M.O. Form 2373

THE DAILY WEATHER REPORT

BRITISH SECTION

1st January to 31st March

1933.

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. Those for most of Europe (excluding Russia) and neighbouring countries refer to 7h. G.M.T., exceptions being:—Bulgaria, Austria, Hungary, Greece, Turkey, Egypt, Sudan, Cyprus, Palestine, Syria (6h. G.M.T.) Azores (8h. G.M.T.). The Greenland observations shown are made at 0h. G.M.T. with the exception of these for Mygbugten, Jonsbu, Storfjord, and Torgilsbu which are for 7h. G.M.T.; while those for North America are made at 1h. G.M.T.

In the case of ships at sea, the hour of observation for vessels east of 40° W. is 6h. G.M.T. while that for vessels west of 40° W. is 0h. G.M.T.

Thus, within each of the two sectors 40° W. to 170° W. and 30° E. to 40° W., the observations are approximately synchronous among themselves though most of those in the western sector refer to an epoch 6 hours earlier than do most of those in the eastern sector.

The observations shown for Russia and Siberia are especially to be noted from this standpoint of time. They are made at 7h. *local time* which implies that the absolute time to which they refer varies over a wide range, viz.; from 5h. G.M.T. in the longitude of Leningrad (35° E.) to 19h. G.M.T. of the *previous day* in longitude 180° E.

The map on the following page shows graphically the hours of observation over the various parts of the weather chart for the Northern Hemisphere.

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 by the use of this table. 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 is issued in the same manner as the International Section. It contains maps, diagrams and tables showing upper air currents, pressures and temperatures over the British Isles and on the Continent of Europe.

THE BEAUFORT SCALE OF WIND FORCE.

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

GALE WARNINGS.

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

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

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

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

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

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

▲ North Cone hoisted: ▼ South Cone hoisted:

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

1937
2

1h. G.M.T.

7h. Local Time.

Oh. G.M.T.

Ships. Oh. G.M.T.

Ships 6h. G.M.T.

Land Stations

6h G.M.T

6h G.M.T

7h. G.M.T.

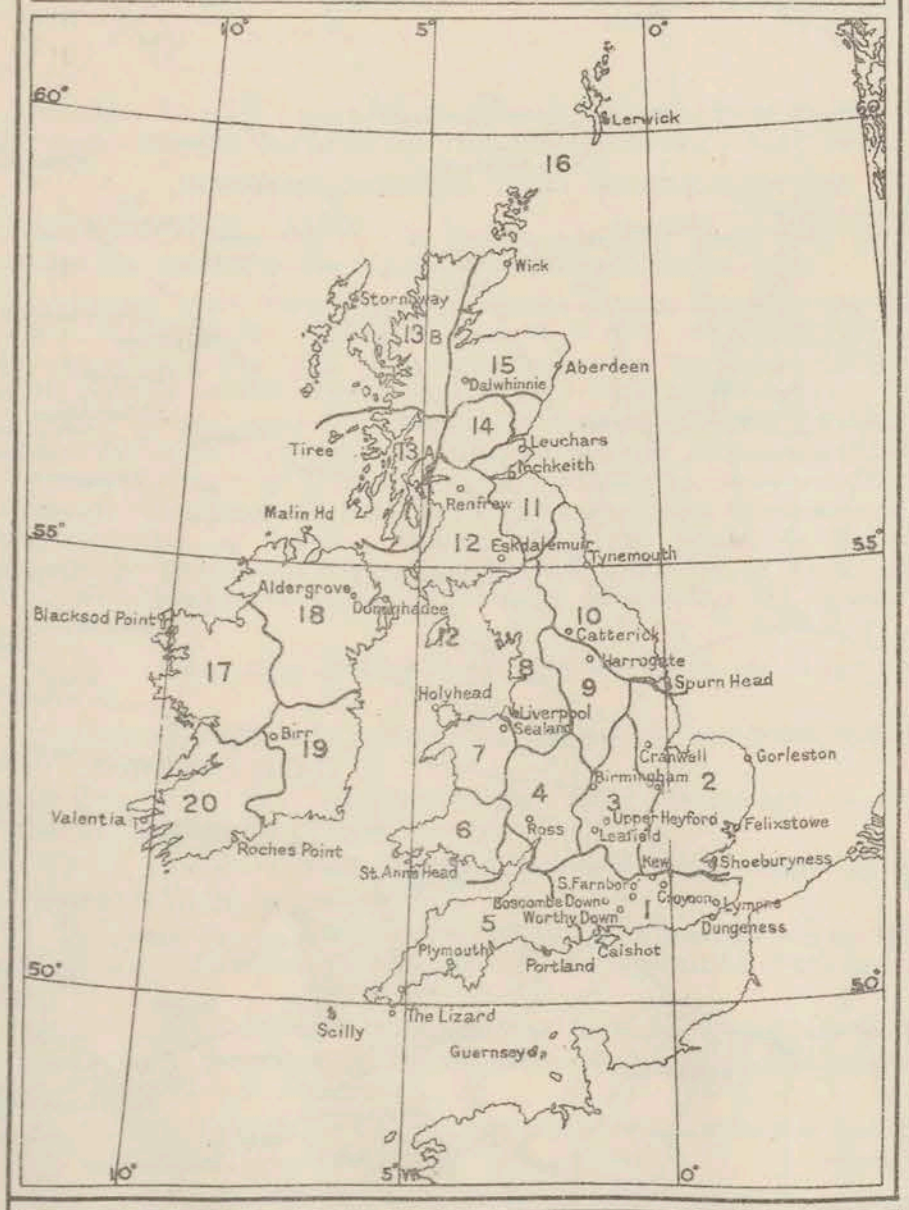
Clarke's Projection Scale 1:4×10⁷ along meridian at 55°N.

Statute Miles 0 1 2 3 4 500

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.
    - Fermanagh.
    - Monaghan.
    - Louth.
    - Armagh.
    - Down.
    - Antrim.
    - Londonderry.
    - Tyrone.
    - Donegal.

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

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

NOTES ON THE INFORMATION CONTAINED IN THE DAILY WEATHER REPORT.

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

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

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.

Renfrew.—As from 1800 hours on 26th February, 1933, the observations for Renfrew have been taken from a new site on an aerodrome called "Abbottsinch," which is less than a mile distant from the former site.

Lerwick.—The telegraphic reporting station at Lerwick, which is under the care of H.M. Coastguard, was moved from Fort Charlotte to the Knab on 16th September, 1932. The exposure for wind at the Knab is considerably superior to that at Fort Charlotte.

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

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

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

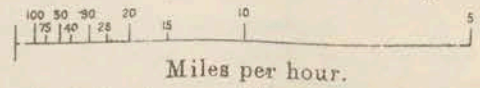
The scale below can be used to determine the theoretical wind as deduced from the pressure distribution on either chart. On the assumption that the path of the air is straight this theoretical wind is called the Geostrophic Wind.

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

GEOSTROPHIC WIND SCALE FOR

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

or 2 mb ,, ,, $1 : 10^7$,,



Miles per hour.

This scale applies under the following conditions:—

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

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

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

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

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

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

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

where x is the vapour pressure in mb.:

F the saturation vapour pressure at the temperature of the dry bulb;

f the saturation vapour pressure at the temperature of the wet bulb;

t the dry bulb temperature; and

t' the wet bulb temperature.

The values printed in columns 7 and 21 always end with the figure 5. By this it should be understood that a value of 95, for example, stands for any one of the values 90 to 100; a value of 85 stands for any one of the values 80 to 89 and so on.

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. The number of feathers on the arrows denotes wind force by Beaufort number.

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

The reports from the London Stations on page 1 and from the Health Resorts on page 2 are not subjected to the same close scrutiny, but if any errors are found these are also 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 3s. 2d. post free.

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

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

Pc.172/2556.Wt.464.D.6004.Gp.908.770 4/33

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

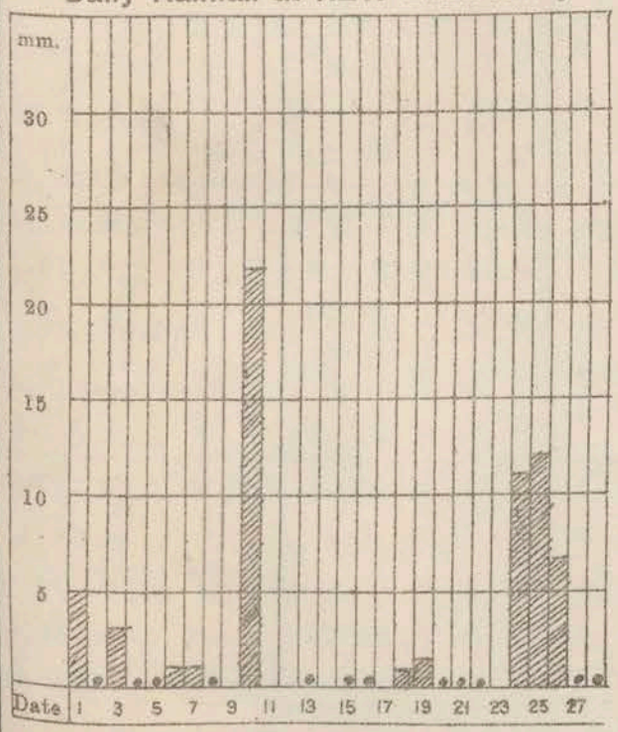
MONTHLY SUPPLEMENT, FEBRUARY 1933. No 194

Mild at first; cold with considerable snowfall later; sunnier than usual.

The outstanding event of the month was the Blizzard which swept England and Wales on 24th to 26th. Sunshine during the month was mainly in excess of the normal. At Ross there has been no sunnier February since records began in 1915. The month was remarkably free from fog. Rainfall during the month was in excess of the normal.

From 1st to 9th depressions passing to the northwest of the country, together with associated secondaries, caused mainly mild, unsettled weather, with occasional rain in most districts and gales locally in the North and West. Maximum temperatures rose 5 - 10°F. above normal. A mass of polar air reached Scotland on 9th and spread to Southern England by the evening of 10th. Snow and sleet showers occurred in the North, while heavy rain and hail, accompanied by thunder occurred at many places in Wales and Southern England. A marked fall of temperature took place generally on 10th as an extension to an Atlantic anticyclone spread across the country, causing North to Northeast winds. Bright periods occurred 10th to 12th, particularly in the South. From 13th to 22nd the anticyclone remained off West Ireland, while secondary disturbances in the cold Northerly drift moved south across the country. Snow, sleet or hail showers occurred, especially in the North and East. Good sunshine values were recorded, particularly in the South and West, amounts in excess of 9 hours being reported on 22nd and 23rd. A depression, which formed over N. Ireland on 23rd., moved to a position off S. Ireland and deepened considerably. Strong to gale East to South winds and considerable snowfalls were experienced on 24th to 26th. Harrogate had 28 inches of snow lying on 26th. Serious interruption of rail, road and telephonic communications was experienced in N. England, W. Midlands and Wales. 12 feet drifts were reported from the Yorkshire Wolds. Dublin was entirely cut off from the rest of Ireland. Subsequently secondaries from the South brought milder air, with considerable rainfall in S. England, and strong to gale Southeast winds on 25th and 26th, which reached Scotland by 27th. From 7h. 24th - 7h. 27th Winchester recorded the equivalent of 86 mm. of rain and Amesbury 84 mm. On 27th and 28th the Southerly winds continued, with occasional rain, but also bright periods.

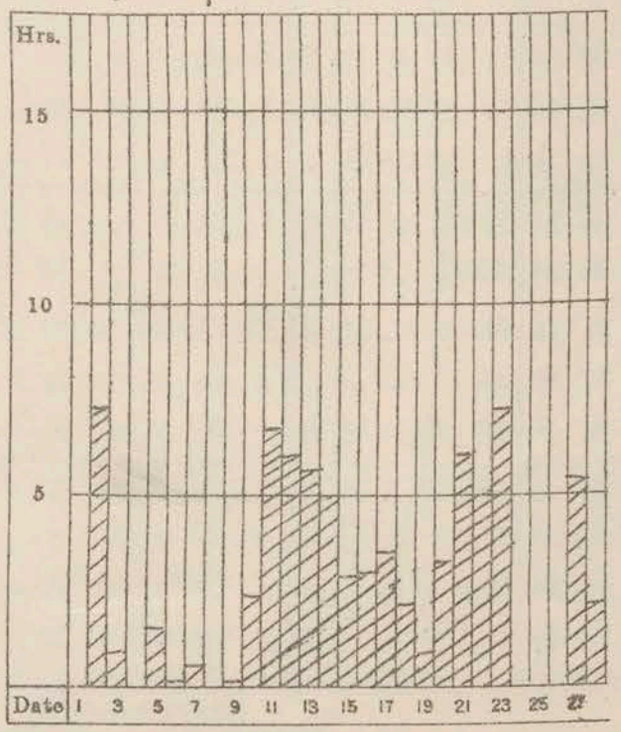
Daily Rainfall at KEW Observatory.



*=Less than 0·5 mm.

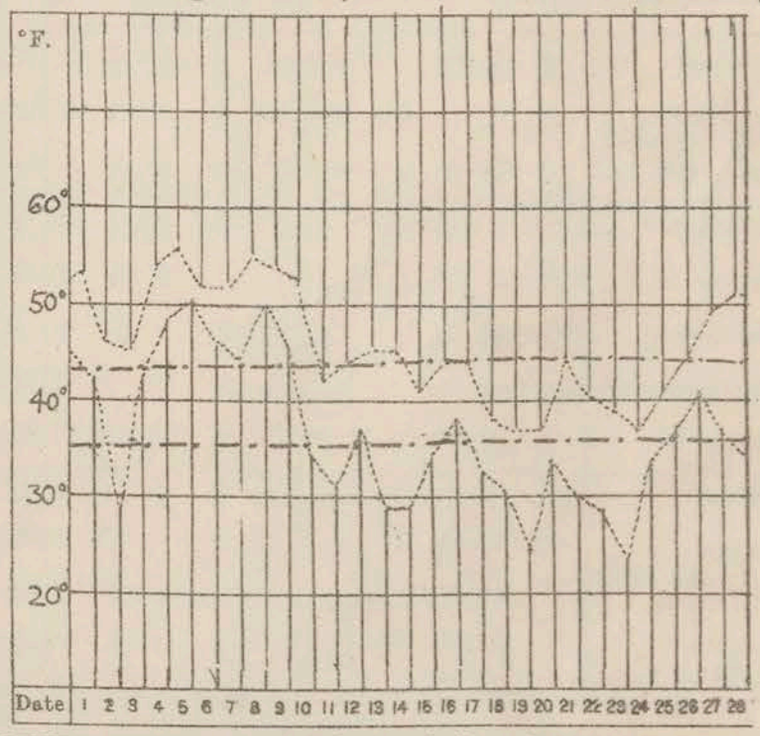
RAINFALL. Total for Month. 67 mm.

Daily Sunshine at KEW Observatory.



SUNSHINE. Total for Month. 76 hrs.

Daily Range of Temperature at KEW Observatory.



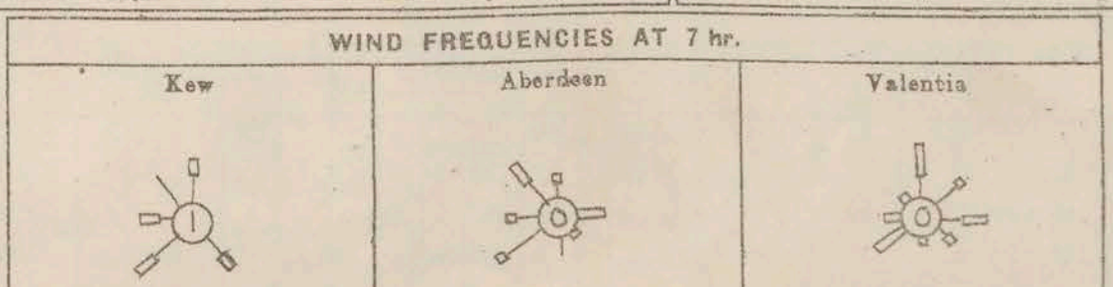
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

Stations.	PRESSURE Mean	PRESSURE Difference from average	TEMPERATURE Mean	TEMPERATURE Difference from average
	mb.	mb.	°F.	°F.
Kew	1015·6	− 0·4	41·3	+ 1·1
Aberdeen	1011·9	+ 1·3	38·7	+ 0·1
Valentia	1015·3	+ 1·9	42·3	− 2·2

* Pressure — mean for the 24 hours.
Temperature — mean of Max. and Min.

WIND FREQUENCIES AT 7 hr.



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

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

	miles.
Kew ...	7,509
Aberdeen ...	8,644
Lerwick ...	13,337
Valentia ..	8,285

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

	Stations.	†TEMPERATURE. Number of daily readings within fixed limits. Maximum. 32° or below	33° – 41°	42° – 50°	51° – 59°	Normal Max. °F.	Minimum. 23° or below	24° – 32°	33° – 41°	42° – 50°	51° – 59°	Normal Min. °F.	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.	LOW CLOUD. Number of observations within fixed limits. 7 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	13 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	18 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	FOG, MIST and GOOD VISIBILITY. Number of observations within fixed limits. 7 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	13 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.
1	London ... (Kew Obsy).	0	8	11	9	45·0	0	9	10	9	0	35·1	56	5	37	19, 20, 24	50	6, 9	24	24	15	1	25	0	0	24	0	2	21	0	0	0	1	0	9	0	0	0	0	10
	Croydon ...	0	8	11	9	*	0	7	12	8	1	*	56	5	36	24	51	9	24	20	11	7	17	0	4	19	1	3	13	0	0	0	0	2	6	0	0	1	5	2
	Calshot** ... (Southampton)	0	7	16	5	*	0	12	7	9	0	*	54	8	38	19	47	5, 9	27	20	15	10	14	0	8	19	0	7	17	0	0	0	2	1	7	0	0	0	2	9
	Lympne ...	0	10	14	4	*	0	12	9	7	0	*	52	5	35	22, 24	48	5, 6	24	24	13	13	11	1	10	15	0	11	15	2	0	1	5	1	6	0	0	3	0	17
2	Shoeburyness ...	0	6	13	9	44·8	1	12	9	6	0	34·4	55	5, 8	37	21, 24	49	9	23	24	15	4	16	4	1	26	0	3	20	1	0	0	0	0	18	0	0	0	0	20
	Gorleston ..	0	11	11	6	42·9	0	11	12	5	0	34·0	57	5	37	19, 23, 24	50	5	24	24	11	1	24	0	0	26	0	0	0	25	0	0	0	0	9	0	0	0	0	4
	Cranwell ...	0	10	12	6	43·7	2	13	9	4	0	32·8	56	4, 5, 8	33	24	49	5	21	24	17	8	12	2	6	16	1	7	18	1	0	1	0	0	13	0	0	0	0	11
3	Birmingham ... (Edgbaston)	1	9	13	5	43·7	0	12	10	6	0	34·1	56	8	31	24	49	5, 6	24	20	12	6	12	0	4	20	0	5	17	0	0	0	0	3	9	0	0	2	3	7
4	Ross-on-Wye ...	0	10	10	8	46·0	2	12	5	8	1	33·8	55	5, 8, 9	35	24	51	9	22	16	15	2	20	1	1	26	1	0	27	0	0	0	0	3	16	0	0	1	0	23
5	The Lizard ...	0	4	15	9	*	0	4	13	11	0	*	52	4, 5, 7, 10	39	18	49	4	29	20	*	2	25	1	2	23	2	2	24	2	0	2	0	0	22	0	1	1	0	22
7	Holyhead ...	0	6	18	4	45·4	0	1	16	11	0	38·0	53	5	35	24	48	5	31	20	5	8	19	0	4	23	1	3	25	0	0	0	2	0	18	0	1	0	3	18
8	Liverpool ... (Bidston)	0	12	10	6	44·2	0	6	15	7	0	35·6	55	5	33	24	50	5	29	24	8	2	24	0	6	22	0	6	22	0	0	0	0	0	23	0	0	1	2	21
10	Tynemouth ...	0	8	14	6	44·5	0	6	16	5	1	33·7	57	4, 8, 9	36	23	51	5	27	23	10	0	26	0	0	28	0	0	28	0	0	0	0	0	20	0	0	0	1	15
11	Inchkeith** ...	0	11	13	4	*	0	7	15	6	0	*	53	8	36	24	48	5, 9	29	18	10	1	26	0	3	24	1	3	25	0	0	1	0	1	25	0	0	0	0	23
12	Renfrew	0	7	18	3	*	1	12	9	6	0	*	53	6, 8	36	24	48	5, 9	23	20	17	6	21	0	4	23	0	2	23	0	0	0	0	0	11	0	0	1	0	14
	Eskdalemuir ...	1	14	13	0	*	3	15	7	3	0	*	50	4, 8	32	24	45	9	21	20	18	10	17	0	12	16	0	8	19	0	0	0	0	3	13	0	0	0	4	15
13B	††Stornoway C.G.	0	10	17	1	44·1	0	7	17	4	0	34·2	54	8	35	23	46	7	27	24	*	4	24	0	2	26	0	2	26	0	0	0	0	1	24	0	0	0	0	25
15	Aberdeen ...	0	14	10	4	43·4	0	10	15	3	0	33·1	54	9	33	23	49	9	26	24	15	6	21	0	4	22	0	6	20	0	0	0	0	1	18	0	0	1	0	19
18	Aldergrove ...	0	7	18	3	*	0	12	9	7	0	*	53	8	34	23	49	5	26	24	16	12	15	0	12	15	0	9	19	0	0	1	1	2	15	0	0	0	0	23
19	Dublin ... (Phœnix Park)	0	6	14	8	46·7	0	16	6	5	1	34·4	57	8	33	24	51	4	24	3, 20, 23, 24	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birr Castle ...	1	4	16	7	46·7	0	13	8	5	2	34·4	56	8	32	24	52	4	24	12, 20	14	0	20	0	0	26	0	0	24	0	0	0	0	0	26	0	1	0	0	0
20	Valentia ... (Cahirciveen)	0	1	18	9	48·8	0	5	13	6	4	39·7	57	8	40	25	52	9	28	12	6	2	26	0	6	20	1	7	21	0	0	0	0	0	26	0	0	0	1	24

UPPER AIR TEMPERATURE.

Pressure. mb.	Normal Height. Feet.	Normal Temperature. °F.	Duxford. Mean. °F.	No. of Reports.	S. Farnborough. Mean. °F.	No. of Reports.	Felixstowe Mean. °F.	No. of Reports.
950	1770	33	36	36	37	15	42	7
850	4660	26	27	37	26	16	31	7
750	7870	17	19	37	19	15	21	7
650	11,460	7	10	36	8	13	11	4
550	15,580	−7	−3	33	−7	11	−3	3

UPPER WINDS.

No. of records of Velocity (m.p.h.) within fixed limits.

Station.	Lympne.							Plymouth (Mt. Batten).							Holyhead.							Renfrew.							Station.
	No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75		No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75		No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75		No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75		Height. Feet.
		miles per hour.							miles per hour.							miles per hour.							miles per hour.						
Height. Feet.																													
2,000	46	7	26	11	2	0		47	3	26	17	1	0		49	3	22	22	2	0		33	6	17	7	3	0		2,000
5,000	20	2	10	7	1	0		16	0	6	10	0	0		22	1	11	9	1	0		10	0	6	4	0	0		5,000
10,000	3	0	1	2	0	0		1	0	1	0	0	0		1	0	0	0	1	0		2	0	1	1	0	0		10,000
15,000	0	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0		15,000

† The readings 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 normal values given above are based on extremes taken over the 24 hours.

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

G. C. Simpson, C.B., D.Sc., F.R.S., Director.

SUNSHINE, RAINFALL, AND HUMIDITY — FEBRUARY, 1933

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 Month. Hours.	Difference from average. Hours.	Total for past 12 months. 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).	6	11	7	4	0	7·2	23	76	+16	1290	−185	1880	91	'22	27	{'81 '17	14	5	5	3	1	0	22	10	614	+8	67	+28	1871	105	'79	2	'95	1	8
	Croydon ...	8	12	6	2	0	6·7	2	59	*	1322	*	1922	103	{'22 '28	37	'24	13	7	3	5	0	0	14	25	633	−46	67	+18	1921	114	'25	4	'21	1	8
	Calshot** ... (Southampton)	9	8	5	5	1	9·7	23	87	*	1459	*	1881	123	'91	37	'97	16	4	3	3	2	0	21	25	831	+185	86	+40	1871	144	'15	1	{'91 '32	0	6
	Lympne ...	7	7	10	4	0	7·2	14	83	*	1592	*	1921	124	'28	46	'26	10	10	5	3	0	0	11	1	730	+6	45	−5	1920	101	'27	10	'32	1	9
2	Shoeburyness ...	5	8	9	6	0	7·2	13	94	*	1603	*	1919	165	'20	49	'24	17	6	5	0	0	0	4	21	502	+22	17	−13	1920	69	'26	6	'29	0	9
	Gorleston ...	6	10	7	5	0	7·5	2	77	−4	1310	−395	1908	108	'14	41	'31	7	9	11	1	0	0	6	1	553	−69	43	+5	1871	87	'16	4	'91	0	10
	Cranwell ...	6	7	8	7	0	7·8	17	92	+14	1277	−271	1921	98	'22	46	'29	†13	8	4	1	0	0	*		*	*	†25	*	1917	89	'23	9	'21	0	14
3	Birmingham ... (Edgbaston)	7	9	7	5	0	8·0	23	82	+23	1177	−100	1897	82	'22	8	'17	14	3	5	3	3	0	21	24	865	+191	99	+56	1887	149	'23	2	'91	0	8
4	Ross-on-Wye ...	6	8	8	6	0	9·0	12	95	+24	1415	−71	1915	90	'28	40	'26	15	3	6	2	0	2	31	26	833	+115	90	+39	1818	174	'33	0(03)	'91	0	5
5	Falmouth ... (Observatory)	5	10	6	7	0	8·5	16	86	+3	1565	−194	1881	127	'69	43	'86	9	5	9	4	0	1	27	1	1182	+75	92	−2	1871	229	'23	1 (0·6)	'32	2	4
7	Holyhead ...	5	10	6	6	0	8·7	11	83	+5	1528	−78	1914	108	'30	36	'18	9	6	10	3	0	0	11	24	863	−25	52	−10	1871	152	'84	5	'32	0	6
8	Liverpool ... (Bidston)	8	7	7	6	0	8·9	23	89	+21	1295	−161	1908	106	'10	41	{'26 '30	14	3	7	3	1	0	20	26	728	+19	65	+22	1867	104	'25	1 (0·8)	'32	0	5
10	Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	12	5	8	2	1	0	17	26	635	+14	56	+21	1915	79	'23	19	'20	1	9
11	Inchkeith** ...	7	9	6	6	0	8·4	15	84	*	1426	*	1923	89	'32	34	'23	15	6	6	1	0	0	6	4	599	+45	31	−2	1870	135	'94	3	{'91 '32	0	5
12	Renfrew ...	8	7	6	7	0	8·5	18	83	*	1119	*	1921	66	'31	22	'23	14	2	4	6	2	0	18	4	1115	+190	87	+9	1921	115	'28	1 (0·8)	'32	0	7
	Eskdalemuir ...	11	7	3	7	0	8·5	{13 18	76	+18	1125	−90	1910	106	'32	23	'18	11	4	4	5	3	1	36	4	1873	+444	146	+20	1910	241	'15	5	'32	0	12
13B	††Stornoway C.G.	9	11	5	3	0	7·2	28	58	0	1153	−106	1881	91	'86	23	'03	6	4	13	4	1	0	17	8	1141	−125	87	−26	1870	204	'98	15	'32	3	13
15	Aberdeen ...	7	9	11	1	0	6·5	22	70	−3	1231	−156	1881	121	'98	33	'23	3	8	11	5	1	0	18	26	897	+149	94	+42	1871	130	'23	6	'91	0	15
18	Aldergrove ...	9	12	3	3	1	9·3	22	55	*	1291	*	1926	84	'32	37	'29	6	8	11	2	1	0	20	24	887	*	77	*	1926	84	'28	3	'32	0	12
19	Dublin ... (Phœnix Park)	5	15	2	6	0	9·0	19	74	+1	1329	−168	1881	109	'10	39	'27	10	7	6	3	1	1	46	24	825	+120	100	+54	1877	108	'25	2	'91	1	3
	Birr Castle ...	6	12	7	3	0	8·4	18	66	−1	1280	−63	1881	102	'06	34	'29	9	6	8	5	0	0	9	23	757	−72	59	+1	1872	133	'25	5	'91	0	5
20	Valentia ... (Cahirciveen)	5	9	9	5	0	8·4	11	86	+17	1263	−182	1880	112	'30	29	'26	9	7	9	3	0	0	10	6	1246	−168	52	−80	1870	279	'14	11	'32	1	2

MINIMUM SURFACE HUMIDITY.

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

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

STATE OF GROUND AT 18h.

No. of Days each type was recorded.

Stations.	0	1	2	3	4	5	6	7	8	9
London (Kew)	1	26	0	0	0	0	0	1	0	0
Ross-on-Wye	0	25	0	1	0	0	1	1	0	0
Renfrew ...	1	20	2	0	5	0	0	0	0	0
Eskdalemuir	0	16	0	0	6	0	5	0	1	0
Aberdeen ...	0	17	0	1	0	0	3	4	3	0
Valentia ...	7	20	0	0	0	0	1	0	0	0

CODE for State of Ground.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
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 the short period returns from Inchkeith are supplemented by those from Leith, and extremes of rainfall and sunshine from Calshot by those from Southampton.

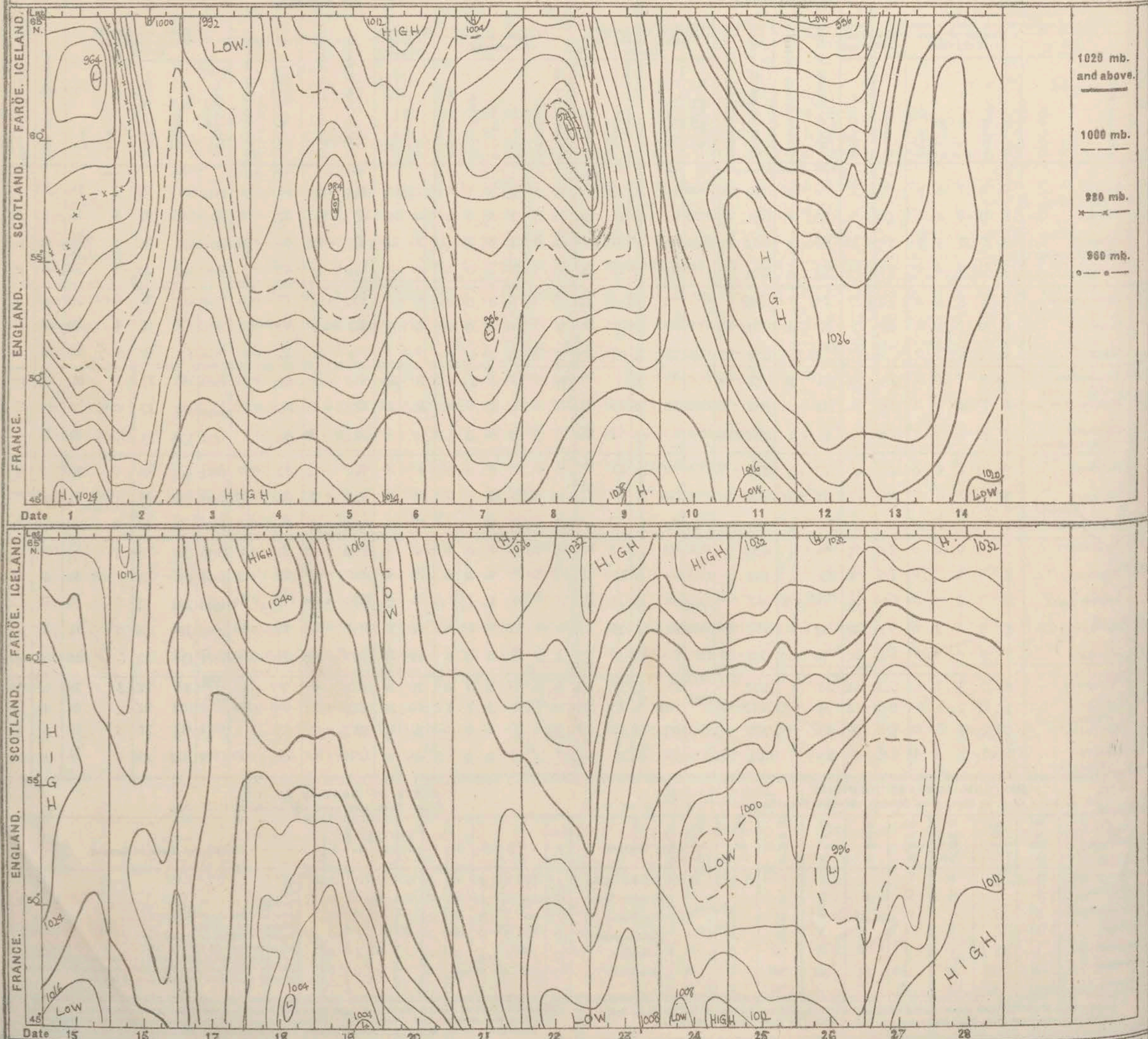
‡ Based in part on reports made by telegraph in which the day and night measurements are rounded off to the nearest whole millimetre. Small discrepancies may arise between these totals and those given in the Monthly Weather Report which are based on readings taken to 0·1 mm.

†† *Observations Coast Guard began Sept., 1930. Normals and extremes for old Station.*

† Readings for 24th & 25th not available.

PRESSURE: ICELAND TO GULF OF LIONS FEBRUARY, 1933.

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.

Pe 60/2547. Wt 48. 9. 8003. Sp. 508. 380. 3/33

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 1st February, 1933.

No. 26,004.

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

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)	°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)	1014·8	+6	SW	4	c	45	85	6	5	7	-	2·3	9	2500
	Croydon	1015·0	+4	WSW	4	c	48	75	7	5	5	-	0	7-8	-
	S. Farnborough	1014·6	-2	SW	4	c	49	75	7	5	8	9	4-6	9	2500
	Winchester	1014·6	-4	SSW	4	c	49	75	7	8	5	-	2·3	9	2500
	Boscombe Down	1014·4	-2	SW	4	c	47	85	8	5	5	-	4-6	9	1500
	Calshot, S'thmtn	1015·4	+2	SSW	4	bc	49	85	7	6	3	9	1	4-6	2500
	Dungeness	*	*	SW	3	c	*	*	6	*	*	*	4-6	7-8	1500
	Lympne	1015·5	0	SW	3	c	45	85	6	5	7	-	2·3	9	1500
2	Shoeburyness	1014·5	+8	WSW	5	c	47	85	6	-	7	-	0	9+	-
	Felixstowe	1013·7	+2	SSW	2	c	41	85	5	-	2	8	0	10	-
	Gorleston	1012·0	+4	SW'S	3	c	41	95	6	-	4	-	4-6	7-8	2500
	Cranwell	1010·3	-4	SW	4	c	42	85	6	5	2	6	4-6	9+	4000
3	Birmingham	1011·4	+2	SSW	3	c	44	85	5	6	3	-	4-6	7-8	1500
	Upper Heyford	1013·6	-2	SW	2	c	42	95	5	6	7	-	7-8	9+	1500
4	Ross-on-Wye	1011·6	+4	SW'W	4	cd	46	85	6	6	1	-	4-6	10	1500
5	Portland Bill	1015·4	+6	WSW	5	c	48	85	8	4	8	-	4-6	7-8	2500
	Plymouth	1015·0	-4	SSW	5	c	49	85	7	9	9+	-	9	9+	1500
	The Lizard	1015·2	+4	WSW	5	c	49	85	7	9+	9+	-	9+	9+	4000
	Scilly (St. Mary's)	1013·8	-12	SW'W	5	c	50	85	7	8	7	-	1	9+	2500
	Guernsey	1015·5	+6	SW	4	c/d	48	85	6	8	2	-	7-8	9	2500
6	Pembroke	1010·7	0	WSW	4	q	48	85	7	5	2	-	7-8	9	2500
7	Holyhead	1007·3	-10	SSW	5	c	48	85	7	5	2	7	7-8	9+	800
	Chester (Sealand)	1008·0	-6	SW'S	3	c	48	75	7	5	5	8	4-6	9+	2500
8	L'pool (Bidston)	1007·1	-6	WSW	5	c	46	75	8	5	1	6	4-6	9+	2500
9	Harrogate	1007·9	+6	SW	3	c	42	85	5	6	2	7	2·3	9+	2500
10	Spurn Head	1008·3	+2	W	5	c	42	85	5	5	2	-	4-6	9+	800
	Catterick	1006·0	+2	SSW	3	c	44	75	8	5	7	-	4-6	10	1500
	Tynemouth	1004·0	+4	SW	3	c	43	85	6	6	-	-	10	10	1500
11	Inchkeith	999·5	-8	SSW	5	c	43	75	7	5	7	9	2·3	7-8	2500
	Leuchars	999·5	-10	SW	4	c	41	85	7	5	5	2	4-6	7-8	1500
12	Renfrew	999·2	-10	SW	5	cr.	42	95	6	6	-	-	1	10	1500
	Eskdalemuir	1001·8	-8	SW	5	c	40	85	6	[illegible]	-	-	10	10	1500
13A	Tiree	991·5	-46	S'E	7	r.	44	95	6	6	2	-	3+	10	800
13B	Stornoway	987·4	-38	S	5	rr	43	95	7	9	2	-	7-8	10	1500
15	Dalwhinnie	995·9	-28	SW	4	cr.	36	95	7	4	-	-	10	10	800
	Aberdeen	997·4	-2	S	3	c	40	85	7	8	7	8	2-3	7-8	1500
	Wick	992·5	+2	SW	4	c	40	85	8	5	1	-	4-6	9	2500
16	Lerwick	991·0	+12	WSW	5	c	39	85	7	8	7	-	4-6	7-8	1500
17	Blacksod Point	995·4	-26	SW	7	cR	48	95	7	6	-	-	10	10	150
18	Malin Head	993·8	-46	SSW	6	c	47	95	7	4	9	1	2·3	9+	800
	Aldergrove	1000·8	-16	S'W	5	c	44	85	8	5	7	-	2·3	9+	1500
	Donaghadee	1001·9	-28	WSW	2	c	45	75	7	5	-	-	9	9	1500
19	Birr Castle	1003·1	-20	SW	3	cr.	47	85	8	6	1	-	4-6	10	2500
20	Valentia Obsy.	1003·5	-30	S	6	c	50	85	8	5	2	-	7-8	10	1500
	Roches Point	1007·5	-8	SW	5	c	48	85	8	3	-	-	7-8	7-8	2500

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

Dist.	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)	1013·6	-2	SSW	4	c	45	95	6	-	7	-	0	9+	-	1	*
	Croydon	1014·2	-2	SW	4	c	46	85	6	5	7	-	4-6	9+	1500	1	*
	S. Farnborough	1013·8	-2	SW'S	5	c	46	85	7	5	7	-	4-6	7-8	1500	1	*
	Winchester	1014·3	0	S'W	4	c	46	95	6	5	-	-	9+	9+	1500	1	*
	Boscombe Down	1013·5	-2	SSW	4	c	44	95	6	5	-	-	9+	9+	1500	1	*
	Calshot, S'thmtn	1014·6	-2	SSW	5	c	45	95	7	5	7	-	4-6	7-8	1500	0	2
	Dungeness	*	*	SW	4	a	*	*	5	5	2	*	4-6	9+	1500	*	3
	Lympne	1015·9	+2	SW	4	c/pr	43	95	5	5	-	*	10	10	220	1	*
2	Shoeburyness	1014·0	0	WSW	4	c	45	95	6	5	1	-	4-6	9	4000	1	*
	Felixstowe	1013·6	-2	S'W	4	c	43	85	5	-	7	-	0	10	-	1	2
	Gorleston	1012·3	-2	S'W	3	c	43	85	6	-	-	-	0	10	-	0	2
	Cranwell	1008·3	-10	S'W	4	c	42	95	6	5	7	6	4-6	10	4000	1	*
3	Birmingham	1009·1	-8	SSW	4	c	44	95	6	6	7	-	4-6	7-8	1500	1	*
	Upper Heyford	1011·7	-6	SSW	3	c	42	95	6	6	-	-	1	7-8	4000	1	*
4	Ross-on-Wye	1009·9	-8	SW	5	q	45	85	7	6	-	-	10	10	2500	1	*
5	Portland Bill	1013·8	-10	SW	5	c	48	95	8	4	-	-	10	10	1500	1	4
	Plymouth	1012·9	-12	SSW	7	c	49	85	7	5	7	-	7-8	10	1500	1	4
	The Lizard	1012·6	-4	SW	5	c	49	85	7	6	-	-	10	10	4000	1	4
	Scilly (St. Mary's)	1011·5	-8	SW'W	6	c	50	95	5	2	7	-	1	10	2500	1	4
	Guernsey	1017·7	0	SW	3	c	48	85	5	8	2	-	7-8	10	2500	0	3
6	Pembroke	1006·4	-16	SW	5	q	48	85	6	5	-	-	10	10	1500	0	3
7	Holyhead	1002·8	-26	SSW	6	cr.	48	85	7	6	2	-	2·3	10	1500	1	3
	Chester (Sealand)	1005·6	-10	SW'S	4	c	45	65	7	5	1	-	4-6	7-8	1500	1	*
8	L'pool (Bidston)	1003·8	-16	SW'W	5	q	47	75	7	6	2	-	4-6	10	1500	0	*
9	Harrogate	1004·0	-30	SSW	4	cr.	44	85	6	6	-	-	9+	9+	2500	1	*
10	Spurn Head	1006·1	-6	SW	6	c	42	95	6	5	2	-	4-6	9	1500	0	3
	Catterick	1002·4	-24	S'W	3	cr.	43	85	5	6	-	-	10	10	1500	1	*
	Tynemouth	1001·1	-28	SW	4	c/r	44	85	6	6	-	-	10	10	1500	1	2
11	Inchkeith	992·2	-46	SSW	5	cr.	45	75	8	6	1	-	4-6	10	2500	0	3
	Leuchars	993·1	-40	SSW	6	cr.	43	85	7	6	1	-	4-6	10	1500	1	*
12	Renfrew	991·2	-54	SSW	6	rr	45	85	6	6	-	-	10	10	800	1	*
	Eskdalemuir	995·9	-38	SW'S	7	rr	41	95	6	6	-	-	10	10	450	1	*
13A	Tiree	990·6	-70	S'E	8	r.	46	95	6	6	2	-	9+	10	450	1	5
13B	Stornoway	976·4	-72	S	7	rr	45	95	6	5	2	-	7-8	10	800	2	4
15	Dalwhinnie	987·7	-52	SW	5	RR	37	95	6	4	-	-	10	10	800	3	*
	Aberdeen	990·3	-46	S	6	cr.	43	85	6	6	7	-	7-8	9+	1500	1	2
	Wick	983·5	-46	S	6	c	43	85	8	8	1	-	4-6	7-8	1500	1	4
16	Lerwick	983·0	-40	S	8	RR	39	95	6	6	-	-	10	10	800	1	*
17	Blacksod Point	988·3	-24	SW	9	RR	52	95	7	6	-	-	10	10	150	2	8
18	Malin Head	984·8	-50	SSW	6	cr	45	95	7	7	1	-	9	10	800	1	2
	Aldergrove	993·3	-42	S	7	r.	46	85	7	6	2	-	7-8	10	1500	1	*
	Donaghadee	993·8	-40	WSW	3	cr.	46	85	7	6	-	-	9	9	800	1	2
19	Birr Castle	996·5	-34	SW	5	cr	49	95	7	6	-	-	10	10	1500	1	*
20	Valentia Obsy.	993·0	-22	S'W	7	r.	50	95	5	6	-	-	10	10	800	1	4
	Roches Point	1002·9	-28	SW	6	cr.	49	85	7	6	-	-	10	10	1500	1	6

PAST 24 HOURS.

Dist.	Stations. (For heights see p. 4.)	Weather. 7h.–13h. 31st (37)	Weather. 13h.–18h. 31st (38)	Weather. 18h. 31st to 1h. 1st (39)	Weather. 1h.–7h. 1st (40)
1	London (Kew)	bccm.	cm.	cq ir.	c cqr.
	Croydon	b×bcc	cbccr.	ir.cm.	cir. r.
	S. Farnborough	×bccbc	cir.c	bccr.c	c cir
	Winchester	cm.c	cr.cm.	c	com.r
	Boscombe Down	c	cm.	coir	orr m.
	Calshot, S'thmtn	cm.bc	bcc	ccid.	c cRm.
	Dungeness	bc	c	&	c
	Lympne	b,cm.	cm.pr.	cvc	cq
2	Shoeburyness	bccm.	cm.	cm.	cq/cq
	Felixstowe	bcm.×c3.	c3.	c3.	cr./cq
	Gorleston	bcc	c	cq	~~cr.~~ cor.q
	Cranwell	b×cm.	cm.	cpgm.	coir.q.
3	Birmingham	cbc	cbcc	coir.	oir.
	Upper Heyford	cm.	cbcm.	bccm.	cor.
4	Ross-on-Wye	bccd	drcq	oq ir	orrq
5	Portland Bill	c	c	co	orr3.
	Plymouth	cm.pr	c	c	cmRRrm.
	The Lizard	cq	cq	cqdc	omrr.
	Scilly (St. Mary's)	bccp	c	cir.	rr ir.
	Guernsey	bccd.	cbccs	co	corr
6	Pembroke	cpr.cqm.	cqm.c	cqpcrr	cqmirm.
7	Holyhead	bc	cm.q	ircqq	rrmq
	Chester (Sealand)	bcc	r.c	cd.	cr.
8	L'pool (Bidston)	bcc	oq	or.	bc Q
9	Harrogate	bcc	cvr.	cq ir.	cq ir.
10	Spurn Head	bccf3	bc	cbc	bcqrc
	Catterick	bcc	c3.cvr.	r.m	oir.
	Tynemouth	co	cvr.q	oir.bcq	bcoq
11	Inchkeith	bcc	cq	cqrro	cqrro
	Leuchars	cqm.c	cpr.q	rr r.	crr.or.
12	Renfrew	cm.r.	cr.rrq	om.rrq	om.rrq
	Eskdalemuir	c	cor	orr	orr
13A	Tiree	cprrrr	crRr	r R r	rr
13B	Stornoway	crr	crrm.	cprm.c	cpr
15	Dalwhinnie	cr	rr	*	rr
	Aberdeen	bcxr3.	bccrq	cr.m.	cr.
	Wick	bc	cprc	orrc	cir.
16	Lerwick	crsrcphr	corRrm	orrm.c	c
17	Blacksod Point	crq	Rq	iRq	Rq
18	Malin Head	bcc	c cR	crr	crr
	Aldergrove	c	cr.r.	cr.r.	orrm.
	Donaghadee	c	cvr.	cir.	cq r.r.
19	Birr Castle	cvr.	cocr	oir	oirq
20	Valentia Obsy.	cprcpc	cr.r.	crr	cir
	Roches Point	bcpoc	cocr.	orr	orodd

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, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—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 1/10 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
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.

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.*

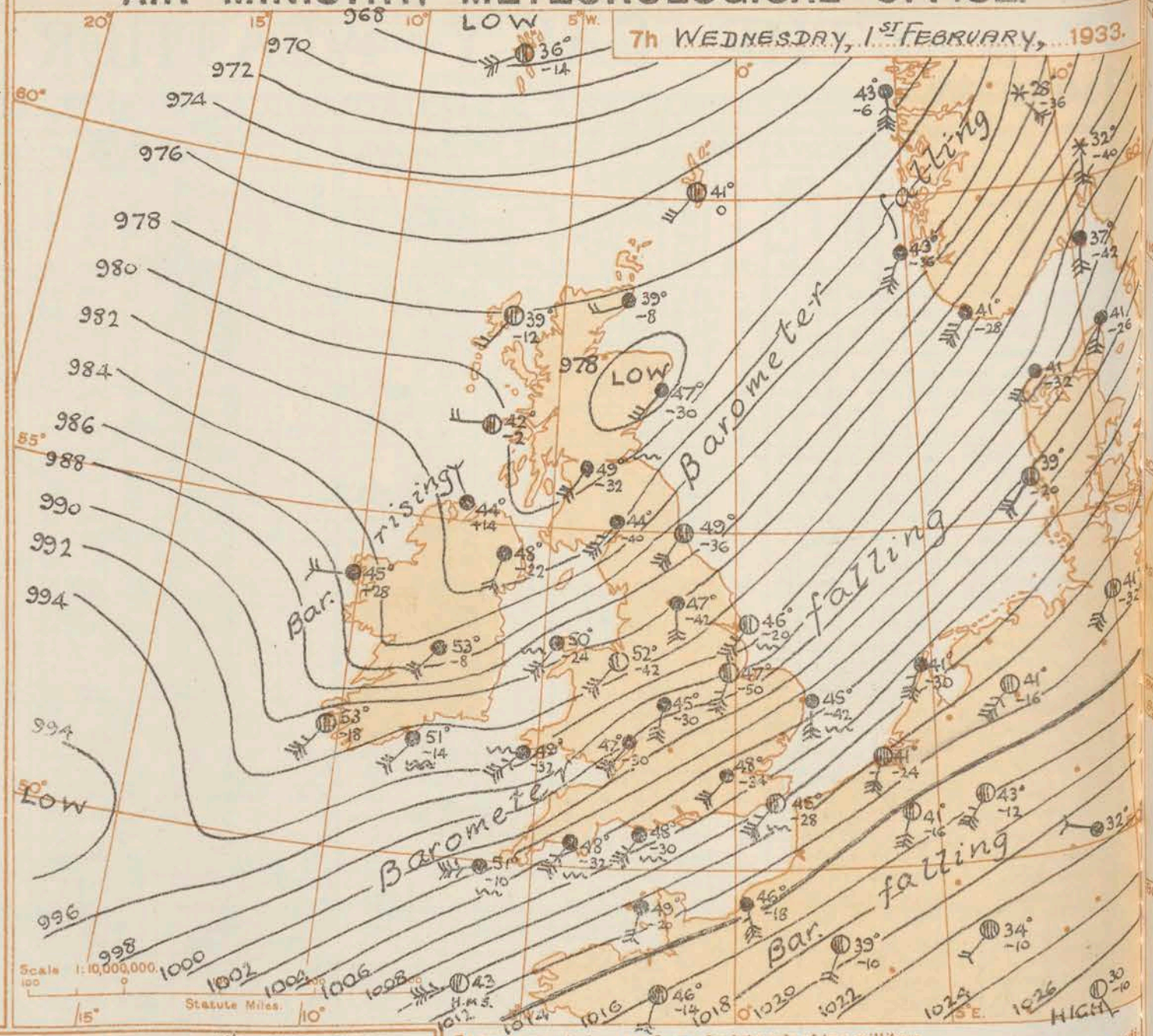
REPORTS from HEALTH RESORTS for 31st JANUARY 1933.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 30th to 9h. 31st	Temperature. Max. 9h.—17h. 31st	Rainfall. Night. 17h. 30th to 9h. 31st	Rainfall. Day. 9h.—17h. 31st	Sunshine. Sunrise to Sunset. 31st
1	Tunbridge W.	bbc	bco	29	48	Tr	—	2.2
	Bournemouth	cbco	o	34	51	—	—	1.6
	Ventnor ...	ocbz	bbccz	37	49	—	—	2.1
	Southsea ...	cb	bbcc	36	50	—	—	1.4
	Bognor Regis	bc	rabc	34	45	—	Tr	1.7
	Littlehampton	bc	bcc	31	8 46	—	—	2.0
	Worthing ...	cop	cbcc	34	48	Tr	Tr	2.0
	Brighton ...	bbc	bccad	35	46	—	Tr	3.1
	Eastbourne†	c	cbco	36	49	—	—	2.0
	Hastings† ...	cbcc	coco	33	47	0.1	—	1.4
	Folkestone ...	xbcm	bcco	32	46	0.1	—	1.3
	Dover... ...	bcc	c	34	44	1	—	1.2
	Deal	bc	oc	34	48	0.3	—	1.3
	Ramsgate ...	c	c	34	48	—	—	1.2
	Margate ...	bc	bcc	34	49	0.1	—	1.3
2	Southend ...	cm	cbco	32	45	0.2	—	0.7
	Maldon ...	xmc	co	33	48	—	—	0.0
	Clacton-on-Sea	cbcxc	c	33	43	1	—	0.1
	Dovercourt ...	xbcc	oc	34	44	—	—	0.1
	Lowestoft ...	bcgc	cfe	33	43	1	—	0.2
	Skegness ...	om	om	32	42	Tr	—	0.0
	Mablethorpe	xo	o	33	43	—	—	0.0
	Cleethorpes ...	o	o	34	41	0.1	—	0.0
3	Leamington S.	c	oc	32	46	1	—	0.2
4	Cheltenham†	coc	cpoc	33	47	—	Tr	0.2
5	Bath	cbc	cpbc	32	49	1	0.3	0.9
	Weymouth ...	bc	c	31	52	—	—	2.8
	Jersey ...	rc	cbcc	37	48	3	—	1.7
	Torquay ...	pobcw	bccq	36	52	Tr	—	1.2
	Penzance ...	rcbc	oc	42	51	3	—	0.6
	St. Ives ...	c	c	42	52	1	—	0.6
	Bude	bbcc	c	39	50	1	—	0.9
	Ilfracombe ...	oc	cor	39	51	2	0.3	0.0
6	Aberystwyth	ce	c	35	47	—	—	0.1
7	Llandudno ...	c	crcq	37	49	—	0.6	0.2
	Colwyn Bay...	c	cpcpc	38	49	—	0.3	0.3
	Rhyl	bzbc	cprc	34	49	—	0.2	0.2
8	Wallasey ...	bcc	bcc	35	48	—	—	0.1
	Southport‖ ...	bccoc	bcopo	38	47	—	1	0.2
	Blackpool ...	o	o	33	46	—	—	0.0
	Morecambe ...	c	c	33	46	—	—	0.0
9	Ilkley... ...	bc	bcr	31	8 49	—	Tr	0.3
10	Berwick-on-T.	co	o	32	45	—	—	0.0
11	Dunbar ...	bc	bc	32	46	—	—	1.1
12	Troon... ...	roc	rco	33	47	1	0.3	0.0
	Douglas ...	oidc	cogid	33	47	Tr	0.3	0.5

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h WEDNESDAY, 1ST FEBRUARY, 1933.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◎ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS — ○Clear sky. ◔Sky less than 1/10 clouded. ◑Sky 1/10 to 5/10 clouded. ◕Sky 5/10 to 9/10 clouded. ◍Overcast sky. ●Rain falling. ✳Snow. ✳Sleet. ▲Hail. ≡Fog. ≡Mist. TThunder. ⧖Thunderstorm.
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. Feb. 1933.
1. S.E. England 2. E. England 3. E. Midlands	Wind south or southwest, fresh to gale; dull; intermittent rain or drizzle; mild.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Wind southwest or south, strong or gale, perhaps veering and moderating later; dull or cloudy; rain or drizzle; local hill fog; mild, perhaps less mild later.
8. N.W. England 9. N Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Wind southwest or south, fresh to gale, probably veering and moderating; dull or cloudy; drizzle or rain; mild, colder later.
13. A. W Scotland. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Wind westerly, moderate or fresh, probably increasing and veering later; cloudy, some bright intervals; occasional rain today; sleet, perhaps snow tomorrow; becoming colder.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind westerly. moderate or fresh, probably increasing and veering; cloudy; some bright intervals; occasional rain; moderate or rather low temperature.

As 8 - 12.

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

GENERAL INFERENCE.

From a deep depression north of Scotland a series of disturbances stretches across the British Isles to north of the Azores. Weather will be very unsettled generally, with gales at first in England and Wales. Mild conditions will continue during the period in the Southeast, but colder conditions are likely ultimately to spread from the North.

FURTHER OUTLOOK.

Continuing unsettled; colder conditions spreading from the North.

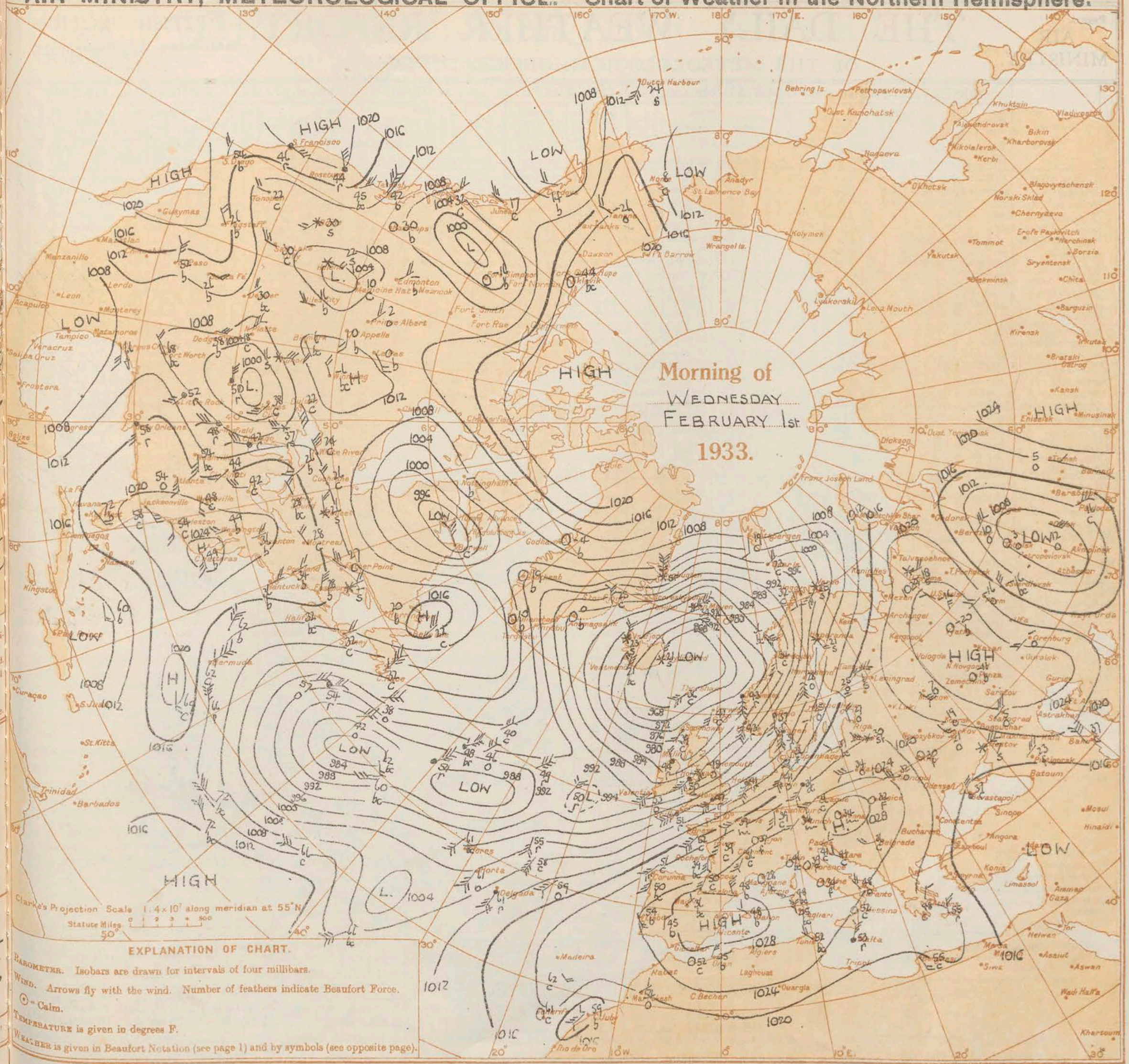
Time of Issue of Gale Warnings.

South Cone. 1455 31st., Districts 6,7,8,12,15, 16,18 and 19. 1900 31st., Districts 1,2,5,10 and 11. Still flying Districts 13,17 and 20.

Forecasts issued at 1015 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 1st February 1933.

No. 26,004

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

Distrct.	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. (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	1010.8	-18	SW	5	c	46	85	7	7	2	-	4-6	9+	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8	1011.3	-10	SSW	6	id$_o$	45	85	7	5	2	-	4-6	10	1500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1013.1	-24	SW's	6	c	44	95	8	5	-	-	10	10	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1009.0	-16	SSW	4	c	43	95	6	-	1	-	0	7-8	-
	Cranwell ...	240	1003.5	-22	SSW	5	o	45	85	6	5	-	-	10	10	800
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1010.3	-24	SW	6	o	48	95	7	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1009.6	-16	SW	7	o	49	95	6	5	-	-	10	10	4000
	Scilly(St.Mary's)	163	1005.6	-30	SW	7	ir$_o$	50	95	7	6	-	-	10	10	2500
	Guernsey ...	175	1013.8	-20	SSW	6	o	48	85	6	5	-	-	10	10	2500
6	Pembroke ...	142	1001.8	-22	SW	8	rr	48	95	6	5	-	-	10	10	1500
7	Holyhead ...	26	996.9	-36	SSW	7	r$_o$r$_o$	48	95	6	6	2	-	9+	10	800
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1001.6	-12	SW	6	bc	44	85	7	-	2	-	o	4-6	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	992.9	-20	SW	6	bc	45	85	8	9	-	-	4-6	4-6	2500
11	Inchkeith ...	190	985.4	-10	SW	7	rr	48	85	8	6	-	-	10	10	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	979.3	+24	SW	2	c	40	95	7	8	6	-	4-6	9	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	978.4	+20	W	4	c	43	95	8	9	2	-	7-8	9	1500
16	Lerwick ...	54	971.4	-28	SWW	9	c/r	45	95	6	8	-	-	10	10	800
17	Blacksod Point	18	984.4	-20	SW	8	iR	51	95	7	6	-	-	10	10	<150
18	Malin Head ...	52	981.5	-20	S'W	5	Cb	48	95	7	8	1	-	9	10	800
	Aldergrove ...	230	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	988.9	-46	SW	6	rr	52	85	6	6	-	-	10	10	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Distrct.	Stations.	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)...	1004.3	-34	SW'S	5	r$_o$	48	85	8	8	2	-	7-8	10	1500	1	*
	Croydon ...	1005.2	-30	SW	6	r$_o$r$_o$	47	85	6	6	2	-	9	10	800	1	*
	S. Farnborough	1004.1	-34	SW	7	ir	47	95	6	6	-	-	10	10	800	1	*
	Winchester ...	1004.2	-30	S'W	6	rr	46	95	6	6	-	-	10	10	220	1	*
	Boscombe Down	1003.0	-30	SW'S	7	rr	47	95	6	6	2	-	9+	10	800	1	*
	Calshot,(S'thmtn)	1005.7	-32	SSW	7	RR	46	95	6	6	2	-	7-8	10	450	1	4
	Dungeness ...	*	*	SW	7	q	*	*	6	8	2	*	4-6	9+	1500	*	4
	Lympne ...	1007.9	-28	SW'S	7	c	45	85	8	5	-	-	10	10	800	1	*
2	Shoeburyness	1005.1	-32	SW	6	c	48	85	7	5	-	-	9+	9+	800	1	*
	Felixstowe ...	1004.5	-38	SSW	6	c	45	85	7	5	2	-	9	10	800	1	4
	Gorleston ...	1002.5	-42	S'W	5	ir$_o$	45	95	6	6	-	-	10	10	1500	1	4
	Cranwell ...	995.4	-50	SSW	7	c	47	85	7	5	2	-	7-8	10	800	1	*
3	Birmingham ...	997.2	-30	SSW	6	ir	45	95	8	6	-	-	10	10	800	1	*
	Upper Heyford	1001.0	-38	SW	7	r$_o$r$_o$	46	95	7	6	-	-	10	10	450	1	*
4	Ross-on-Wye ...	998.0	-30	SW	6	dd	47	95	6	6	-	-	10	10	1500	1	*
5	Portland Bill...	1004.1	-30	SW	7	rr	48	95	6	5	-	-	10	10	1500	1	5
	Plymouth ...	1003.2	-32	S'W	8	rr	48	95	6	6	-	-	10	10	800	1	5
	The Lizard ...	1004.6	-20	SW	8	rr	50	95	6	6	-	-	10	10	1500	1	5
	Scilly(St.Mary's)	1001.6	-10	WSW	8	ir$_o$	51	95	5	6	-	-	10	10	2500	1	5
	Guernsey ...	1010.2	-20	SSW	4	rr	49	95	6	6	-	-	10	10	1500	1	3
6	Pembroke ...	993.8	-32	SW	8	ir$_o$	49	95	4	5	-	-	10	10	800	1	4
7	Holyhead ...	989.9	-24	SW'S	6	dd$_o$	50	95	5	5	-	-	10	10	450	1	4
	Chester (Sealand)	990.2	-42	SW'S	5	bc$_o$d	52	75	7	5	-	1	4-6	4-6	1500	1	*
8	L'pool (Bidston)	988.9	-46	WSW	7	bc	51	85	8	5	-	-	2-3	2-3	2500	1	*
9	Harrogate ...	990.0	-20	SSW	7	ir	47	95	7	6	-	-	9+	9+	2500	1	*
10	Spurn Head ...	992.7	-20	SW	7	c	46	85	7	5	2	-	4-6	10	1500	0	5
	Catterick ...	987.3	-42	S	5	r$_o$r$_o$	47	85	7	6	2	-	4-6	10	1500	1	*
	Tynemouth ...	986.6	-36	SW	6	o	49	75	7	6	-	-	10	10	1500	1	2
11	Inchkeith ...	980.0	-58	SW	7	rr	48	85	8	6	-	-	10	10	1500	1	4
	Leuchars ...	979.6	-36	SW	4	r$_o$r$_o$	47	95	6	5	-	-	10	10	1500	1	*
12	Renfrew ...	979.7	-32	SW	5	rr	49	95	6	6	-	-	10	10	800	2	*
	Eskdalemuir ...	981.7	-40	SW	7	rr	44	95	6	6	-	-	10	10	800	1	*
13A	Tiree	981.2	-2	W'N	4	c/r	42	85	7	6	7	-	7-8	10	1500	1	3
13B	Stornoway ...	978.0	-12	SW	2	c	39	95	7	9	7	-	4-6	9	1500	1	1
15	Dalwhinnie ...	978.1	-18	W	1	RR	42	95	6	3	4	-	7-8	10	1500	1	*
	Aberdeen ...	977.9	-30	SW	3	r$_o$r$_o$	47	85	7	6	-	-	10	10	1500	1	2
	Wick	978.2	-8	WSW	2	ir$_o$	39	95	8	6	2	-	7-8	10	1500	1	3
16	Lerwick ...	977.0	0	SW	3	c	41	85	7	5	7	-	4-6	9	1500	1	*
17	Blacksod Point	985.8	+28	W	3	ir	45	95	7	6	-	-	9+	9+	220	2	3
18	Malin Head ...	980.6	+14	NNW	2	r$_o$r$_o$	44	95	7	8	1	-	9	10	800	2	2
	Aldergrove ...	981.4	-22	SSW	4	rr	48	95	4	6	-	-	10	10	220	1	*
	Donaghadee ...	980.2	-38	SSW	5	r$_o$r$_o$	49	85	7	6	-	-	9+	9+	800	1	3
19	Birr Castle ...	984.4	-8	SW	5	ir	53	95	7	6	-	-	10	10	1500	1	*
20	Valentia Obsy.†	990.5	-18	SW	7	c	53	95	7	5	-	-	10	10	1500	1	-
	Roches Point...	992.3	-14	SW	5	dd	51	96	6	5	-	-	10	10	800	1	6

PAST 24 HOURS.

Distrct.	Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 31st Hrs. (36)
1	London (Kew)...	48	45	42	Tr.	0.5	1.6
	Croydon ...	49	46	43	Tr.	0.2	1.8
	S. Farnborough	49	45	42	Tr.	1	1.7
	Winchester ...	49	45	42	0.2	2	1.3
	Boscombe Down	48	44	42	-	4	1.1
	Calshot,(S'thmtn)	50	44	42	-	1	1.6
	Dungeness ...	47	43	*	-	-	*
	Lympne ...	47	42	40	Tr.	-	1.6
2	Shoeburyness	48	44	42	-	-	0.8
	Felixstowe ...	43	40	38	-	Tr.	0.1
	Gorleston ...	44	41	38	-	0.3	0.3
	Cranwell ...	43	40	37	-	Tr.	0.1
3	Birmingham ...	44	43	41	-	2	0.3
	Upper Heyford	45	41	38	-	0.5	*
4	Ross-on-Wye ...	47	44	41	2	6	0.3
5	Portland Bill...	48	46	*	-	2	*
	Plymouth ...	50	47	47	1	5	0.9
	The Lizard ...	50	48	*	-	3	*
	Scilly(St.Mary's)	51	49	*	0.1	5	1.1
	Guernsey ...	50	47	42	0.2	1	1.6
6	Pembroke ...	49	41	*	Tr.	10	0.0
7	Holyhead ...	48	47	46	Tr.	6	0.1
	Chester (Sealand)	49	48	43	Tr.	0.3	0.1
8	L'pool (Bidston)	47	46	45	-	0.1	0.0
9	Harrogate ...	44	44	40	0.2	1	0.0
10	Spurn Head ...	42	40	*	-	Tr.	0.0
	Catterick ...	44	43	41	0.1	0.4	0.0
	Tynemouth ...	46	45	39	0.2	0.2	*
11	Inchkeith ...	46	45	42	-	1	2.5
	Leuchars ...	44	43	40	0.1	4	1.0
12	Renfrew ...	45	43	42	4	19	0.0
	Eskdalemuir ...	41	40	41	0.4	66	0.0
13A	Tiree	46	42	40	5	9	0.0
13B	Stornoway ...	46	38	*	11	5	0.0
15	Dalwhinnie ...	40	35	32	12	31	0.1
	Aberdeen ...	43	38	Tr.	Tr.	1	0.9
	Wick	43	38	*	Tr.	1	*
16	Lerwick ...	42	38	*	5	4	0.7
17	Blacksod Point	53	41	*	14	17	*
18	Malin Head ...	47	43	*	2	12	0.0
	Aldergrove ...	47	45	43	0.4	11	0.0
	Donaghadee ...	47	38	*	0.3	5	*
19	Birr Castle ...	49	48	46	0.4	6	0.0
20	Valentia Obsy.†	51	49	47	5	14	0.0
	Roches Point...	49	46	*	1	11	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 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.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
										Yesterday.		To-day.	
KEW	18	bccmo	cmo	cq ir$_o$	48	45	42	Tr.	0.5	1.6	*	*	6
CROYDON	217	bx bcc	cbccr$_o$	ir mor$_o$	49	46	43	Tr.	0.2	1.8	*	*	6
GREENWICH (Royal Observatory) ...	149	c	c	cr$_o$cq d	49	45	41	-	2	0.7	77	94	5
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	50	!	41	2		0.4	72	91	*
†REGENTS PK. (Botanic Gardens) ...	168	*	*	*	49	?	43	3		0.3	77	92	*
CAMDEN SQUARE	119			*	46	46	41	-	3	*	*	94	*
KENSINGTON	80	bcmbcc	co	*	49	44	38	-	2	0.4	At 18h.	94	*
HAMPSTEAD OBSERVATORY	450	bcm	o	or	47	45	37	Tr.	3	0.7	80	94	*

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 31st January. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 1st February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1022.3	SW	5	c	43	1018.6	SSW	4	c	39
BRUSSELS	1019.0	SW	4	o	43	1014.2	SSW	6	c	41
BERLIN	1016.4	W	4	c	37	1018.5	SW	5	dd$_o$	36
ZÜRICH	1027.5	SW	3	c	41	1026.5	SE	1	i$_o$	30
ROME	1021.0	NW	2	bc	52	1025.0	-	0	bcF	34

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

SOUTH KENSINGTON. Max.	Time.	Min.	Time.
1.0	9-10h 31st	Nil	0-7h. 1st

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0.3	9h 31st	0.1	0-6h. 1st

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
46	39	Tr.	-
46	41	-	0.1
39	34	0.5	Tr.
45	30	2	-
55	32	Tr.	-

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

COLUMN 36.—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.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 2nd February 1933.

No. 26,005

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

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)...	1001·7	-10	SW	6	c	51	85	8	5	2	-	9+	10	1500
	Croydon ...	1002·6	-12	WSW	6	c/d	52	85	7	6	-	-	9+	9+	450
	S. Farnborough	1002·4	-6	SW'W	6	id.	52	95	7	6	-	-	10	10	800
	Winchester ...	1003·0	-2	SW	6	ir.	51	95	7	6	-	-	10	10	800
	Boscombe Down	1002·4	+2	SW	6	id.	51	95	7	6	2	-	9	10	800
	Calshot, S'thmtn	1004·6	+2	SW	6	id.	49	95	7	6	-	-	10	10	450
	Dungeness ...	*	*	SW	8	rr	*	*	5	6	-	*	10	10	800
	Lympne ...	1004·7	-16	SW	7	df	46	95	2	6	-	-	10	10	150
2	Shoeburyness	1001·5	-20	SW	7	c	51	95	7	5	-	-	9+	9+	1500
	Felixstowe ...	1000·2	-26	SW'S	6	c	48	85	7	5	-	-	10	10	800
	Gorleston ...	997·2	-20	SSW	6	o	50	95	6	7	-	-	10	10	1500
	Cranwell ...	993·0	0	SW'S	6	pr.	54	85	7	5	-	-	10	10	1500
3	Birmingham ...	996·5	+8	WSW	6	c	53	85	8	6	-	-	9+	9+	800
	Upper Heyford	999·6	+4	SW	6	ir.	51	95	7	6	-	-	10	10	450
4	Ross-on-Wye ...	993·6	+6	SW	6	q	53	85	7	6	-	-	9+	9+	2500
5	Portland Bill...	1005·4	+8	SW	7	dd.	49	95	6	5	-	-	10	10	1500
	Plymouth ...	1004·6	+10	SW	8	id.	50	95	6	5	-	-	10	10	450
	The Lizard ...	1006·2	~~+24~~ +20	WSW	7	ir	51	95	6	6	-	-	10	10	2500
	Scilly (St. Mary's)	1003·7	+4	WSW	7	c/d	52	95	6	5	-	-	10	10	1500
	Guernsey ...	1009·6	-4	SW	6	r.r.	50	95	5	6	-	-	10	10	1500
6	Pembroke ...	~~999·7~~ 999·3	+14	SW	7	q	50	95	6	5	-	-	10	10	220
7	Holyhead ...	995·1	+54	W'N	5	c/pr	48	85	8	5	-	-	9+	9+	4000
	Chester (Sealand)	992·5	+26	WSW	~~10~~ 5	c/bc	56	75	8	5	-	-	4-6	4-6	800
8	L'pool (Bidston)	992·3	+32	WSW	5	c	53	85	8	5	-	-	9+	9+	1500
9	Harrogate ...	988·1	+6	WSW	7	c/r	51	95	8	3	-	-	9+	9+	2500
10	Spurn Head ...	989·2	-6	W'S	7	bc	51	95	8	6	2	-	4-6	10	800
	Catterick ...	987·0	+22	WSW	5	bc	53	85	8	6	7	-	4-6	4-6	800
	Tynemouth ...	986·3	-34	W	4	c	53	75	7	6	-	-	7-8	7-8	1500
11	Inchkeith ...	984·6	+42	SW	6	bc	45	75	8	8	-	-	4-6	4-6	4000
	Leuchars ...	984·0	+50	W	5	bc/p	47	65	9	8	4	8	2-3	2-3	2500
12	Renfrew ...	987·4	+54	WSW	4	pr.	44	75	7	8	-	-	9	9	2500
	Eskdalemuir ...	986·9	+68	W'S	6	c	44	75	8	8	-	-	7-8	7-8	2500
13A	Tiree	986·0	+34	WSW	6	c	43	65	8	8	7	-	4-6	7-8	1500
13B	Stornoway ...	980·6	+14	W	4	c/phr	40	85	8	8	2	-	2-3	9+	1500
15	Dalwhinnie ...	985·0	+24	W	3	c	37	75	8	8	4	-	4-6	7-8	2500
	Aberdeen ...	981·7	+34	WNW	2	bc	43	75	8	7	7	8	2-3	4-6	2500
	Wick	978·4	+12	W	3	bc	40	85	8	8	7	1	4-6	4-6	2500
16	Lerwick ...	974·8	-12	WSW	4	c	41	65	7	8	7	1	4-6	9+	1500
17	Blacksod Point	993·2	+26	W	5	q	45	85	8	3	-	-	4-6	4-6	800
18	Malin Head ...	988·2	+32	WSW	6	pr.	43	85	8	8	7	-	9	10	1500
	Aldergrove ...	991·2	+36	W'S	4	c/pr	44	85	8	8	-	-	7-8	7-8	1500
	Donaghadee ...	990·8	+50	NW	2	bc	47	85	7	5	3	-	4-6	4-6	1500
19	Birr Castle ...	994·7	+48	W	3	c	49	85	8	3	-	-	7-8	7-8	2500
20	Valentia Obsy.	997·8	+24	W'N	3	id.	48	95	6	5	-	-	10	10	450
	Roches Point...	997·4	+20	SW	3	c	52	85	8	3	-	-	7-8	7-8	1500

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

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)	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	1002·6	-6	SW	5	c	51	95	7	5	2	-	7-8	10	1500	1	*
	1003·1	+4	WSW	5	c	51	85	7	5	-	-	10	10	800	*	*
	1003·1	+4	SW'W	5	d.	50	95	7	5	-	-	10	10	800	1	*
	1003·2	0	SW	5	ir.	50	95	7	6	-	-	10	10	800	1	*
	1002·8	+2	SW	4	o	50	95	7	5	-	-	10	10	800	1	*
	1004·6	+4	SW'S	5	r.r.	49	95	7	6	-	-	10	10	800	1	4
	*	*	SW	8	rr	*	*	4	9	-	*	10	10	800	*	4
	1005·6	+4	SW	5	drF	47	95	1	6	-	-	10	10	150	1	*
2	1002·6	+10	SW	5	q	50	95	7	5	-	-	9+	9+	1500	1	*
	1001·2	+10	SW'S	4	c	49	95	7	5	-	-	10	10	800	0	0
	999·1	+10	SSW	4	c	54	85	7	6	-	-	9+	9+	2500	1	3
	996·0	+16	SW'S	5	c	53	85	6	5	-	-	10	10	1500	1	*
3	997·8	+4	SW	~~6~~ 6+	c	52	85	8	5	-	-	10	10	1500	1	*
	1000·7	+10	SW	6	r.r.	50	95	7	6	-	-	10	10	450	1	*
4	999·0	+4	SW'S	5	q	52	85	7	6	-	-	10	10	2500	1	*
5	1004·0	-8	WSW	7	rr	49	95	6	6	-	-	10	10	800	2	6
	1003·5	-6	SW'S	7	RR	49	95	6	5	-	-	10	10	450	1	4
	1004·1	+2	SW	6	rr	50	95	5	5	-	-	10	10	2500	1	5
	1002·7	-4	WSW	6	r.r.	51	95	5	6	-	-	10	10	1500	1	4
	1008·4	-4	SW	7	rr	51	95	5	6	-	-	10	10	1500	2	4
6	998·5	+4	SSW	6	df	49	95	2	5	-	-	10	10	150	1	4
7	997·2	+10	W'S	4	ir.	47	85	6	6	-	-	9+	9+	1500	1	2
	996·3	+12	W'N	2	ir.	47	95	6	6	-	-	9+	9+	1500	1	*
8	995·6	+10	WSW	3	c/r	45	95	6	5	-	-	9+	9+	1500	1	*
9	993·4	+26	W	5	q	44	85	7	-	8	-	0	1	-	1	*
10	994·~~8~~4	+12	WNW	5	c	46	85	7	5	2	-	4-6	10	800	0	3
	992·0	+10	WSW	5	c	45	75	8	4	3	-	Ir.	7-8	4000	1	*
	990·7	+14	W	3	bc	45	75	6	2	-	-	4-6	4-6	2500	1	2
11	988·5	+10	SW	6	c	38	85	8	8	-	-	7-8	7-8	2500	0	4
	987·8	+22	SW	3	c	37	85	6	8	-	-	9	9	2500	1	*
12	990·3	+14	WSW	4	c/r	37	95	7	9	-	-	9	9	2500	1	*
	991·3	+6	SW'W	5	bc/pr	37	85	8	8	-	-	4-6	4-6	1500	1	*
13A	987·7	+12	SW'W	6	pr	38	85	8	3	7	3	7-8	9	1500	1	4
13B	981·9	+4	W	4	c	35	95	8	5	2	-	2-3	7-8	1500	1	*
15	987·1	+14	NW	2	ss	31	95	6	4	-	-	10	10	800	7	*
	985·6	+16	SW	3	b	38	65	7	5	-	3	1	1	2500	1	2
	981·2	+12	W	4	c/ps	33	95	8	9	8	-	4-6	7-8	1500	6	2
16	974·3	+16	W'S	5	c/ps	33	95	8	8	-	-	7-8	7-8	1500	6	*
17	996·7	+20	W	6	q	41	75	8	3	-	-	4-6	4-6	800	1	4
18	990·5	+14	WSW	6	q	40	85	7	8	2	-	9	9+	1500	2	2
	993·7	+12	W'S	4	pr.	39	85	8	8	-	-	9+	9+	1500	1	*
	993·6	+10	WNW	3	c	42	75	7	9	-	-	7-8	7-8	1500	0	2
19	996·2	+8	NW	3	c/r	43	85	8	8	-	-	9+	9+	2500	1	*
20	998·9	+10	NW'W	2	b/r	45	85	8	5	-	-	10	10	1500	1	3
	999·1	+12	N	3	dd	46	95	6	5	-	-	10	10	800	1	5

PAST 24 HOURS.

District	Weather. 7h.–13h. 1st (37)	Weather. 13h.–18h. 1st (38)	Weather. 18h. 1st to 1h. 2nd (39)	Weather. 1h.–7h. 2nd (40)
1	crrc	cqc	ecrr	crrcpbc
	orrd,om,	id,c	c8rrr	errm,bc
	rror,d,	ocd,	od,rr	rirbc
	odrdrm,q	ocr,	orr	orbc
	crrd,m,	id,m,o	oorr	oirbc
	oddq,m,	oddq,m,	or,8ddm,	oddr,m,c
	r	r	8	r
	orraf	oddFF	ddrrff	rrffrrr
2	cr,cq	cq	c	cr,c
	cqor,rcq	cqc	cor,c	or,cqcbc
	ocr,q	ocq	corrq	or,r,
	cpr,c	cm,	oddrrm,	or,b
3	ocrc	c	ork	ob
	ocr,	r,d,d,q	c,Rqrr	rrcqbc
4	dqrqcq	cqcq	cqprq	cbb
5	orrddz	ddrrz,	oRR3o	oRcbc
	orddom,	om,drRq	orrRR	oRRbc
	omrr	omrr	omrr	orrc
	r,id,	or,r,	orrir	rrirc
	ocrr,	orr	orr	orr
6	cqmr,m,	oqffd,c	efid,rme	cbcq
7	id,cqpr	om,r,	cbcq	bcbq
	cr,rbc	kqrd,c	cr,rc	cbc
8	qPRc	qccr	ircc	cbc
9	cqor	pr,cbq	bbc	b
10	cqp,d	qp,dc3	rro	ocbc
	cri,	q,bc	bcb	b
	op,cq	cbc	bcb	bq
11	orrcq	bcprq	cprsq	cbcprsq
	or,rbcq	bjpryuc	cpr,bx	bwps,bq
12	orr,cq	p,bcphc	cir,qb	cp,cspry
	orrbc	cprbc	bc	bcois
13A	cPH	bcpr	c	bcp
13B	cphrs	cphs	cphslq	cphrsl
15	ir	ss	*	ss
	orrr,cbc	bcprh	bx	bx
16	cor,bc	PSps	cpsbc	prslq
	cpr,	cPHRps	cphr	cPHRtlh
17	pr,cq	pr,cq	pr,cq	bcq
18	cpri	cq,hr	bcq,fr	bcq,hr
	cr,m,p,	c	bc	bc
	r,r,bc	bcc	b	bx
19	rrrc	cor,	cbc	bcx
20	coud,	od,r,rc	cpr,bc	cbc
	oddc	cod,d	oddc	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, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—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 $\frac{1}{10}$ 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
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.

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.*

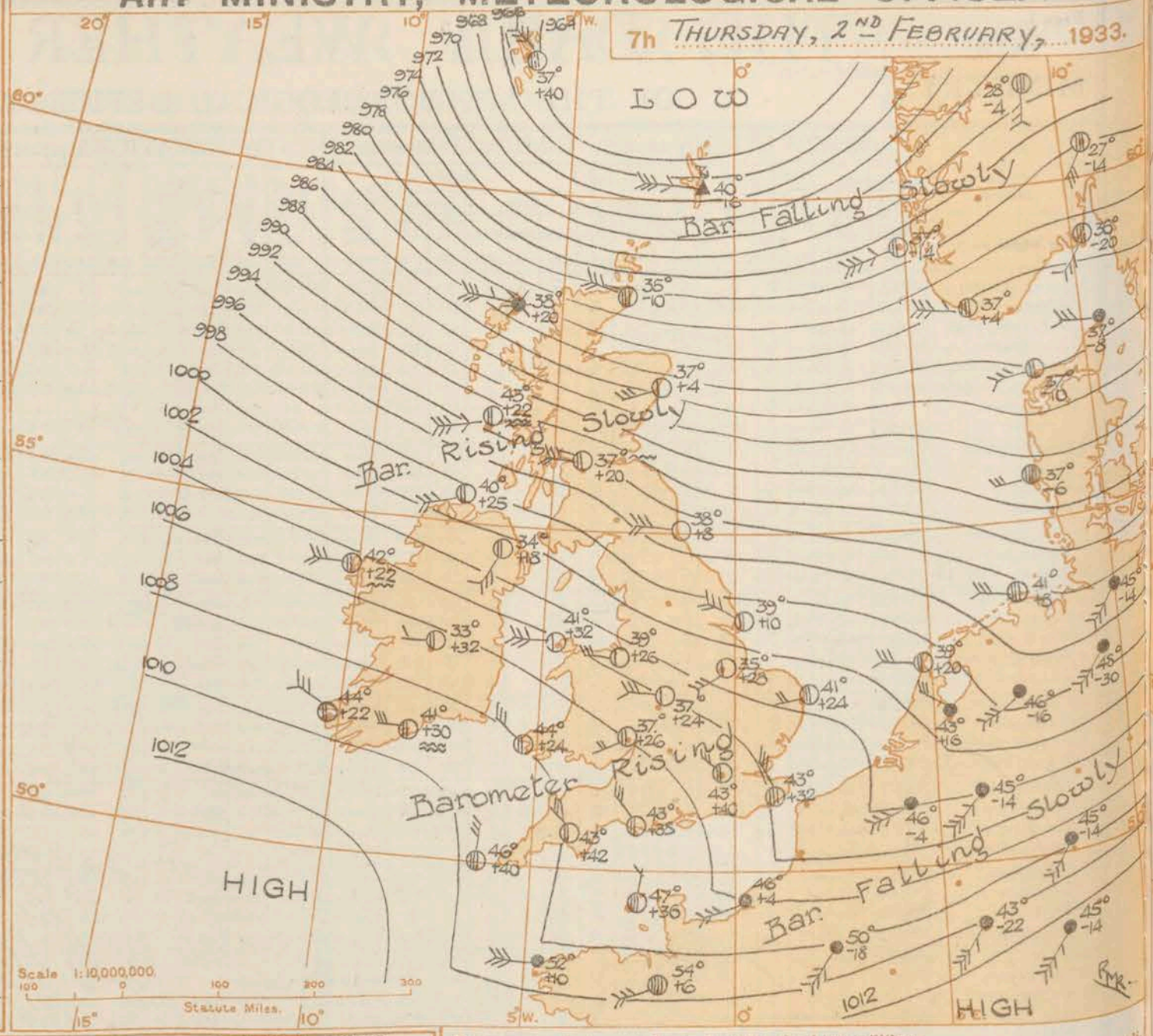
REPORTS from HEALTH RESORTS for 1st FEBRUARY 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 31st to 9h. 1st	Temperature. Max. 9h.—17h. 1st	Rainfall. Night. 17h. 31st to 9h. 1st	Rainfall. Day. 9h.—17h. 1st	Sunshine. Sunrise to Sunset. 1st
1	Tunbridge W.	or	ord	36	49	3	2	0.0
	Bournemouth	d	d	42	51	6	1	0.0
	Ventnor ...	orf	oforf	43	48	4	1	0.0
	Southsea ...	orr	od	43	50	3	0.5	0.0
	Bognor Regis	roid	oid	37	47	3	1	0.0
	Littlehampton	crcd	cd	38	47	2	0.4	0.0
	Worthing ...	oid	oid	36	48	3	0.3	0.0
	Brighton ...	rodo	o	40	48	2	0.2	0.0
	Eastbourne†	yror	rrodq	45	50	2	1	0.0
	Hastings† ...	odd	odmf	44	47	2	1	0.0
	Folkestone ...	orm	orm	40	47	1	2	0.0
	Dover... ...	oird	odd	40	47	1	1	0.0
	Deal	d	d	40	49	1	1	0.0
	Ramsgate ...	do	o	44	51	0.4	0.2	0.0
	Margate ...	cd	c	40	52	0.3	Tr	0.0
2	Southend ...	oqco	oq	35	50	0.6	–	0.1
	Maldon ...	rc	c	43	54	1	0.3	0.0
	Clacton-on-Sea	copc	c	35	48	0.1	0.5	0.0
	Dovercourt ...	roc	oc	37	53	0.2	–	0.0
	Lowestoft ...	odc	cod	35	54	2	Tr	0.0
	Skegness ...	om	om	35	54	Tr	–	0.6
	Mablethorpe	ocr	co	37	56	0.3	Tr	1.6
	Cleethorpes...	cpc	c	41	56	Tr	Tr	2.0
3	Leamington S.	oc	cbcc	42	55	0.3	–	1.1
4	Cheltenham†	oirm	coir	45	51	3	1	0.0
5	Bath	cir	cir	42	55	7	0.3	0.0
	Weymouth ...	ro	od	47	51	4	0.2	0.0
	Jersey ...	rcr	rr	45	49	1	5	0.0
	Torquay ...	orqm	ordpq	44	53	10	4	0.0
	Penzance ...	ro	or	48	53	8	2	0.0
	St. Ives ...	pr	pr	49	54	11	1	0.0
	Bude	prode	dqr	46	51	7	1	0.0
	Ilfracombe ...	ro	od	48	54	7	0.5	0.0
6	Aberystwyth	crce	ofeod	43	50	8	2	0.0
7	Llandudno ...	rqc	crod	43	54	7	1	0.3
	Colwyn Bay...	cpbcc	copo	46	56	7	Tr	0.0
	Rhyl	orc	cprc	43	59	2	1	1.0
8	Wallasey ...	iro	roer	41	54	1	1	0.3
	Southport‖ ...	ropo	ocpo	46	56	5	2	0.0
	Blackpool ...	orq	o	43	48	9	0.4	0.0
	Morecambe ...	rrc	dicod	40	49	18	2	0.1
9	Ilkley... ...	rr	bc	37	51	0.4	8	0.0
10	Berwick-on-T.	oc	bc	43	51	1	–	4.1
11	Dunbar ...	crr	bc	39	50	1	–	3.8
12	Troon... ...	roer	crcbc	41	47	15	1	2.1
	Douglas ...	omRR	cbc	48	51	13	1	1.5

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h THURSDAY, 2ND FEBRUARY, 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 2nd.Feb.1933.
1. S.E. England 2. E. England... 3. E. Midlands	Wind west or northwest, moderate, fresh locally; fair; normal day temperature; frost tonight.
4. W. Midlands 5. S.W. England 6. South Wales	Wind northwesterly, moderate or fresh; bright periods; perhaps local showers; normal or rather low day temperature; local frost tonight inland.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind west or northwest, fresh or strong, perhaps gale on coast; showers of rain, hail or sleet; bright intervals; rather low temperature; frost tonight.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Wind between west and north, fresh or strong, gale locally on coast; showers of sleet or hail, with snow locally on hills; cold, frost tonight.
17. N.W. Ireland 18. N.E. Ireland	As 7 - 10.
19. S.E. Ireland 20. S.W. Ireland	As 4 - 6.

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

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◎ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— ○Clear sky. ◔Sky less than 1/10 clouded. ◑Sky 1/10 to 5/10 clouded. ◕Sky 1/10 to 9/10 clouded. ●Overcast sky. ●Rain falling. ✳Snow. ✳Sleet. ▲Hail. ≡Fog. ≡Mist. TThunder. KThunderstorm.
SEA DISTURBANCE. ~Rough. ≈High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A deep depression off the Norwegian coast is moving rather slowly eastwards. A wedge of high pressure is likely to develop to southwest and west of the British Isles. Wintry showers will occur in the North and Northwest, but mainly fair weather is probable in most other districts.

FURTHER OUTLOOK.

Mainly fair in the Southwest and South; wintry showers in the North.

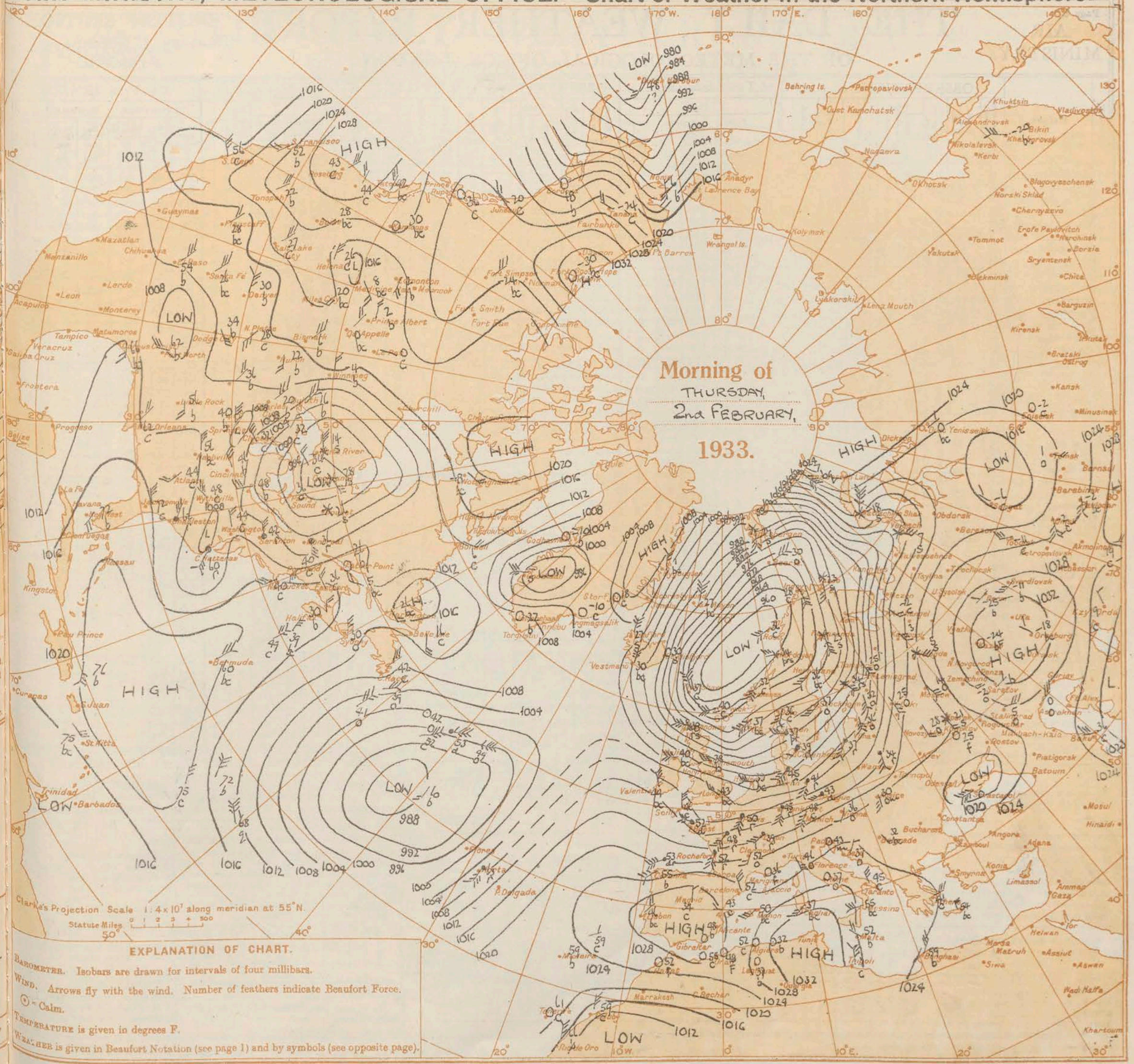
Time of issue of Gale Warning.

North Cone ▲ at 0300 on 2nd. in districts 10, 11, 13, 15 - 18; at 0845 on 2nd in districts 7, 8 and 12.

Forecasts issued at 1015 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 2nd February, 1933.

No. 26,005

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

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	999.5	-20	SW	4	rr	50	95	6	6	2	-	7-8	10	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	10004	-22	SW/S	5	dd	48	95	6	6	-	-	10	10	800
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	10008	-26	SW	6	rF	47	95	1	5	-	-	10	10	<150
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	996.7	-14	SW/S	4	rr	51	95	6	6	-	-	10	10	1500
	Cranwell ...	240	997.0	+8	W/S	3	r	41	95	6	6	-	-	10	10	800
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	10003	-16	WSW	7	RR	48	95	6	6	-	-	10	10	800
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1002.3	0	W/S	5	rr	50	95	5	5	-	-	10	10	1500
	Scilly (St. Mary's)	163	1002.1	+10	W/N	4	rr	51	95	5	6	-	-	10	10	1500
	Guernsey ...	175	1004.4	-20	WSW	7	rr	51	95	5	6	-	-	10	10	1500
6	Pembroke ...	142	1001.0	+14	NW	2	c	47	95	7	5	-	-	10	10	1500
7	Holyhead ...	26	1000.6	+18	W/N	6	bc	43	65	8	1	-	8	Tr	2-3	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	994.9	0	NW/W	5	c	42	85	6	-	2	-	0	10	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	993.2	+8	W	4	b	43	75	8	-	-	-	0	0	-
11	Inchkeith ...	190	990.8	+16	W	6	PRS	35	85	8	9	-	-	7-8	7-8	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	981.9	-8	W	6	bc/phr	37	95	8	9	7	-	4-6	4-6	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	980.9	-12	WSW	5	bc	32	95	8	3	8	-	2-3	4-6	1500
16	Lerwick ...	54	971.6	-24	WSW	8	phr	39	65	8	8	-	-	9	9	800
17	Blacksod Point	18	1000.2	+20	WNW	5	9	41	85	7	3	-	-	4-6	4-6	800
18	Malin Head ...	52	994.0	+20	WSW	6	bc/phr	40	75	7	9	-	-	2-3	2-3	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	10043	+30	WNW	4	bc	44	75	8	7	-	-	2-3	2-3	4000
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)...	1005.0	+44	NW	2	c	43	75	7	5	7	8	4.6	7.8	2500	1	*
	Croydon ...	1004.8	+40	NW	3	bc	43	75	7	-	7	1	0	4.6	-	1	*
	S. Farnborough	1005.2	+32	NW	3	c	41	85	8	-	4	1	0	7.8	-	1	*
	Winchester ...	1006.0	+36	WNW	3	bc	38	95	8	5	-	1	2.3	4.6	5700	1	*
	Boscombe Down	1006.3	+32	NW/W	2	bc	38	85	7	-	3	8	0	2.3	-	1	*
	Calshot (S'thmtn)	1005.6	+26	WNW	3	c	43	85	7	5	3	1	2.3	7.8	4000	1	2
	Dungeness ...	*	*	NW	2	rr	*	*	*	8	-	*	10	10	800	1	3
	Lympne ...	1003.7	+32	NNW	3	c/r	43	95	8	5	7	-	7.8	10	2500	1	*
2	Shoeburyness	1003.9	+40	WNW	4	c	47	85	7	4	-	-	7.8	7.8	2500	1	*
	Felixstowe ...	1003.1	+24	WNW	3	c	41	75	8	-	7	8	0	7.8	-	1	3
	Gorleston ...	1001.6	+24	W/S	2	bc	41	85	7	-	4	-	0	4.6	-	1	2
	Cranwell ...	1001.8	+28	SW/W	4	b	35	75	7	-	3	-	0	1	-	1	*
3	Birmingham ...	1004.8	+24	W	4	b	37	75	8	-	3	-	0	1	-	1	*
	Upper Heyford	1005.2	+40	W/N	3	bc	35	85	8	-	7=	-?	0	4.6	-	1	*
4	Ross-on-Wye ...	1005.7	+26	WSW	2	b	37	65	8	-	-	1	0	1	-	1	*
5	Portland Bill...	1006.6	+38	NNW	3	bc	43	95	7	4	-	-	4.6	4.6	1500	2	3
	Plymouth ...	1007.6	+42	NW/W	2	bc	43	95	8	5	5	8	1	4.6	4000	1	2
	The Lizard ...	1008.7	+44	NNW	2	c	43	95	7	8	-	-	9	9	2500	1	3
	Scilly (St. Mary's)	1009.6	+40	N	3	c	46	95	8	8	-	-	7.8	7.8	2500	1	3
	Guernsey ...	1007.5	+36	NNE	1	o/r	47	95	7	5	-	-	10	10	1500	2	3
6	Pembroke ...	1008.0	+24	NW	3	bc	44	85	7	5	-	-	4.6	4.6	2500	1	2
7	Holyhead ...	1005.3	+32	W/N	6	r	41	75	8	4	-	-	Tr	Tr	2500	1	3
	Chester (Sealand)	1003.2	+26	W	3	b	39	75	7	5	-	-	1	1	1500	1	*
8	L'pool (Bidston)	1002.4	+26	W	5	bc	39	75	8	8	-	-	4.6	4.6	2500	1	*
9	Harrogate ...	999.8	+10	SW	3	b	35	85	8	-	-	-	0	0	-	1	*
10	Spurn Head ...	998.6	+10	W/N	5	bc	39	85	7	5	-	-	2.3	2.3	2500	0	3
	Catterick ...	998.5	+18	WSW	4	b	36	75	8	-	-	-	0	0	-	1	*
	Tynemouth ...	994.5	+8	W	5	b	38	75	8	-	-	-	0	0	-	1	2
11	Inchkeith ...	991.6	+4	W	7	bc	37	75	8	5	-	-	4.6	4.6	2500	1	4
	Leuchars ...	990.5	0	WSW	6	b	35	85	8	8	-	3	1	1	2500	6	*
12	Renfrew ...	995.2	+20	WNW	5	bc/pr	37	85	7	9	-	-	4.6	4.6	1500	1	*
	Eskdalemuir ...	997.1	+20	SW/W	4	is	33	85	6	5	-	-	10	10	1500	8	*
13A	Tiree	993.0	+22	W/S	8	bc	43	55	7	8	-	3	2.3	4.6	1500	1	6
13B	Stornoway ...	983.3	+20	WNW	7	prs	38	85	8	9	7	-	4.6	7.8	1500	6	3
15	Dalwhinnie ...	990.4	+14	NW	4	k/s	34	95	6	4	-	-	10	10	800	7	*
	Aberdeen ...	985.9	+4	WSW	3	b	37	65	8	5	-	-	1	1	4000	4	2
	Wick	978.1	-10	WNW	5	c/ps	35	95	8	9	8	-	4.6	7.8	1500	6	3
16	Lerwick ...	966.6	-16	W/S	8	t/h	40	85	8	9	-	-	9	9	800	2	*
17	Blacksod Point	1005.3	+22	W	5	9	42	85	8	3	-	-	4.6	4.6	450	0	4
18	Malin Head ...	998.1	+28	W/S	5	bc/phr	40	85	7	9	-	-	2.3	2.3	1500	1	2
	Aldergrove ...	1001.2	+18	SW	4	bc	34	95	8	5	7	6	1	2.3	2500	1	*
	Donaghadee ...	1000.5	+20	W	3	bc	35	85	7	5	-	-	2.3	2.3	1500	0	2
19	Birr Castle ...	1006.2	+32	W	1	bc	33	95	7	5	4	-	2.3	4.6	2500	4	*
20	Valentia Obsy.†	1009.4	+22	NW/N	4	bc	44	65	8	8	-	-	4.6	4.6	2500	1	*
	Roches Point...	1009.0	+30	W	3	bc	41	85	8	3	-	-	4.6	4.6	1500	1	8

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 1st Hrs. (36)
1	London (Kew)...	53	43	33	2	3	0.0
	Croydon ...	53	43	39	2	4	0.0
	S. Farnborough	53	41	35	3	5	0.0
	Winchester ...	52	38	31	3	10	0.0
	Boscombe Down	52	34	34	3	16	0.0
	Calshot (S'thmtn)	50	42	39	2	13	0.0
	Dungeness ...	47	44	*	2	6	*
	Lympne ...	48	43	42	4	7	0.0
2	Shoeburyness	53	41	39	0.4	2	0.0
	Felixstowe ...	50	40	36	0.5	1	0.0
	Gorleston ...	54	40	36	1	1	0.0
	Cranwell ...	54	34	30	Tr	3	0.5
3	Birmingham ...	54	35	32	0.3	15	0.0
	Upper Heyford	52	35	29	1	4	*
4	Ross-on-Wye ...	53	37	30	2	2	0.0
5	Portland Bill...	50	43	*	2	12	*
	Plymouth ...	50	42	39	4	13	0.0
	The Lizard ...	51	43	*	5	12	*
	Scilly (St. Mary's)	52	45	*	3	17	0.0
	Guernsey ...	51	47	46	11	17	0.0
6	Pembroke ...	56	42	*	0.5	4	0.0
7	Holyhead ...	51	41	39	0.5	-	0.2
	Chester (Sealand)	56	38	32	2	1	3.7
8	L'pool (Bidston)	54	39	36	2	1	0.1
9	Harrogate ...	51	35	28	5	-	1.2
10	Spurn Head ...	53	37	*	Tr	3	2.2
	Catterick ...	54	35	28	1	-	3.8
	Tynemouth ...	55	35	31	Tr	-	*
11	Inchkeith ...	48	34	32	Tr	2	4.2
	Leuchars ...	49	33	28	1	0.1	4.1
12	Renfrew ...	49	34	30	3	2	3.6
	Eskdalemuir ...	47	31	28	13	1	2.5
13A	Tiree	43	35	32	0.4	1	1.0
13B	Stornoway ...	40	33	*	3	3	2.3
15	Dalwhinnie ...	43	29	26	3	3	1.9
	Aberdeen ...	47	33	28	3	-	3.7
	Wick	40	31	*	2	2	*
16	Lerwick ...	42	32	*	3	6	0.5
							0.8
17	Blacksod Point	52	37	*	1	0.6	*
18	Malin Head ...	44	36	*	2	1	2.2
	Aldergrove ...	45	33	29	1	-	1.0
	Donaghadee ...	51	33	*	2	-	*
19	Birr Castle ...	53	32	20	5	-	0.8
20	Valentia Obsy.†	53	41	35	2	0.1	0.0
	Roches Point...	53	40	*	3	2	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 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	crrc	cqc	crrcpbc	53	43	33	2	3	0.0	*	*	6
Croydon	217	crrd,cm	idc	cr,drrmbc	53	43	39	2	4	0.0	*	*	5
Greenwich (Royal Observatory) ...	149	dcq	cq	cdrrcbm	53	40	32	0.5	4	0.0	85	66	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	54	40	32	3		0.0	98	75	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	54	40	34	3		0.0	83	69	*
Camden Square	110	orc	c	*	53	40	34	0.5	3	*	*	79	*
Kensington	80	od	co	*	54	41	30	0.4	3	0.0	At 18h.	73	*
Hampstead Observatory	450	or	o	orbc	52	36	27	0.3	3	0.0	87	83	*

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 1st February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 2nd February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1015.1	SSW	5	rr	48	1007.9	SSW	6	rr	50
Brussels	1009.0	SW	7	c/r	48	1002.0	SW	6	r.r.	46
Berlin	1009.0	SSW	6	r.r.	41	999.8	SW/S	6	r.r.	41
Zürich	1024.4	SSE	2	c	37	1018.7	NNW	5	c	50
Rome						1025.8	-	0	0	37

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
50	46	rr	4
48	41	1	3
46	36	2	-
		-	-

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

SOUTH KENSINGTON.

Max.	Time.	Min.	Time.
0.6	15-18h 1st	Nil.	0-6h 2nd

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
0.1	8h 2nd	<0.1	24h 1st

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 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.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 3rd February 1933.

No. 26.006

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

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)	1011·2	+1·8	W	3	bc	45	55	7 6	-	-	9	0	2·3	-
	Croydon	1010·8	+1·8	W'N	3	b	45	55		1 -	3	1	Tr.	1	2500
	S. Farnborough	1011·3	+1·8	W'N	4	b	47	55		-	3	1 -	0	Tr.	-
	Winchester	1011·8	+1·8	W	4	bc	46	55		- -	7	-	-	2·3	4000
	Boscombe Down	1012·4	+3·4	WNW	4	b	45	55		- -	3	5	Tr.	1	4000
	Calshot, S'thmtn	1012·5	+2·0	WSW	4	bc	45	65		- -	4	1	Tr.	2·3	2500
	Dungeness	*	*	NW	2	bc	*	*		1 7	-	*	4·6	4·6	1500
	Lympne	1010·6	+1·8	WNW	3	bc	45	55		8 -	3	-	0	4·6	-
2	Shoeburyness	1009·6	+2·0	NW'N	4	b	46	65		8 -	8	1	Tr.	1	4000
	Felixstowe	1008·4	+1·4	W'N	5	bc	44	55		8 -	3	1	1	2·3	2500
	Gorleston	1006·6	+2·4	W	4	b	43	85		8 6	-	-	1	1	4000
	Cranwell	1006·6	+1·4	WSW	5	bc	42	65		7 -	-	-	4·6	4·6	2500
3	Birmingham	1009·7	+2·2	WSW	5	bc	42	65		7 8	-	-	4·6	4·6	2500
	Upper Heyford	1010·7	+1·4	W	5	bc	45	65		8 -	-	-	2·3	2·3	2500
4	Ross-on-Wye	1011·1	+1·6	W	4	bc	46	55		9 8	-	1	4·6	4·6	4000
5	Portland Bill	1013·6	+2·8	WNW	4	bc	46	85		8 8	4	-	2·3	4·6	2500
	Plymouth	1014·3	+2·2	WNW	4	c	47	55		8 -	3	-	2·3	9	4000
	The Lizard	1015·1	+1·0	WNW	2	bc	48	65		8 -	6	-	4·6	4·6	4000
	Scilly (St. Mary's)	1015·9	+1·2	WSW	1	c	49	75		8 7	7	-	2·3	7·8	4000
	Guernsey	1015·0	+3·0	NW	2	c	48	55		8 5	1	-	4·6	7·8	4000
6	Pembroke	1012·6	+1·6	NW	4	bc	46	65		7 8	7	-	2·3	4·6	2500
7	Holyhead	1010·2	+2·4	W'N	6	bc	45	65		5 -	-	8	1	2·3	2500
	Chester (Sealand)	1008·6	+1·8	W	5	bc	45	55		8 -	-	-	4·6	4·6	2500
8	L'pool (Ridston)	1007·2	+1·6	WNW	7	q	42	65		8 -	-	-	Tr.	Tr.	4000
9	Harrogate	1003·7	+1·0	W	6	q	41	65		8 -	-	-	1	1	2500
10	Spurn Head	1002·6	+1·2	NW	7	q	43	75		8 4	-	-	4·6	7·8	2500
	Catterick	1002·1	+1·0	W'S	6	q	43	55		8 2	-	-	1	1	2500
	Tynemouth	9987	+2·0	W	5	bc	42	65		8 1	-	-	2·3	2·3	2500
11	Inchkeith	995·4	+2·0	W	8	bc	42	65	7	5	4	-	2·3	2·3	2500
	Leuchars	994·0	+1·4	W	7	b	43	65	8	1	-	-	Tr.	Tr.	2500
12	Renfrew	999·6	+2·2	W	6	q	43	65	8	3	-	-	4·6	4·6	1500
	Eskdalemuir	1000·7	+1·8	W'S	5	ps	36	85	7	8	-	-	9+	9+	1500
13A	Tiree	999·0	+3·0	W	8	c	45	55	7	8	-	3	4·6	7·8	1500
13B	Stornoway	991·3	+4·4	WNW	7	phr	40	75	7	8	7	-	4·6	7·8	1500
15	Dalwhinnie	*	+2·0	NW	4	cs	33	95	6	4	2	-	4·6	10	800
	Aberdeen	999·3	+3·4	W	5	c/rs	41	75	8	3	-	3	4·6	7·8	2500
	Wick	982·0	+2·8	WNW	5	c/ps	39	85	8	8	1	-	4·6	7·8	1500
16	Lerwick	971·7	+5·6	WNW	8	PHR	37	95	7	9	-	-	9+	9+	800
17	Blacksod Point	1011·0	+2·4	W	4	q	43	95	8	3	-	-	7·8	7·8	800
18	Malin Head	1003·7	+3·0	W	6	bc/ph	43	85	7	8	-	-	4·6	4·6	1500
	Aldergrove	1006·5	+2·2	WSW	5	c b	42	65	8	8	3	-	1	7·8	2500
	Donaghadee	1005·9	+2·0	WNW	3	bc	42	65	7	8	-	-	2·3	2·3	1500
19	Birr Castle	1011·3	+2·2	W	2	bc	44	75	8	5	-	8	1	4·6	2500
20	Valentia Obsy.	1014·1	+1·4	NW'W	2	c	46	65	8	5	1	-	4·6	9+	4000
	Roches Point	1013·8	+2·0	SW	2	c	45	75	8	3	-	-	7·8	7·8	1500

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

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)	1014·6	+2·6	W	2	c	46	65	7	-	7	-	0	1·0	-	1	*
	Croydon	1014·4	+2·4	W	3	bc	42	65	7 7	-	5	-	0	4·6	-	1	*
	S. Farnborough	1014·7	+2·2	W'S	3	c	42	75	7 7	-	7	3	0	7·8	-	1	*
	Winchester	1015·5	+2·2	W'S	3	c	40	75	7 7	4	3	-	4·6	7·8	4000	1	*
	Boscombe Down	1015·6	+2·6	W'N	3	c	40	75	7 8	5	5	-	2·3	7·8	2500	1	*
	Calshot, S'thmtn	1015·7	+2·2	WSW	3	c	43	65	8 6	5	4	-	7·8	9	2500	1	2
	Dungeness	*	*	NW	2	bc	*	*	* 6	5	4	-	4·6	4·6	1500	1	2
	Lympne	1014·5	+2·2	W'N	3	c	41	55	7	5	3	-	1	7·8	4000	1	*
2	Shoeburyness	1013·8	+3·0	WNW	2	c	41	75	6 8	-	1	-	0	7·8	-	1	3
	Felixstowe	1013·0	+2·8	W'S	3	bc	41	65	8 6	-	1	8	0	4·6	-	1	3
	Gorleston	1010·4	+2·0	WSW	3	b	39	75	6 6	-	1	-	0	Tr.	-	0	2
	Cranwell	1010·8	+3·0	W'S	4	b	38	75	7	7	-	-	1	1	4000	1	*
3	Birmingham	1013·4	+2·0	W	4	bc	39	75	8	-	1	1	0	2·3	-	1	*
	Upper Heyford	1014·5	+3·4	W'S	4	c	39	75	8 8	5	2	-	1	9	2500	1	*
4	Ross-on-Wye	1014·4	+2·4	W	3	c	41	65	8	4	1	6	1	9	2500	1	*
5	Portland Bill	1016·7	+2·8	NNW	4	c	45	85	7	4	-	-	10	10	2500	1	4
	Plymouth	1016·8	+1·6	W'N	1	c	45	65	5	5	7	-	7·8	9+	4000	1	2
	The Lizard	1016·1	+2	WNW	1	c	45	95	8	5	-	-	9+	9+	4000	1	2
	Scilly (St. Mary's)	1016·8	+1·4	NNE	2	c	45	85	7	5	-	-	9	9	4000	1	2
	Guernsey	1017·3	+2·0	-	0	c	46	75	5	7	-	-	10	10	4000	0	2
6	Pembroke	1016·0	+1·6	W	3	c	45	75	8	4	7	4	4·6	7·8	4000	0	2
7	Holyhead	1013·0	+1·8	W'N	5	bc	44	65	8 8	4	4	1	4·6	4·6	2500	1	3
	Chester (Sealand)	1012·3	+2·4	W	4	b	41	65	8 8	1	8	-	1	1	2500	1	*
8	L'pool (Ridston)	1011·3	+1·8	WNW	6	q	41	75	8	8	-	-	4·6	4·6	2500	1	0
9	Harrogate	1007·9	+2·6	W	5	q	39	75	8 6	1	5	-	Tr.	Tr.	2500	1	*
10	Spurn Head	1006·7	+1·6	NW'W	6	bc	40	85	8 8	5	4	-	2·3	2·3	1500	0	4
	Catterick	1005·6	+2·0	W'S	4	b	39	65	8 8	4	2	-	Tr.	Tr.	4000	1	*
	Tynemouth	1002·9	+4·0	W	6	bc	40	65	7	2	-	-	2·3	2·3	2500	1	2
11	Inchkeith	1001·9	+5·0	W	8	bc	40	85	8	5	-	-	2·3	2·3	2500	0	4
	Leuchars	1001·1	+5·0	W	6	b	39	85	8	2	-	-	1	1	1500	1	*
12	Renfrew	1004·7	+4·0	W	4	pr	39	85	7	3	-	-	9	9	1500	1	*
	Eskdalemuir	1003·5	+2·4	W'N	5	c	38	75	8	8	-	-	7·8	7·8	1500	6	*
13A	Tiree	1005·8	+4·6	W'N	4	prs	42	85	7	3	7	3	4·6	7·8	1500	1	5
13B	Stornoway	1000·7	+4·8	NNW	5	bc	40	75	8	5	7	-	4·6	4·6	1500	1	3
15	Dalwhinnie	*	+4·6	NNW	4	cs	35	85	6	4	2	-	4·6	10	800	8	*
	Aberdeen	997·8	+5·4	WNW	6	b	39	75	8	8	-	-	1	1	2500	1	3
	Wick	994·2	+7·2	WNW	5	prs	37	85	8	9	1	8	4·6	7·8	1500	6	3
16	Lerwick	985·9	+6·0	NW	8	PH	36	85	7	8	-	-	7·8	7·8	1500	1	*
17	Blacksod Point	1012·6	+2·0	W	3	bc	43	85	8	3	-	-	4·6	4·6	1500	0	3
18	Malin Head	1008·2	+3·4	W	6	bc	43	75	7	4	6	-	2·3	4·6	1500	1	5
	Aldergrove	1011·1	+3·4	SW'W	3	b	37	75	8	7	-	-	Tr.	Tr.	4000	1	*
	Donaghadee	1009·6	+2·4	WNW	3	b	40	75	7	-	-	-	0	0	-	0	2
19	Birr Castle	1014·4	+1·8	W	1	c	41	85	8	5	-	-	9	9	2500	1	*
20	Valentia Obsy.	1015·3	+1·0	-	0	c	41	75	8	5	-	1	4·6	7·8	4000	1	3
	Roches Point	1015·4	+1·6	SW	2	c	45	75	8	3	-	-	7·8	7·8	1500	0	3

PAST 24 HOURS.

Dist.	Stations.	Weather. 7h.–13h. 2nd (37)	Weather. 13h.–18h. 2nd (38)	Weather. 18h. 2nd to 1h. 3rd (39)	Weather. 1h.–7h. 3rd (40)
1	London (Kew)	bcb	byc	bcbm.	bcm.x
	Croydon	mbbc3.	b3.y	cb	bbcx
	S. Farnborough	bcbbc	bbcyc	cbx	bxbcxm
	Winchester	bcm.	bcybc	bcbx	bxcm.x
	Boscombe Down	bcm.3.b	bbcc	cb	bbcx
	Calshot, S'thmtn	bcb	bybcc	cbcbx	bx,cxm.
	Dungeness	bc	bc		c
	Lympne	bcm.bbc	byc	bcbv	bv
2	Shoeburyness	cb	bc	bcm.	bcm.
	Felixstowe	bcby	bybcy	bcbx	bxm.
	Gorleston	bcq	bcbq	bqx	bx
	Cranwell	bm.cbc	bcb	b	bx
3	Birmingham	bbc	bc	b	bbc
	Upper Heyford	bcb	bcycq	c	cbcm.x
4	Ross-on-Wye	bbc	bcycyc	bcbv	bx
5	Portland Bill	vcbc	bcc	bc	bcco
	Plymouth	cm.cy	cym.3	cm.	cr.r.
	The Lizard	cbc	bcc	co	opro
	Scilly (St. Mary's)	c	c	crrc	or.r.
	Guernsey	cc	co	or.	oprid
6	Pembroke	bcq	bcqcqc	bbc	bccm.c
7	Holyhead	b	bbcc	bcb	b
	Chester (Sealand)	bbc	bcb	bv	bxbc
8	L'pool (Ridston)	bq	bq bc	qbcbv	bv
9	Harrogate	bq	bq	b	bx
10	Spurn Head	bccq	cq bc	bc	bc
	Catterick	bprcq	bqb	b	bx
	Tynemouth	bbcq	bcq	bcbq	b
11	Inchkeith	bccpr	bcq	bcb	bbc
	Leuchars	prsbqc	bq	bqbx	bbcx
12	Renfrew	prpsphq	bccprq	cprb,c	cbcbx
	Eskdalemuir	cps	cpsbc	bc	bcxc
13A	Tiree	cy	bcpr.	bcpP	bc
13B	Stornoway	cPHR	cphrq	c	chcpr
15	Dalwhinnie	ss	cs	*	bc
	Aberdeen	bbcps.prs	bcqpr	b	b
	Wick	cprsq	prshq	prshq	cbc
16	Lerwick	cPHq	cPHq	cphq	cps.
17	Blacksod Point	phbcq	pr.c	cbc	cbc
18	Malin Head	bcqh	bcpr.	cprbc	bcp.
	Aldergrove	bcps.	b	bx	bx
	Donaghadee	b	b	bx	bx
19	Birr Castle	bc	bcc	cb	bbcx cidg
20	Valentia Obsy.	bcc	c	bw	bw ccc
	Roches Point	bcc ⊕	c	cbc ⓜ b	bc oic.

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, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—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.
"t r" signifies a small amount of cloud (trace) covering less than $_1/_{10}$ 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

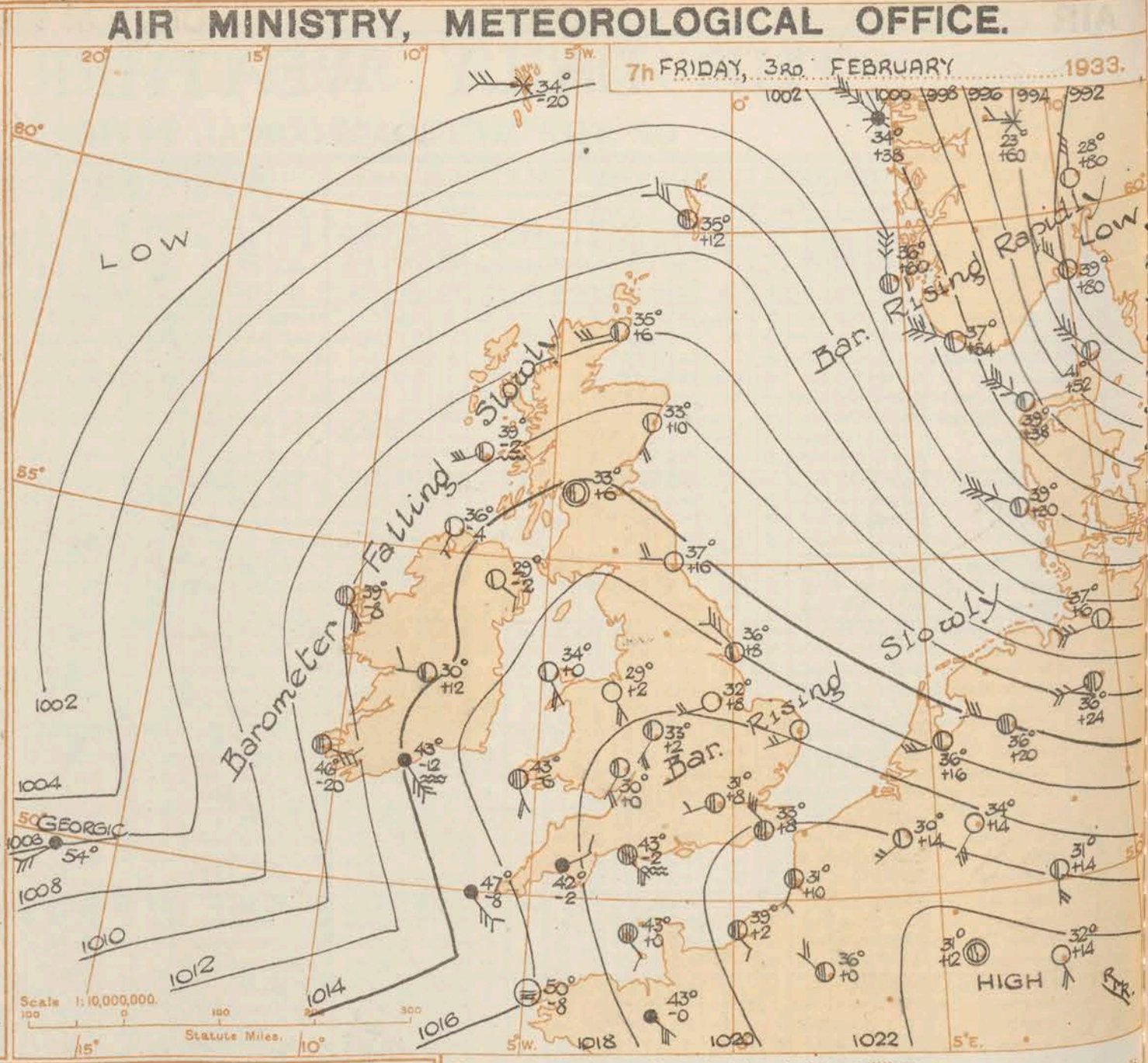
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

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.*

REPORTS from HEALTH RESORTS for 2nd February 1933

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 1st to 9h. 2nd	Temperature. Max. 9h.—17h. 2nd	Rainfall. Night. 17h. 1st to 9h. 2nd	Rainfall. Day. 9h.—17h. 2nd	Sunshine. Sunrise to Sunset. 2nd
1	Tunbridge W.	b	bbc	39	46	8	–	7.5
	Bournemouth	cb	bc	38	47	15	–	3.4
	Ventnor ...	orbbc	cbcu	40	46	20	–	3.8
	Southsea ...	cbc	bbc	41	46	12	–	4.4
	Bognor Regis	bc	bbc	39	46	11	–	5.1
	Littlehampton	bc	bc	40	47	11	–	5.6
	Worthing ...	bc	bcb	41	46	11	–	5.6
	Brighton ...	b	bbc	42	45	11	–	5.7
	Eastbourne†	bc	bcbbc	42	50	14	–	5.5
	Hastings† ...	bbcb	b	41	48	10	–	5.2
	Folkestone ...	rbc	b	40	47	10	–	6.9
	Dover... ...	yb	bbc	41	48	7	–	7.4
	Deal	b	b	40	46	4	–	7.0
	Ramsgate ...	b	bbc	40	46	2	–	6.8
	Margate ...	bc	bc	40	44	3	–	7.0
2	Southend ...	b	bbc	39	46	1	–	6.4
	Maldon ...	b	bc	39	46	2	–	7.8
	Clacton-on-Sea	cbc	bcy	38	48	2	–	7.7
	Dovercourt ...	b	bc	38	46	Tr	–	7.0
	Lowestoft ...	b	b	36	43	4	–	7.5
	Skegness ...	bm$_o$	bm$_o$	35	44	Tr	–	6.8
	Mablethorpe	b	bcm$_o$	34	44	3	–	6.8
	Cleethorpes ...	b	b	35	45	1	–	7.0
3	Leamington S.	b	b	34	45	5	–	6.6
4	Cheltenham†	bqmb	bbcqc	34	45	5	–	6.5
5	Bath	b	bbcc	37	48	4	–	6.7
	Weymouth ...	c	bcb	38	47	15	–	3.1
	Jersey ...	rcbc	bco	45	50	21	–	1.6
	Torquay ...	rqczw	bcc	38	48	13	–	1.1
	Penzance ...	rocb	cbco	41	49	23	–	0.6
	St. Ives ...	c	c	45	48	22	–	0.5
	Bude	prcbv	bcc	45	48	10	–	3.3
	Ilfracombe ...	bbc	bbc	43	47	11	–	5.1
6	Aberystwyth	odcbc	bbc	41	44	13	–	5.5
7	Llandudno ...	b	b	40	44	2	–	6.9
	Colwyn Bay...	b	b	39	45	0.3	–	7.0
	Rhyl	bbc	bcb	38	45	2	–	7.3
8	Wallasey ...	b	b	39	44	2	–	7.4
	Southport‖ ...	b	b	40	44	–	–	7.2
	Blackpool ...	cbc	bcc	39	44	1	–	7.2
	Morecambe ...	b	b	39	43	Tr	–	7.0
9	Ilkley... ...	b	b	34	42	–	–	5.0
10	Berwick-on-T.	b	b	33	42	1	–	7.3
11	Dunbar ...	bcs$_o$	bc	33	42	1	–	5.9
12	Troon... ...	rcrs	crcrc	36	45	3	2	4.0
	Douglas ...	xbco	bc	37	48	0.5	–	7.1

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



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 3rd. Feb., 1933.
1. S.E. England	Wind southeast, light or moderate, becoming southwest; rain or drizzle later; local mist or fog; becoming milder.
2. E. England...	Wind southeast, light or moderate, veering; cloud increasing; perhaps rain or drizzle tonight or tomorrow; rather low temperature; local mist or fog.
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Wind becoming southwest, moderate; cloudy; occasional rain or drizzle; coastal mist or fog; becoming mild.
6. South Wales	
7. North Wales	
8. N.W. England	Wind south or southeast, light or moderate; cloud increasing; probably rain later, perhaps sleet; rather cold, becoming milder; local mist or fog.
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	Wind southwest or variable, light or moderate; variable cloud; probably occasional snow or sleet later; rather cold.
14. Mid-Scotland	
15. N.E. Scotland	
16. Orkneys and Shetlands.	Wind southwest, moderate or fresh; variable cloud; occasional snow or sleet; rather cold.
17. N.W. Ireland	As 4 - 7.
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

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

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol — ◯ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS — ◯ Clear sky. ◔ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 5/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✳ Snow. ✳ Sleet. ▲ Hail. ≡ Fog. ≡ Mist. T Thunder. K Thunderstorm.
SEA DISTURBANCE. ~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h., in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

Pressure is high over Spain. A wedge of high pressure over England is moving east and a shallow trough of low pressure immediately to south and southwest of the British Isles is moving northeast. A disturbance over Iceland will probably move east-south-east. Rain or drizzle will spread from the Southwest and conditions will become mild in the West and South.

FURTHER OUTLOOK.

None issued.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

Forecasts issued at 1020 G.M.T.

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

Morning of
FRIDAY
FEBRUARY 3rd.
1933.

Clarke'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 the wind. Number of feathers indicate Beaufort Force.
⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 3rd February 1933.

No. 26.006

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

Distrct.	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	1018.3	+10	W'S	3	b	36	85	7	-	-	-	0	0	-
	S. Farnborough	287	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8	1019.1	+10	-	0	b	34	95	8	-	4	8	0	1	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1018.8	+10	WNW	3	b	35	85	9	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1014.9	+10	WSW	3	b	35	95	7	-	-	-	0	0	-
	Cranwell ...	240	1015.2	+20	WSW	4	b	35	85	7	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1019.3	+4	NNW	3	bc	43	95	8	4	4	-	2-3	4-6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1017.5	0	SE'E	2	0	46	95	8	5	-	-	10	10	2500
	Scilly(St.Mary's)	163	1017.0	-2	E'S	3	c	45	95	8	8	-	-	9+	9+	2500
	Guernsey ...	175	1019.2	+4	-	0	c.c.	45	95	6	6	-	-	10	10	1500
6	Pembroke ...	142	1016.8	+4	-	0	bc	42	75	8	-	4	-	0	2-3	-
7	Holyhead ...	26	1016.7	+14	W'N	4	b	42	75	8	-	-	5	0	1	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1012.0	+16	WNW	6	bc	37	85	6	5	-	-	2-3	2-3	800
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1010.6	+28	W	3	b	40	75	7	-	-	-	0	0	-
11	Inchkeith ...	190	1011.1	+32	SW	1	b	39	75	8	-	-	-	0	0	-
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1009.5	-6	WNW	1	c	37	85	8	8	7	-	7-8	9	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	87	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1006.2	+34	NW	4	c	38	75	8	8	1	-	4-6	7-8	1500
16	Lerwick ...	54	1002.3	+30	NW	3	c	36	75	8	9	-	-	9+	9+	800
17	Blacksod Point	18	1015.1	+4	-	0	c	41	85	8	-	5	-	0	7-8	-
18	Malin Head ...	52	1013.3	+18	W'S	1	bc/pr	40	95	7	3	-	-	2-3	2-3	1500
	Aldergrove ...	298	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1014.9	-10	-	0	c	41	85	9	8	-	-	10	10	4000
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 3rd 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)
1020.0	+8	-	0	c	30	95	5	7	7	-	4.6	7.8	2500	4	*
1019.8	+8	WSW	1	bc	31	95	7	-	3	1	0	4.6	-	4	*
1019.8	+6	-	0	fg	28	95	4	5	1	-	2.3	7.8	5700	4	*
1019.9	+2	-	0	c	26	95	6	-	1	-	0	9	-	4	*
1019.3	-2	S	1	c	30	95	6	5	-	-	9	9	4000	1	*
1019.4	+2	NW'N	1	c	33	95	6	-	7	7	0	9	-	0	0
*	*	NW	2	c	*	*	6	4	-	*	7.8	7.8	1500	*	2
1020.0	+8	NW'N	3	c	33	85	9	-	3	4	0	7.8	-	4	*
1019.6	+10	SW'S	4	bc	34	95	6	-	2	8	0	4.6	-	4	*
1019.4	+10	W	2	bc	34	95	6	-	-	1	0	2.3	-	0	1
1017.7	+12	WSW	2	bc	34	95	6	-	-	1	0	2.3	-	0	2
1017.8	+8	SW'W	2	b	32	85	7	-	-	-	0	0	-	4	*
1018.5	+2	SW	2	bc	33	95	6	-	-	2	0	4.6	-	1	*
1019.4	+8	-	0	c	28	95	6	-	2	1	0	7.8	-	4	*
1018.5	0	SW	2	bc	30	95	6	-	-	2	0	2.3	-	4	*
1018.9	-2	ESE	3	c	43	95	8	5	-	-	10	10	1500	1	4
1017.5	-2	ENE	1	c.c.	42	95	7	6	2	-	4.6	10	800	1	2
1016.1	-6	SE'E	4	rr	45	95	6	5	-	-	10	10	2500	1	3
1014.5	-8	ESE	4	id.	47	95	4	5	-	-	10	10	1500	1	2
1018.8	0	ESE	1	o/d	43	95	7	5	-	-	10	10	1500	1	3
1017.4	-6	SSE	2	c	43	95	7	5	-	-	9	9	2500	0	1
1017.0	0	S'E	2	bc	34	95	8	-	-	1	0	1	-	1	0
1017.5	+2	SE	2	bc	29	85	7	-	-	6	0	4.6	-	1	*
1016.8	+6	SW'W	3	b	37	85	9	-	-	-	0	0	-	0	*
1016.7	+6	SW	2	b	35	95	7	2	-	-	Tr	Tr	2500	4	*
1016.1	+8	NW	4	bc	36	95	6	-	2	-	0	2.3	-	0	3
1016.0	+10	SSW	1	b	32	85	8	-	-	-	0	0	-	1	*
1013.9	+16	W	2	b	37	85	7	-	-	-	0	0	-	1	2
1013.5	+6	SW	2	bc	37	85	8	5	4	-	2.3	2.3	2500	0	1
1013.5	+6	-	0	bc	31	95	8	4	-	-	4.6	4.6	4000	4	*
1014.2	+6	-	0	bc	33	95	7	8	-	8	1	2.3	2500	1	*
1015.1	+6	SSE	3	c	33	95	7	5	-	-	9	9	1500	6	*
1011.9	-2	WSW	3	bc/pr	39	85	8	5	4	8	1	2.3	2500	1	4
1009.3	-2	SW	1	bc	36	95	8	8	6	-	2-3	4-6	2500	1	1
1013.2	+6	W	1	c	34	85	8	4	4	-	4.6	10	1500	8	*
1012.3	+10	SSW	2	b	33	75	7	5	-	-	1	1	4000	4	1
1009.3	+6	WSW	3	bc	35	75	8	8	6	8	2.3	4.6	2500	6	3
1006.4	+12	NW	4	c/ps.	35	95	8	8	-	-	7.8	7.8	1500	0	*
1011.9	-8	SE	3	c	39	95	8	-	4	-	0	7.8	-	0	3
1012.9	-4	SSW	1	b	36	95	7	5	4	-	Tr	1	1500	1	2
1015.4	-2	ESE	1	b	29	85	7	-	-	1	0	Tr	-	4	*
1015.0	0	W	2	bc	32	85	7	5	3	-	1	2.3	1500	0	1
1013.8	+12	W	1	bc	30	95	8	-	4	-	0	2.3	-	4	*
1010.4	-20	E	4	c	46	85	8	5	2	-	2.3	9+	4000	1	-
1014.3	-12	SE	5	ic.	43	95	7	6	-	-	10	10	1500	1	5

PAST 24 HOURS.

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)
46	29	21	-	Tr	7.1
47	31	26	-	-	6.7
48	28	18	-	0.3	6.7
46	26	19	-	-	7.1
45	28	25	-	-	6.9
46	30	20	-	-	5.2
49	31	*	-	-	*
46	32	27	-	-	7.1
46	28	18	-	-	7.1
45	33	27	-	-	7.3
45	33	31	-	-	7.5
44	31	28	-	-	7.4
43	32	26	-	-	5.9
46	27	18	-	-	*
46	30	22	-	-	6.5
46	40	*	-	-	*
47	40	38	-	0.5	1.9
50	44	*	-	3	*
50	44	*	-	4	1.0
48	43	41	-	1	2.1
49	37	*	-	-	3.7
45	34	27	-	-	6.5
45	29	20	-	-	6.9
42	36	33	-	-	7.2
42	35	27	-	-	6.1
43	35	*	-	-	7.3
43	32	25	Tr	-	7.5
43	36	31	-	-	*
44	36	32	1	-	5.3
44	30	20	0.2	-	7.5
44	32	25	4	0.3	4.6
39	30	27	1	-	4.6
44	31	29	0.2	1	3.7
44	35	*	4	2.7	2.7
36	30	25	7	-	0.5
44	32	23	0.4	-	5.8
42	34	*	6	1	*
40	32	*	5	1	0.6
45	35	*	1	-	*
45	35	*	Tr	0.5	3.2
43	29	23	Tr	Tr	6.9
45	31	*	-	-	*
46	28	16	-	-	4.3
47	34	31	-	0.1	0.5
46	35	*	-	0.1	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations. except Greenwich & Hampstead rainfall, 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	bcb	byc	bchbcm$_{0}$x	46	29	21	-	Tr	7.1	•	•	2
Croydon	217	mbbcz$_{3}$o	bz$_{3}$oy	cbbcx	47	31	26	-	-	6.7	•	•	4
Greenwich (Royal Observatory) ...	149	bmcy	cbyc	c○cbxf	46	28	23	-	Tr	5.4	54	86	3
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	4.3	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	47	30	25	-		5.6	48	97	•
‡Regents Pk. (Botanic Gardens) ...	168	•	•	•	47	31	21	-		5.7	61	95	•
Camden Square	110	b	bc	•	47	32	24	-	-		•	95	•
Kensington	80	bc	bbc	•	47	30	23	Tr	-	6.6	At 18h. 89		•
Hampstead Observatory	450	bc	bc	bcxm	45	31	21	-	Tr	6.4	57	95	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

Max.	Time.	Min.	Time.
1.0	9:21:22h 2nd.	<0.3	2-6h 3rd

Kew Observatory.

Max.	Time.	Min.	Time.
0.5	21h 2nd	0.1	4h 3rd

FOREIGN OBSERVATIONS.

18h. G.M.T. 2nd February

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1016.5	NW	3	bc	43
Brussels	1013.9	WNW	3	bc	36
Berlin	1004.7	W	4	bc	39
Zürich	1018.6	W	3	ir.	46
Rome	1022.2	SE	3	0	50

7h. G.M.T. 3rd February

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1021.5	WNW	2	c	36
1020.4	SW	2	b	30
1009.6	W	6	r.c.	37
1022.3	SW	1	ir	41
1017.0	S	3	c	50

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
54	34	2	-
46	30	5	-
46	36	2	Tr
52	41	3	6
	36	-	2

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.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†Hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 4th February 1933.

No. 26.007

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

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)...	1019·2	-14	SSW	3	c	43	65	6	-	-	6	0	7·8	-
	Croydon ...	1019·7	-8	S'E	3	c	45	55	6	-	-	6	0	9	-
	S. Farnborough	1019·9	-18	SSE	3	c	44	65	7	-	7	8	0	7·8	-
	Winchester ...	1019·5	-19	SSE	4	c	44	75	7	5	3	8	2·3	9	2500
	Boscombe Down	1019·3	-20	SE'S	3	c	42	85	5	5	-	8	7·8	9+	4000
	Calshot, S'thmtn	1019·9	-10	E'S	3	c	43	85	6	5	-	8	7·8	9	4000
	Dungeness ...	*	*	SSW	2	bc	*	*	7	5	-	*	4·6	4·6	1500
	Lympne ...	1020·2	-6	S	2	bc	43	75	8	1	-	8	Tr.	4·6	2500
2	Shoeburyness	1019·7	-4	SSE	2	c	44	75	5	-	-	5	0	7·8	-
	Felixstowe ...	1020·1	-2	S'S	1	bc	44	65	6	-	-	6	0	4·6	-
	Gorleston ...	1019·6	-4	-	0	bc	46	85	6	-	-	1	0	4·6	-
	Cranwell ...	1017·9	-16	SSE	2	c	45	65	6	-	4	6	0	7·8	-
3	Birmingham ...	1018·0	-10	SSE	3	bc	40	75	5	-	1	-	0	4·6	-
	Upper Heyford	1018·7	-14	SSW	1	c	41	75	6	-	-	7	0	10	-
4	Ross-on-Wye ...	1016·9	-12	SSW	2	c	43	65	6	5	7	-	Tr.	10	4000
5	Portland Bill...	1017·4	-8	SE	4	c	45	95	8	4	-	-	10	10	2500
	Plymouth ...	1016·7	-10	SE'E	3	d.	45	95	6	5	2	-	9	10	450
	The Lizard ...	1014·8	-16	SE'E	4	o F	48	95	6	5	-	-	10	10	450
	Scilly (St. Mary's)	1013·9	-4	SW'S	4	F	51	95	6	5	-	-	10	10	150
	Guernsey ...	1017·6	-12	SSE	3	o	45	95	6	5	-	-	10	10	2500
6	Pembroke ...	1015·1	-8	SSE	3	c	44	95	7	8	3	-	7·8	9+	2500
7	Holyhead ...	1014·4	-24	S'E	4	c	43	75	8	5	2	8	2·3	10	4000
	Chester (Sealand)	1016·7	-18	SE'S	3	c	39	75	6	5	-	7	0	9	-
8	L'pool (Bidston)	1015·9	-12	SE	3	c	39	75	6	5	-	8	2·3	9+	800
9	Harrogate ...	1016·5	0	SW	1	bc	41	85	6	5	-	8	2·3	4·6	2500
10	Spurn Head ...	1017·4	+2	SW	2	bc	43	85	6	5	-	8	2·3	4·6	800
	Catterick ...	1015·8	-18	SSW	2	c	43	75	6	-	-	6	Tr.	7·8	2500
	Tynemouth ...	1015·1	-4	S	2	bc	44	65	5	2	-	-	4·6	4·6	2500
11	Inchkeith ...	1013·9	-8	SW	1	c	41	85	7	5	5	9	2·3	7·8	1500
	Leuchars ...	1013·6	-14	SSE	3	c	39	95	6	5	3	-	2·3	7·8	2500
12	Renfrew ...	1013·6	-12	S	2	c	42	85	6	5	7	6	Tr.	9+	4000
	Eskdalemuir ...	1014·3	-22	SSW	3	c	37	95	7	5	-	-	10	10	800
13A	Tiree	1009·7	-24	S'E	5	c	44	75	8	4	1	7	Tr.	10	2500
13B	Stornoway ...	1008·1	-16	S	2	c	42	85	8	8	2	-	7·8	10	1500
15	Dalwhinnie ...	*	-12	W	1	c	35	85	8	4	4	-	4·6	10	800
	Aberdeen ...	1011·8	-10	SW	2	bc	44	65	7	-	3	4	0	4·6	-
	Wick	1009·7	0	SW	3	c	40	85	8	5	7	3	4·6	7·8	4000
16	Lerwick ...	1005·7	-20	SW'ly	5	c/r	40	95	7	5	2	-	4·6	7·8	1500
17	Blacksod Point	1004·9	-40	S	4	rr	41	95	6	6	-	-	10	10	150
18	Malin Head ...	1008·7	-30	E'N	2	c	39	85	8	-	-	7	0	10	-
	Aldergrove ...	1011·7	-30	SE'S	4	cr	40	85	8	-	2	-	0	10	-
	Donaghadee ...	1013·3	-20	SSW	3	c	43	75	7	5	2	-	4·6	7·8	1500
19	Birr Castle ...	1009·2	-26	S	3	rr	43	95	7	6	-	-	10	10	1500
20	Valentia Obsy.	1008·6	+4	S	5	rd	52	95	6	5	-	-	10	10	450
	Roches Point...	1009·9	-22	SE	4	dd	49	95	6	5	-	-	10	10	800

OBSERVATIONS at 18h. G.M.T. 3rd 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)
1017·7	-8	S	3	c	43	75	6	-	7	-	0	9+	-	1	*
1017·1	-12	SSE	3	c	43	75	6	-	7	-	0	9+	-	1	*
1016·6	-12	SSE	3	c	43	85	6	5	-	-	10	10	1500	1	*
1016·6	-10	SSE	4	cd.	42	95	6	5	-	-	10	10	800	1	*
1015·8	-10	SSE	4	r.	41	95	6	5	2	-	7·8	10	1500	1	*
1016·5	-14	SE'E	4	cd.	42	95	6	5	-	-	10	10	800	0	2
*	*	SW	2	c	*	*	6	5	-	*	9	9	1500	2	*
1018·8	-8	SSE	3	c	41	85	6	5	-	-	10	10	7200	1	*
1018·1	-10	SSE	2	c	40	95	8	5	3	-	4·6	9	5700	0	*
1018·5	-10	SSE	4	c	39	95	6	4	7	8	0	10	-	0	3
1018·0	-8	S'E	3	bc	39	85	6	4	7	-	2·3	4·6	2500	0	2
1015·5	-20	SE	3	rr	38	95	5	5	2	-	4·6	10	2500	1	*
1013·6	-20	SSE	3	c/r	40	85	6	-	2	-	0	10	-	1	*
1015·7	-14	S'E	3	c/r	42	85	6	5	7	-	7·8	10	2500	1	*
1013·8	-20	SSW	2	cd.	42	85	6	6	-	-	10	10	2500	1	*
1015·5	-8	SE	4	df	46	95	2	5	-	-	10	10	450	1	4
1014·5	-8	S	2	cd.	49	95	4	5	-	-	10	10	450	1	2
1014·6	0	W'S	5	rF	50	95	1	5	-	-	10	10	450	1	3
1013·7	0	WSW	5	f-	51	95	2	5	-	-	10	10	450	1	3
1016·6	0	SW	3	dd	50	95	5	6	-	-	10	10	1500	1	3
1010·6	-6	SSE	1	rF	47	95	1	5	-	-	10	10	450	1	1
1008·3	-30	S'W	5	d. d.	44	95	6	6	2	-	9+	3·10	800	1	2
1011·1	-32	SSE	4	c/r	39	95	6	5	2	-	4·6	9+	1500	1	*
1010·0	-22	SE'S	4	o/r	38	95	7	6	-	-	10	10	1500	1	*
1012·3	-10	S	2	r.	38	85	5	6	-	-	10	10	2500	1	*
1014·5	-6	S	4	c	39	95	5	5	2	-	4·6	10	800	0	2
1011·5	-28	SE	3	cS	38	85	6	5	2	-	0	10	-	1	*
1011·2	-24	SSW	3	o	40	85	6	6	-	-	10	10	1500	1	2
1008·5	-32	SE	2	rr	40	75	7	6	-	-	10	10	1500	0	1
1008·8	-34	SSE	2	c	38	85	7	6	2	-	0	9+	-	1	*
1006·7	-46	SE	3	r.	37	95	6	6	2	-	2·3	10	1500	1	*
1008·9	-34	S	3	rs	35	95	4	5	-	-	10	10	220	1	*
999·8	-66	SE	6	rr	42	95	6	6	2	-	9+	10	800	1	5
1002·0	-22	S	4	cr	39	95	7	6	2	-	10	10	800	1	2
1006·0	-42	S	3	cr	35	85	6	4	-	-	10	10	800	7	*
1007·0	-36	SSW	3	c	39	85	6	-	7	-	0	9+	-	1	1
1004·8	-22	SSW	3	c	40	85	8	8	1	-	7·8	10	2500	1	2
1003·7	-12	SW	4	phr	40	95	7	9	-	-	9+	9+	800	1	*
1001·2	-12	SW'S	4	Dr	51	95	6	6	-	-	10	10	450	1	4
999·2	-50	S	4	c/pr	44	95	7	8	1	-	9	9+	800	1	2
1003·8	-36	SSE	5	cr	44	95	6	6	2	-	7·8	10	800	1	*
1006·3	-34	S	5	rr	43	95	7	6	-	-	10	10	800	1	3
1004·5	-8	S	1	o	52	95	7	6	-	-	10	10	2500	1	*
1007·1	-6	S'W	5	cr	53	95	5	5	-	-	10	10	220	1	4
1008·5	+4	SE	3	c	50	95	7	3	-	-	9	9	1500	1	5

PAST 24 HOURS. WEATHER.

7h.–13h. 3rd (37)	13h.–18h. 3rd (38)	18h. 3rd to 1h. 4th (39)	1h.–7h. 4th (40)
bfc3.	c3.	c3.orr	cirf.
mbcc3.	c3.	c3.r.r.	crcrid.
bcxfcbc	bccm.	corr	orrd.
cm.xc	cod.	orrfmd.	om.d.
cm.	cir.r.	crrd.	cid.
cfcm.	cid.	orrd.f	od.d.fidm.
b	bc	*	r
cubc	bcc	corrFF	rrFdof
bmbc3.	bc3	cr3.r.	c
bm.xbbc3.	bc3.cm.	cor.r.rr	orr.r.c
bcm.m.	bcm.m.	cor.r.	or.r.q
xbm.c	cm.cr	crm.	cr.c
bc	cir.	coir	oc
bcxf	cm.ir.	coir	oic
cmc	cod.	d.r.d.q.	oc
oc	od.f	Rfff	f o3.
cr.r.m.d.	od.d.m.	omd d.d.	od.d.dm.
rd.R.f	F.f.r.r	fr.Ff	ifdo
omd.ff	ff.id.	ffifc	omd
ocd.d.	d.ido	oid	oid
ccd.m	oqir.ffa	cqir.fc	r.r.fedfc
bbcc	rr.R.m.	ir.r.m.	r.o.m.
c.x.m.	rr	cr.r.	r.r.c.v
bxcmo	codro	oirc	orirc
bbc	bcor.	ocrr.	cr.r.
bcz	bcc3	orrir	opre
b.x.bc	bcc3.ofv	ohcpr	cbc
bcm	bco	air.q	o
bcc	crp	r.r.d.o	od.f.c
bxbcm.	bcc.m.	c.r.r.c	c.b.b.c
bxbcfc	cm.r.r.	r.r.o.r.r	om.r.r
ofcc	cors	Df	orrc
bccjp.	cRR	rRrr	oidd.
bcc	cpr.	crrid.	cid.
c	c	*	rr
bcc3.bc	bcc3.	prsrr	oirc
bcc	c	cr.r	c
cur	cphr	cphrir.	bepr.
rr	dr	dr	rr
bco	ocrr	cid.r	c.d.r.d.r
bxc	cr.r.rm.	cr.m.	cr.r.
bbcc	corrq	orrc	c
bcorr	orro	orr	or.r.
cvccd.	cocd.cr.	ric.c.c	oir.o
crodd	odorc	codd	oid odd

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, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—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 1/10 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
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.

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.*

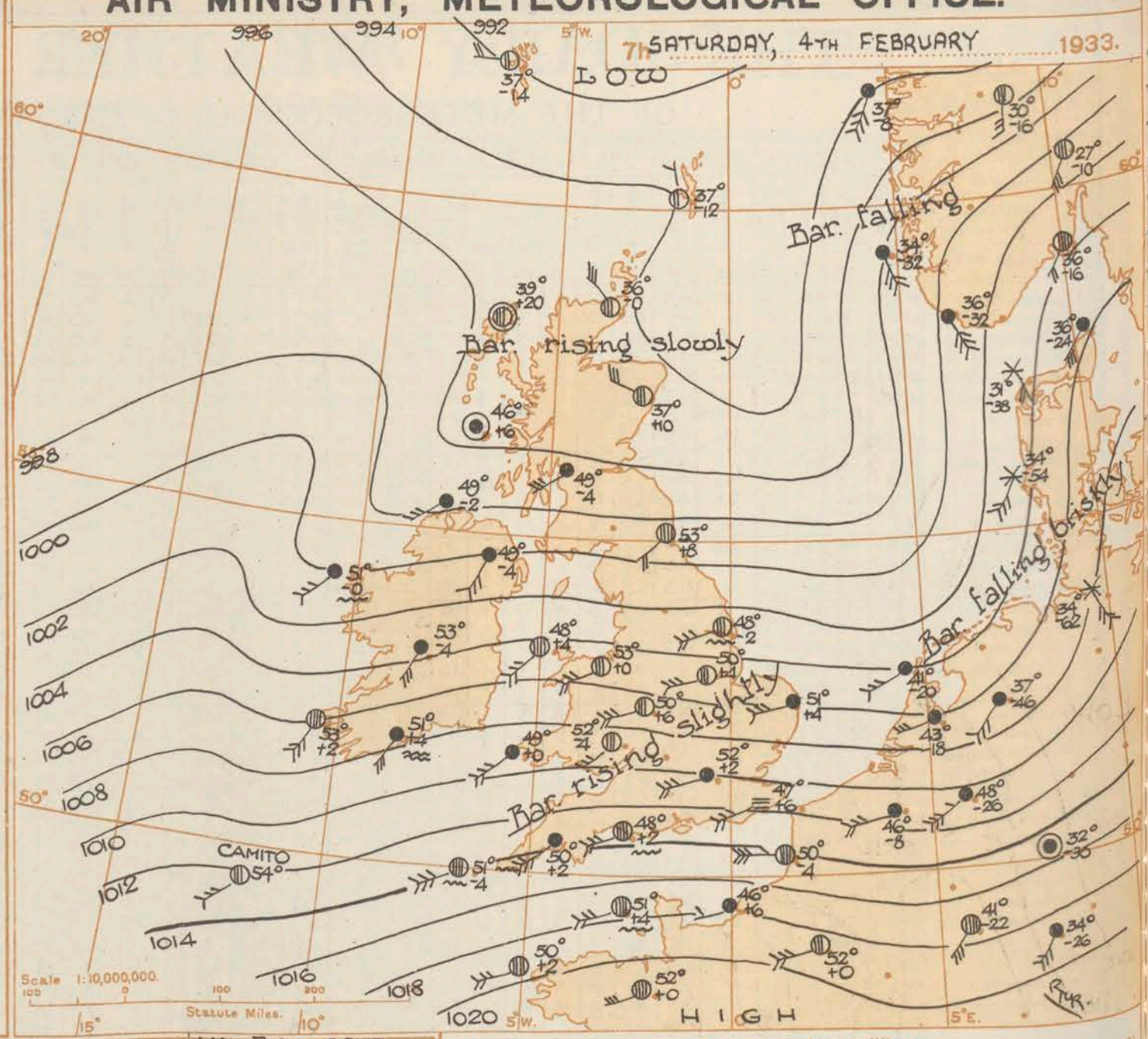
REPORTS from HEALTH RESORTS for 3rd February 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 2nd to 9h. 3rd	Temperature. Max. 9h.—17h. 3rd	Rainfall. Night. 17h. 2nd to 9h. 3rd	Rainfall. Day. 9h.—17h. 3rd	Sunshine. Sunrise to Sunset. 3rd
1	Tunbridge W.	bbc	bcc	25	45	-	-	4·0
	Bournemouth	o	o	31	45	-	-	0·0
	Ventnor ...	co3	o3	37	46	-	-	0·7
	Southsea ...	bf	cod°	32	46	-	Trace	0·2
	Bognor Regis	bc.bc	bc°	32	45	-	-	2·1
	Littlehampton	bc	bcc	29	46	-	-	2·4
	Worthing ...	bc	bcc	30	46	Trace	-	2·8
	Brighton ...	fbbc	bcc	32	45	-	-	3·7
	Eastbourne†	bbc	bco	31	45	-	-	4·6
	Hastings† ...	bzbcc	bcc	35	47	Trace	-	4·6
	Folkestone ...	xbm°	bbcc	33	45	-	-	5·0
	Dover... ...	bbc	bccp	33	45	-	-	5·57
	Deal	b	bbc	33	45	-	-	5·3
	Ramsgate ...	b	bbc	34	45	Trace	-	5·8
	Margate ...	bc	bcc	35	46	-	-	5·6
2	Southend ...	b	bcco	33	47	Trace	-	5·3
	Maldon ...	xmb	bbcc	28	45	-	-	4·2
	Clacton-on-Sea	bcxbc	bcc	31	44	-	-	5·9
	Dovercourt ...	xbc	bcc	32	45	-	-	6·0
	Lowestoft ...	bm°b	bbcm°	32	46	-	-	6·5
	Skegness ...	b	bcom°	32	42	Trace	-	4·8
	Mablethorpe	bcxm°	com	30	45	Trace	-	5·5
	Cleethorpes ...	b	b	33	47	Trace	-	5·2
3	Leamington S.	bbc	com	28	45	-	-	0·8
4	Cheltenham†	cmxbc	com°	28	43	-	-	0·6
5	Bath	cbcc	c	29	45	-	-	0·5
	Weymouth ...	c	ccd°	32	45	-	0·1	0·0
	Jersey ...	rc	cdm°c	42	49	3	0·4	0·0
	Torquay ...	r°po	odm	38	46	1	0·4	0·0
	Penzance ...	rom	r°	48	52	3	2	0·0
	St. Ives ...	o	p	43	45	3	0·6	0·0
	Bude	odo	od	35	48	Trace	0·3	0·0
	Ilfracombe ...	o	oe	37	47	-	-	0·0
6	Aberystwyth	bccex	ccirc	33	45	-	1	0·0
7	Llandudno ...	c	cror°	34	43	-	2	0·0
	Colwyn Bay...	bcc	croor	35	43	-	0·6	0·0
	Rhyl	bbcc	corr	30	42	-	3	0·4
8	Wallasey ...	xfbc	bcor	34	41	-	3	0·6
	Southport‖ ...	bcco	orr	34	41	-	3	0·9
	Blackpool ...	co	or	35	41	-	0·6	0·5
	Morecambe ...	cbbc	cbcro	34	43	-	0·3	2·0
9	Ilkley... ...	bcm	bc	31	44	-	-	1·6
10	Berwick-on-T.	bc	bccp	33	42	-	-	4·8
11	Dunbar ...	bcx	bc	34	45	-	-	4·1
12	Troon... ...	roc	coor	38	43	Trace	0·6	1·3
	Douglas ...	bcxcb	comr	34	43	-	3	0·7

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h SATURDAY, 4TH FEBRUARY 1933.



FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 4th Feb. 1933.

Districts.	Forecasts for the 24 hours commencing 12 noon, G.M.T.
1. S.E. England 2. E. England... 3. E. Midlands	Wind southwest, fresh, strong locally; dull or cloudy; occasional drizzle; mist or fog locally on South Coast; mild.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Wind southwest, fresh or strong; dull or cloudy; occasional drizzle or rain; coastal mist or fog; mild.
8. N.W. England 9. N. Midlands	Wind southwest, fresh; dull or cloudy; occasional drizzle; mild.
10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Wind mainly southwest, moderate or fresh; dull or cloudy; occasional rain; mainly mild.
13. {A. W. Scotld. B. N.W. Scotland	Wind light variable to fresh southwesterly; dull or cloudy; occasional rain; mainly mild. As 15 - 16.
14. Mid-Scotland	As 13A.
15. N.E. Scotland 16. Orkneys and Shetlands.	Wind westerly or variable, light to fresh; variable cloud; showers or local rain or sleet; rather cold today, perhaps milder later.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind south or southwest, fresh or strong; dull or cloudy; occasional drizzle or rain; perhaps brighter tomorrow; mild.

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

Barometer. Isobars are drawn for intervals of two millibars.
Wind. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◎ Temperature is given in degrees F.
Weather Symbols :— ○ Clear sky. ◔ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 5/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✳ Snow. ✳ Sleet ▲ Hail ≡ Fog. ≡ Mist. T Thunder. ⊼ Thunderstorm.
Sea Disturbance. ~~ Rough. ≈≈ High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

Pressure continues high over Southern Europe and low off the North Norwegian coast. A depression on the Atlantic will move north-east. Weather will be mild and cloudy in practically all districts, with drizzle or occasional rain locally; but in Northern Scotland weather and temperature will be changeable.

FURTHER OUTLOOK.

Rather unsettled; mainly mild in the South, changeable temperature in the North.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

Forecasts issued at 1015 G.M.T.

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 4th February 1933.

No. 26.007

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

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	1011·4	-16	SW	3	r.r.	47	95	7	6	2	-	7-8	10	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8	1012·9	-8	SW	4	df	47	95	3	5	-	-	10	10	450
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1013·2	-30	SW	4	rF	45	95	1	5	-	-	10	10	<150
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1008·9	-44	S'W	4	r.r.	41	95	6	6	-	-	10	10	800
	Cranwell ...	240	1008·3	-22	SW	4	ir.	45	95	6	6	2	-	7-8	10	800
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1013·3	-2	WSW	5	f	48	95	2	5	-	-	10	10	<150
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1015·7	0	W'S	6	dF	49	95	1	5	-	-	10	10	220
	Scilly(St.Mary's)	163	1014·7	+2	WSW	5	o/f	50	95	4	5	-	-	10	10	1500
	Guernsey ...	175	1016·8	0	W	5	o/d	49	95	5	5	-	-	10	10	1500
6	Pembroke ...	142	1010·4	-6	WSW	6	q	48	95	4	8	-	-	10	10	1500
7	Holyhead ...	26	1006·3	-8	SW	5	u	49	95	6	6	-	-	9+	9+	450
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1005·1	-12	WSW	5	ir.	41	95	6	6	2	-	4-6	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1001·3	-28	WSW	3	0	41	95	6	6	-	-	10	10	1500
11	Inchkeith ...	190	997·3	-42	WSW	2	df	39	95	3	6	-	-	10	10	800
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	993·4	-30	E	1	id.	39	95	6	9	2	-	7-8	10	800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	994·4	-50	SSW	5	c	37	95	8	9	2	-	7-8	10	1500
16	Lerwick ...	54	997·9	-20	WSW	3	ir.	38	95	7	6	2	-	7-8	10	1500
17	Blacksod Point	18	1001·0	-4	W	5	DR	51	95	6	6	-	-	10	10	<150
18	Malin Head ...	52	997·8	0	W'S	3	dr	48	95	7	8	2	-	9	10	800
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1005·6	0	SW	5	DR	52	95	4	6	-	-	10	10	800
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)...	1010·4	+4	~~NSW~~ SSW	4	ir.	51	95	7	6	2	-	4-6	10	2500	1	*
	Croydon ...	1010·3	+2	WSW	5	id.	52	95	7	5	2	-	4-6	10	800	1	*
	S. Farnborough	1010·8	+2	WSW	5	d.d.	51	95	7	6	-	-	10	10	800	1	*
	Winchester ...	1012·1	+4	SW	4	d.d.	50	95	6	6	-	-	10	10	220	1	*
	Boscombe Down	1011·8	+12	WSW	4	id.	50	95	7	6	2	-	9	10	800	1	*
	Calshot,(S'thmtn)	1012·7	+4	SW	4	id.	48	95	6	5	-	-	10	10	450	1	2
	Dungeness ...	*	*	SW	5	cf	*	*	3	3	-	*	10	10	800	*	4
	Lympne ...	1011·8	+6	SW'W	5	of	47	95	3	5	-	-	10	10	<150	1	*
2	Shoeburyness	1009·4	0	SW	5	c	51	95	7	5	-	-	9	9	800	1	*
	Felixstowe ...	1008·1	+4	WSW	4	c	52	95	7	5	-	-	10	10	800	1	3
	Gorleston ...	1006·0	+4	WSW	4	ir.	51	95	6	6	-	-	10	10	1500	1	3
	Cranwell ...	1004·4	+4	WSW	4	c	50	95	7	5	-	-	9+	9+	1500	1	*
3	Birmingham ...	1007·4	+6	WSW	5	c	50	95	8	5	7	-	7-8	9+	1500	1	*
	Upper Heyford	1008·6	0	SW	6	o	49	95	8	6	-	-	10	10	450	1	*
4	Ross-on-Wye ...	1008·7	-4	SW	3	c	52	85	8	8	2	-	9+	10	2500	1	*
5	Portland Bill...	1012·6	+2	W'S	5	o	48	95	6	5	-	-	10	10	1500	1	4
	Plymouth ...	1013·3	+2	SW	5	id.	50	95	6	5	-	-	10	10	450	1	3
	The Lizard ...	1015·1	+2	WSW	6	o	50	95	6	5	-	-	10	10	1500	1	4
	Scilly(St.Mary's)	1014·0	-4	SW'W	6	o	51	95	5	5	-	-	10	10	2500	1	4
	Guernsey ...	1016·9	+4	W'S	5	o/d	51	95	6	5	-	-	10	10	1500	1	4
6	Pembroke ...	1008·5	0	SW	5	df	49	95	2	5	-	-	10	10	220	1	3
7	Holyhead ...	1005·8	+4	SW	5	o	48	95	5	5	-	-	10	10	220	1	2
	Chester (Sealand)	1004·2	0	WSW	5	c	53	75	8	5	2	1	4-6	9+	2500	1	*
8	L'pool (Bidston)	1004·1	0	WSW	4	c	50	85	8	5	-	-	7-8	7-8	1500	2	*
9	Harrogate ...	1002·6	0	SW	3	ir.	50	95	7	6	2	-	9	10	2500	1	*
10	Spurn Head ...	1002·5	-2	WSW	5	c	48	95	6	5	2	-	4-6	10	1500	1	4
	Catterick ...	1000·0	0	W'S	4	c	52	85	8	8	1	-	4-6	7-8	1500	1	*
	Tynemouth ...	998·9	+8	SW	2	o	53	85	8	6	-	-	10	10	1500	1	2
11	Inchkeith ...	996·0	0	WSW	4	c	48	95	8	5	-	-	9+	9+	1500	1	3
	Leuchars ...	995·7	+2	W	3	c	47	95	8	8	-	6	2·3	7-8	2500	1	*
12	Renfrew ...	997·6	-4	SW	3	rr	49	95	6	6	-	-	10	10	800	2	*
	Eskdalemuir ...	997·8	-2	WSW	6	c	48	95	7	5	1	-	7-8	10	800	1	*
13A	Tiree	995·5	+6	-	0	d.d.	46	95	5	5	-	-	10	10	800	1	3
13B	Stornoway ...	995·9	+20	-	0	c	39	95	7	8	6	-	4-6	9+	1500	1	1
15	Dalwhinnie ...	996·6	+2	W	1	c	42	85	7	4	2	-	4-6	10	800	3	*
	Aberdeen ...	994·6	+10	WNW	3	c	37	95	5	6	7	-	2·3	10	2500	1	1
	Wick	994·2	0	NW	3	c	36	95	8	8	2	-	7-8	10	1500	1	3
16	Lerwick ...	993·9	-12	NNW	1	bc	37	95	8	5	1	-	2·3	4-6	1500	1	*
17	Blacksod Point	1000·3	0	SW	4	rr	51	95	6	6	-	-	10	10	-	2	4
18	Malin Head ...	997·5	-2	WSW	3	Dr	49	95	5	8	2	-	9	10	800	2	1
	Aldergrove ...	1000·1	-4	SSW	4	ir.	49	95	7	5	-	-	10	10	1500	1	*
	Donaghadee ...	1000·0	-4	SW	1	c	51	95	7	5	-	-	9+	9+	1500	1	1
19	Birr Castle ...	1002·9	-4	SW	3	r.r.	53	95	7	6	-	-	10	10	1500	1	*
20	Valentia Obsy.†	1007·2	+2	SSW	5	o	53	95	6	5	-	-	10	10	1500	1	-
	Roches Point...	1008·4	+4	SW	3	dd	51	95	6	5	-	-	10	10	800	1	5

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 3rd Hrs. (36)
1	London (Kew)...	45	43	41	-	3	0·9
	Croydon ...	46	43	42	-	3	3·3
	S. Farnborough	45	42	41	-	5	2·1
	Winchester ...	45	42	39	Tr.	2	0·8
	Boscombe Down	43	41	40	Tr.	2	0·3
	Calshot,(S'thmtn)	43	42	41	Tr.	3	0·0
	Dungeness ...	46	39	*	-	2	*
	Lympne ...	44	41	39	-	4	4·9
2	Shoeburyness	46	39	38	-	3	5·5
	Felixstowe ...	44	39	36	-	3	6·2
	Gorleston ...	46	38	35	-	2	6·1
	Cranwell ...	45	36	36	0·2	2	4·8
3	Birmingham ...	42	39	38	0·3	3	1·3
	Upper Heyford	43	39	39	Tr.	4	*
4	Ross-on-Wye ...	43	42	40	0·1	2	0·0
5	Portland Bill...	46	45	*	0·2	4	*
	Plymouth ...	49	48	48	1	1	0·0
	The Lizard ...	51	49	*	3	1	*
	Scilly(St.Mary's)	52	49	*	2	1	0·0
	Guernsey ...	51	49	48	1	1	0·0
6	Pembroke ...	47	46	*	3	3	0·0
7	Holyhead ...	45	44	43	6	3	0·0
	Chester (Sealand)	40	39	37	3	3	0·3
8	L'pool (Bidston)	39	38	37	4	5	1·2
9	Harrogate ...	42	38	35	0·1	3	3·5
10	Spurn Head ...	45	38	*	-	2	5·1
	Catterick ...	43	37	35	0·4	0·3	5·0
	Tynemouth ...	45	38	35	-	2	*
11	Inchkeith ...	43	37	36	Tr.	2	3·0
	Leuchars ...	42	35	34	-	2	2·4
12	Renfrew ...	42	36	35	1	17	0·8
	Eskdalemuir ...	38	33	32	0·2	7	0·0
13A	Tiree	44	42	41	3	5	0·6
13B	Stornoway ...	43	37	*	0·6	4	0·9
15	Dalwhinnie ...	36	32	32	Tr.	6	0·9
	Aberdeen ...	45	35	33	-	4	3·6
	Wick	40	35	*	-	2	*
16	Lerwick ...	41	37	*	2	2	0·1
17	Blacksod Point	52	39	*	2	9	*
18	Malin Head ...	44	44	*	5	7	0·0
	Aldergrove ...	44	43	42	4	0·5	0·0
	Donaghadee ...	44	42	*	3	1	*
19	Birr Castle ...	52	52	50	4	4	0·0
20	Valentia Obsy.†	54	51	51	0·5	8	0·0
	Roches Point...	51	50	*	4	3	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 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	bfc3.	c3.	c3.rrcic	45	43	41	-	3	0·9	*	*	6
Croydon	217	mbcc3.	c3.	c3.rrcid.	46	43	42	-	3	3·3	*	*	7
Greenwich (Royal Observatory) ...	149	bfc	c⊕c	cidrrdc	47	43	40	-	4	2·3	66	87	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·3	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	46	44	41	4		0·7	58	87	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	53	31	41	5		0·5	61	87	*
Camden Square	110	xcfc	bc	*	43	43	41	2	3	*	*	88	*
Kensington	80	bcm	bbc3	*	46	44	40	-	4	0·8	At 18h. 89		*
Hampstead Observatory	450	bcm	or	or	44	41	38	0·5	4·1	0·5	68	94	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
1·3	10+11h 3rd	Nil	0-6h 4th

Kew Observatory. Max.	Time.	Min.	Time.
0·6	11h 3rd	<0·1	1-6h 4th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 3rd February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 4th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1021·0	SSE	2	o/r	45	1018·1	WSW	5	c	52
Brussels	1021·4	-	0	c	36	1011·5	SW'W	5	ir.	46
Berlin	1018·8	WNW	4	c	41	1015·9	S	3	c	32
Zürich	1024·4	SSE	1	c	41					
Rome	1018·2	S	2	bc	54	1024·5			b	39

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
46	45	Tr	0·4
45	32	-	4
45	32	Tr	-
48		0·1	
57	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	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.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 5th February 1933.

No. 26.008

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

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)	1012·3	+2	SSW	4	dd	53	95	5	5	–	–	10	10	1500
	Croydon	1012·6	+10	W'S	5	$d_o d_o$	54	85	6	5	–	–	10	10	800
	S. Farnborough	1012·9	+8	WSW	4	dd	53	95	6	6	–	–	10	10	800
	Winchester	1013·3	+4	SW	4	o/r_o	53	85	7	5	–	–	10	10	800
	Boscombe Down	1013·1	+6	WSW	6	c	54	85	7	5	–	–	10	10	800
	Calshot, S'thmtn	1014·5	+14	SW	5	o	51	95	6	5	–	–	10	10	800
	Dungeness	*	*	SW	5	o	*	*	4	6	–	*	10	10	800
	Lympne	1013·6	+2	WSW	5	o	50	95	6	5	–	–	10	10	450
2	Shoeburyness	1011·3	0	SW	4	c	53	85	7	5	–	–	9+	9+	1500
	Felixstowe	1010·2	+12	SW	4	c	52	85	6	5	–	–	10	10	1500
	Gorleston	1007·1	−4	SW	4	c	54	95	6	6	–	–	9+	9+	2500
	Cranwell	1005·6	+2	SW	6	c	55	85	7	5	–	–	10	10	2500
3	Birmingham	1009·4	+6	WSW	4	c	54	85	8	6	–	–	9+	9+	1500
	Upper Heyford	1010·4	+6	SW	6	c	53	85	8	5	1	–	9+	10	800
4	Ross-on-Wye	1010·5	0	W'S	5	q	54	85	8	8	–	8	9	9+	2500
5	Portland Bill	1015·5	+6	WSW	6	$d_o d_o$	49	95	5	5	–	–	10	10	1500
	Plymouth	1016·6	+6	SW	4	$d_o d_o$	51	95	6	5	–	–	10	10	450
	The Lizard	1016·8	0	SW'W	5	$i d_o$	50	95	6	5	–	–	10	10	2500
	Scilly (St. Mary's)	1015·8	+4	SW'W	5	$i d_o$	51	95	5	5	–	–	9+	9+	1500
	Guernsey	1018·9	+2	WSW	5	$i d_o$	51	95	5	5	–	–	10	10	1500
6	Pembroke	1012·3	+10	SW	5	q	49	95	6	5	–	–	10	10	800
7	Holyhead	1007·4	+8	SW	6	o/s	50	95	6	5	–	–	10	10	450
	Chester (Sealand)	1007·0	+12	S'W	3	c	55	85	9	5	1	–	7-8	9+	1500
8	L'pool (Bidston)	1005·5	+6	W'S	4	c	53	85	9	5	–	7	4-6	10	2500
9	Harrogate	1001·7	0	W'S	7	$i r_o$	52	95	8	6	–	8	7-8	7-8	2500
10	Spurn Head	1003·5	0	W'S	5	c	53	85	6	5	2	–	4-6	9+	1500
	Catterick	999·2	−26	WSW	7	c/pr_o	55	75	9	1	4	7	2-3	10	2500
	Tynemouth	999·9	0	W	3	o	55	85	7	6	–	–	10	10	1500
11	Inchkeith	998·7	+8	WSW	3	$i r_o$	49	95	6	6	–	–	10	10	1500
	Leuchars	998·4	+4	WSW	3	$i r_o$	51	95	7	5	7	7	1	10	1500
12	Renfrew	999·0	+4	SW	3	$r_o r_o$	50	95	6	6	2	–	7-8	10	800
	Eskdalemuir	1000·3	+10	SW	5	rr	48	95	6	6	–	–	10	10	220
13A	Tiree	997·3	0	SSW	3	o/d	49	95	4	5	–	–	10	10	1500
13B	Stornoway	997·6	0	–	0	c	41	95	8	8	6	–	4-6	9+	1500
15	Dalwhinnie	998·4	+6	W	2	c	42	95	7	4	4	–	4-6	10	1500
	Aberdeen	998·4	+12	NNW	2	c	41	95	7	5	7	–	7-8	9+	1500
	Wick	997·8	+8	WNW	2	c	40	95	8	5	1	–	7-8	9	2500
16	Lerwick	995·7	−2	WSW	1	c	43	95	8	5	7	–	4-6	7-8	1500
17	Blacksod Point	1000·1	−4	SW	6	iD	53	95	7	6	–	–	10	10	<1500
18	Malin Head	998·5	+6	SW	3	$d_o r_o$	51	95	7	8	2	–	9	10	450
	Aldergrove	1001·7	+6	SSW	4	$r_o r_o$	51	95	6	6	–	–	10	10	450
	Donaghadee	1001·4	+8	WSW	3	$i d_o$	54	95	6	5	–	–	9	9	1500
19	Birr Castle	1005·2	+2	SW	3	$d_o d_o$	54	95	7	5	–	–	10	10	1500
20	Valentia Obsy.	1007·4	−8	S	5	$i d_o$	52	95	6	5	–	–	10	10	450
	Roches Point	1009·3	+4	SW	4	$i d_o$	51	95	6	5	–	–	10	10	800

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

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1013·5	+10	SW'W	4	c	52	85	6	5	–	–	10	10	2500	1	*
	Croydon	1013·3	+10	SW'W	4	c	52	85	6	6	2	–	9	10	1500	1	*
	S. Farnborough	1013·9	+10	SW'W	5	$i d_o$	51	95	6	5	–	–	10	10	800	1	*
	Winchester	1014·1	+6	SW	5	$i r_o$	50	95	7	5	–	–	10	10	800	1	*
	Boscombe Down	1014·1	+6	SW	3	c	50	95	7	5	–	–	9+	9+	800	1	*
	Calshot, S'thmtn	1015·5	+6	SW	6	dd	48	95	5	5	–	–	10	10	450	1	3
	Dungeness	*	*	SW	5	$d_o d_o$	*	*	4	6	–	*	10	10	800	*	3
	Lympne	1015·1	+14	SW'W	5	o	49	95	6	5	–	–	10	10	800	1	*
2	Shoeburyness	1013·1	+12	SW	4	c	51	95	7	5	–	–	9+	9+	1500	1	*
	Felixstowe	1011·8	+18	SW'W	4	c	53	75	6	5	1	–	4-6	9	1500	0	2
	Gorleston	1008·8	+6	SW	4	c	54	85	7	5	1	–	2-3	10	2500	0	3
	Cranwell	1007·1	+8	SW	6	c	53	85	7	5	1	–	9	10	1500	1	*
3	Birmingham	1009·4	+4	WSW	4	c	51	85	8	6	1	–	4-6	7-8	1500	1	*
	Upper Heyford	1012·0	−2	SW	6	$i r_o$	49	95	7	6	2	–	9+	10	450	1	*
4	Ross-on-Wye	1011·1	0	WSW	4	$i d_o$	51	85	7	8	–	–	10	10	2500	1	*
5	Portland Bill	1015·6	+8	WSW	5	dd	48	95	5	5	–	–	10	10	1500	1	4
	Plymouth	1015·2	−4	SW	6	$d_o d_o$	49	95	6	5	2	–	9+	10	220	1	4
	The Lizard	1015·6	−2	SW'W	5	o	50	95	7	5	–	–	10	10	2500	1	3
	Scilly (St. Mary's)	1013·8	0	SW	5	o	51	95	5	5	–	–	10	10	1500	1	4
	Guernsey	1017·9	−6	SW	4	o	49	95	7	5	–	–	10	10	2500	1	4
6	Pembroke	1010·8	−4	SW	5	$i d_o$	49	95	6	5	–	–	10	10	450	1	3
7	Holyhead	1006·9	0	SW'S	6	o	49	95	5	5	–	–	10	10	220	1	3
	Chester (Sealand)	1006·6	−6	SW'W	7	$i d_o$	53	95	8	6	1	–	7-8	9+	800	1	*
8	L'pool (Bidston)	1006·6	+4	SW'W	5	c	50	85	8	5	1	–	4-6	10	2500	1	*
9	Harrogate	1003·4	+10	SW	5	$i r_o$	51	95	7	6	2	–	9	10	2500	1	*
10	Spurn Head	1004·9	+4	WSW	5	c	51	95	6	5	2	–	2-3	9+	1500	0	3
	Catterick	1001·3	+26	SW	4	c	51	85	8	5	1	6	1	7-8	1500	1	*
	Tynemouth	1001·2	+8	W	3	o	55	85	6	6	–	–	10	10	1500	1	2
11	Inchkeith	998·2	−4	SW	2	rr	49	95	7	6	–	–	10	10	800	1	2
	Leuchars	998·8	+6	NNE	2	rr	43	95	6	6	2	–	4-6	10	800	1	*
12	Renfrew	999·0	−2	SW	4	$r_o r_o$	50	95	6	6	2	–	9	10	800	2	*
	Eskdalemuir	1000·7	+2	SW'W	4	rr	48	95	6	6	–	–	10	10	220	1	*
13A	Tiree	995·4	−12	S'W	4	rr	48	95	6	6	–	–	10	10	1500	1	3
13B	Stornoway	996·0	−8	–	0	c	41	95	8	8	6	–	7-8	10	1500	1	0
15	Dalwhinnie	997·6	−4	S	3	$i r_o$	44	95	7	4	2	–	4-6	10	800	3	*
	Aberdeen	998·7	+2	–	0	c	39	95	6	5	2	–	4-6	10	1500	1	1
	Wick	997·8	0	NW	2	c	39	85	8	5	1	–	7-8	9+	2500	1	2
16	Lerwick	996·2	+6	WSW	3	c	40	95	8	8	8-	8	4-6	9+	1500	1	*
17	Blacksod Point	998·3	−12	SW	6	iD	50	95	7	6	–	–	10	10	<150	1	5
18	Malin Head	996·7	−12	SW	3	Dr	50	95	4	8	2	–	9	10	450	2	1
	Aldergrove	1001·1	−4	SW'S	4	o	50	95	7	5	–	–	10	10	450	1	*
	Donaghadee	1000·3	−4	WSW	3	$i d_o$	53	95	7	5	–	–	9+	9+	1500	1	2
19	Birr Castle	1003·6	−12	SW	3	$i d_o$	53	95	7	6	2	–	2-3	10	1500	1	*
20	Valentia Obsy.	1004·1	−14	S	5	o/r_o	52	95	6	5	–	–	10	10	800	1	4
	Roches Point	1007·9	−6	SW	4	$d_o d_o$	51	95	6	5	–	–	10	10	800	1	5

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. 4th (37)	13h.–18h. 4th (38)	18h. 4th to 1h. 5th (39)	1h.–7h. 5th (40)
1	London (Kew)	$cm_o d$	cm_o	$cm_o o$	cpr_o
	Croydon	ccd_o	$cd_o m_o$	$cm_o ir_o$	cir_o
	S. Farnborough	$id_o vc$	$odcid_o$	$oid_o m_o$	$cm_o c$
	Winchester	$od_o m_o r_o$	$or_o c$	$cod_o d_o m_o$	$cr_o c$
	Boscombe Down	$oid_o m_o$	c	oir_o	oir_o
	Calshot, S'thmtn	om_o	$od_o ddm_o$	$od_o dq$	$oid_o r_o r_o q$
	Dungeness	d	o	*	d
	Lympne	$d_o fom_o$	com_o	orrffdd_o	$od_o dfff r$
2	Shoeburyness	c	$cr_o c$	c	cbc
	Felixstowe	$c3_o$	$c3_o$	$c3_o cid_o$	cid_o
	Gorleston	$oir_o cq$	cq	cq	ocq
	Cranwell	c	c	c^2	c
3	Birmingham	oc	c	cpr_o	c
	Upper Heyford	ocq	$cq r_o$	$cr_o q$	$cr_o q$
4	Ross-on-Wye	cq	$cqcd_o$	$od_o q$	$pqcq$
5	Portland Bill	odm_o	ddm_o	od_o	$od_o 3_o$
	Plymouth	$ocm_o d_o d_o$	$cm_o d_o d_o id$	$oddm_o$	$oddid_o m_o$
	The Lizard	oem	oifd$_o$	oidm$_o$	idoq
	Scilly (St. Mary's)	$omcid_o$	$oid_o m$	$id_o im$	oimc
	Guernsey	oid_o	oid_o	obcc	oro
6	Pembroke	$cqid_o ffsm_o$	$cffcqmid_o$	$cqid_o ffo$	$cqfid_o m_o c$
7	Holyhead	$om_o ifo$	$om_o qo$	$id_o m_o qo$	$ocm_o q$
	Chester (Sealand)	cv	cvd_o	$cd_o v$	$cd_o v$
8	L'pool (Bidston)	o	c	cbcc	$qcq_o pr$
9	Harrogate	$cqir_o$	$cqir_o$	$cqir_o$	cqrr
10	Spurn Head	bc	bc	c	bc
	Catterick	$bccpr_o$	$cvbc$	$bcqcd_o$	$cqcr_o$
	Tynemouth	om	oq	o	obcc
11	Inchkeith	cir	rro	crr	$cpr_o q$
	Leuchars	$bccir_o$	$cir_o m_o$	$corrm_o$	$orrbcq$
12	Renfrew	$cm_o r_o$	$cr_o r_o m_o$	$cr_o r_o rr$	$cr_o r_o rr$
	Eskdalemuir	crr	orr	oirf	orm
13A	Tiree	odrff	$omdrr$	oRR	riRo
13B	Stornoway	c	c	$cddm_o$	$cddrrm_o$
15	Dalwhinnie	ir	cc	*	rr
	Aberdeen	$cofm_o c$	ccm_o	$orrm_o$	$ocpr_o$
	Wick	c	c	$cr_o rr$	crr
16	Lerwick	bcc	cpr	cid_o	c
17	Blacksod Point	iD	iD	PRcq	prcq
18	Malin Head	$cid_o r_o$	cDrdr	cir	cirr
	Aldergrove	or_o	or_o	or	$orr_o r_o$
	Donaghadee	$cid_o m_o$	cid_o	$cid_o c$	cid_o
19	Birr Castle	$r_o o d_o d_o$	cid_o	c	irc
20	Valentia Obsy.	$oidrd_o$	$oid_o ir_o$	$irid_o ddp_o$	cpr_o
	Roches Point	oid_o	$od_o d_o$	$od_o d_o$	$od_o c$

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, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—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 $\frac{1}{10}$ 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
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.

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.*

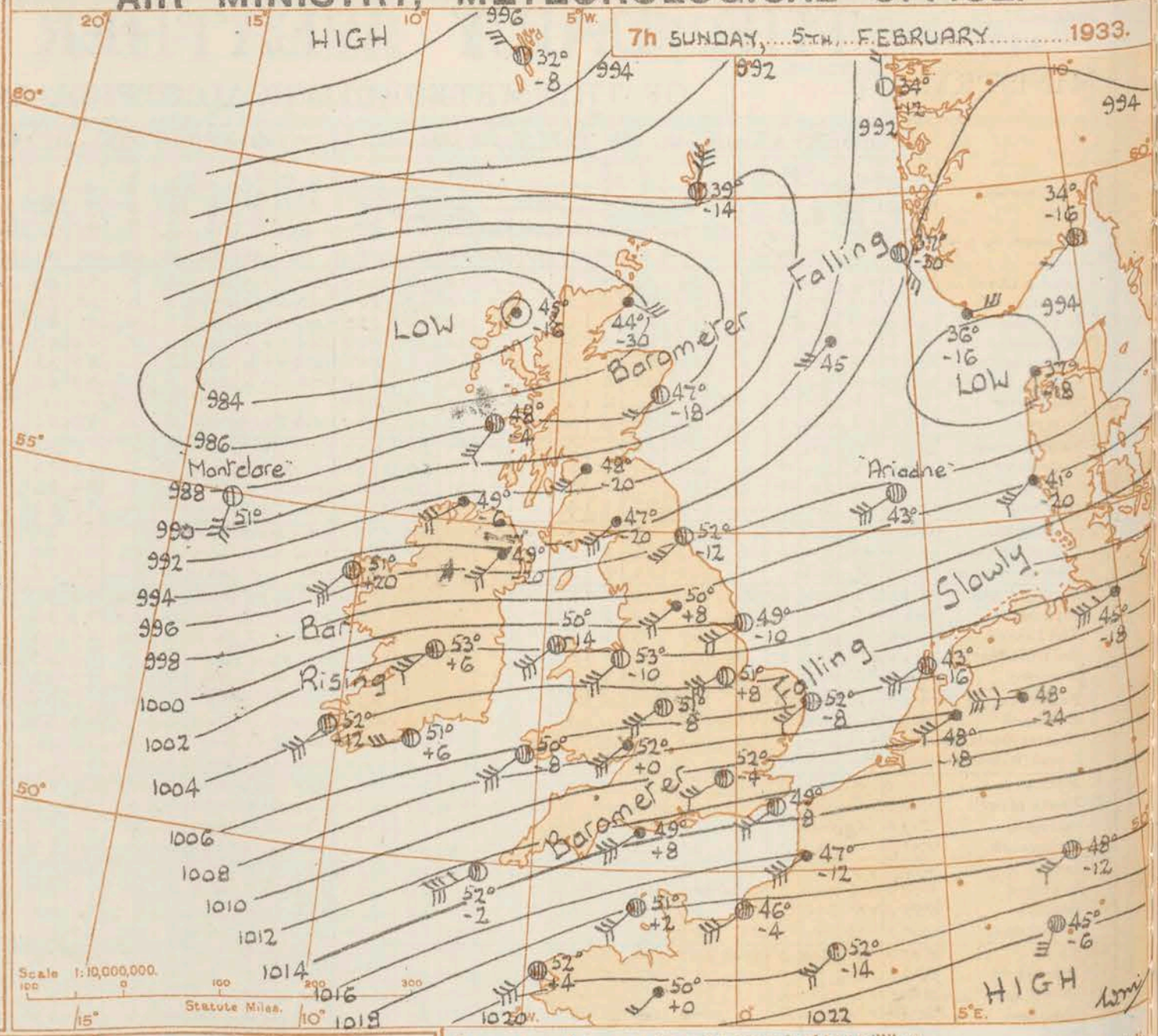
REPORTS from HEALTH RESORTS for 4th February 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 3rd to 9h. 4th.	Temperature. Max. 9h.—17h. 4th.	Rainfall. Night. 17h. 3rd to 9h. 4th.	Rainfall. Day. 9h.—17h. 4th.	Sunshine. Sunrise to Sunset. 4th.
1	Tunbridge W.	o	o	30	53	3	—	0·0
	Bournemouth	o	o	35	52	—	—	0·0
	Ventnor ...	orf	orf	41	49	6	Trace	0·0
	Southsea ...	o	o	38	52	3	—	0·0
	Bognor Regis	c	ood	38	50	5	Trace	0·0
	Littlehampton	odo	c	35	49	4	Trace	0·0
	Worthing ...	o	odo	33	49	4	Trace	0·0
	Brighton ...	of	fe	34	47	3	Trace	0·0
	Eastbourne†	o	o	43	50	4	—	0·0
	Hastings† ...	o	o	43	49	5	—	0·0
	Folkestone ...	omoc	mo	38	52	5	—	0·1
	Dover... ...	co	o	39	52	3	—	0·0
	Deal	oc	co	35	55	?	—	0·0
	Ramsgate ...	c	c	41	55	2	—	0·0
	Margate ...	c	c	39	56	3	—	0·0
2	Southend ...	o	odo	36	52	3	Trace	0·0
	Maldon ...	o	o	41	55	3	—	0·0
	Clacton-on-Sea	oc	c	32	53	3	—	0·0
	Dovercourt ...	oc	oc	35	56	2	—	0·0
	Lowestoft ...	c	cbc3	35	56	2	—	0·0
	Skegness ...	omo	omo	39 4	54	3	—	0·0
	Mablethorpe	oc	c	37	56	2	—	0·0
	Cleethorpes...	o	oco	37	56	2	—	0·4
3	Leamington S.	oc	c	34	56	3	—	0·0
4	Cheltenham†	occo	oe	43	52	3	Trace	0·0
5	Bath	drc	cd	30	54	3	0·5	0·0
	Weymouth ...	dr	rdc	43	52	4	0·2	0·0
	Jersey ...	c	c	42	50	4	—	0·0
	Torquay ...	dpodo	vidmo	44	54	0·6	Trace	0·0
	Penzance ...	om	om	45	59	2	Trace	0·0
	St. Ives ...	od	od	44	54	1	Trace	0·0
	Bude	oedoe	oed	44	51	5	0·3	0·0
	Ilfracombe ...							
6	Aberystwyth	ofe	cec	36	49	6	—	0·0
7	Llandudno ...	c	c	35	53	3	—	0·0
	Colwyn Bay...	c	c	39	49	3	—	0·0
	Rhyl	c	c	36	58	3	—	0·0
8	Wallasey ...	cbc	bcc	35	55	5	—	0·0
	Southport‖ ...	oco	co	38	52	9	—	0·0
	Blackpool ...	oro	o	38	48	1	—	0·0
	Morecambe ...	rror	cdco	36	47	18	1	0·0
9	Ilkley... ...	od	od	33	54	5	Trace	0·0
10	Berwick-on-T.	o	ro	35	52	2	0·5	0·0
11	Dunbar ...	cro	cro	37	53	2	0·3	0·0
12	Troon... ...	rroro	ororr	38	48	13	7	0·0
	Douglas ...	omoir	omirpo	37	51	22	5	0·0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h SUNDAY, 5TH FEBRUARY 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 5th Feb., 1933.
1. S.E. England 2. E. England... 3. E. Midlands	Fresh southwesterly wind, veering west later, strong locally; mainly cloudy with slight rain or drizzle at times especially on coast, bright intervals occasionally today, mild.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Fresh or strong southwest to west wind, moderating; mainly cloudy, but bright intervals, occasional rain or showers; mild.
8. N.W. England	As 11 - 13A.
9. N. Midlands 10. N.E. England	Fresh southwest to west wind; mainly cloudy, occasional rain or drizzle; mild.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Fresh southwest to west wind, strong locally; mainly cloudy with rain today; showery conditions later; mild.
13. {A. W. Scotland B. N.W. Scotland.	Light variable wind becoming southwest to west, moderate or fresh; mainly cloudy, some rain at first, showers later; moderate temperature or rather mild.
14. Mid-Scotland	As 11 - 13A.
15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate easterly wind becoming variable; cloudy, some rain; moderate temperature or rather mild.
17. N.W. Ireland	As 19 - 20.
18. N.E. Ireland	As 11 - 13A.
19. S.E. Ireland 20. S.W. Ireland	Fresh or strong southwest to west wind; cloudy but some bright periods, occasional showers; mild.

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

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◎ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— ○Clear sky. ◔Sky less than 1/10 clouded. ◑Sky 1/10 to 5/10 clouded. ◕Sky 1/10 to 9/10 clouded. ●Overcast sky. ●Rain falling. ✳Snow. ✳Sleet ▲Hail ≡Fog. ≡Mist. TThunder. ⚡Thunderstorm.
SEA DISTURBANCE. ~~Rough. ≈≈High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

Pressure remains high over Central and Southern Europe and is rising in Iceland while a depression off Northwest Scotland is moving east. In Southern England, Wales and South Ireland weather will be mainly cloudy and mild with occasional drizzle. Elsewhere weather will be mainly dull and mild with rain in most places. Improving conditions but with occasional showers will spread from the West.

FURTHER OUTLOOK.

Continuing unsettled with strong southwest to west winds. Mainly mild but temperature changeable in the Northwest.

Forecasts issued at 1100 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

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

Morning of SUNDAY FEBRUARY 5TH 1933.

Clarke's Projection Scale 1: 4 x 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 the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 5th February 1933.

No. 26.008

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

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	1012·0	-10	WSW	5	c	50	86	7-	5	2	-	9	10	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1012·8	-16	SW'S	6	id$_o$	49	95	6	5	-	-	10	10	450
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1013·9	-12	SW	5	df	45	95	3	5	-	-	10	10	<150
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1008·2	-8	SW'S	5	o	51	95	7	6	-	-	10	10	2500
	Cranwell ...	240	1005·4	-14	SSW	6	c	50	85	7	5	7	-	4-6	9+	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1012·7	-16	WSW	5	d$_o$d$_o$	48	95	6	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1013·3	0	SW	6	id$_o$	51	95	6	5	-	-	10	10	1500
	Scilly (St. Mary's)	163	1011·6	-8	WSW	6	o	52	95	5	5	-	-	10	10	2500
	Guernsey ...	175	1016·4	-10	SW'S	5	o	51	95	7	5	-	-	10	10	2500
6	Pembroke ...	142	1007·2	-2	SW	6	df	50	95	3	5	-	-	10	10	<150
7	Holyhead ...	26	1003·6	-18	SW'S	6	o/d	49	95	5	5	-	-	10	10	220
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	128	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1003·4	-4	WSW	5	c	49	95	7	5	2	-	4-6	9+	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1008·9	-14	SW	3	o	51	85	7	6	-	-	10	10	1500
11	Inchkeith ...	190	994·0	-30	WSW	5	rr	51	85	7	6	-	-	10	10	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13a	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13b	Stornoway ...	34	999·2	-14	ESE	1	dd	43	95	6	5	-	-	10	10	800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	87	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	992·6	-28	SE	3	rr	40	95	8	9	2	-	7-8	10	1500
16	Lerwick ...	54	994·8	-6	N	1	c	40	95	8	5	-	8	7-8	9+	1500
17	Blacksod Point	18	994·8	-10	SW	7	q	51	95	7	9	-	-	4-6	4-6	220
18	Malin Head ...	52	991·7	-28	SW	5	c/r	51	95	7	8	-	-	9+	9+	800
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1000·7	-6	SSW	7	q	52	95	7	5	-	-	10	10	800
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)...	1009·0	0	SW	5	c	52	85	8	7	-	-	9+	9+	2500	1	*
	Croydon ...	1009·6	-4	WSW	4	c	52	85	7	5	-	-	9+	9+	800	1	*
	S. Farnborough	1009·7	-4	SW	5	c	51	85	7	5	-	-	9+	9+	1500	1	*
	Winchester ...	1009·8	-4	SW	5	c	51	95	7	5	-	-	9	9	800	1	*
	Boscombe Down	1009·8	-2	SW	3	ir$_o$	50	85	7	5	2	-	9+	10	800	1	*
	Calshot, (S'thmtn)	1011·2	-4	SW	5	c	49	95	6	5	-	-	9+	9+	450	1	4
	Dungeness ...	*	*	SW	5	d$_o$d$_o$	*	*	5	6	-	*	10	10	800	*	3
	Lympne ...	1011·7	-8	WSW	5	o/f	49	95	6	5	-	-	10	10	450	1	*
2	Shoeburyness	1008·4	-8	SW	5	bc	50	85	7	5	-	-	4-6	4-6	2500	1	*
	Felixstowe ...	1007·6	-10	SW	4	id$_o$	48	95	7	5	-	-	7-8	7-8	800	1	2
	Gorleston ...	1005·3	-8	SW	4	c	52	85	7	8	-	-	7-8	7-8	2500	0	3
	Cranwell ...	1001·8	-8	SW	6	c	51	85	7	5	-	-	9	9	2500	1	*
3	Birmingham ...	1004·7	-8	WSW	5	c	51	75	8	5	-	-	9+	9+	1500	1	*
	Upper Heyford	1007·3	-2	WSW	5	c	51	85	8	6	7	-	9	9+	800	1	*
4	Ross-on-Wye ...	1006·2	0	SW'W	6	id$_o$	52	85	6	6	-	-	10	10	2500	1	*
5	Portland Bill...	1011·8	+8	WSW	6	d$_o$d$_o$	49	95	6	5	-	-	10	10	1500	1	5
	Plymouth ...	1012·2	-2	SW	5	id$_o$	50	95	6	5	-	-	10	10	450	1	4
	The Lizard ...	1012·9	0	SW'W	6	o	51	95	6	5	-	-	10	10	2500	1	4
	Scilly (St. Mary's)	1011·3	-2	WSW	7	c	52	95	6	5	-	-	9+	9+	4000	1	4
	Guernsey ...	1015·9	+2	SW	5	o	51	95	7	5	-	-	10	10	2500	1	4
6	Pembroke ...	1005·3	-8	WSW	6	c/d	50	95	6	5	-	-	10	10	800	1	4
7	Holyhead ...	1001·1	-14	SW'S	6	c	50	95	6	5	-	-	9+	9+	2500	1	3
	Chester (Sealand)	1000·4	-10	SW'W	5	c/d$_o$	53	85	8	6	1	-	4-6	9+	800	1	*
8	L'pool (Bidston)	999·4	-10	W'S	6	c/pr	51	85	8	6	-	-	9	9	1500	1	*
9	Harrogate ...	998·5	-6	SW	5	rr	48	95	7	6	-	-	10	10	2500	1	*
10	Spurn Head ...	999·6	-10	W	5	c	49	95	7	5	7	-	4-6	9	2500	0	3
	Catterick ...	996·9	+8	SW	5	r$_o$r$_o$	50	85	7	6	2	-	7-8	10	1500	1	*
	Tynemouth ...	994·6	-12	SW	3	c	52	85	8	6	-	-	7-8	7-8	1500	1	2
11	Inchkeith ...	990·3	-16	SW	5	c	49	85	8	8	7	-	4-6	7-8	1500	1	3
	Leuchars ...	990·0	-2	WSW	5	q	50	95	8	8	-	1	2-3	4-6	2500	2	*
12	Renfrew ...	990·8	-20	SW	3	rr	48	95	6	6	-	-	10	10	800	1	*
	Eskdalemuir ...	993·8	-20	SW'S	6	rr	47	95	4	6	-	-	10	10	450	1	*
13a	Tiree	988·3	-4	SSW	4	o	48	95	6	5	-	-	10	10	800	1	4
13b	Stornoway ...	982·8	-16	-	0	rr	45	95	6	5	-	-	10	10	800	2	0
15	Dalwhinnie ...	987·6	-8	SW	4	bc	45	95	7	4	-	-	4-6	4-6	1500	1	*
	Aberdeen ...	986·6	-18	SW'S	2	c	47	95	7	8	3	-	7-8	7-8	2500	1	1
	Wick	985·6	-30	ESE	3	rr	44	95	7	9	2	-	7-8	10	1500	1	3
16	Lerwick ...	990·3	-14	NNE	6	c	39	95	7	5	2	-	4-6	10	1500	1	*
17	Blacksod Point	995·1	+20	SW	6	q	51	85	7	9	-	-	9	9	220	1	4
18	Malin Head ...	990·1	-6	WSW	5	i$_o$	49	95	5	8	2	-	9	10	800	2	1
	Aldergrove ...	993·9	-20	SW'S	5	d$_o$d$_o$	49	95	6	6	-	-	10	10	450	1	*
	Donaghadee ...	992·7	-24	SW	3	id$_o$	52	95	7	6	-	-	9	9	800	1	2
19	Birr Castle ...	999·4	+6	WSW	4	c	53	85	7	5	-	-	9	9	2500	1	*
20	Valentia Obsy.†	1003·4	+12	SW	6	c	52	95	8	5	-	-	7-8	7-8	2500	1	*
	Roches Point...	1004·3	+6	W	3	c	51	95	8	3	-	-	7-8	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 24h. Hrs. (36)
1	London (Kew)...	54	49	48	0·3	Tr.	0·0
	Croydon ...	55	49	48	0·1	Tr.	0·0
	S. Farnborough	53	49	47	0·2	Tr.	0·0
	Winchester ...	53	48	45	0·1	1	0·0
	Boscombe Down	54	48	47	0·1	0·1	0·0
	Calshot, (S'thmtn)	52	47	46	0·2	1	0·0
	Dungeness ...	48	45	*	Tr.	Tr.	*
	Lympne ...	51	45	45	Tr.	1	0·0
2	Shoeburyness	54	47	46	0·1	—	0·0
	Felixstowe ...	55	45	45	—	0·1	0·0
	Gorleston ...	56	50	48	0·2	—	0·0
	Cranwell ...	56	49	48	—	—	0·0
3	Birmingham ...	54	49	48	—	Tr.	0·0
	Upper Heyford	53	47	47	Tr.	0·2	*
4	Ross-on-Wye ...	54	50	48	Tr.	0·1	0·0
5	Portland Bill...	49	46	*	0·5	1	*
	Plymouth ...	51	47	47	0·2	1	0·0
	The Lizard ...	52	48	*	Tr.	0·1	*
	Scilly (St. Mary's)	52	51	*	0·1	Tr.	0·0
	Guernsey ...	51	49	43	0·1	0·1	0·0
6	Pembroke ...	49	48	*	0·4	0·5	0·0
7	Holyhead ...	50	48	47	—	0·5	0·0
	Chester (Sealand)	57	52	48	Tr.	0·4	0·0
8	L'pool (Bidston)	54	50	48	—	0·3	0·0
9	Harrogate ...	53	48	46	Tr.	1	0·0
10	Spurn Head ...	53	47	*	—	—	0·2
	Catterick ...	55	50	47	Tr.	1	1·6
	Tynemouth ...	57	51	46	—	—	*
11	Inchkeith ...	49	48	45	1	5	0·0
	Leuchars ...	51	41	39	1	15	0·0
12	Renfrew ...	50	48	47	7	11	0·0
	Eskdalemuir ...	50	43	43	14	22	0·0
13a	Tiree	49	48	42	8	14	0·0
13b	Stornoway ...	45	40	*	—	15	0·6
15	Dalwhinnie ...	45	40	40	0·2	22	0·0
	Aberdeen ...	41	37	36	—	11	0·0
	Wick	40	38	*	—	22	*
16	Lerwick ...	43	37	*	0·4	Tr.	1·1
17	Blacksod Point	54	49	*	5	8	*
18	Malin Head ...	51	47	*	14	5	0·0
	Aldergrove ...	51	49	46	1	2	0·0
	Donaghadee ...	54	49	*	0·4	1	*
19	Birr Castle ...	55	51	47	0·4	1	0·0
20	Valentia Obsy.†	53	52	49	1	1	0·0
	Roches Point...	52	50	*	3	2	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 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. 21h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
Kew	18	cm$_o$d	cm$_o$	cm$_o$ocpr$_o$	54	49	48	0·3	Tr.	0·0	*	*	8
Croydon	217	ccd$_o$	cd$_o$m$_o$	cm$_o$r$_o$ic$_o$	55	49	48	0·1	Tr.	0·0	*	*	7
Greenwich (Royal Observatory) ...	149	c	cddc	cid$_o$c	54	49	46	0·3	Tr.	0·0	92	79	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	55	50	49	0·3		0·0	55	77	*
Regents Pk. (Botanic Gardens) ...	168	*	*	*	54	49	48	0·3		0·0	93	79	*
Camden Square	110	c	o	*	54	49	48	0·3	Tr.	*	*	81	*
Kensington	80	acd	co	*	54	49	46	0·5	Tr.	0·0	At 18h. 87	77	*
Hampstead Observatory	450	od	o	cod	52	46	43	0·2	Tr.	0·0		85	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·6	16h 4th	Nil	0h-7h 5th

Kew Observatory. Max.	Time.	Min.	Time.
0·1	13-15h 4th	<0·1	0-7h 5th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 4th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 5th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1021·8	SW	6	o	52	1018·3	SW	5	c	52
Brussels						1012·7	SW	5	JP$_o$	48
Berlin	1007·1	SW	1	rf	36	1007·9	W	6		48
Zurich	1025·2	ENE	3	c	50					
Rome	1023·9	SSW	2	bc	54	1024·1	-	0	cf	46

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
57	48	Tr.	Tr.
	46		0·2
36	37	5	10
54		7	
66	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	2¼ ,,
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

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

† Hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 6th February 1933.

No. 26,009

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

Distrct.	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	0	SW	5	pr.	55	78	8	8	–	–	9+	9+	2500
	Croydon ...	1010·3	+8	W'S	6	c/pr	54	78	7	5	–	–	7-8	7-8	1500
	S. Farnborough	1010·3	+6	SW	6	id.	54	88	7	9	–	–	9+	9+	800
	Winchester ...	1011·1	+10	SW	5	c	53	85	7	5	–	–	7-8	7-8	800
	Boscombe Down	1011·0	+10	W'S	6	c	54	85	7	5	–	–	9+	9+	1500
	Calshot, S'thmtn	1012·6	+12	SW	6	c/r.	51	95	6	5	4	–	4-6	9	800
	Dungeness ...	*	*	SW	5	cq	*	*	6	8	–	*	10	10	800
	Lympne ...	1011·5	+6	W'S	6	id.	51	85	7	5	–	–	10	10	450
2	Shoeburyness	1008·9	+6	SW	5	c	54	85	7	8	–	1	7-8	7-8	1500
	Felixstowe ...	1007·53	-2	SW	5	id.	54	78	6	5	–	–	9+	9+	800
	Gorleston ...	1004·6	-2	SW	4	c	55	95	7	8	–	–	9	9	2500
	Cranwell ...	1003·2	+8	SW	6	c	56	78	8	5	–	–	9+	9+	2500
3	Birmingham ...	1006·4	+6	W	5	c	53	78	8	6	–	–	7-8	7-8	1500
	Upper Heyford	1007·9	+4	SW	5	pr.	53	85	7	5	–	–	9+	9+	800
4	Ross-on-Wye ...	1008·3	+12	W	5	cq	55	78	8	9	–	–	9	9	2500
5	Portland Bill...	1013·4	+14	WSW	6	c	50	95	6	2	–	–	7-8	7-8	2500
	Plymouth ...	1015·2	+14	WSW	6	id.	51	95	6	6	2	–	9	10	450
	The Lizard ...	1016·6	+2	WSW	6	o	51	95	6	5	–	–	10	10	2500
	Scilly (St. Mary's)	1015·5	+18	WSW	6	c	52	95	66	5	–	–	9+	9+	4000
	Guernsey ...	1017·9	+14	WSW	8	o	53	85	86	5	–	–	10	10	2500
6	Pembroke ...	1008·4	+6	WSW	5	DD	50	95	4	5	–	–	10	10	450
7	Holyhead ...	1004·9	+18	SW	5	jp	51	85	6	5	–	–	9+	9+	2500
	Chester (Sealand)	1003·8	+12	WSW	4	bc	57	65	8	5	–	–	4-6	4-6	2500
8	L'pool (Bidston)	1002·4	+8	W	6	bcq	54	65	8	8	–	–	2-3	4-6	4000
9	Harrogate ...	998·0	0	WSW	7	b	52	78	8	3	4	–	Tr	1	2500
10	Spurn Head ...	999·7	0	W'N	6	cq	53	78	5	5	23	–	4-6	7-8	2500
	Catterick ...	996·5	+2	WSW	7	jp	52	78	8	6	4	–	2-3	4-6	1500
	Tynemouth ...	994·3	+6	W	5	bc	54	65	7	2	–	–	4-6	4-6	2500
11	Inchkeith ...	992·1	+18	SW	5	c	49	85	7	8	–	–	7-8	7-8	1500
	Leuchars ...	991·0	+10	WSW	5	cq	53	85	8	8	3	6	2-3	7-8	1500
12	Renfrew ...	993·8	+34	WSW	4	r.	50	95	6	6	–	–	10	10	800
	Eskdalemuir ...	995·2	+20	WSW	6	rr	47	95	4	6	–	–	10	10	800
13A	Tiree	993·0	+34	SWW	4	bc	51	85	7	5	4	2	Tr	4-6	1500
13B	Stornoway ...	989·7	+44	N	2	c	44	95	8	4	2	–	4-6	10	1500
15	Dalwhinnie ...	990·5	+16	SW	5	ir.	48	85	7	4	2	–	7-8	10	800
	Aberdeen ...	988·2	+10	WSW	2	pr.	52	75	7	8	7	–	4-6	9	2500
	Wick	987·2	+14	ENE	4	rr	43	95	6	9	2	–	7-8	10	1500
16	Lerwick ...	991·7	+14	NNE	5	c/r.	38	85	7	8	–	–	9+	9+	1500
17	Blacksod Point	1001·9	+28	W	6	iD	50	95	7	6	–	–	10	10	<150
18	Malin Head ...	995·4	+28	WSW	5	iD	49	95	5	8	2	–	9	10	450
	Aldergrove ...	998·7	+26	SW	5	ir.	48	95	7	6	–	–	10	10	450
	Donaghadee ...	997·2	+28	WSW	4	ir.	53	85	7	5	2	–	4-6	7-8	1500
19	Birr Castle ...	1004·2	+18	WSW	5	c/pr	53	75	7	8	–	–	9+	9+	1500
20	Valentia Obsy.	1009·8	+22	SW	5	o/pr	54	95	7	5	–	–	10	10	800
	Roches Point...	1008·6	+12	W	4	bc	54	75	8	3	–	–	4-6	4-6	2500

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

Distrct.	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)...	1011·5	+14	WSW	5	c/pr.	53	75	7	8	–	–	7-8	7-8	1500	1	*
	Croydon ...	1011·2	+10	W	5	r.r.	53	85	6	6	–	–	9+	9+	800	1	*
	S. Farnborough	1012·4	+18	W'S	5	r.r.	52	85	6	6	–	–	10	10	800	1	*
	Winchester ...	1013·4	+18	WSW	4	c	53	85	7	5	–	–	9+	9+	800	1	*
	Boscombe Down	1013·0	+20	W'S	5	c/r	51	95	7	5	–	–	9+	9+	1500	1	*
	Calshot, S'thmtn	1014·1	+14	SW	5	o/d	48	85	6	5	–	–	10	10	1500	1	
	Dungeness ...	*	*	SW	4	cq	*	*	5	5	–	*	9+	9+	800	*	3
	Lympne ...	1013·0	+18	WSW	5	c	49	95	6	5	–	–	9+	9+	800	1	*
2	Shoeburyness	1010·5	+14	W'S	5	id.	53	95	5	6	–	–	9	9	1500	1	*
	Felixstowe ...	1009·1	+20	SW'W	4	bc	53	75	7	5	–	–	2-3	2-3	4000	1	3
	Gorleston ...	1005·9	+10	W'S	4	bc	54	75	7	4	–	–	4-6	4-6	4000	0	3
	Cranwell ...	1006·2	+22	WSW	4	c	51	75	7	5	–	–	7-8	7-8	2500	1	*
3	Birmingham ...	1009·2	+18	WNW	3	c/p	52	65	8	6	–	–	7-8	7-8	1500	1	*
	Upper Heyford	1010·2	+12	SW	3	bc	49	85	8	5	–	–	(4-6)	(4-6)	1500	1	*
4	Ross-on-Wye ...	1010·8	+14	WSW	3	bc	52	75	8	8	–	–	4-6	4-6	4000	1	*
5	Portland Bill...	1014·5	+10	WSW	6	c	49	85	7	4	–	–	10	10	1500	1	5
	Plymouth ...	1016·9	+14	SW'W	76	id.	51	95	6	5	–	–	9+	9+	1500	1	4
	The Lizard ...	1017·8	+12	WSW	5	bc	50	95	7	5	4	–	2-3	4-6	4000	1	3
	Scilly (St. Mary's)	1017·4	+12	WSW	6	c	51	95	6	5	3	–	4-6	7-8	4000	1	4
	Guernsey ...	1019·1	+16	WSW	4	c	52	85	6	8	–	–	10	10	2500	0	4
6	Pembroke ...	1012·3	+12	WSW	4	cq	50	95	6	5	–	–	9+	9+	2500	1	3
7	Holyhead ...	1008·7	+28	W'S	7	c	52	75	6	5	–	–	9+	9+	2500	1	4
	Chester (Sealand)	1007·4	+22	W'S	4	c	53	75	8	5	–	1	9	9+	2500	1	*
8	L'pool (Bidston)	1005·7	+26	W'N	7	cq	52	65	8	5	–	–	9	9	2500	0	*
9	Harrogate ...	1002·6	+6	W	7	pr.	48	95	7	3	–	–	7-8	7-8	1500	1	*
10	Spurn Head ...	1001·7	+8	WNW	7	c	51	85	7	5	2	–	4-6	9	2500	0	5
	Catterick ...	1000·5	+30	W'S	6	b	50	85	8	5	–	–	1	1	1500	1	
	Tynemouth ...	997·9	+22	W	4	bc	52	85	7	9	–	–	4-6	4-6	2500	1	3
11	Inchkeith ...	997·1	+36	WSW	5	bc	49	85	7	5	–	–	2-3	2-3	2500	0	3
	Leuchars ...	995·4	+30	W	4	bcq	50	85	89	1	4	9	–	2-3	–	1	*
12	Renfrew ...	999·3	+34	W	4	id	50	85	6	5	–	–	9+	9+	800	2	*
	Eskdalemuir ...	1000·1	+36	W'N	5	c/r	48	85	6	5	–	–	9+	9+	1500	1	*
13A	Tiree	999·4	+42	W	4	dr	48	95	6	6	7	–	9	9+	800	1	3
13B	Stornoway ...	998·3	+44	NNE	2	c	42	95	8	8	2	–	4-6	10	1500	1	1
15	Dalwhinnie ...	995·5	+36	W	4	ir.	47	85	6	4	2	–	4-6	9	800	1	*
	Aberdeen ...	994·3	+52	WNW	3	ir.	47	95	6	6	2	–	7-8	10	1500	1	1
	Wick	995·3	+40	NE	5	rr	41	95	6	6	2	–	7-8	10	1500	1	3
16	Lerwick ...	997·3	+40	NE	3	c	38	75	8	5	2	–	4-6	10	1500	0	*
17	Blacksod Point	1005·2	+12	W	3	iD	50	95	7	5	–	–	9	9	220	1	3
18	Malin Head ...	1001·5	+38	WSW	4	o/pr	48	95	5	5	–	–	10	10	450	2	2
	Aldergrove ...	1004·1	+34	WSW	5	ir.	48	95	7	6	–	–	10	10	800	1	*
	Donaghadee ...	1002·9	+26	WSW	4	cq	52	85	7	8	–	–	7-8	7-8	1500	0	2
19	Birr Castle ...	1007·7	+26	WSW	2	c	52	95	7	5	–	–	10	10	2500	1	*
20	Valentia Obsy.	1011·4	+14	SW	5	id.	53	95	5	5	–	–	10	10	450	1	4
	Roches Point...	1011·6	+20	SW	3	id.	53	95	7	5	–	–	10	10	1500	0	5

PAST 24 HOURS.

Weather. 7h.–13h. 5th (37)	Weather. 13h.–18h. 5th (38)	Weather. 18h. 5th to 1h. 6th (39)	Weather. 1h.–7h. 6th (40)
c	ccpo bc	bc	bcc
cbcpr.	bccor.mo	cm.ir.bc	cq
ccid.	cir. r r.	r.cb,c	cbc
corm.	cpr cr.	c	c cm.
cir ir	cid. ir	cr. c	c
cdor.q m.	cq id.m	cbw	com.
o	o	*	f
om. cdoq	cq bcc	bccom.	ocm. f
bcc	cd.m.	cd. bc	b bc m.
cd. bcedz	cdoz. bcb	b	b bc
cd.q	cq	bccq	bcq
cpr. c	cpr. bc	cbcc	c
cpr	c	c bcc	cor.
cd.pr.q	cbcpr.	bc	cpr
cq	cq bc	c	cb bc
odcz	c	oid.z.	od.z.
ocid.z.	cid.m.	cid.d.o	om.d.m
oq m.	pbc	bcc	cipd.
c	c	c	coid.
qc	c	co	o
cqm. ir. DDc	cq ff id.oc	cqm.	cq 3m.
cpr.q	Chm.	qr.cm.	cm.f
cd.v bc	bcc	cv	cv
qcbcq	bccq	bcc ir.	coid.
rcbQ jp	cbQ p.	cbcQ ir.	c
cpr q	cq	cqbc	bcc
cir. bc	bc pr.	b w	bw bcc
cir. bcq	bcq	bcq	bcq
cpr q	cbcq	bc	cid.
opq bcq	bcq jp	bc c bc	codd, o
orr re.	oir. cd	cid r.c	cor id
Rrm	orrcm.	crc	c cdd
c bc	bccd	cr. dd	r. ddf
cid.	c	c	c
ir	ir		ir
bcpr.	crcr.	cr. id.	oid. m.
crrm.	crrm.	crrm.	c
cir.	cir.	cbc	bcc
id	oid	id	id.
cid	cpdz	cp.dz	cid.
od.r.	o dr.	or.	orcdd
cir.	cirq	c	cir. c
cpr	or.	oir.	irc
ccpr.	coid.	oid.	oid.c
cirbc	bcoid.	odd	od.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, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—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 1/10 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
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.

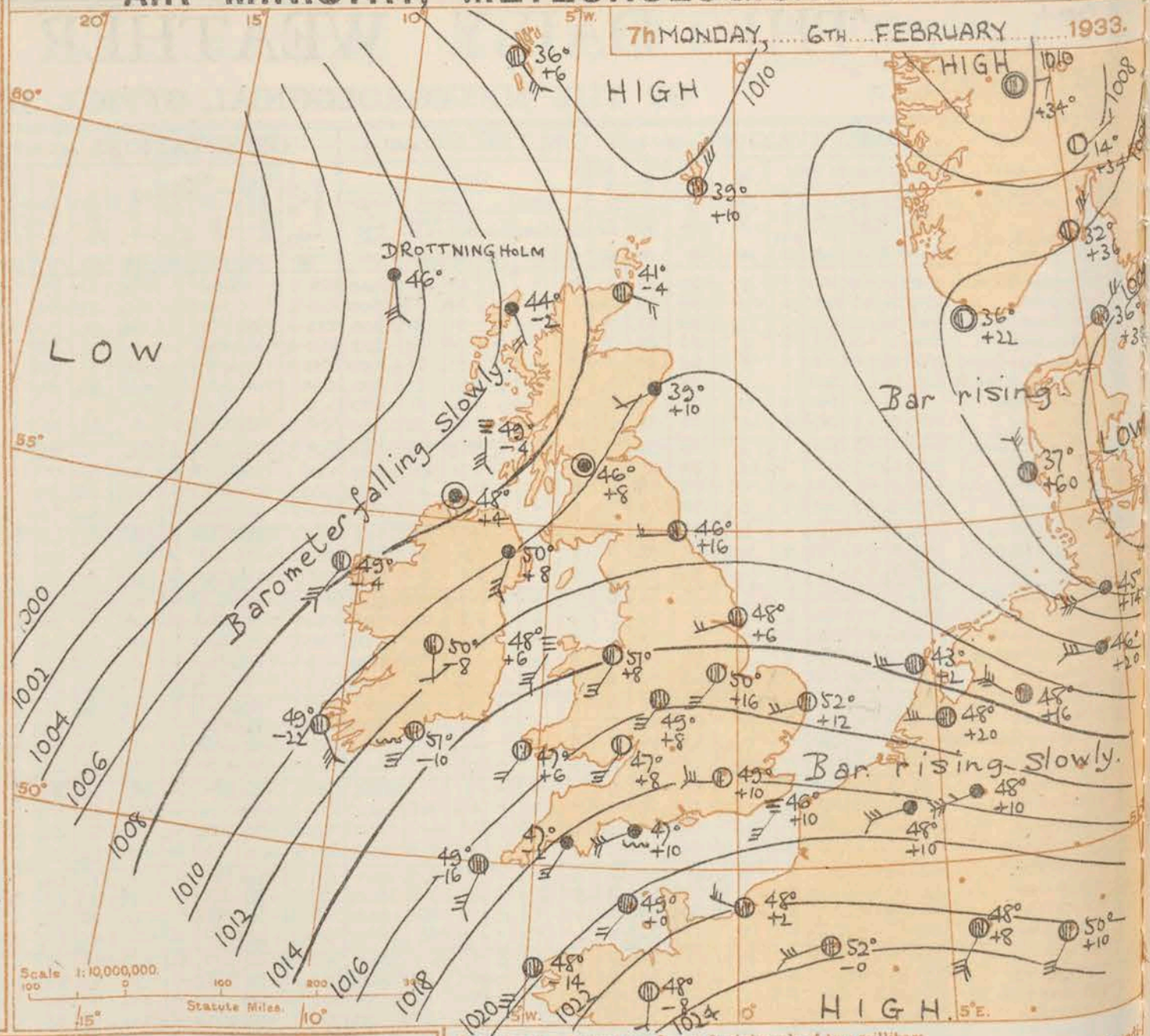
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for 5th FEBRUARY 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 4th to 9h. 5th	Temperature. Max. 9h.—17h. 5th	Rainfall. Night. 17h. 4th to 9h. 5th	Rainfall. Day. 9h.—17h. 5th	Sunshine. Sunrise to Sunset. 5th
1	Tunbridge W.	oco	obco	47	54	0·3	–	1·0
	Bournemouth	obc	bco	47	54	0·5	–	0·7
	Ventnor ...	odfcv	ouz	46	51	1	–	0·1
	Southsea ...	bct	bcco	48	53	0·4	–	1·0
	Bognor Regis	bcbc	cbcc	46	51	2	–	1·0
	Littlehampton	bc	bcc	45	51	1	–	1·7
	Worthing ...	c	c	46	51	1	–	1·1
	Brighton ...	co	oco	45	49	1	–	0·0
	Eastbourne†	cod	o	48	52	1	0·1	0·6
	Hastings† ...	ocqo	oco	45	51	1	–	0·6
	Folkestone ...	romc	cbcm	45	52	1	–	0·6
	Dover... ...	oc	ocbc	46	53	1	–	0·3
	Deal	cbc	bc	47	54	–	–	3·7
	Ramsgate ...	bc	bc	46	56	–	–	4·2
	Margate ...	bc	bcc	48	56	0·2	–	4·0
2	Southend ...	bc	co	46	54	–	–	1·0
	Maldon ...	bccr	cbcc	51	57	–	Trace	2·6
	Clacton-on-Sea	cbcc	cbbc	44	55	–	Trace	1·9
	Dovercourt ...	bcc	bc	48	57	–	–	2·8
	Lowestoft ...	cbcc	bcc	50	57	–	–	2·3
	Skegness ...	bc	bcm	42 5	57	Trace	–	5·1
	Mablethorpe	c	c	50	57	Trace	–	4·2
	Cleethorpes ...	bc	bc	50	56	0·1	–	4·9
3	Leamington S.	corc	bcc	50	57	4	–	3·1
4	Cheltenham†	ocb	cbc	48	54	Trace	Trace	0·5
5	Bath	dc	bc	52	56	0·3	0·3	0·1
	Weymouth ...	c	cbc	48	52	1	Trace	0·7
	Jersey ...	oc	dbc	47	52	0·4	Trace	1·7
	Torquay ...	cdmq	odbc	50	55	1	Trace	0·6
	Penzance ...	mocbc	cbc	50	55	0·5	–	1·4
	St. Ives ...	docbc	c	50	55	1	Trace	1·8
	Bude	cd	ocd	49	52	1	0·2	0·0
	Ilfracombe ...	od	od	50	53	1	1	0·0
6	Aberystwyth	idcm	idcm	46	49	2	1	0·1
7	Llandudno ...	bbc	c	50	54	0·1	–	2·4
	Colwyn Bay...	bcbcb	bccbo	51	56	0·5	Trace	2·9
	Rhyl	bbc	bcc	51	56	0·4	–	2·6
8	Wallasey ...	bbc	bcc	50	55	0·5	–	2·6
	Southport‖ ...	cbco	oco	43 8	51	3	–	1·6
	Blackpool ...	oc	co	47	49	1	–	0·7
	Morecambe ...	oc	c	45	49	–	–	0·0
9	Ilkley... ...	obc	bcr	48	54	6	0·3	2·4
10	Berwick-on-T.	bcc	c	48	54	1	–	2·1
11	Dunbar ...	crr	bc	49	54	6	–	1·5
12	Troon... ...	rorro	orooc	46	49	7	1	0·0
	Douglas ...	cbqid	cbcq	47	52	2	Trace	0·8

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 5/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 6th Feb. 1933.
1. S.E. England 2. E. England... 3. E. Midlands	Moderate or fresh southwesterly wind; mainly cloudy, occasional local drizzle especially on South Coast; mild.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Fresh or strong south to southwest wind; cloudy to dull some rain or drizzle; mild.
9. N. Midlands 10. N.E. England 11. S.E. Scotland	Moderate or fresh south or southwest wind; mainly cloudy, occasional rain or drizzle; mild.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. / B. N.W. Scotland 14. Mid-Scotland	Light or moderate southerly wind, freshening; dull; some rain or drizzle; mild.
15. N.E. Scotland 16. Orkneys and Shetlands.	Light or moderate variable wind freshening from south or southeast; cloudy or dull, some rain or drizzle; milder.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Fresh or strong southerly wind, veering later; cloudy or dull, some rain or drizzle; mild.

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

GENERAL INFERENCE.

Pressure is high over France and Spain. A ridge of high pressure over the eastern districts of the British Isles is moving east and a depression on the Atlantic is likely to move northeast and spread east. Weather will be unsettled, especially in the North and West and mild generally.

FURTHER OUTLOOK.

Unsettled especially in the North and West; mainly mild.

Forecasts issued at 1010 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

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

Morning of
MONDAY,
6TH FEBRUARY,
1933.

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 the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 6th February, 1933.

No. 26,009

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

Dist.	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	1016·1	+14	W'S	4	c	53	85	6	S	-	-	10	10	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8	1017·7	+12	SW'W	4	c	48	95	6	S	-	-	9+	9+	1500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1017·8	+14	SW'W	3	o	47	95	5	S	-	-	10	10	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1011·7	+20	WSW	3	bc	51	95	7	4	-	-	2-3	2-3	2500
	Cranwell ...	240	1011·7	+14	SW'W	4	c	49	85	7	S	-	-	9+	9+	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1018·5	+12	WSW	6	o	48	95	6	S	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1019·8	0	WSW	4	c	49	95	7	S	-	-	10	10	2500
	Scilly (St.Mary's)	163	1018·9	0	WSW	5	c	50	95	5	S	-	-	9+	9+	1500
	Guernsey ...	175	1021·4	+2	W'S	3	o	50	95	6	S	-	-	10	10	2500
6	Pembroke ...	142	1015·2	+10	WSW	4	q	49	95	6	S	7	-	4-6	7-8	2500
7	Holyhead ...	26	1012·4	+16	SW'W	4	c	49	95	5	S	-	-	9+	9+	800
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1009·3	+18	WNW	6	bc	48	85	7	S	-	8	2-3	4-6	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1007·7	+50	W	4	bc	50	85	8	2	-	-	2-3	2-3	2500
11	Inchkeith ...	190	1007·7	+40	WSW	3	bc	46	95	8	5	-	-	4-6	4-6	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1005·5	+18	ENE	2	c	42	95	8	4	6	-	7-8	9+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1006·6	+34	NNW	2	c	39	85	8	8	1	-	7-8	9+	2500
16	Lerwick ...	54	1005·9	+28	NW	2	bc	36	95	8	5	1	-	2-3	4-6	1500
17	Blacksod Point	18	1008·9	+10	SW	3	id	50	95	7	5	-	-	10	10	<150
18	Malin Head ...	52	1007·0	+10	SSW	1	id.	48	95	4	8	2	-	9	10	450
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1013·0	+14	W'S	4	d.d.	51	95	5	6	-	-	10	10	800
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)...	1018·1	+8	W'S	4	c	50	85	7	5	2	-	2-3	9+	2500	1	*
	Croydon ...	1018·0	+10	W	4	bc	49	85	7	7	-	-	4-6	4-6	1500	1	*
	S. Farnborough	1018·7	+10	W	1	bc	47	85	7	5	1	8	1	4-6	1500	1	*
	Winchester ...	1019·1	+6	S'W	2	c	46	96	6	5	-	-	9+	9+	1500	1	*
	Boscombe Down	1018·8	+10	SW'W	2	c	46	95	7	5	-	-	9+	9+	1500	1	*
	Calshot,(S'thmtn)	1019·4	+14	SW	2	o	47	95	6	5	-	-	10	10	450	1	2
	Dungeness ...	*	*	SW	4	cf	*	*	2	8	-	*	10	10	450	*	3
	Lympne ...	1018·9	+10	SW'W	3	of	46	95	3	5	-	-	10	10	1500	1	*
2	Shoeburyness	1017·3	+8	W	4	c	50	95	6	5	-	-	9+	9+	1500	1	*
	Felixstowe ...	1016·6	+18	SW'W	3	c	51	85	7	5	-	-	7-8	7-8	2500	1	2
	Gorleston ...	1014·5	+12	WSW	2	o	52	95	7	6	-	-	10	10	1500	0	2
	Cranwell ...	1014·8	+16	SW'W	3	c	50	95	7	5	?	?	9	9+	1500	0	*
3	Birmingham ...	1016·2	+8	SW	3	o	49	95	8	6	-	-	10	10	800	1	*
	Upper Heyford	1017·6	+10	SW	3	c	47	95	7	5	-	-	9+	9+	1500	1	*
4	Ross-on-Wye ...	1016·7	+8	SW	3	bc	47	85	7	7	-?	2?	1	2-3	4000	1	*
5	Portland Bill...	1019·7	+8	WSW	5	dd	47	95	6	5	-	-	10	10	1500	1	4
	Plymouth ...	1018·4	-2	SW'S	3	ddo	47	95	4	5	-	-	10	10	<150	1	2
	The Lizard ...	1017·9	-6	SW	3	o	47	95	7	5	-	-	10	10	4000	1	3
	Scilly (St.Mary's)	1016·6	-16	SW'S	4	o/d.	49	95	7	5	-	-	10	10	2500	1	3
	Guernsey ...	1020·8	0	SW	2	o	49	85	7	5	-	-	10	10	2500	0	2
6	Pembroke ...	1018·3	+6	SW	2	c	47	85	6	5	-	-	10	10	2500	0	2
7	Holyhead ...	1013·5	+6	SW	4	f	48	95	3	5	-	-	10	10	<150	1	2
	Chester (Sealand)	1013·8	+8	SW	3	c	51	86	8	6	2	-	4-6	9+	2500	1	*
8	L'pool (Bidston)	1013·9	+10	SW'W	3	c/d.	50	95	8	5	-	-	9+	9+	1500	1	*
9	Harrogate ...	1012·7	+6	SW	2	c	48	95	7	6	7	-	7-8	9+	2500	1	*
10	Spurn Head ...	1012·9	+6	WSW	2	c	48	95	6	5	2	-	4-6	10	1500	0	1
	Catterick ...	1012·6	+6	S'W	3	c	47	95	7	5	-	-	9+	9+	4000	1	*
	Tynemouth ...	1010·9	+14	W	2	bc	46	95	7	2	-	-	4-6	4-6	2500	1	2
11	Inchkeith ...	1010·3	+10	NE	1	c	43	95	7	5	6	-	7-8	9+	1500	0	1
	Leuchars ...	1010·8	+10	E	3	dd	43	95	6	5	-	-	10	10	800	1	*
12	Renfrew ...	1009·4	+8	-	0	id	46	95	6	5	-	-	10	10	800	2	*
	Eskdalemuir ...	1011·1	+10	SSW	2	dd	44	95	5	6	-	-	10	10	<150	1	*
13A	Tiree	1006·6	-4	SW	4	f	49	95	2	5	-	-	10	10	<150	1	3
13B	Stornoway ...	1006·1	-2	SSE	2	id	44	95	7	9	7	-	7-8	10	1500	1	1
15	Dalwhinnie ...	1009·1	+4	SW	2	bc	40	95	8	4	2	-	4-6	4-6	1500	1	*
	Aberdeen ...	1010·4	+10	SW	1	id.	39	95	6	5	-	-	10	10	800	1	1
	Wick	1008·8	-4	ESE	2	c	41	75	8	5	2	8	7-8	9	1500	1	2
16	Lerwick ...	1009·7	+16	NNE	3	c	39	95	8	5	9	-	4-6	7-8	1500	0	*
17	Blacksod Point	1008·0	-4	SW	4	c	49	95	7	5	-	-	9	9	<150	1	3
18	Malin Head ...	1007·4	+4	-	0	ddf	48	95	3	5	-	-	10	10	<150	2	1
	Aldergrove ...	1010·1	+8	SSW	4	dd.	50	95	6	5	-	-	10	10	800	1	*
	Donaghadee ...	1009·8	·	WSW	2	c	50	95	7	5	-	-	7-8	7-8	1500	1	1
19	Birr Castle ...	1010·7	-8	S	1	c	50	95	7	5	1	-	2-3	9	2500	1	*
20	Valentia Obsy.†	1010·1	-22	SSE	4	c	49	85	8	5	7	-	7-8	9+	2500	1	-
	Roches Point...	1013·1	-10	SW	3	c	51	95	8	3	-	-	7-8	7-8	1500	1	4

PAST 24 HOURS.

Dist.	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 5th Hrs. (36)
1	London (Kew)...	56	50	47	0·1	-	1·6
	Croydon ...	56	49	47	0·2	Tr.	0·8
	S. Farnborough	56	47	41	0·3	Tr.	1·5
	Winchester ...	56	46	43	1	-	1·0
	Boscombe Down	55	46	44	0·5	Tr.	0·3
	Calshot,(S'thmtn)	53	45	44	0·2	-	0·7
	Dungeness ...	49	44	*	Tr.	Tr.	*
	Lympne ...	52	45	43	Tr.	-	0·7
2	Shoeburyness	55	48	43	0·1	Tr.	1·0
	Felixstowe ...	56	48	44	Tr.	-	3·0
	Gorleston ...	57	49	45	Tr.	-	1·6
	Cranwell ...	56	48	45	0·1	-	3·3
3	Birmingham ...	55	49	47	1	0·5	2·1
	Upper Heyford	55	46	42	Tr.	Tr.	*
4	Ross-on-Wye ...	55	47	40	-	-	0·0
5	Portland Bill...	51	46	*	0·2	0·1	*
	Plymouth ...	52	47	45	Tr.	Tr.	0·0
	The Lizard ...	52	47	*	-	Tr.	*
	Scilly (St.Mary's)	53	47	*	-	Tr.	0·8
	Guernsey ...	54	48	45	-	-	0·8
6	Pembroke ...	50	47	*	0·3	-	0·5
7	Holyhead ...	53	47	46	0·2	1	1·0
	Chester (Sealand)	57	51	44	Tr.	-	4·0
8	L'pool (Bidston)	55	47	46	-	0·3	2·2
9	Harrogate ...	53	46	41	3	Tr.	3·0
10	Spurn Head ...	54	43	*	Tr.	-	3·9
	Catterick ...	53	42	35	1	-	5·9
	Tynemouth ...	56	45	38	1	-	*
11	Inchkeith ...	51	42	42	0·5	Tr.	1·1
	Leuchars ...	56	40	35	0·1	Tr.	5·0
12	Renfrew ...	50	45	41	4	1	0·0
	Eskdalemuir ...	48	43	42	17	1	0·0
13A	Tiree	51	42	37	0·3	1	4·0
13B	Stornoway ...	48	41	*	2	-	0·0
15	Dalwhinnie ...	48	35	32	1	2	0·0
	Aberdeen ...	52	38	33	2	0·2	0·7
	Wick	44	35	*	6	0·6	*
16	Lerwick ...	40	35	*	Tr.	-	0·0
17	Blacksod Point	51	47	*	2	1	*
18	Malin Head ...	49	46	*	3	2	0·0
	Aldergrove ...	50	46	43	0·1	0·5	0·0
	Donaghadee ...	53	46	*	0·2	0·4	*
19	Birr Castle ...	54	49	46	0·5	2	1·3
20	Valentia Obsy.†	54	49	47	0·2	0·1	0·4
	Roches Point...	55	49	*	1	1	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations. except Greenwich & Hampstead rainfall, 9h-18h.

	Height above M.S.L. in feet.	Weather 24 hrs, ended 9h. Morning.	Afternoon.	Night.	Temperature. Day Max. °F.	Night Min. °F.	Min. on Grass °F.	Rainfall. Day. mm.	Night. mm.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	9h. G.M.T. %	Visibility 9h.
										Yesterday.		To-day.	
Kew	18	c	cp. bc	bcc	56	50	47	0.1	-	1·6	*	*	6
Croydon	217	cbcpr	bccor. m.	cir. cq	56	49	47	0.2	Tr.	0.8	*	*	6
Greenwich (Royal Observatory) ...	149	cd. c	cd. c	bc	57	49	44	Tr.	-	0.8	66	83	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·3	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	57	49	44	-		0·3	66	80	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	57	49	47	-		0·2	69	82	*
Camden Square	110	c	c cr	*	55	49	46	0.5	-	*	*	81	*
Kensington	80	cbcd	bccor	*	57	49	45	Tr.	-	0·4	At 18h.	83	*
Hampstead Observatory	450	od bc	od	bc	54	46	41	0.4	0.1	0·3	85	86	*

FOREIGN OBSERVATIONS.

18h. G.M.T. 5th February

Stations	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1020.1	W	6	o	55
Brussels					
Berlin	1004·4	SW'W	6	c/r	46
Zürich					
Rome	1022·3	-	0	0	54

7h. G.M.T. 6th February

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1022·5	WSW	2	c	52
1018·4	WSW	4	d.d.	48
1006·3	W	5	o/r	48
1026·2	SW	1	c	45
1019.7	NE	1	of	50

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
57	48	-	-
	46		1
48	46	5	3
	45		-
55	50	Tr.	-

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0.6	10-16h. 5th	Nil	0-7h. 6th

Kew Observatory. Max.	Time.	Min.	Time.
0.1	10h. 5th	<0.1	0-5h. 6th

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.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

‡ Hr. observations are from Valentia W/T station † Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 7th February, 1933.

No. 26,010.

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

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)...	1016·5	-14	SW	3	c	52	75	7	5	–	–	9+	9+	2500
	Croydon ...	1017·4	-14	SW's	3	c	49	85	6	4	–	–	9+	9+	1500
	S. Farnborough	1016·5	-20	SW's	4	c	49	85	8	5	–	–	10	10	800
	Winchester ...	1016·7	-22	S'w	4	c	48	95	8	5	2	–	9+	10	800
	Boscombe Down	1016·2	-22	S'w	4	o	48	95	6	5	–	–	10	10	800
	Calshot, S'thmtn	1017·4	-20	SSW	3	id.	46	95	6	5	–	–	10	10	800
	Dungeness ...	*	*	SW	2	id.	*	*	4	5	–	*	10	10	800
	Lympne ...	1018·7	-10	SW'w	4	c	48	85	7	5	–	–	10	10	800
2	Shoeburyness	1016·8	-14	SW	4	c	51	85	6	4	2	6	2-3	7-8	2500
	Felixstowe ...	1016·6	-10	SW's	3	c	51	85	7	5	1	–	7-8	10	1500
	Gorleston ...	1015·3	-4	WSW	2	c	54	95	6	5	–	–	9	9	2500
	Cranwell ...	1014·1	-12	SW's	3	c	53	85	6	5	–	1	7-8	9	1500
3	Birmingham ...	1014·8	-8	SW	4	c	49	75	8	5	3	–	7-8	7-8	1500
	Upper Heyford	1016·0	-14	SSW	3	c	49	85	8	5	–	–	10	10	800
4	Ross-on-Wye ...	1014·1	-20	SW	4	c	51	75	8	5	–	2	7-8	9	4000
5	Portland Bill...	1016·0	+14	S	4	c	47	95	7	4	–	–	10	10	1500
	Plymouth ...	1014·7	-30	SSE	4	c	49	85	7	5	1	–	9+	10	450
	The Lizard ...	1013·8	-24	SSE	4	c	48	95	7	8	–	–	10	10	2500
	Scilly (St. Mary's)	1010·9	-30	S	5	c	50	95	7	5	–	–	9+	9+	2500
	Guernsey ...	1017·2	-26	SSE	1	o	49	95	7	5	–	–	10	10	2500
6	Pembroke ...	1011·5	-24	SSE	3	c	47	95	6	5	–	–	10	10	2500
7	Holyhead ...	1012·1	-22	S'w	5	c	47	85	7	5	–	–	10	10	1500
	Chester (Sealand)	1012·0	-22	S	1	c	56	65	8	5	–	6	2-3	7-8	2500
8	L'pool (Bidston)	1012·0	-12	S'w	3	bc	52	75	8	5	–	5	2-3	4-6	2500
9	Harrogate ...	1012·5	0	SSW	2	c	50	95	5	5	2	–	4-6	10	2500
10	Spurn Head ...	1013·0	+4	SW'w	2	c	53	95	5	5	7	–	4-6	9	1500
	Catterick ...	1011·3	-14	SW	4	c	53	75	8	5	–	7	4-6	10	1500
	Tynemouth ...	1010·2	-12	SSE	2	c	47	95	5	2	–	–	7-8	7-8	2500
11	Inchkeith ...	1010·0	-16	E	1	if	47	95	5	5	1	–	7-8	9+	800
	Leuchars ...	1009·1	-18	E	1	d. d.	45	95	4	5	–	–	10	10	<150
12	Renfrew ...	1008·8	-6	SSW	2	id.	51	95	5	5	2	–	9	10	800
	Eskdalemuir ...	1010·0	-14	SSW	5	dd	45	95	4	5	–	–	10	10	<150
13A	Tiree	1004·8	-12	S'E	4	c	49	95	7	5	7	–	7-8	9+	800
13B	Stornoway ...	1002·3	-16	SSE	2	rr	46	95	7	5	2	–	7-8	10	800
15	Dalwhinnie ...	1007·3	-10	SW	3	c	43	95	7	4	2	–	7-8	10	800
	Aberdeen ...	1008·8	-12	SSE	3	d. d.	44	95	6	6	–	–	10	10	220
	Wick	1007·1	-12	SSE	5	c	43	95	8	4	2	–	7-8	10	1500
16	Lerwick ...	1009·8	-10	E	3	c	42	85	8	5	7	–	4-6	9	1500
17	Blacksod Point	1003·1	-12	SE	3	c	49	95	8	–	7	–	0	7-8	–
18	Malin Head ...	1004·5	-26	S	3	c	51	95	7	5	7	–	4-6	9+	800
	Aldergrove ...	1008·1	-14	SSE	3	id.	49	95	7	5	–	–	10	10	800
	Donaghadee ...	1009·5	-8	SW	2	id.	49	95	7	5	–	–	10	10	800
19	Birr Castle ...	1007·0	-22	SE	3	o	49	85	7	5	–	–	10	10	1500
20	Valentia Obsy.	1003·6	-36	SE'S	6	id.	51	95	7	5	–	–	10	10	800
	Roches Point...	1008·4	-28	SW	4	dd	50	95	6	5	–	–	10	10	800

OBSERVATIONS at 18h. G.M.T. 6th 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)
1012·5	-24	S'E	2	c	48	85	6	5	–	–	10	10	2500	1	*
1013·2	-22	S'W	2	c	47	85	6	5	1	–	9	10	800	1	*
1012·3	-26	S'W	2	c	47	85	6	5	–	–	10	10	1500	1	*
1012·0	-20	S'E	4	c	47	95	6	5	–	–	10	10	1500	1	*
1012·0	-22	S'W	4	r	46	95	7	5	–	–	10	10	450	1	*
1012·6	-22	ESE	3	c	45	95	6	5	2	–	4-6	10	1500	1	1
*	*	SW	2	c	*	*	6	5	–	*	9	9	800	*	2
1014·9	-20	S'W	2	o	45	95	7	5	–	–	10	10	800	1	*
1014·0	-12	SW'S	3	c	47	95	7	5	–	–	10	10	1500	0	*
1014·4	-6	SSW	3	c	46	95	6	5	–	–	10	10	800	1	1
1013·5	-6	SSE	2	c	44	95	5	5	–	–	10	10	1500	0	2
1011·5	-12	SSE	4	c	47	75	7	5	–	–	9+	9+	2500	1	*
1010·6	-18	S	2	c	47	85	6	5	–	–	10	10	1500	1	*
1011·7	-20	S	2	c	46	95	8	5	–	2	7-8	9+	1500	1	*
1010·2	-14	S'W	3	ir.	47	85	6	6	–	–	10	10	2500	1	*
1010·8	-20	S	3	o	46	95	7	5	–	–	10	10	1500	1	3
1009·5	-30	SE	4	r. r.	48	95	7	5	–	–	10	10	800	1	2
1006·7	-40	SW'S	4	c	49	95	7	8	–	–	10	10	2500	8|1	3
1004·5	-36	S	5	rr	50	95	5	6	–	–	10	10	1500	1	3
1011·3	-20	S'E'	5	c	48	95	6	8	–	–	10	10	2500	0	3
1006·8	-30	SSE	3	c	47	95	6	5	–	–	9+	9+	1500	1	2
1008·1	-22	S'E	4	c	47	95	6	5	–	–	10	10	1500	1	2
1008·6	-18	SSE	3	c/r.	49	85	7	5	2	–	7-8	10	4000	1	*
1008·2	-12	SE'S	3	c/pr.	49	75	6	9	1	–	2-3	9	2500	0	*
1009·2	-6	SSW	1	bc	46	85	5	–	4	–	0	4-6	–	1	*
1011·0	-4	SW'W	4	c	47	95	7	5	2	–	4-6	9+	1500	0	2
1008·7	-14	SW's	3	c	48	85	6	5	–	–	7-8	7-8	1500	1	*
1008·0	-10	S	2	c	49	85	5	2	–	2	4-6	7-8	2500	1	2
1006·8	-4	SW	2	c	46	95	8	8	7	–	4-6	10	2500	0	1
1006·1	-14	SW	3	c	48	95	7	5	2	–	7-8	10	1500	1	*
1006·3	-10	S'W	4	c	47	85	6	5	7	–	9	10	1500	1	*
1008·0	-8	SSW	4	o	42	95	6	5	–	–	10	10	800	1	*
1000·9	-20	SE'S	4	c/R	46	95	6	5	7	7	1	10	1500	1	4
999·9	-8	SSW	3	c	48	95	7	5	2	–	7-8	10	1500	1	3
1004·4	-10	SE	3	c	45	95	7	3	2	–	7-8	10	800	1	*
1005·1	-18	SSW	3	o	45	95	4	5	–	–	10	10	800	1	1
1002·9	-16	SSE	5	r. r.	44	95	7	9	2	–	7-8	10	1500	1	3
1006·0	-20	SSE	5	rr	41	95	6	6	–	–	10	10	800	1	*
997·8	-22	SE	3	c	50	95	8	–	7	–	0	9	–	0	3
1000·6	-18	W	1	c	49	95	7	5	2	–	9	9+	800	2	0
1003·4	-22	S	3	c	47	95	7	5	–	–	10	10	1500	1	*
1004·2	-24	SW	3	o	47	95	7	5	–	–	10	10	800	0	2
1001·3	-26	SE	2	rr	49	95	7	6	–	–	10	10	1500	1	*
997·7	-30	SE'E	5	RR	51	95	6	6	–	–	10	10	800	1	4
1002·2	-32	SE	4	dd	49	95	86	5	–	–	10	10	800	1	5

PAST 24 HOURS.

Weather. 7h.–18h. 6th (37)	Weather. 13h.–18h. 6th (38)	Weather. 18h. 6th to 1h. 7th (39)	Weather. 1h.–7h. 7th (40)
c	cm.	crr.m.	cir.m.
bccm	c3.d.	cbcpr	bccrr
bcc bcc	cid.c	ord.	orr.d
om.c	cd.c m.	cr.bcorm.	corr m.
cm.id.	om.or	oir m.	orr m.
ocid.m.	d	cir.rr	oir.
o	o	*	o
cf m.c	co	cbcorr.r.	ord.m.
cbc m.	cm.c	cr bc	cir o
bcc p.c	cbc3.c m.	c m.c	cr.c
od.c	cm.m.	cm.m.	or.oq
cr.c	cm.c	corm.	odd.m.
cbc	bcc	coir.	oir. r
c	c	c crr.	crr dd
cbcc	cor.	r. o	orr
df dc	co	oprrr3.	oR o
omd.d.	cprd.r.r.	cr.RR.r	crr q
opr.c	cpr.c	crr q	rr prc
id.im	cir.m	orrir	cp. bc
oc	oco	opre	cpr bc
cm.c	cm. pr.c	cqirm.cfir	cqfirmc
fcd.c	pr.c	r.r.om.	rff
c	bccr.	crr.m	or.m.
ccbc	bccp.	prcr.	r. oid
c	cbc	bcc	cor.
cpdc	bc	oc3	odrc
c	c3.	c3.	oir. fd.
bcffdcm	cm.	coir.	oir.
cdfm.	c	circ	cidrfo
oddm	oid.cmc	om	or. orrm
ocid.m.	cid.r.m.	corrm.	orrm.
ofdd	oddom.	o orr	orrm
fmid.cdr	ciR	cr.rr	rrRc
cd.d.rr	cid m.	cid.	cpr
c	o	*	c
od.d.	fefer.	or r.	or.r.
c	cr.r	cr.r	cr.r
c	corr m.	orrm.fe	fe.cirm.
id.	c	Prcq	prc
ofcp.d	cpr.	cpr	c
oid.	cid.c	odd d.	odd
coid.	oid.o	oid.3	oid.
crco	ocor	oir	oir
cid.	cid.r.r.RR	Ririr.c	cpr.c
codd	odd	odd	odcir.

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, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—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.
"t r" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
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.

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.*

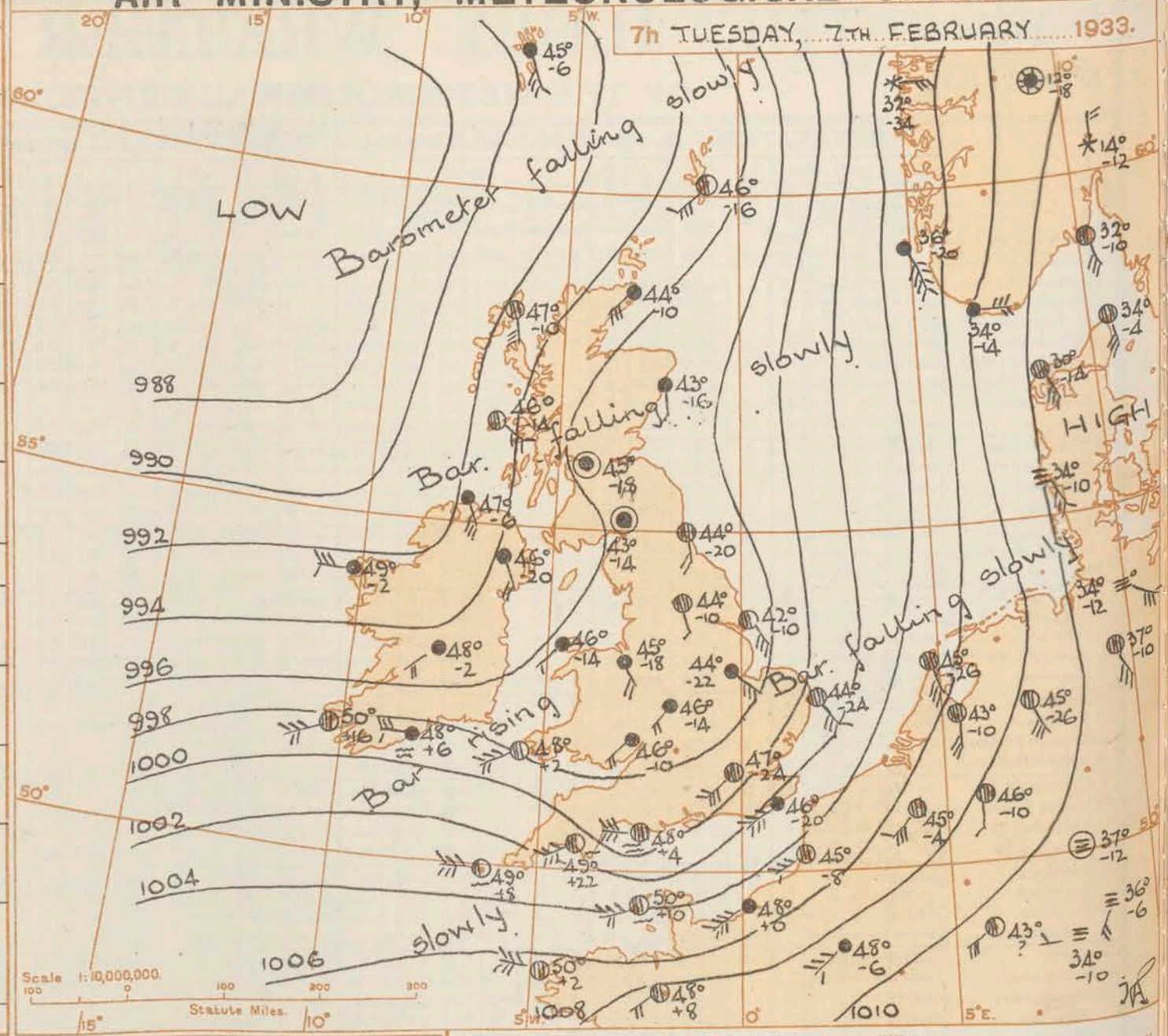
REPORTS from HEALTH RESORTS for 6th FEBRUARY ..... 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 5th to 9h. 6th	Temperature. Max. 9h.—17h. 6th	Rainfall. Night. 17h. 5th to 9h. 6th	Rainfall. Day. 9h.—17h. 6th	Sunshine. Sunrise to Sunset. 6th
1	Tunbridge W.	o	o	47	49	-	-	0·0
	Bournemouth	o	o	46	49	-	-	0·0
	Ventnor ...	odfo	o	46	47	Trace	0·3	0·0
	Southsea ...	o	o	46	50	Trace	-	0·2
	Bognor Regis	od$_o$c	c	46	48	Trace	Trace	0·0
	Littlehampton	cd	cdc	45	48	0·1	Trace	0·0
	Worthing ...	c	od$_o$o	45	49	-	Trace	0·1
	Brighton ...	ofo	o	45	47	-	-	0·1
	Eastbourne†	bcor$_o$o	o	45	50	-	Trace	0·4
	Hastings† ...	oco	co	45	50	-	-	0·0
	Folkestone ...	om$_o$	o	45	49	Trace	-	0·0
	Dover... ...	o	od$_o$	45	48	Trace	Trace	0·0
	Deal	ocbc	o	47	51	-	-	0·3
	Ramsgate ...	c	cbcc	47	51	-	-	0·6
	Margate ...	c	bcc	48	53	-	-	1·4
2	Southend ...	obc	bco	46	52	Trace	-	2·8
	Maldon ...	ocb	bcc	49	54	-	-	2·0
	Clacton-on-Sea	bcc	c	47	52	-	-	0·9
	Dovercourt ...	bccoc	oc	49	53	-	-	0·0
	Lowestoft ...	cobc	ccm$_o$	47	55	0·2	-	0·5
	Skegness ...	om$_o$	om$_o$	~~39~~	52	Trace	-	0·0
	Mablethorpe	c	c	45	55	Trace	-	0·3
	Cleethorpes ...	oc	co	47	55	-	-	0·3
3	Leamington S.	bcc	c	48	52	-	-	2·1
4	Cheltenham†	bcqc	c	45	52	-	-	0·6
5	Bath	c	c	49	51	2	-	0·0
	Weymouth ...	d$_o$c	c	41	49	0·2	0·1	0·0
	Jersey ...	c	c	47	48	-	-	1·7
	Torquay ...	d$_o$po	or$_o$po$_o$	47	49	Trace	0·1	0·0
	Penzance ...	om	om$_o$	47	50	0·5	1	0·0
	St. Ives ...	o	o	47	55	-	-	0·0
	Bude	o	or$_o$r$_o$	49	50	-	0·2	0·0
	Ilfracombe ...	bcc	cod	48	53	0·2	0·4	1·0
6	Aberystwyth	cr$_o$c	c	46	52	1	-	0·9
7	Llandudno ...	c	c	47	51	0·3	-	0·7
	Colwyn Bay...	cbc	c	49	52	-	-	0·9
	Rhyl	cbc	bcc	50	52	1	-	1·7
8	Wallasey ...	cbcb	bbcc	47	55	1	-	3·2
	Southport‖ ...	ocbc	bcco	46	52	1	-	1·3
	Blackpool ...	oc	co	45	50	3	-	0·6
	Morecambe ...	c	cbbcc	44	48	2	-	0·3
9	Ilkley... ...	do	bc	46	52	1	Trace	0·0
10	Berwick-on-T.	od$_o$	o	43	52	0·2	Trace	0·0
11	Dunbar ...	om$_o$r$_o$	bc	43	55	Trace	-	0·2
12	Troon... ...	rodo	or$_o$o	46	50	0·6	Trace	0·0
	Douglas ...	om$_o$ir	om$_o$ir	47	50	0·5	1	0·0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h TUESDAY, 7TH FEBRUARY ..... 1933.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◎ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— ○ Clear sky. ◔ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 5/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✳ Snow. ✳ Sleet ▲ Hail ≡ Fog ≡ Mist. T Thunder. ⊠ Thunderstorm.
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 Feb. 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Wind southwest or west, moderate or fresh; bright intervals after local rain or drizzle at first; rather mild.
5. S.W. England 6. South Wales 7. North Wales	Moderate or fresh westerly wind, strong locally, backing later; fair intervals and local showers at first, perhaps rain later; rather mild.
8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Light or moderate southerly wind, veering; cloudy or dull, occasional rain or drizzle, bright intervals later; rather mild.
13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15 N.E. Scotland 16. Orkneys and Shetlands.	Moderate or fresh south to southwest wind; cloudy or dull, occasional rain or drizzle, perhaps bright intervals later; rather mild.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate or fresh westerly wind, strong locally, backing later; local showers and bright intervals at first, probably rain later; rather mild.

GENERAL INFERENCE.

Pressure is high over Southwest Europe and Eastern Greenland and low to south and southwest of Iceland. A trough of low pressure over the British Isles is moving northeast. Weather will be rather unsettled and mild.

FURTHER OUTLOOK.

Unsettled and rather mild.

Forecasts issued at 1000 G.M.T.

G. C. SIMPSON, 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.

Morning of
TUESDAY
7TH. FEBRUARY
1933.

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 the wind. Number of feathers indicate Beaufort Force.
⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 7th February, 1933.

No. 26,010.

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

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	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croyden ...	217	1005·2	-38	S	2	c/pr	46	95	6	7	-	-	7-8	7-8	1500
	S. Farnborough	287	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1004·0	-38	SSE	5	ir.	46	95	6	5	-	-	10	10	1500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1007·4	-40	S'W	3	r.r.	44	95	5	6	-	-	10	10	450
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1006·1	-36	SSE	4	c	43	95	6	8	-	-	9+	9+	1500
	Cranwell ...	240	1003·8	-36	SE	3	o/r	44	95	5	5	-	-	10	10	450
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1001·1	-38	S'E	4	rr	47	95	6	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1000·9	-8	W'S	5	rr	49	95	7	8	-	-	10	10	2500
	Scilly (St. Mary's)	163	999·6	-4	W'N	7	c/r	49	95	7	9	-	-	9	9	2500
	Guernsey ...	175	1004·8	-32	SSW	5	c	49	95	7	5	1	-	7-8	10	2500
6	Pembroke ...	142	997·4	-36	SW	32	rf	47	95	3	5	-	-	10	10	<150
7	Holyhead ...	26	1000·7	-34	SE'S	2	o	46	95	6	5	-	-	10	10	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1003·7	-18	SSE	4	c	43	95	5	-	1	-	0	7-8	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1002·1	-22	S	2	ir.	46	95	6	6	-	-	10	10	1500
11	Inchkeith ...	190	1001·7	-18	NE	2	c	43	95	7	5	2	-	7-8	10	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	995·7	-16	S	3	c/d	47	95	7	5	2	-	7-8	10	800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	997·7	-14	WSW	3	r.r.	45	95	7	9	1	-	4-6	9	1500
16	Lerwick ...	54	998·5	-20	S	3	f	45	95	2	5	-	-	10	10	<150
17	Blacksod Point	18	993·6	-10	SE	6	q	49	95	7	9	-	-	9	9	450
18	Malin Head ...	52	995·4	-16	S'E	3	pr.	49	95	7	8	7	-	7-8	9+	800
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	996·0	-6	SSW	3	c	50	95	8	4	-	-	10	10	4000
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)...	998.6	-26	SSW	4	c	48	95	6	8	2	-	7-8	10	800	1	*
	Croyden ...	999.5	-24	SSW	4	c/r	47	95	6	5	-	-	10	10	800	1	*
	S. Farnborough	999.0	-20	SW	4	d.d.	47	95	6	6	-	-	10	10	450	1	*
	Winchester ...	998.7	-4	SW'S	4	r.r.	47	95	6	6	-	-	10	10	800	1	*
	Boscombe Down	998.5	0	SW	4	rr	47	95	6	6	-	-	10	10	450	1	*
	Calshot (S'thmtn)	999.2	0	SW	4	r.r.	47	95	6	6	-	-	10	10	450	1	2
	Dungeness ...	*	*	SW	4	d.r	*	*	5	3	-	*	9+	9+	450	*	3
	Lympne ...	1002·3	-20	SW'S	6	ir	46	95	6	5	-	-	10	10	450	1	*
2	Shoeburyness	1000·3	-26	S'E	4	id.	47	95	7	6	-	-	10	10	800	1	*
	Felixstowe ...	1001·1	-22	S'E	5	c	44	95	7	5	-	-	10	10	800	1	3
	Gorleston ...	1001·4	-24	SE'S	4	o	44	95	6	6	-	-	10	10	1500	1	3
	Cranwell ...	997.6	-22	SE'E	3	dd.	44	95	5	5	-	-	10	10	450	1	*
3	Birmingham ...	997.3	-14	SSW	2	ir	45	95	7	6	-	-	10	10	1500	1	*
	Upper Heyford	997.6	-18	SSW	3	dd	46	95	6	6	-	-	10	10	450	1	*
4	Ross-on-Wye ...	997.2	-10	SW	2	rr	46	95	6	6	-	-	10	10	2500	1	*
5	Portland Bill...	999.7	+4	W	6	o/r	48	95	7	5	-	-	10	10	1500	2	5
	Plymouth ...	1002·0	+22	WSW	6	q	49	85	7	5	-	-	9+	9+	1500	1	4
	The Lizard ...	1003.6	+10	W'S	6	bc	49	95	7	8	-	-	4·6	4·6	2500	1	4
	Scilly (St. Mary's)	1002·9	+8	W'N	6	bc	49	95	7	5	4	-	2·3	2·3	4000	1	4
	Guernsey ...	1005·2	+20	W'S	5	bc	50	95	6	8	-	-	4·6	4·6	2500	1	4
6	Pembroke ...	998.0	+2	W'S	5	q	48	95	7	5	-	-	9+	9+	1500	1	3
7	Holyhead ...	996·2	-14	SSW	1	r.f	46	95	3	5	-	-	10	10	<150	1	0
	Chester (Sealand)	995.4	-18	SSE	2	dr	45	95	6	6	-	-	10	10	800	1	*
8	L'pool (Bidston)	994.9	-14	SSE	3	dd.	45	95	7	6	-	-	10	10	1600	1	*
9	Harrogate ...	997.2	-10	SSE	1	o/r.	44	95	5	6	-	-	10	10	2500	1	*
10	Spurn Head ...	997.8	-10	SSE	4	c	42	95	5	5	2	-	4·6	10	1500	1	3
	Catterick ...	996.6	-20	SE'S	3	df	44	95	3	5	-	-	10	10	220	1	*
	Tynemouth ...	997.0	-20	S	2	o/r	44	95	6	6	-	-	10	10	1500	1	2
11	Inchkeith ...	997.0	-20	NE	2	rF	43	95	1	6	-	-	10	10	<150	1	2
	Leuchars ...	997.6	-14	N	1	r.r.	42	95	4	6	-	-	10	10	<150	1	*
12	Renfrew ...	996·6	-18	-	0	r.r.	45	95	5	6	-	-	10	10	800	2	*
	Eskdalemuir ...	996·0	-14	-	0	r.r.	43	95	4	6	-	-	10	10	450	1	*
13A	Tiree	993.5	-14	SE'E	4	c	46	95	6	5	7	-	9	10	1500	1	3
13B	Stornoway ...	993.0	-10	S	3	c	47	95	7	5	2	-	7·8	10	800	1	2
15	Dalwhinnie ...	996.4	-8	-	0	ir.	42	95	7	4	2	-	2·3	10	1500	1	*
	Aberdeen ...	996.4	-16	S	1	r.r.	43	95	5	6	-	-	10	10	220	1	1
	Wick	994.9	-10	SW	3	r.r.	44	95	7	9	2	-	7·8	10	1500	1	2
16	Lerwick ...	995·3	-16	SSW	4	c/r	46	95	6	8	-	-	10	10	800	1	*
17	Blacksod Point	993·0	-2	W	4	pr	49	95	7	9	-	-	9	9	220	1	3
18	Malin Head ...	992·2	-6	S'E	3	pr	47	95	7	8	1	-	9	9+	800	1	1
	Aldergrove ...	994.8	-20	SSE	2	dd.	46	95	6	5	-	-	10	10	450	1	*
	Donaghadee ...	995·3	-8	SW	2	id.	46	95	7	5	-	-	10	10	800	1	1
19	Birr Castle ...	994·8	-2	SW	2	ir	48	96	7	6	-	-	10	10	1500	1	*
20	Valentia Obsy.†	999·3	+16	WSW	5	c	50	85	8	8	3	-	7·8	7·8	2500	1	-
	Roches Point...	998.7	+6	W	4	ir.	48	95	7	6	-	-	9	9	1500	1	5

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)...	52	46	41	-	1	0.1
	Croyden ...	51	46	43	Tr.	3	0.1
	S. Farnborough	49	45	40	Tr.	2	0.0
	Winchester ...	49	45	43	Tr.	6	0.0
	Boscombe Down	48	44	43	Tr.	6	0.0
	Calshot (S'thmtn)	48	43	43	Tr.	4	0.0
	Dungeness ...	47	43	*	-	1	*
	Lympne ...	48	43	41	-	1	0.0
2	Shoeburyness	48	42	42	-	1	2.5
	Felixstowe ...	51	41	39	Tr.	0·3	0.1
	Gorleston ...	54	41	40	Tr.	0·2	0.2
	Cranwell ...	55	43	42	Tr.	1	2·3
3	Birmingham ...	50	44	43	-	2	1·9
	Upper Heyford	49	44	43	-	3	*
4	Ross-on-Wye ...	51	46	44	0·1	3	0.2
5	Portland Bill...	48	46	*	0·2	8	*
	Plymouth ...	49	47	46	0·4	11	0.0
	The Lizard ...	50	48	*	0·1	11	*
	Scilly (St. Mary's)	50	48	*	1	9	0.0
	Guernsey ...	50	47	44	-	X3	0.0
6	Pembroke ...	51	45	*	Tr.	7	0.0
7	Holyhead ...	48	45	44	0·2	3	0.0
	Chester (Sealand)	56	45	44	Tr.	2	2·3
8	L'pool (Bidston)	53	44	43	Tr.	4	3·2
9	Harrogate ...	51	43	38	-	1	0.0
10	Spurn Head ...	53	41	*	Tr.	2	0.4
	Catterick ...	53	43	42	-	1	0.7
	Tynemouth ...	53	44	39	Tr.	2	*
11	Inchkeith ...	51	42	41	!	4	0.0
	Leuchars ...	48	42	40	0·4	2	0.0
12	Renfrew ...	53	44	44	0·3	7	0.0
	Eskdalemuir ...	47	41	41	3	3	0.0
13A	Tiree	49	46	45	1	6	0.0
13B	Stornoway ...	48	46	*	2	0·1	0.0
15	Dalwhinnie ...	45	39	38	Tr.	1	0.0
	Aberdeen ...	46	43	41	0·3	4	0.0
	Wick	44	43	*	2	4	*
16	Lerwick ...	43	39	*	2	9	0.5
17	Blacksod Point	52	47	*	Tr.	2	*
18	Malin Head ...	51	46	*	0·5	Tr.	0.0
	Aldergrove ...	50	46	44	0·5	4	0.0
	Donaghadee ...	52	45	*	0·2	0.5	*
19	Birr Castle ...	50	47	43	0·3	2	0.0
20	Valentia Obsy.†	51	46	8	2	2	0.0
	Roches Point...	52	47	*	2	2	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 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	c	cmo	crr.mo	52	46	41	-	1	0·1	*	*	6
Croydon	217	bccm	c3.do	cbcprerr	51	46	43	Tr.	3	0.1	*	*	6
Greenwich (Royal Observatory) ...	149	c	c	cpr rd.	53	45	41	-	2	0·1	86	91	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.1	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	51	47	43	1		0.3	84	89	*
†Regents Pk. (Botanic Gardens) ...	168	*	*	*	52	47	43	2		0.2	85	93	*
Camden Square	110	c	c	*	51	47	43	-	2	*	*	91	*
Kensington	80	oco	coe	*	51	47	42	Tr.	1	0.1	At 18h.	94	*
Hampstead Observatory	450	obc	bc	or	50	44	38	0·3	1	0.9	86	98	*

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 6th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 7th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1016·5	ESE	1	c	48	1009.5	SW	4	ir.	48
Brussels	1017·2	SSW	3	d.d.	46	1007·2	SSW	4	c	45
Berlin	1016·3	NW'N	4	d.d.	39	1016·0	ESE	3	c	36
Zürich	1022·4	S	1	bc	45	1016·3	SE	2	c	36
Rome	1013·1	NNW	3	b	54					

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
62	43	Tr.	Tr.
48	43	!	Tr.
48	36	!	0.2
55	34	-	-
59		-	

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

SOUTH KENSINGTON.

Max.	Time.	Min.	Time.
0.8	20-21h 6th	Nil	0-6h. 7th.

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
0·2	20h.6th	<0·1	1-6h. 7th.

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.

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.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†Hr. observations are from Valentia W/T station. ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 8th February, 1933.

No. 26.011

District.	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 7th February														OBSERVATIONS at 18h. G.M.T. 7th February														PAST 24 HOURS.			
		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)	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	Weather. 7h.–13h. 7th	Weather. 13h.–18h. 7th	Weather. 18h. 7th to 1h. 8th	Weather. 1h.–7h. 8th
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)
1	London (Kew)...	1000·1	+8	WSW	4	c	52	75	7	8	–	–	9+	9+	1500	1004·1	+3·0	W	3	c	51	75	7	8	–	–	10	10	800	1	•	cir.c	cp.	bm.	bcc p.m.
	Croydon ...	1000·6	+8	WSW	5	c	51	75	6	5	3	–	9	9+	1500	1003·9	+2·8	W	4	c	50	75	6	5	–	–	10	10	1500	1	•	r.c	cpr.c m.	cb m. cu	cm. r.
	S. Farnborough	1000·8	+10	WSW	4	ir.	50	85	7	6	–	–	9+	9+	800	1004·9	+2·8	W	4	c	49	85	7	5	–	–	10	10	1500	1	•	rr cir.	ir. bcc	cb, c	cor o
	Winchester ...	1001·5	+10	SWW	4	pr.	48	95	6	6	2	–	9+	10	800	1005·6	+2·6	W	4	c/pr.	48	85	7	5	–	–	9+	9+	2500	1	•	orr cpr. m.	cPR cpr.	cbc bbc	bc cor. m.
	Boscombe Down	1001·5	+14	W'N	4	ir	48	95	6	6	2	–	9	10	450	1005·4	+2·6	W'N	4	c	47	85	7	5	3	–	4-6	7-8	1500	1	•	orr cir	cm. pr.	c	co
	Calshot, S'thmtn	1002·3	+10	SWS	4	c/pr.	50	85	6	5	7	–	4-6	10	2500	1005·7	+2·4	W'S	4	bc	49	75	7	5	3	–	2-3	2-3	2500	1	2	or. r. cpr. m.	cpr. bc	bcwc	coffe
	Dungeness ...	*	*	SW	5	c/r	*	*	5	8	–	*	9	9	800	*	*	SW	4	c	*	*	6	8	–	*	7-8	7-8	1500	*	4	r	bc	*	bc
	Lympne ...	1002·3	+10	WSW	5	c	49	85	7	5	–	–	9+	9+	800	1004·6	+1·8	WSW	4	c	47	95	6	5	–	–	9+	9+	1500	1	•	r. r. dfrc	cpr. cm.	cm. bcc	cm. f
2	Shoeburyness	1000·0	+4	SW	4	c	51	85	6	8	–	–	9+	9+	1500	1002·9	+2·6	SW	4	c	50	85	6	5	1	–	7-8	9	1500	1	•	cid. irm.	cm.	cm.	cm.
	Felixstowe ...	999·2	0	SW	4	rr	47	95	4	6	–	–	10	10	450	1001·8	+2·4	SWW	4	ir.	50	85	7	5	–	–	9	9	800	1	3	cd. m. r. r.	cd. c3r.	cr. cp.	bcm.
	Gorleston ...	998·3	–6	SSW	3	c	48	95	6	8	–	–	9+	9+	1500	999·7	+2·0	WSW	2	c	48	95	6	5	–	–	9	9	2500	1	2	oi d. q	coi r. q	coi d.	ocq
	Cranwell ...	996·2	+2	SWW	1	ir.	46	95	6	6	–	–	10	10	800	1000·4	+2·8	W'S	4	ir	46	95	5	6	1	–	9+	10	800	1	•	d. r. c	cir. r	cr. cm.	cm.
3	Birmingham ...	998·1	+6	W	4	pr.	48	85	7	6	3	–	4-6	7-8	1500	1003·3	+3·4	W	4	c	48	95	8	5	–	–	9+	9+	1500	1	•	orr r.	cpr.	c bc	bcc r.
	Upper Heyford	999·3	+1·8	WSW	4	ir.	49	85	8	6	2	–	9	10	1500	1003·8	+3·4	SW	6	c	49	85	8	6	2	–	7-8	9	800	1	•	cr. r.	cir. c	cbc	bcor.
4	Ross-on-Wye ...	999·5	+1·4	W	4	pr	52	75	8	9	–	–	9	9	2500	1005·2	+4·0	W	3	bc	49	75	8	8	3	–	4-6	4-6	4000	1	•	rcc	p. cc	bcc	c
5	Portland Bill...	1002·9	+1·8	W'S	5	c	49	95	7	2	–	–	7-8	7-8	2500	1007·0	+2·2	WNW	4	c	48	95	7	4	2	–	4-6	7-8	2500	?	4	c	c	c	off rr c
	Plymouth ...	1004·6	+1·4	W	6	q	53	75	8	9	–	–	9+	9+	1500	1008·9	+2·4	W'N	5	c	50	85	6	5	–	7	4-6	10	2500	1	3	cpr. m. q	cm.	c mor	orr r. d.
	The Lizard ...	1007·0	+1·4	W	5	bc	51	85	7	8	1	1	2-3	4-6	4000	1009·6	+1·6	W	4	c	49	95	7	4	6	–	7-8	10	4000	1	3	bc	bcc	ff drr	F f e
	Scilly (St. Mary's)	1006·7	+2·0	WNW	6	bc	52	95	6	1	5	–	Tr.	4-6	4000	1009·6	+1·4	W	4	c	50	95	6	5	–	–	9+	9+	4000	1	4	cp. bc	bcc	r. id q	odfffm
	Guernsey ...	1007·0	+1·2	WSW	4	bc	51	95	6	8	–	–	4-6	4-6	2300	1009·9	+2·4	W'N	4	c	49	85	6	–	2	–	0	10	–	1	4	cpr bc	bcco	cor f	or f
6	Pembroke ...	1002·3	+2·0	W	5	q	49	85	7	4	3	2	4-6	4-9	1500	1005·7	+2·6	W	3	c	48	85	6	5	–	–	9+	9+	2500	0	2	cq bc q m.	bc q c m.	bc id. fc	orc fe q c
7	Holyhead ...	999·4	+2·2	W	5	c	50	95	6	5	3	–	4-6	7-8	1500	1004·3	+3·4	WSW	3	bc	48	85	6	5	–	–	2-3	2-3	4000	1	2	f id.	d. c d. q	bcom cu	r. r. m.
	Chester (Sealand)	997·2	+1·4	W'N	4	c/R	50	85	6	6	2	–	7-8	10	800	1002·4	+3·4	W'N	5	c	50	75	7	5	–	–	9+	9+	1500	1	*	oRRf	iDm.	cpr. v	c
8	L'pool (Bidston)	996·8	+1·0	NW'W	4	rr	45	95	5	5	–	–	10	10	450	1001·8	+3·0	WNW	6	iD	46	95	6	5	2	–	7-8	10	1500	2	*	rmrF	iFrirdcpr.	bc od o	oi d o c
9	Harrogate ...	996·4	0	–	0	c	45	95	4	6	2	–	9	10	<150	1000·0	+1·4	SW	1	rr	44	95	5	6	2	–	9	10	2500	1	*	r. c m	m c r r	r r c bc	bbc
10	Spurn Head ...	995·7	–4	SSE	3	d	43	95	4	5	2	–	4-6	10	220	998·2	+·8	WNW	5	if	44	95	4	5	2	–	4-6	9+	220	1	3	cf d	d f f	f d r r c	p
	Catterick ...	996·2	+2	–	0	0	46	95	6	5	–	–	10	10	800	999·3	+2·4	W'S	2	rr	45	85	5	6	–	–	10	10	800	1	*	of d. d. in.	om. cr. m.	cr m. c	cwc
	Tynemouth ...	996·3	0	SSE	2	0	45	95	6	6	–	–	10	10	1500	999·6	+1·6	W	2	0	47	95	5	6	–	–	10	10	1500	1	2	om	om	oir. bc	co
11	Inchkeith ...	996·2	–1·0	E	2	if	44	95	5	5	–	–	10	10	800	997·7	+1·0	SW	1	if	44	95	4	5	–	–	10	10	800	1	1	orf rc	r f r f o	cm. c	c
	Leuchars ...	996·6	0	NW	1	r. r.	44	95	4	5	–	–	10	10	<150	997·9	+1·0	SW	1	c/r.	44	95	4	5	4	1	7-8	9+	800	1	*	od. d. f m	or. r. m c	cb c m.	c m.
12	Renfrew ...	996·3	+6	–	0	of	45	95	3	5	–	–	10	10	800	997·9	+1·4	SW	2	o/r.	47	95	5	5	–	–	10	10	1500	1	*	r. m. d f f	f f m d. r.	cm.	cm. id.
	Eskdalemuir ...	996·3	+6	SW	1	dd	43	95	4	6	–	–	10	10	<150	998·6	+2·0	SWW	2	id.	44	95	5	6	–	–	10	10	220	·1	*	of id	cid.	cpr c	cod e m
13A	Tiree	993·9	+6	SSE	4	c	48	95	6	6	2	8	4-6	10	800	997·2	+3·4	WSW	4	c	46	95	6	5	7	–	7-8	9+	1500	1	3	cir r.	c	c	ir id r
13B	Stornoway ...	993·1	+4	SSW	3	c	48	95	8	8	7	–	7-8	9+	1500	993·0	0	S	2	id.	46	95	6	5	2	–	7-8	10	1500	1	1	c	cm.	cid.	cid. r.
15	Dalwhinnie ...	995·1	0	SW	2	c	45	85	8	4	4	–	7-8	9	800	996·8	+·8	SW	2	c	43	95	7	4	2	–	4-6	9	800	1	*	c	c	*	bc
	Aberdeen ...	995·7	–2	S'E	3	of	45	95	3	5	–	–	10	10	<150	997·0	+·6	S	2	d. d.	44	95	5	6	–	–	10	10	450	1	1	or f f	of f d.	od., b	bx bc w
	Wick	994·2	–·6	SSW	2	c	44	95	7	8	1	–	7-8	10	1500	994·4	+·2	SSW	3	c	44	95	5	8	2	–	9	10	1500	1	2	c r c	f f c m.	c	c
16	Lerwick ...	994·7	–4	SW	4	o/r.	45	95	4	5	–	–	10	10	450	995·1	+·2	S'E	4	ir.	45	95	4	5	–	–	10	10	450	1	*	coir. m	cir. m	oir. r. m	oir. c
17	Blacksod Point	999·8	+3·6	W	4	pr.	50	85	7	9	–	–	9	9	450	1000·9	+1·0	S	4	q	48	95	7	9	7	–	4-6	7-8	220	1	3	pr. c	p. c	pr c q	ir c q
18	Malin Head ...	995·1	+2·0	SW	4	d. d.	48	95	6	8	2	–	9	10	450	998·9	+2·8	WSW	3	c	46	95	7	5	–	–	7-8	7-8	1500	1	1	ca. d.	cp d	cpr.	cpr
	Aldergrove ...	996·9	+1·4	WSW	3	c/d.	48	95	7	5	2	–	9	9+	800	1001·2	+2·4	SW'W	4	bc	44	85	7	5	–	5	1	2-3	1500	1	*	od. c	cr.	bcc r.	cr c c
	Donaghadee ...	996·0	+1·4	SW	1	c	50	95	7	5	–	–	7-8	7-8	1500	1000·5	+1·2	W	2	bc	48	85	7	5	3	–	2-3	4-6	1500	0	1	oi d. c	cbc	o	oi d o
19	Birr Castle ...	1001·1	+3·0	W'N	4	c	51	75	7	8	–	–	9+	9+	2500	1003·2	+1·2	WNW	1	c	48	85	7	–	7	–	0	10	–	1	*	ir c	c	cr. r	oir.
20	Valentia Obsy.	1005·2	+2·8	SWW	4	jp	51	85	8	5	–	–	10	10	1500	1004·4	–·6	S'E	4	ir.	51	95	6	5	–	–	10	10	450	1	3	c	cir.	oid.	oid.
	Roches Point...	1004·2	+2·6	W	4	bc	51	75	8	3	–	9	2-3	4-6	1500	1006·1	+1·0	W	3	c	50	85	8	5	–	–	9	9	2500	0	4	cir. bc	bcc	coid.	oid.

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, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—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 $\frac{1}{10}$ 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

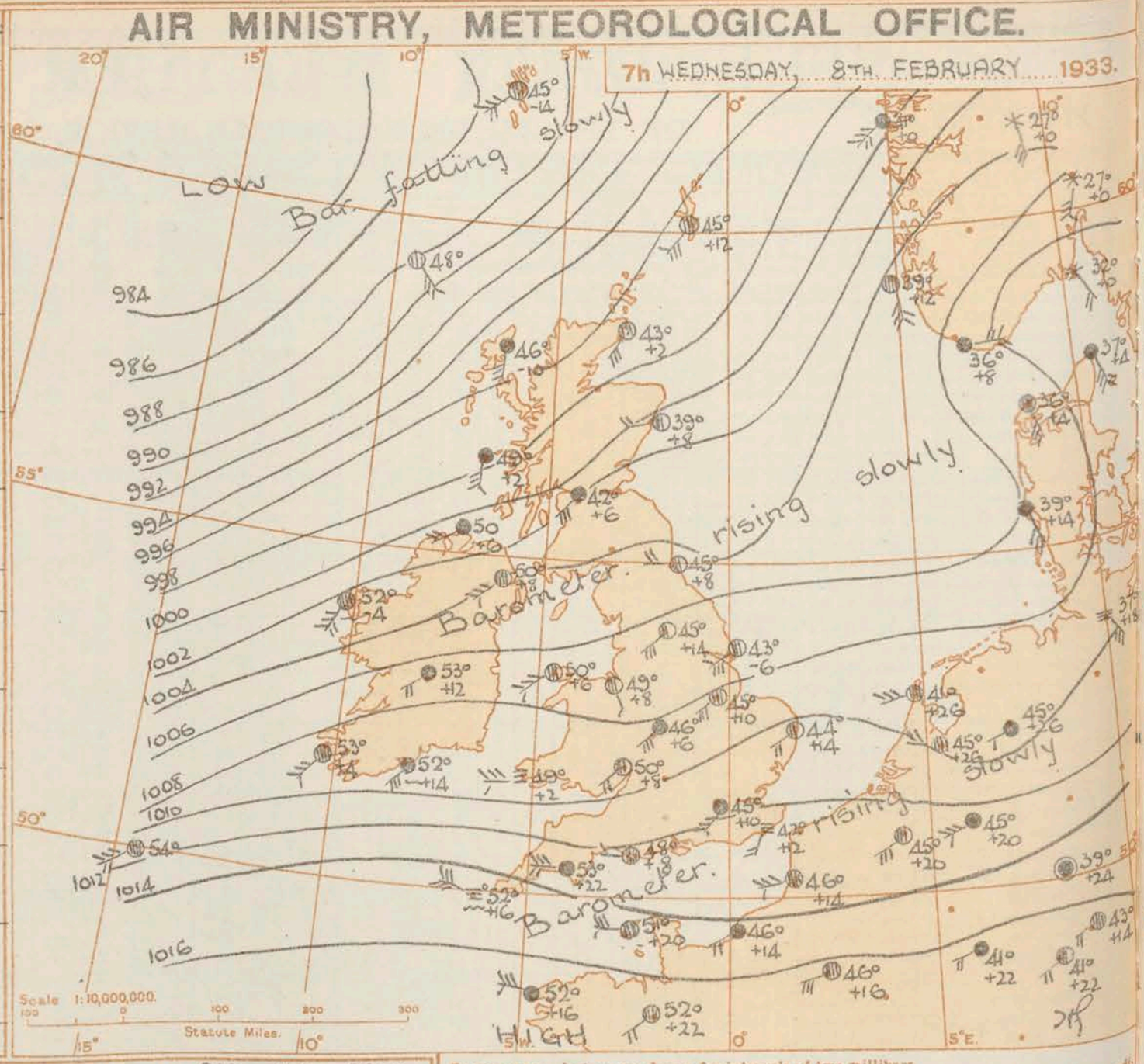
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

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.*

REPORTS from HEALTH RESORTS for 7th FEBRUARY 1933

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 6th to 9h. 7th	Temperature. Max. 9h.—17h. 7th	Rainfall. Night. 17h. 6th to 9h. 7th	Rainfall. Day. 9h.—17h. 7th	Sunshine. Sunrise to Sunset. 7th
1	Tunbridge W.	opo	opo	45	51	4	1	0·2
	Bournemouth	obc	bc	44	52	5	0·3	1·5
	Ventnor ...	robcz	obbcz	44	50	7	-	1·0
	Southsea ...	orbc	bcp	45	52	5	0·3	1·6
	Bognor Regis	rbc	bccbc	44	50	5	1	0·6
	Littlehampton	crbc	bcpc	45	49	4	1	1·1
	Worthing ...	op	bcir	45	49	5	1	1·2
	Brighton ...	rc bc	bcc	45	49	4	1	0·9
	Eastbourne†	roiro	oc	45	50	3	1	0·0
	Hastings† ...	ocirc	coc	44	49	3	0·5	0·0
	Folkestone ...	omir	orcbc	44	49	2	1	0·5
	Dover... ...	ro	roirbc	44	48	2	0·5	0·0
	Deal	o	obc	45	52	1	-	0·3
	Ramsgate ...	cod.c	c	44	52	0·6	0·2	0·4
	Margate ...	cd.	c	44	52	1	Trace	0·1
2	Southend ...	orc	cbco	43	48	1	0·6	0·3
	Maldon ...	cr	c	45	53	2	1	0·7
	Clacton-on-Sea	cpdorc	c	42	51	1	1	0·6
	Dovercourt ...	roc	boc	42	53	2	0·3	0·0
	Lowestoft ...	coid.	oir	42	50	Trace	1	0·0
	Skegness ...	orm.	ougrm	41	48	1	Trace	0·0
	Mablethorpe	orm.	om.	41	48	2	1	0·0
	Cleethorpes...	ov	oir.o	43	47	1	1	0·0
3	Leamington S.	or	opc	46	51	7	0·6	0·0
4	Cheltenham†	oibc	cibc	45	51	8	0·3	0·0
5	Bath	crc	crc	48	51	11	0·3	0·0
	Weymouth ...	c	idc	46	52	8	1	1·2
	Jersey ...	rcbc	cpc	46	50	3	Trace	2·3
	Torquay ...	Rqcp	crpbq	47	54	13	0·6	2·0
	Penzance ...	rcb	bc	48	54	8	-	4·1
	St. Ives ...	b	c	47	53	11	-	3·5
	Bude	doe	oe	44	49	1	-	0·0
	Ilfracombe ...	ro	o	48	50	8	1	0·0
6	Aberystwyth	crcm.	cm.id	45	47	4	1	0·0
7	Llandudno ...	rro	croc	45	49	5	5	0·0
	Colwyn Bay...	rro	opoc	45	50	6	2	0·0
	Rhyl	orro	od.dc	45	49	5	6	0·0
8	Wallasey ...	rr	iro	45	46	5	8	0·0
	Southport‖ ...	rr	ro	45	46	4	7	0·0
	Blackpool ...	or	or	45	46	7	5	0·0
	Morecambe ...	dor	rroro	44	47	6	6	0·0
9	Ilkley... ...	o	or	43	50	2	2	0·0
10	Berwick-on-T.	o	r.r.o	43	45	7	1	0·0
11	Dunbar ...	ofd	orrm	42	46	5	3	0·0
12	Troon... ...	roro	r.o.r.	44	47	13	0·3	0·0
	Douglas ...	om,ir	oirc	43	49	7	1	0·0

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



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 8th. Feb., 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Wind west to southwest, light or moderate, fresh locally; cloudy, occasional drizzle; mild.
5. S.W. England 6. South Wales	Wind west to southwest, moderate to strong; dull, occasional rain or drizzle, perhaps brighter intervals later; mild.
7. North Wales 8. N.W. England	Wind southwesterly, moderate to strong; cloudy or dull, occasional rain or drizzle, perhaps bright intervals later; mild.
9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind southwesterly, moderate or fresh; cloudy, occasional drizzle; mild.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland	Wind south to southwest, moderate or fresh to strong; cloudy or dull, some rain or drizzle; perhaps brighter intervals later; mild.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands	Wind south to southwest, moderate or fresh; cloudy, some rain or drizzle; mild.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind south to southwest, moderate to strong, veering west later; dull, some rain or drizzle, bright intervals later; mild.

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

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◯ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.— ◯ Clear sky. ◯ Sky less than 1/10 clouded. ◐ Sky 2/10 to 3/10 clouded. ◐ Sky 4/10 to 7/10 clouded. ● Overcast sky. ● Rain falling. ✱ Snow. ✱ Sleet ▲ Hail ≡ Fog ≡ Mist. ϒ Thunder. ⋈ Thunderstorm.
SEA DISTURBANCE.~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

Pressure is high over Spain and low to south and southwest of Iceland. Weather will be mild and rather unsettled.

FURTHER OUTLOOK.

Unsettled and mainly rather mild.

Forecasts issued at 1015 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

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

Morning of
WEDNESDAY
8TH. FEBRUARY.
1933.

Clarke's Projection. Scale 1.4 × 10⁷ along meridian at 55°N.
Statute Miles 0 100 200 300 400 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.
⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER in given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 8th February 1933.

No. 26,011

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

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	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croyden	217	10098	+22	W'S	3	C	44	85	6	-	-	6	0	9	-
	S. Farnborough	287	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1010.7	+14	WSW	4	C	47	85	7	5	-	-	9	9	4000
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	10101	+20	W'N	3	C	44	95	7	5	-	-	9+	9+	5700
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	10086	+20	W'S	3	0	48	95	6	6	-	-	10	10	1500
	Cranwell	240	10065	+30	W'S	4	C	45	95	6	5	-	8	4-6	9	5700
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1011.2	+16	W	4	C	47	95	7	4	4	-	7-8	9	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	222	1011.5	+2	W	4	rF	50	95	1	5	-	-	10	10	220
	Scilly (St. Mary's)	163	1011.5	+10	WNW	5	f	52	95	2	5	-	-	10	10	450
	Guernsey	175	10130	+2	SW'W	2	o/r	50	95	4	5	-	-	10	10	1500
6	Pembroke	142	10086	+4	WSW	23	C	48	95	6	5	-	-	10	10	2500
7	Holyhead	26	10062	+2	SSW	4	0	47	95	6	5	-	-	10	10	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	10042	+14	NW'W	5	C	45	95	5	5	2	-	4-6	9+	1500
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	67	10023	+20	W	3	C	46	95	7	6	-	-	7-8	7-8	1500
11	Inchkeith	190	10010	+20	WSW	3	C	45	95	7	5	-	-	9+	9+	1500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	9956	+6	S	2	C	45	85	7	8	6	-	4-6	9	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	9962	+10	WSW	3	C	44	95	8	5	1	-	7-8	10	2500
16	Lerwick	54	9952	+2	SW	4	o/r	45	95	4	5	-	-	10	10	450
17	Blacksod Point	18	10007	+8	S	5	C	52	95	7	9	-	-	10	10	450
18	Malin Head	52	9989	-6	S'W	3	pr	46	95	6	8	2	-	9	10	800
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	10066	+6	SW	4	dd	54	95	7	8	-	-	10	10	2500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
London (Kew)	1012.0	+10	SW'S	2	c|pr	46	95	6	5	2	-	9	10	1500	1	*
Croyden	1011.6	+10	SSW	4	r.r.	45	85	6	5	2	-	9	10	2500	1	*
S. Farnborough	1011.9	+10	WSW	2	0	47	95	6	5	-	-	10	10	800	1	*
Winchester	1011.9	+14	SW'S	3	0	48	95	6	5	-	-	10	10	800	1	*
Boscombe Down	1011.7	+10	SW'W	3	0	48	95	7	5	-	-	10	10	450	1	*
Calshot (S'thmtn)	1012.1	+12	SW	3	of-	47	95	2	5	-	-	10	10	220	1	1
Dungeness	*	*	SW	3	c	*	*	4	4	-	*	10	10	450	*	3
Lympne	1013.2	+12	SW'W	2	cf	42	95	3	5	-	-	9+	9+	450	1	*
Shoeburyness	1012.0	+16	SW	3	c	44	95	6	5	3	-	2-3	9	4000	1	*
Felixstowe	1011.3	+10	SW	2	c	43	95	6	-	3	1	0	7-8	-	1	1
Gorleston	1010.7	+14	SSW	2	bc	44	95	7	4	-	-	4-6	4-6	2500	1	2
Cranwell	1008.7	+10	SW	3	c	45	95	6	5	-	-	9	9	4000	1	*
Birmingham	1009.5	+6	SW	3	r.	46	95	6	6	7	-	4-6	9+	800	1	*
Upper Heyford	1011.2	+12	SW	3	r	45	95	6	5	-	-	10	10	4000	1	*
Ross-on-Wye	1010.0	+8	SW	2	c	50	85	7	8	1	-	7-8	9	4000	1	*
Portland Bill	1012.5	+8	W	1	c|r	48	95	7	4	-	-	10	10	1500	1	3
Plymouth	1013.7	+22	W	5	id.	53	95	7	5	-	-	10	10	1500	1	3
The Lizard	1014.9	+16	W'N	3	oF-	50	95	1	5	-	-	10	10	220	1	3
Scilly (St. Mary's)	1014.2	+16	W'N	6	0	52	95	4	5	-	-	10	10	450	1	4
Guernsey	1014.9	+20	W	4	fs	51	95	4	5	-	-	10	10	450	1	3
Pembroke	1009.4	+12	W	4	F	49	95	0	5	-	-	10	10	<150	1	-
Holyhead	1007.5	+16	SW'W	4	C	50	96	6	5	7	1	2-3	9+	800	1	2
Chester (Sealand)	1007.0	+8	SSE	1	C	49	85	7	5	2	-	4-6	9+	2500	1	*
L'pool (Bidston)	1007.0	+14	SW'S	2	c|d.	50	95	8	5	-	-	9+	9+	2500	1	*
Harrogate	1006.5	+14	SW	3	C	45	95	7	6	4	8	2-3	7-8	4000	1	*
Spurn Head	1007.2	-6	SW	4	C	43	96	6	5	7	-	4-6	9	1500	0	2
Catterick	1005.9	+18	SSW	3	C	47	85	8	4	3	-	4-6	9	1500	1	*
Tynemouth	1004.0	+8	W	2	0	46	85	6	6	-	-	10	10	1500	1	1
Inchkeith	1002.4	+4	SW	2	C	45	95	7	5	7	-	4-6	9+	2500	0	1
Leuchars	1002.3	+6	W	3	C	44	95	6	5	1	-	9+	9+	2500	1	*
Renfrew	1002.1	-2	SW	3	id.	48	95	6	5	2	-	9	10	1500	1	*
Eskdalemuir	1004.5	+6	SSW	3	dd	42	95	4	6	-	-	10	10	<150	1	*
Tiree	997.9	+2	S	4	dr	49	95	5	5	-	-	10	10	800	1	3
Stornoway	994.4	-10	S	3	id.	46	95	6	5	-	-	10	10	1500	1	1
Dalwhinnie	1000.6	0	S	4	bc	42	85	8	4	-	-	4-6	4-6	1500	0	*
Aberdeen	1000.3	+8	W'S	2	C	39	95	6	-	3	-	0	9	-	1	1
Wick	997.6	+2	SSW	3	C	43	95	8	8	1	-	7-8	9	2500	1	2
Lerwick	996.6	+12	SSW	4	C	45	95	7	8	-	-	9+	9+	1500	1	*
Blacksod Point	1002.1	-4	S	5	q	52	95	7	5	-	-	10	10	-	1	4
Malin Head	999.8	+6	SW	2	pr	50	95	7	8	2	-	9	10	800	1	1
Aldergrove	1002.9	+8	SSW	4	C	50	95	7	5	7	-	7-8	9+	450	1	*
Donaghadee	1003.1	+4	W	2	id.	52	96	7	5	-	-	10	10	800	1	1
Birr Castle	1006.2	+12	SW	2	r.	53	95	7	5	-	-	10	10	2500	1	*
Valentia Obsy.†	1008.8	+4	SSW	4	o|d.	53	95	5	5	-	-	10	10	450	1	-
Roches Point	1009.9	+14	SW	3	id.	52	95	6	5	-	-	10	10	800	1	4

PAST 24 HOURS.

Stations	Temperature. Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 7h Hrs. (36)
London (Kew)	52	44	40	1	Tr.	0.5
Croyden	53	44	41	2	Tr.	0.4
S. Farnborough	51	43	37	1	0.1	0.3
Winchester	51	42	38	4	Tr.	0.3
Boscombe Down	49	42	39	3	-	0.2
Calshot (S'thmtn)	51	44	39	1	Tr.	0.7
Dungeness	49	41	*	3	Tr.	*
Lympne	51	40	37	2	-	0.5
Shoeburyness	52	40	36	0.6	-	0.2
Felixstowe	52	42	39	1	0.2	0.1
Gorleston	50	43	40	0.6	0.1	0.0
Cranwell	48	41	39	2	1	0.0
Birmingham	50	42	37	10	0.1	0.0
Upper Heyford	51	41	37	3	0.1	*
Ross-on-Wye	52	45	38	1	-	0.3
Portland Bill	49	47	*	-	0.4	*
Plymouth	53	47	44	Tr.	1	2.6
The Lizard	52	47	*	3-	0.6	*
Scilly (St. Mary's)	53	49	*	0.3	1	4.6
Guernsey	52	49	44	0.4	2	3.7
Pembroke	49	46	*	-	0.2	1.3
Holyhead	50	46	43	1	0.5	0.3
Chester (Sealand)	50	43	36	12	Tr.	0.0
L'pool (Bidston)	46	43	40	9	0.2	0.0
Harrogate	46	44	41	3	1	0.0
Spurn Head	45	42	*	1	2	0.0
Catterick	46	44	30	2	0.3	0.0
Tynemouth	48	44	38	-	1	*
Inchkeith	45	44	42	1	Tr.	0.0
Leuchars	46	41	35	2	0.1	0.0
Renfrew	47	44	41	2	0.1	0.0
Eskdalemuir	45	41	40	3	0.3	0.0
Tiree	48	44	42	0.5	0.5	0.0
Stornoway	49	44	*	-	Tr.	0.0
Dalwhinnie	45	32	23	2	-	0.2
Aberdeen	46	34	27	1	0.1	0.0
Wick	45	39	*	1	-	*
Lerwick	46	44	*	1	3	0.0
Blacksod Point	53	47	*	0.2	1	*
Malin Head	49	45	*	1	1	0.0
Aldergrove	50	43	38	0.4	1	0.1
Donaghadee	51	45	*	0.2	0.2	*
Birr Castle	51	46	41	0.6	1	0.7
Valentia Obsy.†	52	51	50	0.4	1	0.1
Roches Point	53	47	*	0.1	0.2	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h–18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h. To-day.
Kew	18	c|r.c	cp.	bm|bc|cp.	52	44	40	1	Tr.	0.5	*	*	5
Croydon	217	r|r.c	cp|rc|m.	cb|mc|mT	53	44	41	2	Tr.	0.4	*	*	5
Greenwich (Royal Observatory)	149	c|d|c	c|id.	cb|c|d|d|c	52	42	38	0.5	0.3	0.0	78	96	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.1	*	*	*
Westminster (St. James' Park)	27	*	*	*	53	44	39	1		0.0	79	92	*
†Regents Pk. (Botanic Gardens)	108	*	*	*	53	43	41	2		0.1	76	93	*
Camden Square	110	o|c|c	c	*	52	44	39	1	0.5	*	*	97	*
Kensington	80	o|d|r|c	c|om	*	53	44	38	1	0.2	0.1	At 18h. 84	96	*
Hampstead Observatory	450	or	orc	bc	50	40	35	2	0.2	0.1	*	67	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0.8	21-22h 7th	Nil	1-6h. 8th

Kew Observatory. Max.	Time.	Min.	Time.
0.2	21h 7th	<0.1	2h. 8th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 7th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 8th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1009.7	W	3	C	48	1017.0	WSW	3	C	46
Brussels	1006.3	SW	3	C	46	1013.8	SW'W	3	C	45
Berlin	1011.3	ESE	3	bc	39	1013.6	ESE	2	0	39
Zurich	1014.8	S	1	r.	43	1020.7	SSW	2	0	41
Rome	1014.6	-	-	0	52	1008.7	NNE	1	0	48

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
55	45	3	Tr.
50	45	2	1
41	37	-	Tr.
48	39	3	3
59	48	-	2

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 „	6½ „
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.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

† Hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 9th February 1933.

No. 24,012

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High. (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	1013·9	+4	SW'W	3	c	54	95		5	–	–	10	10	1500
	Croydon ...	1013·6	++	WSW	4	c	55	85	6	5	–	–	9+	9+	450
	S. Farnborough	1014·1	+6	WSW	3	o	54	95	7	5	–	–	10	10	450
	Winchester ...	1014·3	+10	WSW	3	o	54	95	7	5	–	–	10	10	800
	Boscombe Down	1014·7	+18	W	4	d.d.	53	95	6	5	–	–	10	10	220
	Calshot, S'thmtn	1015·0	+14	SSW	4	o	48	95	6	5	–	–	10	10	450
	Dungeness ...	*	*	SW'W	3	c	*	*	4	5	2	*	4-6	10	450
	Lympne ...	1013·7	-2	WSW	3	o	51	95	6	5	–	–	10	10	450
2	Shoeburyness	1013·0	+4	WSW	4	c	53	95	5	5	–	–	9+	9+	800
	Felixstowe ...	1012·6	-2	S	3	bc	47	95	6	–	3	–	o	4-6	–
	Gorleston ...	1010·9	-4	SW's	3	c	51	95	6	5	–	–	9	9	2500
	Cranwell ...	1010·2	+12	SW	4	c	53	95	6	5	2	–	9	10	800
3	Birmingham ...	1011·5	+8	WSW	4	c	56	85	6	5	3	–	7-8	9+	1500
	Upper Heyford	1012·8	+10	SW	3	c	53	95	6	5	7	–	2-3	9+	800
4	Ross-on-Wye ...	1012·1	+12	SW'W	3	c	54	85	7	5	–	–	10	10	2500
5	Portland Bill...	1015·7	+6	W'S	4	f	49	95	3	5	–	–	10	10	<150
	Plymouth ...	1016·7	+12	W'S	5	ir.	53	95	6	6	2	–	9	10	800
	The Lizard ...	1017·7	+10	W'S	5	o	50	95	6	5	–	–	10	10	1500
	Scilly (St. Mary's)	1017·0	+6	W'S	5	c	52	95	6	5	–	–	10	10	2500
	Guernsey ...	1018·4	+14	W	5	of	52	95	3	5	–	–	10	10	450
6	Pembroke ...	1013·2	+8	WSW	3	c	49	95	6	5	–	–	10	10	800
7	Holyhead ...	1009·2	+6	SSW	4	F	49	95	1	5	–	–	10	10	<150
	Chester (Sealand)	1009·2	+2	SSW	3	c	56	85	8	5	–	8	7-8	9+	1500
8	L'pool (Bidston)	1008·4	o	WSW	3	c	54	85	9	5	1	–	9	9+	2500
9	Harrogate ...	1007·3	+6	SW	3	c	52	95	5	5	7	7	4-6	9	1500
10	Spurn Head ...	1009·0	+4	SW'W	3	c/f	52	95	4	5	7	–	7-8	9	800
	Catterick ...	1006·5	o	SW'W	3	c	55	85	7	6	1	–	4-6	10	1500
	Tynemouth ...	1004·5	o	S	2	o/r	51	85	4	6	–	–	10	10	1500
11	Inchkeith ...	1001·4	-16	SW	3	ir.	52	85	7	6	7	–	7-8	10	1500
	Leuchars ...	1001·1	-14	SW	3	id.	52	95	6	5	2	–	4-6	10	800
12	Renfrew ...	1001·2	-8	SW	5	o/r	53	95	6	5	–	–	10	10	1500
	Eskdalemuir ...	1003·5	-10	S	4	d.d.	48	95	4	5	–	–	10	10	<150
13A	Tiree	995·9	-16	S'W	7	id.	50	95	5	5	–	–	10	10	450
13B	Stornoway ...	990·2	-26	SW	3	rr	50	95	6	5	–	–	10	10	800
15	Dalwhinnie ...	997·2	-12	S	3	ir.	48	95	7	4	2	–	7-8	10	450
	Aberdeen ...	997·9	-22	SSW	3	rr	46	95	6	6	7	–	7-8	10	1500
	Wick	993·8	-26	S	4	c	45	95	8	8	1	–	7-8	10	1500
16	Lerwick ...	993·2	-34	SSW	4	c	45	95	7	5	7	–	7-8	9+	1500
17	Blacksod Point	1001·2	-10	S	6	ir.	54	95	7	6	–	–	10	10	<150
18	Malin Head ...	998·7	-4	SSW	4	c	52	95	7	5	1	–	9	9+	800
	Aldergrove ...	1004·0	+2	SW'S	6	c	53	85	8	5	–	–	10	10	800
	Donaghadee ...	1003·9	-4	SW	2	c	55	85	8	5	–	–	9	9	1500
19	Birr Castle ...	1007·2	o	SW	3	ir.	55	85	7	5	–	–	10	10	1500
20	Valentia Obsy.	1009·8	+2	SW'S	5	c/d.	55	95	7	5	–	–	9+	9+	800
	Roches Point...	1011·7	+10	SW	3	d.d.	52	95	6	5	–	–	10	10	800

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

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. 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)...	1015·4	+14	SSW	4	c	54	85	6	5	–	–	10	10	1500	1	*
	Croydon ...	1015·0	+6	W'N	4	c/d.	54	85	6	4	9	–	7-8	9	800	1	*
	S. Farnborough	1015·6	+22	W'S	3	c	54	85	7	5	–	–	10	10	800	1	*
	Winchester ...	1015·8	+10	SW	3	c	53	85	7	5	–	–	9+	9+	1500	1	*
	Boscombe Down	1015·9	+8	SW'W	3	c	52	95	7	5	–	–	9+	9+	800	1	*
	Calshot, S'thmtn	1016·7	+16	SW'W	3	c	50	95	6	5	–	–	10	10	800	0	1
	Dungeness ...	*	*	SW	4	f-	*	*	3	5	–	*	10	10	450	*	2
	Lympne ...	1016·1	+10	WSW	3	iF	50	95	1	5	–	–	10	10	<150	1	*
2	Shoeburyness	1014·1	+10	WSW	4	c	54	85	6	5	1	–	7-8	9+	800	1	*
	Felixstowe ...	1013·6	+10	SW'W	4	c	52	95	5	5	7	–	7-8	9	2500	1	2
	Gorleston ...	1011·4	+2	S'W	2	c	54	95	6	5	–	–	9	9	2500	0	2
	Cranwell ...	1010·1	+2	SW'W	4	bc	53	85	6	5	7	2	2-3	4-6	800	1	*
3	Birmingham ...	1012·2	+4	SW	4	c	51	85	7	5	–	–	7-8	7-8	1500	1	*
	Upper Heyford	1013·9	+8	SW	3	c	50	95	7	5	–	2	2-3	9	800	1	*
4	Ross-on-Wye ...	1013·3	+10	SW	4	c	52	85	7	5	–	–	9+	9+	2500	1	*
5	Portland Bill...	1017·3	+6	W	5	c	49	95	6	5	–	–	10	10	1500	1	4
	Plymouth ...	1017·6	+6	WSW	4	o/d.	51	95	6	5	–	–	10	10	220	1	3
	The Lizard ...	1018·4	+2	WSW	4	dF	50	95	1	5	–	–	10	10	450	1	3
	Scilly (St. Mary's)	1018·3	+10	W'S	6	id.	52	95	6	5	–	–	10	10	1500	1	4
	Guernsey ...	1020·0	+12	W	3	c	51	95	6	8	–	–	10	10	1500	1	3
6	Pembroke ...	1012·7	+12	WSW	5	of	50	95	3	5	–	–	10	10	<150	1	3
7	Holyhead ...	1009·7	+6	SW'S	5	f	49	95	3	5	–	–	10	10	<150	1	3
	Chester (Sealand)	1010·2	+12	SW	4	c	54	85	8	5	3	2	7-8	9	800	1	*
8	L'pool (Bidston)	1009·3	+6	SW'W	5	c	51	85	8	5	–	–	9	9	1500	0	*
9	Harrogate ...	1007·5	0	S	3	d.d.	51	95	5	6	–	–	10	10	2500	1	*
10	Spurn Head ...	1007·9	-2	W	4	c	52	95	6	5	1	8	2-3	7-8	1500	0	2
	Catterick ...	1005·9	-6	SSW	3	d.d.	52	95	5	6	2	–	9	10	800	1	*
	Tynemouth ...	1003·5	-6	WSW	3	c	53	85	7	6	–	–	7-8	7-8	1500	1	2
11	Inchkeith ...	997·7	-20	SW	6	ir.	52	85	8	6	–	–	10	10	1500	0	3
	Leuchars ...	998·2	-8	SW	6	id.	53	95	7	6	2	–	9	10	800	1	*
12	Renfrew ...	1000·4	0	SW	5	c/r.	52	95	6	6	7	8	7-8	9+	1500	1	*
	Eskdalemuir ...	1002·6	+14	SW'S	6	d.d.	47	95	4	6	–	–	10	10	<150	1	*
13A	Tiree	994·0	+2	S'W	8	bc	51	85	6	5	7	–	2-3	4-6	1500	1	4
13B	Stornoway ...	985·9	-20	SW	7	PR	53	75	6	8	6	–	7-8	9+	800	1	4
15	Dalwhinnie ...	997·2	+8	W	5	RR	48	95	6	3	2	–	4-6	10	800	1	*
	Aberdeen ...	994·5	-8	SSW	3	c	52	95	6	5	–	–	9+	9+	450	1	1
	Wick	987·5	-24	WSW	5	bc	49	95	8	3	8	2	2-3	4-6	2500	1	3
16	Lerwick ...	984·0	-10	SW	7	rr	47	95	4	6	–	–	10	10	450	1	*
17	Blacksod Point	1002·7	+10	S	6	q	52	95	7	5	–	–	9	9	<150	1	5
18	Malin Head ...	998·3	+4	SSW	6	bc	52	85	7	5	4	–	1	4-6	1500	1	2
	Aldergrove ...	1003·1	+6	SSW	5	c	51	95	8	5	–	2	2-3	9	800	1	*
	Donaghadee ...	1003·1	+6	SW	2	c	55	85	7	5	3	–	4-6	7-8	1500	0	1
19	Birr Castle ...	1007·6	+14	WNW	3	c	55	85	8	3	–	–	7-8	7-8	1500	1	*
20	Valentia Obsy.	1011·7	+18	SW	6	c	54	85	6	5	–	9	2-3	9	800	1	3
	Roches Point...	1011·9	+18	SW	3	id.	54	95	7	5	–	–	10	10	1500	1	5

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	Weather 7h.–13h. 8th (37)	Weather 13h.–18h. 8th (38)	Weather 18h. 8th to 1h. 9th (39)	Weather 1h.–7h. 9th (40)
1	London (Kew)...	od.c	cm.	cd.c	cbcm.
	Croydon ...	cm.r.r.	cm.od.c	cm.	c
	S. Farnborough	orid.o	oid.c	c	cm.
	Winchester ...	om.o	oir.c	cbcc	com.r.
	Boscombe Down	od.d.	oid.c	C	cid.m.
	Calshot, S'thmtn	offeom.	om.d.	cid.cm.	cocd.f
	Dungeness ...	f	f	*	c f
	Lympne ...	r.dFm.	om.F	OFCr.f	od.fFF
2	Shoeburyness	cm.	cm.	cm.	c
	Felixstowe ...	bcm.cm.	bc3.c3.	c3.c	c
	Gorleston ...	bccm.m.	cm.m.	cm.cbc	cq
	Cranwell ...	cm.	cm.	bc	bcc
3	Birmingham ...	c	c	cbc	bcc
	Upper Heyford	ocm.	cbcc	cbc	bccr.
4	Ross-on-Wye ...	cbcc	cbcc	cbqbc	bcc
5	Portland Bill...	orff	off o3.	OFF	OF fo
	Plymouth ...	od.cr.m.	cm.oir.d.	cm.d.	codd.md.
	The Lizard ...	fem.o	oif d.	fdFF	F fd
	Scilly (St. Mary's)	md.if	id.if	id.if	ff dif
	Guernsey ...	oif	oif d.	oid.c	oid.f
6	Pembroke ...	oFeFem.c	cid.ffeqc	cq mc	cid.cfqm.
7	Holyhead ...	cm.fo	Fcfo	fefec	com.o
	Chester (Sealand)	bcco	cq	c	c
8	L'pool (Bidston)	mccv	vcbcc	cbcb	bubcr.
9	Harrogate ...	bcceg	cod.d.	d.ob	bbc
10	Spurn Head ...	cf	cfc	cbcw	bcw
	Catterick ...	c	crd m.	cm.d.d.c	bc
	Tynemouth ...	oir.m	om.c	cbcq	bcq
11	Inchkeith ...	c	cir.c	cprq	cpr
	Leuchars ...	cm.	Fd.d.m.c	cd.bcpr.q	bcq
12	Renfrew ...	cid.rm.	cirr.r.q	cbq m.	bcom.q
	Eskdalemuir ...	od.d.if	od.m	cm.	cm.
13A	Tiree	omidr	cidr.	bc f PR	bc
13B	Stornoway ...	cid.rrm.	crrm.l	cPRtfrr	cpra
15	Dalwhinnie ...	c	ir	*	rr
	Aberdeen ...	cpr.ir.	cr.c	c3.bq	bqu
	Wick	cpr.c	cpr.bc	crrc	cirr
16	Lerwick ...	c	corrm	orr,cirm	cirm.q
17	Blacksod Point	irq	p.c.q	cq	bcq
18	Malin Head ...	cpr.	cprbc	cbc	bcc
	Aldergrove ...	od.c	cd.c	cbc	bcc
	Donaghadee ...	oid.c	c	bc	bc
19	Birr Castle ...	oir.	ir.c	c	cr.c
20	Valentia Obsy.	ocid.c	cid.c	c	cpre
	Roches Point...	od.d.	oid.	ovd.bc	bcovd.

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, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—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 1/10 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
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.

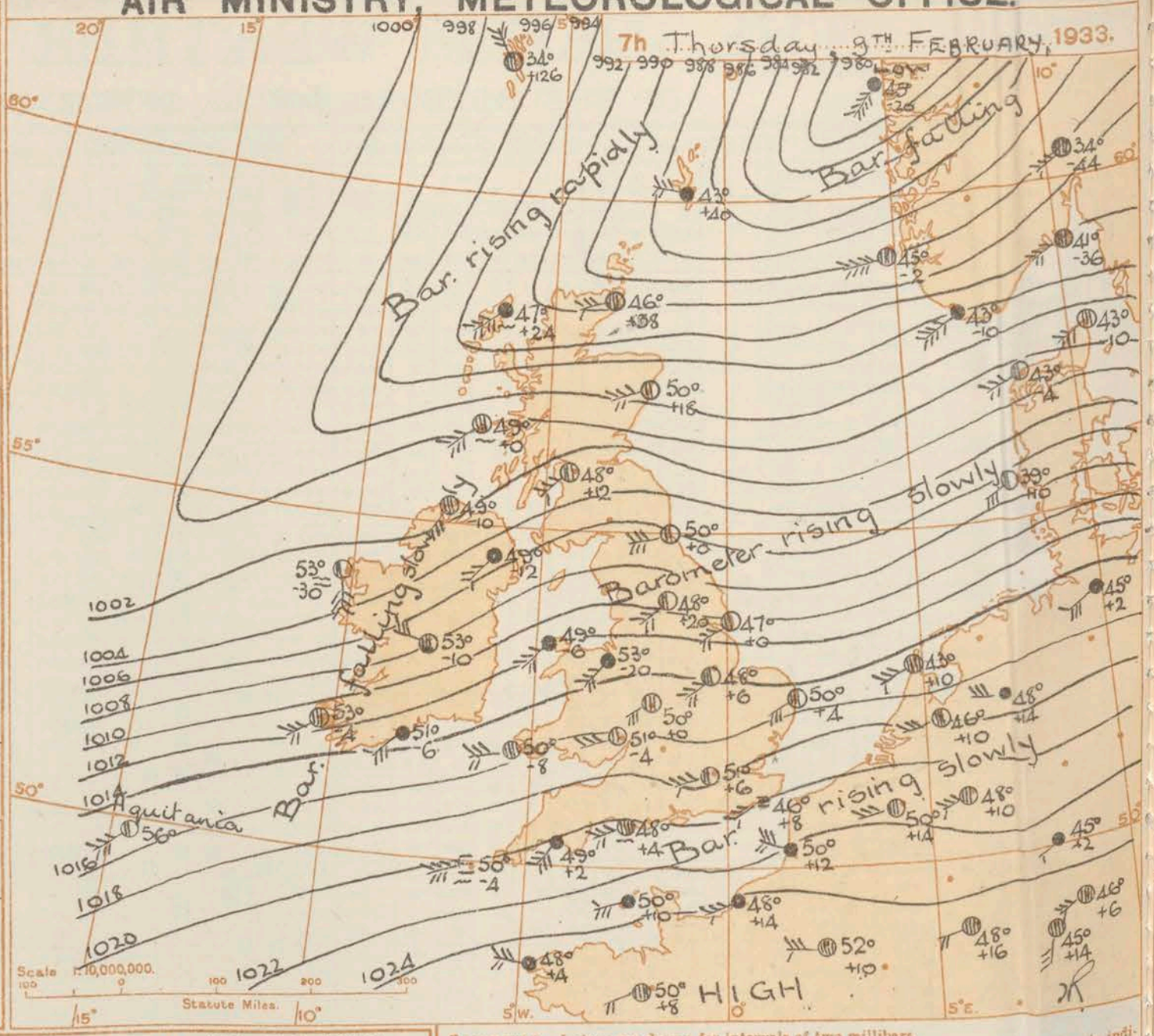
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for 8th FEBRUARY 1932.

District.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 7th to 9h. 8th	Temperature. Max. 9h.—17h. 8th	Rainfall. Night. 17h. 7th to 9h. 8th	Rainfall. Day. 9h.—17h. 8th	Sunshine. Sunrise to Sunset. 8th
1	Tunbridge W.	odo	o	38	53	0·3	Trace	0·0
	Bournemouth	o	o	45	53	–	–	0·0
	Ventnor ...	oufo	oufo	45	52	–	–	0·0
	Southsea ...	o	o	46	53	Trace	–	0·0
	Bognor Regis	o	o	44	53	M	–	0·0
	Littlehampton	c	c	44	53	1	–	0·0
	Worthing ...	o	o	44	49	0·3	–	0·0
	Brighton ...	fe	f	44	48	1	Trace	0·0
	Eastbourne†	rorro	om	44	50	0·5	1	0·0
	Hastings† ...	ofco	comof	42	50	1	–	0·0
	Folkestone ...	ofid	of	40	53	0·1	Trace	0·0
	Dover... ...	fom	mo	42	50	–	–	0·0
	Deal	obc	co	43	55	–	–	0·4
	Ramsgate ...	c	c	43	55	–	–	0·2
	Margate ...	cdoc	c	43	56	Trace	Trace	0·1
2	Southend ...	co	ocm	41	52	Trace	–	0·1
	Maldon ...	c	c	40	56	–	–	0·4
	Clacton-on-Sea	cbcco	om.c	41	54	–	–	0·1
	Dovercourt ...	doc	bcbcc	42	55	Trace	–	1·4
	Lowestoft ...	bcc	cm.	41	54	0·2	–	1·3
	Skegness ...	obc	bcom	43	54	Trace	–	1·3
	Mablethorpe	bcmo	com.	41	55	0·3	–	2·1
	Cleethorpes ...	c	c	41	55	0·6	–	1·5
3	Leamington S.	oc	co	43	55	–	–	0·0
4	Cheltenham†	cbcc	co	43	52	Trace	–	0·3
5	Bath	fodo	cdo	46	54	Trace	Trace	0·0
	Weymouth ...	omc	c	46	52	0·6	–	0·0
	Jersey ...	fcfc	cd	47	51	1	Trace	2·3
	Torquay ...	idom	oc	46	55	0·2	–	0·0
	Penzance ...	om.	om.	49	53	2	Trace	0·0
	St. Ives ...	o	opo	48	54	1	Trace	0·0
	Bude	m	m	43	50	Trace	Trace	0·0
	Ilfracombe ...	of	of	48	53	2	–	0·0
6	Aberystwyth	idofe	fecof	45	51	3	–	0·0
7	Llandudno ...	c	c	45	56	0·1	–	0·2
	Colwyn Bay...	c	cbc	46	58	–	–	0·0
	Rhyl	c	c	45	57	0·1	–	1·0
8	Wallasey ...	mc	cbc	43	55	0·5	–	0·1
	Southport‖ ...	oco	oco	43	55	0·6	–	0·0
	Blackpool ...	o	o	44	51	2	–	0·0
	Morecambe ...	rror	rpc	43	51	4	Trace	0·0
9	Ilkley... ...	d	d	43	54	1	0·4	0·0
10	Berwick-on-T.	o	o	44	55	2	–	0·0
11	Dunbar ...	bc	bc	43	57	0·3	–	0·0
12	Troon... ...	orod	dodo	45	51	0·3	0·3	0·0
	Douglas ...	om.	cbcq	43	53	1	–	0·3

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 9th Feb. 1933.
1. S.E. England 2. E. England... 3. E. Midlands	Moderate or fresh southwest winds, strong locally; cloudy local drizzle; mild.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Fresh southwesterly winds probably veering later; cloudy local drizzle and coastal fog, probably occasional rain or showers and bright intervals later; mild becoming less mild.
9. N. Midlands 10. N.E. England 11. S.E. Scotland	Fresh or strong southwest wind veering; cloudy, occasional rain or showers, bright intervals later; mild then colder.
12. S.W. Scotland & Isle of Man	Fresh or strong southwest wind veering; cloudy some rain, bright intervals later with showers of rain or sleet perhaps snow on the hills; mild becoming rather cold.
13. A. W Scotld. B. N.W. Scotland. 14. Mid-Scotland 15 N.E. Scotland 16. Orkneys and Shetlands.	Fresh or strong northwesterly wind, cloudy, bright intervals occasional rain or sleet showers, with snow on high ground; colder.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind southwest, moderate or fresh, strong locally at first, veering; cloudy, occasional rain or drizzle at first, bright intervals and showers later; mild becoming less mild.

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

Barometer. Isobars are drawn for intervals of two millibars.
Wind. Arrows fly with wind. Number of feathers indicate Beaufort Force. 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 3/10 to 5/10 clouded. ◕ Sky 6/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✳ Snow. ✳ Sleet ▲ Hail
≡ Fog ≡ Mist. T Thunder. ⊼ Thunderstorm.
Sea Disturbance.~~Rough. ≈≈High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A deep depression is centred off the Norwegian coast and a trough of low pressure extending from it to west and southwest of Ireland is likely to move southeast. Weather will be mild over most of the country at first, but colder conditions will probably spread down from the Northwest.

FURTHER OUTLOOK.

Rather cold in the North; less mild in the Southeast.

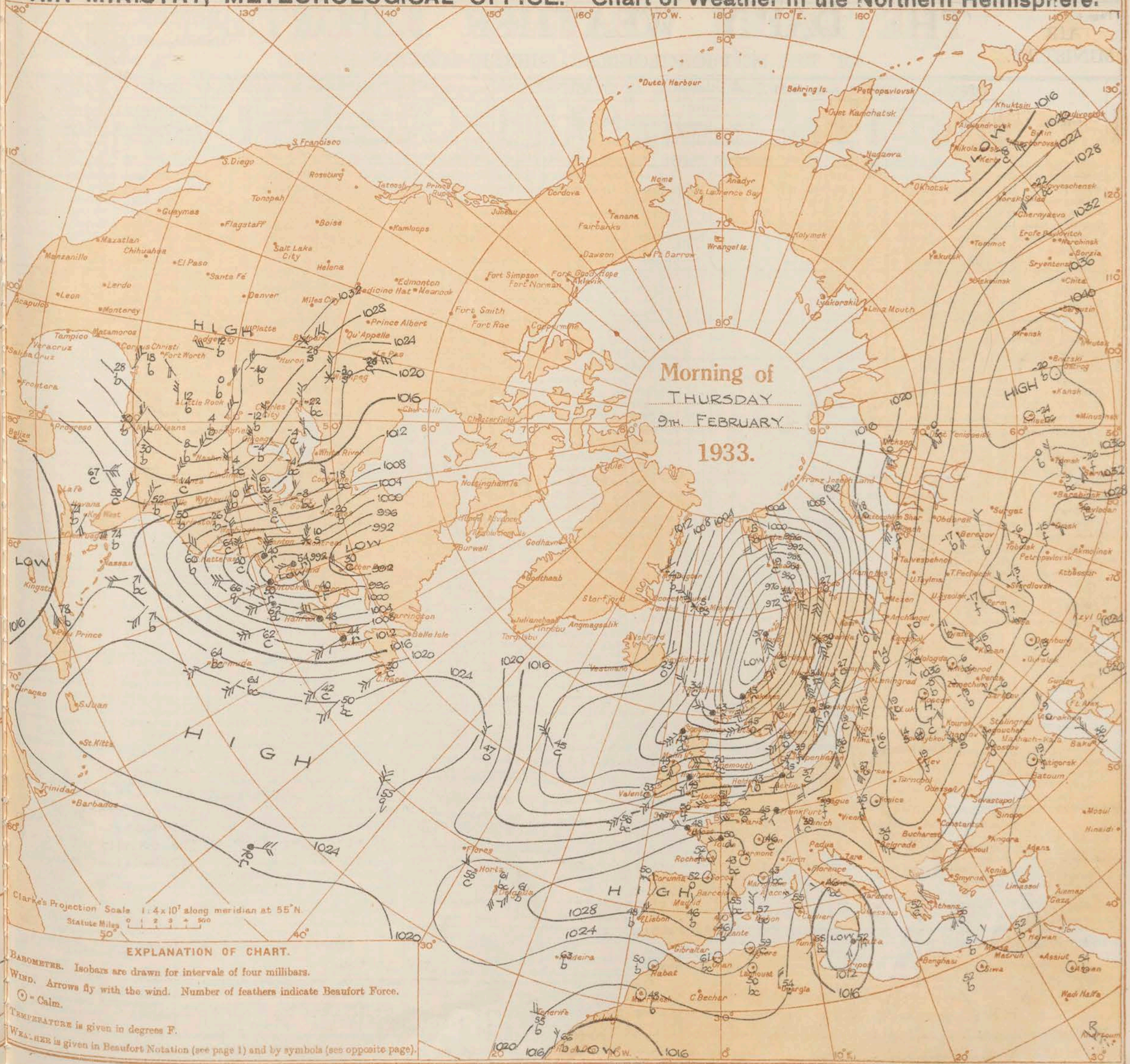
Time of Issue of Gale Warning.

▼ South Cone hoisted at 1430 G.M.T. on 8th, in 13A, 13B, 15, 16, 17.

Forecasts issued at 1025 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 9th February 1933.

No. 26012

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

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	1018.1	+14	W's	5	c	54	85	8	7	-	-	9+	9+	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1019.8	+8	SW	3	c	49	95	7	5	-	-	9+	9+	1500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1019.2	+12	SWW	4	df	49	95	3	5	-	-	10	10	220
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1014.1	+10	SW	3	c	52	85	7	-	-	6	0	7-8	-
	Cranwell ...	240	1013.1	+12	SWW	5	c	50	95	8	5	-	-	7-8	7-8	1500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1019.9	+16	WSW	5	f	47	95	2	5	-	-	10	10	<150
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1021.2	+4	WSW	4	dF	50	95	1	6	-	-	10	10	220
	Scilly (St. Mary's)	163	1020.4	+4	WSW	5	if	51	95	2	5	-	-	10	10	<150
	Guernsey ...	175	1022.4	+10	W's	5	id.	51	95	6	5	-	-	10	10	1500
6	Pembroke ...	142	1017.5	+6	WSW	4	q	49	95	6	5	-	-	9+	9+	1500
7	Holyhead ...	26	1012.6	+14	SW's	5	o/f	48	95	5	5	-	-	10	10	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1010.3	+4	WSW	5	bc	49	95	7	5	1	-	2-3	4-6	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1003.7	+2	W	6	bc	53	65	7	2	-	-	2-3	2-3	2500
11	Inchkeith ...	190	1000.6	+6	SW	6	c	49	75	8	5	-	-	9+	9+	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	986.4	+20	SW	7	rr	49	95	6	8	2	-	2-3	10	800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	986.1	-2	SW	6	c	48	86	8	9	1	-	7-8	10	1500
16	Lerwick ...	54	978.0	-24	SWW	8	ir	47	96	6	9	-	-	9+	9+	800
17	Blacksod Point	18	1007.3	+12	S	5	q	50	95	7	5	6	-	4-6	9	<150
18	Malin Head ...	52	1002.4	+30	WSW	7	bc	50	95	7	-	8	8	0	4-6	-
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1012.2	0	SW	4	c	52	95	8	4	-	-	10	10	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 9th 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)
1019.1	+10	SW's	3	bc	50	85	6	5	8	1	2-3	4-6	2500	1	*
1019.2	+6	WSW	4	bc	51	85	8	4	3	6	2-3	4-6	2500	1	*
1019.5	+6	SW's	4	c	50	95	6	5	1	-	9+	9+	450	1	*
1019.8	+6	SSW	4	dr.	50	95	6	5	-	-	10	10	800	1	*
1019.3	+2	SSW	4	cd.	49	95	6	5	-	-	9+	9+	220	1	*
1020.5	+4	SW	5	df	48	95	2	5	-	-	10	10	450	1	2
*	*	SW	4	f	*	*	*	5	-	*	10	10	220	*	3
1021.0	+8	SWW	4	f	46	95	2-	5	-	-	10	10	150	1	*
1018.7	+12	SW	4	c	50	95	7	5	3	-	4-6	9	1500	1	*
1017.8	+10	WSW	4	c	50	85	7	5	-	8	2-3	9	4000	1	2
1015.3	+4	SW	3	c	50	85	7	4	7	-	4-6	9	2500	0	2
1013.7	+6	SW	5	c	48	85	7	-	7	6	0	7-8	-	1	*
1015.6	0	SW	3	c	50	85	8	5	7	-	7-8	9	1500	1	*
1017.5	+6	SW	3	dr.	50	95	7	5	-	-	10	10	800	1	*
1016.1	-4	WSW	3	c	51	85	7	8	-	9	9	9+	2500	1	*
1021.9	+4	WSW	5	o	48	95	7	5	-	-	10	10	1500	1	3
1020.8	+2	SSW	6	d. d.	49	95	7	4	5	-	10	10	150	1	3
1021.6	0	SWW	4	dF	49	95	1	4	5	-	10	10	220	1	3
1019.8	-4	WSW	6	if	50	95	1	4	5	-	10	10	450	1	4
1023.5	+10	W's	4	id.	50	95	6	6	5	-	10	10	1500	1	4
1015.0	-8	WSW	5	q	50	95	6	5	-	-	10	10	800	1	3
1011.9	-6	SW'S	5	dr.	49	95	5	5	-	-	10	10	450	1	2
1011.8	-20	SW	5	pr	53	75	8	5	3	-	4-6	7-8	2500	1	*
1011.8	-4	WSW	4	r. r.	51	85	9	5	-	-	7-8	7-8	2500	0	*
1009.7	+6	SW	5	bc	48	85	7	8	8	-	1	2-3	5700	1	*
1011.1	0	WSW	5	bc	47	95	6	5	7	-	2-3	4-6	2500	0	4
1007.8	+6	WSW	6	c	50	75	8	4	3	-	2-3	7-8	4000	1	*
1005.7	0	W	6	bc	50	75	7	2	-	-	2-3	2-3	2500	1	2
1003.4	+12	WSW	7	c	49	75	8	8	-	-	7-8	7-8	2500	0	3
1002.9	+20	SW	6	pr	49	85	7	8	3	-	2-3	2-3	4000	1	*
1004.9	+12	SW	4	c	48	85	6	5	7	-	7-8	10	2500	1	*
1007.6	+6	SW'S	5	c	45	95	6	5	-	-	9+	9+	800	1	*
1000.0	0	SSW SW'S	6	c	49	85	6	5	7	38	2-3	7-8	1500	0	5
993.5	+24	SW	7	cd.	47	85	6	5	2	-	7-8	10	800	1	4
999.9	+18	SW	5	cr	43	85	7	4	4	-	4-6	7-8	1500	1	*
997.5	+18	WSW	5	b	50	55	7	9	-	-	Tr.	Tr.	2500	1	2
992.1	+38	WSW	4	c	46	85	8	8	7	-	4-6	7-8	2500	1	3
986.5	+40	W'N	5	cr	43	95	5	6	2	-	4-6	10	450	2	*
1002.8	-30	S	6	q	53	85	7	5	4	-	4-6	4-6	450	0	5
1001.7	-10	S'W	3	c	49	95	7	5	-	-	9	9	1500	0	3
1005.9	-12	S'W	4	cr.	49	85	7	6	5	-	9+	9+	800	1	*
1006.1	-10	SW	2	bc	49	85	7	5	3	-	2-3	4-6	1500	0	1
1008.5	-10	WNW	3	c	53	95	8	8	-	-	9	9	2500	1	*
1011.1	-4	SW	5	c	53	85	8	9	-	-	9	9	1500	1	*
1013.3	-6	SW	4	cd.	51	95	6	5	-	-	10	10	800	1	5

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 8h. G.M.T. Hrs. (36)
55	50	46	0.2	Tr.	0.0
55	51	48	0.2	-	0.0
55	50	46	1	-	0.0
55	49	47	Tr.	Tr.	0.0
53	48	48	Tr.	Tr.	0.0
54	47	45	Tr.	Tr.	0.0
49	45	*	-	Tr.	*
51	45	45	0.3	Tr.	0.0
55	49	46	-	-	0.4
54	46	41	-	-	0.9
54	48	45	-	-	1.9
56	47	44	-	-	0.5
55	47	45	-	-	0.1
54	47	44	0.6	Tr.	*
55	51	45	-	-	0.7
49	46	*	0.2	Tr.	*
53	48	48	Tr.	0.4	0.0
51	48	*	Tr.	0.2	*
53	50	*	0.1	0.6	0.1
52	49	49	Tr.	0.4	0.0
50	48	*	Tr.	0.3	0.0
51	47	46	-	0.1	0.4
57	51	45	-	Tr.	0.1
54	48	45	-	Tr.	0.4
54	47	41	0.4	Tr.	0.0
53	44	*	-	Tr.	1.1
55	49	47	0.3	0.1	0.0
57	50	44	Tr.	-	*
53	48	46	Tr.	0.1	0.0
53	48	45	0.1	0.1	0.0
53	48	45	2	-	0.0
50	45	44	3	Tr.	0.0
51	48	46	1	0.5	0.0
54	45	*	15	2	0.0
54	48	42	3	2	0.0
53	49	45	0.3	-	0.8
50	44	*	0.1	2	*
47	42	*	5	6	0.0
55	50	*	1	0.1	*
54	47	*	1	-	0.0
53	46	42	0.1	Tr.	0.0
56	48	*	0.1	-	*
56	49	44	0.2	Tr.	0.2
57	52	52	Tr.	0.5	0.4
54	50	*	0.2	0.2	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 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. %	Attitude 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
Kew	18	od.c	cm.	cd.cbc	55	50	46	0.2	Tr.	0.0	*	*	7
Croydon	217	cm.r.r.	cm.od.c	cm.c	55	51	48	0.2	-	0.0	*	*	6
Greenwich (Royal Observatory) ...	149	omdo	om.o	od.c	55	48	45	Tr.	Tr.	0.0	90	87	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	56	49	45	-		0.0	87	84	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	55	47	47	-		0.0	90	90	*
Camden Square	110	odc	c	*	55	52	47	Tr.	-	*	*	89	*
Kensington	80	odrc	co	*	56	50	43	Tr.	-	0.0	At 18h. 90		*
Hampstead Observatory	450	od	or	*	53	47	42	0.1	-	0.0	90	94	*

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 8th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 9th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris						1024.7	W	4	0	52
Brussels	1017.1	SSW	3	cd.	48	1020.6	WSW	3	c	50
Berlin	1019.3	SSE	1	bc	41	1018.9	S	2	c	37
Zürich	1024.8	SE	2	c	41	1028.3	SSE	2	rr	41
Rome	1011.0		4	cd.	50	1018.2	WSW	1	bc	46

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington.	Max.	Time.	Min.	Time.
	1.0	9h 8m	Nil	0h-6h 9h

Kew Observatory.	Max.	Time.	Min.	Time.
	0.2	11h 8m	0.1	5h 9m

Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
	50		Tr.
	48	0.2	0.6
46	36	-	-
46	39	1	2
54	45	5	-

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.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 10th February 1933.

No. 26013

District	Stations. (For heights see p. 4.)	Sunshine 9th Hrs. (36)	OBSERVATIONS at 13h. G.M.T. 9th 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)	0·0	1017·8	- 8	SW	4	c	53	85	7	5	2	-	9+	10	1500
	Croydon	0·0	1018·3	- 6	WSW	5	c	52	85	6	5	1	-	9	9	1500
	S. Farnborough	0·0	1018·5	-10	SW	5	c	52	85	7	5	-	-	10	10	800
	Winchester	0·0	1019·1	- 10	SW'S	5	o	51	95	7	5	-	-	10	10	800
	Boscombe Down	0·0	1018·8	-2	SW	4	o/d$_o$	51	85	7	5	-	-	10	10	800
	Calshot, S'thmtn	0·0	1019·9	-12	SW'W	5	i d$_o$	49	95	4	5	-	-	10	10	<150
	Dungeness	*	*	*	SW	5	d$_o$d$_o$	*	*	5	6	-	*	10	10	800
	Lympne	0·0	1019·8	-24	SW'W	5	df	49	95	3	5	-	-	10	10	<150
2	Shoeburyness	0·4	1017·9	-12	SW'S	4	c	51	95	7	5	-	-	9+	9+	1500
	Felixstowe	0·9	1016·8	-14	SW'S	4	c	51	85	6	5	-	6	9	9	800
	Gorleston	1·9	1014·7	-12	SW'S	4	c	56	95	~~6~~ 7	8	-	-	10	10	1500
	Cranwell	0·5	1011·7	-16	SW	6	c	54	85	7	5	-	-	9+	9+	1500
3	Birmingham	0·1	1014·3	- 6	WSW	5	c	52	85	8	5	-	-	9+	9+	1500
	Upper Heyford	*	1016·2	- 6	SW	4	d$_o$d$_o$	51	95	7	6	2	-	9+	10	450
4	Ross-on-Wye	0·7	1015·4	- 8	WSW	5	q	53	75	8	9	-	9	9	9+	4000
5	Portland Bill	*	1018·4	-10	WSW	5	df	49	95	3	5	-	-	10	10	<150
	Plymouth	0·0	1020·8	- 6	WSW	5	dd	50	95	5	5	-	-	10	10	<150
	The Lizard	*	1022·2	- 4	WSW	5	df	51	95	2	5	-	-	10	10	220
	Scilly (St. Mary's)	0·1	1021·1	+ 4	W'S	6	c	52	95	6	5	5	-	4-6	7-8	2500
	Guernsey	0·0	1023·7	0	WSW	5	o	50	95	6	5	-	-	10	10	1500
6	Pembroke	0·0	1015·3	0	WSW	5	q	49	95	6	5	7	2	4-6	7-8	1500
7	Holyhead	0·4	1010·7	- 6	SW'S	5	bc	51	85	6	5	-	1	4-6	4-6	2500
	Chester (Sealand)	0·1	1010·5	- 8	SWW	6	bc	56	65	8	5	-	4	2-3	4-6	1500
8	L'pool (Bidston)	0·4	1009·8	- 4	W	6	bc	52	75	8	5	6	2	Tr.	4-6	2500
9	Harrogate	0·0	1008·2	-10	SW	6	bc	53	85	7	3	-	2	2-3	4-6	2500
10	Spurn Head	1·1	1008·9	-10	W'S	6	c	54	95	6	5	7	-	4-6	9	1500
	Catterick	0·0	1006·6	-16	SW'W	6	bc/p$_o$	53	75	8	7	-	1	4-6	4-6	2500
	Tynemouth	*	1005·2	- 8	W	6	bc	56	75	7	2	-	-	4-6	4-6	2500
11	Inchkeith	0·0	993·3	-30	SW	7	c	51	75	7	8	-	-	9	9	1500
	Leuchars	0·0	999·8	-18	SW	4	pr	50	95	7	9	-	3	9	9+	800
12	Renfrew	0·0	1000·7	-18	SW	4	i r$_o$	49	85	6	6	3	-	9	10	1500
	Eskdalemuir	0·0	1002·1	-24	SWW	7	pr	48	85	6	6	-	-	10	10	800
13a	Tiree	0·0	1001·9	+32	SW'W	4	dr	45	85	6	6	7	-	9	10	1500
13b	Stornoway	0·0	1002·3	+28	NNE	3	id	40	95	7	8	2	-	4-6	10	1500
15	Dalwhinnie	0·0	1000·2	0	NW	1	RR	39	85	7	4	2	-	7-8	10	800
	Aberdeen	0·3	998·9	+ 4	W	3	r$_o$r$_o$	49	75	6	9	7	-	7-8	9+	1500
	Wick	*	993·8	+30	NNW	5	c/r$_o$	41	95	8	9	2	-	7-8	10	1500
16	Lerwick	0·0	993·6	+44	N'W	4	c	38	75	8	8	-	-	9+	9+	1500
17	Blacksod Point	*	1008·4	+22	S	3	ir	50	95	7	6	-	-	10	10	<150
18	Malin Head	0·0	1004·2	+50	W'S	4	c	47	95	7	5	7	-	9	9+	1500
	Aldergrove	0·0	1005·6	+14	WSW	5	c/p$_o$	48	95	8	9	-	8	7-8	9+	1500
	Donaghadee	*	1004·5	0	SW	6	c/pr	52	85	7	6	-	-	9	9	800
19	Birr Castle	0·2	1010·2	+2	W	4	c	53	75	8	8	-	-	9+	9+	2500
20	Valentia Obsy.	0·4	1015·7	+26	SW'W	6	bc	53	75	8	8	-	2	2-3	4-6	1500
	Roches Point	*	1015·4	+ 6	W	5	bc	54	85	8	3	-	9	2-3	4-6	1500

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 18h. G.M.T. 9th 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)	1017·2	+2	SW'W	3	c	53	65	7	5	3	-	7-8	9+	1500	1	*
	Croydon	1017·1	-2	SW'W	5	c	51	85	7	5	7	-	7-8	9+	800	1	*
	S. Farnborough	1017·7	-4	SW	3	c	51	85	7	5	-	1	9	9+	800	1	*
	Winchester	1018·3	+2	SW'S	4	c	50	95	7	5	-	6	2-3	9	1500	1	*
	Boscombe Down	1017·7	-2	WSW	5	bc	51	75	7	5	-	5	4-6	4-6	2500	1	*
	Calshot, S'thmtn	1019·0	0	SW	4	c	49	95	6	5	2	-	9+	9+	220	1	3
	Dungeness	*	*	SW	5	d$_o$d$_o$	*	*	3	6	-	*	10	10	800	*	3
	Lympne	1019·1	0	SW'W	5	df	48	95	3	5	-	-	10	10	<150	1	*
2	Shoeburyness	1016·4	-4	SSW	4	c	51	95	7	5	8	-	4-6	9	1500	1	*
	Felixstowe	1015·4	+6	SW'S	4	c	48	95	7	5	3	-	4-6	7-8	1500	1	3
	Gorleston	1012·7	-6	SW	4	c	54	75	7	5	1	-	9+	9+	2500	~~1~~ 0	3
	Cranwell	1010·9	+4	WSW	4	c	51	75	7	5	7	-	4-6	9+	2500	1	*
3	Birmingham	1013·3	-2	WSW	4	c	51	75	8	6	7	6	Tr.	9	800	1	*
	Upper Heyford	1015·9	+2	SW	3	c	49	85	7	6	-	7	2-3	10	800	1	*
4	Ross-on-Wye	1016·2	+4	SW'W	3	c	51	75	8	8	-	-	9+	9+	2500	1	*
5	Portland Bill	1019·0	-2	WSW	5	c	48	95	7	4	4	-	7-8	9	1500	1	4
	Plymouth	1021·2	+8	WSW	4	c	50	95	7	5	2	-	9+	10	1500	1	3
	The Lizard	1022·3	+4	WSW	4	c	49	95	7	5	-	-	9+	9+	1500	1	3
	Scilly (St. Mary's)	1021·8	+4	WNW	6	c	50	95	6	5	7	3	4-6	9	2500	1	4
	Guernsey	1023·4	+4	W'S	4	o	51	95	5	5	-	-	10	10	800	1	4
6	Pembroke	1018·5	+6	WSW	5	q	49	95	6	4	9	-	4-6	7-8	1500	1	3
7	Holyhead	1013·3	+30	W'S	5	c	48	85	7	5	-	1	7-8	9+	4000	1	3
	Chester (Sealand)	1011·8	+14	WSW	5	pr$_o$	52	75	7	6	3	-	7-8	9	800	1	*
8	L'pool (Bidston)	1010·5	0	WNW	8	PR	50	75	7	6	1	-	9	10	1500	1	*
9	Harrogate	1008·8	0	WSW	4	ir	46	95	5	3	-	-	9+	9+	2500	1	*
10	Spurn Head	1008·0	0	W'S	6	c	51	85	6	5	3	-	4-6	9	1500	0	4
	Catterick	1006·6	+10	WSW	5	c/pr	48	85	7	6	-	-	7-8	7-8	1500	1	*
	Tynemouth	1004·4	+14	W	4	bc/p$_o$	50	75	6	2	-	-	4-6	4-6	2500	1	2
11	Inchkeith	1005·1	+64	W	4	c	45	85	8	8	-	-	9	9	2500	0	2
	Leuchars	1006·3	+74	NNW	3	jp	45	85	8	5	-	3	9	9+	1500	1	*
12	Renfrew	1006·8	+26	W	3	c	47	85	7	8	7	-	7-8	9+	1500	1	*
	Eskdalemuir	1006·8	+40	W'N	4	pr	43	85	8	5	-	-	9+	9+	1500	1	*
13a	Tiree	1007·6	+36	N'E	4	c	43	85	7	5	4	-	7-8	9	1500	1	4
13b	Stornoway	1010·5	+22	NNE	6	c	40	75	7	8	6	-	4-6	10	1500	1	3
15	Dalwhinnie	·	+28	N	2	ir	37	95	7	4	2	-	4-6	10	800	1	*
	Aberdeen	1006·7	+66	N	4	c	40	85	7	5	2	-	7-8	10	1500	1	2
	Wick	1007·3	+36	NNE	5	c	38	75	8	8	2	-	7-8	10	1500	1	3
16	Lerwick	1008·0	+48	N'E	4	c/ph	33	95	7	8	2	-	7-8	10	1500	1	*
17	Blacksod Point	1011·4	+14	W	3	bc	48	95	8	3	-	-	2-3	2-3	1500	0	3
18	Malin Head	1007·6	+22	W	2	c/pr	47	95	7	8	1	-	9	9+	1500	1	2
	Aldergrove	1010·0	+26	SW	3	c/r$_o$	45	95	8	6	2	-	7-8	10	1500	1	*
	Donaghadee	1009·1	+18	SW	3	c	48	85	7	6	-	-	7-8	7-8	1500	1	2
19	Birr Castle	1013·7	+16	W	2	bc	47	85	8	5	-	-	2-3	2-3	2500	1	*
20	Valentia Obsy.	1017·6	+6	SW'W	5	bc	50	85	8	8	-	1	2-3	4-6	1500	1	5
	Roches Point	1017·6	+18	W	4	c	50	85	8	3	-	9	2-3	7-8	1500	0	4

PAST 24 HOURS. WEATHER.

District	Stations. (For heights see p. 4.)	7h.–13h. 9th (37)	13h.–18h. 9th (38)	18h. 9th to 1h. 10th (39)	1h.–7h. 10th (40)
1	London (Kew)	bcc	c	cbc	bcm$_o$
	Croydon	cm$_o$	cm$_o$c	C	cm$_o$
	S. Farnborough	coid$_o$c	cd$_o$c	c	cbc
	Winchester	od$_o$m$_o$o	od$_o$c	cbcb	bbc
	Boscombe Down	cid$_o$m$_o$	cid$_o$bc	cbc	bccpr$_o$
	Calshot, S'thmtn	od$_o$f	od$_o$mf	cbcw	cbc
	Dungeness	f-3	f-3	*	o
	Lympne	Fdf	offdif	odfcm$_o$	cm$_o$
2	Shoeburyness	c	c	c	bcm$_o$
	Felixstowe	c3$_o$	c	c	cbcb
	Gorleston	cq	cq	cbcq	bcc
	Cranwell	cbcc	c	c	c
3	Birmingham	c	c	cbc	bcb
	Upper Heyford	cd$_o$m$_o$	cid$_o$c	cbcb	bbcw
4	Ross-on-Wye	cq	cq	cbbc	cp$_o$bc
5	Portland Bill	offdf	odfc	C	cd$_o$
	Plymouth	cd$_o$rddm$_o$	oddm$_o$c	c	cr$_o$m$_o$pr
	The Lizard	oifd	fd$_o$bc	c	cpr$_o$c
	Scilly (St. Mary's)	idifc	c	C	cbc
	Guernsey	oid$_o$m	oidfm	oc	c
6	Pembroke	cqm$_o$Fec	cqm$_o$q	cqmc	cqbcm$_o$
7	Holyhead	fr$_o$febcm$_o$	bccm$_o$q	cbcqc	pr
	Chester (Sealand)	cir$_o$q	bccpr$_o$q	cbc	cm$_o$
8	L'pool (Bidston)	cr$_o$cb	bcqcq	qprbcc	coR
9	Harrogate	r$_o$cbcq	bccir	cbR	cmrcR
10	Spurn Head	bcm	bc	cqrr	orrdd
	Catterick	bccpr$_o$	bcpr	bcorr	qR r$_o$m$_o$
	Tynemouth	bcq	bcp$_o$q	bcorrq	ocorrq
11	Inchkeith	cPRc	cprq	c	ccir$_o$
	Leuchars	bccprq	crrcp$_o$c	c	cp$_o$
12	Renfrew	cm$_o$irq	r$_o$c	c, br$_o$	r$_o$o
	Eskdalemuir	crrPR	ccpr	crr	co$_o$
13a	Tiree	cRR	cirR	c	c
13b	Stornoway	cprid$_o$	cpr$_o$	cphr$_o$q	cpr$_o$
15	Dalwhinnie	rr	ir	*	bc
	Aberdeen	bbccr$_o$r$_o$	orrc	c	c
	Wick	cir$_o$	cid$_o$c	C	cph$_o$
16	Lerwick	cir$_o$	cph$_o$	cph$_o$	cph$_o$
17	Blacksod Point	ir	ir	PRc	pr$_o$c
18	Malin Head	cpr$_o$	cpr	cprz	cprz
	Aldergrove	cpr$_o$	or$_o$cr$_o$	c	cordm
	Donaghadee	bccprq	cprc	c	cour$_o$
19	Birr Castle	cpr$_o$c	cpr$_o$bc	bcopr	cpR
20	Valentia Obsy.	cbc	cbc	bcpr	cpr
	Roches Point	oid$_o$bc	bcc	cbcw	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.
f$_s$, fog over sea (coast station).
f$_g$, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
k$_s$, 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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—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 1/10 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

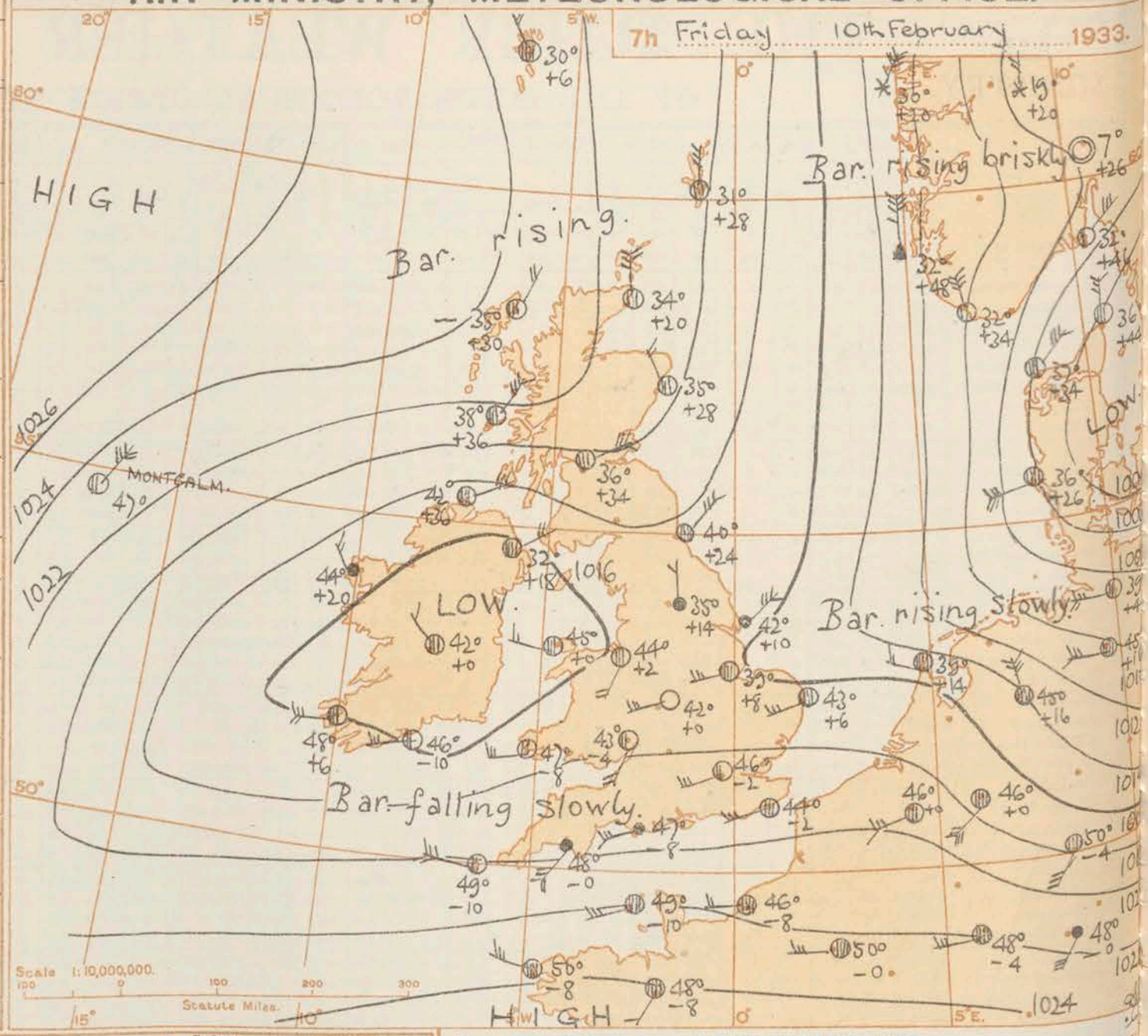
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

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.*

REPORTS from HEALTH RESORTS for 9th February 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 8th to 9h. 9th	Temperature. Max. 9h.—17h. 9th	Rainfall. Night. 17h. 8th to 9h. 9th	Rainfall. Day. 9h.—17h. 9th	Sunshine. Sunrise to 17h. 9th	Sunshine. Sunrise to Sunset. 8th
1	Tunbridge W.	0m	odem	48	50	-	Trace	0·0	0·0
	Bournemouth	o	o	46	51	-	-	0·0	0·0
	Ventnor ...	of	odf	47	49	-	0·3	0·0	0·0
	Southsea ...	o	opo	48	50	-	Trace	0·0	0·0
	Bognor Regis	ocid	ocid	46	48	1 -	Trace	0·0	0·0
	Littlehampton	cme	cmead	45	48	Trace	Trace	0·0	0·0
	Worthing ...	od.	od.	46	48	Trace	Trace	0·0	0·0
	Brighton ...	fe	fe	45	48	Trace	Trace	0·0	0·0
	Eastbourne†	od. o	od.	47	50	0·2	0·1	0·0	0·0
	Hastings† ...	omd.	omd.	47	50	0·2	0·3	0·0	0·0
	Folkestone ...	omd.	omid.	45	49	0·1	Trace	0·0	0·0
	Dover... ...	od	odd	45	50	Trace	0·1	0·0	0·0
	Deal	bco	o	47	53	-	-	0·0	0·3
	Ramsgate ...	c	c	47	53	-	-	0·3	0·2
	Margate ...	c	bcc	48	54	-	-	0·3	0·1
2	Southend ...	c	c	44	49	Trace	-	0·0	0·1
	Maldon ...	c	c	50	55	-	-	0·0	0·4
	Clacton-on-Sea	c	c	42	49	-	-	0·3	0·1
	Dovercourt ...	oc	bcc	49	54	-	-	0·4	1·4
	Lowestoft ...	c	c	46	55	Trace	-	1·0	1·3
	Skegness ...	bcm.	com.	44	54	Trace	-	1·6	1·3
	Mablethorpe	c	c	45	56	-	-	2·5	2·1
	Cleethorpes ...	c	c	46	57	-	-	2·8	1·5
3	Leamington S.	c	c	47	56	-	-	0·0	0·0
4	Cheltenham†	odib.	cqc m.	49	51	Trace	Trace	0·2	0·3
5	Bath	cir	ir. c	51	55	1	0·3	0·0	0·0
	Weymouth ...	cm	cfc	49	50	Trace	-	0·0	0·0
	Jersey ...	rcfbc	cdf	48	51	0·5	0·4	0·3	?
	Torquay ...	odm.	odde	50	54	0·2	0·2	0·0	0·0
	Penzance ...	m. cb	m. bc	49	54	1	Trace	0·7	0·0
	St. Ives ...	c	c	50	54	Trace	-	1·8	0·0
	Bude	oid. o	oe	49	51	1	0·3	0·1	0·0
	Ilfracombe ...	od	o	50	52	1	0·1	0·0	0·0
6	Aberystwyth	idc	cm.	47	50	1	-	0·0	0·0
7	Llandudno ...	cbc	bcc	50	55	1	-	2·3	0·2
	Colwyn Bay...	cbcbc	bcbcc	50	56	0·3	-	1·6	0·0
	Rhyl	c	bcc	49	55	0·3	-	1·3	1·0
8	Wallasey ...	cbc	bbccp	47	55	Trace	Trace	3·1	0·1
	Southport‖ ...	ocbc	bcbcpc	48	53	-	0·3	2·8	0·0
	Blackpool ...	oc	coq	46	50	0·2	-	1·1	0·0
	Morecambe ...	cbbc	cror	46	50	Trace	2	0·3	0·0
9	Ilkley... ...	bc	bcr	44	52	Trace	0·5	0·4	0·0
10	Berwick-on-T.	bPRc	cPRo	47	52	-	3	3·5	0·0
11	Dunbar ...	bc	cb	48	54	-	0·5	3·3	0·0
12	Troon... ...	oror	coco	47	50	0·3	1	0·2	0·0
	Douglas ...	omqc	cbcmic	46	54	0·3	3	2·7	0·3

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



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 10th.Feb.1933.
1. S.E. England 2. E. England...	Light or moderate southwest or west wind, veering to north or northeast; cloudy, probably some rain, bright intervals later; rather mild becoming colder.
3. E. Midlands 4. W. Midlands	Wind becoming north or northeast, light or moderate; cloudy, occasional rain or showers at first; bright intervals later; colder, local ground frost tonight.
5. S.W. England 6. South Wales	Moderate or fresh southwest or west wind, veering north or northeast; cloudy, occasional rain; bright intervals and showers later; rather mild becoming colder.
7. North Wales	As 2 - 4.
8. N.W. England 9. N. Midlands 10. N.E. England	Light or moderate northeast or north wind; showers of rain, hail or sleet, perhaps snow on the hills; bright intervals; rather cold, local frost tonight.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Light or moderate northerly wind; bright intervals; some wintry showers; rather cold, frost in many places tonight.
17. N.W. Ireland 18. N.E. Ireland	Light or moderate northeast or north wind; showers and bright intervals; rather cold, local frost at night.
19. S.E. Ireland 20. S.W. Ireland	Wind becoming northerly, light or moderate; occasional rain or showers, bright intervals; colder.

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

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◎ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— ○ Clear sky. ◔ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 5/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✳ Snow. ✳ Sleet ▲ Hail ≡ Fog ≡ Mist. T Thunder. ⊠ Thunderstorm.
SEA DISTURBANCE. ~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A depression is centred to north of Norway. A trough of low pressure across England and Ireland is moving south while a ridge of high pressure extending from an anticyclone north of the Azores to Iceland is likely to move southeast. Weather will be rather cold in the North with some wintry showers, while cooler conditions will spread to the South.

FURTHER OUTLOOK.

Mainly fair for a time but probably becoming unsettled and milder again in the Northwest.

Forecasts issued at 1020 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

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

Morning of
Friday,
10th FEBRUARY.
1933.

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 the wind. Number of feathers indicate Beaufort Force.
⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 10th February 1933.

No. 26013

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

Diagram.	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	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croyden	217	1019.1	+6	W'S	4	C	48	85	7	5	1	-	4-6	9+	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	10206	+4	SWW	3	C	46	95	6	5	-	-	9+	9+	4000
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1019.6	+2	WSW	4	C	46	95	6	-	1	-	0	10	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1014.6	+14	WSW	3	bc	49	85	6	4	-	6	2-3	4-6	2500
	Cranwell	240	1015.7	+12	W'S	5	C	46	85	7	5	-	-	9	9	2500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1021.2	+4	W	4	C	47	95	7	4	-	-	10	10	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	222	1023.2	+2	WSW	4	C	48	95	8	8	-	-	9+	9+	4000
	Scilly (St. Mary's)	163	1022.9	-2	W	5	C	50	95	6	5	-	-	10	10	4000
	Guernsey	175	1023.7	0	W	2	C	50	95	6	8	1	-	7-8	10	2500
6	Pembroke	142	1018.3	0	W	4	q	48	95	6	5	-	-	10	10	4000
7	Holyhead	26	1016.1	+10	SWW	3	C	47	85	7	5	-	-	9+	9+	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1012.3	+8	NWW	6	16	44	95	6	6	2	-	7-8	9+	1500
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	67	1013.5	+24	N	3	16	43	95	7	6	-	-	10	10	1500
11	Inchkeith	190	1014.6	+26	NE	5	C	39	75	8	5	2	-	4-6	10	1500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1018.0	+30	NE	5	C	37	65	8	4	6	-	7-8	10	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1016.8	+24	N	4	C	36	95	8	8	1	-	7-8	10	2500
16	Lerwick	54	1015.4	+24	N	4	C	31	95	8	9	-	-	9+	9+	1500
17	Blacksod Point	18	1013.3	+2	W	3	C	49	95	7	3	-	-	7-8	7-8	220
18	Malin Head	52	1011.8	+16	SW	1	C	44	95	7	8	7	-	4-6	9+	1500
	Aldergrove	288	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1017.3	0	WN	4	C	48	95	8	4	-	-	9+	9+	2500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 10th 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. Mod. (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)
1018.9	-2	SW	2	c	46	95	5	7	7	-	4-6	7-8	2500	1	*
1018.9	-2	WSW	3	bc	46	85	6	-	7	1	0	4-6	-	1	*
1018.8	-2	SW	2	c	45	95	6	5	3	1	4-6	7-8	800	1	*
1018.1	-4	SSW	3	bc	44	95	7	5	-	-	4-6	8-6	2500	1	*
1018.7	-8	SW'S	2	c/pr	44	95	6	9	1	-	9	9	800	1	*
1019.4	-6	SW	4	bc	45	95	6	5	4	-	4-6	4-6	4000	1	2
*	*	SW	2	0	*	*	5	6	-	*	10	10	800	*	2
1019.7	-2	WSW	3	c	44	95	6	5	1	-	4-6	9+	4000	1	*
1018.3	0	W	2	bc	44	95	6	-	7	-	0	4-6	-	1	*
1017.7	+4	WSW	2	b	44	95	6	-	-	1	0	1	-	1	1
1016.5	+6	WSW	3	c	43	85	7	5	-	-	7-8	7-8	2500	0	2
1016.8	+8	WSW	3	c	39	95	6	5	-	-	7-8	7-8	2500	1	*
1017.3	0	WSW	3	b	42	95	7	-	-	-	0	0	-	1	*
1018.1	-2	WSW	2	fg	39	95	5	1	3	-	1	4-6	2500	1	*
1017.4	-4	SSW	2	bc	43	85	8	8	-	-	4-6	4-6	4000	1	*
1019.8	-8	W'S	4	cb	47	95	7	4	-	-	10	10	1500	1	3
1019.9	-12	SW	5	cb	48	95	8	9	3	-	9	9+	1500	1	3
1020.8	-6	W	4	bc	49	95	8	8	-	-	4-6	4-6	4000	1	3
1020.5	-10	WNW	5	bc	49	95	7	5	4	-	2-3	4-6	4000	1	3
1022.2	-10	WSW	3	0	49	95	6	5	-	-	10	10	2500	1	3
1018.5	-8	W	3	bc	47	95	6	5	-	-	2-3	2-3	2500	0	2
1015.9	0	WNW	2	c/pr	45	95	8	2	-	-	9+	9+	1500	1	0
1016.3	+2	SWW	2	c/pr	44	95	6	5	-	-	9+	9+	1500	1	*
1016.2	+6	WNW	3	RR	43	95	7	6	-	-	10	10	1500	1	*
1017.7	+14	N	1	cb	38	95	4	5	-	-	10	10	1150	1	*
1016.4	+10	NE	4	dd	42	95	7	6	2	-	7-8	10	1500	1	3
1018.4	+22	NNE	3	cb	39	95	6	6	-	-	10	10	800	1	*
1017.4	+24	NE	4	0	40	75	8	6	-	-	10	10	1500	1	3
1019.8	+20	NE	5	cb	36	65	8	5	1	-	4-6	9+	1500	1	3
1021.0	+26	ENE	3	c/ps	35	75	8	5	2	-	7-8	10	4000	1	*
1021.1	+34	ENE	4	c	36	75	6	5	-	-	10	10	2500	1	*
1019.3	+22	ENE	5	5s	33	85	5	6	-	-	10	10	800	1	*
1020.4	+36	ENE	4	c	38	65	7	5	7	-	4-6	10	2500	0	4
1023.8	+30	ENE	2	c	35	75	8	8	6	-	2-3	7-8	1500	1	2
1022.4	+36	N	2	c	30	65	8	4	2	-	2-3	7-8	2500	5	*
1021.5	+28	NNE	2	c	35	75	7	5	-	-	9+	9+	2500	*	1
1021.3	+20	N	5	c/ph	34	85	8	8	1	-	4-6	9	1500	6	3
1020.4	+28	N	3	c/ph	31	75	8	8	-	-	9	9	1500	4	*
1017.2	+20	NW	2	prs	44	95	8	3	-	-	7-8	7-8	450	1	3
1016.9	+36	ENE	4	c	42	95	7	3	1	-	9	9+	1500	1	3
1015.8	+32	ENE	2	c/r	41	95	6	5	-	-	10	10	450	1	*
1015.8	+20	SE	4	c/r	42	95	7	6	-	-	10	10	800	1	3
1014.9	0	NW	1	c/pr	42	95	8	9	2	-	9	10	2500	1	*
1016.6	+6	NW	5	c	43	75	8	3	-	-	9	9	1500	1	*
1015.7	-10	W	3	bc	46	85	8	3	-	9	2-3	4-6	1500	0	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 9th Hrs. (36)
54	46	41	-	-	0.1
53	46	43	-	-	0.0
53	44	39	Tr.	-	0.1
52	44	40	Tr.	-	0.0
53	43	40	Tr.	0.1	0.2
49	45	41	Tr.	-	0.0
48	43	*	0.3	Tr.	*
50	43	41	Tr.	Tr.	0.0
53	43	40	-	-	0.0
51	43	38	-	-	0.4
56	42	41	-	-	0.5
55	38	36	-	-	3.5
54	41	38	-	-	0.5
52	38	29	0.1	-	*
55	43	37	-	-	0.2
49	46	*	Tr.	Tr.	*
52	47	45	0.2	1	0.0
51	48	*	0.1	0.1	*
54	48	*	0.1	-	1.0
52	49	47	0.3	-	0.0
50	46	*	-	-	~~0.5~~ 0.3
52	45	42	Tr.	1	2.8
57	40	30	Tr.	Tr.	2.5
53	43	42	0.1	2	2.3
54	38	37	1	12	1.1
54	41	*	-	6	3.9
54	39	38	1	9	2.8
57	39	36	Tr.	4	*
52	34	33	1	Tr.	2.0
51	35	33	5	Tr.	1.6
51	36	35	5	0.4	~~4.0~~ 0.5
48	33	32	12	4	0.0
49	38	37	16	-	0.0
48	34	*	2	Tr.	0.0
44	28	27	13	-	0.0
54	34	33	3	-	1.7
46	32	*	0.6	0.1	*
43	31	*	Tr.	Tr.	0.0
52	42	*	4	2	*
51	41	*	1	2	0.0
51	40	36	3	1	0.0 5
55	41	*	2	0.3	*
54	38	31	0.1	7	0.6
54	47	44	-	1	3.6
54	45	*	Tr.	Tr.	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except Greenwich & Hampstead rainfall, 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	bcc	c	cbcm	54	46	41	-	-	0.1	*	*	6.9.5
Croydon	217	cm	cmc	cm	53	46	43	-	-	0.0	*	*	*
Greenwich (Royal Observatory)	149	c	c	cbc	54	45	40	-	-	0.0	86	85	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.1	*	*	*
Westminster (St. James' Park)	27	*	*	*	54	46	41	-	-	0.0	85	86	*
†Regents Pk. (Botanic Gardens)	168	*	*	*	54	46	43	-	-	0.0	87	88	*
Camden Square	110	oc	c	*	54	46	41	-	-	*	*	89	*
Kensington	80	coc	c	*	54	46	39	-	-	0.0	At 18h 91	91	*
Hampstead Observatory	450	o	bc	*	52	43	36	-	-	0.0	*	93	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0.8	18h 9th	Nil	0h-6h 10th

Kew Observatory. Max.	Time.	Min.	Time.
0.2	9h 9th	0.1	4h 10th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 9th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 10th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1025.0	SW	6	cd	54	1022.3	W	3	0	50
Brussels	1019.1	SW	5	dd	52	1019.0	WSW	4	c	46
Berlin	1016.4	SW	4	c	46	1006.1	W	7	c/r	48
Zurich	1029.1	S	1	0	45	1025.1	S	1	c	45
Rome	1021.9	WSW	3	b	55	1025.5	ENE	2	bc	39

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
55	50	Tr.	-
54	46	Tr.	1
48	37	0.4	2
	39		Tr.
66	36	-	-

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.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

† Hr. observations are from Valentia W/T station. ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 11th February 1933.

No. 26014

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

District.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1013.0	- 8	WSW	2	bc	51	75	7	8	–	–	4-6	4-6	2500
	Croydon	1018.5	- 4	WNW	2	pr	49	85	6	9	9	–	7-8	9+	1500
	S. Farnborough	1017.9	-12	W	2	pr	51	65	7	9	3	–	9+	9+	1500
	Winchester	1018.5	- 6	N'W	3	pr	45	95	6	9	–	–	9	9	1500
	Boscombe Down	1018.0	-10	NW	2	c	50	85	7	9	1	–	9	9	800
	Calshot, S'thmtn	1018.4	-14	SSW	3	jp	51	85	6	9	–	–	7-8	7-8	2500
	Dungeness	*	*	W	2	c	*	*	5	5	–	*	7-8	7-8	1500
	Lympne	1018.7	-10	NNW	1	c/pr	49	75	8	8	3	–	4-6	7-8	2500
2	Shoeburyness	1018.4	- 2	NE	2	c	50	85	6	8	3	–	7-8	9	4000
	Felixstowe	1018.7	+ 2	NNW	2	c	50	75	8	7	–	–	7-8	7-8	4000
	Gorleston	1019.6	+10	NE'N	4	c	41	85	6	8	–	–	10	10	1500
	Cranwell	1020.1	+14	NE	4	r$_o$	40	95	6	6	–	–	10	10	800
3	Birmingham	1018.6	+ 8	NNE	2	of	42	95	3	6	–	–	10	10	1500
	Upper Heyford	1018.4	- 2	N	3	pr$_o$	45	85	8	8	–	–	9+	9+	1500
4	Ross-on-Wye	1017.4	0	N	2	jp	52	75	8	9	–	3	4-6	7-8	4000
5	Portland Bill	1018.3	- 8	WSW	4	c	48	95	7	4	–	–	7-8	8	2500
	Plymouth	1018.3	-12	SW	3	jp	50	85	7	8	–	–	4-6	4-6	4000
	The Lizard	1020.5	- 8	W	4	bc	51	85	8	8	6	–	4-6	4-6	5700
	Scilly (St. Mary's)	1018.8	-12	NW'N	5	pr$_o$	50	95	7	3	–	–	7-8	7-8	2500
	Guernsey	1020.1	-12	W'N	2	bc	51	85	7	8	–	–	4-6	4-6	2500
6	Pembroke	1016.4	0	WSW	1	c	50	95	6	5	7	–	4-6	9	2500
7	Holyhead	1018.5	+14	ENE	6	c	46	85	4	5	–	–	9+	9+	1500
	Chester (Sealand)	1019.7	+14	ENE	4	c/r$_o$	42	85	6	6	–	–	9+	9+	800
8	L'pool (Bidston)	1020.1	+18	E	5	d	40	85	4	6	1	–	4-6	9+	800
9	Harrogate	1022.4	+14	NNE	2	ir	36	95	8	6	2	–	9	10	2500
10	Spurn Head	1020.7	+12	ENE	5	pr$_o$	41	85	7	6	2	–	7-8	10	1500
	Catterick	1023.7	+26	NNE	3	c/ph$_o$	36	85	7	8	–	–	10	10	1500
	Tynemouth	1023.4	+28	NE	4	o/rs$_o$	40	65	8	6	–	–	10	10	1500
11	Inchkeith	1026.1	+30	NNE	5	c	37	65	8	7	4	–	7-8	9	4000
	Leuchars	1026.3	+26	NNE	3	c	38	75	8	8	4	–	4-6	7-8	2500
12	Renfrew	1026.9	+34	NNE	3	c	38	65	8	5	–	–	9+	9+	4000
	Eskdalemuir	1023.2	+30	NNE	5	s$_o$s$_o$	33	75	8	5	2	–	4-6	10	1500
13A	Tiree	1028.7	+40	NNE	5	c	39	55	9	5	4	–	9+	9+	2500
13B	Stornoway	1029.5	+22	NE	2	bc	38	65	8	8	7	–	2-3	4-6	1500
15	Dalwhinnie	1027.8	+20	NNE	3	c	32	95	8	4	4	–	4-6	7-8	1500
	Aberdeen	1026.7	+30	NNW	3	ps$_o$	36	85	5	9	–	–	9+	9+	1500
	Wick	1026.9	+20	NNW	4	bc/ps	34	85	8	3	8	–	4-6	4-6	1500
16	Lerwick	1024.8	+ 4	N	2	c/ps	31	75	8	8	3	–	4-6	7-8	1500
17	Blacksod Point	1025.0	+22	N	7	pr	45	85	8	3	–	–	4-6	4-6	450
18	Malin Head	1026.2	+44	NE	3	c	39	85	7	8	1	–	9	9+	800
	Aldergrove	1024.6	+42	NE	4	c	38	85	8	8	2	–	7-8	10	1500
	Donaghadee	1024.4	+28	ENE	5	q	40	75	8	5	–	–	9+	9+	1500
19	Birr Castle	1021.0	+30	NE	2	c	46	95	8	3	–	–	9+	9+	1500
20	Valentia Obsy.	1022.8	+26	N'W	5	bc/pr$_o$	49	85	8	9	–	–	4-6	4-6	1500
	Roches Point	1019.1	+26	NW	5	c	47	85	8	3	–	–	7-8	7-8	1500

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

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)
1020.8	+30	NE	4	RR	42	95	5	9	–	–	10	10	1500	1	*
1020.3	+30	ENE	4	RR	42	95	5	6	–	–	10	10	800	1	*
1020.0	+26	NE'N	4	ir	43	95	6	6	–	–	10	10	1500	1	*
1019.1	+14	NNE	3	c	44	85	7	5	–	–	7-8	7-8	4000	1	*
1018.9	+20	NE'N	3	c/r$_o$	44	95	6	9	–	–	9+	9+	800	1	*
1018.4	+ 6	–	0	c	45	95	6	8	–	–	9+	9+	2500	1	0
*	*	NW	2	rr	*	*	4	6	–	*	10	10	800	*	2
1019.7	+14	NE'E	4	rr	43	95	5	6	–	–	10	10	450	1	*
1021.1	+24	NE	5	ir	40	95	6	6	–	–	10	10	800	1	*
1021.7	+24	NE'N	4	c	40	75	7	5	–	–	9	9	1500	0	3
1022.6	+20	NE'N	4	id$_o$	40	75	7	6	–	–	10	10	2500	1	3
1024.4	+26	NNE	3	c	38	75	7	5	2	–	7-8	9+	1500	1	*
1023.4	+30	NE	4	c	37	85	5	6	–	–	9+	9+	800	1	*
1022.0	+34	NE'N	4	ir$_o$	38	95	7	6	–	–	9+	9+	800	1	*
1021.2	+40	NE	5	ir	39	85	6	6	–	–	10	10	1500	1	*
1017.7	- 4	SSE	2	c	47	85	7	4	–	–	9	9	1500	1	3
1017.6	+ 4	NW'N	3	jp	46	85	7	9	–	3	7-8	7-8	800	1	2
1018.5	+ 6	NNW	2	pr	45	95	8	8	3	–	4-6	7-8	5700	1	2
1019.2	+14	N	6	jp	47	95	7	3	–	–	7-8	7-8	2500	1	3
1019.7	- 4	W	1	c	47	95	6	8	–	–	7-8	7-8	2500	1	2
1021.0	+18	NE	2	c	45	85	7	8	6	4	4-6	7-8	2500	0	1
1025.6	+42	NE'E	6	c/r	40	85	6	5	2	–	9+	10	2500	1	3
1025.9	+36	NE	4	ir$_o$	39	75	6	5	–	–	9+	9+	1500	1	*
1025.6	+28	ENE	4	ir$_o$	37	85	6	6	–	–	10	10	800	1	*
1026.4	+14	NNE	1	c	35	95	7	6	2	–	7-8	9+	2500	1	*
1023.7	+12	NE	6	c	39	85	7	3	7	8	4-6	7-8	1500	0	4
1027.5	+26	N'E	3	c/ps	34	95	6	6	2	–	4-6	9+	1500	1	*
1027.0	+20	NE	5	c/rs	39	65	8	6	–	–	9	9	1500	1	3
1028.9	+20	NNE	4	c	36	65	8	8	4	–	4-6	7-8	4000	0	3
1030.3	+26	N	2	c	35	65	8	5	3	–	7-8	9	2500	1	*
1031.5	+34	NNE	2	c	36	65	7	5	3	–	4-6	7-8	4000	1	*
1029.9	+30	NNE	3	c	32	75	9	5	–	–	9+	9+	1500	1	*
1033.0	+32	N'E	4	b	38	55	9	7	4	1	Tr	1	2500	0	4
1032.1	+12	WNW	1	pr	38	75	9	9	7	–	4-6	9+	1500	1	0
·	+10	NNE	3	bc	30	95	8	4	–	–	4-6	4-6	2500	5	*
1030.2	+24	NNW	3	c	35	75	8	8	–	–	9	9	2500	6	2
1029.9	+20	NW	4	c	36	85	8	8	1	–	7-8	10	1500	1	3
1028.3	+20	W'N	3	c	32	75	7	8	–	–	9+	9+	1500	0	*
1032.5	+30	N	6	c	41	85	8	3	–	–	7-8	7-8	450	0	4
1031.4	+36	N'E	4	c	39	75	8	4	1	–	9	9+	1500	1	3
1030.6	+38	NNE	4	c	37	75	7	5	–	–	10	10	4000	1	*
1029.3	+22	ENE	4	c	40	65	8	5	–	–	9	9	1500	0	3
1027.7	+40	NE	3	c	39	85	8	5	–	–	10	10	2500	1	*
1027.3	+30	NNE	5	c	46	75	8	6	–	–	9	9	1500	1	3
1024.3	+22	NE	5	c	45	85	8	3	–	–	7-8	7-8	1500	0	4

PAST 24 HOURS. WEATHER.

7h.–13h. 10th (37)	13h.–18h. 10th (38)	18h. 10th to 1h. 11th (39)	1h.–7h. 11th (40)
cpr$_o$bc	otlo Rrm$_o$	oRirbc	bc
cr$_o$c	bcctlrs$_o$	om$_o$rrb	bm$_o$cb
bccprc	cPbccr	oRbc	cbx
bcprbccPR	cPRHq c	cpr$_o$bc	bc
cpr	pr$_o$r$_o$c	cbc	bbc
bccpr$_o$m$_o$	cm$_o$	cprs$_o$q	bcq
o	r	*	o
cprbc	clrorr	orrerr	crrpsps
bcm$_o$cm$_o$	coirm$_o$	cid$_o$bc	bxps$_o$
bbc3$_o$	bccd$_o$m$_o$c	cps$_o$	cs bc
c	cq	oid prh$_o$	cq phr
r$_o$r$_o$c	r$_o$rc	cirs$_o$c	cs$_o$c
orr	s ors	cbc	bc
bccpr$_o$	cprcrr	cr$_o$r$_o$bc	bc
bcbbcp$_o$c	phcor$_o$q	r$_o$cc	cbb
cid$_o$c	cprc	c	cbc
cm$_o$bcpr$_o$	bccprm$_o$	cpr$_o$	cbc
bcc	cphc	cbco	oc
bccp$_o$	bcp$_o$c	cp	c
cprbc	bcc	coirq	oc
bbccpr$_o$m$_o$	cm$_o$bcc	cq	cqbcb
cpr$_o$	mir$_o$c	em$_o$bc	bc
cm$_o$r$_o$	rrr$_o$m$_o$	r$_o$c	cbcx
iRmcd$_o$	orfm$_o$o	cbcc	cbbc
ocir	cirs	cbcp	cbcpsh
pr$_o$	pr$_o$cq	qphc	ciphs
or$_o$mrph$_o$	cps	cps$_o$b	bxbc
oir$_o$s$_o$	ocqir$_o$s$_o$	cprs$_o$q	cprs$_o$q
c	c	bcc	Xc
ps$_o$c	c	cps$_o$bcc	cbx
cps$_o$bcc	cbx	cb	bx
c	cps$_o$b	bcbm$_o$x	bcbm$_o$x
cs$_o$s$_o$	vcc	bx	vbxbcx
cbcvy	cbcvy	bcpr$_o$	pr
cps$_o$	bcc	cpr$_o$bc	bccpr$_o$
bc	bc	*	b
cbcps$_o$	bcps$_o$	bcps$_o$	cps$_o$bc
bcps	bcpsc	cisc	c
cps	cps$_o$	c	c
PRcq	pr$_o$cq	bc	b
cpr	c	bc	bcpr$_o$
cpr$_o$c	cr$_o$bcc	c$_o$b	bbx
oir$_o$cq	cir$_o$c	bcq	bc
cprc	cpr$_o$	cbc	bcx
cpr$_o$bc	bcc	cbcb	b
bcp$_o$c	cp$_o$c	c	cbcx

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, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
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.
n, 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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—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.
"t r" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
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.

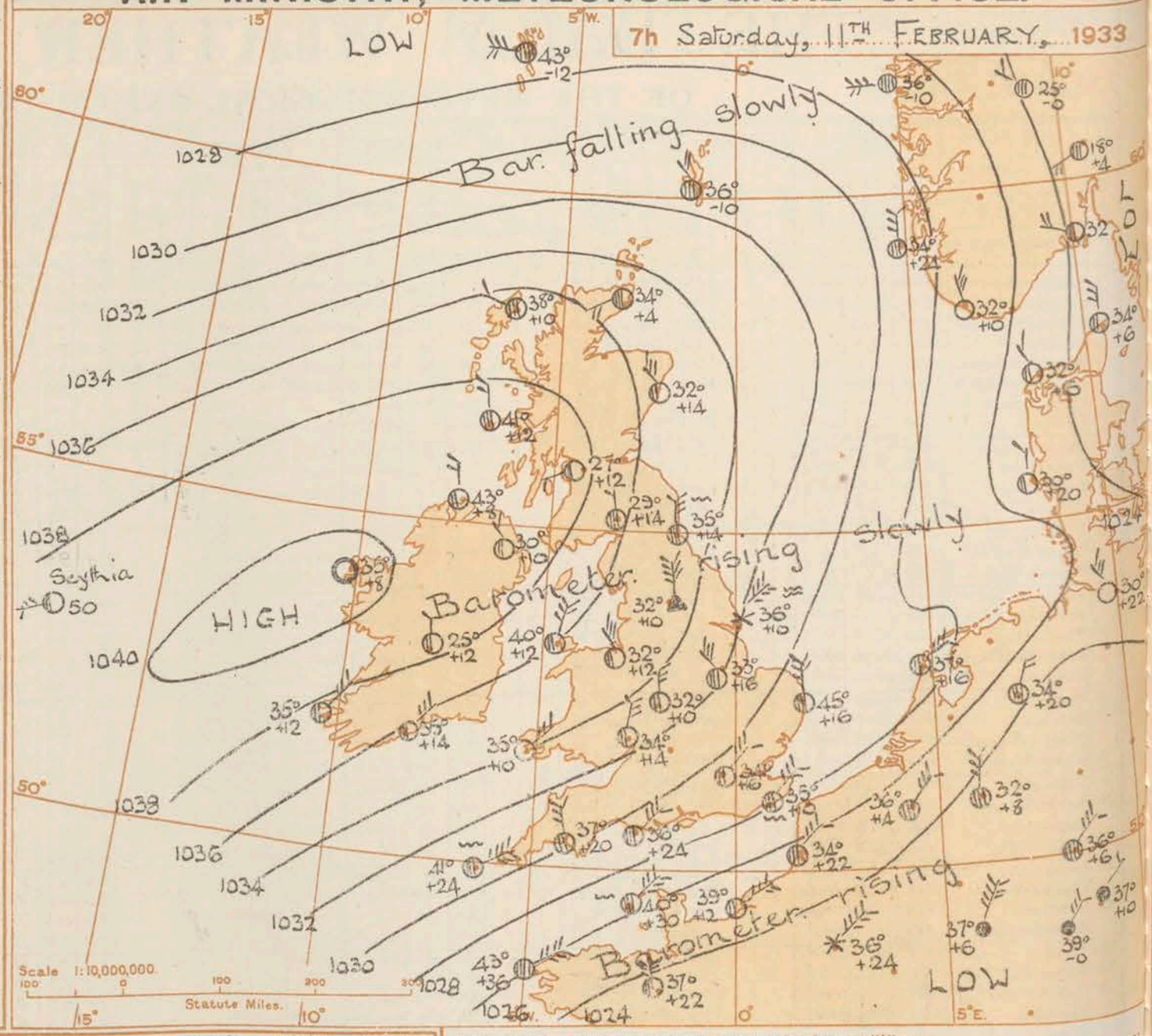
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for 10th February 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 9th to 9h. 10th	Temperature. Max. 9h.—17h. 10th	Rainfall. Night. 17h. 9th to 9h. 10th	Rainfall. Day. 9h.—17h. 10th	Sunshine. Sunrise to 17h. 10th	Sunshine. Sunrise to Sunset. 9th
1	Tunbridge W.	orcbc	ohtlo	42	53	–	4	2.5	0.0
	Bournemouth	cbbhc	bhc	46	53	–	1	3.4	0.0
	Ventnor ...	opofb	bor	45	51	0.3	3	4.3	0.0
	Southsea ...	cpcb	bcPH	45	54	Tr	5	2.6	0.0
	Bognor Regis	crhbc	bc	45	50	Tr	1	3.0	0.0
	Littlehampton	cbcp	bcpbc	44	50	–	0.6	3.5	0.0
	Worthing ...	cbc	bbcp	44	49	Tr	2	3.0	0.0
	Brighton ...	mbc	bcrc	44	50	–	1	1.5	0.0
	Eastbourne†	o$_o$oc	bco$_o$o	46	49	0.1	0.2	2.2	0.0
	Hastings† ...	cPpc	copc	44	50	Tr	7	0.6	0.0
	Folkestone ...	bc	bccp	44	52	–	3	3.2	0.0
	Dover... ...	bcpc	coR	44	51	Tr	12	2.5	0.0
	Deal	bcor	rcpo	45	52	–	3	1.2	0.0
	Ramsgate ...	bcc	co	45	54	–	–	1.2	0.3
	Margate ...	bc	cdr	45	51	–	0.2	3.1	0.3
2	Southend ...	bccm	cmoir	42	50	Tr	0.4	1.1	0.0
	Maldon ...	mbcc	cd$_o$o	41	50	–	Tr	1.4	0.0
	Clacton-on-Sea	bccp	cpom$_o$	42	51	–	1	3.8	0.2
	Dovercourt ...	bcm	bcoc	42	51	–	–	3.9	0.4
	Lowestoft ...	bcc	oh$_o$rc	40	45	–	Tr	0.4	1.0
	Skegness ...	om$_o$	om$_o$	41	42	–	–	0.0	1.6
	Mablethorpe	oc	cv	40	42	3	–	0.0	2.5
	Cleethorpes...	or$_o$	r$_o$c	41	42	5	Tr	0.0	2.8
3	Leamington S.	codc	rco	38	45	–	17	0.0	0.0
4	Cheltenham†	bcwb	corrc	41	49	–	3	3.8	0.2
5	Bath	cpbc	bbcrh	46	53	0.3	2	4.1	0.0
	Weymouth ...	b	bcpc	46	54	–	0.4	4.6	0.0
	Jersey ...	pcrc	cbc	47	50	0.2	1	3.7	0.3
	Torquay ...	p$_o$bbcp	cPR	47	55	Tr	0.6	3.9	0.0
	Penzance ...	cbc	bmrc	47	53	Tr	0.2	4.3	0.7
	St. Ives ...	pr	pr	47	50	4	2	3.2	1.8
	Bude	bbcc	cpbcb	45	50	0.2	0.5	3.4	0.1
	Ilfracombe ...	bbcp	bcpc	47	51	6	1	2.0	0.0
6	Aberystwyth	cmc	ccirc	45	48	–	2	0.6	0.0
7	Llandudno ...	cr	crcc	44	46	2	4	0.0	2.5
	Colwyn Bay...	bccpo	orrd	43	46	1	2	0.0	1.6
	Rhyl	cm$_o$	om$_o$d	43	46	0.5	1	0.0	1.3
8	Wallasey ...	ro	ro	41	42	6	1	0.0	3.1
	Southport‖ ...	ro	op$_o$6	39	42	7	1	0.0	2.8
	Blackpool ...	oro	o$_o$o	39	41	8	0.1	0.0	1.1
	Morecambe ...	c	c	39	42	7	–	0.0	0.3
9	Ilkley... ...	or	orf	37	46	17	1	0.0	0.4
10	Berwick-on-T.	oh$_o$	ps$_o$o	34	38	2	0.4	0.0	3.5
11	Dunbar ...	bc	cph	35	41	Tr	0.3	0.0	3.3
12	Troon... ...	r$_o$oc	cbcc	33	41	Tr	–	0.0	0.2
	Douglas ...	corS	oirsc	39	41	6	3	0.0	2.7

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Feb. 11th., 1933.
1. S.E. England 2. E. England... 3. E. Midlands	Moderate or fresh to light northeast or north wind; fair but local wintry showers at first on and near the coast; local morning mist or fog; rather cold, frost at night.
4. W. Midlands 5. S.W. England 6. South Wales	Moderate or fresh to light northeast wind; fair; local morning mist or fog; rather cold, local frost at night.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Moderate or fresh northerly wind, becoming light and variable; fair; local morning mist or fog; rather cold, frost at night.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Light variable to southwest wind; mainly fair; rather cold becoming milder.
13. A. W. Scotld. / B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Light or moderate west to southwest wind, probably freshening; mainly cloudy, probably local rain later; rather cold, becoming milder.
17. N.W. Ireland 18. N.E. Ireland	As 11 - 13A.
19. S.E. Ireland 20. S.W. Ireland	Light or moderate variable wind; fair; rather low to moderate temperature.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 5/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

An anticyclone centred near Northwest Ireland is spreading east and southeast and a depression north of Iceland is moving northeast. Over most of the country weather will be fair, but there will be local wintry showers at first on and near the East Coast and some rain later in the extreme Northwest.

FURTHER OUTLOOK.

Mainly fair in the South; unsettled and milder in the North.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

Forecasts issued at 1015 G.M.T.

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

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

Morning of
Saturday,
11th February,
1933.

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 the wind. Number of feathers indicate Beaufort Force.
⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 11th February, 1933.

No. 26014

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

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	1026.1	+22	NE	4	b	36	85	6	1	-	-	Tr	Tr	1600
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1024.8	+20	N'E	5	bc	39	75	7	-	4	-	0	4-6	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1024.7	+18	NNE	5	c/r	36	85	7	5	-	-	7-8	7-8	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1026.3	+12	N'W	4	c	38	95	7	8	3	-	4-6	7-8	2500
	Cranwell ...	240	1029.5	+14	N	3	c	33	95	6	5	-	-	9	9	4000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1024.0	+38	NE	5	c	39	85	7	4	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1023.9	+30	NE'N	4	c	41	85	8	5	-	-	10	10	2500
	Scilly (St. Mary's)	163	1024.9	+26	NE	7	c	44	95	7	8	-	-	9+	9+	2500
	Guernsey ...	175	1020.8	+20	NE	6	c/r	44	95	7	8	-	-	10	10	1500
6	Pembroke ...	142	1029.3	+36	NE	6	c	39	65	7	5	7	-	4-6	7-8	2500
7	Holyhead ...	26	1033.2	+20	NE'N	6	c	40	65	8	7	-	-	7-8	7-8	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1028.3	+8	NE	6	c	36	95	7	6	7	-	4-6	7-8	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1031.3	+16	NNE	5	c	37	85	8	6	-	-	7-8	7-8	1500
11	Inchkeith ...	190	1034.7	+18	NNW	3	c	36	65	8	5	-	-	9+	9+	4000
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1036.2	+16	-	0	bc	35	95	8	8	6	-	2-5	4-6	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1033.8	+12	NW	3	c	37	75	8	8	3	-	4-6	7-8	1500
16	Lerwick ...	54	1031.8	+6	NW	2	c	33	75	8	5	-	-	9+	9+	1500
17	Blacksod Point	18	1038.3	+14	N	3	b	41	85	8	2	-	-	1	1	4000
18	Malin Head ...	52	1037.3	+20	N	1	bc	39	75	8	7	6	-	2-3	2-3	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1034.5	+20	NE'E	5	b	38	95	8	-	-	-	0	0	-
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 11th 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)
1030.4	+14	N	4	bc	34	85	7	5	-	-	2-3	2-3	1500	1	*
1029.6	+16	NNE	4	b	34	85	6	5	-	-	1	1	1500	1	*
1030.5	+20	NNE	4	bc	33	85	7	5	-	-	2-3	2-3	800	1	*
1030.5	+20	N	4	bc	34	85	8	5	-	-	4-6	4-6	1500	1	*
1031.7	+20	NNE	4	c	34	85	7	5	-	-	9+	9+	1500	1	*
1029.1	+22	N	5	bc	35	75	7	5	-	-	2-3	2-3	2500	0	2
*	*	NE	4	c	*	*	6	3	-	*	9	9	1500	*	4
1028.0	+10	N'E	5	jp	35	85	8	8	-	-	7-8	7-8	1500	1	*
1029.6	+18	NNE	3	b/ps	34	95	8	3	-	-	1	1	4000	4	*
1029.6	+16	N	3	bc	33	85	8	8	-	-	2-3	2-3	2500	6	1
1029.1	+16	N	5	c/phr	35	95	56	9	-	-	7-8	7-8	2500	X1	3
1032.9	+16	NW'N	3	c	33	95	7	8	-	-	9	9	2500	6	*
1033.3	+12	N	3	bc	32	85	6	5	-	-	2-3	2-3	2500	1	*
1032.5	+20	N	4	bc	32	95	7	5	3	-	Tr	2-3	800	4	*
1032.4	+14	N	4	b	34	75	7	5	-	-	Tr	Tr	4000	1	*
1029.4	+24	NE	5	bc	36	85	7	4	-	-	4-6	4-6	2500	0	3
1030.4	+20	N	4	bc	37	75	7	8	-	-	4-6	4-6	2500	1	2
1030.6	+30	NE'N	4	c	37	75	8	8	-	-	7-8	7-8	4000	1	2
1030.3	+24	ENE	7	c	41	75	7	8	-	-	7-8	7-8	2500	1	4
1026.5	+32	NE	6	c	40	75	7	8	-	-	10	10	1500	1	4
1034.7	+10	NE	3	bc	35	75	8	1	4	-	1	2-3	4000	0	2
1035.8	+14	NNE	5	bc	40	65	8	1	-	-	4-6	4-6	4000	1	3
1035.7	+12	NW'N	3	bc	32	75	6	5	-	-	2-3	2-3	4000	5	*
1035.7	+10	N'E	3	bc	34	85	8	5	-	8	1	4-6	4000	0	*
1035.2	+10	N	7	ph	32	95	7	3	-	-	9+	9+	2500	7	*
1036.7	+10	NE'N	6	ps	36	95	6	3	2	-	4-6	9	1500	6	5
1035.5	+18	NNW	4	c	33	95	7	4	-	-	7-8	7-8	2500	6	*
1034.8	+14	N	4	c/rs	35	95	7	6	-	-	7-8	7-8	1500	1	4
1036.6	+12	NW	2	c	36	75	8	4	4	-	4-6	7-8	4000	0	2
1036.6	+14	NW	1	b	35	75	7	5	4	-	1	1	4000	4	*
1038.0	+12	WSW	1	b	27	95	6	5	-	1	Tr	1	4000	4	*
1037.4	+14	N	1	c	29	75	9	5	-	-	7-8	7-8	2500	4	*
1038.5	+12	N	2	c	41	85	9	8	-	8	9	9+	1500	1	3
1037.2	+10	WNW	1	c	38	85	8	8	6	-	7-8	10	1500	1	0
1038.1	+16	N	1	bc	23	95	8	4	-	-	2-3	2-3	4000	5	*
1036.4	+14	NW	3	c	32	85	8	8	3	9	4-6	7-8	2500	6	2
1035.3	+4	WSW	2	c	34	95	8	8	7	-	7-8	10	2500	6	2
1031.3	-12	NW	2	c	36	85	8	5	7	-	4-6	7-8	1500	0	*
1040.4	+8	-	0	b	36	85	9	-	-	-	0	0	-	0	2
1038.0	+8	N	2	bc	43	85	8	3	-	-	2-3	2-3	1500	1	1
1038.8	+10	NW	1	b	30	85	8	4	-	-	1	1	4000	4	*
1037.7	+12	ENE	3	bc	41	75	7	8	-	-	4-6	4-6	1500	0	3
1039.1	+12	N	1	bc	26	95	7	-	8	-	0	2-3	-	4	*
1037.7	+12	NE	3	b	35	65	8	1	-	-	Tr	Tr	4000	4	2
1036.7	+14	NE	3	bc	35	85	8	3	-	-	2-3	2-3	1500	0	3

PAST 24 HOURS.

Temperatures. Max. Day 7h-18h °F. (31)	Temperatures. Min. Night 18h-7h °F. (32)	Temperatures. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 10°F Hrs. (36)
52	34	30	19	3	2.3
52	34	31	8	5	0.6
52	33	28	5	6	2.3
53	33	29	5	0.1	3.1
51	32	30	7	-	3.3
52	34	30	8	0.4	2.0
50	36	*	4	9	*
50	33	31	7	3	2.1
51	31	29	0.6	Tr.	1.0
50	32	27	Tr.	0.2	3.9
44	34	32	Tr.	0.4	0.0
42	30	29	0.6	Tr.	0.0
44	31	27	8	-	0.0
49	31	28	1	0.3	*
53	33	27	0.3	1	3.1
49	32	*	1	-	*
50	36	33	2	0.2	4.7
52	37	*	1	0.5	*
57	41	*	0.4	1	5.4
52	40	37	0.4	4	4.0
51	35	*	0.1	-	3.8
48	39	35	0.6	-	1.0
45	32	26	3	Tr.	0.1
43	33	30	6	-	0.0
38	32	28	1	0.3	0.0
42	35	*	0.3	0.3	0.0
39	32	29	1	0.1	0.0
42	35	32	0.3	0.6	*
38	33	25	-	-	0.7
39	31	22	Tr.	-	1.8
38	27	17	Tr.	-	0.1
34	27	23	0.2	-	0.7
40	38	34	-	0.3	1.5
40	34	*	0.1	0.3	2.2
32	21	7	8	-	2.2
38	31	28	0.4	0.6	2.8
37	28	*	0.4	2	*
33	31	*	Tr.	-	1.8
48	34	*	1	Tr.	*
42	38	*	0.4	0.2	0.0
42	29	21	Tr.	Tr.	0.7
42	38	*	3	-	*
46	26	16	0.3	-	0.7
50	34	29	Tr.	-	4.6
48	35	*	Tr.	-	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 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	cp,bc	ot,c,Rm,	o,Rir,bc,bc	52	34	30	19	3	2.3	*	*	6
Croydon	217	cr,c	bc,c,c,lr,fo	c,m,,r,r,b,c,b	52	34	31	8	5	0.6	*	*	4
Greenwich (Royal Observatory) ...	149	cp,c.	cRh,t,l,r	r,c,b,c	53	33	28	9	0.5	0.4	86	81	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.1	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	53	34	30	9		0.7	72	89	*
†Regents Pk. (Botanic Gardens) ...	108	*	*	*	52	33	29	9		0.4	89	80	*
Camden Square	119	c	c,p,h,t,l,r	*	53	33	29	7	-	*	*	82	*
Kensington	80	bc,o,t,r	o,r	*	54	34	29	12	4	1.2	At 18h. 55	81	*
Hampstead Observatory	450	bc	o,r,t,l	*	52	31	26	3	2	1.3	*	82	*

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 10th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 11th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1022.1	-	0	c	50	1021.7	NE	7	ps	36
Brussels	1018.7	·	·	c	45	1024.6	NE'N	4	c	36
Berlin	1014.5	NNW	5	c	37	1022.5	NNW	3	b	28
Zürich	1021.2	NNW	1	rr	43	1016.7	N	2	r,r,	36
Rome	1023.7	NNW	2	c	52	1014.3	SE	3	c	43

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
1.0	16hrs. 10th	Nil.	7hrs. 11th

Kew Observatory. Max.	Time.	Min.	Time.
0.3	18 hrs. 10th	<0.1	4hrs 11th

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
52	34	Tr.	1
48	27	Tr.	-
48	27	Tr.	-
50	34	7	14
63	43	-	-

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.

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.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station. ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 12TH February, 1933.

No. 26015

OBSERVATIONS at 13h. G.M.T. 11TH FEBRUARY.

OBSERVATIONS at 18h. G.M.T. 11TH FEBRUARY

PAST 24 HOURS.

District.	Stations. (For heights see p. 4.)	13h. Barom. at M.S.L. mb. (1)	13h. Change in 3 hours. (2)	13h. Wind. Direc. (3)	13h. Wind. Force. 0-12 (4)	13h. Weather. (5)	13h. Temp. °F. (6)	13h. % Humid. (7)	13h. Visibility 0-9 (8)	13h. 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)	18h. Barom. at M.S.L. mb. (15)	18h. Change in 3 hours. (16)	18h. Wind. Direc. (17)	18h. Wind. Force. 0-12 (18)	18h. Weather. (19)	18h. Temp. °F. (20)	18h. % Humid. (21)	18h. Visibility 0-9 (22)	18h. 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. 11TH (37)	13h.–18h. 11TH (38)	18h. 11TH to 1h. 12TH (39)	1h.–7h. 12TH (40)
1	London (Kew)...	1032.9	+4	NE	5	bc	41	55	7	2	-	-	4-6	4-6	2500	1035.3	+20	NNE	3	bc	39	65	6	1	-	-	4-6	4-6	4000	1	*	bbc	bc	c_3	$bcbm_x$
	Croydon ...	1031.9	+2	NE'N	4	c	39	55	5	7	-	-	7-8	7-8	2500	1034.5	+22	NNE	3	b	38	65	5	5	-	-	1	1	2500	1	*	$bm\ bccm_o$	$bcc3_oy$	$bzcz_o$	$bcxc3_o$
	S. Farnborough	1032.9	+6	NE'N	4	c	40	65	8	9	-	-	9	9	2500	1035.0	+18	NNE	2	b	36	75	7	7	-	-	1	1	2500	1	*	xbbc	cbcb	b_cc_x	cbx
	Winchester ...	1032.8	+4	NNE	5	c	39	65	7	2	-	-	7-8	7-8	2500	1035.1	+18	N'E	3	bc	37	75	8	4	-	-	2-3	2-3	4000	1	*	cbc	bc	b_cbcc	cbm_ox
	Boscombe Down	1033.0	+2	NE'N	5	c	38	65	8	8	-	-	9+	9+	1500	1035.1	+21	N'E	3	c	36	85	7	5	-	-	9	9	1500	1	*	cbcc	cbcc	cb	bm_ox
	Calshot, S'thmtn	1032.2	+2	NNE	5	bc	41	55	7	7	-	-	4-6	4-6	2500	1034.2	+16	N'E	5	b	39	55	8	7	-	1	Tr.	1	2500	0	3	bcqy	bcyby	byb	bxcx
	Dungeness ...	*	*	NE	6	q	*	*	7	3	-	*	4-6	4-6	800	*	*	NE	6	q	*	*	7	8	-	*	7-8	7-8	800	*	3	bc	rs		c
	Lympne ...	1030.9	+6	NE	7	cjp	41	55	9	3	-	-	9	9	2500	1033.3	+14	NE'N	5	prs	37	65	7	6	-	-	9+	9+	800	1	*	psmcvq	cbcpshq	bc_prh_qgc	c
2	Shoeburyness	1032.4	+10	NE	5	bc	41	75	8	8	-	-	4-6	4-6	2500	1034.7	+12	NNE	3	b	35	85	8	1	-	-	Tr.	Tr.	4000	0	*	bbc	bcb	b	bbc
	Felixstowe ...	1032.1	+10	NNE	5	bcjp	42	55	8	8	-	-	4-6	4-6	2500	1034.6	+18	N	3	bc	36	75	8	7	-	-	4-6	4-6	2500	0	1	cp_sbcy	bcy	bc	bc
	Gorleston ...	1032.8	+10	NNE	5	bc	42	85	7	9	-	-	4-6	4-6	2500	1034.1	+14	N	4	bc	39	75	7	9	-	-	4-6	4-6	2500	0	3	cphbcq	bcq	bcqc	cbcx
	Cranwell ...	1035.6	+10	N'W	4	cjp	39	75	8	9	3	-	9	9+	2500	1037.0	+12	N'W	1	c	36	75	8	5	-	-	9	9	4000	1	*	cpsph	cbcc	cb	bxm_o
3	Birmingham ...	1035.4	+6	NNE	4	bc	39	65	5	8	-	-	4-6	4-6	1500	1036.9	+8	NNE	3	c	37	65	4	5	-	-	7-8	7-8	1500	1	*	bbc	bc	cbc	bc
	Upper Heyford	1034.5	+14	NNE	4	bc/pr	39	65	8	1	-	-	4-6	4-6	1500	1036.6	+18	NNE	1	c	36	85	8	7	3	-	9	9+	1500	1	*	$bcpr_o$	bcc	c	cbx
4	Ross-on-Wye ...	1034.7	+6	N	4	c	39	65	6	8	-	-	9	9	4000	1036.3	+12	NNE	3	bc	38	65	6	5	-	-	2-3	2-3	4000	1	*	bbcc	$cbc3_o$	$bzbcm$	bx
5	Portland Bill...	1031.5	+2	NE	5	c	40	85	8	2	-	-	7-8	7-8	2500	1034.4	+20	NE	4	bc	39	85	8	4	-	-	2-3	2-3	2500	0	4	bcc	cbc	b	bbc
	Plymouth ...	1033.2	+10	NE'N	6	q	41	55	8	7	-	-	2-3	2-3	4000	1035.6	+26	NNE	3	b	40	65	6	5	-	-	1	1	4000	1	1	bcqy	$bcqyb3_o$	$b3_o$	bx
	The Lizard ...	1033.7	+4	NE	5	bc	41	65	8	2	-	-	4-6	4-6	4000	1035.1	+10	NE	3	c	40	65	8	8	-	7	7-8	10	2500	0	3	cbcq	bcc	cbc	bcx
	Scilly (St.Mary's)	1034.0	+10	NE	6	c	41	75	7	8	-	-	7-8	7-8	4000	1034.8	+8	NE	6	c	41	75	7	4	-	-	7-8	7-8	4000	0	4	c	c	cbcq	bc
	Guernsey ...	1029.8	+10	NE	5	bc	41	65	8	8	-	-	4-6	4-6	2500	1031.5	+22	NE	6	c	42	55	7	8	-	-	7-8	7-8	2500	0	4	cbc	bcc	bc	bcc
6	Pembroke ...	1038.4	+10	NNE	4	bc	42	65	7	2	4	-	2-3	4-6	2500	1037.3	+8	NNE	2	c	39	65	7	5	4	-	4-6	7-8	2500	0	1	bbcq	bcqbcc	b	$bbcm_bc$
7	Holyhead ...	1038.1	+4	N'E	4	b	42	65	8	1	-	-	1	1	2500	1038.7	+4	N'E	4	c	40	65	8	4	-	1	2-3	7-8	2500	1	1	bcb	bbc	bwbcc	cbc
	Chester (Sealand)	1038.2	+8	NNW	3	c	40	75	6	5	-	-	7-8	7-8	4000	1038.6	+8	NNW	2	bc	34	85	6	5	-	9	2-3	4-6	4000	1	*	$bbc3_o$	$bc3_o$	bm_ox	bm_xc
8	L'pool (Bidston)	1038.1	+2	N'E	3	bc	39	75	8	7	4	-	4-6	4-6	4000	1038.4	+2	NE	2	bc	38	75	6	7	1	4	Tr.	4-6	4000	0	*	xbbc	bcbbc	bcbb	bbc
9	Harrogate ...	1036.7	+6	NNE	3	c	38	85	7	5	-	-	9+	9+	4000	1037.6	0	-	0	b	34	85	7	-	4	1	0	1	-	1	*	bcc	cb	b	bx
10	Spurn Head ...	1034.2	+8	NE'N	5	q	41	85	7	3	2	-	4-6	7-8	1500	1035.1	+4	N'E	5	c	41	75	7	5	1	-	4-6	9+	2500	0	4	cq_psh	qc	cbcz	bcx3
	Catterick ...	1037.1	+2	N'W	3	c	38	75	8	5	-	-	10	10	4000	1037.7	+6	WNW	1	bc	36	75	7	5	-	1	2-3	4-6	4000	1	*	bccpspsh	Ebc	bcbx	xbbcc
	Tynemouth ...	1037.0	+6	N	4	c	40	75	8	8	-	-	7-8	7-8	2500	1037.6	+4	NW	2	bc	37	75	6	2	-	1	4-6	4-6	2500	1	2	cq	cqbc	bcc	cbc
11	Inchkeith ...	1038.0	0	W	3	bc	39	65	8	5	4	-	4-6	4-6	4000	1035.5	-4	WSW	3	bc	39	75	6	5	4	-	2-3	2-3	1500	0	2	cbc	bc	bcc	bc
	Leuchars ...	1037.3	-6	W	4	bc	43	55	8	-	-	4	0	2-3	-	1034.7	-18	W	4	b	35	75	8	-	4	8	0	1	-	1	*	bc	cbcb	bbcc	cx
12	Renfrew ...	1039.2	-2	W	1	b	43	55	7	-	3	-	0	Tr.	-	1037.2	-6	WSW	3	bc	37	75	8	-	4	1	0	4-6	-	1	*	bz_xy	$bycbc$	$bccm_o$	cm_bc
	Eskdalemuir ...	1038.3	+4	NNW	2	bc	37	55	7	1	-	-	2-3	2-3	4000	1037.4	-2	W'N	2	bc	33	75	8	-	-	2	0	4-6	-	1	*	bcby	bcy	c	c
13A	Tiree	1039.3	0	WSW	2	c	43	55	9	5	-	-	9+	9+	4000	1037.3	-4	SW'W	4	c	43	65	9	5	-	-	9+	9+	4000	0	3	c	c	c	c
13B	Stornoway ...	1034.9	-12	SW	4	c	44	65	8	8	6	-	7-8	9+	1500	1032.2	-6	WSW	3	c	44	75	8	4	8	9	4-6	7-8	1500	1	1	c	c	cpc_o	cpc_id
15	Dalwhinnie ...	*	0	NW	2	bc	39	95	8	4	4	-	2-3	4-6	4000	1033.7	0	SW	2	bc	37	85	8	4	4	-	4-6	4-6	2500	5	*	b	bc	*	c
	Aberdeen ...	1035.6	-14	WSW	3	bc	44	55	8	-	-	3	0	4-6	-	1034.1	-4	WNW	1	b	36	75	7	-	3	-	0	1	-	1	1	bcy	bcyb	bbc	c
	Wick	1034.5	-4	W	3	c	40	85	8	8	7	9	4-6	9+	2500	1032.0	-4	SW	3	c	39	85	8	8	1	-	7-8	10	2500	1	2	c	c	c	c
16	Lerwick ...	1027.5	-12	W'S	5	c	42	75	8	5	2	-	4-6	9	1500	1025.3	-10	SW'S	6	c	45	75	7	9	-	-	5+	9+	1500	0	*	c	c	$c_{ir_o}m$	cic_om
17	Blacksod Point	1041.0	0	W	2	b	44	75	9	1	-	-	1	1	4000	1039.3	-6	S	3	bc	41	85	9	-	5	6	0	4-6	-	0	2	bc	bc	cbc	c
18	Malin Head ...	1039.1	+4	NW	1	c	44	75	9	4	1	-	9	9+	2500	1037.8	-6	N'S	2	bc	41	85	9	4	-	-	2-3	4-6	2500	0	1	bcc	cbc	c	c
	Aldergrove ...	1040.3	+2	-	0	b	42	75	8	7	-	1	1	1	4000	1039.4	-2	-	0	c	39	85	9	5	-	-	9+	9+	2500	1	*	bxbcb	bbccv	c	c
	Donaghadee ...	1039.4	+6	ENE	1	bc	43	65	8	8	3	-	2-3	2-3	2500	1038.6	-4	NW	1	c	40	75	8	8	2	-	4-6	7-8	1500	0	0	bc	bcc	c	c
19	Birr Castle ...	1040.3	+4	N	2	bc	41	75	8	1	-	-	2-3	2-3	2500																*	bc		bcb	bbcx
20	Valentia Obsy.	1040.3	+2	E'N	2	b	43	55	3	-	-	-	0	0	-	1040.4	+6	NE'N	2	bc	38	75	9	1	-	2	1	2-3	4000	1	1	bvy	bvybcv	bbx	bx
	Roches Point...	1039.6	-2	NE	3	bc	43	65	8	8	-	-	2-3	2-3	1500	1039.5	+2	NE	3	bc	40	75	8	5	-	-	2-3	2-3	2500	0	2	bc	bc	bcbx	bbcx

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, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—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 $\frac{1}{10}$ 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
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.

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.*

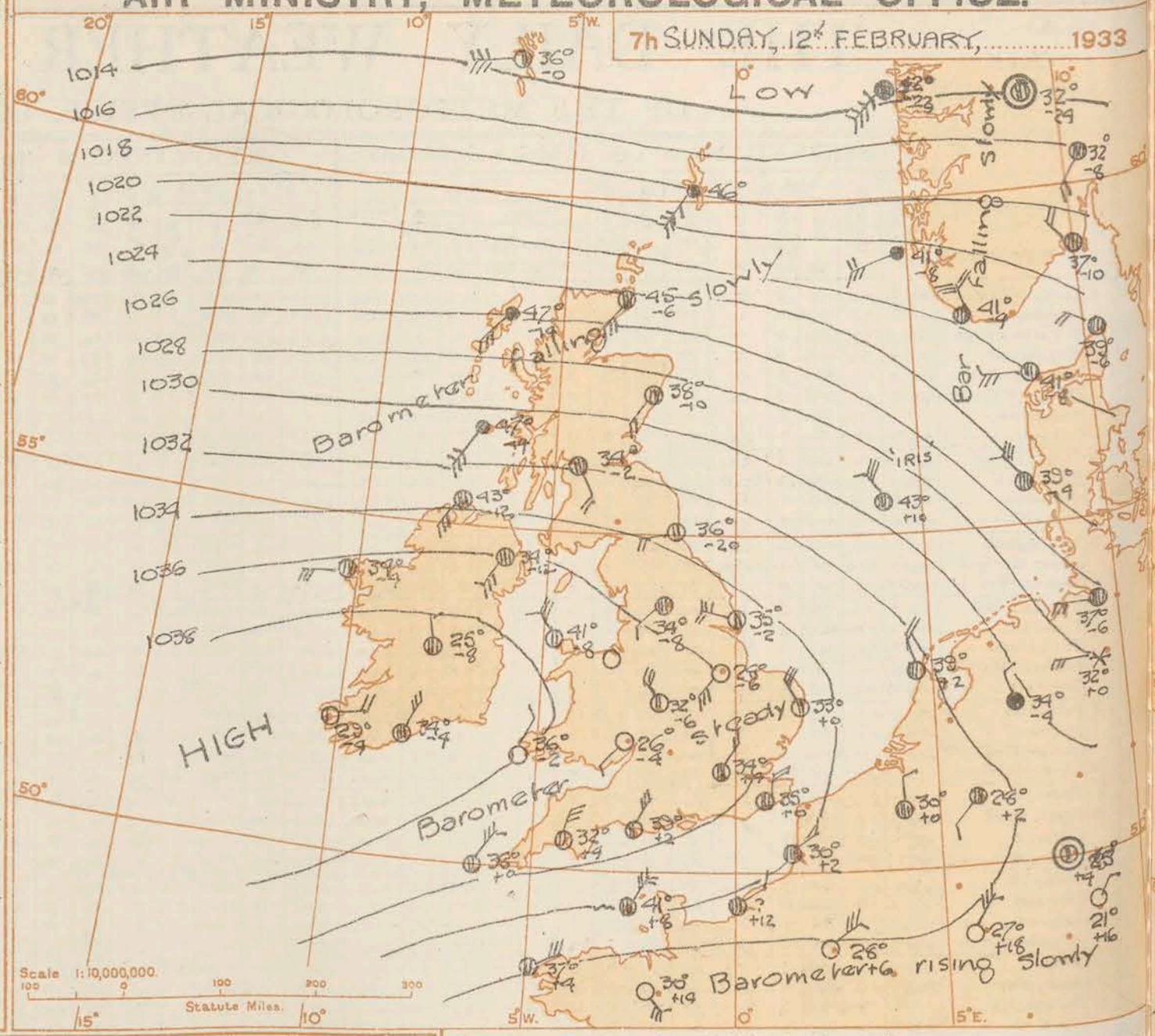
REPORTS from HEALTH RESORTS for 11TH FEBRUARY, 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 10TH to 9h. 11TH	Temperature. Max. 9h.—17h. 11TH	Rainfall. Night. 17h. 10TH to 9h. 11TH	Rainfall. Day. 9h.—17h. 11TH	Sunshine. Sunrise to 17h. 11TH	Sunshine. Sunrise to Sunset. 10TH
1	Tunbridge W.	bbc	bc	32	41	3	-	6·8	2·5
	Bournemouth	b	b	33	43	0·3	-	7·8	3·4
	Ventnor ...	or'xb	bbc3	34	41	3	-	7·5	4·3
	Southsea ...	b	b	34	43	1	-	8·0	2·6
	Bognor Regis	bbc	bcb	35	42	-	-	6·9	3·0
	Littlehampton	bc	bc	33	43	0·2	-	6·8	3·5
	Worthing ...	b	bbcb	34	43	-	-	7·0	3·0
	Brighton ...	b	bbcb	34	43	-	-	6·4	1·5
	Eastbourne†	bbccbc	bch,rbc	33	42	2	Trace	7·5	2·2
	Hastings† ...	bc	bbcb	34	38	7	-	5·8	0·6
	Folkestone ...	bcph	bcph	35	42	9	0·2	4·5	3·2
	Dover... ...	bcephlc	bcphrc	36	44	5	0·4	4·9	2·5
	Deal	bcopb	bchc	36	43	0·3	0·6	3·3	1·2
	Ramsgate ...	bcprsbc	bc	35	44	0·4	Trace	3·9	1·2
	Margate ...	cs,bc	bccph	36	41	1	0·3	3·7	3·1
2	Southend ...	brn,bc	bc	33	42	-	-	6·8	1·1
	Maldon ...	bbc	bbc	34	42	-	-	6·2	1·4
	Clacton-on-Sea	cpsbc	bc	33	43	0·1	-	7·0	3·8
	Dovercourt ...	robcv	bcv	33	42	Trace	-	6·6	3·9
	Lowestoft ...	b	bcphb	34	42	0·5	Trace	7·3	0·4
	Skegness ...	orn,prs	bccm,	35	42	Trace	Trace	4·8	0·0
	Mablethorpe	bce	cov	34	42	0·6	-	4·4	0·0
	Cleethorpes ...	cihbc	bc	35	42	1	Trace	5·3	0·0
3	Leamington S.	bco	oc	33	42	0·5	-	4·7	0·0
4	Cheltenham†	bcfb	bccbc	30	41	-	-	6·2	3·8
5	Bath	bbc	cbcb	34	43	-	-	6·1	4·1
	Weymouth ...	b	bcb	35	43	1	-	6·4	4·6
	Jersey ...	rcbc	bc	40	44	0·4	-	5·0	3·7
	Torquay ...	orpb	bccb	36	42	1	-	5·3	3·9
	Penzance ...	bcb	bc	37	43	0·5	-	7·8	4·3
	St. Ives ...	(bc)	(bc)	38	42	-	-	4·9	3·2
	Bude	bbcb	bbcb	39	42	-	-	7·2	3·4
	Ilfracombe ...	b	b	38	43	1	-	7·3	2·0
6	Aberystwyth	cbcx	bcbbc	34	43	-	-	6·7	0·6
7	Llandudno ...	b	b	38	43	0·1	-	8·0	0·0
	Colwyn Bay...	bcbbc	bcb	37	41	-	-	7·2	0·0
	Rhyl	m,b	bbcb	37	42	0·1	-	7·8	0·0
8	Wallasey ...	bbc	bcb	33	40	-	-	4·4	0·0
	Southport‖ ...	c	cb	33	42	-	-	6·5	0·0
	Blackpool ...	bc	bc	31	42	-	-	7·8	0·0
	Morecambe ...	xbc	b	32	42	-	-	7·0	0·0
9	Ilkley... ...	c	c	32	40	-	-	0·1	0·0
10	Berwick-on-T.	o	bcc	33	42	-	-	3·2	0·0
11	Dunbar ...	bc	bc	35	41	Trace	-	3·9	0·0
12	Troon... ...	bcb	b	30	43	-	-	7·5	0·0
	Douglas ...	xbc	bc	33	42	-	-	8·4	0·0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h SUNDAY, 12TH FEBRUARY, 1933



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 12th Feb. 1933
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Light westerly winds; fine; local morning mist or fog; moderate day temperature; slight frost inland at night.
5. S.W. England 6. South Wales	Light variable winds; fine; local morning mist or fog; moderate day temperature; slight frost inland at night.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Light to moderate westerly winds; fair; local morning mist; moderate temperature.
12. S.W. Scotland & Isle of Man	Moderate west to southwest winds; cloudy; moderate temperature.
13. A. W. Scotland. B. N.W. Scotland. 14. Mid-Scotland	Moderate to fresh west to southwest winds; cloudy, with occasional slight rain or drizzle; mild.
15. N.E. Scotland	Moderate to fresh west to southwest winds; cloudy; mild.
16. Orkneys and Shetlands.	Strong west to southwest winds, perhaps gale at exposed places; cloudy, with occasional slight rain or drizzle; mild.
17. N.W. Ireland 18. N.E. Ireland	As 13A - 14.
19. S.E. Ireland 20. S.W. Ireland	As 5 - 6.

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

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◎ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— ○ Clear sky. ◔ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 6/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✳ Snow. ✳ Sleet ▲ Hail ≡ Fog ≡ Mist. T Thunder. K Thunderstorm.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

The anticyclone over Southern Ireland is tending to give way somewhat and secondaries to an intense low-pressure system northeast of Iceland are moving eastwards across Northern Scotland. Weather will be unsettled in the North but fair in the South.

FURTHER OUTLOOK.

Mainly fair in the South; unsettled in the North.

Time of issue of Gale Warning.

V South Cone hoisted at 0830 G.M.T. in district 16.

Forecasts issued at 1200 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 12TH February, 1933.

No. 26015

OBSERVATIONS at 1 hr. G.M.T. 12TH FEBRUARY

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	1036.0	+4	N'E	2	c	37	65	5	4	–	–	9+	9+	1500
	S. Farnborough	287	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1035.3	+2	NW	3	bc	36	75	7	1	–	–	2-3	2-3	2500
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1035.4	+2	NE	3	c	35	85	8	5	–	–	9+	9+	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1035.1	+4	WNW	2	c	36	95	7	4	–	–	7-8	7-8	2500
	Cranwell	240	1037.2	0	WNW	2	bc	32	95	7	–	3	–	0	2-3	–
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1036.4	+4	NE	4	b	37	85	8	–	–	–	0	0	–
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	222	1036.9	+14	NNE	3	bc	35	75	7	8	–	–	4-6	4-6	4000
	Scilly (St. Mary's)	163	1037.5	+12	ENE	5	bc	40	75	6	2	–	–	2-3	2-3	4000
	Guernsey	175	1033.6	+16	NE	5	bc	40	85	7	7	–	–	4-6	4-6	2500
6	Pembroke	142	1040.3	+4	NE	1	b	34	75	7	–	–	–	0	0	–
7	Holyhead	26	1038.3	-6	–	0	c	37	85	7	5	–	–	10	10	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1035.0	0	NW	5	bc	36	85	6	5	3	–	2-3	4-6	800
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	67	1034.7	-2	W	2	bc	36	75	6	2	6	–	4-6	4-6	2500
11	Inchkeith	190	1033.5	-12	SW	4	c	39	75	7	5	4	2	4-6	7-8	1500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1028.8	-16	WSW	4	pc	45	95	7	9	6	–	7-8	10	800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1027.9	-14	W	3	c	42	95	8	5	7	–	7-8	10	2500
16	Lerwick	54	1021.4	-10	WSW	6	bc	45	95	5	5	2	–	4-6	10	800
17	Blacksod Point	18	1037.9	-2	WSW	2	c	43	95	9	–	5	–	0	7-8	–
18	Malin Head	52	1036.1	-12	WSW	5	c	42	95	9	4	7	–	9	10	2500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1040.4	+10	NNE	2	b	36	95	8	–	–	–	0	0	–
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 12TH 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)
1036.9	+4	N	1	bc	32	85	6	5	–	–	2-3	2-3	4000	1	*
1036.2	+4	N'E	2	c	34	75	5	4	3	–	9	9+	4000	1	*
1037.3	+6	NW	1	b	26	95	7	5	–	–	Tr	Tr	5700	4	*
1037.2	+4	NW'N	2	b	27	95	6	5	–	–	Tr	Tr	5700	4	*
1037.2	+6	N	1	b	27	95	6	–	–	–	0	0	–	4	*
1036.8	+4	N'W	3	c	33	75	7	5	–	–	7-8	7-8	2500	0	1
*	*	NNW	3	c	*	*	7	4	8	*	4-6	7-8	1500	*	2
1038.3	0	N	2	c	35	85	8	5	3	–	7-8	9	4000	1	*
1036.0	0	NW	2	c	33	85	7	5	3	–	4-6	7-8	7200	0	*
1035.6	0	NNW	3	c	35	75	8	5	–	–	7-8	7-8	2500	0	1
1035.0	0	NNW	3	bc	33	95	7	4	2	–	2-3	4-6	2500	0	2
1036.0	-6	WSW	3	b	28	85	5	–	–	–	0	0	–	4	*
1036.5	-6	NNW	3	b	32	85	6	5	–	–	1	1	2500	1	*
1036.9	-2	W	1	b	26	95	4	–	–	–	0	0	–	4	*
1036.9	-4	WSW	1	b	26	95	6	5	–	–	Tr	Tr	5700	4	*
1036.4	+2	NNE	3	bc	39	95	8	4	–	–	2-3	2-3	2500	0	3
1037.2	0	NE'N	3	b	34	75	7	–	–	–	0	0	–	4	1
1037.1	+4	NNE	3	bc	32	75	8	7	–	–	2-3	2-3	4000	4	2
1036.7	0	NE	4	bc	38	85	8	–	–	–	4-6	4-6	4000	0	2
1034.4	+8	NNE	5	c	41	65	8	8	–	–	10	10	2500	0	4
1037.7	-2	NNE	1	bc	36	65	8	1	4	–	2-3	4-6	4000	0	1
1037.2	-8	NNW	4	bc	41	75	8	1	–	–	2-3	2-3	1500	1	1
1036.9	-6	W'S	2	c	37	85	8	5	–	–	9	9	2500	4	*
1036.5	-2	WNW	4	bc	37	85	8	7	–	–	4-6	4-6	4000	0	*
1034.3	-6	W	1	b	32	95	8	–	4	–	0	Tr	–	4	*
1034.0	-2	W-NW	5	bc	35	95	6	–	2	–	0	2-3	–	5	3
1034.7	-8	WSW	1	c	34	95	8	4	4	1	7-8	7-8	4000	4	*
1032.4	-20	W	2	bc	36	85	7	2	–	–	2-3	2-3	2500	1	2
1031.3	-8	WSW	4	c	40	85	8	5	5	9	4-6	7-8	1500	0	2
1030.1	-10	W	3	c	37	85	8	–	4	6	0	9	–	1	*
1032.8	-10	W	3	bc	41	95	7	5	4	1	2-3	4-6	4000	1	*
1033.5	-2	SSE	2	c	34	95	7	5	1	1	4-6	7-8	2500	1	*
1031.5	-14	SW	6	bc	47	85	7	5	–	–	9+	9+	1500	1	3
1026.4	-14	WSW	3	bc	47	95	7	8	2	–	2-3	10	1500	1	2
1031.4	-18	W	2	c	41	95	7	4	2	–	7-8	10	1500	0	*
1028.6	-10	SW	2	c	38	75	7	5	7	–	2-3	7-8	4000	4	1
1026.1	-6	WSW	3	c	45	85	8	8	1	–	7-8	10	2500	1	2
1018.3	-12	SW	7	bc	46	95	4	5	1	–	4-6	10	450	1	*
1036.3	-4	W	3	c	44	85	8	5	–	–	9	9	220	0	3
1033.6	-12	SW	3	c	43	95	7	5	2	–	9	10	1500	0	2
1036.6	-12	SW'S	4	c	34	95	8	5	3	–	4-6	9+	4000	1	*
1035.6	-8	WSW	2	c	37	85	7	5	–	–	9	9	1500	0	1
1038.1	-8	N	1	bc	25	95	8	5	–	–	2-3	2-3	2500	4	*
1039.3	-4	E'S	2	b	29	95	8	5	–	–	1	1	4000	1	1
1039.5	-4	NE	3	bc	34	85	8	3	5	–	2-3	4-6	2500	0	3

PAST 24 HOURS.

District	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 11TH Hrs. (36)
1	42	31	20	–	–	6.5
	42	33	26	–	–	4.8
	42	26	17	–	–	6.3
	41	26	19	–	–	7.3
	40	25	21	–	–	6.1
	42	31	26	–	–	7.8
	43	32	*	1	–	*
	41	34	31	0.2	0.2	5.1
2	43	29	25	–	–	6.7
	42	32	27	0.1	–	6.3
	42	31	27	1	–	7.4
	42	27	24	0.1	–	3.2
3	40	29	16	–	–	5.1
	40	25	15	Tr.	–	*
4	40	26	15	–	–	5.5
5	43	34	*	–	–	*
	41	32	28	–	–	7.3
	42	32	*	–	–	*
	43	36	*	–	–	4.0
	42	40	35	–	–	4.4
6	42	32	*	–	–	7.6
7	43	34	23	–	–	8.7
	42	25	16	–	–	3.0
8	39	35	30	–	–	4.5
9	38	29	23	–	–	1.0
10	43	33	*	0.1	–	4.6
	39	30	23	0.1	–	0.1
	42	33	28	–	–	*
11	41	37	34	–	–	6.2
	44	33	27	–	–	6.8
12	44	36	25	–	–	5.5
	39	32	26	–	–	4.4
13A	38	29	23	–	–	1.0
13B	45	33	*	0.1	–	5.3
15	39	35	28	–	–	5.3
	46	33	25	–	–	3.4
	42	38	*	–	–	*
16	45	44	*	0.5	1	0.0
17	45	40	*	–	–	*
18	45	39	*	–	–	2.3
	44	31	24	Tr.	–	4.3
	44	32	*	–	–	*
19	43	24	13	–	–	4.4
20	43	28	24	–	–	8.4
	45	33	*	–	–	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 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	bbc	bc	c3bcbm5	42	31	20	–	–	6.5	*	*	4
CROYDON	217	bmbccm6	bccbcy	b3cxc3	42	33	26	–	–	4.8	*	*	4
GREENWICH (Royal Observatory)	149	c5b6c	c4b	bcxbf	43	31	24	–	Tr	5.1	54	74	2
CITY (Bunhill Row)	—	c5b6c	*	*	*	*	*	*	*	4.9	*	*	*
WESTMINSTER (St. James' Park)	27	*	*	*	46	33	27	–	–	4.5	45	77	*
†REGENTS PK. (Botanic Gardens)	168	*	*	*	43	29	19	–	–	5.0?	69	84	*
CAMDEN SQUARE	110			*	*	*	*			*	*	*	*
KENSINGTON	80	bc	bc	*	42	32	25	–	–	0.0	At 18h. 78	*	*
HAMPSTEAD OBSERVATORY	459	bc	bc	cck	40	29	18	–	–	6.8	61	80	*

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

SOUTH KENSINGTON.

Max.	Time.	Min.	Time.
1.3	21h 11½	Nil	2h-7h 12th

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
0.4	20h 11h	0.1	3h 12h

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 11TH FEBRUARY. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 12TH FEBRUARY. 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	1028.2	NE	7	c	37	1032.6	NE	4	b	28	39	28	Tr	–
BRUSSELS	1030.7	NE	5	b	34	1033.5	N	1	0	30	39	27	–	–
BERLIN	1026.5	NNW	3	b	34	1026.7	W'N	2	c	27	39	27	–	–
ZÜRICH	1020.6	N	3	0	36	1026.8	ENE	2	bc	27	39	27	1	–
ROME	1010.1	SSE	5	0	54	1009.0	S'W	4	c	54	63	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	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.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

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

‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 13th February 1933.

No. 26.016

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

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)	°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)...	1035·2	-10	N	3	bc	42	65	6	7	-	-	4-6	4-6	4000
	Croydon ...	1035·0	-14	NNE	2	b	41	65	4	6	-	-	0	0	-
	S. Farnborough	1035·1	-16	NNE	-	b	43	65	6	-	-	-	-	-	2500
	Winchester ...	1035·1	-18	NNE	3	b	42	65	6	-	-	-	-	-	2500
	Boscombe Down	1035·3	-14	NNE	3	b	39	75	6	-	-	-	Tr.	Tr.	4000
	Calshot, S'thmtn	1035·5	-14	NE	2	b	42	65	6	7	-	-	-	-	4000
	Dungeness ...	*	*	NE	2	bc	*	*	7	-	8	*	2-3	4-6	1500
	Lympne ...	1034·8	-10	NNE	-	b	41	55	7	-	-	-	Tr.	Tr.	4000
2	Shoeburyness	1034·7	-10	NE	2	b	43	65	6	1	4	-	1	1	4000
	Felixstowe ...	1034·5	-10	NNE	2	bc	42	65	6	8	-	-	-	2-3	4000
	Gorleston ...	1033·5	-8	NW	2	c	43	85	6	-	-	-	7-8	7-8	2500
	Cranwell ...	1034·0	-12	NNE	4	bc	43	65	6	-	3	-	0	2-3	-
3	Birmingham ...	1035·4	-8	NW	4	b	42	65	6	-	-	-	Tr.	Tr.	2500
	Upper Heyford	1035·3	-12	SW	-	b	41	75	6	-	-	-	0	0	-
4	Ross-on-Wye ...	1035·3	-6	W	2	b	43	65	6	-	-	-	Tr.	Tr.	4000
5	Portland Bill...	1035·5	-6	NE	3	b	42	85	8	-	-	-	0	0	-
	Plymouth ...	036·6	-8	N	3	b	42	55	7	-	-	-	0	0	-
	The Lizard ...	036·9	-4	NNE	3	bc	42	65	7	7	-	-	2-3	2-3	5700
	Scilly (St. Mary's)	037·4	0	NE	4	bc	43	85	7	6	-	-	2-3	4-6	4000
	Guernsey ...	034·8	-4	NE	3	bc	41	65	8	8	-	-	4-6	4-6	2500
6	Pembroke ...	037·7	-6	NNE	1	bc	43	65	8	7	6	-	2-3	4-6	4000
7	Holyhead ...	036·8	-6	NNW	4	c	45	75	8	5	4	-	7-8	7-8	4000
	Chester (Sealand)	036·1	-6	NNW	4	bc	44	65	8	7	4	3	4-6	4-6	4000
8	L'pool (Bidston)	035·5	-6	NNW	5	c	42	75	9	7	6	-	4-6	7-8	2500
9	Harrogate ...	034·2	0	W	-	c	42	75	8	8	-	-	9+	9+	4000
10	Spurn Head ...	032·1	-2	NW	5	c	43	85	8	5	3	8	4-6	7-8	800
	Catterick ...	033·5	-8	NNW	3	bc	45	65	8	5	-	-	4-6	4-6	2500
	Tynemouth ...	031·9	-6	W	3	bc	45	75	6	2	-	-	2-3	4-6	2500
11	Inchkeith ...	030·6	-6	WSW	4	c	44	85	7	5	-	-	10	10	1500
	Leuchars ...	029·1	-8	W	3	c	48	75	8	7	3	4	4-6	9	4000
12	Renfrew ...	031·5	-6	W	4	c	46	85	6	5	7	-	7-8	9+	1500
	Eskdalemuir ...	032·8	-6	SSW	3	d. d.	38	95	6	5	-	-	10	10	800
13A	Tiree	030·3	-2	SW	5	dd	48	95	5	5	-	-	10	10	1500
13B	Stornoway ...	026·7	+2	WNW	4	c/pr	44	85	7	4	6	-	4-6	7-8	1500
15	Dalwhinnie ...	029·5	-4	W	3	c/r.	44	95	7	4	-	-	4-6	10	800
	Aberdeen ...	026·6	-13	WSW	3	bc	52	65	7	7	5	-	1	4-6	2500
	Wick	024·3	-2	W	3	c	47	95	8	8	1	-	7-8	9	2500
16	Lerwick ...	013·1	-3	W'N	6	PHR	43	85	7	8	-	-	9+	9+	1500
17	Blacksod Point	036·0	-2	W	3	c	49	85	8	-	5	-	0	7-8	-
18	Malin Head ...	032·7	0	W'S	4	c	42	95	7	4	7	1	4-6	7-8	1500
	Aldergrove ...	035·6	-4	SW	4	c	41	85	8	5	-	-	9+	9+	4000
	Donaghadee ...	034·8	-8	W	2	c	43	75	7	5	-	-	7-8	7-8	1500
19	Birr Castle ...	033·5	0	S	1	c	40	85	8	5	-	-	9+	9+	2500
20	Valentia Obsy.	033·4	-2	E	1	bc	46	75	8	5	-	1	2-3	2-3	4000
	Roches Point...	033·2	-4	NE	2	bc	44	65	8	5	-	-	2-3	2-3	1500

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

Dist.	Stations.	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)...	1035·0	0	N	1	c	39	75	4	5	-	-	7-8	7-8	2500	0	*
	Croydon ...	1034·9	+2	-	0	c	37	85	3	5	-	-	9+	9+	4000	-	*
	S. Farnborough	1034·9	+2	NNE	-	c	38	75	5	-	-	-	0	0	-	-	*
	Winchester ...	1035·1	+2	NNE	-	c	37	85	6	5	-	-	9+	9+	4000	-	*
	Boscombe Down	1035·3	+2	N	-	bc	36	85	5	5	-	-	2-3	2-3	5700	-	*
	Calshot, S'thmtn	1034·8	0	N	2	c	39	85	6	5	7	-	7-8	7-8	4000	0	0
	Dungeness ...	*	*	N	-	bc	*	*	7	7	-	*	2-3	4-6	1500	*	0
	Lympne ...	1034·5	0	-	0	b	36	75	6	5	-	-	1	1	4000	-	*
2	Shoeburyness	1034·4	0	WSW	1	c	41	85	6	5	-	-	10	10	4000	0	*
	Felixstowe ...	1033·9	0	N	-	c	42	65	7	5	-	-	10	10	2500	0	0
	Gorleston ...	1033·2	+2	-	0	c	42	75	5	8	-	-	10	10	2500	0	2
	Cranwell ...	1033·8	-2	N	2	bc	37	85	6	-	-	5	0	2-3	-	-	*
3	Birmingham ...	1035·0	0	NNE	3	c	40	75	5	5	3	-	4-6	7-8	2500	-	*
	Upper Heyford	1035·5	+2	NNE	2	c	37	85	6	5	3	-	4-6	9	2500	-	*
4	Ross-on-Wye ...	1034·5	0	N	-	c	40	65	9	5	-	-	Tr.	Tr.	4000	-	*
5	Portland Bill...	1035·2	0	NNE	2	bc	40	85	7	4	-	-	4-6	4-6	1500	0	2
	Plymouth ...	1035·4	0	-	2	c	42	75	7	5	3	-	Tr.	7-8	4000	-	-
	The Lizard ...	1035·7	0	NNE	2	c	39	85	7	7	7	8	4-6	10	4000	0	-
	Scilly (St. Mary's)	1036·0	0	NE	4	bc	42	85	7	4	-	9	2-3	4-6	4000	0	2
	Guernsey ...	1034·0	+4	NNE	2	bc	39	75	8	7	-	-	4-6	4-6	2500	0	3
6	Pembroke ...	1035·9	-8	NNE	2	bc	38	85	8	7	-	-	2-3	4-6	4000	0	1
7	Holyhead ...	1035·1	-6	N	4	c	44	75	8	5	7	-	9+	9+	2500	0	2
	Chester (Sealand)	1035·0	-4	NNE	2	bc	41	75	7	5	4	9	4-6	4-6	4000	-	*
8	L'pool (Bidston)	1034·3	-2	NNE	4	c	41	85	7	8	-	9	4-6	7-8	2500	0	*
9	Harrogate ...	1033·0	-6	SW	3	bc	39	95	7	5	-	4	1	4-6	2500	0	*
10	Spurn Head ...	1031·8	0	N	4	bc/r	42	95	7	5	3	-	2-3	4-6	800	0	2
	Catterick ...	1031·8	-8	S	1	bc	39	95	7	5	-	9	2-3	2-3	2500	0	*
	Tynemouth ...	1029·9	-4	N	3	bc	43	85	7	4	-	-	4-6	4-6	4000	0	2
11	Inchkeith ...	1028·5	-4	WSW	5	cr.	45	95	7	9	-	-	9+	9+	1500	0	3
	Leuchars ...	1027·8	-2	SW	3	pr.	44	95	7	9	4	2	4-6	9	1500	0	*
12	Renfrew ...	1030·4	-6	WNW	3	bc/d	44	85	8	8	4	-	2-3	2-3	1500	0	*
	Eskdalemuir ...	1031·1	-2	W'S	3	c/d	43	85	6	5	-	-	10	10	800	0	*
13A	Tiree	1032·4	+16	W'N	5	pr	44	75	7	8	-	X-	9	9	1500	0	4
13B	Stornoway ...	1028·2	+12	NW	5	bc/pr	40	65	8	8	6	-	4-6	4-6	1500	0	2
15	Dalwhinnie ...	×	+18	NW	2	c	38	95	7	4	2	-	4-6	10	1500	0	*
	Aberdeen ...	1027·9	+20	WNW	4	bc	47	65	7	8	3	-	4-6	4-6	2500	0	1
	Wick	1025·9	+16	WNW	4	c	39	95	7	8	1	-	4-6	7-8	2500	0	2
16	Lerwick ...	1017·4	0	W'N	7	c/PHR	38	75	7	9	-	-	7-8	7-8	1500	0	*
17	Blacksod Point	1036·4	+4	W'N	2	c	46	95	8	5	7	9	4-6	7-8	220	0	3
18	Malin Head ...	1033·2	+8	NNW	4	c/pr.	46	95	7	5	7	-	9	9+	1500	0	2
	Aldergrove ...	1034·2	-6	SW	4	c/r.	44	85	7	5	-	-	9+	9+	1500	0	*
	Donaghadee ...	1033·3	-4	W	2	c	45	85	7	5	8	-	7-8	7-8	1500	0	1
19	Birr Castle ...	1036·2	-8	S	1	c	41	85	8	5	-	-	10	10	2500	0	*
20	Valentia Obsy.	1033·4	-2	N	1	c	45	75	8	5	-	-	9+	9+	4000	1	1
	Roches Point...	1037·4	-6	NE	3	bc	45	65	8	5	-	-	2-3	2-3	1500	0	2

PAST 24 HOURS.

Dist.	Stations.	Weathers. 7h.–13h. 12th. (37)	13h.–18h. 12th. (38)	18h. 12th. to 1h. 13th. (39)	1h.–7h. 13th. (40)
1	London (Kew)...	bmxbc3.	bc3.m	bcmcm.	cmmcm.
	Croydon ...	cbm3	bmcff	c/m	cmbcm.
	S. Farnborough	b3.	bc3.b	b,c	c
	Winchester ...	bbcbm.	b3.bcm.	cbm.c	c
	Boscombe Down	bcbm.	b3.	bbcc	cm.
	Calshot, S'thmtn	cxbm.	bbcm.	bccf	cm.
	Dungeness ...	bc	bc	*	f
	Lympne ...	cbf	bm.	bccm.	cm.f
2	Shoeburyness	bcb3.	b3.cm	cm.	cm.
	Felixstowe ...	bcb	c	c	cm.
	Gorleston ...	bcm.	cm.m.	cm.m.	bcccdm.
	Cranwell ...	bxm.	bcbm.	bbcm.	bcm
3	Birmingham ...	bm	bc	bc	bcb
	Upper Heyford	bm.	bbcm.	cm.	cm.
4	Ross-on-Wye ...	b	b	bcc	c
5	Portland Bill...	bc	bc3.	bc	c
	Plymouth ...	bxmb	b/c	cbcx	bcxc
	The Lizard ...	bc	bcc	bcb	b,c
	Scilly (St. Mary's)	bccbc	bccbc	bc	bcc
	Guernsey ...	cbc	bc	bcv	bcwc
6	Pembroke ...	bcbbc	bc	bbcc	c
7	Holyhead ...	bccbc	bcc	crccc	c
	Chester (Sealand)	bc	bcc	prbc	bcpr.
8	L'pool (Bidston)	bccv	cbcc	bcovd.	cbc
9	Harrogate ...	bbcc	cbc	bcb	bx
10	Spurn Head ...	bcc	bcf	fbccx	bcw
	Catterick ...	xcbc	bccbs	sw bx	bx
	Tynemouth ...	bc	bc	hc	bc
11	Inchkeith ...	c	c	bcv	bcb
	Leuchars ...	c	cbccpr.	cbqp	bqpv
12	Renfrew ...	bccpr.m	cvdm.	bccbc	bccbc
	Eskdalemuir ...	od. d.	od. fd	od. cpr.b	bx
13A	Tiree	cvd.	cvdc		
13B	Stornoway ...	cvd. pr.q	cpr bcq	bcphr	cwhrg
15	Dalwhinnie ...	cr	cr		c
	Aberdeen ...	cbc	bccpr. bc	bcb	b
	Wick	cpr.c	cpr.c	pr.bc	bc
16	Lerwick ...	c PHR.	c PHR.	cPHR.	c PHR.
17	Blacksod Point	cbc	cr.bc	bc	bcc
18	Malin Head ...	c3	cpr.3	bcc	c
	Aldergrove ...	c	bccr.	cpr.bc	bc
	Donaghadee ...	c	c	cbc	bc
19	Birr Castle ...	bcc	c	cor.r.	or.cr.x
20	Valentia Obsy.	bc.bbc	bcc	coc	cpr.c
	Roches Point...	bc	bc	bc.bw	b.b.w

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, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—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.
"t r" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
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.

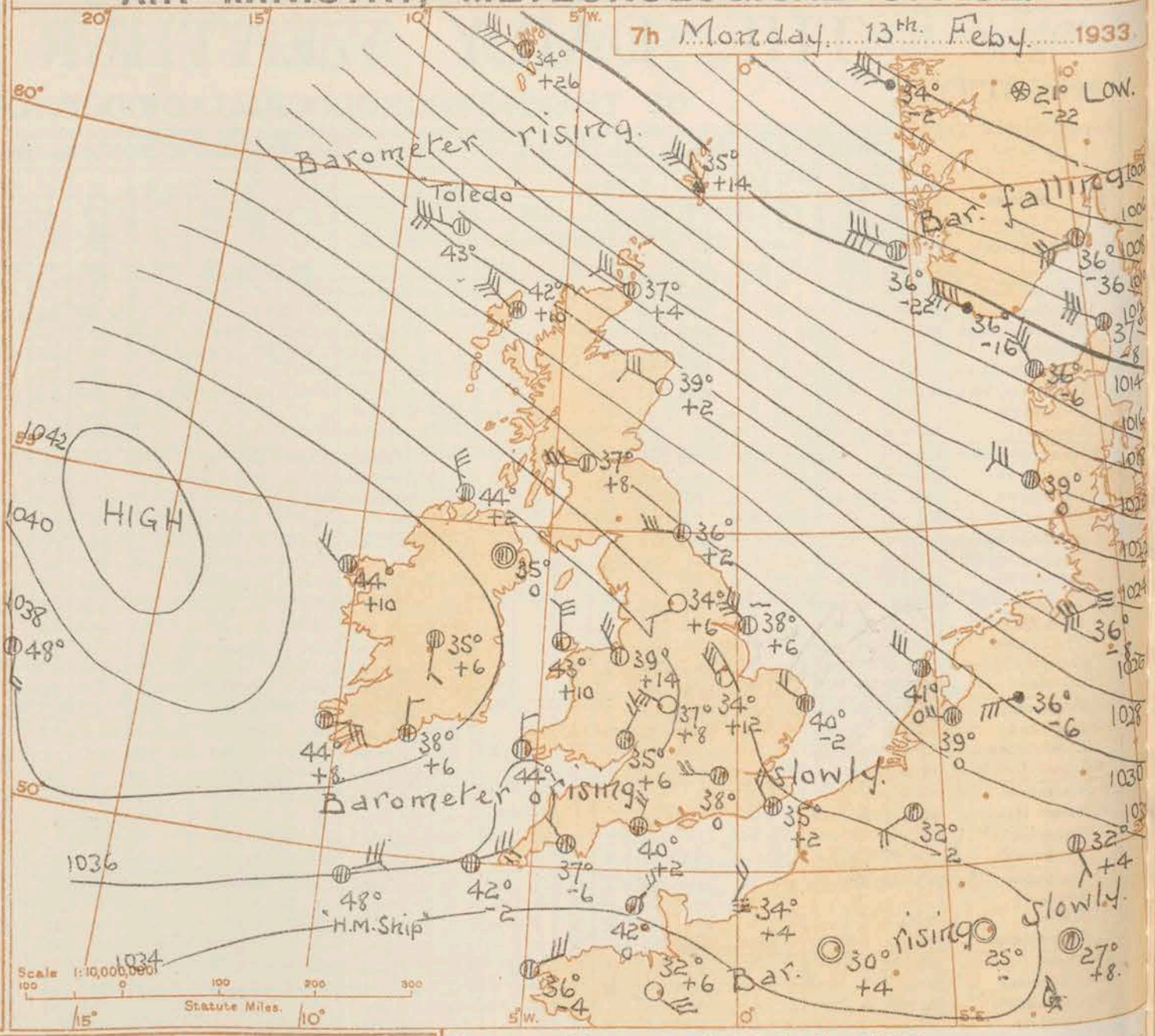
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for 12th February 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 11th to 9h. 12th.	Temperature. Max. 9h.—17h. 12th.	Rainfall. Night 17h. 11th to 9h. 12th.	Rainfall. Day. 9h.—17h. 12th.	Sunshine. Sunrise to 17h. 12th.	Sunshine. Sunrise to Sunset. 11th.
1	Tunbridge W.	b	bco	28	43	-	-	7·2	6·8
	Bournemouth	b	b	27	45	-	-	8·6	7·3
	Ventnor ...	xb3	b3	32	45	-	-	7·4	7·5
	Southsea ...	b	bm	32	45	-	-	7·6	8·0
	Bognor Regis	b	b	34	48	-	-	7·5	6·9
	Littlehampton	bcb	bbc	30	46	-	-	7·6	6·8
	Worthing ...	b	b	32	44	-	-	7·4	7·0
	Brighton ...	b	b	32	43	0·3	-	6·9	6·4
	Eastbourne†	b	b	33	44	Trace	-	8·0	7·5
	Hastings† ...	b	b	33	39	Trace	-	7·8	5·8
	Folkestone ...	bccb	b	35	44	0·2	-	6·8	4·5
	Dover... ...	b	b	36	45	0·1	-	7·6	4·9
	Deal	bcb	b	36	43	-	-	7·2	3·9
	Ramsgate ...	b	bm	37	44	-	-	7·2	3·9
	Margate ...	b	b	37	43	-	-	7·5	3·7
2	Southend ...	bf	bbcof	32	43	Trace	-	6·4	6·8
	Maldon ...	b	bbcc	33	43	-	-	5·6	6·2
	Clacton-on-Sea	bc	bcc	33	44	-	-	6·2	7·6
	Dovercourt ...	xbbc	om	34	46	-	-	6·6	6·6
	Lowestoft ...	bbc3	cm	31	43	-	-	5·2	7·3
	Skegness ...	obcm	bcm	30	45	Trace	-	4·6	4·8
	Mablethorpe	cbc	bc	27	45	-	-	5·4	4·4
	Cleethorpes...	b	b	31	47	-	-	7·2	5·3
3	Leamington S.	b	bbc	27	45	-	-	7·0	4·7
4	Cheltenham†	bxmb	bm	35	44	-	-	6·1	6·2
5	Bath	b	b	27	44	-	-	6·8	6·1
	Weymouth ...	b	b	28	46	-	-	8·6	6·4
	Jersey ...	cbc	cbc	38	44	0·4	-	3·5	5·0
	Torquay ...	bxm	bbo3	30	44	-	-	8·0	5·3
	Penzance ...	b	bc	32	45	-	-	7·6	7·8
	St. Ives ...	b	b	36	44	-	-	6·1	4·9
	Bude	xbbc	bc	27	44	-	-	6·5	7·2
	Ilfracombe ...	b	b	32	45	-	-	8·8	7·3
6	Aberystwyth	bcx	bcbbc	29	42	-	-	8·1	6·7
7	Llandudno ...	bccbc	bcc	31	45	-	-	4·2	6·0
	Colwyn Bay...	bcb	bcobc	31	45	-	-	4·0	7·2
	Rhyl	bbcc	cbcc	27	44	-	-	3·8	7·8
8	Wallasey ...	bbc	bbc	38	45	-	-	2·7	4·4
	Southport‖ ...	c	c	30	43	-	-	2·3	6·5
	Blackpool ...	c	c	31	45	-	-	1·1	7·8
	Morecambe ...	c	cbbcc	29	43	-	-	0·2	7·0
9	Ilkley... ...	b	b	28	44	-	-	?	2·1
10	Berwick-on-T.	bcc	bc	32	48	-	-	5·0	3·2
11	Dunbar ...	bc	bc	35	47	-	-	2·9	3·9
12	Troon... ...	obcoc	c	34	46	-	(-)	0·8	7·5
	Douglas ...	cdbcc	b	32	44	-	-	0·5	8·4

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



Barometer. Isobars are drawn for intervals of two millibars.
Wind. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— Temperature is given in degrees F.
Weather Symbols :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 5/10 to 9/10 clouded. Overcast sky. Rain falling. Snow Sleet Hail
Fog Mist. Thunder. Thunderstorm.
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. 13th Feb., 1933.
1. S.E. England 2. E. England...	Wind northerly or variable, light or moderate; mainly fair; local mist or fog at night; normal day temperature; ground frost at night.
3. E. Midlands 4. W. Midlands	Wind northwest or north, light or moderate; fair; local mist or fog at night; normal day temperature; ground frost at night.
5. S.W. England	Wind northeasterly, light or moderate; fair; rather cool.
6. South Wales	Wind northeasterly or variable, light; mainly fair; normal temperature; perhaps local frost 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	Wind northwest or north, light or moderate; variable cloud; perhaps showers; normal or rather low day temperature; local frost at night.
13. A. W. Scotld. / B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Wind northwest, fresh or strong, perhaps gale in squalls on coast; variable cloud; showers of rain, hail or sleet; rather cold; local frost at night.
17. N.W. Ireland 18. N.E. Ireland	Wind northwest or variable, light or moderate; cloudy; some bright intervals; normal temperature.
19. S.E. Ireland 20. S.W. Ireland	Wind variable or easterly, light or moderate; mainly fair; rather cool.

GENERAL INFERENCE.

A large anticyclone centred off Northwest Ireland will probably spread eastwards. Apart from showers in the North weather will be fair. Some fog is probable later.

FURTHER OUTLOOK.

Showers in the North; otherwise mainly fair.

Times of Issued of Gale Warnings.

South Cone hoisted at 0830 on 12th in 16.
North Cone hoisted at 0250 on 13th in 13B & 15.

Forecasts issued at 1015 G.M.T.

G. C. SIMPSON, 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.

Morning of
MONDAY
13th. FEBRUARY
1933

Clarke'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 the wind. Number of feathers indicate Beaufort Force.
⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 13th February 1933.

No. 26.016

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

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	1035.0	+10	-	0	c	38	85	4	4	-	-	9+	9+	4000
	S. Farnborough	287	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1034.9	+2	NWN	2	c/f	40	85	7	5	-	-	10	10	1500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1034.3	+6	NWN	2	c	36	85	5	5	-	-	10	10	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1032.8	+2	W	2	bc	35	85	6	5	-	1	2-3	4-6	800
	Cranwell ...	240	1033.6	+10	W	4	bc	35	95	4	-	3	2	0	4-6	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1035.4	+2	NE	3	c	38	95	7	4	8	-	7-8	9+	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1035.7	0	NEN	3	b	36	85	6	-	-	-	0	0	-
	Scilly (St. Mary's)	163	1036.0	-2	NE	4	bc	41	85	8	7	-	-	4-6	4-6	4000
	Guernsey ...	175	1035.8	+4	NE	1	bc	40	85	7	7	-	-	2-3	2-3	2500
6	Pembroke ...	142	1037.1	+4	-	0	c	41	85	8	4	2	-	4-6	9+	4000
7	Holyhead ...	26	1036.3	+12	N	4	c/o	44	85	8	5	-	-	10	10	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1031.6	0	NNW	5	c	40	95	5	5	7	-	4-6	7-8	800
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1032.0	+20	WNW	2	bc	43	85	7	2	-	-	2-3	2-3	2500
11	Inchkeith ...	190	1031.4	+12	W	4	bc	39	65	8	4	6	-	4-6	4-6	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1029.3	+2	NW	6	c/ph(c)	37	85	7	3	6	1	4-6	9	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1028.4	-2	WNW	4	bc	35	95	8	8	1	-	4-6	4-6	2500
16	Lerwick ...	54	1015.0	-12	WN	8	c/ph(c)	38	75	7	8	-	-	7-8	7-8	1500
17	Blacksod Point	18	1038.7	+4	W	2	b	40	95	8	2	-	-	1	1	4000
18	Malin Head ...	52	1035.7	+8	NNW	4	c	44	75	7	6	2	-	9	9+	1500
	Aldergrove ...	298	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1039.0	0	W	1	c	46	95	7	5	-	-	10	10	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)...	1035.1	+2	WSW	1	c	39	85	5	5	2	-	4-6	10	2500	1	*
	Croydon ...	1034.8	0	W	2	c	38	85	5	5	-	-	7-8	7-8	1500	1	*
	S. Farnborough	1035.0	+4	NW	1	c	39	95	6	5	-	-	10	10	1500	1	*
	Winchester ...	1035.2	+4	NW	3	c	39	95	7	5	-	-	10	10	2500	1	*
	Boscombe Down	1035.6	+4	NW	3	c	38	95	7	5	-	-	10	10	1500	1	*
	Calshot (S'thmtn)	1035.0	0	NW	2	c	39	85	6	5	-	-	10	10	1500	0	0
	Dungeness ...	*	*	NW	2	c/f	*	*	4	5	-	*	9+	9+	800	*	0
	Lympne ...	1034.3	-2	NW	2	c/f	35	95	3	5	-	-	9+	9+	4000	*	*
2	Shoeburyness	1034.3	0	NW	2	c	40	95	6	5	2	-	7-8	9+	4000	0	*
	Felixstowe ...	1033.6	0	NW	3	c	40	95	6	5	-	-	10	10	2500	0	-
	Gorleston ...	1032.1	-2	NW	2	c	40	95	6	6	-	-	10	10	2500	-	2
	Cranwell ...	1035.3	+12	NW	3	c	34	95	5	-	3	-	0	1	-	-	*
3	Birmingham ...	1036.6	+8	NW	3	c	37	95	6	-	4	-	0	1	-	-	*
	Upper Heyford	1035.6	+6	NW	2	c	38	95	6	5	3	-	2-3	9+	800	-	*
4	Ross-on-Wye ...	1036.3	+6	NW	2	c	36	95	7	5	-	-	9	9	2500	-	*
5	Portland Bill...	1035.3	+2	NW	2	c	40	95	7	4	-	-	10	10	2500	0	2
	Plymouth ...	1035.6	+6	NW	2	c	37	95	7	5	-	-	9+	9+	4000	0	0
	The Lizard ...	1034.7	+4	NW	4	c	42	75	8	8	-	-	10	10	4000	0	-
	Scilly (St. Mary's)	1035.1	+2	NW	5	c	42	95	8	8	-	-	9	9	4000	0	3
	Guernsey ...	1034.0	0	NW	3	c	42	75	6	8	-	-	10	10	2500	0	3
6	Pembroke ...	1035.7	0	NW	1	c	44	85	8	5	-	-	10	10	4000	0	1
7	Holyhead ...	1037.2	+10	NW	4	c/o	43	65	9	5	-	-	4-6	4-6	2500	0	3
	Chester (Sealand)	1036.9	+14	NW	3	c/o	39	75	7	5	-	-	4-6	4-6	4000	-	*
8	L'pool (Bidston)	1036.5	+6	NW	3	c/o	40	75	8	4	-	-	2-3	2-3	4000	-	*
9	Harrogate ...	1035.6	+6	SW	1	c	34	85	8	-	4	-	0	Tr	-	4	*
10	Spurn Head ...	1033.7	+6	NW	6	c/o	38	85	6	-	2	-	0	2-3	-	0	4
	Catterick ...	1034.5	-2	NW	3	c	38	65	8	-	-	-	0	0	-	0	*
	Tynemouth ...	1033.2	+2	W	3	c/o	36	75	7	5	-	-	2-3	2-3	1500	1	2
11	Inchkeith ...	1032.2	0	WSW	4	c	39	65	8	-	4	-	0	1	-	0	3
	Leuchars ...	1030.6	-2	W	4	c	39	55	9	7	-	-	1	1	2500	0	*
12	Renfrew ...	1034.1	+8	W	3	c/o	37	75	8	8	-	-	2-3	2-3	4000	1	*
	Eskdalemuir ...	1034.1	0	SSE	2	c	33	75	8	2	-	-	1	1	2500	1	*
13A	Tiree	1029.9	+10	NW	6	c	42	65	8	8	6	-	4-6	7-8	1500	1	3
13B	Stornoway ...	1032.8	+6	NW	3	c	36	95	7	4	4	-	4-6	9	1500	0	*
15	Dalwhinnie ...	1028.7	+2	NW	4	c	39	65	8	5	-	-	Tr	Tr	4000	4	1
	Aberdeen ...	1025.5	+4	NW	4	c/o	37	95	8	8	1	-	4-6	4-6	2500	1	2
16	Lerwick ...	1015.7	+14	NW	7	P/SH	35	95	7	9	-	-	7-8	7-8	1500	6	*
17	Blacksod Point	1033.6	+10	NW	2	c	44	85	8	-	7	-	0	9	-	0	2
18	Malin Head ...	1036.3	+2	NW	3	c	44	85	7	5	2	-	9	9+	1500	0	2
	Aldergrove ...	1037.8	0	-	0	c	35	95	7	5	-	-	7-8	7-8	4000	1	*
	Donaghadee ...	1036.1	+6	W	2	bc	37	85	7	5	3	-	4-6	4-6	1500	0	1
19	Birr Castle ...	1038.7	+6	S	1	c	35	95	8	5	-	-	9+	9+	2500	1	*
20	Valentia Obsy.†	1038.6	+8	W NW	3	c	44	85	8	5	-	-	9+	9+	1500	1	*
	Roches Point...	1038.1	+6	W	1	bc	38	95	8	5	-	-	4-6	4-6	2500	0	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 12h. Hrs. (36)
1	London (Kew)...	44	37	26	-	-	5.8
	Croydon ...	42	34	30	-	-	4.5
	S. Farnborough	45	32	21	-	-	7.3
	Winchester ...	43	33	26	-	-	6.2
	Boscombe Down	42	31	24	-	-	7.4
	Calshot (S'thmtn)	44	32	25	-	-	8.1
	Dungeness ...	44	31	*	-	-	*
	Lympne ...	42	34	25	-	-	6.8
2	Shoeburyness	45	38	37	-	-	6.5
	Felixstowe ...	44	39	38	-	-	6.7
	Gorleston ...	44	38	35	-	0.2	1.6
	Cranwell ...	45	32	30	-	-	5.2
3	Birmingham ...	43	37	32	-	-	6.8
	Upper Heyford	43	35	28	-	-	*
4	Ross-on-Wye ...	45	35	25	-	-	9.0
5	Portland Bill...	44	36	*	-	-	*
	Plymouth ...	45	33	24	-	-	7.8
	The Lizard ...	44	35	*	-	-	*
	Scilly (St. Mary's)	44	39	*	-	-	5.3
	Guernsey ...	42	39	31	-	-	4.1
6	Pembroke ...	45	36	*	-	-	8.8
7	Holyhead ...	46	43	39	-	Tr.	4.4
	Chester (Sealand)	44	38	29	-	Tr.	4.4
8	L'pool (Bidston)	43	40	36	-	0.1	2.9
9	Harrogate ...	43	34	26	-	-	3.3
10	Spurn Head ...	44	36	*	-	Tr.	7.6
	Catterick ...	45	34	26	-	-	1.7
	Tynemouth ...	46	35	28	-	-	*
11	Inchkeith ...	46	38	34	-	Tr.	0.3
	Leuchars ...	51	35	29	Tr.	-	5.0
12	Renfrew ...	47	36	30	0.3	-	0.7
	Eskdalemuir ...	43	32	28	0.1	0.2	0.0
13A	Tiree	48	37	*	0.2	2	1.7
13B	Stornoway ...	46	34	29	1	-	0.3
15	Dalwhinnie ...	53	36	29	Tr.	-	4.1
	Aberdeen ...	48	34	*	2	-	
	Wick	47	34	*	3	6	0.3
16	Lerwick ...						
17	Blacksod Point	49	39	*	0.1	Tr.	*
18	Malin Head ...	48	42	*	*	-	0.9
	Aldergrove ...	45	34	29	Tr.	0.3	0.2
	Donaghadee ...	48	36	*	-	-	*
19	Birr Castle ...	42	34	27	-	0.2	0.7
20	Valentia Obsy.†	46	43	40	Tr.	0.1	5.2
	Roches Point...	46	33	*	-	Tr.	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except Greenwich & Hampstead rainfall, 9h–18h.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Day Max. °F.	Temperature. N'ght 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	bmxbc$_{3}$	bc$_{3}$m	bcmcm$_{3}$	44	37	26	-	-	5.8	*	*	5
Croydon	217	cbm5	bmcff	cfmcbc$_{m}$	42	34	30	-	-	4.5	*	*	4
Greenwich (Royal Observatory) ...	149	b3f	bc3	cfc	43	38	30	-	-	1.8	66	84	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	1.4	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	45	39	34	-	-	2.4	61	75	*
†Regents Pk. (Botanic Gardens) ...	168	*	*	*	45	32	30	-	-		67	83	*
Camden Square	110	x6	bc	*	44	42	33	-	-		*	83	*
Kensington	80	c53bc	bc	*	43	37	31	-	-	4.7	At 18h.	86	*
Hampstead Observatory	450	c	bc	*	42	36	30	-	Tr	7.0	68	87	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 13th.

South Kensington. Max.	Time.	Min.	Time.
1·3	20h 12th	Nil	3h 14th 13th

Kew Observatory. Max.	Time.	Min.	Time.
1·4	20h 12th	0·1	5h 13th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 12th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 13th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1033·1	NE	2	b	36	1034·3	-	0	b	30
Brussels	1033·4	NNE	1	c	37	1033·6	SW	2	c	32
Berlin	1027·1	W	3	c/o	36	1025·8	W	0	c	37
Zürich	1029·4	NE	1	b	32	1031·8	N	1	b	23
Rome	1014·1	N	5	bc	45	?	WSW	3	bc	?

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
43	30	-	-
43	28	-	-
37	36	-	0.5
37	23	-	-
55	39	2	-

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.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 14th February 1933.

No. 26013

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 13th 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)...	1035·4	-4	NNW	2	b	44	55	6	-	-	-	0	0	-
	Croydon ...	1035·1	-2	NNE	3	b	44	55	4	-	-	-	0	0	-
	S. Farnborough	1035·2	-8	N'W	3	bc	46	55	7	1	-	-	2-3	2-3	2500
	Winchester ...	1035·4	-8	NNE	3	c	44	65	7	5	-	-	7-8	7-8	2500
	Boscombe Down	1035·5	-4	NE'N	3	bc	44	65	7	1	-	-	2-3	2-3	2500
	Calshot, S'thmtn	1035·3	-2	NNE	3	bc	47	65	6	5	-	-	4-6	4-6	2500
	Dungeness ...	*	*	~~NW~~ NNW	1	c bc	*	*	5	5	2	*	~~2-3~~ 9	~~7-8~~ 9 2-3	1500
	Lympne ...	1034·7	-4	NNE	3	c	45	75	6	4	4	-	9	9	1500
2	Shoeburyness	1034·9	-2	N'E	3	bc	47	75	7	1	-	-	2-3	2-3	4000
	Felixstowe ...	1034·5	-4	N'W	2	c	46	65	8	7	-	-	7-8	7-8	1500
	Gorleston ...	1033·8	+4	NNW	3	c	45	85	6	7	-	-	7-8	7-8	2500
	Cranwell ...	1034·9	-12	NW'W	3	b	44	65	6	-	-	-	0	0	-
3	Birmingham ...	1036·2	-4	NNE	3	b	42	55	5	-	-	-	0	0	-
	Upper Heyford	1036·1	-6	NNE	3	b	44	55	7	1	-	-	Tr.	Tr.	2500
4	Ross-on-Wye ...	1035·7	-14	NE	3	b	45	55	8	1	-	-	Tr.	Tr.	5700
5	Portland Bill...	1035·1	-6	NE	3	bc	45	85	8	4	-	-	4-6	4-6	2500
	Plymouth ...	1035·6	-8	ENE	4	bc	46	65	7	7	3	-	4-6	4-6	4000
	The Lizard ...	1035·7	-2	E'N	3	c	44	85	8	5	-	-	9+	9+	4000
	Scilly (St. Mary's)	1035·7	-2	E'N	4	c	45	85	7	7	-	-	9+	9+	4000
	Guernsey ...	1034·6	-4	NE	2	o	44	75	6	5	-	-	10	10	2500
6	Pembroke ...	1036·6	-4	NE	1	bc	47	45	8	5	4	1	2-3	4-6	2500
7	Holyhead ...	1037·6	0	N'W	4	c	45	55	8	5	-	-	9+	9+	2500
	Chester (Sealand)	1037·1	-4	WNW	3	bc	46	65	8	4	-	-	2-3	2-3	4000
8	L'pool (Bidston)	1036·9	0	NW'W	4	b	44	75	8	7	-	-	1	1	4000
9	Harrogate ...	1034·4	0	WSW	2	b	45	65	9	-	-	-	0	0	-
10	Spurn Head ...	1033·6	-2	NW	5	bc	43	85	6	-	1	-	0	2-3	-
	Catterick ...	1034·0	-14	WNW	3	b	46	55	8	1	-	-	Tr.	Tr.	4000
	Tynemouth ...	1033·1	-4	W	3	bc	44	65	7	2	-	-	2-3	2-3	2500
11	Inchkeith ...	1032·1	-8	W	4	bc	44	55	8	5	-	-	4-6	4-6	4000
	Leuchars ...	1031·0	-6	W	4	c	47	45	9	7	-	-	7-8	7-8	2500
12	Renfrew ...	1034·1	+2	W'N	4	bc	44	65	7	8	-	-	4-6	4-6	2500
	Eskdalemuir ...	1033·7	-4	SW	4	b	43	65	8	8	-	-	1	1	2500
13A	Tiree	1036·1	+8	W'N	5	pr	44	75	8	8	7	-	9	10	1500
13B	Stornoway ...	1031·6	+8	NW	5	cphr	44	75	8	8	6	-	4-6	9+	1500
15	Dalwhinnie ...	*	+2	NW	3	c	40	95	8	4	1	-	4-6	10	2500
	Aberdeen ...	1029·0	-4	WNW	4	c	44	55	8	8	-	-	9	9	4000
	Wick	1026·2	+6	NW	4	ph	41	95	8	8	1	-	4-6	4-6	2500
16	Lerwick ...	1018·1	+14	WNW	7	PH	38	85	7	9	1	-	9	9	1500
17	Blacksod Point	1040·4	0	-	0	c	46	75	9	-	7	-	0	10	-
18	Malin Head ...	1037·2	+4	W'N	3	c	45	75	8	4	7	-	9		1500
	Aldergrove ...	1038·3	+2	W'N	3	c	43	75	8	5	-	-	9+	9+	4000
	Donaghadee ...	1037·2	+2	N	2	bc	45	65	7	8	3	-	2-3	4-6	1500
19	Birr Castle ...	1039·6	-2	N	2	c	45	65	8	5	-	1	7-8	9	2500
20	Valentia Obsy.	1039·1	-2	NE'E	3	bc	46	65	9	5	-	-	4-6	4-6	2500
	Roches Point...	1038·8	-2	NE	3	bc	46	65	9	5	-	-	4-6	4-6	2500

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 18h. G.M.T. 13th 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)...	1034·5	-4	-	0	m	41	65	4	-	-	-	0	0	-	1	*
	Croydon ...	1034·3	0	WNW	1	bf	37	75	3	-	-	-	0	0	-	1	*
	S. Farnborough	1034·5	0	-	0	b	37	75	6	-	-	-	0	0	-	1	*
	Winchester ...	1034·8	0	NNW	2	b	38	75	7	-	-	-	0	0	-	1	*
	Boscombe Down	1035·0	0	N	1	b	37	75	6	5	-	-	1	1	4000	1	*
	Calshot, S'thmtn	1034·2	-4	NNW	3	b	41	65	6	-	4	-	0	Tr.	-	0	1
	Dungeness ...	*	*	NE	1	bc	*	*	7	4	-	*	4-6	4-6	1500	*	0
	Lympne ...	1033·8	-2	NE	1	b	37	85	6	5	-	-	1	1	4000	1	*
2	Shoeburyness	1034·2	-4	NW	2	b	38	85	7	-	-	-	0	0	-	0	*
	Felixstowe ...	1033·7	-10	NW	2	bc	39	75	7	5	-	1	4-6	4-6	5700	0	1
	Gorleston ...	1033·4	+10	NW'W	1	bc	40	75	5	5	-	-	4-6	4-6	1500	0	2
	Cranwell ...	1033·8	+6	W	2	b	38	75	6	-	-	-	0	0	-	1	*
3	Birmingham ...	1034·9	-2	NNW	4	b	40	65	5	-	-	-	0	0	-	1	*
	Upper Heyford	1035·0	+2	NW	1	b	39	65	6	-	-	1	0	1	-	1	*
4	Ross-on-Wye ...	1035·0	-8	NW	1	b	39	75	8	5	-	-	1	1	4000	1	*
5	Portland Bill...	1034·6	-4	NE	2	c	43	75	7	4	-	-	10	10	2500	0	2
	Plymouth ...	1035·0	0	NE	3	c	45	65	7	5	-	-	9+	9+	4000	1	0
	The Lizard ...	1034·4	0	NE	3	c	44	75	7	4	-	-	9+	9+	4000	0	2
	Scilly (St. Mary's)	1034·4	-4	ENE	3	c	45	85	7	7	-	-	9+	9+	4000	0	2
	Guernsey ...	1033·6	-4	N	3	c	44	85	6	7	-	-	7-8	7-8	2500	0	2
6	Pembroke ...	1036·5	-4	NNE	2	c	43	55	7	5	5	1	4-6	7-8	2500	0	1
7	Holyhead ...	1036·3	-4	NW	4	c	44	65	7	5	-	-	9+	9+	4000	1	2
	Chester (Sealand)	1035·4	-4	NW'W	3	bc	40	85	7	5	-	-	4-6	4-6	4000	1	*
8	L'pool (Bidston)	1035·0	-2	NW'W	4	bc	41	85	8	5	-	-	4-6	4-6	4000	0	*
9	Harrogate ...	1033·6	0	WSW	1	b	38	75	7	-	-	-	0	0	-	1	*
10	Spurn Head ...	1032·4	0	NW	3	c	42	95	6	5	1	-	4-6	7-8	2500	0	2
	Catterick ...	1033·1	-2	WNW	2	b	41	65	8	4	-	-	Tr.	Tr.	4000	0	*
	Tynemouth ...	1032·2	-6	W	2	bc	43	55	6	2	-	-	4-6	4-6	2500	1	2
11	Inchkeith ...	1031·4	-6	WSW	4	bc	42	75	8	5	3	-	2-3	4-6	4000	0	3
	Leuchars ...	1030·9	0	WNW	4	c	43	65	8	7	-	-	7-8	7-8	2500	0	*
12	Renfrew ...	1033·8	+2	W	3	bc	41	75	7	8	3	-	2-3	4-6	2500	1	*
	Eskdalemuir ...	1033·5	+4	WNW	1	bc	40	65	8	8	-	-	4-6	4-6	2500	1	*
13A	Tiree	1035·3	-2	W'N	5	c JP	44	75	8	8	7	-	9	9+	1500	1	4
13B	Stornoway ...	1032·0	0	NW	4	c	41	75	8	8	6	-	4-6	9+	1500	1	2
15	Dalwhinnie ...	1032·0	-2	NW	2	c	37	95	8	4	1	-	4-6	9	2500	0	*
	Aberdeen ...	1028·9	+4	W'N	4	pr	41	75	8	8	-	-	9	9	1500	1	1
	Wick	1026·3	+8	NW	4	c	41	95	8	5	1	-	7-8	10	1500	1	3
16	Lerwick ...	1021·0	+20	NW	5	c/ps	33	95	6	9	2	-	7-8	9	800	6	*
17	Blacksod Point	1038·8	-4	N	2	c	44	75	9	-	7	-	0	9	-	0	2
18	Malin Head ...	1036·5	-2	NW'W	3	c	43	95	7	4	-	-	9+	9+	1500	0	2
	Aldergrove ...	1037·5	-2	NW'W	2	c	41	75	8	5	-	-	9+	9+	4000	1	*
	Donaghadee ...	1035·9	-4	NW	2	c	44	65	7	5	-	-	7-8	7-8	1500	0	1
19	Birr Castle ...	1038·7	-2	N	1	c	42	65	8	5	-	-	9+	9+	2500	1	*
20	Valentia Obsy.	1038·4	-2	NE'E	3	c	43	65	9	5	-	-	9+	9+	4000	0	1
	Roches Point...	1038·1	-6	NE	3	c	44	65	8	5	-	-	7-8	7-8	2500	0	2

PAST 24 HOURS. WEATHER.

District	Stations.	7h.–13h. 13th (37)	13h.–18h. 13th (38)	18h. 13th to 1h. 14th (39)	1h.–7h. 14th (40)
1	London (Kew)...	bcc3o	by b3	bm x	bm x f
	Croydon ...	cmf bc3	b3 yf	bfj mx	bm x
	S. Farnborough	cm o bc	by	bm o x	bx b
	Winchester ...	cbc	bcb	bm o x	bm o mx
	Boscombe Down	cm o bcb	b3 o	bm o	bx m
	Calshot, S'thmtn	cbc	bc bm o	bm bx m o	bx m o
	Dungeness ...	bc	bc	*	f
	Lympne ...	cf bc3 o	cbc	bm x	bm x
2	Shoeburyness	cm o b	b	b	bm o
	Felixstowe ...	cm o bc3 o	bc by bc	bob	bm o x
	Gorleston ...	o cm o	cbm o	bc bm x	bm o x
	Cranwell ...	b3 o	b3 o	b3 o m x	bmm o x
3	Birmingham ...	b	b	b	bm x
	Upper Heyford	by	by b3 o	b3 o m o	b, cm o
4	Ross-on-Wye ...	cbby.	by	bcb	bx
5	Portland Bill...	cbc	bcc	b	bbc
	Plymouth ...	cmbc	bcc	cbcb	bx
	The Lizard ...	c	c	cb	bbc 5X
	Scilly (St. Mary's)	c	c	bbcc	cbc
	Guernsey ...	co	oc	bc	bcc
6	Pembroke ...	cbcy	bccm o y	cbcc	c
7	Holyhead ...	bcbbc	yc	c	cbcq
	Chester (Sealand)	bcb	bbc	bc	bopr o
8	L'pool (Bidston)	bcvb	bbc	bcb	bcw
9	Harrogate ...	b	b	b	b
10	Spurn Head ...	bc	bcc	cbc	bcx
	Catterick ...	by	byb	bx	bx bcx
	Tynemouth ...	bc	bc	bcb	bcc
11	Inchkeith ...	bbc	bc	bc	bc
	Leuchars ...	bqbyv	bcvcyq	cqb	bbc
12	Renfrew ...	bbcc	bc	bcb	bx
	Eskdalemuir ...	bcy	bcyqbcy	bc	bx
13A	Tiree	c	cpr o	cbcprq	PRq
13B	Stornoway ...	cphr	cphr	cphr	cphrt cs
15	Dalwhinnie ...	c	ir *		
	Aberdeen ...	bccy	bcycpr o	pr o bc	bcoirirsh
	Wick	bcprshq	bcc	cprhq	cph o c
16	Lerwick ...	cPHq	cphsq	cphsq	cph o
17	Blacksod Point	c	c	c	pr o c
18	Malin Head ...	c	c	cpr o	cpr o
	Aldergrove ...	c	c	c bc	bcpr o x
	Donaghadee ...	bc	bcc	bc	cpr o
19	Birr Castle ...	c	c	c	cx
20	Valentia Obsy.	cbcv	bccvy	cubcb	bx
	Roches Point...	bcv	bcc	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, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—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.
"t r" signifies a small amount of cloud (trace) covering less than 1/10 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
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.

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.*

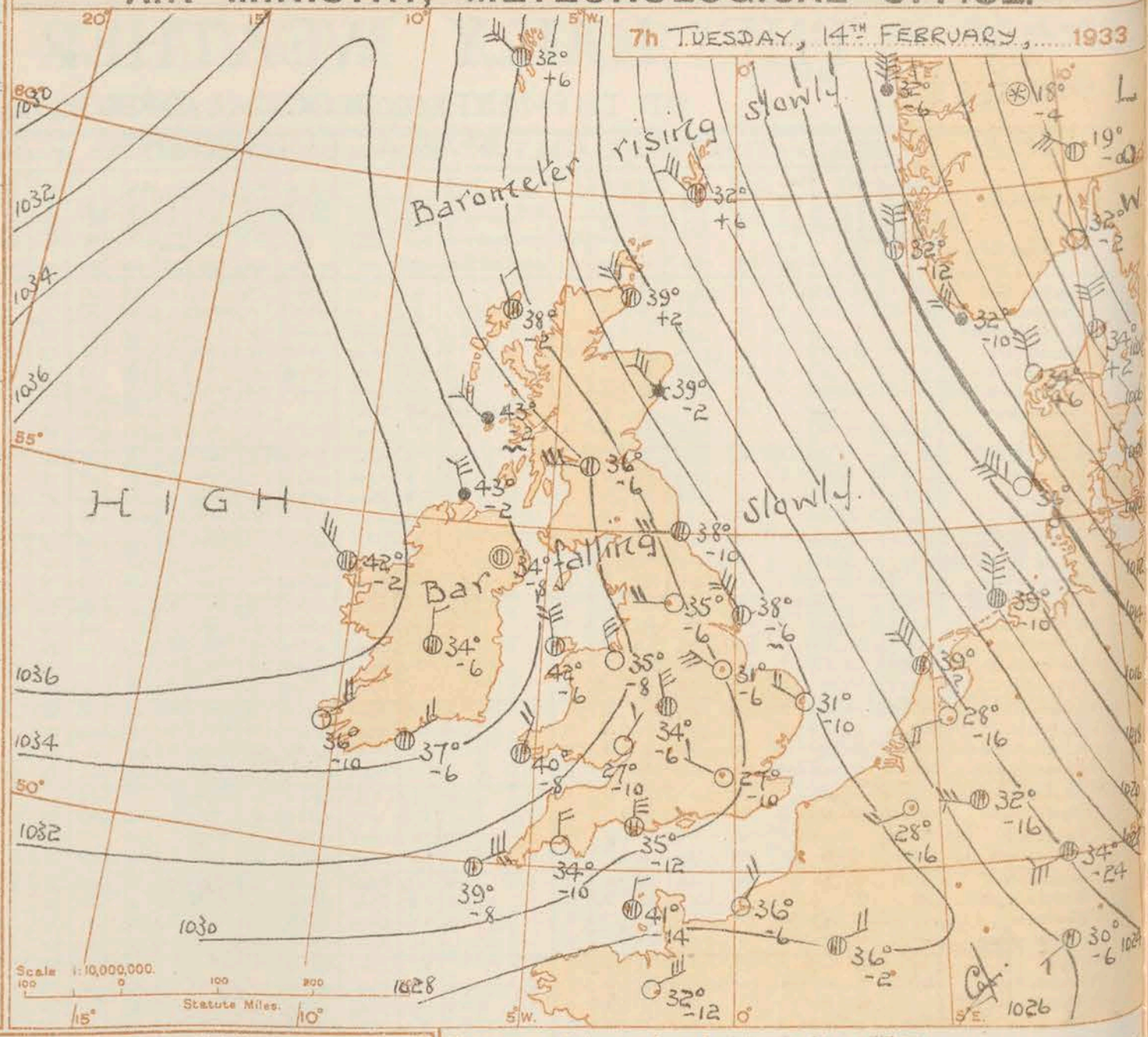
REPORTS from HEALTH RESORTS for 13th February 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 12th to 9h. 13th	Temperature. Max. 9h.—17h. 13th	Rainfall. Night. 17h. 12th to 9h. 13th	Rainfall. Day. 9h.—17h. 13th	Sunshine. Sunrise to -17h. 13th	Sunshine. Sunrise to Sunset. 12th
1	Tunbridge W.	ocb	b	31	47	-	-	5.6	7.2
	Bournemouth	ob	bc	32	49	-	-	3.5	8.6
	Ventnor ...	obz	bbcbz	36	47	-	-	3.8	7.4
	Southsea ...	c	cb	33	47	-	-	3.7	7.6
	Bognor Regis	ocbcb	b	38	47	-	-	4.9	7.5
	Littlehampton	bc	bc	31	48	-	-	4.4	7.6
	Worthing ...	cbc	bbc	33	48	-	-	3.6	7.4
	Brighton ...	ocb	b	34	49	-	-	3.9	6.9
	Eastbourne†	ocbc	bcb	34	50	-	-	4.4	8.0
	Hastings† ...	ocbc	bc	37	45	0.1	-	4.1	7.8
	Folkestone ...	bmbc	bccbc	33	47	-	-	2.1	6.8
	Dover... ...	mcbcc	cbf	34	46	-	-	2.4	7.6
	Deal	obbc	ocbc	34	46	-	-	2.3	7.2
	Ramsgate ...	obcm	bcm	37	46	-	-	3.8	7.2
	Margate ...	cbc	bc	37	45	-	-	5.2	7.5
2	Southend ...	bcmb	bbm	35	48	-	-	7.3	6.4
	Maldon ...	b	b	39	46	-	-	7.7	5.6
	Clacton-on-Sea	cbc	bc	33	47	-	-	5.5	6.2
	Dovercourt ...	b	b	37	49	-	-	6.4	6.6
	Lowestoft ...	cbc	b	34	46	0.1	-	5.0	5.2
	Skegness ...	b	b	34	47	Tr	-	7.4	4.6
	Mablethorpe	bm	bm	32	46	-	-	7.9	5.4
	Cleethorpes...	b	b	35	46	-	-	7.4	7.2
3	Leamington S.	bc	bc	33	46	-	-	6.8	7.0
4	Cheltenham†	bmbbc	bcbzo	37	45	-	-	7.8	6.5
5	Bath	cbcb	b	28	46	-	-	5.5	6.8
	Weymouth ...	c	bbc	32	49	-	-	2.5	8.6
	Jersey ...	czbc	bcbz	37	45	-	-	1.2	3.5
	Torquay ...	omoc	czo	31	48	-	-	0.7	7.9
	Penzance ...	o	o	35	46	-	-	0.0	7.6
	St. Ives ...	o	o	38	46	-	-	0.0	6.1
	Bude	xbcc	cbcc	28	46	-	-	1.7	6.5
	Ilfracombe ...	ocbc	bcb	36	46	-	-	2.4	8.8
6	Aberystwyth	cro	cbcc	32	44	1	-	2.9	8.2
7	Llandudno ...	bcc	cbcc	39	46	1	-	2.7	4.2
	Colwyn Bay...	bcb	bcc	38	46	0.3	-	3.0	4.3
	Rhyl	bbc	bc	39	45	Tr	-	4.8	3.8
8	Wallasey ...	b	b	38	47	Tr	-	8.0	2.7
	Southport‖ ...	b	bbcb	35	47	0.2	-	8.3	2.3
	Blackpool ...	bbc	bc	38	47	0.3	-	8.0	1.1
	Morecambe ...	b	b	37	45	0.3	-	8.2	0.2
9	Ilkley... ...	b	b	30	48	-	-	8.6	0.0
10	Berwick-on-T.	b	bccbc	35	46	-	-	6.9	5.0
11	Dunbar ...	bcro	bc	35	46	0.3	-	6.0	2.9
12	Troon... ...	cbc	crcbc	40	47	-	Tr	5.1	?
	Douglas ...	cb	bcb	38	44	0.5	Tr	5.1	0.5

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h TUESDAY, 14TH FEBRUARY, 1933



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 14th Feb, 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Light or moderate northerly wind; fair; local morning mist or fog; rather cool; night frost.
5. S.W. England 6. South Wales	Moderate northeasterly wind, fresh locally; mainly fair; rather cool.
7. North Wales 8. N.W. England 9. N. Midlands	As 1 - 4. Moderate northwesterly wind; variable cloud; perhaps local showers; cool; local ground frost tonight.
10. N.E. England 11. S.E. Scotland	Moderate northwesterly wind; bright intervals, perhaps local showers; normal or rather low temperature; local frost tonight.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. / B. N.W. Scotland.	Moderate northwest wind, probably backing; variable cloud; showers at first; rather low temperature.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Fresh or moderate north or northwest wind; variable cloud; showers of rain, hail or sleet; rather low temperature.
17. N.W. Ireland 18. N.E. Ireland	Light or moderate northerly or variable wind; variable cloud; local showers; rather cool.
19. S.E. Ireland 20. S.W. Ireland	Light or moderate easterly wind; mainly fair; rather cool.

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

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◯ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— ◯ Clear sky. ◔ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 5/10 to 9/10 clouded. ● Overcast sky. • Rain falling. ✳ Snow ✳ Sleet △ Hail = Fog ≡ Mist. T Thunder. K Thunderstorm.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

An anticyclone centred off Ireland is decreasing slowly in intensity. Weather will be fair, apart from showers in the North.

FURTHER OUTLOOK.

Little change generally; possibly local rain in S.W. England.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

Forecasts issued at 1020 G.M.T.

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

Morning of
TUESDAY,
14TH FEBRUARY,
1933.

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 the wind. Number of feathers indicate Beaufort Force.
⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 14th February 1933.

No. 26017

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

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	1032.3	-12	WS	1	b	31	85	4	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1032.8	-18	NW	2	b	35	85	6	-	-	-	0	0	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1032.3	-14	NNW	2	b	32	85	5	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1030.6	-14	WN	2	b	33	95	6	-	-	-	0	0	-
	Cranwell ...	240	1032.2	-12	WS	3	b	31	95	4	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1032.9	-8	NNE	2	b	38	85	7	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1032.8	-6	NE'E	4	b	39	85	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	1033.1	-4	E'N	5	c	43	75	8	7	-	-	7-8	7-8	4000
	Guernsey ...	175	1031.3	-14	NE	3	bc	42	75	6	7	-	-	4-6	4-6	2500
6	Pembroke ...	142	1034.2	-6	NNE	2	c	40	75	8	5	-	-	9+	9+	2500
7	Holyhead ...	26	1034.6	-10	NNW	4	c	44	85	8	5	-	-	9+	9+	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1030.0	-4	NW	5	bc	38	95	6	-	1	-	0	2-3	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1031.4	-6	W	2	b	37	75	7	-	-	-	0	0	-
11	Inchkeith ...	190	1031.3	-4	WSW	4	bc	39	75	7	5	-	-	2-3	2-3	4000
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1031.9	0	NW	3	pr	40	75	8	9	7	-	4-6	7-8	800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1027.8	+2	NW	4	c	38	85	8	8	1	-	4-6	7-8	2500
16	Lerwick ...	54	1024.5	+8	NW	5	c/ps	34	95	7	8	-	-	7-8	7-8	1500
17	Blacksod Point	18	1037.7	-2	NW	2	pr	41	95	8	3	-	-	9	9	800
18	Malin Head ...	52	1035.7	-2	NW	3	c	44	85	7	4	7	-	9	9+	1500
	Aldergrove ...	298	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1037.4	-6	ENE	3	b	38	85	8	-	2	1	0	Tr	-
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

District.	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1030.0	-12	W	1	bf	30	95	3	-	-	-	0	0	-	4	*
	Croydon ...	1030.1	-12	WNW	1	b	29	95	4	-	-	-	0	0	-	4	*
	S. Farnborough	1030.4	-10	NW	1	b	27	95	4	-	-	-	0	0	-	4	*
	Winchester ...	1030.4	-10	NW	2	bc	27	95	4	5	-	-	4-6	4-6	1500	4	*
	Boscombe Down	1030.8	-6	NW	1	c	29	95	5	5	-	-	9	9	800	4	*
	Calshot, (S'thmtn)	1030.2	-6	NW	3	b	32	95	4	5	3	-	0	Tr	-	0	0
	Dungeness ...	*	*	*	*	fg	*	*	5	5	-	*	4-6	4-6	800	*	*
	Lympne ...	1029.1	-14	NW	4	fg	31	85	5	-	-	-	0	0	-	1	0
2	Shoeburyness	1028.9	-8	NW	2	b	30	95	5	-	4	-	0	Tr	-	0	*
	Felixstowe ...	1028.4	-10	NW	3	bc	31	95	5	-	3	-	0	2-3	-	4	1
	Gorleston ...	1027.7	-10	NW	2	b	31	75	5	-	3	-	0	0	-	4	2
	Cranwell ...	1029.8	-6	NW	3	b	31	85	6	-	3	1	0	Tr	-	4	*
3	Birmingham ...	1031.0	-6	NNW	3	c	34	95	4	5	-	-	9+	9+	800	1	*
	Upper Heyford	1030.8	-6	NW	2	c	32	95	4	5	-	-	9+	9+	450	1	*
4	Ross-on-Wye ...	1031.0	-10	NE	1	b	27	95	7	5	-	-	1	1	2500	4	*
5	Portland Bill...	1030.3	-12	NNE	3	bc	35	95	7	4	-	-	2-3	2-3	2500	0	2
	Plymouth ...	1031.4	-10	N	2	b	34	85	7	-	-	-	0	0	-	4	1
	The Lizard ...	1031.3	-4	N'E	3	bc	34	75	8	7	-	-	2-3	2-3	4000	4	2
	Scilly (St. Mary's)	1031.2	-8	ENE	5	bc	39	75	8	7	-	-	2-3	2-3	4000	4	3
	Guernsey ...	1029.6	-14	NNE	1	c	41	75	6	8	-	-	10	10	2500	0	3
6	Pembroke ...	1033.9	-8	NNE	2	c	40	75	7	5	2	-	4-6	7-8	2500	0	1
7	Holyhead ...	1032.6	-6	NW	5	bc	42	85	7	5	2	-	2-3	2-3	2500	1	2
	Chester (Sealand)	1032.0	-8	NW	3	b	35	95	7	5	-	-	Tr	Tr	4000	1	0
8	L'pool (Bidston)	1031.7	-6	NW	3	bc	39	95	8	7	1	-	1	2-3	4000	0	*
9	Harrogate ...	1030.1	-6	W	2	b	35	85	8	-	4	-	0	Tr	-	4	*
10	Spurn Head ...	1027.5	-6	NW	6	bc	38	95	7	5	1	-	2-3	4-6	1500	5	4
	Catterick ...	1029.8	-12	WNW	3	bc	37	75	8	5	3	-	4-6	4-6	4000	0	*
	Tynemouth ...	1028.5	-12	W	3	c	38	75	7	5	-	-	7-8	7-8	1500	1	2
11	Inchkeith ...	1030.0	-8	WSW	4	bc	38	75	8	5	4	-	2-3	4-6	4000	0	2
	Leuchars ...	1029.1	-2	WNW	2	bc	37	75	8	5	-	-	2-3	2-3	4000	0	*
12	Renfrew ...	1032.1	-6	W	3	bc	36	85	7	5	4	-	1	2-3	4000	4	*
	Eskdalemuir ...	1031.2	-8	W	3	b	32	85	7	5	-	-	1	1	2500	4	*
13A	Tiree	1033.6	-4	NW	4	pr	43	85	8	8	7	-	4-6	4-6	1500	1	4
13B	Stornoway ...	1031.6	-2	NNW	1	c/pr	38	95	8	9	6	-	4-6	7-8	1500	1	0
15	Dalwhinnie ...	1030.6	-2	NW	2	c	35	95	7	4	4	-	7-8	10	2500	5	*
	Aberdeen ...	1028.2	-2	NW	4	rs	39	85	8	9	-	-	9	9	1500	1	1
	Wick	1027.9	+2	NW	5	c	39	75	8	8	1	8	4-6	7-8	1500	1	3
16	Lerwick ...	1023.8	+6	NW	4	c/ph	32	85	8	9	2	-	7-8	7-8	1500	4	*
17	Blacksod Point	1036.3	-2	NW	3	c	42	95	8	8	-	-	9	9	450	0	3
18	Malin Head ...	1034.3	-2	NW	4	pr	43	85	7	8	2	-	9	9+	1500	1	2
	Aldergrove ...	1034.8	-8	-	0	bc	34	95	5	4	4	-	4-6	4-6	2500	4	*
	Donaghadee ...	1033.8	-4	NW	2	c/pr	42	85	7	9	2	-	4-6	7-8	1500	1	1
19	Birr Castle ...	1035.7	-6	N	1	c	34	95	8	5	-	-	9	9	2500	0	*
20	Valentia Obsy.†	1035.5	-10	ENE	2	b	36	75	8	5	-	-	1	1	4000	0	1
	Roches Point...	1035.1	-6	NE	2	c	37	85	8	5	-	-	7-8	7-8	2500	0	2

PAST 24 HOURS.

District.	Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 13th Hrs. (36)
1	London (Kew)...	48	29	18	-	Tr	5.5
	Croydon ...	44	27	21	-	-	3.8
	S. Farnborough	47	25	14	-	0.1	4.6
	Winchester ...	48	26	19	-	-	5.0
	Boscombe Down	44	27	22	-	-	6.1
	Calshot, (S'thmtn)	47	31	24	-	-	2.5
	Dungeness ...	47	25	*	-	-	*
	Lympne ...	48	30	22	-	-	3.2
2	Shoeburyness	48	29	18	-	-	7.2
	Felixstowe ...	47	30	20	-	-	5.7
	Gorleston ...	46	30	27	-	-	3.6
	Cranwell ...	48	30	27	-	-	3.4
3	Birmingham ...	44	33	29	-	-	6.5
	Upper Heyford	44	30	26	-	-	*
4	Ross-on-Wye ...	46	26	16	-	-	8.5
5	Portland Bill...	49	35	*	-	-	*
	Plymouth ...	48	33	26	-	-	1.4
	The Lizard ...	45	34	*	-	-	*
	Scilly (St. Mary's)	46	39	*	-	-	0.0
	Guernsey ...	45	40	31	-	-	0.0
6	Pembroke ...	47	37	*	-	-	5.8
7	Holyhead ...	47	42	39	-	-	4.3
	Chester (Sealand)	46	35	31	-	Tr	8.1
8	L'pool (Bidston)	44	38	35	-	-	7.8
9	Harrogate ...	47	33	27	-	-	8.4
10	Spurn Head ...	44	36	*	-	-	8.2
	Catterick ...	46	35	25	-	-	8.6
	Tynemouth ...	47	35	30	-	-	*
11	Inchkeith ...	45	37	34	-	-	6.9
	Leuchars ...	48	36	29	-	-	3.6
12	Renfrew ...	47	29	28	-	-	4.9
	Eskdalemuir ...	44	31	28	-	-	8.5
13A	Tiree	45	41	38	Tr	1	1.0
13B	Stornoway ...	44	36	*	2	1	0.3
15	Dalwhinnie ...	41	33	27	Tr	1	4.3
	Aberdeen ...	44	36	34	Tr	3	2.2
	Wick	42	37	*	2	0.4	*
16	Lerwick ...	39	32	*	2	Tr	1.3
17	Blacksod Point	46	39	*	-	Tr	*
18	Malin Head ...	45	40	*	Tr	0.4	0.0
	Aldergrove ...	45	34	25	-	0.3	0.5
	Donaghadee ...	47	38	*	-	0.4	*
19	Birr Castle ...	46	34	27	-	-	1.6
20	Valentia Obsy.†	47	35	29	-	-	3.0
	Roches Point...	47	34	*	-	-	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 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	bcc3.	b4b3	bmxf	45	29	18	-	Tr	5.5	*	*	3
Croydon	217	cmfbc3	b34f	bffmx	44	27	21	-	-	3.8	*	*	3
Greenwich (Royal Observatory) ...	149	cb43	b43	bxm	45	26	19	*	Tr	4.9	52	75	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	4.7	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	47	30	24	-		4.2	45	91	*
†Regents Pk. (Botanic Gardens) ...	168	*	*	*	47	31	19	-		5.2	53	84	*
Camden Square	110	cb	b	*	48	31	24	-	-	*	*	79	*
Kensington	80	cbcb3	b3	*	46	30	22	-	-	5.3	At 18h. 91	*	*
Hampstead Observatory	450	cbc	bc	*	44	29	17	-	-	6.1	57	82	*

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 13th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 14th February. 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	1032.2	NNE	3	bc	39	1028.1	ENE	2	c	36	46	34	-	-
Brussels	1031.9	NW	2	fg	37	1026.8	WSW	2	c	28	39	27	-	-
Berlin	1021.0	W	5	c	39	1010.7	NW	4	q	34	39	30	4	3
Zürich	1030.0	SE	2	b	34	1026.6	E	1	b	25	41	23	-	-
Rome	1020.6	NNE	3	b	43	1018.5	NE	3	b	28	50	28	-	-

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
1.7	20h 13th	0.3	2h-3h 14th

Kew Observatory. Max.	Time.	Min.	Time.
1.0	2h 13th	0.1	13h 13th

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		

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.

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 ,,	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.

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

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

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

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

‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 15th February 1933.

No. 26018

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

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)	1027·7	-14	NNW	2	b	44	55	6	7	-	-	1	1	4000
	Croydon	1027·6	-22	WNW	1	bf	37 44	85	3	-	-	-	0	0	-
	S. Farnborough	1027·7	-20	NNW	2	b	46	55	7	1	-	-	Tr.	Tr.	2500
	Winchester	1028·4	-18	N	4	b	43	65	7	1	-	-	Tr.	Tr.	2500
	Boscombe Down	1028·5	-14	NNE	4	b	43	65	7	1	-	-	Tr.	Tr.	2500
	Calshot, S'thmtn	1028·5	-14	N'W	3	b	42	65	6	-	-	-	0	0	-
	Dungeness	*	*	NNE	2	bc	*	*	6	5	-	*	2-3	2-3	1500
	Lympne	1027·1	-14	N'W	3	b	42	55	6	2	-	-	1	1	2500
2	Shoeburyness	1027·2	-12	NNW	4	b	45	65	7	4	-	-	1	1	2500
	Felixstowe	1026·2	-18	NW'N	4	c	43	65	8	7	-	-	7-8	7-8	2500
	Gorleston	1025·6	-10	NW	3	c	41	85	6	8	-	-	9	9	2500
	Cranwell	1027·6	-14	NW	4	bc	43	65	6	1	-	9	Tr.	2-3	2500
3	Birmingham	1029·2	-8	NNW	4	b	42	65	4	-	-	-	0	0	-
	Upper Heyford	1028·6	-18	NE NE	3	bc	44	65	6	-	-	1	0	2-3	-
4	Ross-on-Wye	1028·7	-4	NE	3	b	45	65	8	1	-	-	1	1	4000
5	Portland Bill	1028·1	-10	NNE	3	bc	44	85	8	1	-	-	2-3	2-3	2500
	Plymouth	1028·9	-18	N'E	4	bc	43	65	8	7	-	-	4-6	4-6	4000
	The Lizard	1028·3	-10	NE	4	bc	44	65	8	4	-	-	4-6	4-6	4000
	Scilly (St. Mary's)	1029·0	-12	NE'E	5	c	44	75	8	5	-	-	7-8	7-8	4000
	Guernsey	1026·9	-16	NE	4	c	43	75	7	8	-	-	10	10	1500
6	Pembroke	1030·5	-12	NE	3	c	45	65	7	8	7	-	4-6	7-8	2500
7	Holyhead	1031·2	-10	N'W	5	bc	45	85	8	4	-	-	4-6	4-6	4000
	Chester (Sealand)	1030·8	-8	WNW	4	bc	44	75	7	1	-	-	2-3	2-3	4000
8	L'pool (Bidston)	1030·3	-4	NNW	3	b	41	85	9	1	-	-	Tr.	Tr.	4000
9	Harrogate	1028·6	-6	N'W	3	c	43	65	8	8	-	-	7-8	7-8	4000
10	Spurn Head	1025·7	-4	NNW	7	q	39	95	7	3	2	-	4-6	9+	1500
	Catterick	1028·1	-10	NNW	5	bc	44	55	8	8	-	-	4-6	4-6	4000
	Tynemouth	1027·5	-6	N	4	c	40	85	7	9	-	-	7-8	7-8	1500
11	Inchkeith	1029·9	0	NW	3	c	43	65	8	5	-	-	7-8	7-8	4000
	Leuchars	1028·6	-4	NW	4	c	43	55	8	8	-	-	9	9	1500
12	Renfrew	1030·8	-6	WNW	3	bc	43	65	8	7	-	-	4-6	4-6	4000
	Eskdalemuir	1029·8	-4	NW'N	3	bc	41	55	8	8	-	-	4-6	4-6	4000
13A	Tiree	1032·5	-4	NW	4	bc	45	75	9	8	7	3	2-3	4-6	1500
13B	Stornoway	1031·2	-2	NW	1	c	42	85	8	8	6	-	4-6	9+	1500
15	Dalwhinnie	1030·9	-2	N	2	c	37	95	8	4	4	3	4-6	9	2500
	Aberdeen	1027·9	-2	NNW	4	cjp	41	55	8	3	-	-	7-8	7-8	2500
	Wick	1028·2	-2	NNW	5	c	38	75	8	8	-	-	9	9	2500
16	Lerwick	1024·8	0	NNW	4	c/ps	34	95	8	5	-	-	9+	9+	1500
17	Blacksod Point	1035·4	-10	N	2	bc	45	75	9	-	6	-	0	4-6	-
18	Malin Head	1033·4	-2	N'W	4	bcjp	45	95	7	8	4	-	2-3	4-6	1500
	Aldergrove	1033·1	-8	NNW	4	bc/pr	44	85	8	2	-	-	2-3	2-3	2500
	Donaghadee	1032·3	-2	ENE	3	bc	46	75	8	9	-	-	4-6	4-6	1500
19	Birr Castle	1033·9	-16	NE	1	bc	45	65	8	7	-	-	4-6	4-6	2500
20	Valentia Obsy.	1034·0	-10	NE'E	4	bc	45	55	9	5	-	-	4-6	4-6	4000
	Roches Point	1032·9	-10	NE	3	c	45	65	9	5	-	-	7-8	7-8	2500

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

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)	1025·9	-4	N'E	3	c	42	55	6	5	-	-	9	9	4000	1	*
	Croydon	1025·3	-8	NNE	3	c	41	65	4	7	-	-	7-8	7-8	4000	1	*
	S. Farnborough	1025·8	-4	NNW	2	c	41	65	6	4	-	-	9+	9+	4000	1	*
	Winchester	1026·0	-4	N	3	c	41	65	6	5	-	-	9	9	4000	1	*
	Boscombe Down	1026·2	-6	N'E	3	bc	37	75	6	1	7	-	1	2-3	4000	1	*
	Calshot, S'thmtn	1025·4	-12	N	3	c	43	55	6	7	-	-	7-8	7-8	4000	0	1
	Dungeness	*	*	NNE	3	c	*	*	6	2	-	*	7-8	7-8	1500	*	2
	Lympne	1024·9	-6	N'E	3	c	39	65	6	5	-	-	9+	9+	4000	1	*
2	Shoeburyness	1024·9	-4	N'W	3	c	39	85	7	5	-	-	7-8	7-8	4000	0	*
	Felixstowe	1024·9	-4	NNW	4	c	39	75	8	7	-	-	9	9	4000	0	2
	Gorleston	1023·4	-10	NW	3	c	40	85	6	8	-	-	7-8	7-8	2500	0	2
	Cranwell	1025·7	-12	NW	3	c	37	85	6	4	-	-	7-8	7-8	4000	1	*
3	Birmingham	1027·4	-8	N	3	c	41	65	5	5	-	-	9	9	2500	1	*
	Upper Heyford	1026·9	-2	N'W	3	c	39	65	6	8	-	-	9	9	5700	1	*
4	Ross-on-Wye	1026·9	-10	NNE	2	c	41	65	8	5	-	-	7-8	7-8	4000	1	*
5	Portland Bill	1026·7	-20	NNE	2	bc	41	75	8	4	-	-	4-6	4-6	2500	0	2
	Plymouth	1026·8	-2	NE'N	2	b	42	65	5	4	-	-	Tr.	Tr.	4000	1	1
	The Lizard	1026·5	-8	NE	3	c	42	65	8	7	-	8	4-6	7-8	4000	0	1
	Scilly (St. Mary's)	1026·6	-10	ENE	5	c	42	75	7	8	-	-	7-8	7-8	4000	0	3
	Guernsey	1025·0	-10	NE	4	bc	42	75	6	7	-	-	4-6	4-6	2500	0	3
6	Pembroke	1029·4	-10	NE	2	bc	41	75	8	7	4	1	2-3	4-6	4000	0	1
7	Holyhead	1029·0	-10	N'W	5	bc	44	75	8	2	-	-	4-6	4-6	2500	1	2
	Chester (Sealand)	1028·7	-6	NW'N	2	c	41	75	7	5	-	-	7-8	7-8	5700	1	*
8	L'pool (Bidston)	1028·3	-8	NNW	3	bc	41	85	8	7	-	-	4-6	4-6	4000	0	*
9	Harrogate	1027·4	-6	NNE	2	c	39	75	7	8	-	-	9+	9+	4000	1	*
10	Spurn Head	1024·3	-6	NNW	6	q	40	95	7	5	7	-	4-6	9	2500	0	4
	Catterick	1027·2	-4	N	3	c	38	85	7	7	-	-	9	9	2500	0	*
	Tynemouth	1026·7	-6	NNW	3	c	40	65	7	9	-	-	7-8	7-8	1500	1	3
11	Inchkeith	1028·3	0	NW	2	c	40	75	8	4	-	-	7-8	7-8	2500	0	2
	Leuchars	1027·6	-2	N	2	c	40	55	8	8	-	1	7-8	7-8	~~1500~~ 4000	0	*
12	Renfrew	1028·5	-8	W	3	bc	40	85	8	5	-	-	2-3	2-3	4000	1	*
	Eskdalemuir	1028·0	-6	NNE	2	c	39	75	6	8	-	-	9	9	2500	1	*
13A	Tiree	1030·5	-12	NW	4	bc	43	75	8	8	7	-	4-6	4-6	1500	1	3
13B	Stornoway	1030·0	-8	-	0	c	40	85	8	8	6	-	4-6	9+	1500	1	0
15	Dalwhinnie	1029·9	-2	N	1	c	35	95	7	4	2	-	4-6	10	1500	1	*
	Aberdeen	1027·4	0	NW	3	c	37	65	8	5	-	-	9+	9+	4000	1	1
	Wick	1027·9	-4	NNW	5	c	37	75	8	8	1	-	9	10	2500	1	3
16	Lerwick	1024·8	0	NNW	4	ps	34	85	8	8	-	-	7-8	7-8	1500	0	*
17	Blacksod Point	1033·3	-10	N	2	c	44	85	9	-	7	-	0	9	-	0	3
18	Malin Head	1030·9	-14	N'W	3	bc	44	95	7	4	7	-	2-3	4-6	1500	0	1
	Aldergrove	1031·4	-6	NNW	2	bc	39	95	8	3	7	3	2-3	2-3	2500	1	*
	Donaghadee	1030·1	-6	ENE	3	bc	43	85	7	9	3	-	4-6	4-6	1500	0	3
19	Birr Castle	1031·0	-10	NE	1	c	43	75	8	5	-	-	9+	9+	2500	0	*
20	Valentia Obsy.	1031·7	-6	NE'N	4	c	43	65	9	5	-	-	7-8	7-8	4000	0	1
	Roches Point	1030·8	-6	NE	3	c	44	65	9	5	-	-	7-8	7-8	2500	0	2

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)
bfb3o	bbce3o	c3ob	bcm°x
bxmf	bfbe3oy	bm°	bm°c
ofbfbm°	bbcyc3o	c3obx	xbbcc
cmxb	bbcyc	cbcbm°x	bbcm°x
cbcm°b	bbcm°	bcbcm°	bm°cm°
bxmof	bcyc3o	cbwx	cbcx
f	bc	*	b
bm°3o	b3obcc	cm°b	bcm°
bm°	bc	bc	bcb
bm°xb3obc	bcp°qbc	cp°	bcx
bmxc	cqp°r	cprh°q	bcxps
bbc3o	bc3o	cbcc	cm°c
bbm	bbcc	cbc	bcc
cfb3o	bcym°	cm°	cbm°x
b3bcb	bcy	cbcb	bcc
bc	bcoc	bcb	bbcc
bxbc3o	bcby3o	b3ox	bx
bc	bcc	cbcb	bxbc
bcc	c	cbcb	bbc
co	ocbc	bccbc	bcc
cp°rc	cbc	bbcc	cp°rbc
bbcb	bc	bc	rc
b	bcc	bcb	bcc
bbv	bc	bc	co
bbc	bcc	cb	bbcc
bccq	qpr	qpsr	assis
bcy	ybcc	cbcb	bcc
c	civ°q	c	c
bcc	bcc	c	bc
bccy	cbcybccy	cybbx<	bcbx
bxbc	bccbcb	bbcc	cbcxm°
bcy	bcyc	bc	bcc
bccPRq	bcq	b	cid°
cpr	cbc	cm°	c
is	is	*	c
cprshy	cyps°	cp°rs	c
c	c	c	c
cps	cps°	cps, bc	bcc
bc	bcc	c	p°rbc
cp°r	bcjp	bcpr°	cp°r
bcpr	bcpr	bcb	bod°f
p°rbc	bc	bbc	bcc
cbc	bcc	cb	bbccx
bxcbcvy	bcvycv	cvbcv	bcvbxv
cv	cv	cvbc	bcx

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, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—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 1/10 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
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.

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.*

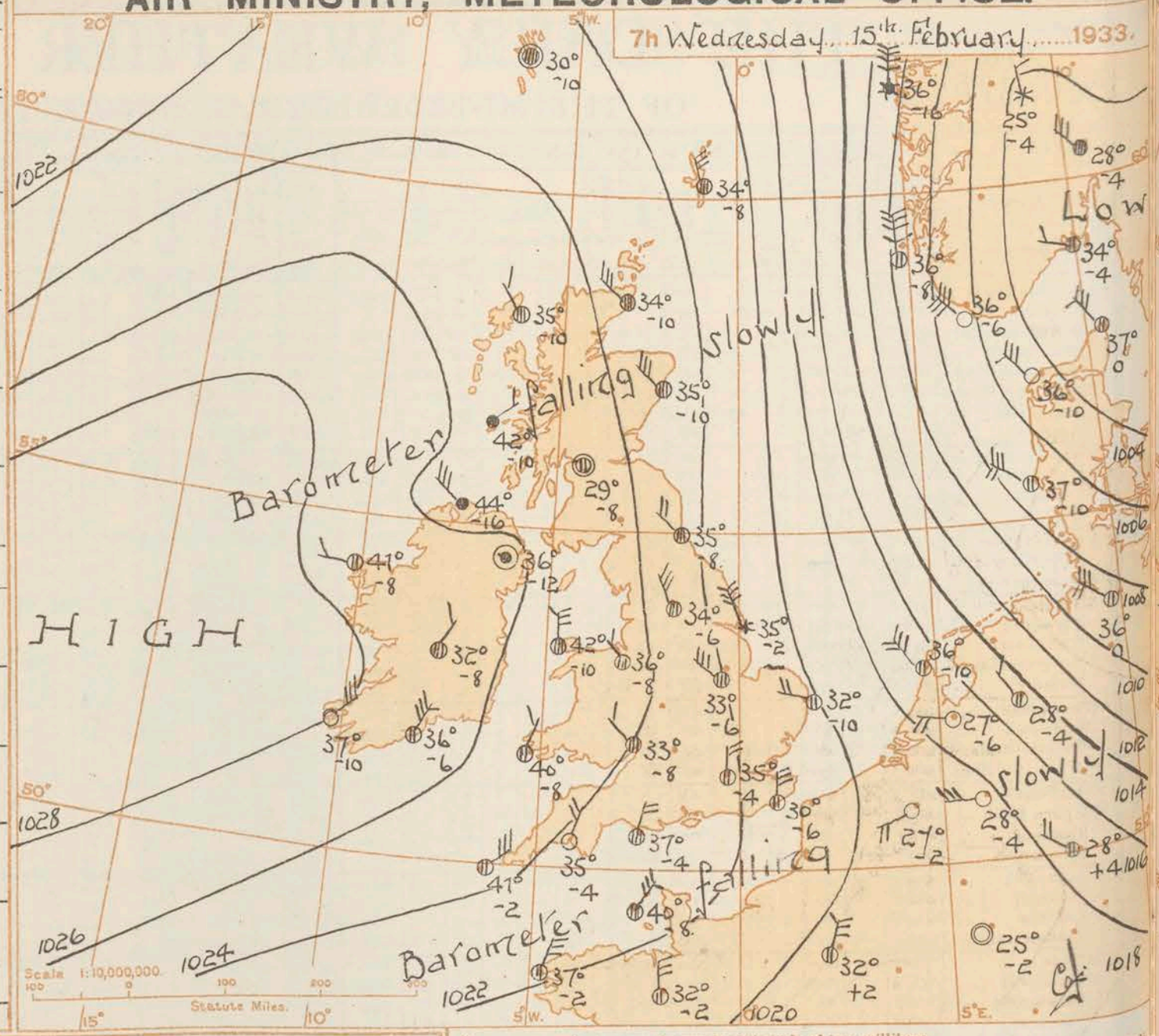
REPORTS from HEALTH RESORTS for 14th February 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 13th to 9h. 14th	Temperature. Max. 9h.—17h. 14th	Rainfall. Night. 17h. 13th to 9h. 14th	Rainfall. Day. 9h.—17h. 14th	Sunshine. Sunrise to 17h. 14th	Sunshine. Sunrise to Sunset. 13th
1	Tunbridge W.	b	bcc	22	45	-	-	6·6	5·6
	Bournemouth	cb	b	29	47	-	-	6·6	3·5
	Ventnor ...	xbz	bbcz	32	45	-	-	8·4	3·8
	Southsea ...	b	bbc	32	47	-	-	7·0	3·7
	Bognor Regis	b	b	35	46	-	-	7·4	(4·9)
	Littlehampton	b	bbc	30	47	-	-	7·5	4·5
	Worthing ...	b	b	32	46	-	-	7·1	3·6
	Brighton ...	b	bm	31	46	-	-	6·5	3·9
	Eastbourne†	b	b	31	47	-	-	7·5	4·4
	Hastings† ...	bzb	bbcb	33	43	-	-	7·7	4·1
	Folkestone ...	xb	bbc	32	45	-	-	8·1	2·1
	Dover... ...	mb	mbbcc	31	45	-	-	7·9	2·4
	Deal	b	bc	31	44	-	-	6·6	2·3
	Ramsgate ...	bcbm	bm	32	45	0·2	-	6·8	3·8
	Margate ...	bc	bc	34	43	-	-	7·1	5·2
2	Southend ...	bf	bbccm	31	47	Trace	-	7·6	7·3
	Maldon ...	xb	bbcc	28	44	-	-	7·1	7·7
	Clacton-on-Sea	bcx	bccbc	31	44	-	-	6·5	5·5
	Dovercourt ...	xb	bc	31	44	-	-	5·3	6·4
	Lowestoft ...	bbc	crbcc	29	42	-	0·2	2·6	5·0
	Skegness ...	bc	bc	33	44	-	-	2·8	7·4
	Mablethorpe	c	cp	31	43	-	-	3·5	7·9
	Cleethorpes...	bf	bcdh	33	43	-	Trace	3·2	7·4
3	Leamington S.	bbc	bcc	28	46	-	-	4·8	6·8
4	Cheltenham†	pmcbc	bccm	26	45	-	-	5·4	7·8
5	Bath	b	b	29	46	-	-	7·6	5·5
	Weymouth ...	xb	b	29	46	-	-	8·5	2·6
	Jersey ...	cz	bcb	40	45	-	-	4·0	1·2
	Torquay ...	b	b	31	46	-	-	8·6	0·7
	Penzance ...	b	bcb	33	42	-	-	7·2	0·0
	St. Ives ...	b	b	38	45	-	-	5·4	0·0
	Bude	xmb	b	25	45	-	-	7·6	1·7
	Ilfracombe ...	b	b	39	46	-	-	9·0	2·4
6	Aberystwyth	cbc	bcbbc	32	44	-	-	7·3	2·9
7	Llandudno ...	bcb	b	41	45	-	-	7·0	2·7
	Colwyn Bay...	bob	b	40	46	-	-	6·5	3·0
	Rhyl	b	bbc	40	44	-	-	8·6	4·8
8	Wallasey ...	b	bbc	38	43	Trace	-	8·7	8·0
	Southport‖ ...	b	bbcb	34	45	-	-	8·0	8·3
	Blackpool ...	bcb	bcc	37	44	-	-	7·7	8·0
	Morecambe ...	cbbc	b	~~39~~ 29	45	-	-	5·5	8·2
9	Ilkley	b	b	31	47	-	-	4·2	8·6
10	Berwick-on-T.	c	c	35	43	-	-	0·8	6·9
11	Dunbar ...	bc	bc	35	42	-	-	0·9	6·0
12	Troon... ...	cbc	bcbc	39	47	Trace	-	8·5	5·1
	Douglas ...	xbc	bc	38	45	0·3	-	8·7	5·1

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Wednesday 15th February 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 15th.Feb.1933.
1. S.E. England 2. E. England...	Moderate northerly wind, fresh locally; mainly cloudy; local showers of sleet or snow, particularly near East Coast; rather cold.
3. E. Midlands 4. W. Midlands	Moderate northerly wind; mainly cloudy; perhaps showers of rain or sleet; rather cold.
5. S.W. England 6. South Wales	Light or moderate north or northeast wind; fresh locally on coast; variable cloud; rather cold.
7. North Wales 8. N.W. England	Light or moderate northerly wind; mainly cloudy; local showers; rather low or moderate temperature.
9. N. Midlands 10. N.E. England	As 12 - 13.
11. S.E. Scotland	As 1 - 2.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland.	Light or moderate northwest wind; mainly cloudy; perhaps occasional local rain; moderate temperature.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate north or northwest wind; cloudy; showers of rain or sleet; rather cold.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light or moderate northeast wind; mainly cloudy; rather low or moderate temperature.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. 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 3/10 to 7/10 clouded. ◕Sky 7/10 to 9/10 clouded. ●Overcast sky. ●Rain falling. ✳Snow. ✳Sleet. ▲Hail. ≡Fog. ≡Mist. TThunder. KThunderstorm.
SEA DISTURBANCE.~~Rough.~~High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

An anticyclone centred off West Ireland continues to decrease in intensity. Weather will be rather cold, except in the extreme West. Occasional showers are probable in many districts, with sleet or snow near the East Coast, but conditions will be mainly dry in Southern England.

FURTHER OUTLOOK.

Probably less settled.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

Forecasts issued at 1005 G.M.T.

H.M. Stationery Office Press, Kingsway WC2.

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

Morning of
Wednesday,
15TH FEBRUARY,
1933.

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 the wind. Number of feathers indicate Beaufort Force.
⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 15th February 1933.

No. 26018

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

District	Stations	Height above M.S.L. in feet.	Barom. mb. at M.S.L. (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	1024.6	-2	N	2	bc	38	78	6	-	4	-	0	2-3	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1025.1	-2	NW'N	3	c	38	88	6	5	-	-	7-8	7-8	4000
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1023.7	-4	N'W	3	bc	32	95	7	5	-	-	2-3	2-3	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1022.2	-6	NW'W	2	bc	36	95	7	8	3	-	2-3	4-6	2500
	Cranwell	240	1024.7	-8	NW	3	c	34	85	6	5	-	-	9+	9+	4000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1025.3	-4	NNE	2	b	36	85	7	-	-	-	0	0	-
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	222	1026.1	0	NE'N	3	b	36	75	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	1026.2	0	ENE	5	b	42	75	8	7	-	-	1	1	4000
	Guernsey	175	1023.8	-6	NE	5	bc	42	65	7	8	-	-	4-6	4-6	2500
6	Pembroke	142	1026.5	-4	NNE	2	c	39	85	7	5	-	-	9+	9+	2500
7	Holyhead	26	1026.8	-8	N	5	pr	43	85	8	3	-	-	7-8	7-8	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1022.8	-2	NW	6	rs	34	95	6	3	2	-	7-8	10	1500
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	67	1024.8	-12	NNW	3	c	36	75	7	9	-	-	7-8	7-8	1500
11	Inchkeith	190	1027.1	-4	NNW	2	c	36	65	8	4	-	-	7-8	7-8	4000
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	784	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1027.3	-12	-	0	c	37	95	8	8	6	-	7-8	9	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1025.4	-6	NW	4	c	36	85	8	8	1	-	4-6	7-8	2500
16	Lerwick	54	1022.4	-4	NNW	2	bc	33	85	8	3	-	-	2-3	2-3	1500
17	Blacksod Point	18	1030.6	-6	W	1	cjp	42	95	8	5	-	-	9	9	450
18	Malin Head	52	1028.6	-8	N'W	2	c	44	95	7	8	7	-	7-8	9	1500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1030.3	-6	NE	3	b	39	85	8	-	4	-	0	Tr	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1022.3	-6	N'W	3	c	35	75	5	5	-	-	9	9	4000	4	*
	Croydon	1022.5	-4	N	2	c	35	75	5	5	3	-	4-6	9+	4000	1	*
	S. Farnborough	1022.7	-6	NW	1	c	32	85	6	5	-	-	9+	9+	4000	4	*
	Winchester	1023.0	-6	NNW	3	bc	30	85	6	5	-	-	4-6	4-6	4000	4	*
	Boscombe Down	1023.5	-4	NNW	1	c	32	95	6	5	-	-	9+	9+	2500	4	*
	Calshot (S'thmtn)	1022.8	-8	NW'N	3	bc	35	75	6	5	-	-	2-3	2-3	4000	0	1
	Dungeness	*	*	NNW	2	bc	*	*	6	5	-	*	4-6	4-6	1500	*	1
	Lympne	1022.0	-6	N'W	3	bc	30	95	6	5	-	-	4-6	4-6	7200	4	*
2	Shoeburyness	1021.6	-6	NW	3	bc	32	95	7	5	3	-	1	2-3	7200	0	*
	Felixstowe	1021.6	-8	NNW	3	bc	32	95	7	5	3	-	2-3	2-3	4000	0	1
	Gorleston	1020.4	-10	W'N	2	bc/s	32	95	6	9	-	-	4-6	4-6	1500	6	2
	Cranwell	1022.6	-6	NW'W	3	c	33	85	7	5	7	-	9	9+	5700	0	*
3	Birmingham	1023.9	-6	NNW	3	c	33	85	5	5	-	-	9	9	2500	1	*
	Upper Heyford	1023.6	-10	N	2	bc	29	85	6	-	3	-	0	2-3	-	4	*
4	Ross-on-Wye	1023.7	-8	NW	1	c	33	95	6	5	-	-	9+	9+	4000	1	*
5	Portland Bill	1023.1	-4	NNE	2	c	37	85	6	4	-	-	10	10	1500	0	2
	Plymouth	1023.9	-8	NE	2	b	35	75	8	5	-	-	Tr.	Tr.	4000	4	0
	The Lizard	1024.4	-4	NNE	3	b	35	75	8	2	-	-	Tr.	Tr.	5700	4	1
	Scilly (St. Mary's)	1024.6	-2	NE'E	3	bc	41	75	8	2	-	-	4-6	4-6	4000	0	2
	Guernsey	1022.2	-8	NE	4	c	40	65	8	8	-	-	7-8	7-8	2500	0	4
6	Pembroke	1025.2	-8	NE	1	bc	40	95	8	4	7	-	2-3	4-6	4000	1	0
7	Holyhead	1024.5	-10	N	4	c	42	75	8	8	-	-	9+	9+	2500	1	2
	Chester (Sealand)	1024.8	-8	WNW	1	c	36	75	7	5	-	-	9+	9+	4000	1	*
8	L'pool (Bidston)	1024.5	-4	NE	2	o	36	65	7	5	-	-	10	10	2500	0	*
9	Harrogate	1023.6	-6	NNW	3	c	34	75	8	5	-	-	9	9	4000	4	*
10	Spurn Head	1020.7	-2	NW'N	6	is.	35	95	7	3	6	-	4-6	7-8	1500	6	4
	Catterick	1023.8	-6	NW	3	c	35	65	7	5	-	-	7-8	7-8	4000	0	*
	Tynemouth	1022.9	-8	NW	2	c	35	75	7	6	-	-	7-8	7-8	1500	1	3
11	Inchkeith	1025.1	-8	N	1	bc	35	65	8	5	4	-	4-6	4-6	2500	0	1
	Leuchars	1023.9	-4	W	1	bc	29	85	8	5	-	-	2-3	2-3	4000	4	*
12	Renfrew	1025.3	-8	-	0	bc	29	95	6	5	-	8	2-3	4-6	4000	4	*
	Eskdalemuir	1024.9	-12	N'E	1	c	31	75	7	5	-	-	9	9	2500	4	*
13A	Tiree	1025.7	-12	NNE	1	id.	42	85	9	5	-	-	9+	9+	1500	1	3
13B	Stornoway	1025.1	-10	NW	1	c	35	95	8	8	7	-	4-6	7-8	1500	1	0
15	Dalwhinnie	1025.7	-12	N	1	c	32	95	8	4	2	-	4-6	10	2500	4	*
	Aberdeen	1023.1	-10	NW	3	c	35	75	8	8	-	-	9	9	2500	1	1
	Wick	1023.4	-10	NW	3	c	34	75	8	8	1	8	7-8	9	2500	1	3
16	Lerwick	1021.0	-8	NNW	3	c	34	85	8	5	1	-	7-8	9	1500	4	*
17	Blacksod Point	1027.9	-8	W	1	bc	41	95	8	4	-	-	4-6	4-6	800	0	2
18	Malin Head	1025.1	-16	NW	3	pr	44	95	7	8	7	-	9	9+	1500	1	1
	Aldergrove	1026.3	-12	-	0	drf°	36	95	3	5	-	-	10	10	<150	1	*
	Donaghadee	1025.4	-8	N	2	c	42	75	7	5	-	-	7-8	7-8	1500	0	2
19	Birr Castle	1027.7	-8	NE	1	c	32	95	8	5	-	-	9+	9+	2500	4	*
20	Valentia Obsy.†	1028.0	-10	NE	3	b	37	85	9	5	-	-	1	1	4000	0	1
	Roches Point	1027.4	-6	NE	4	bc	36	95	8	5	-	-	2-3	2-3	2500	0	2

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 14* Hrs. (36)
1	London (Kew)	45	29	22	-	-	4.9
	Croydon	44	33	30	-	-	2.2
	S. Farnborough	47	28	18	-	-	~~2.5~~ 5
	Winchester	45	29	22	Tr.	-	6.0
	Boscombe Down	43	29	26	-	-	7.1
	Calshot (S'thmtn)	46	32	24	-	-	5.9
	Dungeness	46	25	*	-	-	*
	Lympne	43	30	27	-	-	7.1
2	Shoeburyness	46	31	28	-	-	6.3
	Felixstowe	45	31	27	Tr.	0.1	5.4
	Gorleston	42	31	30	0.2	1	2.4
	Cranwell	45	33	30	-	-	5.8
3	Birmingham	44	33	28	-	-	5.5
	Upper Heyford	45	29	24	-	-	*
4	Ross-on-Wye	45	31	20	-	-	7.9
5	Portland Bill	45	36	*	-	-	*
	Plymouth	45	33	25	-	-	8.6
	The Lizard	44	34	*	-	-	*
	Scilly (St. Mary's)	45	40	*	-	-	2.7
	Guernsey	45	40	34	-	-	3.6
6	Pembroke	48	37	*	-	Tr.	5.8
7	Holyhead	45	41	37	-	1	7.9
	Chester (Sealand)	45	34	29	-	-	7.5
8	L'pool (Bidston)	42	36	33	-	-	8.4
9	Harrogate	44	34	28	-	-	3.3
10	Spurn Head	43	32	*	Tr.	3	3.4
	Catterick	44	35	31	-	-	3.5
	Tynemouth	44	35	33	0.1	-	*
11	Inchkeith	45	35	26	-	-	2.2
	Leuchars	44	28	19	-	-	2.9
12	Renfrew	47	28	19	-	-	4.3
	Eskdalemuir	42	28	*	-	-	3.0
13A	Tiree	45	42	38	1	Tr.	3.4
13B	Stornoway	45	35	*	1	-	1.7
15	Dalwhinnie	38	27	25	2	-	1.4
	Aberdeen	41	35	33	Tr.	Tr.	1.4
	Wick	39	33	*	-	-	*
16	Lerwick	35	31	*	Tr.	Tr.	0.9
17	Blacksod Point	46	37	*	-	Tr.	*
18	Malin Head	45	42	*	Tr.	Tr.	6.6
	Aldergrove	45	30	22	0.5	0.3	3.8
	Donaghadee	46	40	*	0.2	-	*
19	Birr Castle	46	28	16	-	-	4.0
20	Valentia Obsy.†	46	34	*	Tr.	-	3.6
	Roches Point	46	35	*	-	-	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 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	bf b3o	bbcc3o	c3,bc×	45	29	22	-	-	4.9	*	*	5
Croydon	217	bm nf	bfbc3o y	bm,c	44	33	30	-	-	2.2	*	*	4
Greenwich (Royal Observatory)	149	b3	bcy3	cbc	45	33	27	-	-	3.8	53	79	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	5.0	*	*	*
Westminster (St. James' Park)	27	*	*	*	47	33	28	-		4.3	39	71	*
‡Regents Pk. (Botanic Gardens)	163	*	*	*	46	33	27	-		5.0	54	75	*
Camden Square	110	xb	bc	*	46	34	28	-	-	*	*	79	*
Kensington	80	b3	bcc	*	46	34	25	-	-	5.3	At 18h. 54	77	*
Hampstead Observatory	460	b	bc	*	44	31	21	-	-	6.2	*	69	*

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 14th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 15th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1022.5	NNE	3	bc	41	1019.9	NE	4	bc	32
Brussels	1021.0	NW	4	o	37	1019.6	WSW	2	b	27
Berlin	1007.2	NNW	3	ss	30	1006.8	W	3	c	28
Zurich	1019.4	ENE	2	c	37	1016.6	NE	3	is.	30
Rome	1012.7	W	2	b	43	1015.4	NNE	2	b	30

Past 24 Hours.

Stations	Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
Paris	45	32	-	-
Brussels	43	*	Tr.	*
Berlin	36	25	2	2
Zurich	45	28	-	Tr.
Rome	55	30	-	-

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
2.0	9h.14th	Nil	0-6h. 15th.

Kew Observatory. Max.	Time.	Min.	Time.
0.9	9h.14th	0.1	4h. 15th

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.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T station. ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 16th. February 1933.

No. 26019

Division	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 15th. 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)	1020·8	-6	ZZ	4	c	41	55	6	7	-	-	7-8	7-8	4000
	Croydon	1020·7	-12	ZZ	3	bc	39	55	5	4-6	-	-	4-6	4-6	4000
	S. Farnborough	1020·9	-14	ZZE	3	bc	41	55	7	2	3	-	4-6	4-6	4000
	Winchester	1021·2	-14	ZZE	4	bc	39	65	7	-	-	-	2-3	2-3	4000
	Boscombe Down	1021·5	-16	ZNE	4	c	39	55	7	7-8	-	-	7-8	7-8	4000
	Calshot, S'thmtn	1021·1	-14	Z	4	bc	42	55	7	-	3	-	2-3	2-3	2500
	Dungeness	*	*	ZNE	3	bc	*	*	8	7-8	-	*	7-8	7-8	800
	Lympne	1020·2	-14	Z	4	bc	39	55	7	2	-	-	4-6	4-6	4000
2	Shoeburyness	1020·3	-8	NE	3	c	42	65	8	-	-	-	7-8	7-8	2500
	Felixstowe	1020·3	-8	NNE	4	bc	41	65	8	-	-	-	4-6	4-6	2500
	Gorleston	1019·8	-4	NNE	3	bc	40	85	6	-	-	-	4-6	4-6	1500
	Cranwell	1021·7	-8	NE	4	c	38	65	7	5	-	-	9	9	4000
3	Birmingham	1022·4	-8	Z	3	bc	39	45	6	-	-	-	2-3	2-3	2500
	Upper Heyford	1021·9	-14	ZE	3	bc	39	65	6	-	3	-	0	2-3	-
4	Ross-on-Wye	1022·4	-10	ZE	4	bc	40	55	8	-	-	-	2-3	2-3	4000
5	Portland Bill	1021·1	-10	ZE	3	c	42	65	7	4	4	-	4-6	7-8	2500
	Plymouth	1022·5	-12	ZNE	3	c	42	65	7	5	-	-	9+	9+	4000
	The Lizard	1022·9	-6	ZE	3	c	45	65	8	4	6	-	4-6	7-8	4000
	Scilly (St. Mary's)	1023·2	-8	ENE	3	c	45	85	8	9	-	-	9	9	2500
	Guernsey	1021·0	-14	ZE	3	c	41	65	7	8	-	-	9+	9+	2500
6	Pembroke	1023·3	-12	ZE	2	c	45	75	7	5	7	-	4-6	7-8	2500
7	Holyhead	1023·3	-10	Z	3	bc	44	75	8	5	-	-	4-6	4-6	2500
	Chester (Sealand)	1023·9	-10	ZE	2	bc	41	55	6	-	-	-	4-6	4-6	5700
8	L'pool (Bidston)	1023·5	-10	Z	2	bc	40	55	7	-	-	-	4-6	4-6	2500
9	Harrogate	1022·4	0	NNW	3	bc	38	55	8	-	3	-	0	4-6	-
10	Spurn Head	1020·5	-2	NNW	4	rs	36	85	8	3	3	-	4-6	7-8	1500
	Catterick	1022·6	-6	NNW	4	bc	40	55	8	4	3	-	4-6	7-8	4000
	Tynemouth	1021·9	-4	NNW	3	c	38	65	7	9	-	-	9	9	1500
11	Inchkeith	1023·7	-4	NNW	1	bc	39	55	8	1	-	-	4-6	4-6	4000
	Leuchars	1023·0	-8	W	1	bc	41	45	8	1	4	-	1	2-3	4000
12	Renfrew	1023·8	-10	W	1	b	46	55	7	7	-	-	Tr.	Tr.	4000
	Eskdalemuir	1023·3	-8	N	4	bc	38	55	8	8	-	-	4-6	4-6	4000
13A	Tiree	1024·7	-6	SW	1	c	46	65	9	5	3	9	1	7-8	2500
13B	Stornoway	1023·5	-8	SW	1	c	42	85	9	5	7	-	7-8	10	1500
15	Dalwhinnie	*	-2	N	1	c	37	95	8	4	4	-	4-6	10	2500
	Aberdeen	1022·2	-4	NW	4	bc	33	55	8	8	-	-	4-6	4-6	4000
	Wick	1022·7	-8	NW	3	c	39	75	8	8	7	8	7-8	9+	2500
16	Lerwick	1020·0	-6	NW	3	c	37	65	8	5	-	-	7-8	7-8	1500
17	Blacksod Point	1027·4	-6	W	2	bc	48	85	9	4	4	-	2-3	4-6	800
18	Malin Head	1024·9	0	ENE	1	c	44	95	9	4	8	-	2-3	9	2500
	Aldergrove	1025·2	-6	NW	2	c	42	95	8	5	-	-	7-8	7-8	1500
	Donaghadee	1025·6	-6	NE	3	c	46	75	8	9	-	-	7-8	7-8	1500
19	Birr Castle	1026·1	-8	NW	3	cr	43	95	7	6	1	-	2-3	10	1500
20	Valentia Obsy.	1027·7	-6	NE	3	bc	45	65	9	7	-	1	2-3	2-3	1500
	Roches Point	1025·8	-6	N	4	c	45	85	8	5	-	-	7-8	7-8	2500

Division	Stations.	OBSERVATIONS at 18h. G.M.T. 15th. 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)	1020·6	0	Z	3	bc	37	65	5	5	-	-	4-6	4-6	4000	1	*
	Croydon	1020·1	+2	Z	4	c	38	55	5	7	-	-	4-6	9+	4000	1	*
	S. Farnborough	1020·6	+6	Z	2	b	37	65	6	5	-	-	Tr.	Tr.	5700	1	*
	Winchester	1020·9	+4	Z	2	c	35	75	6	5	-	-	7-8	7-8	4000	1	*
	Boscombe Down	1021·0	+4	ZNE	2	bc	34	65	6	5	-	-	4-6	4-6	4000	1	*
	Calshot, S'thmtn	1020·3	+2	Z	3	c	38	65	6	5	-	-	7-8	7-8	4000	0	1
	Dungeness	*	*	Z	2	c	*	*	7	4	8	-	7-8	7-8	800	*	2
	Lympne	1019·7	-2	Z	3	b/ps	35	85	8	8	-	-	1	1	2500	1	*
2	Shoeburyness	1019·7	0	Z	2	bc	32	95	7	5	-	-	4-6	4-6	4000	0	*
	Felixstowe	1019·1	-2	ZE	3	bc	34	95	7	5	-	-	4-6	4-6	2500	1	1
	Gorleston	1018·5	0	ZE	3	bc	37	85	7	9	-	-	4-6	4-6	1500	1	2
	Cranwell	1021·6	+2	NE	3	c	35	75	7	5	-	-	9	9	5700	0	*
3	Birmingham	1022·3	+2	NNE	3	b	35	65	5	-	3	-	0	Tr.	-	1	*
	Upper Heyford	1021·8	+6	N	2	c	36	75	5	-	3	-	0	9+	-	1	*
4	Ross-on-Wye	1021·8	0	N	3	b	36	65	6	5	-	1	Tr.	1	4000	1	*
5	Portland Bill	1020·5	-4	ZE	3	c	37	85	6	4	-	-	7-8	7-8	1500	0	2
	Plymouth	1021·3	+2	NE	4	bc	41	55	5	7	-	-	4-6	4-6	4000	1	1
	The Lizard	1021·8	0	NNE	3	c	40	75	8	4	-	-	9	9	4000	0	2
	Scilly (St. Mary's)	1022·5	0	NNE	4	pr.	43	95	8	8	-	-	7-8	7-8	2500	1	2
	Guernsey	1019·9	-2	NE	3	c	40	65	7	8	-	-	10	10	2500	0	3
6	Pembroke	1023·8	+2	NNE	2	c	42	85	8	5	7	-	4-6	7-8	2500	0	1
7	Holyhead	1022·8	-2	N	4	c	43	75	8	4	-	-	7-8	7-8	2500	1	1
	Chester (Sealand)	1023·2	+4	NNE	2	bc	34	75	6	5	-	-	4-6	4-6	4000	1	*
8	L'pool (Bidston)	1022·9	-2	NNE	1	bc	37	75	8	7	-	8	2-3	4-6	4000	0	*
9	Harrogate	1022·4	0	NNE	1	b	33	65	7	-	4	-	0	Tr.	-	1	*
10	Spurn Head	1019·4	-2	NNE	1	pr.	37	95	7	6	2	-	4-6	9+	1500	6	4
	Catterick	1022·5	+8	NNE	2	b	34	65	7	4	-	-	Tr.	Tr.	4000	0	*
	Tynemouth	1022·6	+8	NNW	3	bc	37	65	6	2	-	-	2-3	2-3	2500	1	3
11	Inchkeith	1022·8	-4	ESE	1	bc	38	65	8	5	4	-	2-3	2-3	2500	0	1
	Leuchars	1021·9	-2	-	0	bc	34	75	6	4	5	-	Tr.	4-6	1500	1	*
12	Renfrew	1023·0	+2	W	1	b	38	85	6	4	-	-	Tr.	Tr.	5700	1	*
	Eskdalemuir	1022·8	+2	NNW	1	bc	31	75	8	5	-	-	2-3	2-3	4000	1	*
13A	Tiree	1023·7	-6	WSW	2	bc	42	95	8	5	4	18	Tr.	2-3	2500	0	2
13B	Stornoway	1021·6	-4	W	1	c	43	95	8	8	6	9	4-6	7-8	1500	1	0
15	Dalwhinnie	*	-4	-	0	c	37	95	8	4	4	-	4-6	10	1500	0	*
	Aberdeen	1022·0	+2	NW	2	c	36	65	8	5	-	-	7-8	7-8	4000	1	1
	Wick	1021·4	-4	NW	3	c	40	85	8	8	-	-	7-8	9+	2500	0	2
16	Lerwick	1019·4	0	NW	3	bc	35	75	8	5	-	-	2-3	2-3	1500	4	*
17	Blacksod Point	1025·8	-6	W	2	bc	45	95	9	5	-	-	4-6	4-6	800	0	2
18	Malin Head	1023·9	-2	W'S	2	c	42	95	9	4	-	7	Tr.	10	2500	0	1
	Aldergrove	1024·6	-2	NW	1	b	40	85	8	8	-	-	1	1	1500	1	*
	Donaghadee	1024·2	0	NW	2	bc	42	85	8	-	-	8	0	2-3	-	0	1
19	Birr Castle	1025·0	0	NW	2	c	44	85	8	5	-	-	9+	9+	2500	1	*
20	Valentia Obsy.	1026·8	+2	NE	3	c/pr	44	85	9	5	-	-	7-8	7-8	1500	0	1
	Roches Point	1024·4	+2	N	4	c/pr	46	85	9	5	-	-	7-8	7-8	1500	0	2

Division	Stations.	PAST 24 HOURS. Weather. 7h.–13h. ...15th.... (37)	13h.–18h. ...15th.... (38)	18h. 15th. to 1h. 16th. (39)	1h.–7h. ...16th.... (40)
1	London (Kew)	bcz3	cps3bcz3	bbc	bccmo
	Croydon	b34	ps3cz3	cmobmc	bccmo
	S. Farnborough	xcmobc	bcyps	bcbxc	cmo
	Winchester	bcmo	bcyc	bcbmox	bcmox
	Boscombe Down	cmobc	bcyz3	bcbmox	bmox
	Calshot, S'thmtn	bcxmo	cz3	bmox	bxcmo
	Dungeness	bc	bc	*	bc
	Lympne	xbcy	bcyps	b	bnio
2	Shoeburyness	bmobc	bc	bc	bcc
	Felixstowe	bbc	bcpsprs	bc	bccps
	Gorleston	bcps	bcps	bcxps	cphox
	Cranwell	cis,c	c	cz3	cz3mo
3	Birmingham	bc	bcb	b	bm
	Upper Heyford	cbz3	cz3	cmo	bcmo
4	Ross-on-Wye	cbcbbc	bcybz3	bz3	bz3ox
5	Portland Bill	c	bc	bcz3	bcbcz3
	Plymouth	bxcm	cbcyz3	bz3bx	bbz3ox
	The Lizard	bcc	cbcc	cbx	bbcx
	Scilly (St. Mary's)	bccpo	cbcpo	cbcpc	cbcb
	Guernsey	cbcc	cbcc	cbc	bc
6	Pembroke	bcmoc	cprsc	bcb	bbcx
7	Holyhead	cbc	bc	bcbw	bwc
	Chester (Sealand)	cz3bcz3	bcym	bxmo	bxm
8	L'pool (Bidston)	cybcy	bcybc	bcb	cxbcc
9	Harrogate	cbc	bcb	b	bbccx
10	Spurn Head	qpsr	qprs	qpsc	bc
	Catterick	bcc	bcyb	bbcc	c
	Tynemouth	c	cbo	bcobc	bcc
11	Inchkeith	bc	bc	bcmo	cmomo
	Leuchars	bxmobcy	bybcmo	bccb	cmo
12	Renfrew	bcfxb	b	bbcmo	bccmo
	Eskdalemuir	cbcy	by	bx	bxcx
13A	Tiree	cido	bc	bbcw	prPR
13B	Stornoway	cpro	c	c	cprot
15	Dalwhinnie	c	c	*	c
	Aberdeen	cbcy	bcyc	coir	rrcuim
	Wick	c	c	corr	orro
16	Lerwick	c	cbc	bcc	cir
17	Blacksod Point	prb	cbc	prbc	prc
18	Malin Head	^cpro	cbc	bcpr	bcpr
	Aldergrove	odtrsfo	bcwb	b	boFFe
	Donaghadee	c	cbcb	bbc	bcc
19	Birr Castle	crncrn	crc	c	crc
20	Valentia Obsy.	bxbco	bcebcwpc	b	bwcw
	Roches Point	bcc	cpcw	cvbc	bc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—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 $\frac{1}{10}$ 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.

(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

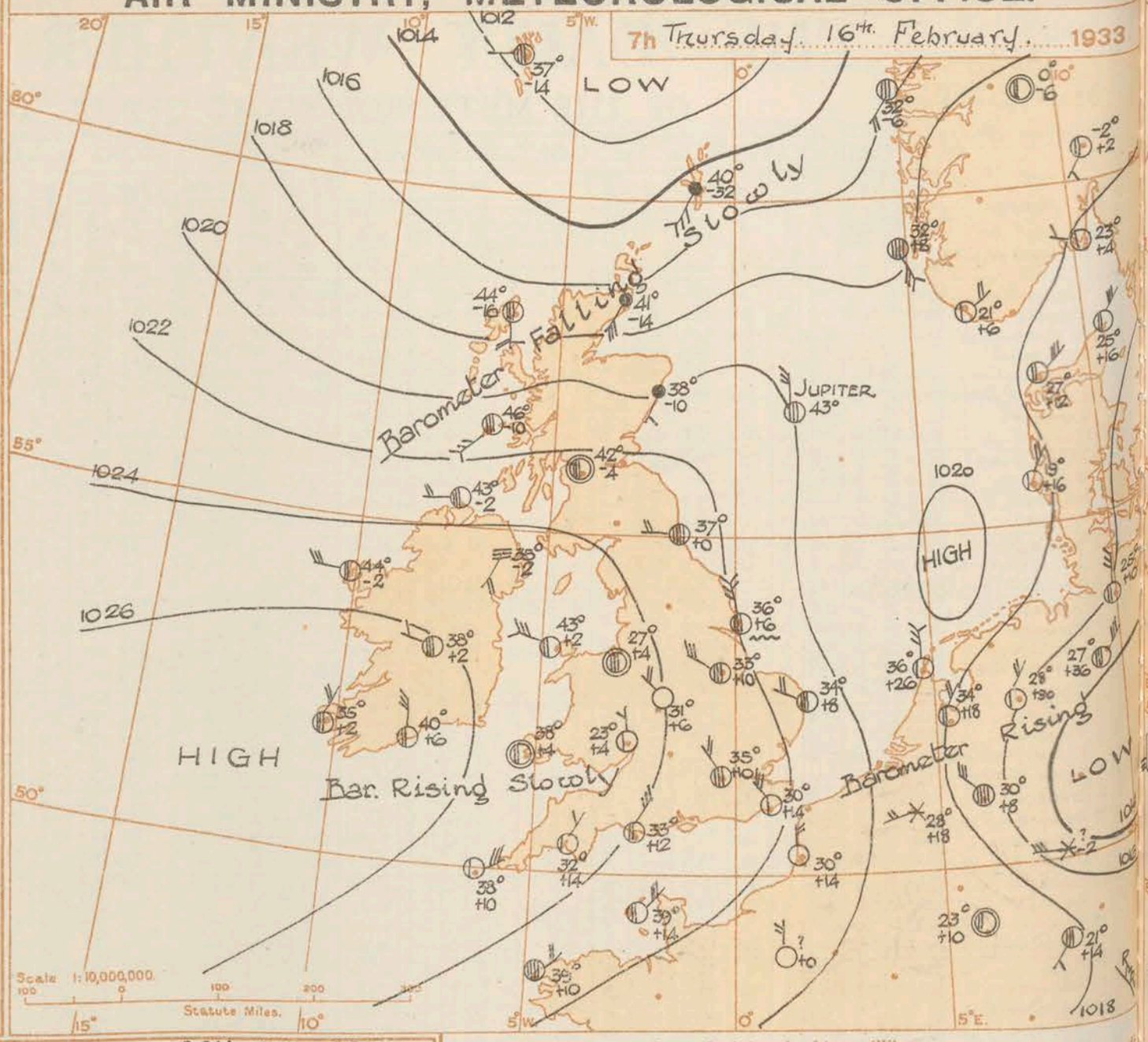
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

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.*

REPORTS from HEALTH RESORTS for Wednesday 15th Feb. 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 14th to 9h. 15th.	Temperature. Max. 9h.—17h. 15th.	Rainfall. Night. 17h. 14th to 9h. 15th.	Rainfall. Day. 9h.—17h. 15th.	Sunshine. Sunrise to 17h. 15th.	Sunshine. Sunrise to Sunset. 14th.
1	Tunbridge W.	cbc	bc	27	40	-	-	3·5	6·6
	Bournemouth	cb	b	31	43	-	-	6·8	6·6
	Ventnor ...	xbc b3	bbc3	33	42	-	-	5·5	8·4
	Southsea ...	bcb	bbc	32	43	-	-	4·5	7·0
	Bognor Regis	cb	b	34	42	-	-	4·7	7·4
	Littlehampton	bc	bc	29	44	-	-	4·1	7·5
	Worthing ...	cbc	bcc	33	42	-	-	3·5	7·1
	Brighton ...	bcups	bcpsbc	32	42	-	Trace	3·1	6·5
	Eastbourne†	cbcc	cbcc	33	43	-	-	4·8	7·5
	Hastings† ...	bcc	cbc	33	39	-	-	6·1	7·7
	Folkestone ...	b	bcs	37	42	-	Trace	7·4	8·1
	Dover... ...	bcc	cbbc	31	45	-	-	6·9	7·9
	Deal	b	bbc	31	41	-	-	6·0	6·6
	Ramsgate ...	b	bbc	34	41	Trace	-	7·1	6·8
	Margate ...	bc	bc	35	40	-	-	7·0	7·1
2	Southend ...	bm	bcpsm	32	42	Trace	Trace	6·2	7·6
	Maldon ...	b	bbcc	33	41	-	-	5·4	7·1
	Clacton-on-Sea	bcx	bccbc	33	41	-	-	7·4	6·5
	Dovercourt ...	xb	bcqs	32	42	-	Trace	6·7	5·3
	Lowestoft ...	bcpsh	pshb	30	41	2	1	6·0	2·6
	Skegness ...	sobc	bcosm	32	40	1	Trace	3·5	2·8
	Mablethorpe	csm	crs	32	39	2	0·5	3·1	3·5
	Cleethorpes...	cis	cisir	32	39	1	3	3·1	3·2
3	Leamington S.	b	bcc	31	42	-	-	5·7	4·8
4	Cheltenham†	cmbcc	cf	30	39	-	-	2·3	5·4
5	Bath	cbcb	bbc	29	42	-	-	4·9	7·6
	Weymouth ...	b	b	30	44	-	-	7·0	8·5
	Jersey ...	bc	bc	38	45	-	-	4·7	4·0
	Torquay ...	cwm	bcb	31	44	-	-	5·5	8·6
	Penzance ...	bc	cbpbc	33	47	-	Trace	2·7	7·2
	St. Ives ...	c	c	38	45	-	-	0·7	5·4
	Bude	xbcc	cbc	26	44	-	-	3·3	7·6
	Ilfracombe ...	bcc	cbcb	33	45	-	-	3·6	9·0
6	Aberystwyth	bcc	cbc	30	42	-	-	3·9	7·7
7	Llandudno ...	cbc	b	38	45	-	-	4·8	7·0
	Colwyn Bay...	cb	b	35	44	-	-	4·3	6·5
	Rhyl	cbc	bcb	35	43	-	-	4·6	8·6
8	Wallasey ...	cbc	bcb	34	41	-	-	3·3	8·7
	Southport‖ ...	oc	cbcb	33	41	-	-	5·2	8·0
	Blackpool ...	cbc	bcc	33	41	-	-	4·2	7·7
	Morecambe ...	cbbc	b	31	43	-	-	5·7	5·5
9	Ilkley... ...	b	b	29	42	-	-	5·0	4·2
10	Berwick-on-T.	cbc	bccbc	36	40	-	-	4·6	0·8
11	Dunbar ...	bc	bc	32	40	-	-	6·6	0·9
12	Troon... ...	xmbcc	bcv	33	45	-	-	7·4	8·5
	Douglas ...	xbc	bc	35	44	-	-	7·4	8·7

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



FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 16th Feb, 1933.

Districts.	
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light northerly to variable wind; mainly fair; rather cold; frost inland tonight.
7. North Wales 8. N.W. England	Light west wind; fair at first, slight rain later, especially near coast and on high ground; moderate temperature
9. N. Midlands 10. N.E. England	As 1 - 6.
11. S.E. Scotland	Light west wind; fair today; slight rain followed by showers tomorrow; moderate temperature.
12. S.W. Scotland & Isle of Man	
13. A. W. Scotld. B. N.W. Scotland.	Light west wind; veering and increasing later; fair periods and slight showers; becoming colder.
14. Mid-Scotland 15. N.E. Scotland	
16. Orkneys and Shetlands.	Moderate northwest wind; cloudy with slight showers; rather cold.
17. N.W. Ireland 18. N.E. Ireland	Light west wind; cloudy with occasional showers; moderate temperature.
19. S.E. Ireland 20. S.W. Ireland	Light variable wind; mainly fair, cold inland tonight.

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

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. 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 3/10 to 7/10 clouded. ◕Sky 7/10 to 9/10 clouded. ●Overcast sky. ●Rain falling. ✳Snow. ✳Sleet ▲Hail ≡Fog ≡Mist. ϒThunder. ⊼Thunderstorm.
SEA DISTURBANCE. ~~Rough. ≈≈High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

The centre of the anticyclone is moving to a position off the Southwest of the British Isles, while pressure is falling in Scotland. Slight showers will occur in Scotland, the northern districts of Ireland and Northern England and Wales; elsewhere the weather will be mainly fair.

FURTHER OUTLOOK.

Quiet weather with local fog in southern districts; rather unsettled in Scotland.

Forecasts issued at 1000 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

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

Morning of
Thursday,
16TH FEBRUARY,
1933.

Clarke'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 the wind. Number of feathers indicate Beaufort Force.
⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 16th February 1933.

No. 26019

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

District.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1021.7	+8	N'W	2	c	35	65	7	-	4	-	0	7-8	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1022.0	+10	N'W	4	b	34	75	6	-	-	-	0	0	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1020.8	+6	N	4	b	32	95	7	S	-	-	1	1	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1020.1	+10	W	2	c	32	95	7	9	-	-	9	9	1500
	Cranwell ...	240	1022.2	+4	NW'W	3	c	33	75	6	S	7	-	9	9+	4000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1023.1	+8	NNE	3	bc	34	85	6	S	-	-	2.3	2.3	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1023.5	+10	NNE	3	b	37	75	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	1023.7	+10	NE	5	c	43	85	7	8	-	-	7.8	7.8	2500
	Guernsey ...	175	1021.3	+10	NE	3	bc	40	75	7	8	-	-	4.6	4.6	2500
6	Pembroke ...	142	1027.2	+10	NE	1	bc	36	85	8	5	-	-	2.3	2.3	2500
7	Holyhead ...	26	1023.9	+6	-	0	b	36	95	7	S	-	-	1	1	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1020.1	+2	NW'N	5	c	35	95	6	3	2	-	7.8	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1021.7	0	WNW	3	bc	35	65	7	2	-	-	4.6	4.6	2500
11	Inchkeith ...	190	1022.2	-6	SW	2	c	37	85	6	S	-	-	10	10	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1020.0	-8	-	0	c	40	95	7	8	2	-	7.8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1019.9	-6	WSW	2	c.c.	38	95	7	6	-	-	10	10	1500
16	Lerwick ...	54	1018.6	-8	SW	1	c	35	85	8	5	2	-	4.6	10	1500
17	Blacksod Point	18	1025.7	+2	W	3	bc	43	95	8	-	4	-	0	4.6	-
18	Malin Head ...	52	1023.4	0	W'S	2	bc/pr.	43	95	8	3	-	-	2.3	2.3	2500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1027.0	0	N	2	bc	42	85	8	-	2	-	0	4.6	-
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)...	1023.6	+12	NNW	2	c	35	75	5	5	2	-	9	10	4000	1	*
	Croydon ...	1023.1	+10	NNW	2	c	35	75	4	4	3	-	2-3	9+	4000	1	*
	S. Farnborough	1023.7	+12	NW	2	o	32	75	6	5	-	-	10	10	4000	4	*
	Winchester ...	1024.1	+12	NNW	1	c	29	85	6	5	-	-	9	9	4000	4	*
	Boscombe Down	1024.7	+8	N'W	2	bc	25	95	5	5	-	-	2-3	2-3	2500	4	*
	Calshot, (S'thmtn)	1023.6	+16	NW	3	c	32	75	6	5	*	-	7-8	7-8	2500	6	2
	Dungeness ...	*	*	NNW	2	bc	*	*	7	5	[illegible]	*	2-3	2-3	1500	*	1
	Lympne ...	1022.9	+14	NW	3	b_1	30	95	6	-	4	-	-	0	Tr	4	*
2	Shoeburyness	1022.8	+12	NW	1	c	32	85	7	5	-	-	9	9	2500	0	*
	Felixstowe ...	1022.1	+10	NW'N	2	bc	32	95	7	5	-	-	4.6	4.6	2500	6	1
	Gorleston ...	1021.5	+8	WNW	2	c	34	95	6	8	-	-	7.8	7.8	1500	6	2
	Cranwell ...	1023.5	+10	WNW	3	c	33	85	6	5	7	-	9	9+	4000	0	*
3	Birmingham ...	1024.6	+6	NW	2	bm	31	85	4	-	-	-	0	0	-	1	*
	Upper Heyford	1024.6		NW	3	bc	30	85	5	-	3	-	0	7-8	-	4	*
4	Ross-on-Wye ...	1024.7	+4	N	1	b_1	23	85	6	5	-	-	Tr	Tr	4000	4	*
5	Portland Bill...	1023.6	+12	NNE	3	bc	33	75	6	5	-	-	2.3	2.3	1500	0	2
	Plymouth ...	1025.6	+14	NE	1	b_1	32	75	6	-	-	1	0	Tr	-	1	1
	The Lizard ...	1025.2	+6	NNE	3	bc	32	75	7	7	-	-	2.3	2.3	4000	4	2
	Scilly (St. Mary's)	1025.3	+10	E'N	3	b_1	38	85	7	5	-	-	1	1	4000	1	2
	Guernsey ...	1023.6	+14	NE	3	bc	39	75	7	8	-	-	4.6	4.6	2500	0	3
6	Pembroke ...	1024.9	+4	-	0	bc	38	75	8	8	4	-	2.3	4.6	4000	0	0
7	Holyhead ...	1024.5	+2	NW'N	4	bc	43	85	8	2	3	-	1	2.3	2500	1	1
	Chester (Sealand)	1024.8	+4	-	0	Cm	27	95	4	5	-	-	9+	9+	5700	4	*
8	L'pool (Bidston)	1024.4	+2	W'N	2	c	36	85	7	5	7	-	2.3	7.8	2500	4	*
9	Harrogate ...	1023.2	+0	SW	2	c	33	45	7	5	4	-	7.8	9	4000	4	*
10	Spurn Head ...	1021.9	+6	NNW	5	c	36	95	6	3	3	-	2.3	7.8	1500	0	4
	Catterick ...	1022.9	+2	W	2	c	36	85	7	5	-	-	7.8	7.8	2500	-	*
	Tynemouth ...	1022.2	+0	W	2	o	37	75	6	5	-	-	10	10	1500	1	2
11	Inchkeith ...	1021.7	-4	SW	3	c	39	95	7	5	2	-	4.6	10	1500	0	2
	Leuchars ...	1020.3	-6	SW	3	c	37	85	6	-	1	-	0	10	-	1	*
12	Renfrew ...	1022.3	-4	-	0	c	42	95	6	5	7	-	9	9+	1500	1	*
	Eskdalemuir ...	1023.6	+0	-	0	c	30	95	6	5	-	-	9+	9+	1500	4	*
13A	Tiree	1021.2	-10	SW	4	c/pr	46	95	8	3	7	-	7.8	10	800	1	2
13B	Stornoway ...	1017.1	-16	S	2	c/pr	44	95	8	8	2	-	4.6	10	1500	1	1
15	Dalwhinnie ...	1021.4	-8	W	1	cir.	38	95	7	4	2	-	4.6	10	800	1	*
	Aberdeen ...	1019.5	-10	SSW	1	cir.	38	85	6	6	2	-	2.3	10	1500	1	1
	Wick	1016.6	-14	SW	3	ors.	41	95	8	6	-	-	10	10	1500	1	2
16	Lerwick ...	1014.5	-32	SSW	4	cir.	40	95	6	9	-	-	9+	9+	800	1	*
17	Blacksod Point	1025.2	-2	WNW	3	bc	44	95	8	5	-	-	4.6	4.6	450	1	3
18	Malin Head ...	1023.0	-2	W'S	2	c	43	95	7	5	2	-	9	9+	1500	1	1
	Aldergrove ...	1024.7	-2	SSW	2	F	35	95	1	5	-	-	10	10	4150	1	*
	Donaghadee ...	1023.7	-2	W	2	c	38	95	7	5	2	-	4.6	7.8	1500	0	0
19	Birr Castle ...	1026.1	+2	WNW	1	c	38	95	8	5	-	-	9+	9+	2500	1	*
20	Valentia Obsy.†	1027.3	+2	NNE	2	c	35	95	8	5	-	-	9	9	4000	0	2
	Roches Point...	1026.3	+6	N	3	bc	40	95	8	5	-	-	2.3	2.3	2500	0	2

PAST 24 HOURS.

District.	Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 15th. Hrs. (36)
1	London (Kew)...	41	34	26	Tr.	-	2.9
	Croydon ...	40	35	31	Tr.	-	1.3
	S. Farnborough	42	27	18	Tr.	-	2.6
	Winchester ...	41	26	19	-	-	6.3
	Boscombe Down	40	24	21	-	-	5.5
	Calshot, (S'thmtn)	42	31	26	-	-	6.2
	Dungeness ...	42	25	*	-	-	*
	Lympne ...	40	29	26	Tr.	-	6.9
2	Shoeburyness	43	29	23	-	-	6.1
	Felixstowe ...	41	31	26	0.1	0.1 Tr.	6.3
	Gorleston ...	41	31	27	2	Tr.	5.3
	Cranwell ...	39	32	29	Tr.	-	0.6
3	Birmingham ...	40	29	22	-	-	5.9
	Upper Heyford	40	36 29	24	-	-	*
4	Ross-on-Wye ...	41	24 22	14	-	-	4.7
5	Portland Bill...	43	32	*	-	-	*
	Plymouth ...	44	31	27	-	-	3.0
	The Lizard ...	45	32	*	-	-	*
	Scilly (St. Mary's)	46	38	*	1	1	3.6
	Guernsey ...	42	38	32	-	-	4.4
6	Pembroke ...	456	32	*	0.1	-	2.8
7	Holyhead ...	45	35	27	-	-	6.1
	Chester (Sealand)	41	25	18	-	-	2.4
8	L'pool (Bidston)	40	34	28	-	-	5.2
9	Harrogate ...	40	(36) 31	22	-	-	2.0
10	Spurn Head ...	38	34 30	*	4	1	3.1
	Catterick ...	40	33	28	-	-	2.7
	Tynemouth ...	40	35	31	-	-	*
11	Inchkeith ...	43	35	32	-	-	8.4
	Leuchars ...	44	30	22	-	-	7.8
12	Renfrew ...	46	36	26	-	-	6.8
	Eskdalemuir ...	40	22	19	-	-	6.7
13A	Tiree	46	40	34	0.1	1	3.1
13B	Stornoway ...	44	37	*	Tr.	0.1	0.0
15	Dalwhinnie ...	40	33	33	-	Tr.	1.9
	Aberdeen ...	40	35	31	-	1	3.2
	Wick	40	37	*	-	3	*
16	Lerwick ...	38	32	*	-	0.4	0.7
17	Blacksod Point	48	39	*	Tr.	0.2	*
18	Malin Head ...	47	38	*	0.1	0.3	3.7
	Aldergrove ...	45	31	25	1	Tr.	3.8
	Donaghadee ...	46	33	*	-	-	*
19	Birr Castle ...	46	37	31	1	0.3	0.0
20	Valentia Obsy.†	47	32	28	Tr.	Tr.	7.8
	Roches Point...	48	39	*	Tr.	-	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except Greenwich & Hampstead rainfall, 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	bc3o	cp5.8eg.	bbcem	41	34	26	Tr	-	2.9	*	*	5
Croydon	217	b3y	p3.c3o.y	cm,bm.	40	35	31	Tr	-	1.3	*	*	3
Greenwich (Royal Observatory) ...	149	c	bc5.c	bcm	42	34	27	Tr	-	1.3	58	73	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	1.9	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	43	36	28	-	-	2.1	50	64	*
†Regents Pk. (Botanic Gardens) ...	168	*	*	*	42	34	30	-	-	2.0	60	75	*
Camden Square	110	c	c	*	42	34	30	-	-	*	*	75	*
Kensington	80	cm	co	*	42	35	27	-	-	2.0	At 18h.	72	*
Hampstead Observatory	450	c	bcf	c.	40	31	23	Tr	-	2.7	*	77	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0.6	11h 15th	0.3	0-6h 16th

Kew Observatory. Max.	Time.	Min.	Time.
0.4	19h 15th	0.1	14h 15th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 15th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 16th February. Barom mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1016.9	NNE	3	b	36	1020.7	-	0	bc	30
Brussels	1016.7	NW'N	3	b	34	1019.4	WSW	2	sf	28
Berlin	1006.3	W	5	c	34	1008.7	NW'W	6	c	37
Zürich	1013.4	ENE	5	c	34	1017.1	WNW	1	b	21
Rome						1008.1	ENE	3	u	41

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
41	28	-	-
41	25	-	-
37	23	-	0.1
37	21	-	-
	36		-

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 48.
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.

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.

G. C. Simpson, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station. t Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 17th February 1933.

No. 26020

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

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)	1025·7	+4	NE	2	c	43	55	6	5	-	-	9	9	4000
	Croydon	1025·2	+6	N	3	c	42	55	5	7	-	-	9	9	4000
	S. Farnborough	1025·6	+2	NW	2	bc	45	45	7	1	-	-	4-6	4-6	4000
	Winchester	1026·3	+8	N	3	bc	42	55	7	5	-	-	4-6	4-6	4000
	Boscombe Down	1026·2	+2	NNW	2	bc	41	55	6	1	-	1	2-3	2-3	4000
	Calshot, S'thmtn	1025·9	+2	N	1	bc	44	55	5	2	-	-	2-3	2-3	4000
	Dungeness	*	*	NNW	3	bc	*	*	7	2	-	*	4-6	4-6	1500
	Lympne	1024·9	+6	N	3	bc	42	55	8	1	-	-	2-3	2-3	4000
2	Shoeburyness	1024·8	+6	NNW	3	bc	44	55	8	5	3	-	2-3	2-3	4000
	Felixstowe	1024·5	+8	NNW	3	bc	45	45	9	7	-	-	4-6	4-6	4000
	Gorleston	1023·7	+12	NE'N	1	bc	42	95	6	8	4	-	2-3	4-6	2500
	Cranwell	1024·6	+2	W'S	1	c	42	65	6	5	-	-	9	9	5700
3	Birmingham	1025·8	+6	W	2	c	41	75	5	-	3	-	0	7-8	-
	Upper Heyford	1026·1	+6	NW	3	b	43	55	6	2	-	-	Tr.	Tr.	4000
4	Ross-on-Wye	1025·8	+8	SSW	1	bc	45	55	7	5	3	1	1	2-3	4000
5	Portland Bill	1026·8	+8	NNE	2	bc	44	75	7	4	-	-	2-3	2-3	2500
	Plymouth	1027·1	+4	W'N	1	b	45	55	6	-	3	-	0	Tr.	-
	The Lizard	1027·7	+4	ENE	3	bc	43	55	8	-	-	8	0	2-3	-
	Scilly (St. Mary's)	1028·2	+4	E	2	bc	46	65	6	5	-	5	1	2-3	4000
	Guernsey	1026·2	+10	NE	3	bc	44	55	8	8	-	-	4-6	4-6	2500
6	Pembroke	1027·4	+8	~~NE~~ NNE	2	c	44	85	8	4	4	1	4-6	7-8	2500
7	Holyhead	1025·6	-2	W'S	3	c	45	95	7	5	-	-	9+	9+	4000
	Chester (Sealand)	1025·8	+4	WNW	3	c	45	75	7	5	-	-	9+	9+	4000
8	L'pool (Bidston)	1025·1	0	WNW	4	o	42	95	7	5	-	-	10	10	2500
9	Harrogate	1023·3	0	SW	3	c	46	65	8	-	7	1	0	7-8	-
10	Spurn Head	1023·6	+4	WNW	3	c	41	85	5	5	2	-	4-6	10	800
	Catterick	1022·8	-10	SW'W	2	c	45	65	8	5	7	-	7-8	9	2500
	Tynemouth	1021·7	-4	W	3	c	45	65	6	6	-	-	7-8	7-8	1500
11	Inchkeith	1019·4	-16	SW	4	c	45	85	7	5	-	-	10	10	1500
	Leuchars	1018·3	-14	SW	4	c	46	75	7	7	9	8	2-3	9+	2500
12	Renfrew	1020·6	-10	SW	4	ir.	48	85	6	5	1	-	7-8	10	1500
	Eskdalemuir	1021·7	-10	WSW	4	c	40	85	6	5	-	-	10	10	800
13A	Tiree	1022·1	+10	NW'W	5	c	46	75	8	8	4	7	2-3	10	1500
13B	Stornoway	1019·7	+24	NW	4	c	44	75	8	8	6	-	4-6	7-8	1500
15	Dalwhinnie	1019·3	-6	N	3	ir	42	95	7	3	4	-	4-6	10	1500
	Aberdeen	1016·4	-20	SSW	2	c	45	85	6	5	7	-	4-6	9	4000
	Wick	1014·2	-8	WNW	4	pr	44	95	8	8	1	-	4-6	7-8	1500
16	Lerwick	1008·5	-30	NW	4	c/r	43	95	6	9	-	-	9+	9+	800
17	Blacksod Point	1026·5	+4	W	2	bc	50	85	9	5	-	-	4-6	4-6	800
18	Malin Head	1023·3	+2	W'N	3	dr	46	95	7	8	2	-	9	9+	800
	Aldergrove	1024·5	-6	SW	3	bc	47	85	8	8	5	1	2-3	4-6	800
	Donaghadee	1024·0	+2	W	2	c	47	85	7	8	3	-	4-6	7-8	2500
19	Birr Castle	1027·2	+2	WNW	2	c	48	75	8	5	3	-	7-8	9+	2500
20	Valentia Obsy.	1029·4	+6	NNE	2	bc	47	75	9	2	-	1	2-3	4-6	4000
	Roches Point	1028·4	+6	N	2	bc	49	65	9	5	-	-	2-3	2-3	2500

OBSERVATIONS at 18h. G.M.T. 16th 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)
1026·0	+4	SW'W	1	cf	40	65	3	5	-	-	9+	9+	4000	1	*
1025·7	+6	SW	2	bf	37	65	3	4	-	-	1	1	4000	1	*
1026·5	+8	W'N	1	c	37	75	6	5	-	-	9+	9+	4000	1	*
1026·7	+4	W	2	c	38	75	6	5	-	-	9+	9+	4000	1	*
1026·8	+4	W	1	c	39	75	6	5	-	-	9+	9+	4000	1	*
1026·4	+4	W'N	2	b	38	65	6	-	5	-	0	1	-	0	0
*	*	NW	1	bc	*	*	7	8	-	*	4-6	4-6	1500	*	0
1026·3	+10	NW'N	2	bc	37	65	8	4	-	-	4-6	4-6	5700	1	*
1025·3	+4	WSW	1	b	36	75	7	-	3	-	0	1	-	0	*
1025·1	+4	SW'W	1	b	36	95	6	5	3	-	1	1	4000	0	0
1023·3	-4	S'W	2	c	39	85	6	-	5	-	0	7-8	-	0	2
1024·0	0	SW	3	c	41	85	4	5	-	-	10	10	2500	0	*
1025·5	-2	SW	3	c	40	85	6	3	~~-~~	-	9+	9+	2500	1	*
1026·3	+4	W	2	c	40	75	6	5	-	-	10	10	2500	1	*
1026·1	0	SW	2	c	40	85	8	5	-	-	7-8	7-8	4000	1	*
1027·2	+6	NNE	3	bc	42	75	7	4	-	-	2-3	2-3	2500	0	2
1027·8	+6	NW	4	c	43	55	7	5	-	-	9+	9+	1500	0	1
1028·8	+6	-	0	bc	39	65	8	7	-	6	2-3	4-6	5700	0	0
1029·0	+6	NE'N	3	bc	41	85	7	5	-	5	2-3	2-3	4000	0	1
1027·1	+12	NNE	1	bc	40	65	7	8	-	-	4-6	4-6	2500	0	2
1027·1	+4	NW	1	c	44	85	8	4	7	-	4-6	9+	2500	0	1
1025·2	-4	W'S	4	bc	45	85	7	5	-	1	4-6	4-6	4000	1	1
1025·0	0	W'N	3	c	45	75	7	5	-	1	9	9+	2500	1	*
1024·2	-2	WNW	4	c	43	95	7	5	1	-	7-8	9	2500	0	*
1021·7	-10	WSW	4	c	42	95	7	6	2	-	1	9+	2500	1	*
1021·6	-2	W'N	4	c	42	95	5	5	2	-	2-3	10	1500	0	3
1020·6	-10	WSW	3	c	44	75	7	5	-	-	9	9	2500	0	*
1018·6	-6	W	3	o	46	85	7	6	-	-	10	10	1500	1	2
1020·6	+14	WNW	3	c	44	75	8	5	5	~~-~~	4-6	9+	2500	0	2
1019·6	+22	NW	4	c	43	65	9	8	4	8	2-3	9+	2500	1	*
1021·3	+10	W'N	4	c	42	75	7	8	2	-	Tr.	10	1500	1	*
1020·5	-2	W'N	6	c	41	75	9	8	1	-	4-6	10	1500	1	*
1024·4	+14	NW'N	5	cjp	43	65	8	8	5	7	7-8	10	1500	1	3
1022·6	+14	NNW	2	bc	38	65	8	8	6	-	2-3	4-6	1500	1	1
*	+22	N	2	c	35	95	7	4	2	-	4-6	10	1500	1	*
1019·0	+22	NW	3	bc	40	75	8	8	3	-	2-3	2-3	2500	1	1
1017·2	+28	NW	4	bc	40	75	8	8	8	-	4-6	4-6	1500	1	3
1011·2	+8	NW	5	c/r	38	95	7	9	-	-	9	9	1500	1	*
1027·2	+6	N	1	r.	45	95	9	6	-	-	9+	9+	450	1	2
1025·1	+14	N'W	4	c	45	85	7	5	2	-	9	10	1500	1	1
1024·9	+6	NW	2	c	43	85	8	5	2	-	7-8	10	1500	1	*
1023·9	-6	N'W	2	c	45	85	7	5	-	-	9	9	1500	1	1
1026·7	0	WNW	1	c	46	85	8	5	8	8	4-6	7-8	2500	1	*
1029·5	+6	W'N	2	bc	45	85	9	8	-	1	2-3	4-6	1500	0	1
1028·3	+6	N	2	bc	46	75	8	5	-	-	4-6	4-6	2500	0	2

PAST 24 HOURS.

Weather. 7h.–13h. 16th. (37)	Weather. 13h.–18h. 16th. (38)	Weather. 18h. 16th to 1h. 17th. (39)	Weather. 1h.–7h. 17th. (40)
c3o cmffbc cbe3oy cbcm·y bm· cmxbc bc xbm·y	cbcycf cy3·bf cbco cbccmo c3o·cmo bcb3o bcy	cm· bm·,cm· cbcb * bccm·	cr·cm· cpr·m· cbc cbcc cmo bbcc o prcmo
cm·bm· bebbcyv cbcm· cbbc3o	be cybcm· bcc cm·rs·c	b bm·cpr cm·opr cmrs·c	bbcc bcc c omoc cprs·
bcc bcbm cbbcc	cp·r byc3o bccp·c cbcc	c cm·opr cc	bcc c c cbcp· c
bc b3·xy bcby bc	bc b3·yc bbe bc bccbc	bc bcc bccc cbcc	bcc c c cbcp· c
bcc cbcm·y bm· cmxbc bc	bccmo by3·bc cbccmo cb3·cmo bcb3o bcy	cbcb bbcc	bbcc cbc bcb cbc
cbe3·y cbcm·y bm· cmxbc bc	bcyb3o by3·bc cbccmo cpr·c cbcb bccmo

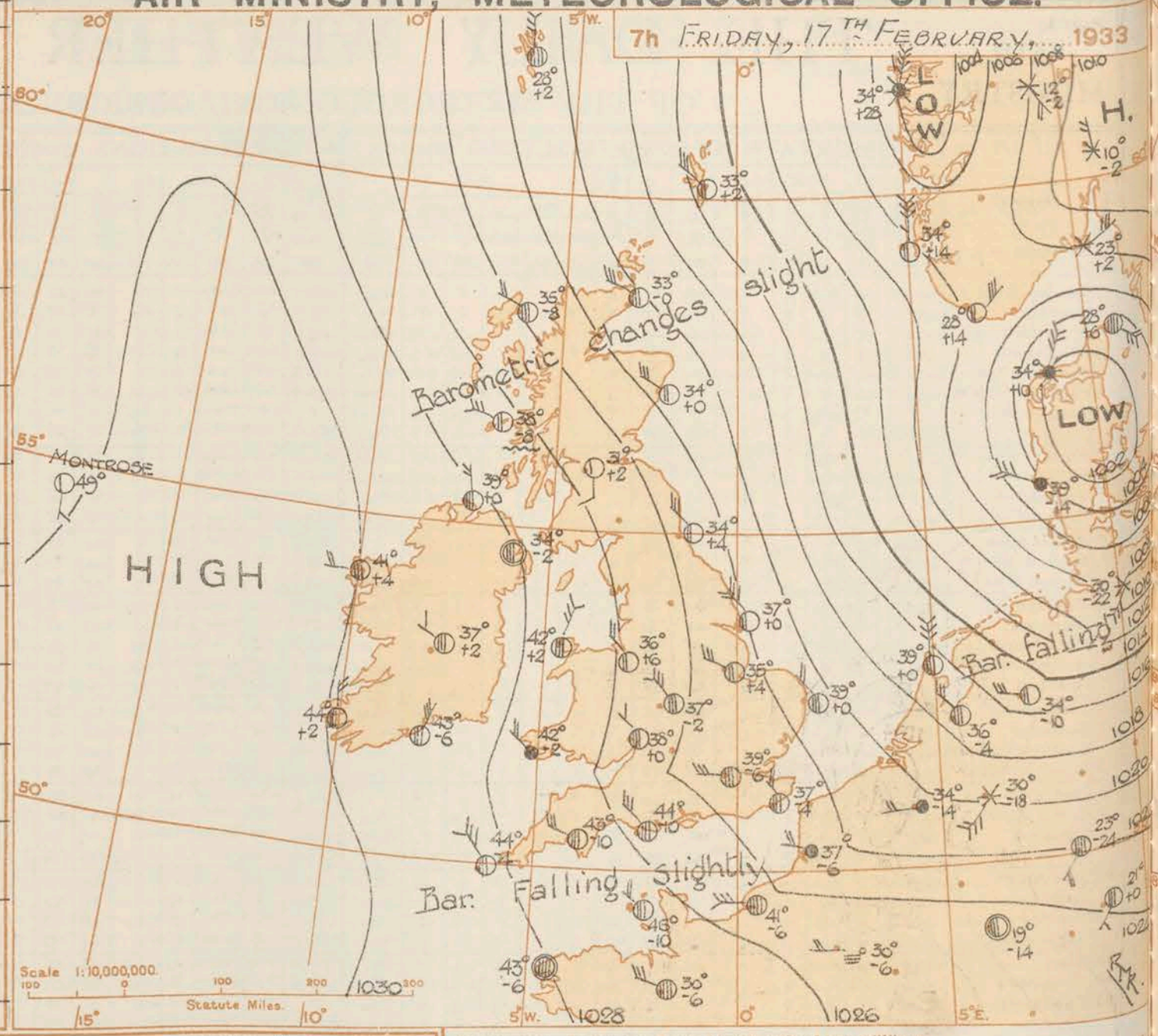
REPORTS from HEALTH RESORTS for 16th February 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 15th to 9h. 16th.	Temperature. Max. 9h.—17h. 16th.	Rainfall. Night. 17h. 15th to 9h. 16th.	Rainfall. Day. 9h.—17h. 16th.	Sunshine. Sunrise to 17h. 16th.	Sunshine. Sunrise to Sunset. 15th.
1	Tunbridge W.	cbc	bcc	27	43	-	-	1·8	3·5
	Bournemouth	b	b	26	45	-	-	8·1	6·8
	Ventnor ...	xoco3	bbc3	31	45	-	-	2·9	5·5
	Southsea ...	c	b	32	45	-	-	3·3	4·5
	Bognor Regis	cbc	bcc	35	44	-	-	1·4	4·7
	Littlehampton	cbc	bc	30	46	-	-	1·4	4·1
	Worthing ...	c	bcc	31	43	-	-	0·7	3·5
	Brighton ...	bccbc	bccm	31	43	-	-	1·2	3·1
	Eastbourne†	bbc	bccbc	30	45	-	-	4·6	4·8
	Hastings† ...	bbc	bcc	32	42	-	-	5·4	6·1
	Folkestone ...	xb	bbc	31	45	-	-	6·7	7·4
	Dover... ...	b	bbcbm	33	44	0·3	-	6·2	6·9
	Deal	b	b	31	44	-	-	6·5	6·0
	Ramsgate ...	b	bbc	34	44	Trace	-	6·9	7·1
	Margate ...	bc	bc	36	43	-	-	6·8	7·0
2	Southend ...	cmb	bbcbm	31	45	Trace	-	3·5	6·2
	Maldon ...	cb	bbcc	32	45	-	-	4·3	5·4
	Clacton-on-Sea	bcx	bccbc	31	45	-	-	5·4	7·4
	Dovercourt ...	xbc	bc	32	47	Trace	-	4·9	6·7
	Lowestoft ...	bmc	cbcb	30	43	1	-	3·1	6·0
	Skegness ...	obc	bcom	33	45	1	-	3·0	3·5
	Mablethorpe	bcm	com	31	45	1	-	3·3	3·1
	Cleethorpes...	bmco	o	33	45	2	-	2·2	3·1
3	Leamington S.	bcc	c	26	43	-	-	2·8	5·7
4	Cheltenham†	bfxbc	bcch	23	43	-	Trace	4·0	2·3
5	Bath	b	bbcc	24	46	-	-	7·1	4·9
	Weymouth ...	b	bbc	28	46	-	-	7·4	7·0
	Jersey ...	bc	bcc	37	43	-	-	3·0	4·7
	Torquay ...	bwm	bbcc3	28	47	-	-	7·3	5·5
	Penzance ...	b	b	31	47	-	-	7·6	2·7
	St. Ives ...	b	b	36	46	-	-	6·2	0·7
	Bude	xbv	o	24	45	-	-	3·1	3·3
	Ilfracombe ...	bbc	bcc	37	45	-	-	3·5	3·6
6	Aberystwyth	bccx	c	27	45	-	-	0·7	3·9
7	Llandudno ...	cbcc	c	30	45	-	-	1·3	4·8
	Colwyn Bay...	obc	bcb	33	47	-	-	1·8	4·3
	Rhyl	c	cbc	28	45	-	-	0·3	4·6
8	Wallasey ...	co	ocbc	31	43	-	-	0·0	3·3
	Southport‖ ...	co	oco	30	43	-	-	0·0	5·2
	Blackpool ...	c	c	30	44	-	-	0·4	4·2
	Morecambe ...	c	c	30	44	-	-	0·0	5·7
9	Ilkley... ...	bc	bcobc	27	46	-	-	2·7	5·0
10	Berwick-on-T.	o	o	32	47	-	-	0·0	4·6
11	Dumbar ...	bc	bc	32	48	-	-	0·2	6·6
12	Troon... ...	cocc	doco	36	47	Trace	Trace	0·1	7·4
	Douglas ...	xcbcidb	cbcid	36	48	Trace	Trace	0·7	7·4

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h FRIDAY, 17TH FEBRUARY, 1933



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 17th Feb, 1933.
1. S.E. England 2. E. England... 3. E. Midlands	Light or moderate northwesterly wind; fair, perhaps local showers later near East Coast; rather cold, ground frost at night.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Light or moderate northwesterly wind; fair apart from a few scattered showers; rather cold, ground frost at night.
10. N.E. England	As 1 - 3.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotld. / B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate northwest or north wind; variable sky, local showers of hail, sleet or snow; rather cold, ground frost at night.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light north or northwest or variable wind; mainly fair; rather cold, ground frost at night.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◎ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— ○Clear sky. ◔Sky less than 1/10 clouded. ◑Sky 1/10 to 5/10 clouded. ◕Sky 5/10 to 9/10 clouded. ●Overcast sky. ●Rain falling. ✳Snow. ✳Sleet ▲Hail. ≡Fog. ≡Mist. TThunder. KThunderstorm.
SEA DISTURBANCE. ~Rough. ≈High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

An anticyclone is situated to west and southwest of Ireland and pressure is high in a belt extending to Eastern Greenland. A depression centred over Denmark is moving southeast. Some wintry showers will occur in Scotland and perhaps later down the East Coast but otherwise weather will be fair apart from a few local showers.

FURTHER OUTLOOK.

Mainly fair.

Forecasts issued at 1015 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2. Fo. 2(6)/3345, W.L.43. 0.6(1). Dp.508-24320. 2/33.

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

Morning of
17TH FEBRUARY,
Friday,
1933.

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 the wind. Number of feathers indicate Beaufort Force.
⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 17th February 1933.

No. 26020

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

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)	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	1025·2	-4	WSW	3	pr	39	75	6	4	7	-	7·8	10	5700
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1025·3	0	WSW	2	b	38	85	7	5	-	-	1	1	2500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1025·0	-6	WNW	3	c	35	75	6	5	-	-	9+	9+	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1021·5	-12	N'N	3	o	40	95	6	5	-	-	10	10	1500
	Cranwell ...	240	1022·6	-2	WSW	3	c	40	85	5	5	-	-	10	10	1500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1027·0	-4	NNW	4	bc	42	95	7	4	-	-	2·3	2·3	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1029·1	0	NW	2	c	43	75	8	4	-	-	9+	9+	4000
	Scilly (St. Mary's)	163	1030·0	0	NW'W	3	c/b	44	95	8	8	-	-	9+	9+	2500
	Guernsey ...	175	1027·8	0	WNW	1	c	41	75	7	8	-	-	10	10	2500
6	Pembroke ...	142	1026·9	-2	NW	2	c	46	85	7	5	-	-	7·8	7·8	2500
7	Holyhead ...	26	1026·1	+10	NW	4	c	43	75	7	5	-	-	7·8	7·8	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1021·3	+2	N'W	5	c	42	95	7	5	2	-	4·6	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1022·4	+6	NW	3	c	42	85	7	5	-	-	7·8	7·8	1500
11	Inchkeith ...	190	1023·8	+8	W	1	bc	39	65	8	5	6	-	2·3	2·3	4000
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1025·1	+4	NW	1	bc	34	95	6	8	-	-	4·6	4·6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1019·8	+2	NW	4	bc	36	85	8	8	-1	-	2·3	4·6	2500
16	Lerwick ...	54	1015·6	+14	N'W	5	bc	35	85	8	3	-	-	4·6	4·6	1500
17	Blacksod Point	18	1029·2	+10	N	2	bc	44	85	8	5	-	-	4·6	4·6	800
18	Malin Head ...	52	1027·6	+8	N'W	3	c	43	75	7	5	2	-	9	9+	1500
	Aldergrove ...	298	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1030·1	0	-	0	bc	42	95	7	-	2	-	0	4·6	-
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	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)...	1023·7	-5	NNW	2	c	39	85	5	5	7	-	4·6	10	4000	1	*
	Croydon ...	1023·5	-6	W	3	c	39	85	6	5	3	-	9	9+	1500	1	*
	S. Farnborough	1024·0	-2	WNW	2	c	39	95	6	5	2	-	7·8	9+	2500	1	*
	Winchester ...	1024·4	-3.6	WNW	3	c	39	95	7	5	-	-	9+	9+	4000	1	*
	Boscombe Down	1023·6	+0	NW	3	c	39	95	6	5	2	-	7·8	10	4000	1	*
	Calshot (S'thmtn)	1024·2	-6	NNW	3	c	40	95	7	5	7	8	2·3	10	2500	0	2
	Dungeness ...	*	*	NNW	2	c	*	*	6	5	7	*	4·6	9	1500	*	0
	Lympne ...	1022·9	-4	NW	2	c	37	95	6	5	1	-	7·8	10	800	1	*
2	Shoeburyness	1022·8	+0	NNW	2	c	38	85	7	5	2	-	4·6	9+	4000	10	*
	Felixstowe ...	1022·5	+0	NW	3	c	39	85	8	5	-	-	9+	9+	2500	0	1
	Gorleston ...	1021·2	+0	NW	2	c	39	85	6	8	3	-	4·6	7·8	2500	0	2
	Cranwell ...	1023·7	+4	NNW	3	bc	35	85	6	5	3	-	2·3	2·3	5700	1	*
3	Birmingham ...	1024·9	-2	NNW	4	c	37	95	5	-	2	-	0	9+	-	1	*
	Upper Heyford	1024·3	+2	NNW	2	c	36	95	6	5	-	-	10	10	2500	1	*
4	Ross-on-Wye ...	1025·0	+0	NNW	1	c	38	85	8	5	1	8	4·6	9+	2500	1	*
5	Portland Bill...	1025·1	-10	NW	3	c	44	95	8	4	-	-	10	10	2500	0	2
	Plymouth ...	1026·5	-10	WNW	3	c	43	85	8	5	-	-	9+	9+	1500	0	1
	The Lizard ...	1027·8	-4	NW	2	c	44	85	8	4	-	-	9+	9+	4000	0	1
	Scilly (St. Mary's)	1028·4	-4	NNW	4	c	44	85	8	8	-	-	7·8	7·8	2500	1	2
	Guernsey ...	1026·4	-10	WNW	2	c	45	75	8	8	-	-	7·8	7·8	2500	0	3
6	Pembroke ...	1027·6	-2	NW	2	c/b	42	85	7	2	-	-	10	10	1500	1	1
7	Holyhead ...	1026·5	+2	N'E	4	c/p	42	75	8	9	-	-	9+	9+	1500	1	2
	Chester (Sealand)	1025·7	+6	NW	2	bc	36	85	7	5	-	1	4·6	4·6	2500	-	*
8	L'pool (Bidston)	1025·6	+0	NNW	4	b1	38	75	9	5	-	-	1	1	4000	-	*
9	Harrogate ...	1024·4	+0	W	2	b1	32	85	8	-	-	1	0	Tr	-	4	*
10	Spurn Head ...	1021·6	+0	NW'N	5	bc	37	85	7	5	3	-	2·3	4·6	2500	0	3
	Catterick ...	1024·1	-2	WNW	3	b1	33	75	8	-	-	1	0	Tr	-	0	*
	Tynemouth ...	1023·6	+4	NW	3	bc	34	75	7	5	-	-	2·3	2·3	1500	1	2
11	Inchkeith ...	1024·3	+0	WSW	3	bc	35	75	8	5	4	-	2·3	2·3	2500	0	2
	Leuchars ...	1022·7	-8	W	4	b1	34	65	7	5	-	-	Tr	Tr	2500	4	*
12	Renfrew ...	1025·4	+2	S	1	b1	31	85	7	1	-	-	Tr	Tr	4000	4	*
	Eskdalemuir ...	1024·5	+0	W'N	1	b1	27	75	9	5	-	-	Tr	Tr	4000	4	*
13A	Tiree	1026·3	-8	W'N	4	bc/pr	38	85	8	8	-	3	2·3	4·6	1500	1	4
13B	Stornoway ...	1023·5	-8	WNW	2	c/ps	35	85	8	8	7	-	4·6	7·8	1500	6	1
15	Dalwhinnie ...	-	-2	N	2	c	32	95	8	4	4	-	4·6	7·8	2500	5	*
	Aberdeen ...	1021·1	+0	WNW	3	bc	34	85	8	8	-	-	2·3	2·3	2500	6	1
	Wick	1019·9	-0	WNW	3	c/ps	33	95	8	8	1	-	4·6	7·8	1500	6	2
16	Lerwick ...	1015·1	+2	NW	3	bc	33	75	8	8	-	-	4·6	4·6	1500	6	*
17	Blacksod Point	1030·0	+4	W	2	c	41	85	8	-	7	-	-	7·8	-	0	2
18	Malin Head ...	1027·7	+0	N'W	2	c	39	95	7	5	2	-	9	9+	1500	1	1
	Aldergrove ...	1028·1	-2	-	0	c	34	95	7	5	-	-	9	9	1500	1	*
	Donaghadee ...	1026·9	+2	WNW	1	bc	37	85	7	5	-	-	4·6	4·6	1500	1	0
19	Birr Castle ...	1028·4	+2	WNW	1	c	37	95	8	5	-	-	9	9	1500	1	*
20	Valentia Obsy.†	1029·2	+2	N	2	c	44	95	8	5	7	-	2·3	7·8	1500	1	1
	Roches Point...	1028·7	-6	NE	3	c	43	95	8	5	-	-	7·8	7·8	2500	0	2

PAST 24 HOURS.

District.	Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 16th. Hrs. (36)
1	London (Kew)...	44	38	34	-	0·2	3·0
	Croydon ...	42	36	32	-	0·2	1·0
	S. Farnborough	46	36	26	-	-	4·2
	Winchester ...	44	36	31	-	0·2	6·6
	Boscombe Down	43	34	30	-	-	6·3
	Calshot (S'thmtn)	45	33	25	-	-	4·0
	Dungeness ...	45	32	*	-	-	*
	Lympne ...	43	34	22	Tr.	0·3	5·3
2	Shoeburyness	45	34	22	-	-	3·8
	Felixstowe ...	45	36	29	-	Tr	4·7
	Gorleston ...	43	37	35	-	Tr	3·1
	Cranwell ...	45	35	32	-	0·2	3·4
3	Birmingham ...	42	36	33	0·1	-	0·6
	Upper Heyford	44	35	32	-	0·1	*
4	Ross-on-Wye ...	46	36	34.0	Tr.	-	3·0
5	Portland Bill...	(44)	41	*	-	-	*
	Plymouth ...	48 45	36	33	-	-	7·3
	The Lizard ...	45	36	*	-	-	0·1
	Scilly (St. Mary's)	46	39	*	-	0·5	8·6
	Guernsey ...	44	35	25	-	-	4·8
6	Pembroke ...	47	42	*	-	3·1	2·1
7	Holyhead ...	46	42	39	-	1	1·0
	Chester (Sealand)	46	36	28	Tr.	2	0·0
8	L'pool (Bidston)	43	33	33	Tr.	0·1	0·4
9	Harrogate ...	46	32	27	-	Tr	1·1
10	Spurn Head ...	44	35	*	-	0·3	2·2
	Catterick ...	48	33	28	-	-	1·0
	Tynemouth ...	47	33	29	-	Tr	*
11	Inchkeith ...	46	34	30	-	-	0·0
	Leuchars ...	49	33	26	0·5	-	1·0
12	Renfrew ...	43	29	20	0·1	-	0·1
	Eskdalemuir ...	43	26	21	0·1	-	0·1
13A	Tiree	47	37	33	1	1	0·9
13B	Stornoway ...	46	33	*	1	1	3·9
15	Dalwhinnie ...	45	29	21	1	Tr	0·8
	Aberdeen ...	49	33	29	0·2	0·3	0·1
	Wick	44 43	32	*	2	0·1	*
16	Lerwick ...	44	32	*	4	2	0·2
17	Blacksod Point	50	40	*	2	0·2	*
18	Malin Head ...	47	39	*	2	Tr	1·6
	Aldergrove ...	48	33	25	2	0·1	1·4
	Donaghadee ...	50	37	*	0·3	0·1	*
19	Birr Castle ...	49	37	31	Tr.	1	4·1
20	Valentia Obsy.†	48	36	32	Tr.	0·2	8·2
	Roches Point...	49	42	*	-	Tr	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h–15h.

Stations.	Height above M.S.L. in feet.	Weather Morning. (24 hrs, ended 9h.)	Weather Afternoon. (24 hrs, ended 9h.)	Weather Night. (24 hrs, ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day. mm.	Rainfall Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity 15h. G.M.T. % (Yesterday.)	Humidity 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew	18	c3o	bcycfcm	crocmo	44	38	34	-	0·2	3·0	*	*	6
Croydon	217	cmffbc	cy3obfm	cpromo	42	36	32	-	0·2	1·0	*	*	4
Greenwich (Royal Observatory) ...	149	cmb3	cby	cfdm	44	358	25	-	Tr	0·9	53	86	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	1·8	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	45	37	28	0·2		1·8	66	84	*
†Regents Pk. (Botanic Gardens) ...	108	*	*	*	45	36	28	0·3		2·4	63	86	*
Camden Square	110			*	44	37	29	-	0·3	*	*	87	*
Kensington	80	bc	bcm	*	44	38	32	-	0·2	2·0	At 18h. 55	87	*
Hampstead Observatory ...	450	obc	bc	cd	42	35	28	-	0·2	4·1	*	91	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
1·3	20hrs 16th	0·3	0-6hr 17th

Kew Observatory. Max.	Time.	Min.	Time.
0·9	18h 16th	0·1	4hrs 17th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 16th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 17th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1024·7	NNE	3	bc	39	1024·7	W	2	o	30
Brussels	1025·1	NE	1	b	30	1020·4	WSW	2	c1o	34
Berlin	1020·6	NW	3	b	27	1013·4	SW'S	2	ss	23
Zürich	1021·5	SW	2	bc	32	1023·3	NNW	1	b	21
Rome	1006·5	NNE	3	o	48	1009·1	SE	1	bc	39

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
43	28	-	-
39	25	0·2	0·5
32	21	Tr	Tr
41	19	-	-
55	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.	

COLUM 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.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 18th February 1933.

No. 26021

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

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)...	1024·0	-4	NW	3	c	43	55	6	7	-	-	7·8	7·8	4000
	Croydon ...	1023·6	-2	NW	2	bc	42	55	5	7	3	1	4-6	4-6	5700
	S. Farnborough	1023·9	-6	NWˈW	2	c	44	65	7	7	3	1	4-6	7-8	4000
	Winchester ...	1024·8	-2	N	3	c	42	75	7	8	7	-	7-8	9+	4000
	Boscombe Down	1025·1	0	NNW	3	c	41	75	6	8	7	8	7-8	9+	2500
	Calshot, S'thmtn	1024·4	-4	NNW	4	c	43	65	6	8	1	-	9	9	2500
	Dungeness ...	*	*	N	2	c	*	*	6	5	-	*	9+	9+	1500
	Lympne ...	1023·3	-2	NNW	4	c	42	55	8	7	-	3	4-6	9	4000
2	Shoeburyness	1023·1	-2	N	4	bc	45	45	8	4	1	-	2-3	2-3	2500
	Felixstowe ...	1022·4	-2	NNˈN	4	bc	44	45	9	1	-	-	4-6	4-6	2500
	Gorleston ...	1020·9	-4	NWˈN	4	bc	43	85	7	7	-	-	4-6	4-6	2500
	Cranwell ...	1023·0	-10	NWˈW	4	b	42	55	6	-	-	-	0	0	-
3	Birmingham ...	1024·8	-4	NW	4	bc	41	65	5	1	-	-	2-3	2-3	2500
	Upper Heyford	1024·7	-2	N	3	c	43	55	5	2	-	-	7-8	7-8	2500
4	Ross-on-Wye ...	1024·9	0	N	3	bc	43	45	8	1	-	9	2-3	2-3	4000
5	Portland Bill...	1025·0	-4	NW	2	c	45	75	8	4	-	-	10	10	2500
	Plymouth ...	1026·6	-2	NNW	3	c	46	55	7	7	7	8	4-6	9	2500
	The Lizard ...	1027·6	0	NNE	2	c	43	95	8	8	-	-	10	10	2500
	Scilly (St.Mary's)	1027·8	-6	NWˈN	4	ir_o	47	95	7	8	-	-	9+	9+	2500
	Guernsey ...	1025·6	-4	NˈW	1	c	45	85	8	8	2	-	7-8	10	2500
6	Pembroke ...	1027·1	-4	NNE	3	bc	44	65	8	7	7	-	2-3	4-6	4000
7	Holyhead ...	1026·2	-6	NW	4	c	44	75	8	2	6	-	4-6	7-8	2500
	Chester (Sealand)	1025·7	-4	NWˈW	4	bc	43	65	8	2	-	-	4-6	4-6	2500
8	L'pool (Bidston)	1024·9	-10	NW	4	b	42	65	8	7	-	-	1	1	4000
9	Harrogate ...	1022·7	-6	NW	3	b	42	55	9	1	-	-	Tr.	Tr.	4000
10	Spurn Head ...	1021·2	-2	NWˈN	5	bc	41	75	7	-	1	-	0	2-3	-
	Catterick ...	1022·1	-16	WNW	5	bc	41	55	8	1	5	-	1	2-3	4000
	Tynemouth ...	1020·9	-18	WNW	3	bc	42	55	7	2	-	-	2-3	2-3	2500
11	Inchkeith ...	1021·6	-14	W	4	bc	40	65	8	21	4	-	4-6	4-6	4000
	Leuchars ...	1020·4	-18	WNW	4	bcjp	43	55	8	2	3	-	2-3	4-6	2500
12	Renfrew ...	1023·4	-10	WˈN	4	b	43	65	8	7	3	-	1	1	4000
	Eskdalemuir ...	1021·9	-20	WNW	5	bc	39	55	8	2	-	-	2-3	2-3	2500
13A	Tiree	1024·8	-12	NNW	4	cjp	40	75	8	3	-	3	4-6	7-8	1500
13B	Stornoway ...	1022·6	-8	NW	2	ps	35	95	8	8	6	-	4-6	7-8	1500
15	Dalwhinnie ...	1022·5	-12	N	3	bc	35	95	8	4	-	-	4-6	4-6	2500
	Aberdeen ...	1019·6	-10	WNW	4	ps_o	36	85	8	3	-	-	7-8	7-8	2500
	Wick	1019·0	-6	NW	3	bc	35	95	8	8	7	-	2-3	4-6	2500
16	Lerwick ...	1015·9	-4	NWˈN	3	cjp	35	95	8	9	-	-	9	9	1500
17	Blacksod Point	1030·1	0	N	3	bc	46	75	9	2	-	-	4-6	4-6	1500
18	Malin Head ...	1026·7	-8	NˈW	5	c/phr	41	95	7	9	8	-	7-8	9+	800
	Aldergrove ...	1027·5	-6	WNW	3	ph_o	37	95	9	9	4	-	7-8	9	800
	Donaghadee ...	1026·0	-8	WNW	2	pr_o	40	85	7	8	3	-	4-6	4-6	1500
19	Birr Castle ...	1029·5	-2	N	1	c	44	75	8	5	-	-	9+	9+	2500
20	Valentia Obsy.	1030·6	+2	NEˈN	2	bc	49	55	9	7	-	1	2-3	2-3	2500
	Roches Point...	1029·9	+4	N	2	bc	47	65	9	3	-	-	4-6	4-6	2500

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

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1022·0	-6	WNW	2	f	40	55	3	-	-	-	0	0	-	1	*
	Croydon ...	1022·1	-18	WSW	3	b	38	65	4	-	-	-	0	0	-	1	*
	S. Farnborough	1022·6	-6	WNW	2	b	38	65	6	-	4	1	0	Tr.	-	1	*
	Winchester ...	1023·5	-4	WNW	2	b	34	85	7	5	-	-	Tr.	Tr.	4000	1	*
	Boscombe Down	1023·3	-8	WNW	2	b	38	55	7	5	-	-	1	1	4000	1	*
	Calshot, S'thmtn	1023·0	-6	WNW	3	b	40	55	6	5	-	-	1	1	4000	0	1
	Dungeness ...	*	*	NW	1	bc	*	*	7	7	-	*	4-6	4-6	1500	*	0
	Lympne ...	1021·7	-6	NWˈW	2	b	37	55	6	5	-	-	1	1	4000	1	*
2	Shoeburyness	1021·2	-10	NW	2	bc	37	65	6	5	-	-	2-3	2-3	2500	0	*
	Felixstowe ...	1020·3	-10	WˈN	1	bc	37	75	7	5	-	-	4-6	4-6	5700	0	0
	Gorleston ...	1019·3	-8	WˈS	2	bc	38	75	6	8	7	-	2-3	4-6	2500	0	2
	Cranwell ...	1020·4	-4	W	3	bc	37	75	6	8	3	-	2-3	4-6	2500	0	*
3	Birmingham ...	1022·5	-8	NW	4	bc	38	75	6	5	3	-	2-3	4-6	4000	1	*
	Upper Heyford	1022·7	-4	NW	3	bc	37	75	6	5	-	-	2-3	2-3	4000	1	*
4	Ross-on-Wye ...	1023·4	-10	WNW	3	c	40	65	8	5	-	-	7-8	7-8	4000	1	*
5	Portland Bill...	1023·8	-2	NNW	2	bc	42	75	8	4	-	-	4-6	4-6	1500	0	2
	Plymouth ...	1025·7	0	NW	3	bc	42	65	6	5	4	9	2-3	2-3	4000	0	1
	The Lizard ...	1026·9	-2	NˈW	1	c	42	85	8	4	-	-	9	9	4000	0	1
	Scilly (St.Mary's)	1027·4	-2	NˈE	4	bc	42	85	8	1	4	-	1	4-6	4000	1	2
	Guernsey ...	1024·1	-6	NˈW	2	bc	43	55	7	7	3	-	4-6	4-6	2500	1	2
6	Pembroke ...	1025·6	-6	NW	3	c	44	55	8	7	7	-	4-6	9+	4000	0	1
7	Holyhead ...	1023·9	-12	NW	5	bc/pr	41	85	8	9	-	-	4-6	4-6	2500	1	2
	Chester (Sealand)	1022·6	-14	WNW	4	c/pr	40	75	8	9	-	-	9	9	1500	1	*
8	L'pool (Bidston)	1022·2	-8	NW	5	u	39	85	8	6	7	6	4-6	9	800	1	*
9	Harrogate ...	1020·0	-6	SW	2	b	36	85	8	-	3	-	0	Tr.	-	1	*
10	Spurn Head ...	1018·5	-6	NNW	4	c	40	85	7	5	7	-	4-6	7-8	2500	0	3
	Catterick ...	1019·1	-14	W	3	b	37	65	8	8	6	-	Tr.	1	4000	0	*
	Tynemouth ...	1019·0	-10	NW	2	bc/ps	35	95	6	2	-	-	4-6	4-6	2500	1	2
11	Inchkeith ...	1020·4	-10	WNW	4	c	37	65	8	8	7	-	4-6	9	1500	0	2
	Leuchars ...	1019·4	-2	NW	3	bcjp	35	75	9	9	6	3	1	2-3	1500	1	*
12	Renfrew ...	1021·3	-10	WNW	3	b	36	75	8	8	-	-	1	1	2500	1	*
	Eskdalemuir ...	1020·2	-10	WNW	4	bc	32	75	9	3	3	3	2-3	2-3	2500	4	*
13A	Tiree	1023·1	-4	NˈW	6	PH(R)	38	85	7	9	7	-	9+	10	800	1	4
13B	Stornoway ...	1022·4	0	NNW	2	c/phs	34	85	7	8	2	-	2-3	10	1500	6	1
15	Dalwhinnie ...	1022·0	-4	N	2	ss	30	95	6	4	-	-	10	10	800	8	*
	Aberdeen ...	1018·3	-8	NW	4	bcjp	30	95	8	3	-	-	2-3	2-3	2500	7	1
	Wick	1018·8	+6	NNW	4	c/ps	32	95	8	9	1	-	4-6	7-8	1500	6	3
16	Lerwick ...	1015·9	0	NNW	3	bc/ps	29	75	8	8	-	-	4-6	4-6	1500	6	*
17	Blacksod Point	1028·9	-4	N	3	c	43	95	9	5	-	-	7-8	7-8	800	0	3
18	Malin Head ...	1024·5	-16	NˈW	4	c/pr	38	95	7	9	8	-	4-6	7-8	800	1	2
	Aldergrove ...	1025·4	-8	WNW	3	c	36	95	8	8	-	-	9	9	800	1	*
	Donaghadee ...	1023·6	-16	WNW	2	phr	38	85	7	6	-	-	9	9	800	1	1
19	Birr Castle ...	1027·9	-6	NˈW	1	c	42	75	8	5	-	-	9	9	2500	1	*
20	Valentia Obsy.	1030·1	+2	NWˈN	3	bc	44	85	9	7	-	1	1	2-3	1500	0	1
	Roches Point...	1028·7	+2	N	3	bc	45	75	9	5	-	-	4-6	4-6	2500	0	2

PAST 24 HOURS.

Stations.	Weather. 7h.–13h. 17th. (37)	Weather. 13h.–18h. 17th. (38)	Weather. 18h. 17th. to 1h. 18th. (39)	Weather. 1h.–7h. 18th. (40)
London (Kew)...	$c3_o$	bcybf	bfbcm$_o$	$m_o$bc
Croydon ...	cmm$_o$	$bc3_o$y	bccm$_o$	bxpsfcm$_o$
S. Farnborough	cm$_o$c	bcyb3_o	bz_ocm$_o$	bccprs_o
Winchester ...	c	cb	bbc	bccsc
Boscombe Down	cm$_o$	$c3_o$bcby	bbcps$_o$	bccps$_o$ps
Calshot, S'thmtn	cm$_o$	cbcb3_o	bxcbx	cprs_o
Dungeness ...	c	bc	*	s
Lympne ...	cm$_o$c	byb	bm$_o$x	bccps$_o$
Shoeburyness	cbc	bc	bcm$_o$	bcis$_o$m$_o$
Felixstowe ...	cbcvy	bcbvybc	bccbc	bc
Gorleston ...	cbcp$_o$hq	bcq	bcblois	ocis
Cranwell ...	bcby	ybc	bcb,c	$s_o s_o$c
Birmingham ...	bc	bc	cpr$_o$	cbc
Upper Heyford	cbm$_o$y	$cb3_o$y	bcb	bcsm$_o$
Ross-on-Wye ...	cbc	bcybyc	bcbbco	psb
Portland Bill...	c	cbc	bcorr	orrc
Plymouth ...	cp$_o$ry	cybc3_o	$bc3_o$c	cprh
The Lizard ...	cpr$_o$c	c	cpr$_o$	cprc
Scilly (St.Mary's)	er	cirbc	bc	bcp$_o$q
Guernsey ...	codir	cbc	bc	bccp$_o$
Pembroke ...	cir$_o$cbc	bccy	bcbcqid$_o$	cqphsph
Holyhead ...	p$_o$rbc	cjp	p$_o$p$_o$rqc	prhbc
Chester (Sealand)	bcb	bcepr$_o$	cbc	bc
L'pool (Bidston)	bbvb	bbcprhuqc	cbcbb	xbvbc
Harrogate ...	b	b	b	bbcps$_o$
Spurn Head ...	bc	bcprs	cp$_o s_o$	oq,ssc
Catterick ...	by	bybcb	bcopsc	c'bc
Tynemouth ...	bc	bcp$_o$s	bcois$_o$	ois$_o$cq
Inchkeith ...	bcc	c	bc	pbc
Leuchars ...	bxyjp	ycp$_o$sbv	bx	b,cbcx
Renfrew ...	bxbeq	b	bx	bx
Eskdalemuir ...	bxbcy	bcyb	bx	bx
Tiree	bcPRq	bcprq	bcPHaγ	bcps
Stornoway ...	cphs	cphs	cbobc	bcps$_o$
Dalwhinnie ...	is	ss	*	is
Aberdeen ...	bcp$_o$s	bcps	bccis	bccis
Wick	cpsPHbc	cPSq	cpobc	bc
Lerwick ...	bccp$_o$s	cbcphs	bccphs	bcc
Blacksod Point	cbc	cbc	pr$_o$cq	pr$_o$cq
Malin Head ...	cphr	cphr	cphr	cPH
Aldergrove ...	p$_o$p$_o$c	cprhsbc	cr$_o s_o$c	c,bc
Donaghadee ...	bcp$_o$r	bccphr	cphrc	cprscq
Birr Castle ...	c	cpr$_o$c	cpr$_o$	cpr$_o$bcbx
Valentia Obsy.	cbcy	bcybbcv	bcvcpr$_o$	cpr$_o$ir
Roches Point...	cbcv	bcv	bcvbc	bcqpc

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, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—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 $\frac{1}{10}$ 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
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.

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.*

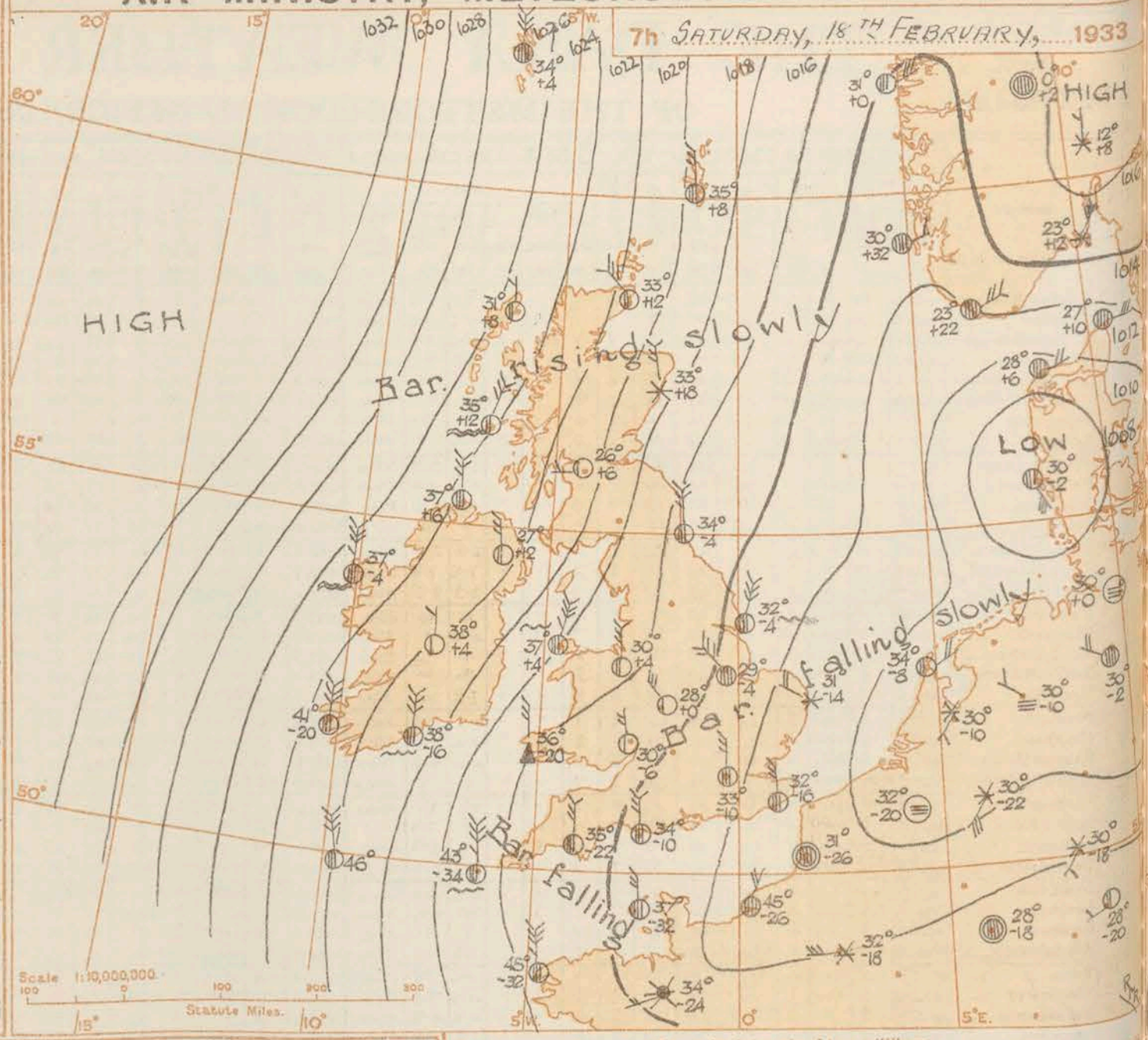
REPORTS from HEALTH RESORTS for 17th February 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 16th to 9h. 17th.	Temperature. Max. 9h.—17h. 17th.	Rainfall. Night. 17h. 16th to 9h. 17th.	Rainfall. Day. 9h.—17h. 17th.	Sunshine. Sunrise to 17h. 17th.	Sunshine. Sunrise to Sunset. 16th.
1	Tunbridge W.	oc	bcc	26	43	-	-	1·8	1·8
	Bournemouth	b	b	35	46	-	-	3·7	8·1
	Ventnor ...	pouc3	cob3	33	44	Trace	-	1·5	2·9
	Southsea ...	c	cb	34	45	-	-	1·8	3·3
	Bognor Regis	c	cbcb	?35	44	-	-	1·1	1·4
	Littlehampton	c	cbc	30	44	-	-	0·6	1·4
	Worthing ...	c	cbcc	33	45	-	-	1·6	0·7
	Brighton ...	obc	bbc	32	45	-	-	1·2	1·2
	Eastbourne†	o	ocb	34	45	-	-	0·0	4·6
	Hastings† ...	oc	cbcb	35	45	-	-	1·4	5·4
	Folkestone ...	om,bc	bcb	34	44	-	-	4·0	6·7
	Dover... ...	c	cmb	33	44	0·4	-	4·5	6·2
	Deal	oc	b	33	44	-	-	4·4	6·5
	Ramsgate ...	bcb	bm,	36	45	-	-	4·9	6·9
	Margate ...	cbc	bc	36	42	-	-	5·5	6·8
2	Southend ...	omcb	bm	35	46	-	-	5·2	3·5
	Maldon ...	cb	b	33	44	-	-	5·8	4·3
	Clacton-on-Sea	cbc	bcy	34	44	-	-	6·7	5·4
	Dovercourt ...	zbc	b	37	45	-	-	6·7	4·9
	Lowestoft ...	brs,b	b	36	43	-	Trace	7·6	3·1
	Skegness ...	b	b	34	43	Trace	-	8·0	3·0
	Mablethorpe	b	bbc	32	44	0·5	-	8·4	3·3
	Cleethorpes...	bm	b	34	44	Trace	-	7·9	2·2
3	Leamington S.	cbc	bcc	38	43	-	-	6·4	2·8
4	Cheltenham†	bcmbc	bbcc	35	44	Trace	-	5·9	4·0
5	Bath	bbc	bcb	29	46	Trace	-	6·6	7·1
	Weymouth ...	c	cb	38	47	-	-	1·7	7·4
	Jersey ...	pcrc	c	35	46	Trace	1	0·2	3·0
	Torquay ...	odbp	ocbcb	31	48	Trace	-	1·8	7·3
	Penzance ...	rcbcp	brcb	35	R46	2	1	1·2	7·6
	St. Ives ...	p	c	37	47	-	1	0·0	6·2
	Bude	prc	cbcc	30	46	2	-	2·3	3·1
	Ilfracombe ...	cbc	bcc	41	45	-	-	1·4	3·5
6	Aberystwyth	cr,c	c	32	43	0·5	-	2·6	0·7
7	Llandudno ...	bcc	cbcr	40	45	0·4	0·6	4·0	1·3
	Colwyn Bay ...	bbcc	bcc	40	44	0·3	-	4·6	1·8
	Rhyl	bbc	cphr	33	44	0·3	0·2	5·2	0·3
8	Wallasey ...	bbc	bccrc	38	45	0·3	1	5·6	0·0
	Southport‖ ...	b	bbcc	36	45	0·3	-	6·7	0·0
	Blackpool ...	bbc	bc	37	44	-	-	7·4	0·4
	Morecambe ...	cbbc	b	32	43	Trace	-	7·6	0·0
9	Ilkley... ...	b	b	30	46	-	-	7·9	2·7
10	Berwick-on-T.	b	bqbc	31	42	-	Trace	6·6	0·0
11	Dunbar ...	bcx	bc	31	42	-	-	4·8	0·2
12	Troon... ...	zbcbc	rcpc	36	43	-	1	4·7	0·1
	Douglas ...	bccbc	thir,bc	35	41	1	2	42	0·7

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h SATURDAY, 18TH FEBRUARY, 1933



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 18th Feb, 1933.
1. S.E. England 2. E. England... 3. E. Midlands	Moderate northerly wind; cloudy, bright intervals; showers of snow or sleet; cold, frost at night.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Moderate or fresh northerly wind; bright intervals; local showers of hail, sleet or snow; cold, local frost at night.
9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. {A. W. Scotld. B. N.W. Scotland.} 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate northerly wind; fresh locally; variable sky, showers of hail, or snow; cold, frost at night.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 4 - 8.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◯ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— ◯ Clear sky. ◔ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 5/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✳ Snow. ✳ Sleet ▲ Hail. ≡ Fog ≡ Mist. T Thunder. ⊠ Thunderstorm.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

Pressure is highest in Eastern Greenland and a belt of high pressure extends southward from there to west and southwest of Ireland. Pressure is relatively low over Central Europe and secondaries over Holland and Denmark will move south. Winds will be northerly and weather cold with local snow or sleet showers.

FURTHER OUTLOOK.

Cold with local wintry showers.

Forecasts issued at 1015 G.M.T.

G. C. SIMPSON, 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.

Morning of
Saturday,
18TH FEBRUARY,
1933.

Clarke'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 the wind. Number of feathers indicate Beaufort Force.
⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 18th February 1933.

No. 26021

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

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	*	*	*	*	*	*	85 ~~88~~	*	*	*	*	*	*	*
	Croyden ...	217	1016·9	-26	W's	3	bc	35	~~78~~	6	5	-	-	4-6	4-6	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8	1018·3	-26	W	4	C	34	85	7	5	-	-	10	10	4000
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1016·8	-22	NW'N	3	bc	30	95	5	5	-	-	2-3	2-3	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1014·8	-18	NW	3	is	34	95	5	6	-	-	10	10	800
	Cranwell ...	240	1016·0	-16	NW'W	4	C	33	85	6	5	-	-	9	9	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1019·6	-24	NW	3	rr	39	95	7	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1022·6	-24	NW	3	pr.	43	75	8	8	-	-	9+	9+	4000
	Scilly(St.Mary's)	163	1024·1	-30	N'W	6	bc	44	75	8	5	-	-	2-3	2-3	4000
	Guernsey ...	175	1020·3	-24	NNW	3	bc	42	75	7	8	-	-	4-6	4-6	2500
6	Pembroke ...	142	1022·2	-20	NW	4	q	42	65	7	5	-	-	7-8	7-8	2500
7	Holyhead ...	26	1019·1	-18	N	6	PH(R)	35	95	6	9	-	-	10	10	1500
	Chester (Sealand)	16	*	*	*	*	-	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1014·7	-6	NNW	4	C	35	85	7	5	2	-	4-6	9	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1017·7	-4	NNW	4	is.	31	95	6	6	-	-	10	10	1500
11	Inchkeith ...	190	1019·6	+2	NNW	1	b	32	95	8	5	4	-	1	1	4000
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1023·3	+4	N	2	bc	31	85	7	8	-	-	2-3	2-3	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1019·2	+2	NNW	4	bc	29	95	8	3	-	-	2-3	2-3	2500
16	Lerwick ...	54	1016·9	+10	NNW	5	bc	35	85	8	5	-	-	2-3	2-3	1500
17	Blacksod Point	18	1025·7	-18	N	6	q	44	85	8	3	-	-	4-6	4-6	800
18	Malin Head ...	52	1022·4	-2	N	5	ph(r)	36	95	7	9	2	-	9	9+	800
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1027·3	-14	NW'W	4	ir	45	85	7	6	-	-	9	9	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)...	1012·8	-14	N	4	bc	33	75	7	5	3	1	4-6	4-6	2500	4	*
	Croyden ...	1012·4	-10	N	3	c/ps	33	85	6	9	3	-	9	9+	1500	6	*
	S. Farnborough	1012·8	-10	N	3	c/ps	33	85	7	8	-	-	7-8	7-8	2500	1	*
	Winchester ...	1013·1	-10	NNW	2	c	31	95	7	5	-	-	7-8	7-8	2500	6	*
	Boscombe Down	1013·4	-10	N'W	3	c	31	95	6	5	7	-	4-6	7-8	1500	5	*
	Calshot,(S'thmtn)	1012·4	-12	NNW	4	c	35	85	6	8	2	-	4-6	10	1500	0	2
	Dungeness ...	*	*	NW	1	c	*	*	6	5	-	*	9	9	1500	*	0
	Lympne ...	1011·6	-16	N'W	3	c/ps.	32	95	5	9	-	-	9	9	800	4	*
2	Shoeburyness	1012·0	-16	NNW	3	is.	31	95	6	6	7	-	2-3	4-6	800	0	*
	Felixstowe ...	1011·4	-10	NW'N	3	bc	30	95	7	5	-	8	2-3	4-6	2500	0	1
	Gorleston ...	1011·0	-14	WNW	2	is	31	95	6	9	-	-	9	9	1500	7	2
	Cranwell ...	1013·9	-4	NW'N	5	o/s.	29	95	7	6	-	-	10	10	800	8	*
3	Birmingham ...	1015·3	0	NNW	3	b	28	85	5	-	3	-	0	1	-	1	*
	Upper Heyford	1014·3	-8	N	3	c	29	85	6	-	3	-	0	7-8	-	8	*
4	Ross-on-Wye ...	1015·3	-6	N'W	2	b	30	95	8	5	-	-	Tr.	Tr.	4000	4	*
5	Portland Bill...	1013·1	-10	N	4	c	34	95	8	8	2	-	7-8	10	1500	7	2
	Plymouth ...	1014·6	-22	N	4	c/prh	35	95	8	9	-	3	7-8	7-8	450	1	1
	The Lizard ...	1016·7	-16	W'N	5	r.r.	36	95	8	8	-	-	10	10	2500	1	2
	Scilly(St.Mary's)	1016·2	-34	NNW	7	jp	43	75	7	8	4	-	7-8	7-8	2500	1	4
	Guernsey ...	1013·7	-32	N	3	c/pr.	37	85	8	8	-	-	7-8	7-8	2500	1	3
6	Pembroke ...	1015·4	-20	N	3	ph.	36	85	7	8	-	-	9+	9+	1500	6	2
7	Holyhead ...	1018·0	+4	NNE	7	c	37	65	9	2	-	-	7-8	7-8	2500	1	4
	Chester (Sealand)	1017·2	+4	N	4	bc	30	75	7	5	-	-	2-3	2-3	5700	4	*
8	L'pool (Bidston)	1016·9	+6	NNE	4	bc	30	75	8	7	-	-	2-3	2-3	4000	4	*
9	Harrogate ...	1015·8	0	N	2	bc	28	85	8	6	4	1	2-3	2-3	2500	6	*
10	Spurn Head ...	1012·2	-4	NNE	6	c	32	95	7	3	6	-	4-6	7-8	1500	7	4
	Catterick ...	1016·2	-4	NW	4	bc	29	75	8	5	-	-	2-3	2-3	2500	8	*
	Tynemouth ...	1014·6	-4	NNW	5	c	34	85	8	6	-	-	7-8	7-8	1500	8	*
11	Inchkeith ...	1019·7	+4	NW	3	bc	30	75	8	5	-	-	4-6	4-6	2500	4	2
	Leuchars ...	1019·3	-4	NW	4	bc	32	65	8	5	3	-	2-3	4-6	2500	4	*
12	Renfrew ...	1021·5	+6	W	1	b	26	75	7	5	-	-	1	1	4000	4	*
	Eskdalemuir ...	1018·8	0	N	5	b	25	65	9	5	-	1	Tr.	Tr.	4000	4	*
13A	Tiree	1024·0	+12	NNE	5	bc	35	75	9	4	-	-	4-6	4-6	1500	6	5
13B	Stornoway ...	1025·0	+8	N	1	bc	31	85	8	8	6	-	2-3	4-6	1500	6	1
15	Dalwhinnie ...		+12	N	2	bc	25	95	8	4	-	-	2-3	2-3	1500	8	*
	Aberdeen ...	1018·8	+18	NNW	4	is	33	95	4	9	-	-	10	10	1500	8	1
	Wick	1020·9	+12	NW	4	bc	33	95	8	3	7	-	2-3	4-6	2500	6	3
16	Lerwick ...	1019·6	+8	NNW	3	c	35	85	8	5	~~2~~ 2	~~1~~ -	4-6	9+	1500	6	*
17	Blacksod Point	1025·1	-4	N	7	q	37	95	8	9	-	-	7-8	7-8	450	1	5
18	Malin Head ...	1023·5	+16	N	5	jp	37	75	7	6	8	-	4-6	7-8	800	6	2
	Aldergrove ...	1022·2	+12	NNW	3	bc	27	85	8	8	-	-	2-3	2-3	1500	5	*
	Donaghadee ...	1020·9	+20	NNE	6	q	36	65	7	9	-	-	7-8	7-8	1500	1	3
19	Birr Castle ...	1021·2	+4	NNW	1	b	38	95	8	-	4	-	0	1	-	1	*
20	Valentia Obsy.†	1022·8	-20	N	6	c/r	41	85	8	6	-	-	9+	9+	1500	1	*
	Roches Point...	1020·2	-16	N	6	c	38	95	8	3	-	-	7-8	7-8	1500	0	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 17th Hrs. (36)
1	London (Kew)...	44	33	26	-	-	3·6
	Croyden ...	44	33	29	-	0·2	2·9
	S. Farnborough	46	33	22	-	Tr.	2·5
	Winchester ...	43	31	24	-	0·2	2·8
	Boscombe Down	43	30	24	-	0·2	4·6
	Calshot,(S'thmtn)	43	32	23	-	Tr.	1·7
	Dungeness ...	45	29	*	-	Tr.	*
	Lympne ...	42	30	26	-	Tr.	4·2
2	Shoeburyness	45	30	25	-	Tr.	5·3
	Felixstowe ...	45	30	22	-	-	6·9
	Gorleston ...	43	30	30	0·3	2	7·2
	Cranwell ...	43	26	24	-	0·3	7·8
3	Birmingham ...	42	27	23	-	0·4	6·4
	Upper Heyford	43	29	25	-	0·4	*
4	Ross-on-Wye ...	45	29	~~27~~ 32	-	Tr.	5·9
5	Portland Bill...	46	33	*	-	2	*
	Plymouth ...	46	33	27	Tr.	2	0·9
	The Lizard ...	46	36	*	0·3	2	*
	Scilly(St.Mary's)	48	40	*	2	Tr.	1·2
	Guernsey ...	46	36	33	0·1	0·2	0·1
6	Pembroke ...	47	33	*	Tr.	2	5·6
7	Holyhead ...	44	35	33	0·2	1	3·9
	Chester (Sealand)	44	30	25	Tr.	-	6·0
8	L'pool (Bidston)	42	30	28	0·3	-	5·6
9	Harrogate ...	44	28	24	-	Tr.	7·9
10	Spurn Head ...	42	30	*	Tr.	2	8·6
	Catterick ...	42	28	23	-	1	7·5
	Tynemouth ...	43	30	26	0·1	0·3	*
11	Inchkeith ...	42	29	23	-	-	5·8
	Leuchars ...	43	28	20	Tr.	-	7·0
12	Renfrew ...	43	24	15	-	-	7·9
	Eskdalemuir ...	40	24	18	-	-	7·4
13A	Tiree	42	32	30	2	1	5·3
13B	Stornoway ...	40	28	*	1	0·2	4·7
15	Dalwhinnie ...	36	20	12	2	Tr.	2·2
	Aberdeen ...	38	28	19	1	4	3·0
	Wick	37	28	*	2	0·2	*
16	Lerwick ...	35	29	*	0·8	Tr.	3·9
17	Blacksod Point	47	35	*	-	1	*
18	Malin Head ...	43	31	*	2	2	2·1
	Aldergrove ...	42	27	23	1	2	1·8
	Donaghadee ...	42	32	*	3	3	*
19	Birr Castle ...	46	32	29	Tr.	1	1·8
20	Valentia Obsy.†	49	39	38	-	1	6·8
	Roches Point...	49	38	*	-	1	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except Greenwich & Hampstead rainfall, 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	c3o	bcybs	bfbcmbc	44	33	26	-	-	3·6	*	*	6
Croydon	217	cmmo	bc3oy	bccmxpss	44	33	29	-	0·2	2·9	*	*	5
Greenwich (Royal Observatory) ...	149	cmbc3y	bcb3y	bcdcmo	44	31	28	-	Tr.	1·3	45	85	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	2·7	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	46	31	27			2·9	39	80	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	49	30	26			3·4	51	88	*
Camden Square	110	cb	bcb	*	46	30	26	-	1	*	*	86	*
Kensington	80	cbc	bc	*	45	31	28	-	1	3·5	At 18h. 86		*
Hampstead Observatory	450	o	bc	os	44	27	24	-	1	4·7	50 *	95	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
1·0	22hrs. 17th	Nil.	1-7 hrs. 18th

Kew Observatory. Max.	Time.	Min.	Time.
0·8	20hrs. 17th	0·1	4 hrs. 18th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 17th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 18th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1021·1	-	0	o	39	1012·1	W	3	sf	32
Brussels	1019·5	NW'W	3	c	34	1009·6	-	0	f	32
Berlin	1006·0	W	5	c	36	1006·0	NW	3	S_oS_o	30
Zürich	1020·6	NW	2	sg	30	1012·6	SW	1	is.	28
Rome	1009·5	N	5	b	43	1006·7	NE	3	bc	28

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
41	30	Tr.	0·3
43	27	Tr.	?
36	30	2	4
36	28	Tr.	5
54	25	-	-

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; 26/- per year.

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

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 19TH February, 1933.

No. 26022

Dist.	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 18TH 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)	1012.1	-4	NNE	4	c	36	65	6	5	-	-	9	9	1500
	Croydon	1012.1	-6	N'W	3	c	35	75	4	5	-	-	9	9	1500
	S. Farnborough	1012.4	-4	N'W	3	c	36	65	7	8	-	-	9+	9+	2500
	Winchester	1012.9	-2	N	4	c	33	85	8	8	-	-	9+	9+	1500
	Boscombe Down	1012.9	-8	N	5	c	34	75	6	5	-	-	7-8	7-8	1500
	Calshot, S'thmtn	1012.4	-2	N	5	q	36	65	7	8	-	-	9	9	2500
	Dungeness	*	*	NNW	2	c	*	*	7	2	-	*	7-8	7-8	1500
	Lympne	1010.9	-8	N	3	c	35	85	8	8	-	-	9	9	1500
2	Shoeburyness	1010.7	-6	N'E	4	c	41	55	8	8	8	-	7-8	7-8	1500
	Felixstowe	1010.6	-8	NNW	4	bc	40	55	9	8	-	-	4-6	4-6	4000
	Gorleston	1010.5	-4	NW'N	3	bc	38	95	6	8	-	-	4-6	4-6	2500
	Cranwell	1012.5	-14	NW	4	c	35	95	6	8	3	1	7-8	7-8	1500
3	Birmingham	1015.1	-2	NNW	4	$s_o s_o$	33	85	4	5	-	-	9+	9+	1500
	Upper Heyford	1013.3	-10	NNE	4	c	37	65	6	8	-	+1	7-8	9	1500
4	Ross-on-Wye	1015.2	-4	N	4	bc	36	65	7	1	-	-	2-3	2-3	4000
5	Portland Bill	1012.6	-6	NNE	4	bc	35	85	8	4	-	-	4-6	4-6	2500
	Plymouth	1014.6	+2	NNE	6	bc	38	55	8	1	-	-	2-3	2-3	4000
	The Lizard	1015.3	0	NE'N	5	bc	38	55	8	7	-	-	2-3	2-3	4000
	Scilly (St. Mary's)	1015.8	+6	NE'N	7	c/ps	38	75	7	9	-	-	7-8	7-8	2500
	Guernsey	1012.0	-2	NNE	5	bc	38	65	7	8	-	-	4-6	4-6	2500
6	Pembroke	1018.0	+2	NNE	4	bc	37	65	8	5	4	-	2-3	4-6	4000
7	Holyhead	1019.7	0	N'E	7	c	39	65	8	4	-	-	7-8	7-8	2500
	Chester (Sealand)	1017.7	-2	NW'N	4	c	37	66	7	5	-	-	9	9	2500
8	L'pool (Bidston)	1017.8	0	N	4	c	36	65	8	8	1	-	7-8	9	2500
9	Harrogate	1014.6	-6	N	4	ps	34	95	8	3	-	-	7-8	7-8	2500
10	Spurn Head	1010.9	-4	NW'N	3	is	36	95	6	3	7	-	4-6	7-8	1500
	Catterick	1015.1	-2	NNW	5	c/s	33	95	8	6	-	-	7-8	7-8	800
	Tynemouth	1014.5	0	N	6	c/s	38	85	7	6	-	-	7-8	7-8	1500
11	Inchkeith	1019.8	-4	N	5	bc	38	55	8	1	4	-	2-3	2-3	4000
12	Leuchars	1020.0	+2	N	4	bc	38	55	8	7	5	-	1	2-3	2500
	Renfrew	1021.7	-4	NNE	2	b	41	45	8	1	-	-	Tr	Tr	4000
	Eskdalemuir	1018.7	+4	N	5	b	37	55	8	1	-	-	1	1	2500
13A	Tiree	1025.1	-4	N	5	c	39	55	9	4	-	-	7-8	7-8	~~3500~~ 2500
13B	Stornoway	1024.7	-6	NNW	1	c	39	75	9	8	6	-	4-6	7-8	1500
15	Dalwhinnie	-	0	N	1	c	32	95	8	4	4	-	7-8	10	2500
	Aberdeen	1019.4	0	NW	3	o/ps	36	65	8	5	-	-	10	10	4000
	Wick	1020.5	-6	NNW	4	c	37	85	8	8	-	-	9	9	2500
16	Lerwick	1018.3	-6	NNE	5	psh	38	75	8	8	-	4	4-6	7-8	1500
17	Blacksod Point	1027.9	+8	N	6	bc	41	85	8	3	8	-	4-6	4-6	450
18	Malin Head	1024.7	+10	N	5	bc	39	75	8	4	-	-	2-3	2-3	2500
	Aldergrove	1024.0	+4	NW	4	b	36	75	8	4	-	-	Tr	Tr	2500
	Donaghadee	1022.9	+4	NNE	3	bc	39	65	7	8	-	-	2-3	2-3	2500
19	Birr Castle	1024.3	+8	NNE	3	bc	38	65	8	1	-	-	2-3	2-3	2500
20	Valentia Obsy.	1025.6	+8	NNE	5	bc	40	55	9	7	-	-	2-3	2-3	2500
	Roches Point	1022.6	+10	N	5	bc	39	55	9	8	-	-	4-6	4-6	1500

Dist.	Stations.	OBSERVATIONS at 18h. G.M.T. 18TH 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)	1011.4	0	NNW	4	s	34	75	6	5	-	-	10	10	1500	1	*
	Croydon	1010.7	-4	NW	3	c	36	75	4	8	-	-	9+	9+	1500	1	*
	S. Farnborough	1011.6	+2	NNW	2	is	34	85	4	6	-	-	10	10	1500	1	*
	Winchester	1012.2	+2	NNW	4	c	34	85	6	5	1	-	7-8	9	1500	1	*
	Boscombe Down	1012.6	+2	NNW	4	is_o	34	75	6	6	-	-	7-8	7-8	800	1	*
	Calshot, S'thmtn	1011.8	+2	NNW	5	q	36	65	6	5	-	-	9+	9+	1500	0	3
	Dungeness	*	*	NNW	2	c	*	*	6	8	-	*	2-3	2-3	1500	*	1
	Lympne	1010.1	+4	N	3	bc	32	75	7	8	-	1	2-3	4-6	2500	1	*
2	Shoeburyness	1010.2	-4	NE	3	c	35	75	7	5	7	-	4-6	7-8	1500	0	*
	Felixstowe	1009.8	0	N	2	c/s	33	95	6	9	-	6	4-6	7-8	1500	1	1
	Gorleston	1009.6	-2	NNW	5	psh	34	95	6	9	-	-	7-8	7-8	1500	6	3
	Cranwell	1013.2	+16	NNW	5	ps	32	95	4	3	-	-	9+	9+	800	6	*
3	Birmingham	1014.5	+2	NNW	5	is_o	34	85	5	6	2	-	7-8	9+	1500	1	*
	Upper Heyford	1013.0	-2	NNW	4	c/ps	33	95	6	5	-	1	9+	9+	1500	6	*
4	Ross-on-Wye	1015.1	0	N	4	b	35	75	7	8	-	-	1	1	4000	1	*
5	Portland Bill	1012.0	-4	NNE	4	bc	36	85	8	4	-	-	4-6	4-6	2500	0	3
	Plymouth	1015.1	+8	N	3	bc	37	65	7	7	-	-	2-3	2-3	4000	1	2
	The Lizard	1016.3	+6	NNE	4	bc	36	65	8	4	-	-	4-6	4-6	4000	1	2
	Scilly (St. Mary's)	1017.2	+8	NNE	7	ps	39	75	7	9	-	-	7-8	7-8	2500	1	4
	Guernsey	1012.1	+8	NNE	5	bc/s	38	65	6	8	-	-	4-6	4-6	2500	0	4
6	Pembroke	1019.5	+4	N	4	c	38	65	7	8	-	-	7-8	7-8	2500	6	2
7	Holyhead	1019.6	0	N'W	6	bc	39	55	8	4	-	-	2-3	2-3	2500	1	3
	Chester (Sealand)	1018.0	+10	NNW	4	c	38	65	6	5	-	-	7-8	7-8	4000	0	*
8	L'pool (Bidston)	1018.0	+2	N'E	4	bc	37	65	8	7	-	-	2-3	2-3	2500	0	*
9	Harrogate	1015.8	0	NNW	3	c/s	32	95	7	8	-	-	9+	9+	4000	8	*
10	Spurn Head	1011.5	+6	N'E	6	ps	36	95	7	3	7	-	4-6	7-8	1500	6	4
	Catterick	1015.7	-2	NNW	5	c	34	75	8	9	-	-	9	9	1500	7	*
	Tynemouth	1015.2	-4	N	6	c/rs	38	85	7	6	-	-	7-8	7-8	1500	1	4
11	Inchkeith	1019.6	-6	NW	4	bc	36	55	8	1	4	1	2-3	4-6	4000	4	2
12	Leuchars	1018.6	-6	NW	4	c	37	56	9	4	-	1	7-8	7-8	4000	1	*
	Renfrew	1020.2	-10	NNW	3	b	35	55	8	1	3	-	Tr	1	4000	4	*
	Eskdalemuir	1018.8	-2	N	5	b	32	55	9	4	-	-	Tr	Tr	4000	4	*
13A	Tiree	1022.5	-12	N	6	bc/r	39	75	8	8	-	-	4-6	4-6	1500	1	4
13B	Stornoway	1024.7	+4	NNE	2	p/r	35	95	7	8	6	-	4-6	7-8	1500	6	1
15	Dalwhinnie	-	-4	N	3	c	31	95	7	4	2	-	4-6	10	2500	8	*
	Aberdeen	1017.2	-4	NW	4	bc/p	35	75	8	3	3	-	4-6	4-6	1500	7	2
	Wick	1019.9	0	N	5	prs	34	95	8	9	7	8	4-6	10	1500	6	3
16	Lerwick	1019.6	+20	NE	5	psh	35	85	7	8	-	-	7-8	7-8	1500	6	*
17	Blacksod Point	1025.7	-4	N	1	bc	38	95	9	3	-	-	4-6	4-6	800	1	2
18	Malin Head	1023.3	-8	N	5	c	40	75	8	5	-	-	9+	9+	2500	1	2
	Aldergrove	1022.2	-12	NNW	4	bc	34	65	8	4	-	-	2-3	2-3	4000	4	*
	Donaghadee	1021.4	-10	NNE	4	bc	38	65	7	8	-	-	2-3	2-3	2500	0	2
19	Birr Castle	1023.9	0	NNE	2	b	36	75	8	4	-	-	1	1	2500	0	*
20	Valentia Obsy.	1026.2	+2	NE'N	3	bc	39	65	9	8	-	1	4-6	4-6	2500	1	2
	Roches Point	1022.9	+6	N	5	bc	38	65	9	8	-	-	2-3	2-3	1500	0	2

PAST 24 HOURS.

Dist.	Stations.	Weather. 7h.–13h. 18TH (37)	13h.–18h. 18TH (38)	18h. 18TH – 1h. 19TH (39)	1h.–7h. 19TH (40)
1	London (Kew)	c	bcycs	$cps_o bc$	$bcc ss_o$
	Croydon	$cm_o s m$	$cmbcm_o$	cm_o	$cm_o s_o$
	S. Farnborough	$bcc s_o m_o$	$bcyps_o c$	$ismb, c$	cis_o
	Winchester	$csm_o c$	$cpsm_o$	$cmbcb$	$bxbccs_o$
	Boscombe Down	$bcis_o m c$	$cs_o bcm_o$	$cps_o b$	$bccis_o$
	Calshot, S'thmtn	$bcm_o c_o q$	$bcqcq$	$cpts_o cbcbq$	$bbcqqps_o$
	Dungeness	c	s	*	bc
	Lympne	$cm_o c$	$cps bc$	$bc ps_o h_o$	$bcps_o bc$
2	Shoeburyness	$bcm_o cbcy$	$cybcc$	$cbcbx$	$bxbcx$
	Felixstowe	$bcps_o bcyv$	$bcyvcs_o m_o$	$cms_o cbc$	$bccssc$
	Gorleston	$cisbc$	$bccpsq$	$cpshbc$	$bccq$
	Cranwell	$bccps_o$	$ps bcps$	$cpomc$	$cmps$
3	Birmingham	bcc	cis_o	cps_o	cps
	Upper Heyford	$bccs_o$	$cmps$	$cps_o bc$	cps
4	Ross-on-Wye	$bccb$	$ccq ps_o$	$bccpq bc$	bcb
5	Portland Bill	c	bc	bcb	$bbcc$
	Plymouth	$cpsm_o bcy$	bcy	bc	bc
	The Lizard	$cpcy rsps_o$	bc	bc	$bcps_o$
	Scilly (St. Mary's)	$cqpsq$	$ps_o bc$	2 poq	bcq
	Guernsey	$cs_o bc$	$csh_o c$	$is_o bc$	c
6	Pembroke	$cqpsmc$	$cqphsc$	bcq	$bcps q$
7	Holyhead	$jpbc$	bc	$ybcb_o$	bc
	Chester (Sealand)	$b cps_o$	$ps_o bc$	bcb	bcb
8	L'pool (Bidston)	$bcps_o c$	cbc	bcb	b
9	Harrogate	$cbps$	$cbcis$	cb	$cbis$
10	Spurn Head	cis	qps	$q psc$	$slcq$
	Catterick	$cSSmps$	$cPS_o mc$	$bcpsc$	$cpsm_o$
	Tynemouth	$ciscq$	$crsq$	$cpsh$	$cpshq$
11	Inchkeith	bc	bc	bc	bc
12	Leuchars	$cbxby$	$bcqyo$	$bcyps b$	$cps bv$
	Renfrew	bxy	by	bx	bx
	Eskdalemuir	$bcps_o b$	by	$cps bc$	$bccps$
13A	Tiree	vy	$bcepr_o$	$bcpr$	$q pr$
13B	Stornoway	$bccps_o$	$cprsh$	$cpsbc$	$bcps$
15	Dalwhinnie	bc	cs	*	bc
	Aberdeen	$csps_o$	$bccps$	$bccis$	$cisbc$
	Wick	bcc	$cprsq$	$prshq$	$cpsbc$
16	Lerwick	$cpsh$	$cpshq$	$cpshbc$	$bccpsh$
17	Blacksod Point	phq	prc	$prc qr$	$prcq$
18	Malin Head	cbc	bcc	$cprbc$	bcc
	Aldergrove	$bcps_o b$	$bvbc$	bcb	bcx
	Donaghadee	$cbcb$	b	bq	$bpsbq$
19	Birr Castle	bbc	bcb	bx	bx
20	Valentia Obsy.	$cir_o bcvy$	$bcyv$	$vbc pr$	$bcpr$
	Roches Point	$cbcvy$	bcv	$bcvbc$	bcx

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, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
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 8, 23.—FORM OF LOW CLOUD.

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

Note.—Nimbus—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 $\frac{1}{10}$ 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

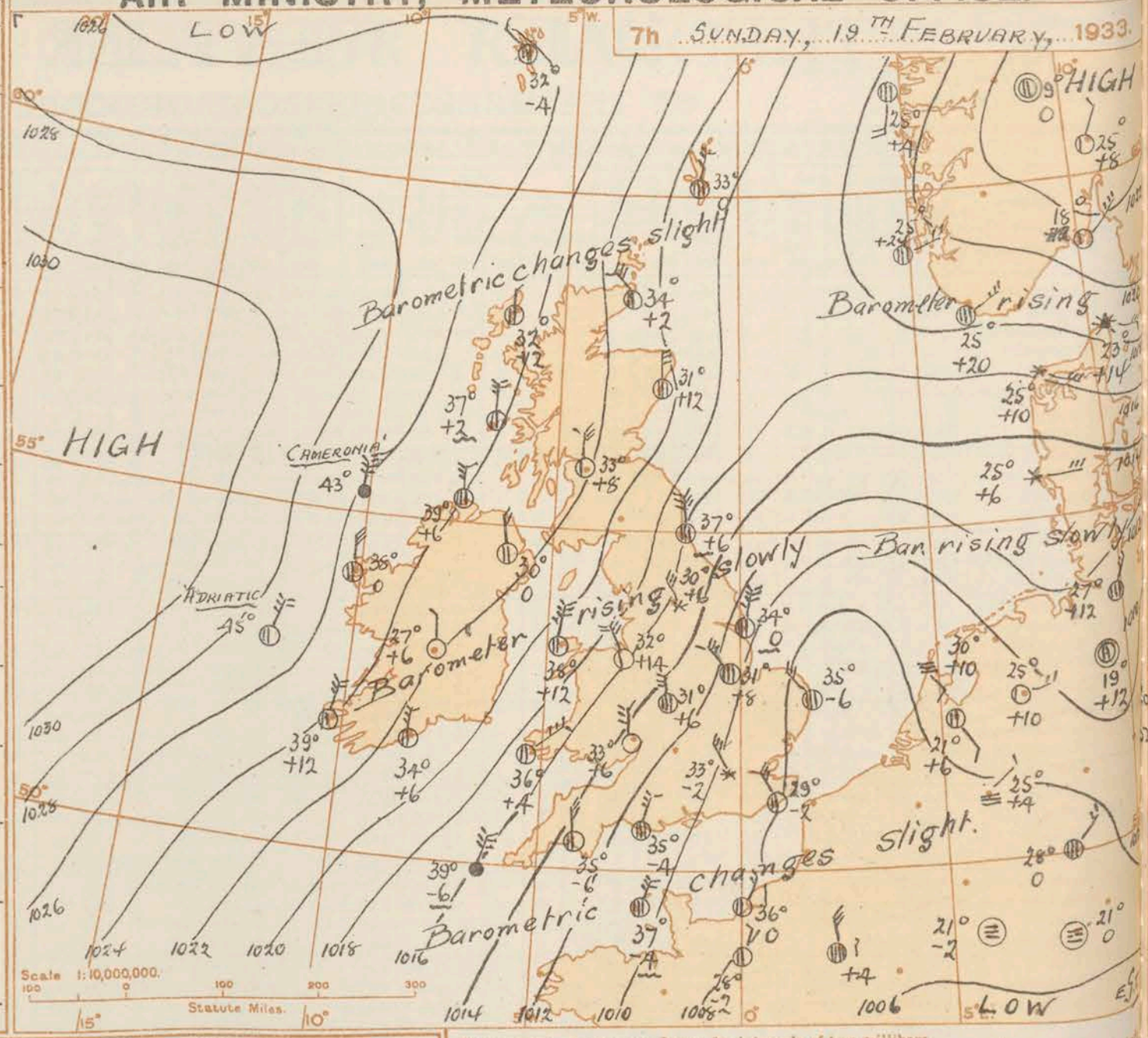
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

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.*

REPORTS from HEALTH RESORTS for 18TH FEBRUARY, 1933.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 17TH to 9h. 18TH	Temperature. Max. 9h.—17h. 18TH	Rainfall. Night. 17h. 17TH to 9h. 18TH	Rainfall. Day. 9h.—17h. 18TH	Sunshine. Sunrise to 17h. 18TH	Sunshine. Sunrise to Sunset. 17TH
1	Tunbridge W.	oc	bccbc	26	39	Tr	–	2.7	1.8
	Bournemouth	sc	c	31	38	4	–	2.8	3.7
	Ventnor ...	pbcbs	bccu	34	38	Tr	–	5.4	1.5
	Southsea ...	bc	bc	33	39	1	–	3.5	1.8
	Bognor Regis	bc	bc	35	39	–	–	3.6	1.1
	Littlehampton	bc	bc	32	38	Tr	–	4.6	0.6
	Worthing ...	cbc	cbc	33	38	–	–	2.7	1.6
	Brighton ...	bccbc	bc	31	39	Tr	–	3.8	1.2
	Eastbourne†	cbc	bcs b	31	41	–	Tr	5.4	0.0
	Hastings† ...	cbcc	copsb	31	40	–	Tr	3.9	1.4
	Folkestone ...	scbc	bcis	32	40	0.6	Tr	2.9	4.0
	Dover... ...	c	cqshbc	34	39	–	0.4	1.8	4.5
	Deal	orsc	b	33	40	–	1	2.6	4.4
	Ramsgate ...	c	cbc	33	40	–	–	4.0	4.9
	Margate ...	cbc	bc	33	39	–	–	4.5	5.5
2	Southend ...	ombc	bm	31	41	0.2	–	4.9	5.2
	Maldon ...	scbc	cs bc	31	40	Tr	Tr	4.1	5.8
	Clacton-on-Sea	bc	bc	31	41	–	–	6.9	6.7
	Dovercourt ...	xbc	bc	31	38	–	–	5.3	6.7
	Lowestoft ...	b	bceps	25	38	4	0.3	4.6	7.6
	Skegness ...	bcsb	bsobc	31	38	0.3	3	3.8	8.0
	Mablethorpe	bccis	cqis	30	39	1	0.3	3.6	8.4
	Cleethorpes...	bmis	bis	31	39	5	1	3.0	7.9
3	Leamington S.	bbc	cps	30	39	0.3	0.4	3.5	6.4
4	Cheltenham†	omcbc	cism	29	38	2	Tr	3.0	5.9
5	Bath	bcc	bces	32	38	2	Tr	3.4	6.6
	Weymouth ...	b	cbcb	32	38	1	–	6.3	1.7
	Jersey ...	pscbs	bceps	37	41	0.5	0.3	3.6	0.2
	Torquay ...	phrbc	bcq	34	39	3	–	7.5	1.8
	Penzance ...	rhsbc	b	35	41	5	0.5	6.4	1.2
	St. Ives ...	irsbc	b	37	40	4	1	5.1	0.0
	Bude	prsbc	bc	30	38	1	–	6.5	2.3
	Ilfracombe ...	bc	bc	36	39	–	–	6.0	1.4
6	Aberystwyth	cphrb	bbc	32	39	4	–	7.4	2.6
7	Llandudno ...	bcc	c	34	40	7	–	1.7	4.0
	Colwyn Bay...	bcoc	bcoc	33	40	4	–	0.8	4.5
	Rhyl	bcc	c	33	40	2	–	2.2	5.2
8	Wallasey ...	bbcc	csbc	31	40	–	Tr	4.6	5.6
	Southport‖ ...	bbcb	bbc	30	40	0.2	–	7.7	6.7
	Blackpool ...	bbc	bcc	30	40	Tr	–	4.8	7.4
	Morecambe ...	bbc	b	30	39	–	–	6.2	7.6
9	Ilkley... ...	bcs	bcs	28	39	–	2	5.2	7.9
10	Berwick-on-T.	oHsc	sc	32	38	2	2	1.0	6.6
11	Dunbar ...	bcps	bcps	32	39	–	–	1.3	4.8
12	Troon... ...	xbc	bcbc	30	41	–	–	8.8	4.7
	Douglas ...	xbc	bc	29	40	3	–	8.8	4.2

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



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 19th Feb. 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Moderate to fresh northerly winds becoming north-easterly; mainly cloudy with occasional snow or sleet; cold, frost at night.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Moderate to fresh northerly winds, becoming northeasterly; fair; cold, frost at night.
9. N. Midlands 10. N.E. England	As 1 - 4.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotld. / B. N.W. Scotland.	Moderate north to northeast winds; mainly fair; cold, frost at night.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Light to moderate north to northwest or variable winds; fair at first perhaps cloudy with rain later; becoming less cold.
17. N.W. Ireland 18. N.E. Ireland	As 11 - 13A.
19. S.E. Ireland 20. S.W. Ireland	Moderate northeasterly wind; fair; cold, frost at night.

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

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 5/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

Pressure is falling in Iceland but is still high west of Ireland. A trough of low pressure extends northwards over the North Sea from a depression over France. Occasional snow or sleet will occur in the East and Midlands of England but elsewhere weather will be mainly fair though there may be rain later in Northern Scotland.

FURTHER OUTLOOK.

Probably mainly fair in Southern England and Ireland. Unsettled in the extreme North.

G. C. SIMPSON, C.B., D.Sc., F.R.S. Director.

Forecasts issued at 1200 G.M.T.

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 19th February, 1933.

No. 26022

OBSERVATIONS at 1 hr. G.M.T. 19TH FEBRUARY

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	1010·8	-8	NNW	3	c	34	75	5	8	-	-	9	9	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1011·7	-2	NNW	5	q	34	75	7	-	-	-	0	0	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1009·3	-6	N'W	5	c/po	30	95	6	5	-	-	9	9	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1008·7	-4	N'W	4	bc	35	95	7	3	-	-	2-3	2-3	2500
	Cranwell ...	240	1011·3	-12	NW	4	c	31	95	4	5	-	-	10	10	800
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1012·9	+4	NNE	4	b	35	85	8	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1016·9	0	NNE	3	bc	35	65	8	4	-	-	2-3	2-3	4000
	Scilly (St. Mary's)	163	1017·9	+2	NNE	6	bc	39	75	8	2	-	-	4-6	4-6	4000
	Guernsey ...	175	1012·3	+2	NNE	5	c	38	75	7	8	-	-	7-8	7-8	2500
6	Pembroke ...	142	1016·9	-8	N	3	bc	37	75	7	5	4	-	4-6	4-6	2500
7	Holyhead ...	26	1017·8	-8	N'E	7	q	39	65	8	4	-	-	2-3	2-3	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	196	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1009·2	-4	N'W	5	bc	35	95	7	3	2	-	4-6	4-6	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1013·7	+10	N	6	c/ps	38	85	7	6	-	-	7-8	7-8	1500
11	Inchkeith ...	190	1013·0	+8	N	3	bc	34	65	8	4	-	-	2-3	2-3	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1024·8	-2	NNE	2	bc/ps	36	75	7	8	6	-	4-6	4-6	1500
15	Dalwhinnie ...	1178	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	87	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1021·4	+2	NNW	4	bc	33	95	8	9	7	-	4-6	4-6	2500
16	Lerwick ...	54	1019·0	-2	NE	5	bc	35	85	7	9	-	-	4-6	4-6	1500
17	Blacksod Point	18	1026·2	0	N	5	q	42	95	8	3	-	-	7-8	7-8	450
18	Malin Head ...	52	1023·5	+14	NW	5	b	39	95	8	6	-	-	1	1	2500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1023·6	-10	NNE	5	b	40	95	9	-	-	-	0	0	-
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 19TH 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)
1010·1	0	N'W	3	ss	33	95	6	6	2	-	4-6	10	1500	6	*
1009·8	-2	NNW	3	ss	33	95	6	6	2	-	9	10	800	6	*
1010·4	0	NNW	2	is	32	95	6	6	-	-	10	10	1500	6	*
1010·5	-2	N	4	is	33	85	6	6	2	-	7-8	10	1500	4	*
1011·0	-2	N	5	c	33	85	7	6	2	-	7-8	10	1500	4	*
1010·3	-4	NNW	5	c/ps	35	75	7	5	-	-	9+	9+	2500	0	2
*	*	NNW	2	bc	*	*	6	5	-	*	4-6	4-6	1500	*	1
1008·7	-2	N'W	4	bc	29	95	7	5	-	1	4-6	4-6	800	6	*
1009·1	0	NW	2	bc	30	95	8	-	7	6	0	4-6	-	4	*
1008·4	0	NW'W	3	c	31	95	7	8	-	8	4-6	7-8	2500	6	1
1007·3	-6	NW'N	3	c/ps	35	95	6	9	-	-	9	9	1500	6	2
1011·8	+8	NNW	4	c/ps	31	95	8	9	-	-	7-8	7-8	800	8	*
1013·9	+6	N	4	c	31	75	8	5	-	-	9	9	1500	6	*
1011·9	+4	NNE	4	c/ps	31	75	6	6	2	-	9+	10	800	6	*
1013·8	+6	N	4	b	33	75	8	5	-	-	Tr.	Tr.	4000	4	*
1011·9	-4	NNE	4	c	35	85	7	4	-	-	7-8	7-8	1500	0	3
1013·9	-6	N	3	bc	35	75	8	7	-	-	4-6	4-6	2500	1	1
1015·1	-2	N	3	bc	35	75	8	8	-	-	2-3	2-3	2500	4	2
1016·3	-6	NNE	6	pr	39	95	7	3	-	-	4-6	4-6	2500	1	4
1011·8	-4	NNE	5	c	37	75	7	8	-	-	7-8	7-8	2500	0	4
1017·0	+4	NE	4	q	36	65	8	5	4	-	2-3	2-3	4000	1	2
1019·0	+12	N'E	7	bc	38	65	8	2	-	-	4-6	4-6	2500	1	4
1017·3	+14	NNW	5	b	32	75	8	8	-	-	1	1	4000	4	*
1017·3	+8	N'E	4	b	33	85	8	5	-	-	Tr.	Tr.	2500	4	*
1015·7	+6	NNW	3	is	30	95	5	6	-	-	9+	9+	2500	8	*
1009·6	0	N'E	7	c	34	95	7	3	6	-	4-6	7-8	1500	7	5
1016·0	+6	NW'N	5	ps	30	85	7	6	-	-	9	9	800	8	*
1015·0	+6	N	6	c/ps	37	85	7	9	-	-	7-8	7-8	1500	1	4
1020·1	+2	N	3	bc	33	85	8	8	5	-	2-3	4-6	2500	4	3
1020·1	+8	N	3	b	32	85	9	9	-	3	Tr.	Tr.	1500	6	*
1022·0	+8	N	4	b	33	75	8	8	-	-	1	1	4000	4	*
1019·8	+12	N	4	ps	30	75	5	8	-	-	10	10	1500	6	*
1024·0	+2	N	5	bc	37	85	9	4	4	-	4-6	4-6	1500	0	4
1024·9	+2	N	1	bc	32	95	8	8	6	-	2-3	4-6	1500	6	1
	+10	N	1	c	28	95	8	4	-	-	7-8	7-8	1500	8	*
1020·8	+12	N	3	c/ps	31	95	8	3	-	-	7-8	7-8	2500	8	2
1021·7	+2	NW	4	bc	34	95	8	3	4	8	4-6	4-6	2500	6	3
1019·0	0	NNE	4	c	33	85	8	8	-	-	7-8	7-8	1500	8	*
1025·6	0	N	3	bc	38	95	8	3	-	-	4-6	4-6	450	0	3
1023·6	+6	N	4	c	39	85	8	5	7	-	2-3	7-8	1500	0	2
1022·6	0	N	2	bc	30	75	7	8	3	-	1	2-3	2500	4	*
1021·5	+2	NNE	5	q	38	75	8	5	-	-	2-3	2-3	1500	0	3
1023·5	+6	N	1	b	27	95	8	-	-	-	0	0	-	4	*
1024·4	+12	NNE	5	bc	39	65	8	8	-	-	2-3	2-3	2500	1	-
1021·8	+6	N	4	bc	34	85	8	8	-	-	2-3	2-3	1500	0	3

PAST 24 HOURS.

Max. Day 7h-18h. °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 16TH Hrs. (36)
38	31	29	Tr.	1	2·2
37	32	31	0·1	Tr.	-
39	31	26	Tr.	0·2	1·8
37	31	26	1	Tr.	2·3
37	30	28	Tr.	Tr.	3·6
39	32	28	-	Tr.	2·6
40	27	*	Tr.	-	*
38	29	26	Tr.	0·6	2·7
42	29	24	-	-	5·0
41	29	24	Tr.	1	5·4
40	28	28	2	1	5·2
39	29	28	1	1	4·7
35	30	27	Tr.	Tr.	4·8
38	29	25	Tr.	Tr.	*
37	31	22	Tr.	-	4·3
38	34	*	-	-	*
39	32	29	0·1	-	7·8
39	32	*	2	Tr.	*
44	35	*	2	1	6·1
40	37	32	0·1	Tr.	4·1
39	34	*	1	Tr.	6·9
41	38	34	-	-	5·5
40	32	26	Tr.	-	3·8
38	32	31	Tr.	-	5·0
34	29	29	2	3	2·7
38	30	*	3	3	3·7
35	30	25	5	2	1·9
40	35	32	4	2	*
39	32	26	-	-	6·6
40	30	22	-	Tr.	6·2
43	25	15	-	-	8·5
37	27	26	-	Tr.	7·4
40	36	33	0·1	0·4	4·2
40	32	*	2	0·6	0·9
34	21	17	1	-	4·1
37	28	23	2	3	1·0
38	31	*	1	0·5	*
38	31	*	1	2	2·8
44	36	*	1	1	*
40	36	*	-	0·2	5·0
38	29	20	0·1	Tr.	8·7
41	37	*	-	0·2	*
39	27	15	-	-	8·4
42	37	33	0·3	0·2	6·7
41	34	*	-	-	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 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	c	bc ycs	cpscss	-	31	29	Tr.	1	2·2	*	*	6
Croydon	217	cm sm	cm bcm	cm ss	37	32	31	0·1	Tr.	1·5	*	*	5
Greenwich (Royal Observatory) ...	149	csc	cy	cxscm	39	31	27	Tr.	0·3	0·8	55	94	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	1·5	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	40	31	29	1		1·7	51	82	*
†Regents Pk. (Botanic Gardens) ...	168	*	*	*	40	29	29	2			55	100	*
Camden Square	110	csc	c	*	39	32	29	-	1		*	84	*
Kensington	80	c	cbc	*	39	32	29	-	1	1·1	At 18h. 91		*
Hampstead Observatory	450	of bc	bc	os	37	30	27	0·2	3	2·4	68 *	96	*

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 18TH FEBRUARY. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 19TH FEBRUARY. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1007·0	NNE	3	c	34	1007·5	N	3	0	?
Brussels	1008·0	NE	3	c	30					
Berlin	1007·6	N	3	c	28	1008·9	W by W	1	0	25
Zürich	1007·8	E	1	c	28	1005·1	E	1	bc	18
Rome	1002·5	?	?	c	50					

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·8	17-20h. 18th.	Nil	0-7h. 19th.

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

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
36	27	4	-
36		-	
30	23	2	Tr.
36	16	1	Tr.
52		-	

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.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†Hr. observations are from Valentia W/T station

‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Monday 20th February 1933.
No. 26,023.

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

Division	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)...	1011·9	+6	N	4	c	35	75	6	5	-	-	10	10	2500
	Croydon ...	1010·9	+6	N'W	4	c	35	75	4	5	-	-	9+	9+	1500
	S. Farnborough	1012·3	+6	-	4	is$_o$	35	75	8	6	-	-	10	10	1500
	Winchester ...	1012·1	0	N'E	5	bc	36	75	7	5	-	-	4-6	4-6	2500
	Boscombe Down	1012·9	+8	N	6	c	36	65	7	8	-	-	7-8	7-8	2500
	Calshot, S'thmtn	1011·9	+10	N	6	c	38	65	6	5	-	-	7-8	7-8	2500
	Dungeness ...	*	*	NNW	2	ps	*	*	7	9	-	*	9	9	450
	Lympne ...	1010·0	+10	N'E	3	ss	35	85	5	8	-	-	9	9	1500
2	Shoeburyness	1010·1	+8	NNE	3	c/ps	39	75	8	8	9	r	7-8	9+	1500
	Felixstowe ...	1010·7	+24	ENE	5	c	39	85	8	8	-	1	7-8	7-8	1500
	Gorleston ...	1012·3	+40	ESE	4	bc/s	35	95	6	3	-	-	4-6	4-6	1500
	Cranwell ...	1015·2	+18	N'W	5	ps$_o$	32	95	7	9	-	-	9	9	1500
3	Birmingham ...	1015·9	+10	NNE	3	c	35	65	5	9	-	-	9	9	1500
	Upper Heyford	1014·1	+10	NNE	5	c	35	75	8	8	-	-	9+	9+	800
4	Ross-on-Wye ...	1016·1	+10	N'E	5	q	37	65	7	2	-	-	7-8	7-8	4000
5	Portland Bill...	1013·5	+14	N	4	c	38	75	7	4	-	-	10	10	1500
	Plymouth ...	1015·4	+6	N	6	q	39	45	8	8	-	-	7-8	7-8	2500
	The Lizard ...	1016·3	+6	N'E	5	q	41	55	9	8	-	-	4-6	4-6	4000
	Scilly (St.Mary's)	1017·3	+6	NNE	7	bc/ph	42	75	8	3	-	-	4-6	4-6	2500
	Guernsey ...	1012·0	+4	NNE	5	c/s	37	75	6	8	-	-	10	10	1500
6	Pembroke ...	1019·0	+4	N	5	q	41	55	7	5	7	-	2-3	4-6	2500
7	Holyhead ...	1020·9	+8	N'E	6	bc	40	65	9	4	-	-	4-6	4-6	4000
	Chester (Sealand)	1018·8	+8	NW	6	cjp	38	65	7	8	-	-	9	9	4000
8	L'pool (Bidston)	1019·1	+6	N'E	5	q	38	55	9	9	-	-	4-6	4-6	4000
9	Harrogate ...	1018·2	+10	N	3	bc	33	85	9	3	4	-	4-6	4-6	2500
10	Spurn Head ...	1014·7	+14	NE'E	6	bc	38	75	7	3	6	-	2-3	4-6	1500
	Catterick ...	1019·1	+26	NNE	3	bc	36	75	8	3	-	3	4-6	4-6	1500
	Tynemouth ...	1019·3	+30	N	5	bc/ps	37	65	8	2	-	-	4-6	4-6	2500
11	Inchkeith ...	1022·5	+10	NNE	4	c	37	65	8	8	7	-	4-6	7-8	2500
	Leuchars ...	1022·4	+10	N	3	bc	40	65	8	3	6	1	2-3	2-3	2500
12	Renfrew ...	1023·4	+6	NNE	3	bc	42	45	8	7	-	1	4-6	4-6	4000
	Eskdalemuir ...	1022·0	+18	N'E	5	bc/ps	34	75	9	3	-	3	2-3	2-3	1500
13A	Tiree	1025·7	+8	NNE	3	c	41	75	9	4	-	6	1	9	2500
13B	Stornoway ...	1026·2	+4	ENE	1	c/ps	35	95	8	8	6	2	4-6	7-8	2500
15	Dalwhinnie ...	1024·6	+8	N	3	bc	33	95	8	4	-	-	4-6	4-6	1500
	Aberdeen ...	1022·2	+6	NNW	3	b	36	75	8	3	3	-	1	1	4000
	Wick	1022·7	+4	N	4	c	38	85	8	8	3	9	4-6	7-8	2500
16	Lerwick ...	1021·6	+4	NNW	2	bcjp	38	75	8	9	-	-	4-6	4-6	1500
17	Blacksod Point	1026·7	+4	N	5	c	43	95	9	3	-	-	7-8	7-8	450
18	Malin Head ...	1025·1	+8	N'E	4	bc	41	85	9	8	-	-	2-3	2-3	2500
	Aldergrove ...	1024·4	+12	N	4	bc	40	65	9	4	-	1	2-3	2-3	2500
	Donaghadee ...	1023·9	+8	NNE	3	bc	41	65	8	8	-	-	4-6	4-6	2500
19	Birr Castle ...	1024·2	+6	NNE	2	c	40	75	8	8	-	-	7-8	7-8	2500
20	Valentia Obsy.	1024·8	+2	NNE	4	c	42	65	8	8	-	-	7-8	7-8	2500
	Roches Point...	1022·7	+6	N	5	bc	41	65	9	8	-	-	2-3	2-3	1500

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

Division	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)...	1016·8	+36	N'E	3	c/ps	35	85	5	9	8	-	7-8	7-8	1500	1	*
	Croydon ...	1015·8	+38	NNE	2	c	33	85	4	8	-	-	7-8	7-8	800	1	*
	S. Farnborough	1016·5	+32	N'E	4	c/ps	34	85	8	9	-	3	7-8	7-8	1500	6	*
	Winchester ...	1016·2	+26	NNE	5	bc	35	85	7	5	-	-	4-6	4-6	2500	6	*
	Boscombe Down	1016·4	+24	NNE	4	b	33	75	7	5	-	-	Tr.	Tr.	2500	1	*
	Calshot, S'thmtn	1014·6	+20	N	5	q	36	75	6	5	-	-	7-8	7-8	4000	0	3
	Dungeness ...	*	*	ENE	4	q	*	*	7	8	-	*	7-8	7-8	800	*	3
	Lympne ...	1015·2	+26	NE'N	3	u	30	85	6	5	-	-	9	9	800	1	*
2	Shoeburyness	1016·3	+40	NNE	2	c	33	85	7	4	7	-	4-6	7-8	1500	1	*
	Felixstowe ...	1016·5	+38	N	2	bc/ps	32	85	7	3	-	-	4-6	4-6	1500	1	1
	Gorleston ...	1016·0	+24	N'E	4	sh	34	95	6	6	-	-	10	10	1500	6	3
	Cranwell ...	1019·8	+30	NW	4	bc	29	95	6	8	-	-	4-6	4-6	2500	6	*
3	Birmingham ...	1020·6	+28	NNE	4	ps	31	95	5	6	-	-	10	10	800	6	*
	Upper Heyford	1018·6	+30	NNE	4	c	33	75	7	8	-	-	7-8	7-8	1500	1	*
4	Ross-on-Wye ...	1019·6	+26	NNE	3	b	32	85	6	6	-	-	Tr.	Tr.	2500	1	*
5	Portland Bill...	1016·0	+24	NE	5	c	37	85	7	4	-	-	7-8	7-8	1500	0	3
	Plymouth ...	1017·6	+14	N	4	b	36	65	7	8	-	-	1	1	2500	1	2
	The Lizard ...	1018·4	+10	NNE	4	c	37	65	8	4	-	8	4-6	10	4000	0	2
	Scilly (St.Mary's)	1019·4	+12	NNE	7	bc/ph	41	75	8	3	-	-	4-6	4-6	2500	1	5
	Guernsey ...	1014·4	+22	NNE	5	c	38	75	7	8	-	-	10	10	1500	1	4
6	Pembroke ...	1021·0	+20	NNE	4	q	37	55	7	7	4	-	2-3	4-6	4000	0	2
7	Holyhead ...	1023·0	+20	NNE	5	bc	39	65	8	4	-	1	4-6	4-6	4000	1	3
	Chester (Sealand)	1022·3	+18	N'W	2	b	33	75	6	4	-	1	Tr.	Tr.	4000	0	*
8	L'pool (Bidston)	1022·2	+12	NNE	3	bc	34	75	8	1	-	5	1	4-6	2500	0	*
9	Harrogate ...	1021·4	+6	N	2	b	30	85	7	8	-	-	1	1	4000	8	*
10	Spurn Head ...	1017·1	+14	NE'E	5	is	32	95	7	6	2	-	4-6	7-8	1500	6	3
	Catterick ...	1022·0	+20	NNW	2	bc	31	65	7	8	-	-	4-6	4-6	2500	7	*
	Tynemouth ...	1022·5	+20	NNE	5	bc	37	65	8	2	-	-	4-6	4-6	2500	1	3
11	Inchkeith ...	1023·8	+10	NNW	2	bc	36	65	8	5	4	-	4-6	4-6	2500	1	2
	Leuchars ...	1023·0	+4	NW	3	c	37	65	8	7	4	1	7-8	9	4000	1	*
12	Renfrew ...	1024·5	+8	NNE	2	bc	36	55	6	1	-	1	1	2-3	4000	4	*
	Eskdalemuir ...	1024·2	+12	-	0	c	28	75	9	8	-	-	7-8	7-8	1500	6	*
13A	Tiree	1025·8	0	N'W	4	c	39	65	9	4	4	8	Tr.	7-8	2500	0	3
13B	Stornoway ...	1025·2	0	NE	1	c	34	95	8	8	7	-	4-6	9	1500	1	0
15	Dalwhinnie ...	1025·1	+2	N	2	bc	31	95	8	4	-	3	2-3	4-6	2500	8	*
	Aberdeen ...	1023·0	+6	NW	3	bjp	33	95	8	3	-	-	1	1	2500	7	2
	Wick	1023·3	+2	NW	3	c	35	95	8	8	1	-	4-6	7-8	2500	6	3
16	Lerwick ...	1021·0	-6	WNW	2	c	34	75	8	8	1	-	7-8	9	1500	6	*
17	Blacksod Point	1027·0	+2	N	2	bc	41	95	9	3	-	-	4-6	4-6	800	0	3
18	Malin Head ...	1025·4	+2	N	3	bc	40	85	9	8	8	5	1	2-3	2500	0	1
	Aldergrove ...	1025·5	+6	N	2	bc	34	75	9	5	-	1	1	2-3	4000	4	*
	Donaghadee ...	1025·0	+6	NNE	3	bc	39	65	8	8	3	-	2-3	4-6	2500	0	2
19	Birr Castle ...	1024·8	+6	NE	1	bc	38	65	8	5	-	5	1	2-3	2500	0	*
20	Valentia Obsy.	1026·5	+6	NNE	2	bc	41	65	8	8	-	1	4-6	4-6	1500	1	1
	Roches Point...	1024·7	+12	N	4	bc	41	65	9	8	-	-	2-3	2-3	1500	0	3

PAST 24 HOURS.

Division	Stations. (For heights see p. 4.)	Weather. 7h.—13h. 19th (37)	Weather. 13h.—18h. 19th (38)	Weather. 18h.—1h. 19th/20th (39)	Weather. 1h.—7h. 20th (40)
1	London (Kew)...	cis$_o$m$_o$	cis$_o$cm$_o$	bcb	bm$_o$
	Croydon ...	csossom$_o$	cp$_o$ss$_o$bcm	bccbp$_o$	cm$_o$bcc
	S. Farnborough	ssfbc	is$_o$psfbc	bcbp$_o$bc	psbx
	Winchester ...	cossm$_o$bc	bccs$_o$bc	bcbs$_o$bx	bmox
	Boscombe Down	ossmcbc	bccisbc	b	bmx
	Calshot, S'thmtn	cq$_o$s$_o$	cbcq	bcp$_o$s$_o$sb	bxm$_o$
	Dungeness ...	s	bc	*	s
	Lympne ...	bcpscssm$_o$	cossbcc	cp$_o$s$_o$b	cp$_o$sbc
2	Shoeburyness	bccp$_o$sc	cpscbcc	cb	bcc
	Felixstowe ...	cps$_o$cpr$_o$sbc	bccps$_o$	bccoss	ossc
	Gorleston ...	coqss	bcqops	cpobc	bcsx
	Cranwell ...	cp$_o$s	cbc	bcp$_o$s$_o$	bcps$_o$
3	Birmingham ...	cbcc	cps	bcb	bm
	Upper Heyford	cPsbc	cps$_o$bc	cbmo	bmox
4	Ross-on-Wye ...	bqbccq	bccqspbc	b	b bc
5	Portland Bill...	c	c	bcb	bbc2o
	Plymouth ...	bbccyq	cyqpss$_o$b	b	b
	The Lizard ...	bcqy	bcps$_o$	bcbx	bbcx
	Scilly (St.Mary's)	psqph	bcph$_o$	bcqph	bcbbc
	Guernsey ...	cphis	cis	bcbro	bc
6	Pembroke ...	bcqy	bcqy	bx	bcx
7	Holyhead ...	bc	bc	bcb	bbc
	Chester (Sealand)	bbcq	ps$_o$qb	bbc	bbcx
8	L'pool (Bidston)	bbcqyv ps	vbbc	bcbx	bx
9	Harrogate ...	cbcps	bcbps$_o$	b	b
10	Spurn Head ...	qpsc	cis	qpsc	bc
	Catterick ...	ps$_o$cqps	cpsbc	bc	bc
	Tynemouth ...	cbcp$_o$s	bcpsbcq	bcp$_o$bc	bc
11	Inchkeith ...	bcc	cbc	bc	bcmmis
	Leuchars ...	bxvp$_o$s	bbcyc	cbx	bxcs$_o$s$_o$
12	Renfrew ...	bxbcy	bcby	bxm$_o$	bxcs$_o$c
	Eskdalemuir ...	bcpsb	bcpsbc	bcb	bcc1s$_o$
13A	Tiree	bcc	bc	c1Dr	cirrr
13B	Stornoway ...	bcc	cps	cir$_o$m$_o$	crr
15	Dalwhinnie ...	bc	bc	bc	bc
	Aberdeen ...	cbcc	ph$_o$r$_o$c	bcp$_o$s$_o$	p$_o$s$_o$s$_o$c$_o$r
	Wick	cphbc	bccphs	cph$_o$	cpsrr
16	Lerwick ...				
17	Blacksod Point	p$_o$hrq	pr$_o$h$_o$	pr$_o$	cbc
18	Malin Head ...	cbc	bc	bcpc	cpr
	Aldergrove ...	bcjp	bv	bvbc	bccs$_o$
	Donaghadee ...	bbc	bc	bc	bcc
19	Birr Castle ...	bc	cbc	bcbx	bx
20	Valentia Obsy.	bcc	cbcvbc	bcb	bbx
	Roches Point...	bcv	bcv	bcvbx	bbccx

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, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—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 1/10 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.

(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
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.

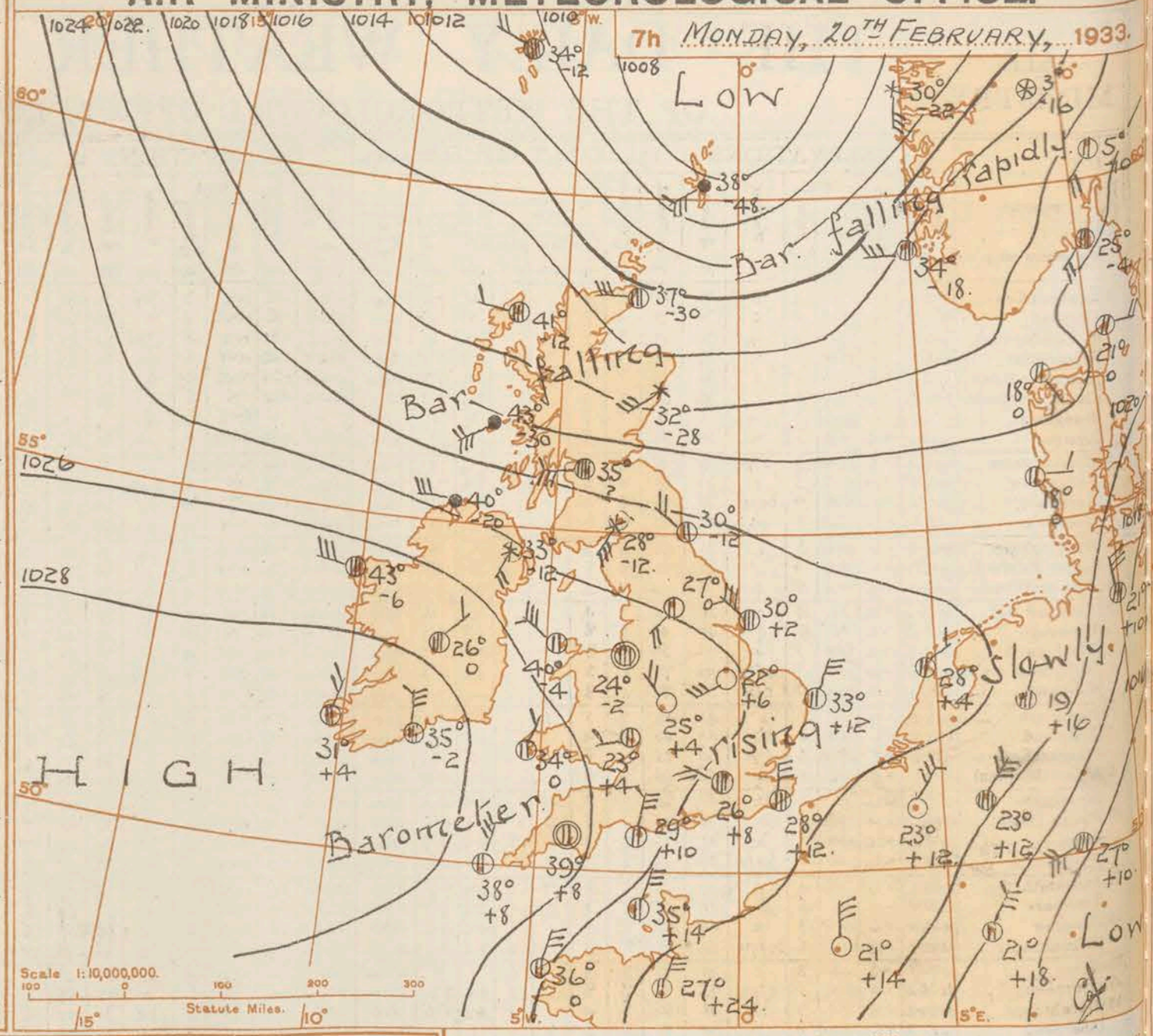
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for 19th February 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 18th to 9h. 19th.	Temperature. Max. 9h.—17h. 19th.	Rainfall. Night. 17h. 18th to 9h. 19th.	Rainfall. Day. 9h.—17h. 19th.	Sunshine. Sunrise to 17h. 19th.	Sunshine. Sunrise to Sunset. 18th.
1	Tunbridge W.	copso	opsoc	30	36	-	0·3	0·6	2·7
	Bournemouth	csb	bc	30	39	0·3	-	3·9	2·8
	Ventnor ...	sousc	bocu	32	38	Trace	Trace	1·7	5·4
	Southsea ...	os.oc	c	32	38	Trace	0·2	0·5	3·5
	Bognor Regis	rscs	bcois	34	37	Trace	0·3	0·2	3·6
	Littlehampton	oscbc	bccis	32	38	0·3	1	0·8	4·6
	Worthing ...	or.s	cis.	32	36	Trace	0·3	0·4	2·7
	Brighton ...	bc	bcpsbc	32	40	-	Trace	1·2	3·6
	Eastbourne†	cbcco	ocs.ssc	31	40	Trace	1	2·7	5·4
	Hastings† ...	bbcc	coscbc	31	39	-	2	2·7	3·9
	Folkestone ...	bbcis	isbc	31	39	-	0·3	5·0	2·9
	Dover... ...	bcpsh	cbc	31	41	1	0·2	6·4	1·8
	Deal	bosc	bcrsb	30	40	1	2	4·5	2·6
	Ramsgate ...	bc	bc	32	40	0·5	-	5·8	4·0
	Margate ...	bcs.c	bc	33	39	0·6	Trace	5·7	4·5
2	Southend ...	bcc	cs.b	30	38	Trace	Trace	2·2	4·9
	Maldon ...	isc	isc	32	38	-	Trace	1·5	4·1
	Clacton-on-Sea	cpscbc	bc	30	38	0·5	0·4	5·5	6·9
	Dovercourt ...	bcsbc	sbc	30	39	-	Trace	4·8	5·3
	Lowestoft ...	psbc	bcisc	30	38	1	0·5	2·8	4·6
	Skegness ...	soshsc	bc	31	38	3	1	3·1	3·8
	Mablethorpe	cis	cisv	30	39	8	Trace	4·1	3·6
	Cleethorpes...	bcis	bcihc	32	38	9	1	4·5	3·0
3	Leamington S.	bbc	bcb	31	38	0·6	-	6·2	3·5
4	Cheltenham†	cs.bc	csbcb	31	36	Trace	0·6	3·7	3·0
5	Bath	bbc	cp.sb	32	39	Trace	Trace	5·2	3·4
	Weymouth ...	bcp.scb	b	31	40	Trace	-	5·5	6·3
	Jersey ...	scspc	spbcc	37	40	1	4	0·7	3·6
	Torquay ...	bcybbc	bcy	32	40	-	-	8·0	7·5
	Penzance ...	hrb	bhbc	34	46	2	Trace	8·2	6·4
	St. Ives ...	b	bchbc	33	42	1	0·3	5·2	5·1
	Bude	bc	bc	36	41	-	-	7·8	6·5
	Ilfracombe ...	bc	bbc	35	41	-	-	3·4	6·0
6	Aberystwyth	bc	bcb	34	40	-	-	8·5	7·4
7	Llandudno ...	b	b	34	41	-	-	8·1	1·7
	Colwyn Bay...	bcb	bccbc	33	39	-	-	7·4	0·8
	Rhyl	bc	bcb	34	40	-	-	7·4	2·2
8	Wallasey ...	b	bis.b	33	39	-	Trace	6·4	4·6
	Southport‖ ...	bbcb	bbcb	32	40	-	-	8·6	7·7
	Blackpool ...	bcb	b	33	40	-	-	9·3	4·8
	Morecambe ...	b	b	31	39	-	-	8·7	6·2
9	Ilkley... ...	bcis	bcis	29	36	3	1	4·3	5·2
10	Berwick-on-T.	cps	c	32	40	1	Trace	6·0	1·0
11	Dunbar ...	bcs	bcphs	31	38	2	2	1·5	1·3
12	Troon... ...	xbc	bcbc	31	41	-	-	6·6	8·8
	Douglas ...	xbc	bcx	31	41	-	-	8·8	8·8

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 1/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. T Thunder. K Thunderstorm.
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 Feb. 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Wind north or northwest, light, backing; mainly fair; less cold; local frost at night; perhaps morning fog. Wind westerly, light or moderate; cloud increasing; less cold.
5. S.W. England 6. South Wales	Wind northerly, light or moderate, backing; mainly fair; less cold.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind westerly, light to fresh, veering later; cloudy; occasional snow, sleet or rain; brighter intervals tomorrow; temporarily less cold.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland.	Wind west, fresh, strong locally, veering northwest or north; occasional sleet or rain at first; bright intervals and showers of hail or sleet later; becoming colder again.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Wind becoming northwest or north, moderate to fresh or strong; cloudy; occasional snow, sleet or rain; perhaps bright periods later; cold.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind west or northwest, moderate or fresh; cloudy; occasional rain at first; bright intervals and showers of rain or hail later; milder today, then cold. Wind variable to westerly, light or moderate; cloudy; temporarily milder.

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

GENERAL INFERENCE.

Pressure is high on the Eastern Atlantic and over Southeast Greenland. A depression north of the Shetlands, with a secondary near the Hebrides, will move southeast. Weather will be mainly dry in the South, but there will be occasional snow, sleet or rain in the North. In most districts a rise in temperature is likely to be followed by a return to colder conditions, with wintry showers in the North.

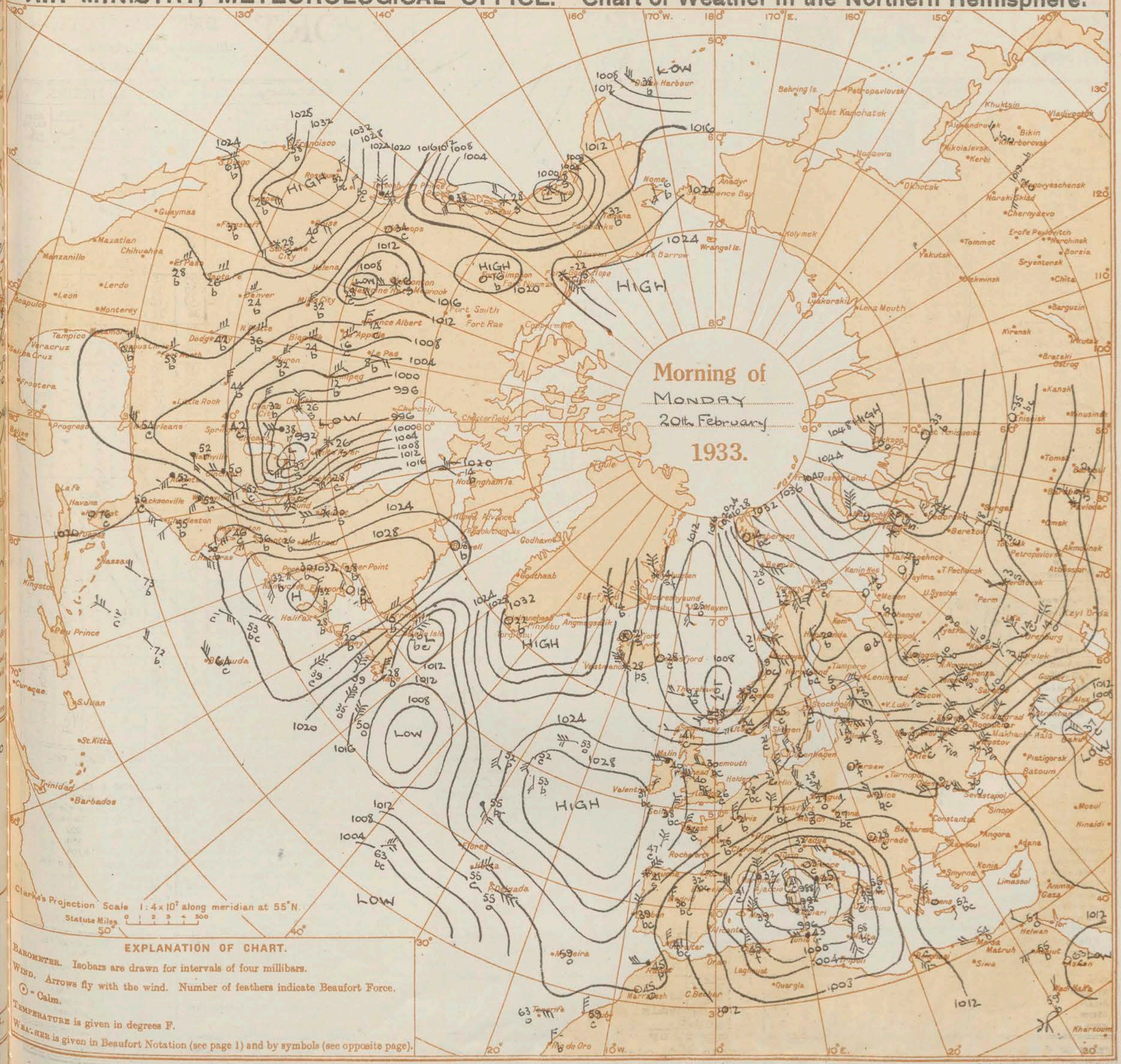
FURTHER OUTLOOK.

Cold; wintry showers in in the North.

Forecasts issued at 1000 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 20th February 1933.

No. 26,023.

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

Division	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1021·3	+18	N	2	c	30	95	5	8	-	-	9	9	1500
	S. Farnborough	287	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1021·3	+30	N'W	4	b	30	85	8	-	-	-	0	0	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1020·4	+36	N'W	3	c	29	95	6	5	-	-	7-8	7-8	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1020·3	+14	W	2	bc	30	95	7	8	-	-	4-6	4-6	2600
	Cranwell ...	240	1023·3	+20	NW'N	2	b|ps	27	95	6	5	-	-	1	1	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1022·3	+18	NNE	4	b	31	85	7	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1024·6	+14	NE'N	4	b	33	75	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	1024·6	+16	NE'N	6	bc	38	65	8	2	-	-	2-3	2-3	4000
	Guernsey ...	175	1020·6	+28	NNE	4	bc	38	75	7	8	-	-	4-6	4-6	2500
6	Pembroke ...	142	1025·6	+12	NE	2	b	33	75	7	5	-	-	1	1	4000
7	Holyhead ...	26	1025·9	+12	NE	2	b	37	75	8	1	-	-	1	1	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1022·7	+10	NE	4	bc	34	85	7	3	6	-	2-3	4-6	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1023·6	+8	WNW	2	bc	32	85	7	2	-	-	2-3	2-3	2500
11	Inchkeith ...	190	1024·6	0	WSW	3	bc	33	75	8	5	-	-	2-3	2-3	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	84	1021·4	-16	SSW	2	ir.	36	95	6	8	2	-	7-8	10	800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	87	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1021·1	-16	W	3	bc	32	95	7	9	2	-	7-8	10	1500
16	Lerwick ...	54	1017·0	-20	W'S	2	c/phr	34	95	7	9	2	-	4-6	7-8	1500
17	Blacksod Point	18	1028·4	+2	-	0	bc	38	95	8	3	-	-	2-3	2-3	1500
18	Malin Head ...	52	1026·1	-2	SW	1	c	36	95	9	8	1	-	9	9+	2500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1028·9	+6	-	0	b	37	95	8	-	-	-	0	0	-
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Division	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)...	1024·1	+8	NW	2	b	26	95	6	5	-	-	1	1	2500	6	*
	Croydon ...	1023·6	+8	W'N	2	c	24	95	5	5	-	-	9+	9+	450	6	*
	S. Farnborough	1024·6	+12	NW	1	b	23	95	6	4	8	-	0	Tr	-	6	*
	Winchester ...	1025·0	+14	N	3	b	25	95	6	4	-	-	0	0	-	4	*
	Boscombe Down	1025·0	+10	N'W	2	b	22	95	5	5	-	-	Tr	Tr	4000	4	*
	Calshot, (S'thmtn)	1023·9	+10	NNW	4	b	29	95	5	5	-	-	Tr	Tr	2500	0	2
	Dungeness ...	*	*	NNW	3	bs	*	*	6	3	-	*	9	8	220	*	2
	Lympne ...	1022·1	+12	N	3	c	28	95	6	5	-	-	9+	9+	800	6	*
2	Shoeburyness	1022·9	+10	NNE	3	o	29	95	7	5	-	-	10	10	1500	6	*
	Felixstowe ...	1023·7	+20	ENE	2	c	30	95	7	9	3	-	4-6	7-8	1500	8	1
	Gorleston ...	1023·4	+12	NE	3	bc	33	85	7	8	-	-	4-6	4-6	1500	8	2
	Cranwell ...	1024·6	+6	W'S	3	b	22	95	5	5	5	+	Tr	1	5700	6	*
3	Birmingham ...	1025·8	+4	NW	2	b	25	95	4	-	3	-	0	Tr	-	8	*
	Upper Heyford	1025·5	+12	NW	2	b	23	95	5	-	4	-	0	Tr	-	4	*
4	Ross-on-Wye ...	1025·7	+4	W	1	c	23	85	6	-	7	2	0	7-8	-	4	*
5	Portland Bill...	1025·0	+10	NNE	4	bc	29	75	6	5	-	-	4-6	4-6	1500	0	3
	Plymouth ...	1026·1	+8	-	0	bc	29	85	8	-	3	1	0	2-3	-	1	0
	The Lizard ...	1026·4	+8	NE	3	bc	30	75	8	7	4	-	2-3	2-3	4000	4	2
	Scilly (St. Mary's)	1026·8	+8	NNE	4	bc	38	75	8	7	4	-	1	2-3	4000	1	3
	Guernsey ...	1023·6	+14	NNE	3	bc	35	75	7	8	-	-	4-6	4-6	2500	1	3
6	Pembroke ...	1026·8	0	NE	1	bc	34	75	7	5	4	-	2-3	4-6	2500	4	1
7	Holyhead ...	1025·2	-4	WNW	4	c	40	75	9	2	0	8	4-6	7-8	2500	1	2
	Chester (Sealand)	1025·3	-2	-	0	c	24	95	6	-	-	6	0	7-8	-	4	*
8	L'pool (Bidston)	1025·0	-2	W'S	3	b	32	95	8	5	-	-	Tr	Tr	2500	4	*
9	Harrogate ...	1023·0	0	SW	2	bc	27	85	9	-	4	8	-	2-3	-	8	*
10	Spurn Head ...	1023·0	+12	NW'W	4	c	30	95	6	5	3	-	4-6	7-8	1500	6	2
	Catterick ...	1023·5	-2	W	1	c	28	75	8	-	2	-	0	7-8	-	8	*
	Tynemouth ...	1022·5	-12	WNW	2	bc	30	75	7	5	-	-	4-6	4-6	1500	4	2
11	Inchkeith ...	1021·7	-24	SW	3	ss	33	75	4	5	-	-	10	10	1500	6	2
	Leuchars ...	1019·6	-28	WSW	3	c/s	32	85	7	5	2	-	9+	10	1500	6	*
12	Renfrew ...	1021·5	-24	WSW	4	o/s	35	95	6	5	-	-	10	10	1500	6	*
	Eskdalemuir ...	1023·0	-12	SSW	3	is.	28	85	6	5	-	-	10	10	1500	6	*
13A	Tiree	1020·1	-30	SW'W	5	r.r.	43	95	6	6	2	-	9+	10	1500	1	3
13B	Stornoway ...	1017·2	-12	W	1	c	41	95	7	8	6	0	2-3	9+	1500	8	0
15	Dalwhinnie ...	1018·6	-24	SW	2	c	34	95	8	4	2	7	4-6	7-8	1500	8	*
	Aberdeen ...	1017·1	-30	SW	3	ss	33	95	6	6	-	-	10	10	450	8	2
	Wick	1013·7	-30	W	3	r.r.	37	95	8	9	2	-	7-8	10	1500	6	2
16	Lerwick ...	1008·0	-48	SW	4	rr	38	95	6	9	-	-	10	10	800	3	*
17	Blacksod Point	1021·1	-6	W	3	c	43	95	8	5	-	-	9	9	450	0	3
18	Malin Head ...	1022·6	-20	W	3	r.r.	40	95	7	8	2	-	9	10	800	1	*
	Aldergrove ...	1025·0	-12	SW'S	2	is.	33	95	7	8	-	-	10	10	2500	4	*
	Donaghadee ...	1024·7	-6	W	2	c	35	85	7	5	-	-	9	9	1500	0	1
19	Birr Castle ...	1027·0	0	NE	1	b	26	95	8	-	4	-	-	1	-	4	*
20	Valentia Obsy.†	1028·7	+4	NE'N	2	bc	31	95	8	5	-	1	1	2·3	2500	1	1
	Roches Point...	1028·2	-2	N	4	c	35	85	8	5	-	-	7-8	7-8	2500	0	3

PAST 24 HOURS.

Division	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 19.15 Hrs. (36)
1	London (Kew)...	37	25	13	1	0.6	1.0
	Croydon ...	37	24	20	0.3	0.2	0.0
	S. Farnborough	36	22	15	0.1	0.2	0.9
	Winchester ...	36	24	19	1	0.1	2.7
	Boscombe Down	36	21	19	Tr.	-	1.8
	Calshot, (S'thmtn)	38	27	18	0.1	0.2	1.0
	Dungeness ...	41	27	*	Tr.	Tr.	*
	Lympne ...	38	26	21	0.6	0.3	4.4
2	Shoeburyness	39	25	21	0.1	-	2.8
	Felixstowe ...	39	22	24	0.4	2	5.4
	Gorleston ...	37	28	27	3	2	3.9
	Cranwell ...	36	22	19	0.3	0.1	6.1
3	Birmingham ...	37	24	14	0.81	0.3	3.1
	Upper Heyford	35	22	18	0.4	-	*
4	Ross-on-Wye ...	38	23	13	Tr.	-	5.8
5	Portland Bill...	39	30	*	-	-	*
	Plymouth ...	40	28	21	Tr.	-	7.5
	The Lizard ...	41	29	*	Tr.	-	*
	Scilly (St. Mary's)	43	36	*	0.3	Tr	7.7
	Guernsey ...	39	35	31	0.5	0.4	6.5
6	Pembroke ...	42	30	*	-	-	8.4
7	Holyhead ...	41	31	23	-	-	7.2
	Chester (Sealand)	40	23	16	Tr.	-	6.2
8	L'pool (Bidston)	38	31	26	Tr	-	6.1
9	Harrogate ...	34	25	12	2	-	4.4
10	Spurn Head ...	38	30	*	4	0.2	5.1
	Catterick ...	36	25	17	0.4	-	5.0
	Tynemouth ...	40	30	27	0.1	Tr	*
11	Inchkeith ...	38	32	27	-	1.01	5.3
	Leuchars ...	41	30	25	Tr.	0.1	7.1
12	Renfrew ...	43	23	15	-	0.3	6.8
	Eskdalemuir ...	35	21	17	1	Tr	4.8
13A	Tiree	42	37	34	-	2	8.6
13B	Stornoway ...	42	34	*	1	4	4.8
15	Dalwhinnie ...	34	24	16	-	Tr	4.7
	Aberdeen ...	37	30	26	2	0.5	4.4
	Wick	39	31	*	1	1	*
16	Lerwick ...	38	32	*	1	4	3.3
17	Blacksod Point	43	36	*	1	Tr	*
18	Malin Head ...	41	35	*	-	2	4.7
	Aldergrove ...	41	27	20	Tr.	Tr	8.5
	Donaghadee ...	42	31	*	-	-	*
19	Birr Castle ...	43	24	14	-	-	6.6
20	Valentia Obsy.†	44	30	27	-	Tr	5.7
	Roches Point...	43	33	*	-	-	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations. except Greenwich & Hampstead rainfall, 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	C1So Mo	C1So Cm.	bcb	37	25	13	1	0.6	1·0	•	•	5
Croydon	217	CSOSSOM1,2	cbss, bcm	bccbs.	37	24	20	0·3	0·2	0·0	•	•	3
Greenwich (Royal Observatory) ...	149	C5.	cbs	CSSo bcf	39	21	21	Tr	0·3	0·5	78	95	3
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	1·2	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	39	28	26	•	—	1·4	65	87	•
‡Regents Pk. (Botanic Gardens) ...	168	•	•	•	39	26	17	0·3		1·1	76	92	3
Camden Square	110	csc	c	•	39	32	29	Tr	1	•	•	84	•
Kensington	80	orsbc	bc	•	38	27	24	1	1	1·1	At 18h.	84	•
Hampstead Observatory	450	OSbc	osbc	•	35	24	22	?	?	1·7	75	98	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 20th

South Kensington.

Max.	Time.	Min.	Time.
1·0	19th 18-18h	Nil	20th 1-6h

Kew Observatory.

Max.	Time.	Min.	Time.
0·3	20th 7h	0·1	20th 1h

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 19th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 20th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1010·8	NNE	4	b	28	1020·2	N	3	b	21
Brussels	1013·8	NE	3	b	30	1024·6	NNE	4	b	23
Berlin	1004·4	-	0	02	27	1016·2	N'W	3	So So.	28
Zürich	1006·4	E	4	c	18	1009·8	ENE	5	o	27
Rome	997·1	SSE	4	dr	48	992·9	S	2	rr	45

Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
32	19	-	-
32	21	-	-
28	27	Tr	0·5
37	23	-	-
54	43	12	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	2¼ ,,
6 Moderate ,,	6½ ,,
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.

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.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 21st FEBRUARY 1933.

No. 26024

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

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)	1025.8	+4	SSW	2	b	35	85	5	–	–	–	0	0	–
	Croydon	1025.5	-2	W	2	bc/f	34	75	4	7	–	–	4-6	4-6	2500
	S. Farnborough	1025.4	-6	–	0	bc	40	55	7	1	–	–	4-6	4-6	4000
	Winchester	1025.7	-6	N'W	2	bc	37	65	7	1	–	1	2-3	4-6	2500
	Boscombe Down	1025.9	-2	N'W	2	c	36	65	7	1	–	2	2-3	7-8	2500
	Calshot, S'thmtn	1025.9	+6	N	2	bc	39	55	7	1	–	5	1	2-3	2500
	Dungeness	*	*	SE	1	c	*	*	7	4	7	*	4-6	7-8	1500
	Lympne	1025.1	-4	SW	1	c	34	65	8	4	–	–	9	9	4000
2	Shoeburyness	1025.1	+6	SW	2	c	37	65	7	8	–	–	7-8	7-8	2500
	Felixstowe	1024.9	0	WNW	2	bc/f	34	85	6	2	–	1	2-3	4-6	2500
	Gorleston	1023.7	-2	WSW	2	bc	38	85	6	–	4	1	0	4-6	–
	Cranwell	1023.4	-12	SW	3	c	37	75	5	–	–	7	0	10	–
3	Birmingham	1025.0	-4	W	3	c	37	65	6	6	3	–	4-6	7-8	1500
	Upper Heyford	1025.5	-8	WNW	3	c	39	55	7	–	–	7	0	9+	–
4	Ross-on-Wye	1025.3	0	W	2	c	40	55	8	5	1	7	1	10	4000
5	Portland Bill	1027.7	+4	NNE	2	bc	39	75	7	4	–	–	4-6	4-6	1500
	Plymouth	1027.3	+2	NW'N	2	c	40	45	8	–	3	6	0	7-8	–
	The Lizard	1028.3	+2	W'N	2	bc	42	65	8	7	4	8	2-3	4-6	4000
	Scilly (St. Mary's)	1028.9	+8	NNE	2	c	44	65	8	7	–	–	7-8	7-8	4000
	Guernsey	1026.1	+10	NNE	4	bc	39	65	8	8	–	–	4-6	4-6	2500
6	Pembroke	1026.6	-4	W	2	c	42	65	8	7	2	–	4-6	9+	4000
7	Holyhead	1024.5	-6	W'S	5	cr_o	40	85	7	6	1	–	9	10	1500
	Chester (Sealand)	1024.4	-6	WSW	3	cr_o	39	75	6	5	2	–	7-8	10	1500
8	L'pool (Bidston)	1023.2	-4	WNW	5	c/d	39	75	8	5	1	–	7-8	10	1500
9	Harrogate	1021.3	-10	SW'S	3	s_o	34	95	5	5	–	–	10	10	2500
10	Spurn Head	1021.5	-4	W'S	4	c/f	36	85	3	5	1	–	7-8	9+	800
	Catterick	1019.7	-24	WSW	4	c	37	75	8	5	2	–	7-8	10	1500
	Tynemouth	1018.4	-24	W	3	s_o	37	95	6	6	–	–	10	10	1500
11	Inchkeith	1017.5	-8	SW	3	c	40	95	7	5	–	–	9+	9+	1500
	Leuchars	1016.4	-10	W	4	c	47	65	8	7	4	–	4-6	7-8	7200
12	Renfrew	1018.4	-10	W	3	c	47	85	7	8	–	–	9	9	1500
	Eskdalemuir	1019.5	-12	S	2	id$_o$	34	95	5	5	–	–	10	10	220
13A	Tiree	1019.9	+2	NNW	5	dr	43	95	8	5	7	–	7-8	9+	1500
13B	Stornoway	1016.8	-2	NW	3	bc/pr	42	75	8	8	7	–	2-3	4-6	1500
15	Dalwhinnie	1017.4	0	WSW	3	c	38	95	8	4	4	–	4-6	7-8	800
	Aberdeen	1015.2	+2	WNW	3	c	40	85	8	5	–	–	9	9	4000
	Wick	1013.2	-2	WNW	3	phr	40	95	8	8	1	–	4-6	7-8	2500
16	Lerwick	1007.9	+8	NNW	3	c	37	85	8	5	7	–	7-8	9	1500
17	Blacksod Point	1025.1	-6	W	4	c	50	95	8	4	–	–	7-8	7-8	450
18	Malin Head	1021.0	-2	W	2	rr	45	95	7	8	2	–	9	10	800
	Aldergrove	1022.7	-10	SW	4	c	42	95	8	5	–	–	9+	9+	800
	Donaghadee	1022.5	-12	SW	3	bc	41	85	7	5	3	–	4-6	4-6	1500
19	Birr Castle	1026.7	-2	S	2	cr_o	40	85	8	6	–	–	10	10	2500
20	Valentia Obsy.	1029.5	+2	WNW	2	c	46	75	9	5	–	–	10	10	5700
	Roches Point	1027.7	+2	NW	4	c	43	75	8	5	–	–	7-8	7-8	2500

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

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)	1024.3	-8	SW	2	bc	35	75	4	5	1	–	2-3	4-6	2500	1	*
	Croydon	1024.5	-6	SSW	2	c	35	65	5	–	2	6	0	7-8	–	1	*
	S. Farnborough	1024.5	-6	WSW	2	c	35	75	6	–	2	7	0	10	–	1	*
	Winchester	1025.4	-2	W'S	2	c	35	75	6	–	2	–	0	10	–	1	*
	Boscombe Down	1025.1	-4	WSW	3	c	34	75	6	5	1	–	7-8	10	2500	1	*
	Calshot, S'thmtn	1025.6	-2	WSW	2	c	37	55	6	–	1	7	0	10	–	0	0
	Dungeness	*	*	SW'W	2	c	*	*	7	5	1	*	4-6	7-8	1500	*	0
	Lympne	1025.0	0	WSW	2	c	32	75	5	5	2	–	9	10	2500	1	*
2	Shoeburyness	1024.2	-4	WSW	2	c	35	75	4	5	–	–	9+	9+	1500	1	*
	Felixstowe	1023.6	-6	SW	2	c	75	75	6	5	2	8	2-3	9+	4000	6	1
	Gorleston	1021.2	-6	SSW	3	c	34	75	6	–	2	–	0	10	–	6	2
	Cranwell	1020.6	-14	SW'W	5	r$_o$s$_o$	34	95	6	6	2	–	7-8	10	800	6	*
3	Birmingham	1021.5	-10	WSW	3	c/r	35	95	6	–	7	–	0	9	–	1	*
	Upper Heyford	1023.9	-6	W	3	pr$_s$	35	85	6	5	1	–	4-6	10	1500	1	*
4	Ross-on-Wye	1023.6	-10	W'S	3	c	37	75	8	5	2	–	2-3	9+	4000	1	*
5	Portland Bill	1025.8	-4	WNW	3	bc	40	75	7	4	–	–	4-6	4-6	2500	0	2
	Plymouth	1026.8	0	NW'W	3	c	41	55	6	1	2	7	Tr	10	2500	1	2
	The Lizard	1027.6	0	NW	3	c	41	65	8	4	2	–	2-3	9+	4000	0	*
	Scilly (St. Mary's)	1028.5	-4	NNW	4	c	42	75	8	1	2	–	2-3	9+	4000	0	2
	Guernsey	1026.9	+8	N	1	bc	37	65	7	7	1	–	2-3	4-6	2500	0	2
6	Pembroke	1025.2	-8	WSW	2	cr_o	41	85	7	3	6	–	4-6	10	1500	1	1
7	Holyhead	1021.8	-18	W'S	4	cr_o	43	95	6	6	2	–	9	10	1500	1	2
	Chester (Sealand)	1021.5	-14	W'S	4	c/r	40	85	6	5	–	–	9+	9+	1500	1	*
8	L'pool (Bidston)	1020.4	-8	W'N	6	c/pr	39	95	8	6	2	–	4-6	9	1500	1	*
9	Harrogate	1018.7	-6	WSW	4	c	36	85	7	5	–	–	9+	9+	4000	3	*
10	Spurn Head	1018.4	-8	W'S	4	c/f-	35	95	4	5	2	–	7-8	10	800	3	2
	Catterick	1017.6	-2	WSW	3	c	39	85	7	5	–	–	7-8	7-8	2500	6	*
	Tynemouth	1016.1	-8	W	3	bc	40	85	6	4	–	–	4-6	4-6	4000	1	2
11	Inchkeith	1016.1	+4	W	3	c	43	75	8	5	7	–	7-8	7-8	1500	0	2
	Leuchars	1015.7	-2	NW	4	bc	40	65	8	8	7	8	4-6	4-6	2500	1	*
12	Renfrew	1018.6	+6	WNW	2	bc	40	65	8	8	7	–	1	4-6	2500	1	*
	Eskdalemuir	1017.2	-4	W'N	5	bc	39	85	9	8	–	1	2-3	2-3	1500	1	*
13A	Tiree	1020.5	+6	NW'W	6	c	43	55	8	5	7	–	7-8	9	1500	0	4
13B	Stornoway	1015.8	-2	NW	6	c/phr	38	75	7	9	7	–	4-6	7-8	1500	1	2
15	Dalwhinnie	1017.2	0	WSW	4	c	36	95	8	4	2	–	4-6	7-8	1500	1	*
	Aberdeen	1014.4	0	WNW	3	bc/ps	35	85	8	8	3	–	4-6	4-6	1500	6	1
	Wick	1011.5	-6	NW	3	c/ps	35	95	8	8	1	–	4-6	7-8	1500	6	2
16	Lerwick	1006.0	-4	NW'W	2	PS	33	95	8	8	7	–	4-6	7-8	1500	3	*
17	Blacksod Point	1025.1	0	N	5	s_o	46	95	6	6	–	–	10	10	–	1	3
18	Malin Head	1022.1	+14	NW	5	c	44	85	8	5	8	–	7-8	9+	1500	2	2
	Aldergrove	1021.2	+2	NNW	4	cr_o	42	95	7	5	–	–	10	10	800	1	*
	Donaghadee	1021.3	0	N	3	cr_o	43	95	7	6	–	–	9	9	1500	1	2
19	Birr Castle	1024.7	-12	W	3	c	45	85	8	–	4	–	0	9	–	1	*
20	Valentia Obsy.	1028.4	-8	W	3	c	47	85	8	5	–	–	9+	9+	1500	0	2
	Roches Point	1026.8	-6	NW	3	c	45	75	8	5	–	–	7-8	7-8	2500	0	3

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	Weather. 7h.–13h. 20th (37)	13h.–18h. 20th (38)	18h. 20th to 1h. 21st (39)	1h.–7h. 21st (40)
1	London (Kew)	cm$_o$bz$_o$	bcc$_o$bcm	bcm$_o$is$_o$	bir$_o$m$_o$
	Croydon	o mc ff	bc$_o$bcy ⊕	c$_o$r$_s$m$_o$	cm$_o$rcbc
	S. Farnborough	bxcbc	bccm$_o$	cbccs$_o$c	circ
	Winchester	bbcm$_o$x	bccm$_o$	cm$_o$pr$_o$	crc
	Boscombe Down	bm$_o$xbc	bccm$_o$	c$_o$bbcc	cir$_o$c
	Calshot, S'thmtn	bm$_o$by	bccyz$_o$	cy$_o$cir	cir$_o$c
	Dungeness	s	o	*	oprd$_o$m
	Lympne	ossfbcc	bccm$_o$	cprs	r o p r d$_o$ m
2	Shoeburyness	cpsbc	cm	cm	cprc
	Felixstowe	bcm$_o$ffm$_o$	bcm$_o$bcyc	c$_3$$_o$	cr$_o$m$_o$bc
	Gorleston	bc	bcc	cbpr$_o$q	oqbcx
	Cranwell	xbm$_o$c	rs$_o$rs	crs$_o$rm$_o$	bcm$_o$
3	Birmingham	bc	cirs$_o$	cir$_o$	c
	Upper Heyford	bxcm$_o$y	cyprs$_o$	cprsm$_o$	cprc
4	Ross-on-Wye	bcbbcc	cyc	c	pcc
5	Portland Bill	bc	bc	c	pcc
	Plymouth	bbczy	ccym$_o$	c	cr$_o$
	The Lizard	bc	bcc	cbc	bcpr$_o$
	Scilly (St. Mary's)	bccbc	cbcc	bcb	bbcc
	Guernsey	bc	bc	bcc	oid$_o$
6	Pembroke	bccv	cvirc	cqir$_o$	cqir$_o$cq
7	Holyhead	bccr$_o$	rir$_o$	r$_o$r$_o$cq	cqr$_o$
	Chester (Sealand)	xcmr$_o$	cirm$_o$	~~clkqdkq~~	cprq
8	L'pool (Bidston)	bccid$_o$	cop$_o$q	cir$_o$c	cqr$_o$c
9	Harrogate	bois$_o$	s$_o$oc	cb	b
10	Spurn Head	cf	cfprs	oprbc3	bcc
	Catterick	cps$_o$	c	b	b
	Tynemouth	bcorsr$_s$	o s r$_o$bc	bco	opsbc
11	Inchkeith	cm$_o$	c	bcpsh	bc
	Leuchars	cbc	bcpr$_o$bcy	ccybc	bcbx
12	Renfrew	dm$_o$cr$_o$	cbc	bcpr$_o$bx	bcbx
	Eskdalemuir	ossid$_o$	cid$_o$bc	bx	bx
13A	Tiree	cbcir	cir$_o$	cphq	bc
13B	Stornoway	cpr$_o$	cPHSrq	cphs	cphs
15	Dalwhinnie	bc	bc	*	ss
	Aberdeen	osmc	cbcps$_o$	cpsb	bcps
	Wick	cphr	PHcprsq	cpsh	cpsh
16	Lerwick	orrcpr$_o$	cPS	cpshq	cpsh
17	Blacksod Point	cbc	prc	PRc	PRc
18	Malin Head	crr	cir	cpr$_o$	cpr$_o$
	Aldergrove	ors$_o$m$_o$	cr$_o$r$_o$m$_o$	c	cpr$_o$
	Donaghadee	cpr$_o$bc	bcir$_o$	ir$_o$bbc	bccpr$_o$
19	Birr Castle	bcoir$_o$	r$_o$c	circ	c
20	Valentia Obsy.	bcbcc	c	cpr$_o$bc	bcc
	Roches Point	c	cp$_o$c	cbc	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, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—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.
"t r" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.

(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
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.

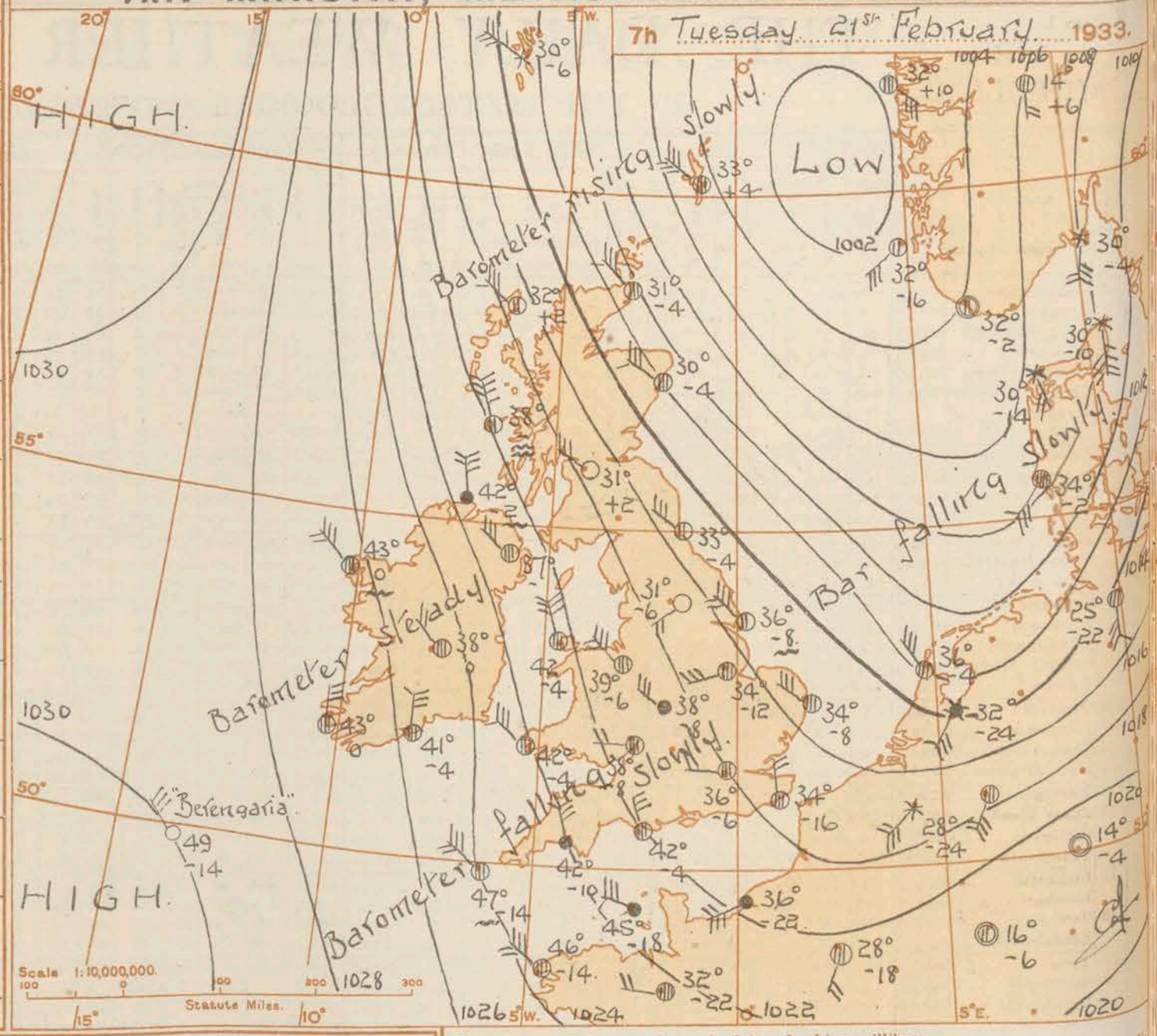
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for 20th February 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 19th to 9h. 20th	Temperature. Max. 9h.—17h. 20th	Rainfall. Night. 17h. 19th to 9h. 20th	Rainfall. Day. 9h.—17h. 20th	Sunshine. Sunrise to 17h. 20th	Sunshine. Sunrise to Sunset. 19th
1	Tunbridge W.	opsc	bcco	25	35	Trace	0·3	1·2	0·6
	Bournemouth	b	3	25	41	-	-	7·0	3·9
	Ventnor ...	xb3	bc3	27	40	-	-	7·6	1·7
	Southsea ...	b	b	27	39	-	-	7·6	0·5
	Bognor Regis	bcbc	bc	32	36	0·5	-	6·2	0·2
	Littlehampton	bc	bcb	27	38	0·6	-	5·5	0·7
	Worthing ...	bcc	bc	26	39	Trace	-	5·8	0·4
	Brighton ...	bc	bcc	28	37	Trace	-	3·0	1·2
	Eastbourne†	c	cbcc	27	37	0·1	-	2·9	2·7
	Hastings† ...	ocbc	bcc	27	38	-	-	3·9	2·7
	Folkestone ...	obc	bc	29	39	3	Trace	4·2	5·0
	Dover... ...	cobc	bcb	30	39	4	Trace	5·4	6·4
	Deal	bc	b	30	38	2	-	3·6	4·5
	Ramsgate ...	bc	bc	30	38	2	-	4·8	5·8
	Margate ...	bc	bc	31	41	2	-	5·5	5·7
2	Southend ...	cfsbc	bcmsf	26	40	Trace	0·5	4·5	2·2
	Maldon ...	bbc	bbcc	28	39	-	-	6·0	1·5
	Clacton-on-Sea	cpscbc	bcc	27	40	0·1	-	6·6	5·5
	Dovercourt ...	sfb	bcoc	25	39	2	-	3·8	4·8
	Lowestoft ...	b	bzc	21	35	5	-	7·4	2·8
	Skegness ...	bcomb	som	26	38	-	Trace	2·8	3·1
	Mablethorpe	bc	cosmo	29	38	Trace	Trace	2·9	4·1
	Cleethorpes ...	bc	cois	25	38	0·2	2	2·3	4·5
3	Leamington S.	cbc	copr	23	39	—	0·3	1·5	6·2
4	Cheltenham†	cmbc	bcco	21	38	Trace	-	2·4	3·7
5	Bath	mb	mbc	25	42	-	-	5·7	5·6
	Weymouth ...	b	bbc	26	42	-	-	7·0	5·5
	Jersey ...	sfxcbc	bc	33	41	3	-	8·5	0·7
	Torquay ...	bzo	bbcc	26	43	-	-	6·0	8·0
	Penzance ...	bcb	boc	29	46	-	-	5·8	8·2
	St. Ives ...	b	b	33	43	-	-	4·9	6·2
	Bude	bc	bcco	24	42	-	-	5·0	7·8
	Ilfracombe ...	bc	co	25	42	-	-	1·5	4·1
6	Aberystwyth	bbccx	crr	25	41	-	1	0·4	8·5
7	Llandudno ...	co	drzc	29	41	-	3	0·3	8·1
	Colwyn Bay...	bcco	orrbc	30	41	-	3	0·3	7·4
	Rhyl	bzc	corc	25	41	-	1	0·1	7·4
8	Wallasey ...	is,cr	rp	27	40	Trace	1	0·0	6·4
	Southport‖ ...	bccod	oro	27	40	-	2	0·3	8·6
	Blackpool ...	co	oro	27	41	-	2	0·0	8·3
	Morecambe ...	c	csrc	25	41	-	1	0·0	8·7
9	Ilkley... ...	bxbxs	or	21	37	-	1	0·9	4·3
10	Berwick-on-T.	osc	c	29	44	2	3	1·9	6·0
11	Dumbar ...	sbc	bc	31	46	0·5	-	2·6	1·5
12	Troon... ...	zoro	roc	29	46	Trace	0·3	0·1	6·6
	Douglas ...	xbccb	coirs,bc	28	43	-	4	0·0	8·8

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 21st Feb., 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Wind northwest, moderate or fresh; bright intervals; showers, perhaps of sleet or snow; colder later; night frost.
5. S.W. England	Wind northwest or north, fresh; bright intervals; showers of rain or sleet; rather cold; local night frost.
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind northwest or north, fresh, squally, strong locally at first; variable cloud; bright intervals; showers of sleet, or snow; cold; night frost.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Wind northwest or north, fresh or strong, squally; variable cloud; occasional snow or sleet; bright intervals; cold; night frost.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind northwest or north, moderate or fresh, strong in squalls locally; showers of snow or sleet; bright intervals; rather cold; local night frost.

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

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 1/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm.
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 west and northwest of the British Isles. A low-pressure system off the Norwegian and Danish coasts will move slowly southeast while becoming less deep. Cold northwest or north winds will be maintained. There will be showers and bright intervals. In the North snow or sleet will fall. Frost will occur tonight.

FURTHER OUTLOOK.

Cold; snow or sleet showers in the North and East.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

Forecasts issued at 1000 G.M.T.

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

Morning of
TUESDAY
21st February
1933.

Clarke'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 the wind. Number of feathers indicate Beaufort Force.
⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 21st FEBRUARY 1933.

No. 26024

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

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	-20	SW	3	c	36	85	5	5	7	-	7-8	10	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1022.0	-18	SWW	2	ir$_o$	37	85	7	5	7	-	7-8	10	2500
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1021.1	-22	WSW	3	$b_o b_o$	33	95	4	5	-	-	10	10	450
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1016.9	-20	SWW	3	o	35	95	6	6	-	-	10	10	1500
	Cranwell	240	1017.3	-12	W'S	4	c	36	95	6	5	-	-	10	10	800
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1022.4	-20	WNW	4	c	43	95	8	4	-	-	10	10	1500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	222	1025.8	-16	WNW	4	bc	44	85	8	4	4	-	2-3	2-3	4000
	Scilly (St. Mary's)	163	1027.0	-8	NW	5	b	45	85	8	-	-	-	0	0	-
	Guernsey	175	1025.1	-10	WNW	2	c	41	85	8	8	-	-	10	10	2500
6	Pembroke	142	1023.0	-6	WNW	4	ir$_o$	46	85	7	3	-	-	9+	9+	1500
7	Holyhead	26	1021.7	+4	NWN	6	bc	42	75	7	5	2	-	Tr.	4-6	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1015.9	-8	NWW	5	bc	34	95	5	5	-	-	2-3	2-3	800
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	67	10162	0	WNW	3	o	36	85	7	6	-	-	10	10	1500
11	Inchkeith	190	1016.6	+8	WNW	3	b	36	65	8	5	-	-	Tr.	Tr.	2500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1017.7	+8	NW	6	bc/ps	34	95	7	8	-	-	4-6	4-6	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1012.5	+8	NW	4	ps	32	95	8	8	1	-	4-6	7-8	1500
16	Lerwick	54	1005.4	-8	NW	7	psh	33	95	7	8	-	-	9+	9+	800
17	Blacksod Point	18	1026.9	+4	W	3	c	42	85	8	3	-	-	7-8	7-8	450
18	Malin Head	52	1022.0	-2	NW	5	c	43	85	7	5	2	-	9	10	1500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1027.7	0	W'N	4	bc	48	95	8	8	-	-	4-6	4-6	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1018.0	-6	WSW	1	c	36	85	6	-	7	2	-	9+	-	1	*
	Croydon	1018.1	-6	W	2	c	36	85	6	8	7	-	4-6	10	4000	1	*
	S. Farnborough	1018.6	-8	NW'W	2	c	35	85	7	5	2	-	4-6	10	2500	1	*
	Winchester	1018.9	-8	NW	3	c	36	85	8	5	1	-	1	10	4000	1	*
	Boscombe Down	1019.3	-2	NW	2	c	37	85	7	5	7	-	4-6	10	4000	1	*
	Calshot, (S'thmtn)	1018.3	-10	NW'W	3	c	39	85	7	5	7	-	4-6	9+	4000	1	1
	Dungeness	*	*	NW'W	2	$d_o d_o$	*	*	6	8	8	*	4-6	9	800	*	0
	Lympne	1017.4	-16	NNW	2	c/d	34	95	6	5	2	-	7-8	9+	1500	1	*
2	Shoeburyness	1017.1	-6	W'SW	2	c	36	85	7	5	1	-	Tr.	9	4000	1	*
	Felixstowe	1016.3	-4	WNW	3	bc	36	95	7	5	-	8	1	2-3	5700	1	1
	Gorleston	1014.4	-8	WNW	3	bc	34	95	6	8	4	-	2-3	4-6	2500	6	2
	Cranwell	1016.0	-12	W'S	3	c	34	85	6	5	-	-	9+	9+	4000	1	*
3	Birmingham	1018.8	-8	WNW	3	pr	38	75	6	6	-	-	9+	9+	1500	1	*
	Upper Heyford	1018.9	-10	NW	3	c	36	75	8	5	7	-	4-6	9+	2500	1	*
4	Ross-on-Wye	1019.9	-8	W	2	c	37	85	6	6	2	-	2-3	9+	2500	1	*
5	Portland Bill	1019.9	-4	NNW	3	c	42	95	8	3	2	-	4-6	10	1500	2	2
	Plymouth	1021.6	-10	NNW	4	ir$_o$	42	85	8	6	7	-	7-8	9+	1500	1	1
	The Lizard	1022.4	-14	NW'W	4	pr$_o$	45	95	7	8	-	-	10	10	2500	1	3
	Scilly (St. Mary's)	1023.8	-14	NW	5	c	47	95	7	8	-	-	7-8	7-8	4000		4
	Guernsey	1020.7	-16	WNW	4	$i d_o$	45	95	7	6	-	-	10	10	1500	1	3
6	Pembroke	1022.0	-4	NW	4	q	42	65	7	5	-	-	9+	9+	1500	0	2
7	Holyhead	1020.4	-4	NNW	6	c/r	42	75	8	5	-	8	4-6	7-8	4000	1	3
	Chester (Sealand)	1019.2	-6	NW'W	5	c	39	85	7	5	-	-	9	9	2500	1	*
8	L'pool (Bidston)	1018.7	0	NW	5	c	39	75	8	3	3	-	2-3	7-8	2500	1	*
9	Harrogate	1016.9	-6	SW	2	b	31	85	9	5	-	-	Tr.	Tr.	4000	8	*
10	Spurn Head	1014.6	-8	NW	5	bc	36	95	6	5	7	-	4-6	4-6	1500	3	4
	Catterick	1016.3	-4	NNW	4	b	33	75	8	-	-	-	0	0	-	6	
	Tynemouth	1015.4	-4	WNW	3	bc	33	65	7	5	-	-	2-3	2-3	1500	4	2
11	Inchkeith	1016.0	+2	W	3	bc	35	65	8	5	7	-	4-6	4-6	2500	0	2
	Leuchars	1016.0	+4	WNW	3	b	32	75	8	8	4	-	1	1	2500	4	*
12	Renfrew	1018.2	+2	W'N	3	b	31	85	7	5	4	-	1	1	4000	4	*
	Eskdalemuir	1017.2	-2	WNW	4	b	28	75	9	5	-	-	Tr.	Tr.	1500	4	*
13A	Tiree	1019.9	+2	NNW	7	bc/ph	38	75	7	8	7	3	4-6	4-6	800	1	5
13B	Stornoway	1018.0	+2	NW	4	bc/ps	32	85	8	8	-	-	4-6	4-6	1500	7	2
15	Dalwhinnie	1017.7	0	NW	3	c	29	95	7	4	4	-	4-6	7-8	1500	8	*
	Aberdeen	1013.3	-4	NW	4	c/ps	30	95	7	3	-	-	7-8	7-8	1500	8	2
	Wick	1012.0	-4	NW	4	c/ps	31	95	8	9	1	-	4-6	7-8	1500	8	3
16	Lerwick	1005.0	+4	WNW	6	c/ps	33	85	7	8	-	-	7-8	7-8	1500	8	*
17	Blacksod Point	1029.6	0	NW	5	c	43	95	8	3	-	-	7-8	7-8	450	0	4
18	Malin Head	1021.6	-2	N'W	5	pr$_o$	42	85	7	8	-	-	7-8	7-8	1500	2	4
	Aldergrove	1021.8	0	WNW	3	c/pr	37	85	8	8	-	-	9+	9+	1500	1	*
	Donaghadee	1020.4	0	NW	4	pr$_o$	40	75	7	5	-	-	7-8	7-8	1500	1	3
19	Birr Castle	1025.1	0	NW	2	c	38	95	7	-	7	-	0	10	-	1	*
20	Valentia Obsy.†	1027.7	0	N	3	c	43	85	8	5	2	-	7-8	9+	1500	1	*
	Roches Point	1026.0	-4	N	4	c	41	95	8	5	-	-	7-8	7-8	2500	0	3

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 20th Hrs. (36)
1	London (Kew)	37	34	29	-	0.2	3.4
	Croydon	37	33	30	-	0.6	2.5
	S. Farnborough	41	32	26	-	0.4	5.8
	Winchester	40	33	27	-	0.6	7.4
	Boscombe Down	39	32	29	-	0.4	4.7
	Calshot, (S'thmtn)	40	34	29	-	0.5	8.1
	Dungeness	39	33	*	Tr	Tr.	*
	Lympne	36	29	26	1	1	3.8
2	Shoeburyness	39	33	30	0.4	0.1	4.8
	Felixstowe	38	34	30	-	0.3	0.0
	Gorleston	38	31	29	-	0.2	6.6
	Cranwell	38	32	28	0.4	0.1	1.6
3	Birmingham	38	34	32	0.2	0.1	2.7
	Upper Heyford	40	32	31	Tr	0.5	*
4	Ross-on-Wye	41	37	32	-	0.2	4.8
5	Portland Bill	44	39	*	-	0.5	*
	Plymouth	42	37	36	-	0.1	6.2
	The Lizard	43	40	*	-	0.5	*
	Scilly (St. Mary's)	46	40	*	-		6.2
	Guernsey	40	35	35	-	0.1	7.7
6	Pembroke	44	40	*	0.1	0.4	1.4
7	Holyhead	43	40	38	4	1	0.2
	Chester (Sealand)	40	38	34	0.1	0.2	0.0
8	L'pool (Bidston)	39	36	35	1	0.5	0.0
9	Harrogate	36	31	25	0.2	-	0.5
10	Spurn Head	38	34	*	0.2	0.4	2.0
	Catterick	40	33	30	Tr	-	0.8
	Tynemouth	41	30	27	3	0.1	*
11	Inchkeith	46	35	28	Tr	0.1	1.9
	Leuchars	47	31	28	Tr	-	3.5
12	Renfrew	49	31	25	0.1	Tr	2.4
	Eskdalemuir	42	28	25	1	-	0.2
13A	Tiree	46	34	33	0.5	0.3	1.9
13B	Stornoway	43	30	*	2	4	4.1
15	Dalwhinnie	40	28	25	1	4	2.0
	Aberdeen	41	29	23	2	3	3.2
	Wick	40	30	*	3	2	*
16	Lerwick	38	32	*	4	3	0.9
17	Blacksod Point	51	41	*	2	0.3	*
18	Malin Head	45	38	*	11	0.3	0.4
	Aldergrove	45	35	31	3	0.2	0.1
	Donaghadee	47	37	*	3	1	*
19	Birr Castle	47	37	33	Tr	0.1	1.9
20	Valentia Obsy.†	48	42	39	Tr	0.2	1.0
	Roches Point	46	40	*	Tr	-	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations. except Greenwich & Hampstead rainfall, 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$_o$b3$_o$	bcc3$_o$bcm	bcom$_o$bir$_o$	37	34	29	-	0.2	3.4	*	*	6
CROYDON	217	omcff	bc3$_o$cy@	c3$_o$3cr$_o$bc	37	35	30	-	0.6	2.5	*	*	4
GREENWICH (Royal Observatory)	149	cf	cfb	csrc	37	34	29	-	0.3	0.0	61	72	5
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.3	*	*	*
WESTMINSTER (St. James' Park)	27	*	*	*	40	35	29			0.8	52	72	*
‡REGENTS PK. (Botanic Gardens)	168	*	*	*	40	33	33			1.5	66	73	*
CAMDEN SQUARE	110	cb	b	*	36	36	32	-	-	*	*	76	*
KENSINGTON	80	co	bcco3	*	38	35	29	-	0.1	1.7	At 18h. 61	73	*
HAMPSTEAD OBSERVATORY	450	obc	bc	*	37	32	27	-	0.3	2.9	*	81	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 21st

SOUTH KENSINGTON. Max.	Time.	Min.	Time.
1·1	18-20h 20th.	Nil	1-5h. 21st.

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0·6	9h.-20h.	0·1	1h.-21st.

FOREIGN OBSERVATIONS.

18h. G.M.T. 20th February

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1024.3	NNE	2	c	28
BRUSSELS	1024.3	NNW	2	b	28
BERLIN	1021.4	NNW	1	b	25
ZÜRICH	1015.2	N	2	$s_o s_o$	27
ROME	991.8	SSE	3	r$_o$r$_o$	45

7h. G.M.T. 21st February

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1021.1	SSW	2	c	28
1016.8	SW	5	$s_o s_o$	28
1020.5	-	0	b	9
1017.2	N	2	is$_o$	21
988.1	-	0	ir$_o$	41

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
32	19	-	-
32	23	-	Tr.
30	7	-	-
30	21	1	1
54	41	25	25

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.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 22nd February 1933.

No. 26.025

District.	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 21st. February														OBSERVATIONS at 18h. G.M.T. 21st. February														PAST 24 HOURS.			
																														Weather.			
		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)	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	7h.–13h. 21st.	13h.–18h. 21st.	18h 21st to 1h. 22nd.	1h.–7h. 22nd.
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)
1	London (Kew)	1017.1	-4	NNW	5	bc	42	35	7	5	–	–	4-6	4-6	4000	1014.7	-8	NWW	4	c	39	65	6	8	3	–	4-6	7-8	4000	1	*	cm bc	bcbcz	cq sb	bz
	Croydon	1017.1	-10	NW'N	4	bc	43	45	6	1	–	–	4-6	4-6	4000	1014.7	-10	W	2	c/s	37	75	5	8	7	–	4-6	7-8	2500	1	*	cm bc z y	bc z y c s m	cmpsbcc	cp sbc
	S. Farnborough	1017.4	-10	NW'N	3	ps	42	55	7	8	–	–	9+	9+	2500	1015.4	-10	NW	2	bc	36	75	7	7	–	–	4-6	4-6	4000	1	*	cbc c q y	cbcy	cpsbx	bx
	Winchester	1018.2	-10	NNW	5	c	42	55	8	5	–	–	9+	9+	4000	1015.9	-12	NW	3	c	38	65	8	5	–	–	7-8	7-8	4000	1	*	c	cbc	psb	b
	Boscombe Down	1018.6	-6	NNW	4	c	40	65	8	8	–	–	9	9	4000	1016.6	-6	NW	4	c	37	65	7	5	–	–	7-8	7-8	2500	1	*	cm z o c	cprs bc	bcp sb	bm x
	Calshot, S'thmtn	1018.2	-10	NW	4	c	44	55	7	8	7	–	7-8	9	2500	1016.3	-6	WNW	4	c j p	39	66	7	8	–	–	7-8	7-8	2500	0	1	cm c y	cbcy	bcq psb	bx
	Dungeness	*	*	NW	2	c	*	*	6	3	–	*	9	9	800	*	*	NW	2	c j -	*	*	5	5	–	*	9	9	800		1	0	0		s
	Lympne	1016.0	-10	NW	4	c	41	55	8	8	–	–	9	9	4000	1014.4	-14	NNE	2	bc	35	65	7	8	–	–	4-6	4-6	4000	1	*	cm bc y	cypsq	o55F b	bm csaf
2	Shoeburyness	1016.3	-4	NNW	3	bc/ps	36	85	7	8	–	–	2-3	2-3	4000	1014.0	-10	NW	1	c	35	75	6	5	2	–	2-3	7-8	2500	1	*	cb bc ps	bbccm	csbc	cisbc
	Felixstowe	1015.3	-6	NW	4	bc	41	65	8	8	–	–	4-6	4-6	4000	1013.7	-10	NNW	2	bc	34	75	8	8	–	–	4-6	4-6	4000	0	1	bc pr bcq	bcy	bccpss	cscbc
	Gorleston	1015.5	-4	NNW	4	c	40	75	6	9	–	–	7-8	7-8	1500	1013.0	-4	NW'N	2	bc	33	95	6	9	–	–	4-6	4-6	1500	6	2	bccv	cpsc	bcopsx	cprs Hq
	Cranwell	1016.3	-2	NW'N	4	bc	39	65	7	2	–	–	4-6	4-6	2500	1014.8	+4	NW	2	bc	30	85	8	8	–	–	2-3	2-3	2500	1	*	cbm c	cqpsc	bcpsm	b
3	Birmingham	1017.8	-4	NNW	4	bc	41	55	5	8	–	–	4-6	4-6	2500	1016.8	-2	N	5	ps	36	65	6	8	–	–	7-8	7-8	1500	1	*	pr bc	ps bc	psb	b
	Upper Heyford	1017.7	-2	NW	4	c	40	55	6	8	–	–	9+	9+	2500	1016.0	-2	WNW	3	c	36	65	8	9	3	–	7-8	7-8	450	1	*	cb bcc	cprc	cpsb	bm
4	Ross-on-Wye	1019.0	-6	NNW	3	sh	41	65	8	9	–	–	9	9	4000	1017.6	-8	NNW	4	c	37	65	9	8	–	–	7-8	7-8	4000	1	*	pc bcpc	bcpc bc	bcbbc	b
5	Portland Bill	1018.7	-4	NW	3	c	45	85	8	2	–	–	7-8	7-8	2500	1017.7	-10	NNW	4	c	41	85	7	4	–	–	9	9	1500	0	3	c	cprc	bc b	
	Plymouth	1021.7	-2	N'W	5	c	45	65	8	8	–	–	7-8	7-8	2500	1020.1	-6	NW'N	6	bc	42	55	7	8	–	–	4-6	4-6	2500	1	2	cu r o	cprh qbc	cpshss	cpsb
	The Lizard	1023.3	0	NNW	6	bc	47	65	8	8	–	–	4-6	4-6	4000	1022.0	-10	NW'N	5	bc	42	75	8	8	–	–	4-6	4-6	4000	1	3	pr bc	bcpr o	bccq	bcps
	Scilly (St. Mary's)	1024.5	+2	N'W	6	bc	47	75	8	2	–	–	4-6	4-6	4000	1023.4	-16	N'W	6	c j p	44	85	7	3	–	–	7-8	7-8	2500	0	4	cpbc	bcc	bcq pc	cqp
	Guernsey	1020.8	+4	NW	3	c	45	75	7	8	1	–	4-6	9	2500	1018.9	-12	N	4	bc/phr	43	75	7	8	–	–	4-6	4-6	2500	1	3	o PRc	o phbc	id bc	bc
6	Pembroke	1022.1	-2	NW	4	q	45	65	7	5	7	–	4-6	7-8	4000	1022.7	-10	WNW	4	q	41	55	7	5	5	4	4-6	7-8	1500	0	2	cq	cq pr y	bcq pscq	cq psc
7	Holyhead	1020.2	-2	NW	6	q	41	85	8	2	6	–	4-6	4-6	2500	1020.1	-2	NNW	7	bc/pr	38	75	8	2	6	–	4-6	4-6	1500	1	4	cq pr h q	q ph p o	bcq PH	bc c
	Chester (Sealand)	1018.5	-6	NW'N	5	bc	42	75	8	8	–	–	4-6	4-6	4000	1017.7	0	NW'N	5	bc	38	65	7	8	–	–	4-6	4-6	1500	1	*	cpr h q	bcq	bcqb	bx
8	L'pool (Bidston)	1017.9	-6	NW'N	5	q	41	65	8	1	–	–	1	1	4000	1016.9	-2	NNW	6	q	37	55	8	1	–	–	1	1	4000	0	*	bcq	bcqbq	b	b
9	Harrogate	1016.2	0	NW	3	bc	38	55	9	3	–	9	2-3	2-3	4000	1015.1	0	NW	3	b	34	85	8	8	–	–	1	1	4000	6	*	bbc	cbps o	o	b
10	Spurn Head	1014.1	0	NW	6	bc	38	75	7	3	7	–	2-3	4-6	2500	1012.6	-6	WNW	6	q	32	95	7	3	1	–	4-6	4-6	800	6	4	cbc	cqpsc	qpsc	q s
	Catterick	1015.5	-12	NW	3	bc j p	38	55	8	9	6	–	4-6	4-6	1500	1014.7	-2	NW	3	bc	34	55	8	2	–	–	2-3	2-3	4000	6		b	cpsqbcy	bcy	bc
	Tynemouth	1015.1	0	NW	2	bc/s	32	95	6	9	–	–	4-6	4-6	1500	1013.6	-4	NW	3	bc	35	95	6	2	–	–	4-6	4-6	2500	6	3	bcsobc	bcpsbc	bcopsq	o bcp s
11	Inchkeith	1016.7	-2	NW	4	bc	36	55	9	2	–	–	4-6	4-6	5700	1017.0	+2	WNW	3	bc	36	65	8	8	–	–	4-6	4-6	4000	0	2	cpsbc	bc	bbc	bc
	Leuchars	1016.0	-2	NW	5	bc/ps	37	55	9	7	8	–	2-3	2-3	2500	1015.6	+2	WNW	4	bc	34	65	9	7	6	–	2-3	2-3	2500	1	*	cpsh o b	cpsybq	bccbx	cbbcbx
12	Renfrew	1018.2	+2	NNW	3	bc	38	45	8	8	–	–	4-6	4-6	4000	1016.9	-8	NW'W	5	q	35	65	8	8	–	–	2-3	2-3	2500	4	*	bxbcpsy	bcbyq	bqbx	bx
	Eskdalemuir	1016.4	-4	NW	4	bc/ps	34	45	7	9	–	–	4-6	4-6	2500	1015.5	0	NW	5	b	30	56	8	4	–	–	1	1	2500	4	*	bxbcpsy	bcpsby	b	b
13A	Tiree	1021.7	+2	NNW	7	bc	38	65	8	3	–	3	2-3	2-3	1500	1021.8	0	NNW	7	bc	38	75	7	3	–	3	2-3	2-3	1500	1	5	bcpsq	bcpsq	bcpsh	bshq
13B	Stornoway	1018.9	+2	NW	5	ps	36	75	6	8	6	–	4-6	9+	1500	1021.3	+24	N	5	ps	34	95	7	8	2	–	4-6	9	1500	7	2	cphs	cphs	cphsqw	bcps
15	Dalwhinnie	1017.9	0	NW	4	cS	29	95	7	4	2	–	7-8	9	800	1017.5	+8	NW	4	cS	30	95	6	4	–	–	10	10	800	8	*	ss	ss		bc
	Aberdeen	1012.5	-6	NW	5	bc j p	34	85	8	3	–	–	2-3	2-3	2500	1014.5	+20	WNW	4	ps	32	95	5	9	3	3	7-8	7-8	1500	8	2	bcps	bccs	bcpsh	bcbsm
	Wick	1011.9	0	NW	4	bc	37	75	8	8	–	–	4-6	4-6	2500	1014.7	+18	NNW	4	c	36	85	8	8	1	–	4-6	7-8	1500	6	3	cpshbc	cpshc	phsbcq	bcq
16	Lerwick	1008.6	+12	NNW	6	c	37	65	7	5	7	–	4-6	7-8	1500	1013.2	+24	NNW	5	c/ps	33	95	8	8	–	–	7-8	7-8	1500	6	*	cq	cphs	cphsq bc	bccph
17	Blacksod Point	1028.1	+12	NW	6	bc	45	75	8	3	–	–	4-6	4-6	800	1029.2	+2	NW	6	q	42	75	8	5	7	–	4-6	4-6	2500	0	4	p o cq	bcq	cq	cq
18	Malin Head	1023.4	+8	N'W	6	c/phr	39	95	7	3	8	–	7-8	9+	1500	1023.3	0	N'W	6	c j p	40	75	7	9	–	–	7-8	7-8	1500	1	4	cphr	cph s	cph s	bcqh
	Aldergrove	1022.6	+10	N	5	c/ps	35	95	7	9	–	–	7-8	7-8	450	1022.9	+2	NW'N	6	ps	34	85	4	3	–	–	10	10	450	1	*	cpsh	cps	bcps	bcb
	Donaghadee	1021.5	+8	N	5	prs	37	85	7	9	3	–	4-6	4-6	1500	1021.3	+2	N'E	6	prs	37	75	8	9	3	–	2-3	4-6	1500	1	4	bcprsq	bcprsq	p o rbcq	bcq
19	Birr Castle	1025.7	0	NNW	3	bc	43	75	8	8	–	–	4-6	4-6	2500	1025.8	+6	NNW	2	bc/pr	38	85	8	8	–	–	2-3	2-3	2500	1	*	cprsbc	ph r o	bcbh	bcphs
20	Valentia Obsy.	1028.8	+2	NNW	4	pr	47	65	8	6	–	–	9+	9+	1500	1028.9	+2	N	5	bc/pr	44	75	8	3	–	2	1	4-6	2500	1	2	cpc bccpr	PP cypc bc	bcc pc	cp r
	Roches Point	1026.7	0	NW	5	bc	45	65	9	3	–	–	4-6	4-6	2500	1025.8	0	NW	5	bc	44	65	8	3	–	–	2-3	2-3	2500	0	3	cbcv	bc	bcb	bbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—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.
"t r" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
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.

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.*

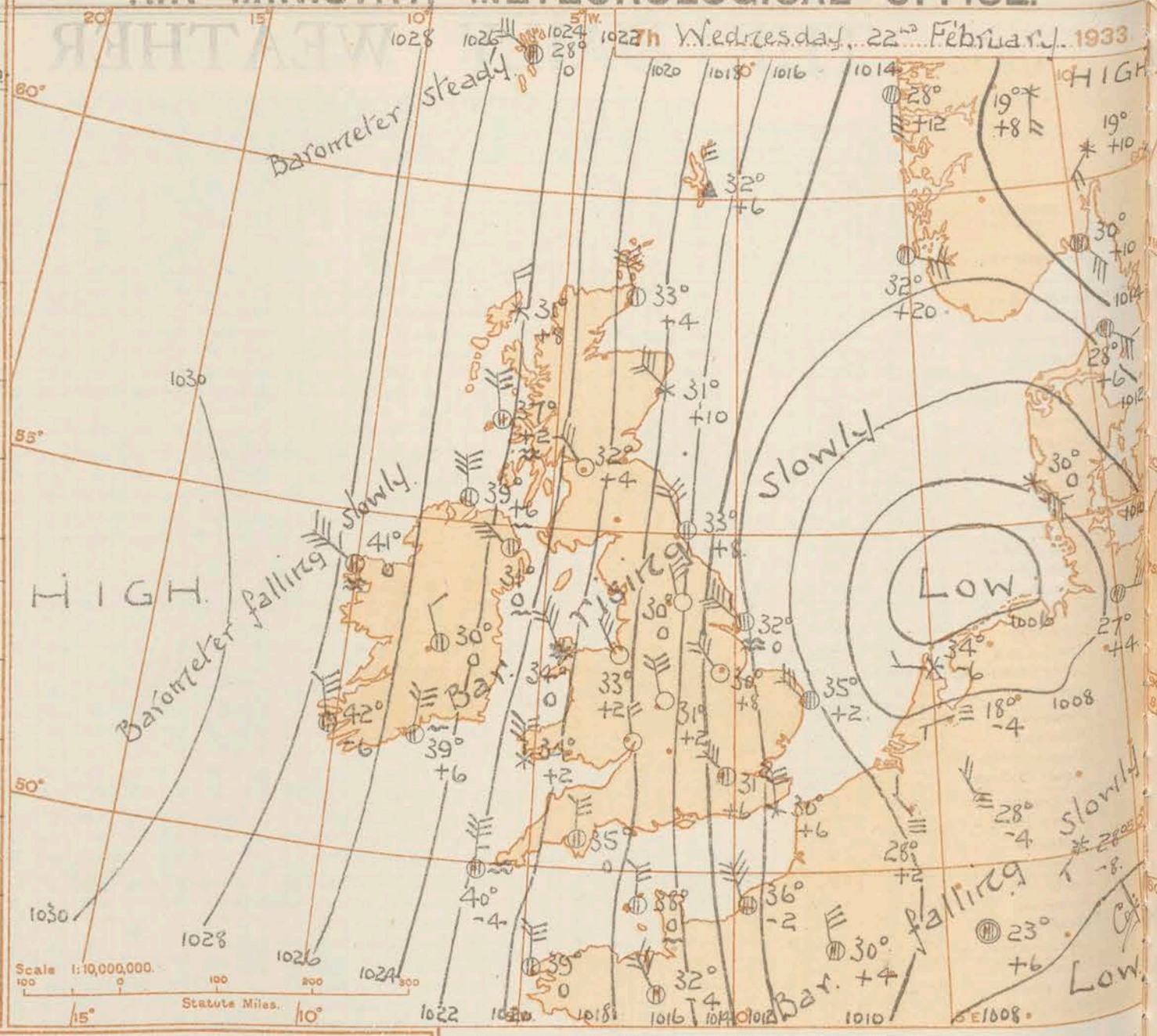
REPORTS from HEALTH RESORTS for Tues. 21st February 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 20th to 9h. 21st.	Temperature. Max. 9h.—17h. 21st.	Rainfall. Night. 17h. 20th to 9h. 21st.	Rainfall. Day. 9h.—17h. 21st.	Sunshine. Sunrise to 17h. 21st.	Sunshine. Sunrise to Sunset. 20th.
1	Tunbridge W.	bccb	bbc	29	43	0.5	-	6.9	1.2
	Bournemouth	obc	od	33	46	2	1	2.0	7.0
	Ventnor ...	pcob	boubf	30	46	1	-	4.4	7.6
	Southsea ...	cbc	bc	32	45	0.6	-	3.0	7.6
	Bognor Regis	cbc	bc	35	45	5	-	3.1	6.2
	Littlehampton	bc	bc	30	47	4	-	3.7	5.5
	Worthing ...	bcobc	bcpc	29	46	1	Trace	2.9	5.8
	Brighton ...	bcb	bc	31	46	1	-	4.1	3.0
	Eastbourne†	bc	bcbcb	37	46	0.4	-	5.8	2.9
	Hastings† ...	cbc	cbbc	32	46	0.6	-	5.1	3.9
	Folkestone ...	rbcb	bbc	30	44	1	-	5.5	4.2
	Dover... ...	ybcc	cby	33	43	1	-	5.6	5.4
	Deal	bco	cb	31	44	2	-	5.2	3.6
	Ramsgate ...	bbc	bc	32	44	2	-	5.9	4.8
	Margate ...	bc	bc	32	42	1	-	5.9	5.5
2	Southend ...	cmbc	bbcm	31	43	0.3	-	5.3	4.5
	Maldon ...	bcos	bbco	33	42	0.3	0.3	4.6	6.0
	Clacton-on-Sea	cbc	bcy	34	42	1	-	7.2	6.6
	Dovercourt ...	rsoc	bc	28	43	Trace	-	7.3	3.8
	Lowestoft ...	beip	copsh	25	41	Trace	1	6.2	7.4
	Skegness ...	b	bcosm	30	40	1	Trace	6.7	2.8
	Mablethorpe	bbc	bcos	32	41	1	0.3	7.3	2.9
	Cleethorpes...	bmb	boqusc	31	40	1	0.4	6.5	2.5
3	Leamington S.	cbc	beps	31	43	0.5	0.2	5.8	1.5
4	Cheltenham†	cuc	c	33	42	2	-	2.3	2.4
5	Bath	cbc	bcpsr	28	45	2	0.5	2.9	5.7
	Weymouth ...	cb	bcpbcb	33	48	0.2	Trace	3.8	7.6
	Jersey ...	rc	bcbpc	34	47	2	1	1.3	8.5
	Torquay ...	wcbc	bq	30	48	Trace	-	3.9	6.0
	Penzance ...	obc	bco	36	48	1	-	5.0	5.8
	St. Ives ...	c	b	36	47	1	-	3.9	4.9
	Bude	c	bcgbc	31	48	2	-	3.0	5.0
	Ilfracombe ...	cbcb	bbc	33	46	1	-	4.5	1.5
6	Aberystwyth	rrirc	cqprs	30	42	4	1	2.5	0.4
7	Llandudno ...	crssc	hcbc	37	41	5	2	2.3	0.3
	Colwyn Bay...	sohch	s bc.	36	41	5	1	1.4	0.3
	Rhyl	bcc	bch b	36	42	1	0.2	2.8	0.1
8	Wallasey ...	bcb	b	38	42	1	-	6.3	0.0
	Southport‖ ..	bccbc	bcb	37	43	2	-	8.4	0.3
	Blackpool ...	bc	bcc	38	42	-	-	8.8	0.0
	Morecambe ...	b	bsbcc	31	38	-	Trace	7.7	0.0
9	Ilkley... ...	bc	bcsb	27	42	0.5	0.6	6.3	0.9
10	Berwick-on-T.	cps	cbc	32	37	-	0.3	4.2	1.9
11	Dunbar ...	bcps	bc	34	37	Trace	?	3.3	2.6
12	Troon... ...	scbc	bbcbv	35	40	Trace	-	7.5	0.1
	Douglas ...	cbcir	ipsbc	36	41	2	0.5	6.1	0.0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Wednesday, 22nd February 1933



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Feb. 22nd, 1933.
1. S.E. England	Moderate or fresh northerly wind; bright periods; local snow showers, chiefly near east coast; cold; night frost, sharp locally.
2. E. England...	
3. E. Midlands	Fresh north or northeast wind, stronger locally on coast; variable cloud; occasional snow, heavy locally; cold; night frost, sharp locally.
4. W. Midlands	
5. S.W. England	Moderate or fresh northerly wind, stronger locally on coast; bright intervals; local showers of snow or sleet; cold; night frost.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	As 2 - 3.
10. N.E. England	
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	Fresh northerly wind, strong locally at first; snow showers; bright intervals; cold, sharp frost at night in places.
13. A. W. Scotld. B. N.W. Scotland.	
14. Mid-Scotland	Fresh or strong northerly wind, veering; variable cloud; occasional snow, heavy locally; cold; sharp night frost.
15. N.E. Scotland	
16. Orkneys and Shetlands.	
17. N.W. Ireland	As 4 - 8.
18. N.E. Ireland	
19. S.E. Ireland	Moderate or fresh northerly wind; bright intervals; local showers of snow, sleet or rain; rather cold; sharp night frost locally.
20. S.W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◎ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— ○Clear sky. ◔Sky less than 2/10 clouded. ◑Sky 2/10 to 5/10 clouded. ◕Sky 7/10 to 9/10 clouded. ●Overcast sky. ●Rain falling. ✳Snow. ✳Sleet ▲Hail ≡Fog ≡Mist. ϒThunder. ⊼Thunderstorm.
SEA DISTURBANCE.~~Rough. ≈≈High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

Pressure is high in a belt from north of Iceland to southwest of Ireland and also over North Russia and North Scandinavia, and is lowest over the Mediterranean. Weather will continue cold with north or northeast winds, and wintry showers in most districts but chiefly in the East and North.

FURTHER OUTLOOK.

Continuing cold; occasional snow in eastern districts.

Time of issue of Gale Warnings.

4 North Cone at 17.20 G.M.T. on 21st in districts 2,5,6,7,8,10,11,12,13A.,13B., 15, 16, 18 and 19.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

Forecasts issued at 1010 G.M.T.

H.M. Stationery Office Press, Kingsway WC2.

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

Morning of WEDNESDAY 22nd February 1933.

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 the wind. Number of feathers indicate Beaufort Force.
⊙ - Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 22nd. February 1933.

No. 26.025.

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

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. Mod. (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	1014.6	-6	WNW	3	ps	31	85	5	8	7	-	4·6	9	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8	1015.6	0	NW	5	b	33	75	8	-	-	-	0	0	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1012.9	-8	NNW	4	b	26	95	4	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	~~1009.9~~ ~~1026.2~~	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14		-16	WNW	2	c/s	31	95	6	9	-	-	9	9	1500
	Cranwell ...	240	1013.9	+2	NW	5	b	30	86	6	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1016.7	-4	NNW	5	b	36	86	8	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1021.9	+2	N'W	5	c	39	65	8	8	-	-	7·8	7·8	4000
	Scilly(St.Mary's)	163	1022.9	-4	N	7	c	41	85	8	2	-	-	7·8	7·8	4000
	Guernsey ...	175	1018.2	-2	NNW	5	bc	38	66	9	8	-	-	4·6	4·6	2500
6	Pembroke ...	142	1021.7	0	N	6	q	38	66	7	8	-	-	9+	9+	1500
7	Holyhead ...	26	1019.8	0	N	6	bc/ph(r)	39	75	8	4	-	-	4·6	4·6	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1011.3	-2	NW	6	q	32	95	7	3	2	-	4·6	4·6	800
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1014.4	+8	N	4	o	34	96	6	6	-	-	10	10	1500
11	Inchkeith ...	190	1019.1	+4	NW	3	bc	33	85	8	5	-	-	2·3	2·3	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1023.1	+6	N	4	bc	33	95	7	8	-	-	4·6	4·6	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	87	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1017.7	+12	NNW	5	bc	35	85	8	3	7	-	4·6	4·6	1500
16	Lerwick ...	54	1015.9	+10	NNW	4	bc/ps	32	95	8	5	-	-	2·3	2·3	1500
17	Blacksod Point	18	1027.0	-6	NW	7	q	42	85	7	8	-	-	9	9	220
18	Malin Head ...	52	1024.4	0	N'W	6	bc/ph(r)	37	95	7	6	-	-	2·3	2·3	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1023.5	-6	NW'N	5	bc	42	95	8	8	-	-	4·6	4·6	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 22nd. 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. Mod. (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)
1014.8	+10	NNW	3	b	31	75	6	5	-	-	Tr.	Tr.	2500	6	*
1014.6	+6	NW	4	bc	31	75	6	8	-	-	2·3	2·3	1500	6	*
1015.3	+4	NW'N	2	b	30	75	7	-	-	-	0	0	-	6	*
1016.3	+6	NW'N	4	b	29	85	7	-	-	-	0	0	-	4	*
1016.6	+10	NNW	4	b	29	85	6	-	-	-	0	0	-	4	*
1015.2	+6	NW'N	5	b	32	75	7	-	-	-	0	0	-	0	3
*	*	NW	3	c	*	*	6	4	-	*	9	9	800	*	2
1011.5	+6	N'W	5	~~b~~	30	95	4	5	-	-	9+	9+	800	7	*
1012.3	+4	N	4	bc	31	95	7	5	7	-	Tr.	2·3	2500	8	*
1011.4	+4	NW'N	3	bc	31	95	7	5	-	-	4·6	4·6	800	7	2
1010.1	+2	NW	4	c	35	85	7	9	-	-	7·8	7·8	1500	7	2
1014.9	+8	NW	5	b	30	75	8	5	-	-	1	1	4000	4	*
1017.3	+2	NNW	5	b	31	75	6	-	-	-	0	0	-	6	*
1016.8	+4	NW	4	b	28	75	6	-	-	-	0	0	-	8	*
1018.2	0	NNW	2	b	31	75	8	-	-	-	0	0	-	4	*
1016.7	+2	NNE	4	bc	34	95	8	5	-	-	2·3	2·3	1500	6	3
1018.7	0	N	4	bc	35	75	9	8	-	-	2·3	2·3	2500	5	2
1020.5	-2	N'E	5	b	37	75	7	5	-	-	9	9	2500	1	3
1021.9	-4	N	7	c	40	75	8	2	-	-	7·8	7·8	4000	0	5
1016.9	0	N	4	bc	38	65	8	8	-	-	4·6	4·6	2500	0	4
1020.4	+2	N	5	bs	34	85	6	5	-	-	10	10	450	7	2
1020.6	0	NNW	5	bs	~~35~~ 34	95	9	9	-	-	9+	9+	1500	7	3
1019.2	+2	NW'N	3	b	33	75	7	1	-	-	1	1	2500	4	*
1018.9	0	NNW	4	b	35	65	8	-	-	-	0	0	-	4	*
1016.6	0	NNW	3	b	30	75	9	-	7	-	0	Tr.	-	6	*
1011.3	0	NW	7	q	32	95	6	3	2	-	4·6	7·8	1500	8	5
1016.4	+6	NW	5	b	31	75	7	3	-	-	1	1	2500	6	*
1014.9	+8	NNW	5	bc/ps	33	95	7	9	-	-	4·6	4·6	1500	6	3
1019.9	+6	NW	3	bc	32	85	8	5	4	-	2·3	4·6	4000	0	2
1019.6	+8	NW	3	b	31	75	9	5	4	-	Tr.	Tr.	2500	4	*
1021.6	+4	NNW	4	b	32	95	8	8	-	-	Tr.	Tr.	4000	4	*
1020.7	0	NNW	5	b	28	65	9	-	-	-	0	0	-	4	*
1024.1	+2	N'W	6	bc	37	65	8	8	-	-	4·6	4·6	800	6	5
1024.5	+8	N	2	ps	31	95	4	8	-	-	4·6	7·8	800	7	1
1021.5	+6	NW	4	bc	26	95	8	4	4	-	2·3	4·6	2500	7	*
1019.0	+10	NW	4	ps	31	85	6	3	-	-	7·8	7·8	1500	8	2
1019.2	+4	NNW	5	bc	33	85	8	3	1	-	4·6	4·6	1500	6	3
1017.1	+6	NNW	3	ph(r)	32	75	8	9	-	-	7·8	7·8	1500	6	*
1027.5	0	NW	7	q	41	85	8	3	-	-	4·6	4·6	800	0	5
1024.3	+6	N'W	6	bc/p	39	75	7	9	8	-	4·6	4·6	1500	6	4
1023.6	0	NW	3	bc/ps	31	85	8	2	-	3	2·3	2·3	1500	6	*
1022.1	-2	N	7	q	38	65	7	5	3	-	2·3	4·6	1500	0	4
1025.6	0	NNW	1	bc	30	95	8	5	-	-	2·3	2·3	2500	4	*
1027.6	-6	N	4	c	42	65	8	3	-	-	7·8	7·8	2500	1	*
1025.4	+6	N	5	bc	39	85	8	3	-	-	2·3	2·3	2500	0	4

PAST 24 HOURS.

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)
44	30	22	-	Tr.	5·8
43	30	26	Tr.	0.1	6.1
45	29	23	Tr.	0.2	3.6
44	28	22	-	0.1	3.7
42	28	25	Tr.	Tr.	2.6
44	30	26	-	Tr.	2.3
45	~~29~~ 27	*	-	0.3	*
42	25	21	0.1	4	5.3
43	25	30	0.1	4	5.2
42	30	25	Tr.	2	6.6
41	29	27	1	3	5.7
40	27	24	Tr.	Tr.	6.5
42	30	24	Tr.	Tr.	4.1
42	27	20	Tr.	0.5	*
43	30	19	0.2	-	4.0
46	32	*	Tr.	-	*
46	32	30	0.1	0.5	3.2
47	26	*	0.1	-	*
48	37	*	0.4	0.3	6.6
46	37	33	2	0.1	3.1
46	32	*	1	3	4.0
43	~~34~~ 33	33	1	2	3.2
42	31 35	26	Tr.	-	5.2
41	34		-	-	6.0
39	30	25	Tr.	-	6.6
~~38~~ 39	30	*	Tr.	Tr.	6.2
39	31	28	0.4	-	7.3
38	32	28	0.6	Tr.	*
38	31	26	0.3	-	6.4
38	29	22	Tr.	-	7.0
42	28	19	Tr.	-	7.9
37	28	25	Tr.	-	8.3
39	33	32	1	0.3	5.5
38	30	*	2	3	3.0
32	26	21	2	1	1.7
35	30	24	2	3	5.5
38	30	*	1	0.3	*
37	31	*	Tr.	Tr.	5.3
47	~~38~~	*	0.1	-	*
42	33	*	0.2	0.5	2.3
39	30	25	1	0.6	2.4
41	36	*	5	0.4	*
45	30	23	0.4	0.6	3.7
47	41	38	0.5	0.1	4.4
47	37	*	-	-	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 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	cm bc	bc bc 3o	cq sb 3o	44	30	22	-	Tr.	5·8	*	*	6 5 5
Croydon	217	cm bc 3, 4	bc 3, y c c q m	p b c p s b c	43	30	26	Tr.	0.1	6·1	*	*	
Greenwich (Royal Observatory) ...	149	c b c y	bc y c s	i s c s b	43	30	25	Tr.	1	2·6	40	81	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	4·9	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	45	31	26	0.4		5·9	39	75	*
†Regents Pk. (Botanic Gardens) ...	168	*	*	*	43	30	25	0.3		6·6	50	89	*
Camden Square	110	c	bcc	*	45	30	26	0.5	0.5	*	*	76	*
Kensington	80	c b c	b c	b c s	44	31	26	-	1	5·9	At 18h. 91		*
Hampstead Observatory	450	b c	b c f	b x	44	27	21	1	0.1	6·6	69	88	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 22nd.

South Kensington. Max.	Time.	Min.	Time.
1.0	9h. 21st	Nil.	2h-6h 22nd

Kew Observatory. Max.	Time.	Min.	Time.
0.4	9h. 21st	<0.1	13h. 21st

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 21st. February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 22nd. February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1014.7	S	2	cf	34	1010.6	NNW	3	c	30
Brussels	1012.6	-	0	o/s	30	1009.4	WNW	1	o/f	28
Berlin						1010.2	-	0	f	18
Zürich	1015.1	SSW	1	b	25	1006.7	SE	1	f	18
Rome	987.8	NE	2	oid$_o$	43	990.3	ENE	2	c	34

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
37	21	1	2
	27	1	1
	14		-
36	18	Tr.	-
45	34	6	-

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 ,,	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.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1hr. observations are from Valentia W/T station. ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 23rd February 1933.

No. 26.026

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

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)	1014.2	-4	N'W	5	ps	37	65	6	8	–	–	7-8	7-8	2500
	Croydon	1014.5	-2	NNW	5	is$_o$	36	65	5	9	–	–	10	10	1500
	S. Farnborough	1015.0	-2	NW	4	c	38	55	7	5	3	–	9+	9+	4000
	Winchester	1015.7	-6	N'W	6	bc	39	55	7	1	–	–	4-6	4-6	4000
	Boscombe Down	1016.2	-6	NNW	5	bc	38	55	7	1	–	–	4-6	4-6	2500
	Calshot, S'thmtn	1015.4	-6	NNW	6	bc	39	55	6	1	–	–	2-3	2-3	2500
	Dungeness	*	*	NW	2	c	*	*	6	8	–	*	9	9	1500
	Lympne	1011.4	-12	NNW	6	sf	34	85	3	5	–	–	9+	9+	800
2	Shoeburyness	1012.2	-6	NNW	5	ps	35	95	5	5	–	–	9+	9+	2500
	Felixstowe	1011.3	-2	NW	4	ps	34	95	8	5	–	1	4-6	4-6	800
	Gorleston	1009.9	-2	N'W	6	c/pr	39	85	6	9	–	–	9	9	1500
	Cranwell	1015.3	+6	NW'N	6	bc	37	75	7	8	3	–	2-3	4-6	1500
3	Birmingham	1017.3	0	NNW	4	b	37	65	5	1	–	–	1	1	2500
	Upper Heyford	1016.6	+2	NNW	5	c	37	65	6	1	–	–	7-8	7-8	1500
4	Ross-on-Wye	1018.0	0	N'W	4	b	40	45	8	1	–	–	Tr	Tr	4000
5	Portland Bill	1016.4	-6	NNE	4	bc	41	75	8	4	–	–	2-3	2-3	2500
	Plymouth	1019.3	-6	NNW	6	bc/jp	42	55	7	8	3	3	4-6	4-6	2500
	The Lizard	1021.0	0	N	4	is	37	85	7	8	–	–	9+	9+	2500
	Scilly (St. Mary's)	1022.1	0	N'E	7	c	41	65	7	2	–	–	7-8	7-8	4000
	Guernsey	1017.6	0	N	4	b	41	65	8	1	–	–	1	1	2500
6	Pembroke	1022.0	-4	NNE	4	ps	34	95	5	8	–	–	10	10	800
7	Holyhead	1021.4	+2	N'E	5	bc/jp	40	55	9	2	–	–	2-3	2-3	2500
	Chester (Sealand)	1019.9	+2	NW'N	5	bc	39	65	7	2	–	–	4-6	4-6	2500
8	L'pool (Bidston)	1019.8	0	N'W	4	b	37	65	8	1	–	–	1	1	4000
9	Harrogate	1017.7	+6	NNW	4	c	37	55	9	3	–	–	7-8	7-8	4000
10	Spurn Head	1012.6	+4	N	7	q	39	75	7	3	3	–	2-3	4-6	1500
	Catterick	1017.9	+2	NNW	5	bc/ps	37	65	8	3	–	–	2-3	2-3	2500
	Tynemouth	1017.1	+4	NNW	5	c/ps	34	85	6	9	–	–	7-8	7-8	1500
11	Inchkeith	1021.2	0	NW	3	c	36	75	8	8	–	–	9	9	2500
	Leuchars	1020.6	0	NNW	4	bc	38	55	8	1	6	–	2-3	2-3	4000
12	Renfrew	1022.2	-2	N	4	bc	39	45	8	1	–	–	4-6	4-6	4000
	Eskdalemuir	1020.7	+6	N'W	4	bc	34	45	8	2	–	–	4-6	4-6	2500
13A	Tiree	1025.1	+4	N	5	bc	39	75	8	8	–	–	4-6	4-6	1500
13B	Stornoway	1025.3	+2	N	3	ps	33	95	6	8	7	–	4-6	7-8	1500
15	Dalwhinnie	1023.2	+8	NW	3	bc	30	95	8	4	4	–	2-3	4-6	2500
	Aberdeen	1019.7	+4	NW	4	bc/jp	35	65	8	3	–	–	4-6	4-6	2500
	Wick	1020.9	+2	NNW	5	ps	35	85	8	9	8	–	4-6	4-6	1500
16	Lerwick	1018.9	+2	N'E	2	c/phr	32	75	8	8	–	–	7-8	7-8	1500
17	Blacksod Point	1027.4	0	N	3	c	41	95	8	8	–	–	7-8	7-8	800
18	Malin Head	1024.9	0	N'W	5	c/jp	39	85	7	9	7	–	7-8	9+	1500
	Aldergrove	1024.2	-2	NNW	4	bc	38	75	8	8	4	–	1	2-3	2500
	Donaghadee	1024.2	0	N'E	6	q	41	65	8	9	–	–	4-6	4-6	1500
19	Birr Castle	1025.7	-6	N	3	bc	41	65	8	7	–	5	2-3	4-6	2500
20	Valentia Obsy.	1027.0	+6	N'E	4	c	45	55	9	5	–	–	9	9	4000
	Roches Point	1025.4	-4	N	5	bc	42	65	9	3	–	–	4-6	4-6	2500

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

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. (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)	1015.2	+10	NNW	4	bc	36	55	5	4	–	–	2-3	2-3	2500	1	*
	Croydon	1014.6	+6	NW'N	3	bc	36	65	5	7	–	–	4-6	4-6	2500	1	*
	S. Farnborough	1015.7	+10	NNW	4	b	35	65	6	8	–	–	1	1	4000	1	*
	Winchester	1016.1	+8	N'W	4	b	34	65	7	4	–	–	1	1	4000	1	*
	Boscombe Down	1016.6	+6	NNW	4	bc	34	65	6	8	–	–	4-6	4-6	2500	1	*
	Calshot, S'thmtn	1015.8	+8	NNW	4	bc/ps	37	65	6	8	–	–	4-6	4-6	2500	0	2
	Dungeness	*	*	NW	3	c	*	*	7	5	–	*	9	9	1500	*	2
	Lympne	1012.2	+10	NNW	5	bc	34	75	7	5	–	–	4-6	4-6	1500	6	*
2	Shoeburyness	1012.8	0	NNW	5	bc	35	85	7	4	7	–	2-3	2-3	2500	7	*
	Felixstowe	1011.9	+6	NW'N	4	q	34	85	7	8	–	–	4-6	4-6	1500	1	2
	Gorleston	1010.3	+4	NW'N	6	bc	38	75	7	9	–	–	4-6	4-6	2500	1	4
	Cranwell	1016.0	+6	NW'W	5	bc/ps	31	85	7	8	–	–	4-6	4-6	1500	4	*
3	Birmingham	1018.0	+4	N	4	c	35	55	6	5	–	–	9	9	4000	12	*
	Upper Heyford	1017.1	+6	NNE	3	c	34	65	6	7	–	–	7-8	7-8	1500	1	*
4	Ross-on-Wye	1018.4	+4	N	3	bc	35	55	8	8	–	–	2-3	2-3	4000	1	*
5	Portland Bill	1016.8	+4	N	4	bc	38	75	7	4	–	–	4-6	4-6	2500	0	3
	Plymouth	1019.0	+6	N	5	bc	39	55	8	3	–	–	4-6	4-6	4000	1	2
	The Lizard	1020.9	+2	N'W	2	c/jp	35	75	8	9	–	–	7-8	7-8	2500	1	2
	Scilly (St. Mary's)	1021.3	-2	N'E	6	c/jp	41	65	7	3	–	–	7-8	7-8	2500	0	5
	Guernsey	1017.1	0	N	3	c	40	55	7	8	–	–	7-8	7-8	1500	0	3
6	Pembroke	1020.6	0	NNE	3	psh	37	75	7	8	–	–	9+	9+	800	6	1
7	Holyhead	1021.3	+2	N	5	c/phr	39	55	7	3	–	–	7-8	7-8	2500	1	3
	Chester (Sealand)	1019.9	+4	NNW	4	bc	36	55	6	8	–	–	4-6	4-6	2500	1	*
8	L'pool (Bidston)	1020.0	0	N	4	bc	36	55	8	7	1	–	2-3	4-6	4000	0	*
9	Harrogate	1018.3	0	N	3	b	31	85	8	3	–	–	Tr	Tr	2500	4	*
10	Spurn Head	1013.5	+2	N	6	ps	37	75	7	3	7	–	4-6	7-8	1500	3	5
	Catterick	1018.3	0	NNW	4	bc/ps	32	85	7	8	–	–	4-6	4-6	2500	6	*
	Tynemouth	1018.0	+6	NNW	4	bc/ps	32	95	7	9	–	–	4-6	4-6	1500	6	3
11	Inchkeith	1021.4	+4	NW	3	bc	34	65	8	8	6	–	4-6	4-6	4000	0	2
	Leuchars	1020.7	+2	NW	4	bc/jp	34	65	8	8	6	–	1	1	4000	1	*
12	Renfrew	1022.9	+6	NW	2	b	34	65	7	7	–	–	1	1	4000	0	*
	Eskdalemuir	1021.1	+4	NNE	4	b	28	55	9	4	–	–	Tr	Tr	4000	4	*
13A	Tiree	1024.6	-2	NNW	4	bc	38	65	8	8	–	–	4-6	4-6	1500	0	4
13B	Stornoway	1024.2	-2	N	1	c	32	85	8	8	7	–	4-6	7-8	1500	7	0
15	Dalwhinnie	1022.5	+2	NW	3	bc	28	95	8	4	–	–	4-6	4-6	4000	9	*
	Aberdeen	1020.1	+2	NW	4	bc/ps	30	95	7	3	–	3	4-6	4-6	1500	8	2
	Wick	1020.7	-4	NW	5	ps	31	95	8	9	1	8	4-6	7-8	1500	6	3
16	Lerwick	1018.5	0	NNE	5	c/ps	30	95	7	8	–	–	7-8	7-8	1500	7	*
17	Blacksod Point	1026.5	-4	N	3	bc	40	95	9	2	–	6	2-3	4-6	1500	0	3
18	Malin Head	1024.3	-2	N	4	c	39	85	8	4	7	–	7-8	7-8	1500	1	2
	Aldergrove	1023.9	0	NNW	2	b	34	75	8	8	–	–	1	1	2500	6	*
	Donaghadee	1023.5	-2	N'E	3	bc	38	65	8	5	–	–	4-6	4-6	1500	0	2
19	Birr Castle	1024.1	-4	N	1	bc/prs	38	75	8	7	–	–	4-6	4-6	2500	1	*
20	Valentia Obsy.	1026.5	-2	N'E	4	c	42	65	8	5	3	9	7-8	7-8	2500	0	2
	Roches Point	1024.9	0	N	3	c	41	65	9	5	–	–	7-8	7-8	2500	0	3

PAST 24 HOURS.

Stations	Weather. 7h.–13h. 22nd (37)	Weather. 13h.–18h. 22nd (38)	Weather. 18h. 22nd to 1h. 23rd (39)	Weather. 1h.–7h. 23rd (40)
London (Kew)	b, cps$_o$	c$_j$b$_z$b$_{zo}$	b$_3$.b	b m$_o$ x
Croydon	bm$_o$cs$_o$	cs$_{zo}$b$_{cy}$	bcb3$_o$	bccm$_o$
S. Farnborough	bxbcy	cybcyb	b3$_o$x	bm$_o$x
Winchester	bbcy	cyps bc	b	bcb
Boscombe Down	bm$_o$xbc	bcc bcby	b	bm$_o$
Calshot, S'thmtn	bq$_{zo}$	bcps$_o$qw$_{zo}$	bcbq	b×q
Dungeness	0	0	*	0
Lympne	cs bssc m	cs f bcq	bm$_o$	cpsm
Shoeburyness	bccps$_o$m$_o$	cpsm$_o$bc	bc	cps$_o$cq
Felixstowe	bcps$_o$	bcps$_o$q	bcb	b, os$_o$s$_o$
Gorleston	cqpsh	cbcpr$_o$	bccprhq	cqphr
Cranwell	bbc	b, cps$_o$	bccpsm$_o$	bbc
Birmingham	b	bbcc	cb	b
Upper Heyford	bbcm$_o$	cprsc	cbm$_o$	bm$_o$x
Ross-on-Wye	bby	bcycby	bcb	b
Portland Bill	zc	bczc	bcb	bbc
Plymouth	bbcyjp	bcps$_o$y	bcyb	bx
The Lizard	cPHc	cisbc	cbcx	bcps$_o$
Scilly (St. Mary's)	p$_o$bcc	cbcc	prs q	cp hr
Guernsey	bc	bcc	cbc	bc
Pembroke	cqpsc	cqpsph	bbcpsh	bcc
Holyhead	phqbc	bcph$_o$	bcby	bbc
Chester (Sealand)	bbc	bcy	bcbx	bx3$_o$
L'pool (Bidston)	b	bbybc	ybcb	xbbc
Harrogate	bbc	bcb	b	b
Spurn Head	iscq	ps	q ph	qcscss
Catterick	bcps$_o$	bccps$_o$	cph ss	bc
Tynemouth	bccpsq	cbcps	bcpstlmccps	cps$_o$c
Inchkeith	bc	bc	bcb	bbc
Leuchars	bvxby	bypsps$_o$	bbcbx	cbbccx
Renfrew	bxbbcy	bcby	bx	bccx
Eskdalemuir	bvbc	bcyby	b	b
Tiree	bcpsh$_o$q	jp	bcpshq	bc
Stornoway	cps$_o$	cpsbc	cbc	bcph
Dalwhinnie	bc	bc	*	bc
Aberdeen	bcpsh	bccps	cpsbc	cpscb
Wick	bcpsq	cphsq	bcps	bcpsc
Lerwick	cph	cpsh	cbcpsh	bcc
Blacksod Point	pr c	cbc	pr c	pr c
Malin Head	bcphs$_o$	cjp	b ph	c
Aldergrove	bjps	b	bx	bxos$_o$s$_o$
Donaghadee	bcq	bc	bbc	bcprs
Birr Castle	bc	bcprs$_o$	bcb	bbcx
Valentia Obsy.	cbcpr$_o$c	cbcyc	cbc	bcc
Roches Point	bcv	bcvcv	cubcx	bccx

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, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—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.
"t r" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.

(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

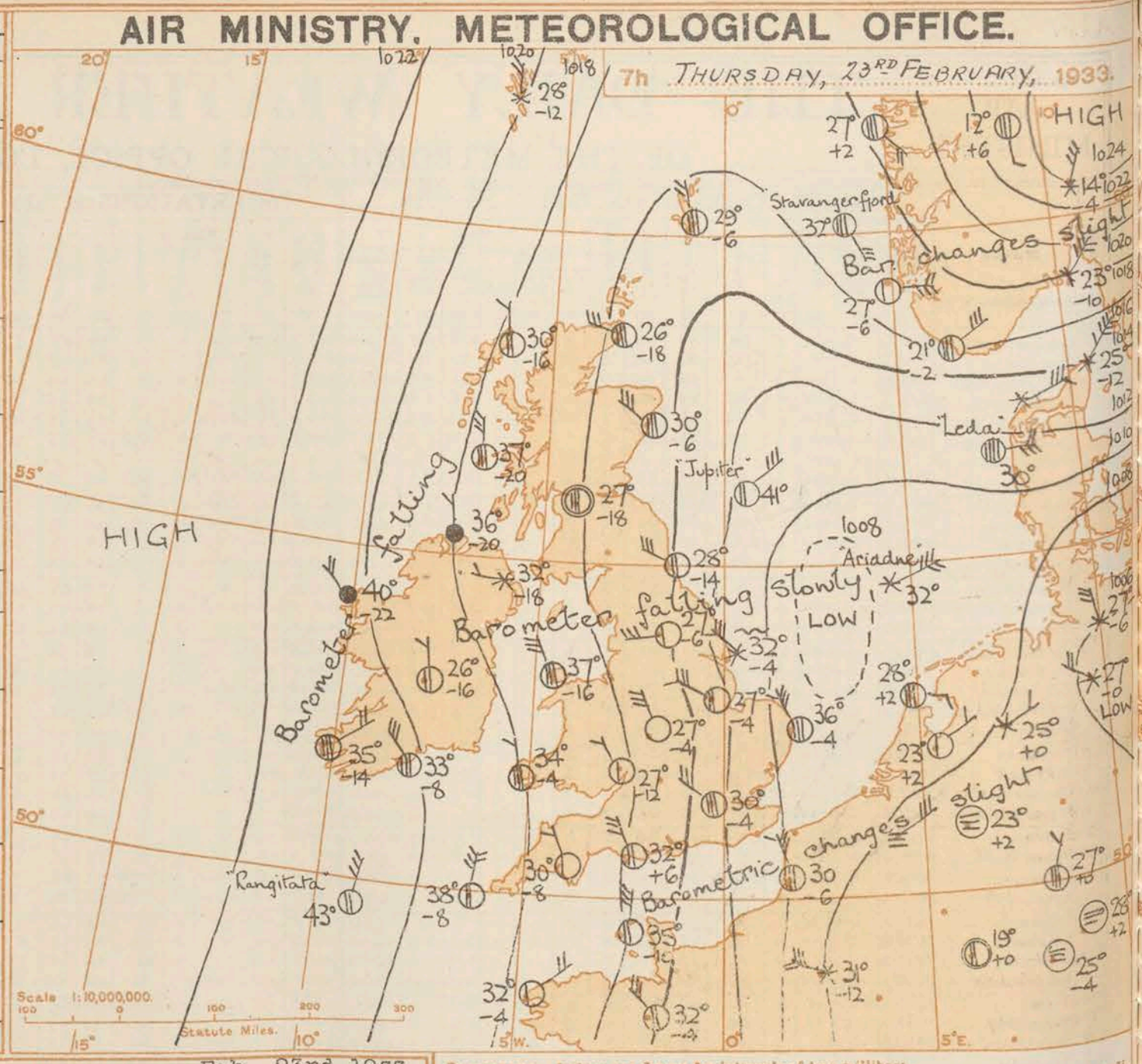
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

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.*

REPORTS from HEALTH RESORTS for 22nd February 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 21st to 9h. 22nd	Temperature. Max. 9h.—17h. 22nd	Rainfall. Night. 17h. 21st to 9h. 22nd	Rainfall. Day. 9h.—17h. 22nd	Sunshine. Sunrise to 17h. 22nd	Sunshine. Sunrise to Sunset. 21st
1	Tunbridge W.	bbc	opsc	29	41	1	0·3	4.2	6·9
	Bournemouth	b	b	30	42	–	–	8·9	2·0
	Ventnor ...	rsxbz	bz	30	40	Trace	–	8·2	4·4
	Southsea ...	b	bcb	32	41	0·2	–	8·2	3.0
	Bognor Regis	b	bpsb	32	41	Trace	Trace	8·3	3·1
	Littlehampton	bbc	bc	31	42	Trace	–	8·2	3.7
	Worthing ...	b	bbc	30	41	Trace	–	7.5	2·9
	Brighton ...	bbc	bcpsbc	29	40	1	Trace	6·2	4·1
	Eastbourne†	bbc	bccsdb	29	40	2	Trace	5.7	5·8
	Hastings† ...	bbcc	copsclr	30	38	2	0·2	6·3	5·1
	Folkestone ...	sb	bbcs	28	37	2	Trace	6·8	5·5
	Dover... ...	bpsc	cb	28	38	6	Trace	7·2	5·6
	Deal	b	os	29	38	5	Trace	3·2	5·2
	Ramsgate ...	bcmps	bc	31	39	2	Trace	4·1	5·9
	Margate ...	bc	csbc	32	38	1	Trace	3.5	5·9
2	Southend ...	bccs	cbc	28	38	7	Trace	4·4	5·3
	Maldon ...	sbcis	bcisc	27	38	4	0·3	3.7	4·6
	Clacton-on-Sea	csbccps	cbc	29	37	1	1	3·3	7·2
	Dovercourt ...	sbu	psbc	31	38	4	Trace	3·9	7·3
	Lowestoft ...	osh	cbc	28	39	5	2	3·2	6·2
	Skegness ...	sobc	bcom	30	40	0·3	4	3·5	6·7
	Mablethorpe	cis	cis	27	39	4	1	3·5	7·3
	Cleethorpes...	ois	cis	29	39	5	2	3·7	6.5
3	Leamington S.	bbc	b	29	40	0.4	–	6·8	5·8
4	Cheltenham†	bmb	bbcm	26	39	0.3	–	6·8	2·3
5	Bath	b	b	30	42	Trace	–	9·1	2·9
	Weymouth ...	by	by	32	44	–	–	9.4	3·8
	Jersey ...	pcbc	bc	37	43	1	–	8·5	1·3
	Torquay ...	spbbc	bqy	32	43	0·3	–	8·5	4.0
	Penzance ...	hsbs	bc	34	42	3	1	3·3	5.0
	St. Ives ...	ihpco	ocfbc	35	43	2	1	2·1	3.9
	Bude	bcprh	bcprh	35	41	1	1	5·6	3.0
	Ilfracombe ...	bcb	b	35	42	1	–	7·1	4·5
6	Aberystwyth	bcpsh	bcbbc	32	42	2	0.5	8·0	2·5
7	Llandudno ...	hobcb	bbc	35	40	0·2	Trace	7·5	2·3
	Colwyn Bay...	bcb	bcb	34	41	0·3	–	6·3	1·4
	Rhyl	b	b	36	40	–	–	8·5	2·8
8	Wallasey ...	b	bbcb	35	45	–	–	8·6	6·9
	Southport‖ ...	b	bcb	33	40	–	–	9·1	8·4
	Blackpool ...	bcb	bbc	34	40	–	–	8·8	8·8
	Morecambe ...	cbc	b	30	39	–	–	8·8	7·7
9	Ilkley... ...	b	b	28	38	–	–	7·2	6·3
10	Berwick-on-T.	bc	bc	33	37	Trace	–	6·7	4·2
11	Dunbar ...	bcps	bc	32	37	Trace	–	5·7	3·3
12	Troon... ...	xbcvc	bcbc	32	40	–	–	8·9	7·5
	Douglas ...	xbc	bc	33	40	0·3	–	8·8	6·1

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



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Feb. 23rd, 1933.
1. S.E. England 2. E. England...	Wind north or northeast, fresh; variable cloud; intermittent snow, chiefly near East Coast and in Kent; cold; night frost.
3. E. Midlands	Wind between northwest and northeast, moderate or fresh; variable cloud; snow showers; cold; night frost.
4. W. Midlands 5. S.W. England 6. South Wales	Wind northerly, moderate or fresh, veering later; bright intervals; local snow showers; cold; night frost.
7. North Wales 8. N.W. England	Wind between northwest and northeast, light to fresh; variable cloud; snow or sleet showers; cold; night frost.
9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind northerly, veering northeast or east, moderate or fresh; variable cloud; intermittent snow; a chance of local thunder; cold; night frost.
12. S.W. Scotland & Isle of Man	As 7 - 8.
13. {A. W. Scotld. B. N.W. Scotland.	Wind northerly, veering, light to fresh; variable cloud; occasional snow; cold; night frost.
14. Mid-Scotland 15 N.E. Scotland 16. Orkneys and Shetlands	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind northerly, light or moderate, fresh locally; variable cloud; showers of snow, sleet or rain; cold; local night frost.

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

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 5/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

Pressure is high over East Greenland, North Scandinavia and west of Ireland, and low over the Mediterranean. Comparatively small disturbances are moving west towards Britain. Winds will be mainly northerly and weather wintry. Snow will fall intermittently in eastern counties, while showers of snow or sleet are probable elsewhere.

FURTHER OUTLOOK.

Wintry weather continuing, with occasional snow in the East.

Forecasts issued at 1010 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

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

Morning of Thursday 23rd February 1933.

HIGH

LOW

HIGH

HIGH

LOW

HIGH

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 the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 23rd February 1933.

No. 26026

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

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	-6	NW'N	3	bc	31	75	6	7	-	-	2·3	2·3	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1015·5	-2	NNW	5	b	32	65	7	-	-	-	0	0	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1010.9	-12	NNW	6	b	30	85	6	5	-	-	Tr.	Tr.	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1009.3	-2	N'W	6	ph(r)	35	95	7	9	-	-	9	9	1500
	Cranwell ...	240	1014.6	-4	NW	4	bc|ps	28	95	7	5	-	-	4·6	4·6	1500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1016.4	-4	N	4	b	32	85	8	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1020.1	0	N'W	2	bc	34	75	8	8	-	-	4·6	4·6	2500
	Scilly (St. Mary's)	163	1020.9	-2	(NW) NE	4	bc|prs	38	75	8	8	-	-	4·6	4·6	2500
	Guernsey ...	175	1017·3	-2	N'E	3	bc	37	65	7	8	-	-	4·6	4·6	2500
6	Pembroke ...	142	1013.6	-2	N	2	bc	33	85	8	5	-	-	2·3	2·3	4000
7	Holyhead ...	23	1019.8	-10	N'E	5	b	37	65	8	4	-	-	1	1	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1012·2	-4	N	5	q	33	95	7	3	2	-	4·6	7·8	800
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ..	67	1016·2	-14	NW	4	c|ps	30	95	7	9	-	-	7·8	7·8	1500
11	Inchkeith ...	190	1019.9	-8	NW	3	b	32	65	8	5	-	-	1	1	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1021·3	-16	(NE) E	(0)	bc	33	85	7	8	7	-	2·3	4·6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1018·3	-10	N	3	bc|ps	31	95	8	9	1	-	4·6	4·6	1500
16	Lerwick ...	54	1016·6	-2	N	2	bc	32	75	7	8	-	-	4·6	4·6	1500
17	Blacksod Point	18	1024·1	-6	-	0	c	39	95	8	8	-	-	9	9	450
18	Malin Head ...	52	1021·8	-16	N	2	c	38	95	8	8	-	-	9	9	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1026·2	-10	N'W	2	c	37	95	8	5	-	-	7·8	7·8	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
1012·8	-6	NNE	3	bc	28	85	5	5	-	-	2·3	2·3	2500	4	*
1012·6	-4	NNE	3	c	30	75	6	5	2	-	7·8	9+	1500	4	*
1013·4	-6	NNE	3	b	27	85	6	5	-	-	Tr.	Tr.	4000	4	*
1014·0	-4	NNE	4	b	27	85	7	-	-	-	0	0	-	4	*
1015·0	-6	NNE	3	b	25	85	6	7	-	-	Tr.	Tr.	5700	4	*
1013·9	-8	NNE	5	b	29	75	6	7	5	-	0	Tr.	-	0	2
*	*	NNE	3	c	*	*	7	4	-	*	9	9	800	*	2
1010·0	+4	N'E	5	ps	29	95	6	5	-	-	10	10	800	7	*
1010·5	0	NNE	4	c	30	95	7	5	2	-	7·8	10	1500	6	*
1009·6	0	NNE	3	s.s.	31	95	7	6	-	-	10	10	800	8	1
1009·1	-4	NNE	4	c	36	95	6	9	-	-	9	9	~~4000~~ 1500	1	3
1013·2	-4	NE	4	bc	27	85	8	5	-	-	4·6	4·6	2500	6	*
1015·2	-4	NNE	3	b	27	75	6	-	-	-	0	0	-	4	*
1014·5	-6	NNE	4	b	26	85	6	-	4	-	0	Tr.	-	4	*
1015·7	-12	NNE	1	b	27	85	7	-	1	-	0	Tr.	-	4	*
1015·0	+6	N	3	bc	32	85	8	5	-	-	2·3	2·3	1500	0	2
1017·5	-8	NNE	1	b	30	75	8	-	-	1	0	1	-	4	0
1018·0	-16	NNE	2	bc	33	85	8	8	-	-	4·6	4·6	4000	4	2
1018·3	-8	NE	5	bc	38	65	8	8	-	-	4·6	4·6	4000	0	3
1016·0	-10	NE	3	bc	35	75	7	8	-	-	4·6	4·6	1500	0	3
1018·3	-4	N	1	c	34	65	7	5	-	-	7·8	7·8	2500	6	1
1016·9	-16	NNE	3	c	37	75	9	2	-	1	7·8	7·8	4000	1	2
1016·1	-16	NNE	2	bc	25	95	6	5	-	-	2·3	2·3	2500	4	*
1015·5	-8	N	2	bc	31	75	8	7	-	8	2·3	4·6	2500	4	*
1014·1	-6	W	3	b	27	85	9	4	-	-	Tr.	Tr.	4000	4	*
1010·8	-4	NNE	5	ss	32	95	5	6	2	-	7·8	9+	800	7	4
1013·8	-18	NNE	4	bc	29	75	7	3	-	-	4·6	4·6	2500	8	*
1013·5	-14	NNE	3	bc	28	95	6	2	-	-	4·6	4·6	2500	8	3
1015·5	-12	NNE	2	c	32	55	8	8	4	-	4·6	7·8	2500	4	2
1015·9	-18	NE	3	c	29	75	8	3	7	-	Tr.	7·8	2500	4	*
1016·8	-18	-	0	c	27	95	7	9	-	-	0	9	-	4	*
1015·7	-14	S	2	b	26	65	9	4	-	1	Tr.	1	2500	4	*
1017·5	-20	NNE	3	c	37	65	8	8	2	-	9	10	1500	0	3
1017·5	-16	NNE	1	bc	36	95	7	8	7	-	4·6	4·6	1500	8	0
1016·9	-18	NNE	2	bc	22	95	8	9	4	-	4·6	4·6	2500	9	*
1015·0	-6	NNE	3	c|ps	30	95	8	8	3	-	7·8	7·8	2500	8	2
1015·1	-18	NNE	3	c	26	95	8	8	1	8	2·3	7·8	1500	8	3
1014·5	-6	N'E	2	c	29	85	8	8	1	-	4·6	7·8	1500	8	*
1020·1	-22	NW	2	c	40	95	7	8	-	-	9	9	450	1	3
1017·5	-20	NNE	1	pr	36	95	7	8	2	-	9	9+	800	1	1
1018·2	-18	W'N	1	s.s.	32	95	5	5	-	-	10	10	220	8	*
1017·4	-20	WNW	2	prs	33	95	7	5	-	-	4·6	4·6	1500	6	1
1019·9	-16	N	1	bc	26	95	8	5	-	-	4·6	4·6	2500	4	*
1021·1	-14	NE'E	2	c	35	95	8	5	2	-	7·8	10	4000	0	*
1020·4	-8	NW	3	c	33	95	8	5	-	-	7·8	7·8	2500	0	3

PAST 24 HOURS.

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 22nd Hrs. (36)
40	28	23	Tr.	-	5·0
38	29	28	Tr.	-	3·0
40	27	22	Tr.	-	5·2
39	27	21	Tr.	-	6·9
39	25	22	-	-	8·2
40	28	24	Tr.	-	7·5
36	28	*	2	Tr.	*
35	29	27	Tr.	0·2	5·9
37	29	28	0·2	Tr.	4·0
37	30	27	0·2	1	3·9
41	29	29	3	1	4·0
37	26	24	Tr.	0·1	7·3
37	26	22	-	-	6·5
38	26	22	Tr.	-	*
40	25	14	-	-	8·5
42	30	*	-	-	*
42	29	24	Tr.	-	8·5
41	33	*	3	Tr.	*
43	35	*	Tr.	0·2	7·9
42	35	29	-	-	8·4
37	32	*	9	0·6	0·8
40	37	32	0·5	-	7·2
40	23	13	-	-	8·5
39	30	24	-	-	8·2
37	27	21	-	-	5·7
39	36	*	6	8	5·5
37	28	*	0·1	0·5	6·9
38	27	25	2	3	*
38	31	26	-	-	6·7
39	27	19	Tr.	-	8·0
40	24	14	-	-	7·1
36	24	17	-	-	8·3
41	34	28	Tr.	0·1	7·1
38	29	*	1	0·1	6·1
31	18	6	-	-	5·8
37	28	23	2	-	6·5
37	25	*	1	Tr.	4·2
33	27	*	Tr.	Tr.	*
43	35	*	Tr.	0·2	5·3
41	35	*	Tr.	Tr.	9·3
39	27	18	-	0·2	*
41	33	*	-	0·1	*
42	25	16	Tr.	-	7·0
45	35	32	Tr.	-	3·6
43	33	*	-	-	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h-18h.

	Height above M.S.L. in feet.	Weather Morning. (24 hrs, ended 9h.)	Weather Afternoon. (24 hrs, ended 9h.)	Weather Night. (24 hrs, ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day. mm.	Rainfall Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity 15h. G.M.T. % (Yesterday.)	Humidity 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew	18	b, cps.	c3. b3.	b3. b m.	40	28	23	Tr.	-	5·0	*	*	6
Croydon	217	bm. cs.	c3. 3. bcy	bcb3. bcm.	38	29	28	Tr.	-	3·0	*	*	4
Greenwich (Royal Observatory) ..	149	bcs.	s. cbc	bc	39	29	25	Tr.	-	2·6	59	87	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	3·1	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	41	29	25	-	-	4·3	59	71	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	39	29	25	-	-	4·6	64	88	*
Camden Square	110	bccs	csc	*	40	28	25	Tr.	-	*	*	84	*
Kensington	80	bbcs	bc	*	40	29	24	Tr.	-	4·6	At 18h.	77	*
Hampstead Observatory	450	bcf	bc	*	37	26	19	Tr.	-	5·7	70	94	*

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 22nd Feb. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 23rd Feb. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1010·2	NW	4	jp	34	1017·4	WNW	5	s.s.	32
Brussels	1008·0	WSW	1	bc	30	1007·8	NE	3	f	39
Berlin	1007·5	N	3	s.s.	21	1004·8	SW	1	s.s.	19
Zürich	1006·0	ESE	1	s.s.	27	1006·5	-	0	m	21
Rome	9947	WSW	2	bc	45	997·0			cd.	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	18h. 19h. 22nd	Nil	2h-6h 23rd

Kew Observatory. Max.	Time.	Min.	Time.
0·2	12h 22nd	0·1	4h 23rd

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
37	27	1	2
39	18	-	-
23	18	1	0·3
32	21	0·1	2
52	36	-	10

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.

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.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 24rd February 1933.

No. 26027

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

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)...	1010.9	-10	N	3	c	37	55	6	8	-	-	7-8	7-8	2500
	Croydon ...	1011.1	-10	NW'N	3	bc	37	65	5	2	-	-	4-6	4-6	4000
	S. Farnborough	1011.0	-14	NW'N	4	bc	39	45	7	2	-	-	4-6	4-6	4000
	Winchester ...	1011.4	-18	NNW	4	bc	37	65	8	1	-	-	4-6	4-6	5700
	Boscombe Down	1012.4	-12	NNW	3	bc	36	55	7	1	-	1	1	2-3	4000
	Calshot, S'thmtn	1011.9	-14	NW'W	4	b	38	55	7	1	5	-	1	1	4000
	Dungeness ...	*	*	NNW	3	c	*	*	7	4	9	*	2-3	7-8	1500
	Lympne ...	1009.9	-4	NNW	4	bc	34	65	6	-	-	1	0	4-6	-
2	Shoeburyness	1009.9	-4	NNW	4	bc	37	75	7	7	-	-	2-3	2-3	2500
	Felixstowe ...	1009.4	-4	NW	4	c	36	75	8	5	3	1	4-6	7-8	2500
	Gorleston ...	1008.9	+2	NE'N	2	c	36	85	6	9	-	-	7-8	7-8	2500
	Cranwell ...	1010.1	-18	NW'W	4	bc	35	75	7	1	-	6	2-3	4-6	2500
3	Birmingham ...	1011.9	-18	NW	4	bc	36	55	5	1	-	-	4-6	4-6	2500
	Upper Heyford	1011.6	-18	NNW	4	bc	36	55	6	1	-	9	2-3	4-6	2500
4	Ross-on-Wye ...	1012.3	-16	NW'N	3	bc	38	45	8	1	-	4	2-3	4-6	4000
5	Portland Bill...	1012.5	-10	WNW	3	bc	40	75	8	1	-	-	2-3	2-3	2500
	Plymouth ...	1014.5	-18	NNW	3	c	39	55	8	8	-	8	7-8	9	2500
	The Lizard ...	1015.2	-12	NNW	2	c	40	75	8	8	1	-	4-6	7-8	2500
	Scilly(St.Mary's)	1016.6	-12	N	4	c	42	65	8	2	-	7	4-6	10	4000
	Guernsey ...	1014.1	-12	NNW	2	bc	40	55	8	1	1	-	2-3	2-3	2500
6	Pembroke ...	1013.6	-16	N	2	c	39	65	8	1	7	-	2-3	9+	4000
7	Holyhead ...	1013.4	-20	N'E	3	ps	35	95	4	9	-	-	10	10	2500
	Chester (Sealand)	1012.5	-22	NW'W	4	bc	37	65	8	8	-	6	2-3	2-3	4000
8	L'pool (Bidston)	1012.0	-14	NW'N	4	b	35	55	9	1	-	1	Tr	Tr	2500
9	Harrogate ...	1010.7	-14	NNE	3	c	37	75	8	2	7	2	1	7-8	4000
10	Spurn Head ...	1008.5	-8	NW	6	ps	34	95	6	3	2	-	7-8	9+	800
	Catterick ...	1010.5	-22	NW'N	4	c	37	75	8	4	6	-	4-6	7-8	2500
	Tynemouth ...	1010.8	-10	NW	3	c	32	95	7	6	-	-	9	9	4000
11	Inchkeith ...	1013.1	-16	NNE	3	bc	35	55	8	7	-	-	4-6	4-6	4000
	Leuchars ...	1013.0	-16	N	3	bc	38	55	8	2	6	1	2-3	2-3	4000
12	Renfrew ...	1013.1	-20	NE	1	bc	39	45	5	1	-	-	2-3	2-3	4000
	Eskdalemuir ...	1012.1	-18	NNE	3	c	32	55	9	7	-	-	7-8	7-8	4000
13A	Tiree	1013.8	-26	NE'N	3	bc	36	75	9	8	-	8	4-6	4-6	1500
13B	Stornoway ...	1014.5	-20	N	1	c	33	95	8	9	7	-	7-8	9	1500
15	Dalwhinnie ...	.	-12	NE	2	bc	29	95	8	4	4	-	2-3	4-6	4000
	Aberdeen ...	1012.2	-12	NW	3	ps	32	95	6	3	-	-	7-8	7-8	1500
	Wick	1013.3	-14	NW	3	bc	34	75	8	8	8	8	4-6	4-6	2500
16	Lerwick ...	1013.0	-6	-	0	c	34	85	8	8	-	-	7-8	7-8	1500
17	Blacksod Point	1013.3	-28	NW	2	iR	41	95	8	8	-	-	9	9	220
18	Malin Head ...	1012.8	-24	E	1	s	34	95	5	8	2	-	9	10	800
	Aldergrove ...	1013.1	-26	W	1	$s_o s_o$	34	95	6	5	2	-	7-8	10	450
	Donaghadee ...	1013.6	-16	WNW	1	c	36	95	8	9	-	-	7-8	7-8	1500
19	Birr Castle ...	1014.1	-36	WNW	1	$r_o r_o$	38	95	7	6	2	-	4-6	10	2500
20	Valentia Obsy.	1016.0	-34	W'S	3	cjp	43	75	8	5	2	-	9	10	1500
	Roches Point...	1016.0	-22	NW	3	c	40	75	8	5	-	-	9	9	2500

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

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. (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)...	1009.2	-8	NW	2	b	35	65	5	-	-	-	0	0	-	0	*
	Croydon ...	1009.7	-4	W'N	2	bc	34	75	4	7	-	-	2-3	2-3	4000	1	*
	S. Farnborough	1009.7	-2	WNW	1	b	33	55	6	1	4	1	Tr	Tr	4000	1	*
	Winchester ...	1010.0	0	NW	2	bc	29	75	7	4	-	-	2-3	2-3	4000	1	*
	Boscombe Down	1010.0	-6	NW	1	b	33	65	6	5	-	-	1	1	4000	1	*
	Calshot, S'thmtn	1010.2	-4	W'N	2	bc	33	55	6	8	4	-	1	2-3	4000	0	1
	Dungeness ...	*	*	NNW	2	bc	*	*	7	4	-	*	4-6	4-6	1500	*	2
	Lympne ...	1009.3	42	NNW	3	b	31	75	6	1	-	-	1	1	2500	6	*
2	Shoeburyness	1009.0	-4	NW	3	c	31	85	7	8	1	-	4-6	9	2500	4000 6	*
	Felixstowe ...	1008.8	-2	NNW	2	bc	31	85	8	3	-	4	2-3	4-6	2500	1	0
	Gorleston ...	1008.1	-2	WNW	1 1	c	33	95	5	9	-	-	9+	9+	1500	6	2
	Cranwell ...	1007.8	-10	NW'W	3	ps	33	85	7	8	2	-	7-8	10	2500	6	*
3	Birmingham ...	1009.3	-6	NW	2	b	34	55	5	-	3	-	0	1	-	0	*
	Upper Heyford	1009.7	-10	WNW	2	b	32	65	6	1	-	1	1	1	2500	1	*
4	Ross-on-Wye ...	1009.6	-10	WSW	1	bc	34	65	8	4	-	8	1	2-3	4000	1	*
5	Portland Bill...	1010.1	-16	NW	3	bc	39	65	8	4	-	-	4-6	4-6	1500	0	2
	Plymouth ...	1011.3	-14	N'W	3	cjp	38	65	8	8	-	9	7-8	7-8	2500	0	1
	The Lizard ...	1012.2	-10	N'W	2	c	35	75	8	4	4	8	2-3	10	4000	0	2
	Scilly(St.Mary's)	1012.1	-20	NNW	3	c	39	75	8	5	4	-	4-6	7-8	2500	0	2
	Guernsey ...	1012.0	-10	-	0	bc	37	65	7	8	-	-	4-6	4-6	2500	0	3
6	Pembroke ...	1009.3	-22	WSW	1	$r_o r_o$	35	55	5	6	2	-	7-8	10	800	6	1
7	Holyhead ...	1009.9	-22	S'W	1	cjp	34	95	8	4	2	-	1	9+	1500	1	0
	Chester (Sealand)	1009.4	-14	NNW	2	bc	29 3	85	6	5	-	-	2-3	2-3	4000	6	*
8	L'pool (Bidston)	1009.3	-16	NW'N	2	b	35 3	65	8	5	-	-	1	1	2500	0	*
9	Harrogate ...	1008.4	-6	NNW	2	ss	30	95	4	6	-	-	10	10	<150	8	*
10	Spurn Head ...	1005.1	-4	W'N	4	ps	33	95	5	3	2	-	7-8	9+	800	6	3
	Catterick ...	1008.7	-6	N'W	3	$s_o s_o$	30	95	5	6	-	-	10	10	1500	7	*
	Tynemouth ...	1009.3	-6	NE	3	o|ps	33	95	6	6	-	-	10	10	1500	7	3
11	Inchkeith ...	1010.8	-10	NE	1	c	34	75	8	8	4	-	4-6	7-8	2500	0	1
	Leuchars ...	1011.3	-6	NNE	1	bc	31	75	8	8	6	-	2-3	2-3	2500	1	*
12	Renfrew ...	1010.4	-10	ENE	1	c	32	65	5	4	-	-	7-8	7-8	5700	4	*
	Eskdalemuir ...	1011.3	-10	NNW	2	b	26	65	8	4	-	-	1	1	4000	4	*
13A	Tiree	1010.7	-16	ENE	4	bc	33	75	9	4	-	3	2-3	2-3	1500	6	3
13B	Stornoway ...	1012.2	-6	-	0	c	30	95	8	8	6	-	4-6	7-8	1500	8	0
15	Dalwhinnie ...	1011.6	-2	N	1	c	26	95	8	4	2	-	7-8	9	1500	9	*
	Aberdeen ...	1011.0	-4	NW'W	2	cjp	29	85	7	9	-	-	7-8	7-8	800	8	2
	Wick	1010.7	-12	NNE	3	c	36	75	8	8	1	8	4-6	7-8	1500	6	2
16	Lerwick ...	1012.9	+2	ESE	4	c|ps	33	85	7	8	-	-	9+	9+	1500	7	*
17	Blacksod Point	1006.5	-40	SE	4	$s_o s_o$	35	95	7	6	-	-	10	10	450	2	3
18	Malin Head ...	1008.7	-20	E	3	is	33	95	8	9	7	-	7-8	9	800	3	1
	Aldergrove ...	1009.1	-22	-	0	c	31	95	8	5	2	8	4-6	9+	1500	1	*
	Donaghadee ...	1009.0	-16	WNW	1	c	33	95	8	5	-	-	7-8	7-8	1500	2	0
19	Birr Castle ...	1006.7	-44	S	1	s	36	95	8	6	-	-	10	10	2500	1	*
20	Valentia Obsy.	1008.4	-48	W'S	3	pr_o	43	85	8	5	-	-	10	10	800	1	3
	Roches Point...	1008.7	-42	NW	3	c	40	95	8	6	-	-	9	9	1500	1	3

PAST 24 HOURS.

District	Stations.	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)...	bmcm$_o$	cbz$_o$	bm$_o$x	bzm$_o$x
	Croydon ...	cm$_o$bcz$_o$	bccbczy	bcz$_o$bmx	bxcz$_o$
	S. Farnborough	bm$_o$xbbcy	bcyb	bz$_o$bm$_o$x	bcxcs$_o$
	Winchester ...	bbc	bcybc	bx	s$_o$s$_o$
	Boscombe Down	bm$_o$bbc	bcbz$_o$	b	bcosscc
	Calshot, S'thmtn	bm$_o$by	bbcy	by bx	bxccrq
	Dungeness ...	c	c	*	bc
	Lympne ...	ssjobcm$_o$	cbcybz$_o$	bm$_o$x	bcm$_o$x
2	Shoeburyness	cb	bcc	cbm$_o$x	cm$_o$
	Felixstowe ...	osscbc	bc	bcx	bcx
	Gorleston ...	cbcps	coism$_o$	cpsbc	bcox
	Cranwell ...	bcbbc	bcc	cpscbm$_o$	bcc
3	Birmingham ...	bbc	bcb	bm	bmc
	Upper Heyford	bbcm$_o$	bcbzoy	bm$_o$	bcm$_o$
4	Ross-on-Wye ...	bbcy	bcy	bm$_o$co	ossq
5	Portland Bill...	bc	tc	bc	cors$_o$
	Plymouth ...	bzbcy	cjp	cjpb	bcorrq
	The Lizard ...	bcps$_o$	cbcc	cpr$_o$	cprqc
	Scilly(St.Mary's)	cbcc	c	cp$_o$cr	crrr
	Guernsey ...	bc	bc	bcos	cocr
6	Pembroke ...	cpsdccv	cpsrryc	cqpmpsc	cqRRpscq
7	Holyhead ...	phqphsc	sismc	com$_o$	cm$_o$o
	Chester (Sealand)	bxbc	by	bm$_o$x	bfccz$_o$
8	L'pool (Bidston)	bcy	byvb	bxm$_o$	com$_o$q
9	Harrogate ...	bbcc	coss	sso	coc
10	Spurn Head ...	sqps	cps	pscbc	bcc
	Catterick ...	bcb	bccs$_o$m$_o$	cs$_o$SSm$_o$	cssm$_o$
	Tynemouth ...	bccis	cops	obc	bcps$_o$
11	Inchkeith ...	cbc	bcc	cpsbc	bcis
	Leuchars ...	cbcby	bybc	bxcPS	cpsPSx
12	Renfrew ...	cxbbczoy	bcz$_o$	bbcxm$_o$	bcxm$_o$
	Eskdalemuir ...	bbccy	cyb	bbcc	cps$_o$bx
13A	Tiree	cPS	bcv	b	bc
13B	Stornoway ...	bccmps	cps$_o$	bcphs	bcps
15	Dalwhinnie ...	bc	bc	*	bc
	Aberdeen ...	ossbps	bcps$_o$bc	cushm$_o$	cs$_o$bc
	Wick	cbc	bcc	PHsq	cps$_o$
16	Lerwick ...	c	cphs$_o$	bccphs	bccphs
17	Blacksod Point	iR	ss	prscq	bcq
18	Malin Head ...	crs$_o$rs	cist	cph	cph$_o$
	Aldergrove ...	os$_o$s$_o$m$_o$	cs$_o$c	bc	bccps$_o$
	Donaghadee ...	bcprsc	cphrc	bc	bcx
19	Birr Castle ...	bccirsrr	$r_o r_o$	orsss	ossx
20	Valentia Obsy.	c	cir$_o$pr$_o$	prr,rs	rsrscs
	Roches Point...	c	cor$_o$r$_o$	coirc	cqpc

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, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—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 $\frac{1}{10}$ 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
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.

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.*

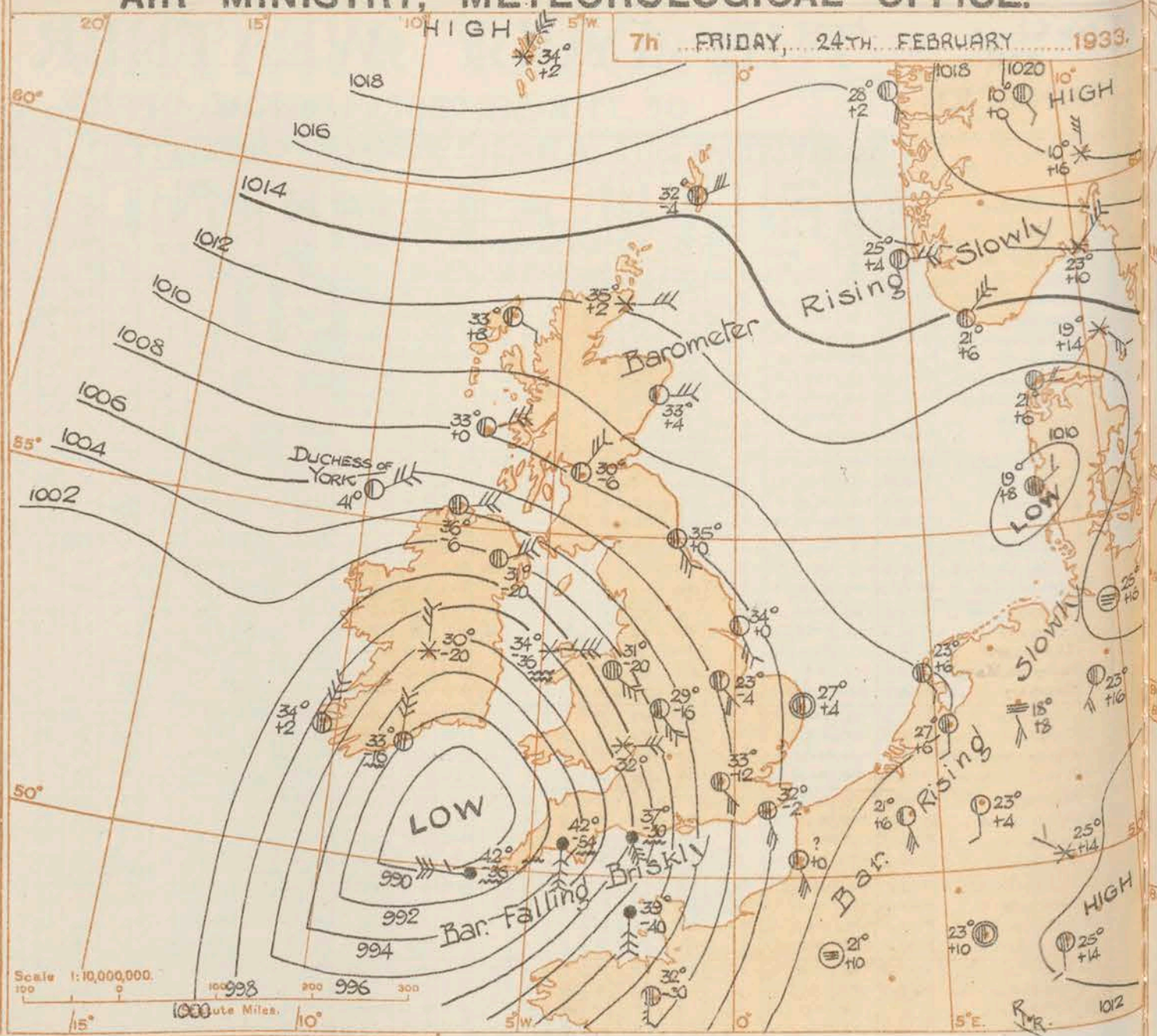
REPORTS from HEALTH RESORTS for 23rd February 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 22nd to 9h. 23rd	Temperature. Max. 9h.—17h. 23rd	Rainfall. Night. 17h. 22nd to 9h. 23rd	Rainfall. Day. 9h.—17h. 23rd	Sunshine. Sunrise to 17h. 23rd	Sunshine. Sunrise to Sunset. 22nd
1	Tunbridge W.	b	bbcc	28	38	-	-	6·5	4·2
	Bournemouth	b	b	28	42	-	-	7·8	8·9
	Ventnor ...	x b3	b	27	41	-	-	8·9	8·2
	Southsea ...	b	b	29	40	-	-	8·9	8·2
	Bognor Regis	b	bbcb	29	40	-	-	8·3	8·3
	Littlehampton	bbc	bc	?	42	-	-	8·5	8·2
	Worthing ...	b	b	29	40	-	-	7·9	7·5
	Brighton ...	bbc	b	29	40	-	-	7·2	6·2
	Eastbourne†	b	b	30	40	-	-	7·2	5·7
	Hastings† ...	bbcb	bccoc	30	40	-	-	4·1	6·3
	Folkestone ...	osmc	bc	30	37	1	0.4	3.6	6·8
	Dover... ...	soc	cb	31	38	2	Trace	4·2	7·2
	Deal	so	cb	31	38	1	0·3	2·3	3·2
	Ramsgate ...	cbc	bcb	31	38	1	-	4·8	4·1
	Margate ...	cs.bc	bc	32	37	Trace	-	4·5	3·5
2	Southend ...	bc	bcm	30	40	Trace	-	5.4	4·4
	Maldon ...	b	b	30	38	Trace	-	7·2	3.7
	Clacton-on-Sea	cbc	bc	30	37	0.1	-	6.7	3·3
	Dovercourt ...	s bc	bc	30	38	1	-	6·8	3·9
	Lowestoft ...	cps	cps	32	37	2	1	0.6	3·2
	Skegness ...	b	bcom.	26	37	Trace	-	5·2	3·5
	Mablethorpe	c	cs.m.	27	35	3	Trace	4·5	3.5
	Cleethorpes ...	cfis	cois	28	34	5	0.4	2·2	3·7
3	Leamington S.	b	b	27	39	-	-	7·8	6·8
4	Cheltenham†	mx b	bbcm	24	38	-	-	8·9	6·8
5	Bath	b	bbc	29	42	-	-	8·6	9·1
	Weymouth ...	by	by	29	43	-	-	9·6	9·4
	Jersey ...	bc	b	36	42	-	-	9·0	8·5
	Torquay ...	bbc	b	27	43	-	-	7·9	8·6
	Penzance ...	shcbc	hbc	34	44	3	0.5	3.7	3·3
	St. Ives ...	rscbc	b	34	41	1	Trace	3.4	2·1
	Bude	pshbc	bcpsh	23	41	-	Trace	5·5	5·6
	Ilfracombe ...	bcb	bbcdc	35	42	-	0.1	6·0	7·1
6	Aberystwyth	bcbx	cors	25	37	-	Trace	3.7	8·2
7	Llandudno ...	bc	bcc	33	40	-	-	5.7	7.5
	Colwyn Bay...	bcc	bcb	34	38	-	-	6·0	6·3
	Rhyl	cbcb	b	34	40	-	-	7.5	8·5
8	Wallasey ...	b	b	27	38	-	-	8·5	8·6
	Southport‖ ...	bbc	b	27	40	-	-	8·8	9·1
	Blackpool ...	bcc	bcc	29	39	-	-	7·6	8·8
	Morecambe ...	b	b	27	39	-	-	8·9	8·8
9	Ilkley... ...	b	bcops	25	40	-	Trace	6·2	7·2
10	Berwick-on-T.	bcph	ph bc	32	36	-	2	2·2	6·7
11	Dunbar ...	bc	bc	29	36	-	-	2·2	5.7
12	Troon... ...	x bc	bcc	30	40	-	-	6·1	8·9
	Douglas ...	x bcc b	cb bcx	28	33	-	-	5·7	8·8

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h FRIDAY, 24TH FEBRUARY 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 24th Feb. 1933.
1. S.E. England ▼	Fresh or strong southeasterly wind becoming northerly; dull, some rain, sleet or snow; cold.
2. E. England...	
3. E. Midlands	Fresh or strong southeast wind backing; cloudy or dull, some snow; cold.
4. W. Midlands	
5. S.W. England ▼	Wind becoming northerly, fresh or strong; dull, some rain, sleet or snow, bright intervals later; cold.
6. South Wales ▼	Wind north or northeast, fresh or strong; dull, some snow at first, bright intervals later; cold.
7. North Wales ▲	
8. N.W. England	Fresh or strong east to northeast wind; dull, some snow at first, bright intervals later; cold.
9. N. Midlands	
10. N.E. England	Fresh east to northeast wind; strong locally; cloudy or variable sky, occasional snow; cold.
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	
13. A. W. Scotld. B. N.W. Scotland.	Moderate or fresh east to northeast wind; variable sky, occasional snow; cold.
14. Mid-Scotland	
15. N.E. Scotland	
16. Orkneys and Shetlands.	
17. N.W. Ireland	Moderate or fresh northeasterly wind; variable sky,
18. N.E. Ireland	occasional snow; cold.
19. S.E. Ireland ▲	
20. S.W. Ireland	

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

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 6/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A deepening depression centred off the Mouth of the Bristol Channel is likely to move southeast and then east. Cold wintry weather will continue with snow in many districts especially in the Southern half of Great Britain.

FURTHER OUTLOOK.

Wintry weather continuing.

Times of Issue of Gale Warnings.

▼ South cone 0235 24th in Dists. 5 & 6
0835 24th in Dist 1.
▲ North Cone 0840 24th In Dists 7 & 19.

Forecasts issued at 1025 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

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

Morning of
FRIDAY
24th February
1933.

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 the wind. Number of feathers indicate Beaufort Force.
⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 24th February 1933.

No. 26027

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

Dist.	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 (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	1008.7	-6	SSE	2	b	25	85	4	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1006.6	-16	SE	3	bc	35	86	7	-	-	5	0	2·3	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1009.5	0	SW	1	b	25	95	5	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1008.4	+2	W	2	bc	33	95	6	8	-	-	4·6	4·6	2500
	Cranwell ...	240	1007.2	0	SE	1	bc	24	95	6	5	-	-	2·3	2·3	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1006·0	-16	S	3	bc	39	85	8	4	-	-	4·6	4·6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1003·3	-40	SW	6	c	42	75	8	8	-	-	10	10	2500
	Scilly (St. Mary's)	163	1001·6	-54	WSW	7	r.c.	41	95	6	6	-	-	9+	9+	2500
	Guernsey ...	175	1008·5	-18	-	0	bc	32	85	9	8	-	-	4·6	4·6	2500
6	Pembroke ...	142	1000.6	-44	S	6	RS	36	85	5	6	-	-	10	10	800
7	Holyhead ...	26	1004·1	-28	E	5	0 &	35	75	6	-	2	-	0	10	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1006·9	0	S	3	bc	30	85	7	5	3	-	2·3	4·6	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1008·2	-4	ESE	4	bc	36	95	8	2	-	-	4·6	4·6	2500
11	Inchkeith ...	190	1009.8	-2	NNE	2	ps	31	95	7	6	-	-	9+	9+	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1010.5	-8	-	0	bc/ps	29	95	7	8	7	-	4·6	4·6	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1011·9	+26	SE	5	c/ps	33	95	7	9	2	-	7-8	9	1500
16	Lerwick ...	54	1014.4	0	E'N	3	bc	33	85	7	8	-	-	4·6	4·6	1500
17	Blacksod Point	18	1004.7	0	E	6	q	36	85	7	9	-	-	9	9	220
18	Malin Head ...	52	1006·7	-2	E	4	c	36	95	8	6	-	-	7-8	7-8	800
	Aldergrove ...	298	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	999.0	-26	N'W	6	lr	40	95	7	9	-	-	10	10	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
1005·1	-10	ESE	3	c	32	75	5	8	7	-	2·3	10	2500	4	*
1005·8	-12	ESE	3	c	33	75	5	5	2	-	1	10	1500	4	*
1004·2	-14	ESE	4	c.s.	32	75	6	5	1	-	2·3	10	4000	4	*
1002·7	-20	S'E	4	c	34	95	7	6	2	-	9	10	800	6	*
1000·9	-26	SE'S	5	c	33	95	7	6	2	-	4·6	10	1500	6	*
1002·9	-20	S'E	6	c.r.	36	85	6	5	7	*	4·6	9+	450	1	3
*	*	SSW	4	c	*	*	7/6	8	8	-	-	9+	1500	6	*
1007·9	-2	SSE	3	c	32	85	8	8	-	-	9+	9+	1500	6	*
1007·5	-6	SE	3	c	32	95	6	5	1	-	2·3	10	5700	6	*
1008·3	0	ESE	3	bc	33	85	7	6	-	8	4·6	4·6	4000	4	*
1008·7	+4	-	0	c	27	85	6	8	-	-	7-8	7-8	1500	6	*
1006·2	-4	E'S	2	c	23	95	5	5	-	-	9	9	2500	6	*
1002·5	-16	ESE	5	c	29	75	6	6	2	-	Tr.	10	800	4	*
1003·7	-20	E	2	c	29	75	5	4	2	-	0	10	-	4	*
998·6	-26	E	5	ss	32	95	4	6	-	-	10	10	800	8	*
997.9	-30	S'E	7	RR	37	95	6	7	5	-	10	10	800	2	5
992.3	-54	S	8	c.r.	42	95	7	7	5	2	9	10	450	1	5
992.4	-36	SW	8	r	44	95	7	6	8	-	10	10	2500	1	4
990·8	-36	W	7	c.r.	42	95	6	8	9	-	10	10	1500	1	4
1001·3	-40	S	6	c.r.	39	75	8	6	6	-	10	10	1500	6	3
986·3	-48	SW	3	c/r	41	85	7	6	-	-	9+	9+	800	1	3
997·1	-36	E	7	c.s.	34	85	5	5	-	-	10	10	800	1	4
1000·7	-20	E'S	5	c	31	75	6	5	-	-	10	10	1500	4	*
1000·0	-24	ESE	6	c	31	75	5	5	-	-	10	10	1500	4	*
1006·6	0	ESE	1	c	24	95	5	-	-	7	0	9	-	8	*
1006·6	0	SSE	4	bc	34	95	6	3	2	7	4·6	4·6	1500	8	3
1007·1	0	E	1	bc	24	95	6	5	-	1	2·3	4·6	4000	9	*
1007·6	0	SE	4	c/ps	35	85	8	9	-	-	7-8	7-8	1500	8	3
1009·1	-2	NE	2	c.s.	32	95	8	9	-	-	7-8	7-8	2500	6	2
1010·4	0	ENE	4	sh	34	85	6	3	-	-	7-8	7-8	1500	8	*
1008·6	-6	NE	4	bc	30	95	6	5	-	-	4·6	4·6	4000	4	*
1007·4	+2	NE	3	b	23	85	8	8	-	-	Tr.	Tr.	2500	6	*
1008·5	0	[illegible]	5	bc	33	85	8	4	7	8	1	4·6	1500	4	3
1011·4	+8	ESE	1	bc	33	85	8	8	4	-	4·6	4·6	1500	8	1
1010·3	0	NE	5	bc	24	95	8	8	-	-	2·3	4·6	4000	9	*
1011·5	+4	E	4	bc	33	75	8	3	-	-	4·6	4·6	2500	8	3
1012·2	+2	E	4	ps.	35	85	8	8	1	-	7-8	9	1500	8	3
1014·2	-4	E'N	3	c	32	85	8	8	-	-	7-8	7-8	1500	8	*
1003·0	-12	E	6	q	36	85	7	5	-	-	2·3	2·3	220	4	5
1004·7	-6	E	5	c/ph	36	95	8	4	-	-	9+	9+	800	6	2
1002·2	-20	NE'E	5	c	31	75	7	5	-	-	9	9	1500	4	*
1001·4	-24	ESE	4	bc	35	85	7	5	-	-	4·6	4·6	1500	0	3
995·0	-20	NNW	4	ss	30	95	6	6	-	-	10	10	1500	8	*
997·5	+2	NNE	6	c/ps	34	75	8	9	-	-	9+	9+	1500	6	*
993·4	-16	N	6	c	33	95	8	6	-	-	7-8	7-8	1500	1	5

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 23rd Hrs. (36)
39	24	14	-	-	7·2
38	25	21	-	-	5·8
40	23	11	-	Tr.	8·0
38	22	14	-	0·1	9·4
37	25	14	-	0·3	9·2
39	29	14	-	Tr.	9·7
39	23	*	-	-	*
36	24	12	0.3	-	3·6
39	23	12	-	-	5·5
37	22	10	0.1	-	5·8
37	24	23	2	0·1	0·9
38	21	14	Tr	0·3	6·4
38	26	11	-	-	8·0
38	23	14	-	-	*
39	26	16	-	2	8·2
40	31	*	-	3	*
40	33	29	-	9	6·5
41	35	*	0.1	1	*
43	39	*	-	6	6·4
40	31	23	-	1	9·1
40	35	*	1	43	2·8
39	34	31	2	Tr.	0·6
38	23	14	-	-	8·2
36	29	25	-	-	8·9
37	24	24	3	2	3·9
34	(30)	*	6	Tr.	1·4
(37)	24	21	1	6	4·5
36	32	28	2	0·2	*
39	30		-	0·1	6·9
39	27	20	-	3	7·9
40	25	12	-	-	6·6
34	22	17	-	Tr.	6·4
38	31	27	2	-	3·8
35	27	*	0·4	0·5	4·0
30	11	6	-	-	2·7
33	26	21	4	3	5·0
37	31	*	-	2	*
(34) (36)	29	*	0.2	3	3·4
42	34	*	11	0·4	*
36	29	*	4	Tr.	0·0
34	26	21	1	Tr.	0·0
38	32	*	2	-	*
38	30	17	3	6	0·0
44	32	32	0.2	5	0·3
42	33	*	2	1	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 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	bm3cm3	cb3o	bm3o3x	39	24	14	-	-	7·2	*	*	6
Croydon	217	cm3bc3o	bccbc3,4	bc3,bmsc	38	25	21	-	-	5·8	*	*	6
Greenwich (Royal Observatory) ...	149	b	csb	bf xcs	39	22	16	Tr.	0·3	3·2	50	82	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	4·6	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	40	26	20	-	-	5·5	48	79	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	39	27	14	-	-	6·4	61	90	*
Camden Square	110	b	bcpsb	*	39	26	20	Tr.	Tr.	*	*	83	*
Kensington	80	bbc	bc3	*	39	26	17	-	-	6·9	At 18h.	86	*
Hampstead Observatory	450	oc	bcf	*	39	27	15	0·1	Tr.	7·7	61	98	*

FOREIGN OBSERVATIONS.

18h. G.M.T. 23rd February

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1008·9	N	3	bc	30
Brussels	1008·2	NE	1	0	30
Berlin	1007.7	-	0	c/s	19
Zürich	1007·9	NNW	1	bc	27
Rome	996·5	SE	4		39

7h. G.M.T. 24th February

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1011·1	-	0	f bc	21
1010·4	SSE	3	m	21
1012·7	ESE	1	m	12
1011·4	SSW	1	cf	23
1004·1	SW	2	d. d.	37

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	21h 23rd	Nil	3h-6h 24th

Kew Observatory. Max.	Time.	Min.	Time.
1·2	20h 23rd	0·1	16h 23rd

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
37	16	1	-
34	19	-	-
25	12	Tr.	-
34		0·3	0·3
50	36	3	6

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 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.

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

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

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

*1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 25th February 1933.

No. 26028

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

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)	1001.8	-24	SE	6	is$_o$	36	55	6	5	2	-	7-8	10	4000
	Croydon	1002.9	-20	SE'S	5	is$_o$	36	55	6	5	1	-	2-3	10	2500
	S. Farnborough	1000.0	-26	SE	5	sf	32	95	3	5	-	-	10	10	450
	Winchester	997.3	-34	SE's	6	ss	33	95	5	6	-	-	10	10	450
	Boscombe Down	994.8	-34	SE	8	ss	32	95	3	6	-	-	10	10	220
	Calshot, S'thmtn	997.2	-32	SE	8	RS	36	95	4	6	-	-	10	10	800
	Dungeness	*	*	SSE	7	q	*	*	6	9	-	*	4-6	9+	450
	Lympne	1006.6	-10	SSE	5	c	34	75	7	-	2	-	0	10	-
2	Shoeburyness	1005.7	-14	SE'S	5	c	36	65	7	5	2	-	4-6	10	1500
	Felixstowe	1007.1	-10	SE'E	5	c	36	75	8	5	1	-	4-6	10	1500
	Gorleston	1007.4	-10	SE	6	c	36	75	6	5	-	-	7-8	7-8	2500
	Cranwell	1004.1	-18	E'S	5	c	33	85	6	5	2	-	9	10	4000
3	Birmingham	998.5	-28	ESE	4	ss	29	95	3	6	-	-	10	10	800
	Upper Heyford	999.2	-18	E	5	ss$_o$	30	95	3	6	2	-	9+	10	450
4	Ross-on-Wye	998.1	-10	SE	5	ks	33	95	3	6	-	-	10	10	800
5	Portland Bill	992.0	-24	SW	7	RR	43	95	6	5	-	-	10	10	800
	Plymouth	990.7	+6	SW	6	q	41	75	8	8	7	6	2-3	9	1500
	The Lizard	991.7	+4	W'S	6	c	41	65	7	8	1	-	4-6	9	2500
	Scilly (St. Mary's)	991.1	+4	WNW	6	c	40	85	7	8	-	-	9+	9+	4000
	Guernsey	996.4	-22	S'E	5	o/r	42	95	7	5	-	-	10	10	1500
6	Pembroke	985.1	-6	SW	5	q	39	85	6	5	7	-	4-6	10	1500
7	Holyhead	994.5	-22	E	9	ss	33	95	4	6	2	-	9+	10	450
	Chester (Sealand)	997.5	-26	E'S	7	sf	31	95	3	6	-	-	10	10	800
8	L'pool (Bidston)	997.3	-16	E	7	ss	30	95	3	5	-	-	10	10	450
9	Harrogate	1005.0	-6	ESE	3	c	31	85	6	6	2	-	7-8	10	2500
10	Spurn Head	1006.0	-2	SE'S	6	c	36	85	7	5	2	-	7-8	9+	2500
	Catterick	1006.1	-10	E'N	3	is$_o$	33	85	7	6	2	-	7-8	10	1500
	Tynemouth	1008.1	+6	E	5	c/ps	35	85	7	6	-	-	7-8	7-8	1500
11	Inchkeith	1009.2	-4	E	2	ps	32	95	8	9	-	-	7-8	7-8	2500
	Leuchars	1010.8	0	ENE	4	bcjp	35	65	7	9	6	3	4-6	4-6	800
12	Renfrew	1008.1	+2	NE	5	~~bc~~	33	85	7	2	-	8	4-6	4-6	2500
	Eskdalemuir	1006.2	-10	ENE	6	ps	32	65	7	2	1	8	4-6	9	2500
13A	Tiree	1008.6	-2	ENE	5	b	37	65	9	4	-	8	1	1	2500
13B	Stornoway	1012.5	-2	NE	1	c	34	85	8	8	6	-	4-6	7-8	1500
15	Dalwhinnie	1010.9	+2	NE	5	b	29	95	8	4	-	-	1	1	4000
	Aberdeen	1011.8	0	E	4	bc	36	65	8	8	-	-	4-6	4-6	4000
	Wick	1012.3	0	NE	3	ss	32	95	7	8	1	-	7-8	10	1500
16	Lerwick	1014.8	+4	E	3	c/ps	31	85	7	8	-	-	7-8	7-8	1500
17	Blacksod Point	1001.3	-14	E	7	cq	38	85	8	4	9	-	~~4-6~~	7-8	800
18	Malin Head	1003.6	-10	E	6	c	38	85	7	4	-	-	9+	9+	1500
	Aldergrove	1000.7	-8	ENE	6	c	35	65	7	8	1	-	7-8	9+	1500
	Donaghadee	1001.1	0	ESE	6	q	37	75	7	9	-	-	7-8	7-8	1500
19	Birr Castle	987.8	-16	N	6	oss	31	95	1	6	-	-	10	10	1500
20	Valentia Obsy.	994.4	-26	N	6	ss	33	95	4	6	-	-	10	10	1500
	Roches Point	985.0	-40	N	6	ss	34	95	6	6	-	-	10	10	450

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

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)	999.4	-4	SE	5	ss$_o$	34	95	5	6	2	-	9+	10	800	7	*
	Croydon	1000.2	-6	SE'E	4	sf	33	95	3	6	-	-	10	10	800	7	*
	S. Farnborough	997.9	-2	SSE	5	rs	34	98	5	6	-	-	10	10	450	7	*
	Winchester	995.8	+6	SSE	6	rr	37	95	6	6	-	-	10	10	450	6	*
	Boscombe Down	994.7	+6	S'E	5	rs	36	95	6	6	-	-	10	10	220	3	*
	Calshot, S'thmtn	995.0	-6	SSE	8	rr	40	85	6	6	-	-	10	10	1500	1	5
	Dungeness	*	*	SSE	7	ss	*	*	4	6	-	*	10	10	800	*	4
	Lympne	1004.2	-14	SE	6	ss$_o$	34	85	5	6	-	-	10	10	800	6	*
2	Shoeburyness	1003.0	-20	SE	7	ss$_o$	33	95	4	6	-	-	10	10	800	6	*
	Felixstowe	1005.3	-8	SE'E	7	c	36	75	6	5	2	-	7-8	10	1500	0	5
	Gorleston	1006.6	-4	ESE	7	c	36	85	6	9	-	-	10	10	2500	0	4
	Cranwell	1001.6	-16	ESE	6	sf	30	95	2	6	-	-	10	10	4150	7	*
3	Birmingham	996.5	-4	SE	4	ss	31	95	3	6	-	-	10	10	450	8	*
	Upper Heyford	997.1	-2	E	5	ss$_o$	32	95	3	6	-	-	10	10	450	8	*
4	Ross-on-Wye	993.6	+4	SE	3	c	35	95	6	6	1	-	2-3	9+	2500	7	*
5	Portland Bill	993.4	+10	SSW	5	rr	41	95	6	5	-	-	10	10	800	2	5
	Plymouth	992.2	+10	SW	4	c	41	65	7	7	7	-	7-8	9+	4000	1	4
	The Lizard	991.7	0	W'S	4	c	41	65	8	4	-	-	10	10	2500	1	3
	Scilly (St. Mary's)	990.7	0	WSW	6	c	39	85	7	8	1	-	4-6	7-8	4000	1	4
	Guernsey	994.8	+10	SW	5	RR	43	95	7	6	-	-	10	10	1500	2	4
6	Pembroke	987.7	+10	SW	6	ph(r)	39	75	7	9	6	-	4-6	7-8	1500	1	4
7	Holyhead	992.3	+4	E	8	is$_o$	33	95	6	5	-	-	9+	9+	4000	7	4
	Chester (Sealand)	994.9	-10	E'S	8	k/s	30	96	3	6	-	-	10	10	800	8	*
8	L'pool (Bidston)	994.8	-12	E	7	o/s	30	95	6	5	-	-	10	10	800	8	*
9	Harrogate	1003.1	0	SE	4	ss	28	95	4	6	-	-	10	10	4150	8	*
10	Spurn Head	1003.1	0	SE	7	q	36	75	7	5	2	-	7-8	9+	2500	6	6
	Catterick	1004.7	-4	E	3	is$_o$	32	85	5	5	-	-	10	10	1500	9	*
	Tynemouth	1006.5	-4	E	6	o	36	85	8	6	-	-	10	10	1500	7	3
11	Inchkeith	1008.0	-4	E	4	ps	32	95	8	8	7	-	9	9+	1500	6	4
	Leuchars	1010.0	+2	E	4	bcjp	31	85	7	9	-	-	2-3	2-3	800	8	*
12	Renfrew	1006.9	-8	NE	4	c	33	95	6	8	-	1	7-8	10	2500	4	*
	Eskdalemuir	1004.8	-10	ENE	7	is$_o$	30	65	7	5	-	-	10	10	2500	4	*
13A	Tiree	1007.3	-4	ENE	6	b	34	65	9	4	-	8	1	1	2500	0	4
13B	Stornoway	1011.4	-4	NE	1	bc	33	95	8	8	6	-	2-3	4-6	2500	8	0
15	Dalwhinnie	1010.2	0	NE	4	bc	25	95	8	4	-	-	2-3	2-3	2500	9	*
	Aberdeen	1011.6	+2	E'N	5	ac	34	65	8	8	-	-	4-6	4-6	4000	7	3
	Wick	1012.5	+2	ESE	3	c	33	95	8	3	7	-	4-6	7-8	2500	7	3
16	Lerwick	1015.5	+6	SE	4	c/s	32	75	7	9	2	-	4-6	10	1500	7	*
17	Blacksod Point	999.8	-10	E	8	cq	38	95	8	-	7	-	-	9+	-	0	6
18	Malin Head	1003.1	0	E	6	c	37	85	7	4	-	-	9+	9+	1500	0	4
	Aldergrove	998.6	-10	ENE	7	ss$_o$	32	95	6	5	2	-	7-8	10	1500	6	*
	Donaghadee	997.8	-24	ESE	8	q	35	95	7	9	-	-	9+	9+	1500	1	5
19	Birr Castle	986.4	-6	NE	5	o/ps	32	95	6	6	-	-	10	10	1500	9	*
20	Valentia Obsy.	990.0	+22	N'E	6	ss	33	95	6	6	-	-	10	10	1500	6	3
	Roches Point	982.9	-4	N	6	c	37	95	7	6	-	-	9	9	1500	1	5

PAST 24 HOURS.

Stations. (For heights see p. 4.)	Weather. 7h.–13h. 24th (37)	Weather. 13h.–18h. 24th (38)	Weather. 18h. 24th to 1h. 25th (39)	Weather. 1h.–7h. 25th (40)
London (Kew)	cm$_o$s$_o$	ossm	cirs$_o$	orrc
Croydon	exg$_o$is$_y$	ossff	ssafocr	orrrr$_o$
S. Farnborough	crs$_o$ossf	ossfm	orsrr	orr
Winchester	ossm	ossrsrsm	orrm$_o$	orrm$_o$
Boscombe Down	cossq	ossrsrr	orrm$_o$	orrm$_o$
Calshot, S'thmtn	orsrmRs	oRsrrmq	orrrq	ocrrqm
Dungeness	o	s	*	s
Lympne	cg$_o$c	cossmss$_o$	os$_o$coq	ogrd$_o$cq
Shoeburyness	cm$_o$s$_o$cm$_o$	cossm	ossm	cirqm$_o$
Felixstowe	bcxc	ecg$_o$	cps$_o$rs$_o$c	bccr$_o$
Gorleston	cpscq	cq	coqr$_o$c	opre$_o$cq
Cranwell	cm$_o$	cqss$_o$ossf	ossf	os$_o$s$_o$m$_o$
Birmingham	s$_o$s	ossf	os$_o$s	osrs
Upper Heyford	cs$_o$s$_o$	coss	ossrs	orrs
Ross-on-Wye	ssq/rss	sc.	ssocos	sso
Portland Bill	rrzo	rrzo	orrz$_o$	orr
Plymouth	cirhq	cq	crr	crir$_o$
The Lizard	Rrc	c	c	cprbc
Scilly (St. Mary's)	crc	cph$_o$	bcphr	phr
Guernsey	cir$_o$	cRR	oRir	cRrr
Pembroke	cqprm$_o$c	cqtq$_o$c	cqc	cqphrL
Holyhead	ssffq	s$_o$s$_o$s	clom$_o$c	rs$_o$rs$_o$
Chester (Sealand)	ofss	SkSf	s$_o$Sfrr	or$_o$rm$_o$
L'pool (Bidston)	ogssf	ossuo	ors$_o$	oqrs$_o$
Harrogate	c	coss	coqss	coqss$_o$
Spurn Head	cpsc	cq	qss/	qsfc
Catterick	bcis$_o$	cmsm$_o$	sssm$_o$	cssm$_o$
Tynemouth	cps$_o$q	cops$_o$q	orsq	ocsq
Inchkeith	cps	cps	cps	cps
Leuchars	cpshps$_o$	cpsbcyps	bccpsh	cpsrs$_o$q
Renfrew	ps$_o$b.cq	bccps$_o$	c	crs$_o$
Eskdalemuir	occcps$_o$	cis$_o$	cs$_o$os$_o$s$_o$	os$_o$s$_o$o
Tiree	c	b	bbc	c
Stornoway	bcc	cbc	bc	bcc
Dalwhinnie	b	b	*	is
Aberdeen	bc	bcps$_o$	bcpsh$_o$	crs$_o$q
Wick	css	cps$_o$	cps$_o$	cps$_o$cph
Lerwick	cpsh	cis	cpsh	c
Blacksod Point	bcq	cq	cq	cq
Malin Head	czg	czg	cirs	orars
Aldergrove	cs$_o$c	css$_o$sm$_o$	oSssff	ossff
Donaghadee	bccq	cphrq	o V S	oRRq
Birr Castle	sssq	sso	o I S	sso
Valentia Obsy.	cssoss	oss	ossis	ssirs
Roches Point	coss	ocs$_o$c	cpsc	cpsc

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, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—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 $\frac{1}{10}$ 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
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.

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.*

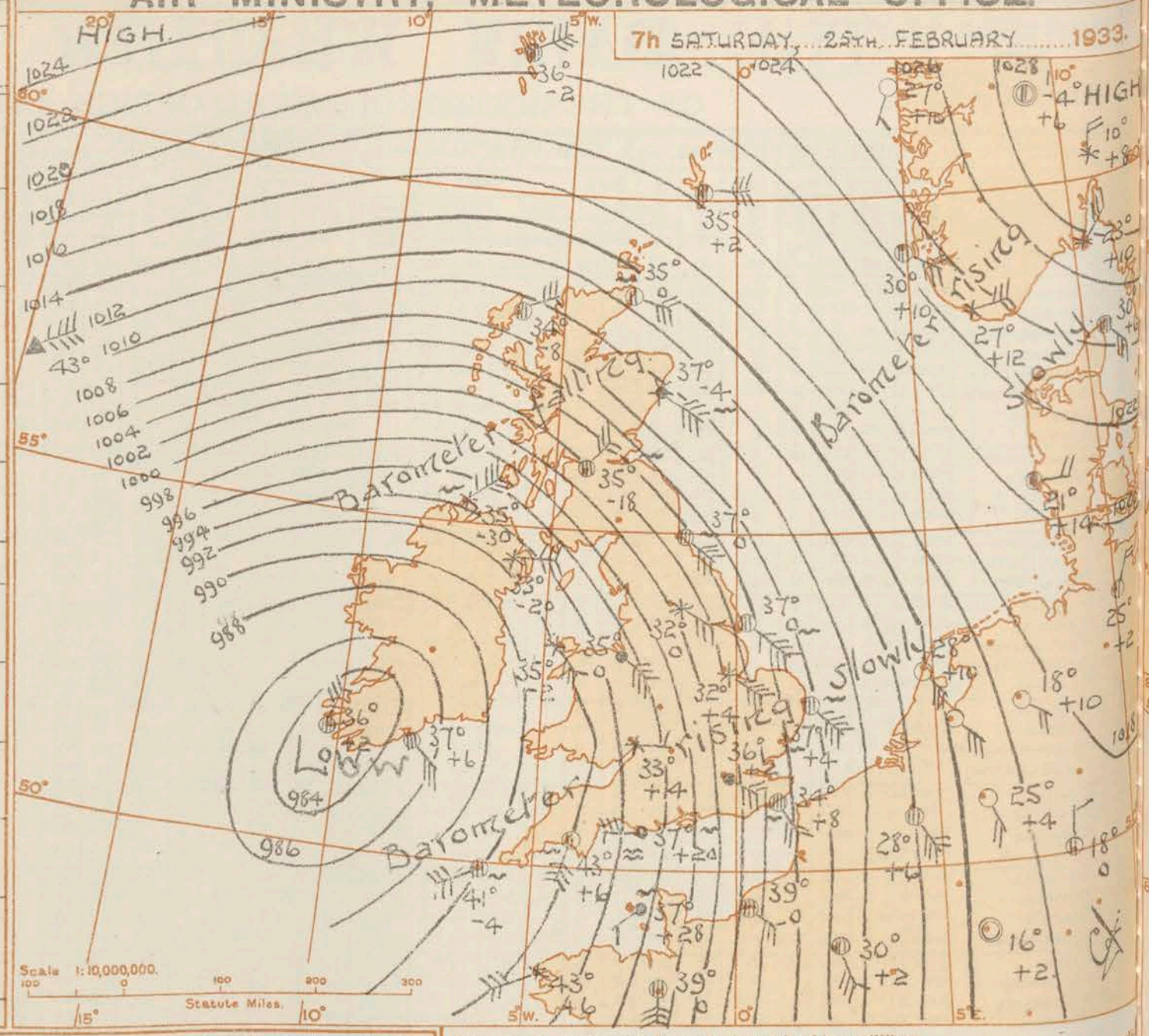
REPORTS from HEALTH RESORTS for 24th February 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 23rd to 9h. 24th	Temperature. Max. 9h.—17h. 24th	Rainfall. Night. 17h. 23rd to 9h. 24th	Rainfall. Day. 9h.—17h. 24th	Sunshine. Sunrise to 17h. 24th	Sunshine. Sunrise to Sunset. 25th
1	Tunbridge W.	os	oss	21	35	Trace	4	0·0	6·5
	Bournemouth	s	rr	27	41	3	13	0·0	7·8
	Ventnor ...	oscs	orsor	31	40	Trace	7	0·0	8·9
	Southsea ...	ors	orro	28	40	0·3	9	0·0	8·9
	Bognor Regis	orsrs	rso	27	40	Trace	3	0·0	8·3
	Littlehampton	cics	crsrc	25	40	-	4	0·0	8·5
	Worthing ...	crs	rr	26	39	-	4	0·0	7·9
	Brighton ...	ossl	slo	25	39	1	3	0·0	7·2
	Eastbourne†	os	ssc	24	38	-	3	0·0	7·2
	Hastings† ...	oco	osos	29	39	-	1	0·0	4·1
	Folkestone ...	xoco	os	24	37	-	Trace	0·1	3·6
	Dover... ...	bcco	os	22	38	-	Trace	0·4	4·2
	Deal	bco	o	23	38	0·5	-	0·3	2·3
	Ramsgate ...	bcc	co	29	36	-	-	0·7	4·8
	Margate ...	c	c	29	36	-	-	0·5	4·5
2	Southend ...	o	os	28	36	Trace	Trace	0·0	5·4
	Maldon ...	c	cos	24	36	-	Trace	0·0	7·2
	Clacton-on-Sea	bcco	oc	28	37	-	-	0·5	6·7
	Dovercourt ...	xbc	oc	25	37	-	-	1·1	6·8
	Lowestoft ...	cbc	bcc	21	37	0·1	-	2·1	0·6
	Skegness ...	om	om	27	36	Trace	-	0·0	5·2
	Mablethorpe	o	o	28	36	-	-	0·0	4·5
	Cleethorpes ...	o	o	28	36	0·6	-	0·0	2·2
3	Leamington S.	ss	ss	22	34	-	18	0·0	7·8
4	Cheltenham†	moss	ossm	26	33	3	10	0·0	8·9
5	Bath	ssq	qssc	26	37	1	20	0·0	8·6
	Weymouth ...	qrscr	rr	28	42	11	21	0·0	9·6
	Jersey ...	spc	crq	34	44	3	Trace	0·1	9·0
	Torquay ...	ckkqm	okorco	31	44	21	12	0·0	8·0
	Penzance ...	ocbc	cbc	35	44	11	-	0·7	3·7
	St. Ives ...	c	c	35	42	14	-	1·4	3·4
	Bude	bcprh	psbc	32	43	8	1	2·1	5·5
	Ilfracombe ...	crsbc	bcc	32	42	26	3	2·3	6·0
6	Aberystwyth	rsss	ssphc	30	36	14	5	0·3	3·7
7	Llandudno ...	s	sso	29	31	1	7	0·0	5·7
	Colwyn Bay...	ss	ssoss	30	38	3	?	0·0	6·0
	Rhyl	oss	oss	27	35	0·3	1	0·0	7·5
8	Wallasey ...	oss	ss	28	35	-	0·5	0·0	8·5
	Southport‖ ...	o	os	28	34	-	1	0·0	8·8
	Blackpool ...	o	os	27	34	-	1	0·0	7·6
	Morecambe ...	c	csso	28	36	-	0·3	0·0	8·9
9	Ilkley... ...	o	os	24	33	2	Trace	0·0	6·2
10	Berwick-on-T.	bcph	phbc	30	36	1	1	3·9	2·2
11	Dumbar ...	cps	cps	26	36	7	1	4·7	2·2
12	Troon... ...	xbc	bcc	26	38	-	-	5·3	6·1
	Douglas ...	xoqx	ss	29	38	Trace	1	0·0	5·7

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h SATURDAY, 25TH FEBRUARY 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 25th Feb., 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Wind southeast or south; fresh or strong, moderating; cloudy, occasional rain, sleet or snow; rather cold.
5. S.W. England 6. South Wales	Fresh or strong southwest wind, moderating; cloudy, occasional rain or sleet; rather cold.
7. North Wales 8. N.W. England	Fresh southerly wind; cloudy, occasional rain, sleet or snow; rather cold.
9. N Midlands 10. N.E. England	Fresh or strong southeasterly wind; dull, some snow, sleet or rain; rather less cold.
11. S.E. Scotland	Fresh or strong easterly wind; dull, some snow; cold.
12. S.W. Scotland & Isle of Man	
13. A. W. Scotld. B. N.W. Scotland.	Fresh or strong easterly wind; cloudy, occasional snow; cold.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Fresh or strong easterly wind; cloudy or dull, some snow; cold.
17. N.W. Ireland 18. N.E. Ireland	As 11 - 12.
19. S.E. Ireland 20. S.W. Ireland	Wind easterly or variable, fresh at times; cloudy, occasional rain, sleet or snow; rather cold.

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

Barometer. Isobars are drawn for intervals of two millibars.
Wind. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— Temperature is given in degrees F.
Weather Symbols :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 1/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm.
Sea Disturbance. Rough. High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A deep depression centred off Southern Ireland is almost stationary. Further snow will occur in the North while in the South there will be occasional rain or sleet with snow locally.

FURTHER OUTLOOK.

Unsettled and rather cold or cold.

Times of Issue of Gale Warning.

▼ South cone 0235 24th in Dists. 5 and 6
0835 24th in Dist. 1.
▲ North cone 0840 24th in Dists 7 and 19;
1605 24th in Dists. 12 and 17.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

Forecasts issued at 1005 G.M.T.

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

Morning of
Saturday,
25th February,
1933.

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 the wind. Number of feathers indicate Beaufort Force.
⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by aymbols (see opposite page).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 25th February 1933.

No. 26028

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

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	1000·9	+6	ESE	4	ir	36	85	6	6	2	-	7-8	10	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8	996·2	+8	SSE	7	o/r	41	85	7	5	-	-	10	10	1500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1004·4	-2	SSE	6	o	35	75	5	5	-	-	10	10	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1006·2	0	SE	7	prs	35	95	5	6	-	-	10	10	800
	Cranwell ...	240	1000·6	-4	ESE	6	s.s.	32	95	4	6	-	-	10	10	<150
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	991·4	-16	SSE	7	rr	41	95	6	6	-	-	10	10	800
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	991·3	0	WSW	4	c	41	65	8	8	-	-	10	10	4000
	Scilly(St.Mary's)	163	989·7	-6	WSW	6	bc	40	85	8	2	-	-	2.3	2.3	4000
	Guernsey ...	175	994·1	-4	SSE	5	o/r	44	95	6	5	-	-	10	10	1500
6	Pembroke ...	142	988·5	0	SSE	5	o2	42	65	7	8	-	-	10	10	1500
7	Holyhead ...	26	993·9	+2	E	5	o	36	85	6	5	-	-	10	10	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1001·1	-6	SE	8	ss	35	95	6	6	-	-	10	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1006·0	-12	SE	5	is	34	95	6	6	-	-	10	10	1500
11	Inchkeith ...	190	1006·3	-6	E	5	ps	35	65	8	9	-	-	9+	9+	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1012·5	+6	E	2	bc	32	85	8	8	6	-	2.3	2.3	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1013·2	0	ESE	4	ps.	35	95	8	8	1	-	4.6	7.8	1500
16	Lerwick ...	54	1017·3	+10	SE	4	c/ps	31	85	7	8	-	-	9+	9+	1500
17	Blacksod Point	18	997·1	-20	E	8	c9	38	95	8	-	7	-	-	10	-
18	Malin Head ...	52	999·4	-20	E'N	7	s	34	95	4	.	.	.	10	10	-
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	986·7	-20	NE'N	7	s	35	95	3	9	-	-	10	10	800
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)...	999·9	0	SE	5	c	37	85	8	5	1	-	7-8	10	1500	6	*
	Croydon ...	1000·5	+2	ESE	5	cr.	36	85	6	5	2	-	9	10	800	3	*
	S. Farnborough	998·7	+8	SE'S	6	rr	37	95	6	6	-	-	10	10	450	6	*
	Winchester ...	996·3	+4	SSE	7	rr	39	95	6	6	-	-	10	10	450	2	*
	Boscombe Down	994·3	+12	SE'S	6	rr	38	95	6	6	-	-	10	10	220	6	*
	Calshot,(S'thmtn)	995·6	-2	SE'S	8	cr.	40	95	6	6	-	-	10	10	800	1	5
	Dungeness ...	*	*	SE'S	7	q	*	*	6	8	9	*	7-8	9+	800	*	4
	Lympne ...	1004·6	+8	SE'S	5	o/d	34	85	6	5	-	-	10	10	2500	6	*
2	Shoeburyness	1003·7	+8	SE'S	6	c	35	95	6	5	1	-	7-8	9+	2500	3	*
	Felixstowe ...	1006·2	+12	SE	7	r.r.	37	75	6	5	2	8	7-8	9+	2500	0	5
	Gorleston ...	1006·2	+4	SE'E	7	c	37	85	6	5	8	-	4-6	7-8	2500	1	5
	Cranwell ...	1000·4	+8	ESE	7	s.s.	32	95	5	6	-	-	10	10	450	7	*
3	Birmingham ...	995·7	+2	SE	5	s.s.	34	95	5	6	-	-	10	10	800	3	*
	Upper Heyford	997·8	+10	E	4	rs	35	95	6	5	-	-	10	10	800	3	*
4	Ross-on-Wye ...	994·3	+14	E	1	cs	33	95	6	6	-	-	10	10	800	7	*
5	Portland Bill...	994·4	+20	W	4	rr	37	95	7	8	8	-	10	10	1500	2	6
	Plymouth ...	992·1	+6	SW'S	6	c	43	65	8	8	3	4	4-6	7-8	2500	2	4
	The Lizard ...	991·2	0	SW	5	bc	40	75	8	8	-	-	4-6	4-6	4000	1	3
	Scilly(St.Mary's)	989·0	-4	WSW	6	c	41	85	8	8	-	-	7-8	7-8	4000	1	4
	Guernsey ...	995·7	+28	SW	1	cr	37	95	7	6	-	-	10	10	1500	2	4
6	Pembroke ...	988·9	+6	SSE	5	pw(r)	41	75	7	8	7	-	7-8	7-8	1500	1	3
7	Holyhead ...	992·9	-2	ESE	4	s	35	95	6	6	2	-	Tr	10	450	3	1
	Chester (Sealand)	993·5	+4	SE'E	6	rr	35	95	6	6	-	-	10	10	800	3	*
8	L'pool (Bidston)	993·3	+6	ESE	5	rs.	34	95	6	5	-	-	10	10	800	3	*
9	Harrogate ...	1000·7	0	ESE	4	s.s.	32	95	6	6	2	-	9	10	2500	9	*
10	Spurn Head ...	1001·9	0	SE	8	q	37	85	6	6	2	-	4-6	7-8	1500	3	5
	Catterick ...	1001·1	0	E	5	c	35	85	6	5	-	-	10	10	1500	9	*
	Tynemouth ...	1003·9	-4	SE	6	o/s	40	85	6	6	-	-	10	10	1500	7	4
11	Inchkeith ...	1004·3	-14	E	6	c	35	95	7	5	2	-	4-6	10	1500	3	4
	Leuchars ...	1007·2	-4	E	6	rs.	35	85	6	6	2	-	7-8	10	800	7	*
12	Renfrew ...	1001·2	-18	NE	5	c/rs	35	85	6	8	-	-	10	10	1500	4	*
	Eskdalemuir ...	1000·1	-6	E	6	o	33	95	6	5	-	-	10	10	1500	8	*
13A	Tiree	1001·1	-24	NE'E	7	c	37	65	9	5	7	-	9	10	1500	0	4
13B	Stornoway ...	1010·0	-8	ENE	4	c	34	85	8	8	7	-	4-6	7-8	1500	8	1
15	Dalwhinnie ...	1007·3	-12	ENE	4	s.	30	95	6	4	-	-	10	10	1500	9	*
	Aberdeen ...	1010·5	-4	ESE	6	rs.	37	85	8	6	-	-	10	10	800	7	4
	Wick	1012·4	0	ESE	5	c/ph	35	95	8	9	1	-	4-6	7-8	1500	7	4
16	Lerwick ...	1017·9	+2	E	6	c	35	65	7	8	9	-	4-6	9+	1500	8	*
17	Blacksod Point	992·1	-20	E	6	c9	38	95	8	-	7	-	-	10	-	0	5
18	Malin Head ...	994·4	-30	E'N	7	s	35	95	4	9	-	-	10	10	450	2	4
	Aldergrove ...	992·6	-20	E	6	ss	33	95	4	5	-	-	10	10	450	9	*
	Donaghadee ...	992·7	-16	SE	6	RR	37	95	7	6	-	-	9	9	800	1	4
19	Birr Castle ...	986·6	0	NE	3	os	33	95	6	6	-	-	10	10	1500	9	*
20	Valentia Obsy.†	983·9	-2	N'E	4	c/rs	36	85	8	9	-	-	10	10	1500	6	*
	Roches Point...	984·6	+6	SE	3	c	37	95	8	6	-	-	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 24th Hrs. (36)
1	London (Kew)...	37	34	33	5	6	0·0
	Croydon ...	36	33	32	7	6	0·0
	S. Farnborough	36	34	32	14	13	0·0
	Winchester ...	37	36	30	15	16	0·0
	Boscombe Down	36	34	33	12	29	0·0
	Calshot,(S'thmtn)	40	40	38	11	5	0·0
	Dungeness ...	38	34	*	0.5	0·4	*
	Lympne ...	35	32	31	0.1	1	0·0
2	Shoeburyness	37	32	32	0.4	1	0·0
	Felixstowe ...	37	33	32	-	1	0·4
	Gorleston ...	37	33	31	0.4	1	1·5
	Cranwell ...	33	29	29	1		0·0
3	Birmingham ...	31	31	31	14	7	0·0
	Upper Heyford	33	31	23	2	10	*
4	Ross-on-Wye ...	35	32	32	16	11	0·0
5	Portland Bill...	43	35	*	27	15	*
	Plymouth ...	44	36	35	9	2	0·0
	The Lizard ...	45	38	*	6	0·6	*
	Scilly(St.Mary's)	42	37	*	1	1	2·2
	Guernsey ...	45	39	37	6	17	0·0
6	Pembroke ...	42	36	*	0·6	2	1·3
7	Holyhead ...	35	33	31	7	3	0·0
	Chester (Sealand)	33	30	29	2	3	0·0
8	L'pool (Bidston)	33	30	29	0.5	4	0·0
9	Harrogate ...	32	28	28	0.3	10	0·0
10	Spurn Head ...	37	31	*	Tr	3	0·0
	Catterick ...	33	30	27	0.1	5	0·0
	Tynemouth ...	38	33	31	0.2	6	*
11	Inchkeith ...	36	31	29	2	0·4	3·3
	Leuchars ...	38	30	28	2	1	3·3
12	Renfrew ...	36	31	30	Tr	Tr	4·0
	Eskdalemuir ...	32	28	28	Tr	4	1·3
13A	Tiree	37	33	31	-	-	8·8
13B	Stornoway ...	36	30	*	-	-	6·9
15	Dalwhinnie ...	29	22	13	-	1	7·2
	Aberdeen ...	36	32	28	0.3	Tr	5·8
	Wick	35	32	*	0·1	153	*
16	Lerwick ...	33	30	*	0.5	Tr	1·3
17	Blacksod Point	39	36	*	0·2	37	*
18	Malin Head ...	39	34	*	Tr	4	0·0
	Aldergrove ...	35	30	30	Tr	38	0·0
	Donaghadee ...	38	33	*	0.1	24	*
19	Birr Castle ...	32	31	2	1	0·0	
20	Valentia Obsy.†	46	32	32	2	6	0·0
	Roches Point...	37	35	*	2	2	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 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.						Yesterday.	To-day.	
Kew	18	cm.s.	ossm	cirs,prr	37	34	33	5	6	0·0	*	*	6
Croydon	217	cir.s.r	ossff	ossfocrr	36	33	32	7	6	0·0	*	*	5
Greenwich (Royal Observatory) ...	149	sc	css	r.fcddrs	37	34	31	7	3	0·0	93	90	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	39	33	31	7	9	0·0	82	84	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	38	32	32			0·0	85	90	*
Camden Square	110	oso	os	*	35	34	32	4	3	*	*	91	*
Kensington	80	co	os	*	36	33	31	0·5	9	0·0	At 18h.	94	*
Hampstead Observatory	450	o	os	*	35	33	28	4	2	0·0	100	91	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 25th

South Kensington. Max.	Time.	Min.	Time.
1·0	10h 24th	Nil	0h-7h 25th

Kew Observatory. Max.	Time.	Min.	Time.
0·3	8h 24th	40·1	0h-6h 25th.

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 24th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 25th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1009·3	S	4	c	36	1009·4	SSE	4	c	30
Brussels	1011·9	SE	3	c	30	1012·0	SE	5	c	23
Berlin	1017·0	NNE	2	c	27	1016·6	N	3	cs	27
Zürich						1016·4	W	1	m	14
Rome	1008·2	-	0	cd.	29	1013·4	SE	2	bc	37

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
36	30	-	-
32	27	-	-
	25		1
	14		-
46	34	3	Tr

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.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 26th February 1933.

No. 26029

District.	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 25th February														OBSERVATIONS at 18h. G.M.T. 25th February														PAST 24 HOURS.			
				Wind.					Cloud.									Wind.					Cloud.								Weather.			
		Barom. at M.S.L. mb.	Change in 3 hours.	Direc.	Force. 0-12	Weather.	Temp. °F.	% Humid.	Visibility 0-9	Form. Low.	Form. Med.	Form. High.	Amount. Low 0-10	Amount. Total 0-10	Height of Base. (feet)	Barom. at M.S.L. mb.	Change in 3 hours.	Direc.	Force. 0-12	Weather.	Temp. °F.	% Humid.	Visibility 0-9	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	7h.–13h. 25th	18h.–18h. 25th	18h. 25th to 1h. 26th	1h.–7h. 26th
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)
1	London (Kew)	1001.7	+6	SEE	6	r.r.	39	85	5	6	2	-	7-8	10	1500	1003.3	+4	SE	5	rr	38	85	5	6	2	-	7-8	10	1500	1	*	cr.s.c.r	orrcrm.	orr m.	orr m. c
	Croydon	1002.2	+6	SE	5	c/r	38	85	6	5	1	-	9	10	800	1002.3	+2	SE'E	4	r.r.	39	65	6	5	-	-	10	10	800	1	*	or s.r.s.r.	cm. r.r.	orr	oro
	S. Farnborough	1000.0	+6	SSE	5	dr	39	85	6	5	-	-	10	10	450	1002.3	+10	SW'S	2	rr	38	95	6	6	-	-	10	10	450	2	*	orsrr	orr m.	orr m.	orr ur.
	Winchester	999.2	+16	S	6	rr	38	95	6	6	-	-	10	10	800	1001.5	+10	ESE	3	r.s.	33	95	6	6	-	-	9+	9+	800	6	*	orr m.	orrs.s.s.m.	orsrsur	orr m.
	Boscombe Down	999.8	+18	SE'S	3	s.s.	32	95	4	6	-	-	10	10	220	1000.6	+10	ESE	3	0	35	95	6	5	-	-	10	10	450	6	*	orr r.s.s.s.	os.s.s.c.o.	om.	our orr
	Calshot, S'thmtn	999.0	+18	SE'S	7	rr	38	95	6	6	-	-	10	10	1500	1001.2	+10	SE'E	3	rr	36	95	6	6	2	-	7-8	10	800	1	2	orr q m.	orr m.	orr m.	or. r.
	Dungeness	*	*	SE'S	7	q	*	*	6	5	-	*	9	9	1500	*	*	SE'S	6	q	*	*	6	5	-	*	9+	9+	1500	*	4	0	0	•	0
	Lympne	1005.1	+2	SE	5	c	39	65	7	5	3	8	4-6	9+	4000	1005.5	+4	SE	5	c	39	65	7	5	2	-	4-6	10	4000	1	*	cq p r.	cy	cm.	cm.
2	Shoeburyness	1004.7	+4	SSE	7	q	41	65	7	5	1	-	7-8	9+	4000	1005.6	+2	SSE	5	c	39	75	7	5	2	-	4-6	10	~~800~~ 4000	1	*	cq m.	cqc	c	c
	Felixstowe	1006.4	+2	ESE	6	bc	40	65	7	5	7	1	4-6	4-6	4000	1006.6	+2	ESE	6	c	40	55	7	5	2	8	4-6	9+	4000	0	5	cr.bc	bc cy	cyc	c
	Gorleston	1008.1	+10	ESE	7	c	38	85	6	5	-	-	10	10	2500	1008.2	+2	ESE	6	c	39	85	6	5	-	-	9+	9+	2500	0	5	cq	cq	cq	cq
	Cranwell	1002.6	+6	ESE	6	r.s.	34	95	6	5	-	-	10	10	800	1004.0	+10	SE'E	7	r.s.	34	95	5	5	-	-	10	10	450	3	*	s. r.s.	r.s. o	ors ssf	oss frsm
3	Birmingham	999.8	+4	SE	4	s.s.	33	95	4	6	-	-	10	10	800	1001.6	+8	SSE	3	s.s.s.	33	95	4	6	-	-	10	10	800	3	*	osrsrs	or. ss	ors	orsrs
	Upper Heyford	1000.2	+14	SE	4	s.s.	33	95	5	6	-	-	10	10	450	1002.2	+10	SE	3	s.s.	32	95	3	6	-	-	10	10	450	7	*	orsrs	rs rsfss	ss ss	ssrsrsf.
4	Ross-on-Wye	998.5	+12	ESE	3	i.s.	34	95	6	6	-	-	10	10	1500	1000.3	+10	ESE	3	c/r	35	95	6	6	1	-	9	9+	2500	3	*	so	s.c.o.r.	c b.c.e	oss
5	Portland Bill	997.7	+10	SE	5	c	40	95	7	8	2	-	7-8	9+	1500	999.4	+10	SSE	4	c	41	85	7	8	-	-	7-8	7-8	1500	1	4	orrc	c	co	oRR3.
	Plymouth	994.9	+10	S	5	c j p	47	55	8	8	-	1	4-6	7-8	4000	997.0	+12	S	5	c j p	42	75	8	8	-	3	7-8	9	1500	1	4	c j p b c y	c j p v y	crsrs	orsrs
	The Lizard	994.6	+10	SW'S	4	c	45	65	8	8	6	-	4-6	7-8	4000	996.6	+10	WSW	5	c j p	39	75	8	3	6	8	7-8	9	1500	1	3	b c t l c	c p h c	c l p r.	op s r r
	Scilly (St. Mary's)	991.8	+8	SW	6	bc	46	65	8	8	-	-	4-6	4-6	4000	994.2	+12	SW	5	bc	43	75	8	8	8	-	4-6	4-6	4000	1	3	c p h r.	p h r.	b c p	b c c
	Guernsey	999.0	+14	SSE	3	0	39	85	7	5	-	-	10	10	2500	999.9	+8	SW	2	c	39	85	7	8	1	-	4-6	7-8	2500	1	3	orr	oc	o i r	orr
6	Pembroke	991.8	+8	SSW	5	p r.	41	75	7	8	7	-	4-6	7-8	1500	995.3	+10	SSE	5	2 Th.	42	75	7	9	6	-	7-8	9	1500	1	3	c q H p r.	c q p h r t l c	b b c q l	c q
7	Holyhead	995.6	+12	E'S	4	c	42	75	8	5	-	1	7-8	7-8	~~5700~~	998.4	+22	SE'E	5	b c	38	85	8	4	-	3	Tr.	2-3	2500	1	2	r.s. c	bc	bc	bcc
	Chester (Sealand)	998.0	+14	ESE	4	i r.	36	95	5	6	2	-	7-8	10	800	1000.5	+18	SE	3	0	36	85	5	6	-	-	10	10	800	3	•	r r. s. i r.	or. m.	or. m.	o m.
8	L'pool (Bidston)	997.2	+10	SE'E	6	r.s.	34	95	4	5	-	-	10	10	800	999.3	+20	SE'E	4	u	35	95	6	5	-	-	10	10	800	3	•	o r s. m	p q m o u	o m.	o m.
9	Harrogate	1002.7	+6	ESE	2	s.s.	33	95	3	6	-	-	10	10	4150	1004.6	+6	E	3	s.s.	32	95	3	6	-	-	10	10	4150	9	*	c o f. s.s.	o f s s	o f s s	o f s s
10	Spurn Head	1002.8	+2	SE	8	q	39	75	7	5	3	-	4-6	7-8	2500	1004.7	+4	SE	8	q	39	85	6	3	2	-	4-6	9+	1500	0	6	cq	q p r.	q p r.	cq
	Catterick	1003.2	+10	ESE	4	r.r.	36	85	6	5	-	-	10	10	800	1005.0	+14	E'S	4	r.s.	33	95	5	6	-	-	10	10	800	3	•	r s i s. r.	o s s r s m	o s s m.	o s s m.
	Tynemouth	1004.5	+12	SE	7	o	39	85	6	6	-	-	10	10	1500	1006.2	+8	SE	6	o	40	75	6	6	-	-	10	10	1500	1	5	o p r s q	o i r q p	o i r q	o u r o q
11	Inchkeith	1005.5	+12	E	8	i r.	37	85	7	9	-	-	10	10	1500	1006.4	+8	E	8	i r.	37	85	7	6	-	-	10	10	800	1	4	c i r.	c i r.	c i r o r r	o r s r s c
	Leuchars	1008.0	+2	E	8	r.s.	38	75	6	6	2	-	9	10	800	1009.0	+6	ESE	8	r.r.	39	75	6	6	2	-	9+	10	800	3	*	c m p r s q	c r s s c r m q	c r. r q c	c q c r s q
12	Renfrew	1002.3	+14	E'N	5	r.r.	37	85	5	6	-	-	10	10	1500	1003.7	+12	E	6	r.r.	39	75	6	6	-	-	10	10	1500	1	*	c o r r q m	r.r. q	o r. r q	r. r r. s. r s.
	Eskdalemuir	1001.3	+10	ESE	7	s.s.	34	95	5	6	-	-	10	10	800	1003.5	+14	ESE	6	s	34	85	5	6	-	-	10	10	800	6	*	o i s. a s s	o s d c s r s	o r s o s s	o s s
13A	Tiree	999.7	0	E'S	7	c	41	65	7	5	1	-	9+	10	800	1001.0	+6	E	7	c 39	~~34~~	65	7	5	2	-	9+	10	800	0	5	c i r.	c	o r r	o c r.
13B	Stornoway	1008.1	-8	ESE	8	c	38	75	7	8	6	-	4-6	9+	1500	1008.5	+8	ESE	8	c	38	65	7	8	2	-	4-6	10	1500	3	5	c p s.	c	c	c
15	Dalwhinnie	1004.8	-4	ENE	9	i s.	30	95	6	4	-	-	10	10	800	1006.4	+6	E	9	i s.	33	95	6	4	2	-	4-6	10	450	9	•	i s	i s	•	o s
	Aberdeen	1011.9	+10	ESE	7	q	38	75	7	8	7	-	7-8	9+	1500	1012.7	+6	ESE	7	q	38	65	7	8	1	-	4-6	10	1500	3	5	c r s s c q	c q	c b c c q	c q
	Wick	1013.6	+14	SE	6	c	35	75	8	9	1	-	7-8	9+	1500	1014.7	+6	SE	8	c	40	75	7	8	1	-	7-8	10	1500	3	4	c r. r c	c	c	c c r h
16	Lerwick	1020.1	+10	ESE	6	P S	34	85	5	9	-	-	9+	9+	800	1021.1	+8	ESE	4	c	37	65	7	5	-	-	7-8	7-8	1500	6	*	c P S H	c p s h	c p h s.	c p h s.
17	Blacksod Point	999.9	-10	E	6	c q	39	85	8	-	7	-	-	9+	-	~~998.6~~	+12	E	6	b c q	40	95	7	8	8	3	2-3	4-6	800	0	5	c q	p o b c q	b c q	
18	Malin Head	994.4	+4	E	7	i r	38	95	7	9	-	-	10	10	450	996.6	+20	E	6	c	40	75	6	6	1	-	7-8	9+	800	2	4	c i c s r	c p r s	c 3 p r.	c 3
	Aldergrove	994.9	+18	E'S	4	c	38	85	5	8	3	-	7-8	9+	2500	996.8	+14	E'S	5	c	37	85	5	8	-	1	7-8	9	2500	9	*	o s s r s.	c m.	c b c m.	b c c m.
	Donaghadee	995.7	+20	SE	7	q	40	85	7	9	-	-	7-8	7-8	1500	998.5	-16	SE	7	q	41	85	7	9	-	-	7-8	7-8	1500	0	4	c i r c q	c q	o q	o q
19	Birr Castle	997.1	+8	SE	3	i s	37	95	7	6	-	-	7-8	7-8	2500	999.0	+12	SE	3	5	36	95	7	6	-	-	7-8	7-8	2500	3	*	c i s	c i r s	c b c	b c c
20	Valentia Obsy.	995.0	+2	NE	2	b c	38	75	8	3	-	-	4-6	4-6	1500	996.2	+8	SE'S	3	c	37	85	8	5	-	-	7-8	7-8	2500	1	1	c i s. b c	b c c	b c c r t y	i r
	Roches Point	995.8	+6	SE	5	c	42	85	8	3	-	-	7-8	7-8	1500	998.2	+20	S	4	c	42	85	8	3	-	-	7-8	7-8	1500	0	5	c p s. c	c p s. c	c p h c	c p r b 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, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
p, 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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—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.
"t r" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
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.

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.*

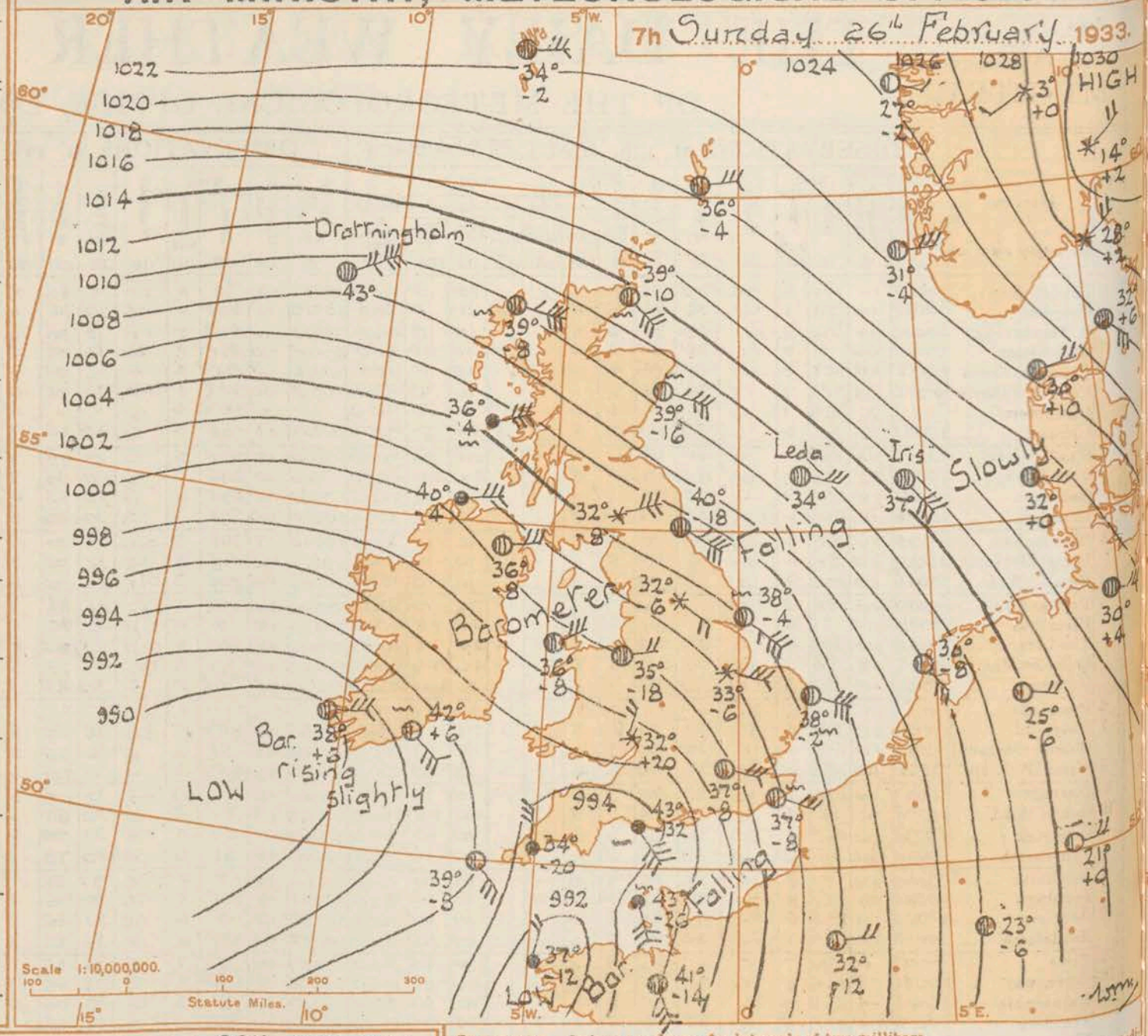
REPORTS from HEALTH RESORTS for 25th February 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 24th to 9h. 25th	Temperature. Max. 9h.—17h. 25th	Rainfall. Night. 17h. 24th to 9h. 25th	Rainfall. Day. 9h.—17h. 25th	Sunshine. Sunrise to 17h. 25th	Sunshine. Sunrise to Sunset. 24th.
1	Tunbridge W.	orso	o	31	39	7	1	0.0	0.0
	Bournemouth	ro	o	34	39	24	4	0.0	0.0
	Ventnor ...	or	orrs	34	45	2	7	0.0	0.0
	Southsea ...	orr	orr	34	42	4	11	0.0	0.0
	Bognor Regis	orrs	oirs	35	43	4	3	0.0	0.0
	Littlehampton	crc	cr.	35	43	3	2	0.0	0.0
	Worthing ...	roc	oc	35	43	2	1	0.0	0.0
	Brighton ...	ro	o	35	43	2	Trace	0.0	0.0
	Eastbourne†	oir. o	o	38	42	1	0.3	0.0	0.0
	Hastings† ...	cbcc	co	35	42	3	-	0.1	0.0
	Folkestone ...	ocbc	co	34	42	1	-	0.9	0.1
	Dover... ...	bc	bcc	34	42	06	-	2.6	0.4
	Deal	oc	o	33	41	0.5	-	0.3	0.3
	Ramsgate ...	cbc	bcc	32	41	1	-	1.3	0.7
	Margate ...	cbc	bcc	31	41	1	-	1.3	0.5
2	Southend ...	or.	or.	32	40	2	0.2	0.0	0.0
	Maldon ...	rcirs	co	32	40	1	0.3	0.0	0.0
	Clacton-on-Sea	cprc	c	35	40	0.6	-	0.1	0.5
	Dovercourt ...	doc	doc	33	41	2	Trace	0.5	1.1
	Lowestoft ...	c	c	33	40	1	-	0.0	2.1
	Skegness ...	om.	om.	32	40	Trace	-	0.0	0.0
	Mablethorpe	o	os.	32	40	2	0.3	0.0	0.0
	Cleethorpes...	oroc	orso	31	40	6	0.5	0.3	0.0
3	Leamington S.	rsrs	rsrs	30	37	6	5	0.0	0.0
4	Cheltenham†	rsass	ssam	33	35	25	8	0.0	0.0
5	Bath	ssrc	sc	33	37	18	4	0.0	0.0
	Weymouth ...	c	c	33	41	18	-	0.0	0.0
	Jersey ...	RS	srs	36	37	22	16	0.0	0.1
	Torquay ...	srhpc	cmtlq	34	44	6	1	1.0	0.0
	Penzance ...	hcbc	cbr.	37	45	1	1	1.7	0.7
	St. Ives ...	bccih	cohoc	37	45	2	1	1.8	1.5
	Bude	bc	bcc	34	46	Trace	-	4.0	2.1
	Ilfracombe ...	bcc	bccp	34	42	4	0.1	4.8	2.3
6	Aberystwyth	ephc	cbcc	32	42	5	-	4.9	0.3
7	Llandudno ...	o	oc	30	40	6	-	1.2	0.0
	Colwyn Bay...	o	ocbcb	28	38	4	-	1.0	0.0
	Rhyl	r.o	oc	29	38	2	-	0.0	0.0
8	Wallasey ...	ssrso	o	30	36	9	1	0.0	0.0
	Southport‖ ...	so	so	32	36	7	5	0.0	0.0
	Blackpool ...	orrs	orso	30	36	6	5	0.0	0.0
	Morecambe ...	ssosa	scsro	29	37	4	18	0.0	0.0
9	Ilkley... ...	s	s	24	33	15	13	0.0	0.0
10	Berwick-on-T.	o	pc.o	32	40	3	Trace	0.0	3.9
11	Dunbar ...	cbsu	orr	31	40	3	2	0.0	4.7
12	Troon... ...	sorso	orore	32	39	4	0.5	0.0	5.3
	Douglas ...	ccqc.	icrmg	30	43	9	1	0.0	0.0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Sunday 26th February 1933.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 6/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm.
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 Feb. 1933.
1. S.E. England ▼ 2. E. England... ▼ 3. E. Midlands 4. W. Midlands	Wind southeast to south, freshening, strong to gale locally on coast for a time; dull; rain at times; milder.
5. S.W. England 6. South Wales	Wind variable, moderate; dull; rain at first, improving; rather mild.
7. North Wales 8. N.W. England 9. N. Midlands	Wind east, moderate, probably variable later; dull; occasional snow or sleet locally at first, then rain; rather cold becoming milder.
10. N.E. England ▼ 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. Orkneys and Shetlands ▼ 17. N.W. Ireland 18. N.E. Ireland ▼	Fresh to strong east to southeast wind, gale on coast; cloudy; occasional sleet or snow at first on higher ground, but occasional rain elsewhere; rather cold, becoming somewhat milder.
19. S.E. Ireland 20. S.W. Ireland	Wind east to northeast or variable, moderate or fresh; mainly cloudy; local rain; milder.

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

GENERAL INFERENCE.

A large complex low pressure system lies to the southwest of the British Isles, and a deepening centre over the mouth of the English Channel will become the dominant feature. Weather will be very unsettled generally, with strong winds or gales on the eastern and northern coasts. Further snow or sleet will occur in the North at first, but rain and milder conditions from the South will spread to most districts.

FURTHER OUTLOOK.

Unsettled and milder weather generally.

Time of issue of Gale Warnings.

▼ South cone at 0905 on 26th in Districts 1,2,10,11,13,15,16 and 18.

Forecasts issued at 1255 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

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

Morning of
SUNDAY
26th February
1933.

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 the wind. Number of feathers indicate Beaufort Force.
⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 26th February 1933.

No. 26029

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

Dep.	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 (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	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croyden ...	217	1002·8	-4	SE'E	4	rr	39	85	7	5	-	-	10	10	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8	1001·2	-2	ENE	2	r.c.	37	95	6	6	-	-	10	10	800
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1005·7	+2	SW'S	4	0	38	65	6	5	-	-	10	10	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1008·0	0	SE'E	6	c	38	85	6	5	-	-	10	10	2500
	Cranwell ...	240	1004·3	-6	ESE	5	sf	32	95	2	-	-	-	10	10	<150
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	999·5	-6	SSE	4	0	41	95	4	5	-	-	10	10	5700
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	996·8	+2	ESE	5	r	39	85	8	6	-	-	10	10	2500
	Scilly (St.Mary's)	163	999·5	-4	SSW	3	bc/pr	42	85	8	2	-	-	4·6	4·6	4000
	Guernsey ...	175	999·1	-10	-	0	0	38	95	6	5	-	-	10	10	1500
6	Pembroke ...	142	996·9	+4	SSE	5	bc	41	85	7	8	-	-	4·6	4·6	1500
7	Holyhead ...	26	1000·5	+6	SE'E	3	bc	37	85	7	5	-	-	4·6	4·6	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1005·2	+2	SE	7	q	37	95	6	3	2	-	4·6	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1007·0	0	SE	6	if.	38	95	6	6	-	-	10	10	1500
11	Inchkeith ...	190	1007·9	+2	E	6	rr	35	95	7	6	-	-	10	10	800
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1011·1	+10	ESE	8	c	38	75	7	5	2	-	7·8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1015·8	+2	SE	8	c	38	75	7	8	2	-	7·8	10	1500
16	Lerwick ...	54	1021·3	0	E	4	c	36	65	7	5	-	-	9+	9+	1500
17	Blacksod Point	18	993·2	+14	E	6	bcq	39	95	8	4	7	-	2-3	4·6	800
18	Malin Head ...	52	999·8	+14	E	5	c	40	95	6	8	1	-	9	9+	800
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	988·2	+6	ESE	4	bc/pr	36	95	7	8	-	-	4·6	4·6	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Dep.	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)...	1000·7	-12	SE'E	3	c	37	75	7	5	2	-	2-3	10	2500	1	*
	Croyden ...	1001·9	-8	E'S	4	c	37	75	6	5	2	-	4-6	10	1500	1	*
	S. Farnborough	999·9	-12	ESE	5	r.r.	37	85	6	5	-	-	10	10	2500	4	*
	Winchester ...	998·4	-18	SE	4	r.r.	35	95	6	5	-	-	10	10	800	2	*
	Boscombe Down	997·0	-20	SE'E	5	rr	38	95	6	6	2	-	9+	10	450	6	*
	Calshot,(S'thmtn)	997·8	-18	ESE	5	rr	41	85	5	6	-	-	10	10	800	1	3
	Dungeness ...	*	*	SSE	6	c	*	*	6	5	-	*	9+	9+	1500	*	4
	Lympne ...	1003·6	-8	ESE	3	c	37	75	6	5	7	-	4-6	10	4000	1	*
2	Shoeburyness	1003·0	-16	SE'E	5	c	36	85	7	5	7	-	4-6	10	4000	1	*
	Felixstowe ...	1004·7	-12	ESE	5	c	37	75	7	5	7	-	0	10	-	0	4
	Gorleston ...	1006·1	-12	ESE	6	c	38	85	6	5	-	-	10	10	2500	0	4
	Cranwell ...	1002·9	-6	ESE	4	r.s	33	95	5	6	-	-	10	10	450	0	*
3	Birmingham ...	999·8	-12	ESE	3	r.s	34	95	5	6	-	-	10	10	450	3	*
	Upper Heyford	999·2	-18	SE	3	r.c.	34	95	6	6	-	-	10	10	450	7	*
4	Ross-on-Wye ...	997·5	-20	NNE	2	s.s	32	95	4	6	-	-	10	10	1500	7	*
5	Portland Bill...	993·6	-32	SSE	6	RR	43	95	6	6	-	-	10	10	1500	2	5
	Plymouth ...	993·3	-34	NW	2	r.s	34	95	6	5	-	-	10	10	450	2	4
	The Lizard ...	993·9	-20	N	3	r.r.	34	95	7	8	-	-	10	10	2500	1	3
	Scilly (St.Mary's)	993·8	-8	SE'E	3	bc	39	95	6	8	8	-	2-3	4-6	4000	1	2
	Guernsey ...	994·2	-26	SSE	5	rr	43	85	6	6	-	-	10	10	1500	2	4
6	Pembroke ...	996·3	-4	ENE	4	C	38	85	7	8	-	-	9+	9+	2500	0	2
7	Holyhead ...	999·7	-8	E'N	3	c	36	95	6	5	-	-	7-8	7-8	4000	1	2
	Chester (Sealand)	999·8	-12	E'S	2	0	35	95	5	5	-	-	0	10	800	3	*
8	L'pool (Bidston)	999·6	-14	ESE	4	0	34	95	5	5	-	-	10	10	800	6	*
9	Harrogate ...	1003·3	-6	ESE	2	sf	32	95	3	6	-	-	10	10	<150	9	*
10	Spurn Head ...	1003·2	-4	SE	7	q	38	85	6	5	2	-	4-6	10	1500	1	5
	Catterick ...	1003·6	-6	E'S	2	s.s	33	95	5	6	-	-	10	10	800	1	*
	Tynemouth ...	1005·0	-18	SE	7	0	40	85	6	6	-	-	10	10	1500	1	4
11	Inchkeith ...	1006·3	-10	E	6	c/r.s	35	95	7	6	-	-	9+	9+	1500	1	4
	Leuchars ...	1009·8	-12	E	6	c/r.s	36	85	6	6	2	-	9	10	800	1	*
12	Renfrew ...	1004·7	-8	NE	4	r.s	34	95	6	6	-	-	10	10	800	1	*
	Eskdalemuir ...	1004·1	-8	E	5	s.s	32	95	5	6	-	-	10	10	450	8	*
13A	Tiree	1003·9	-4	E'N	6	cr.	36	95	6	6	2	-	9+	10	800	1	5
13B	Stornoway ...	1009·8	-8	ESE	6	c	39	85	6	5	2	-	7-8	10	1500	3	5
15	Dalwhinnie ...	1009·0	-12	SSE	6	s.s.	32	95	6	4	-	-	10	10	800	3	*
	Aberdeen ...	1011·0	-16	ESE	7	c	39	75	7	8	-	-	9+	9+	2500	3	5
	Wick	1012·7	-10	SE	6	c/r	39	85	7	8	2	-	7-8	10	1500	1	4
16	Lerwick ...	1020·1	-4	E	5	c	36	75	7	6	2	-	4-6	9	1500	6	*
17	Blacksod Point	995·8	+14	E	6	bcq	38	95	8	5	7	9	4-6	7-8	800	0	5
18	Malin Head ...	999·7	-4	E	5	pr	40	85	7	8	-	-	9+	9+	800	2	2
	Aldergrove ...	1000·2	-8	E	3	c	36	85	5	5	-	-	10	10	1500	3	*
	Donaghadee ...	1000·5	-4	ESE	4	q	37	95	7	9	-	-	7-8	7-8	1500	0	3
19	Birr Castle ...	994·8	0	SE	2	c	35	95	8	5	-	-	7-8	7-8	2500	3	*
20	Valentia Obsy.†	999·9	+6	E	4	c	38	85	8	9	7	-	7-8	9	1500	1	*
	Roches Point...	999·3	+6	SE	4	bc	42	85	8	3	-	-	4-6	4-6	1500	1	5

PAST 24 HOURS.

Dep.	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)
1	London (Kew)...	41	37	35	7	6	0·0
	Croyden ...	39	36	34	6	8	0·0
	S. Farnborough	39	35	34	21	11	0·0
	Winchester ...	40	32	30	19	11	0·3
	Boscombe Down	38	32	32	12	4	0·0
	Calshot,(S'thmtn)	41	35	33	12	9	0·0
	Dungeness ...	41	38	*	-	Tr.	*
	Lympne ...	40	36	34	Tr.	-	2·2
2	Shoeburyness	41	36	34	-	-	0·3
	Felixstowe ...	41	36	35	0·1	-	0·5
	Gorleston ...	40	37	35	-	-	0·0
	Cranwell ...	36	31	31	2		0·0
3	Birmingham ...	35	32	32	11	3	0·0
	Upper Heyford	35	32	31	11	10	*
4	Ross-on-Wye ...	36	32	31	5	17	0·1
5	Portland Bill...	42	38	*	1	5	*
	Plymouth ...	47	33	32	Tr.	8	4·6
	The Lizard ...	46	34	*	1	10	*
	Scilly (St.Mary's)	47	38	*	0·6	0·5	6·1
	Guernsey ...	39	38	36	4	6	0·0
6	Pembroke ...	43	37	*	3	1	2·8
7	Holyhead ...	43	34	29	0·1	-	3·6
	Chester (Sealand)	36	34	33	2	Tr.	0·0
8	L'pool (Bidston)	35	34	33	3	-	0·0
9	Harrogate ...	33	32	32	10	36	0·0
10	Spurn Head ...	41	37	*	Tr.	Tr.	0·2
	Catterick ...	36	32	31	3	17	0·0
	Tynemouth ...	42	37	35	01	3	*
11	Inchkeith ...	38	34	33	0·1	3	0·0
	Leuchars ...	39	36	34	2	0·3	0·0
12	Renfrew ...	38	34	32	2	8	0·0
	Eskdalemuir ...	35	31	31	3	5	0·0
13A	Tiree	41	36	35	Tr.	0·4	0·0
13B	Stornoway ...	39	37	*	Tr.	-	0·0
15	Dalwhinnie ...	35	30	26	3	-	0·0
	Aberdeen ...	38	37	35	0·2	-	0·0
	Wick	38	37	*	0·4	-	*
16	Lerwick ...	37	32	*	0·4	Tr.	0·6
17	Blacksod Point	41	37	*	0·2	Tr.	*
18	Malin Head ...	40	39	*	8	Tr.	0·0
	Aldergrove ...	39	36	33	5	-	0·4
	Donaghadee ...	43	36	*	4	-	*
19	Birr Castle ...	38	35	31	7	-	2·5
20	Valentia Obsy.†	40	36	33	0·6	2	5·3
	Roches Point...	44	39	*	0·1	3	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except Greenwich & Hampstead rainfall, 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	crs,cr,r	orrcrm,	orrm,c	41	37	35	7	6	0·0	*	*	6
Croydon	217	orsrsrm,	cm,r,r.	orrorc	39	36	34	6	8	0·0	*	*	6
Greenwich (Royal Observatory) ...	149	rscps	cd,	crddc	40	36	33	0·3	3	0·0	70	74	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	41	36	35	4		0·0	65	64	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	41	35	35	4		0·0	73	73	*
Camden Square	110	crsc	cor	*	40	38	34	1	2	*	*	*	*
Kensington	80	orf	orscor	*	41	37	33	2	4	0·0	At 18h. 77		*
Hampstead Observatory	450	ors	ors	*	40	34	29	2	1	0·0	68	81	*

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 25th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 26th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1007·9	ESE	4	c	39	1005·5	E	2	c	32
Brussels	1011·8	ESE	3	c	36	1008·3	SE	4	c	32
Berlin	1018·2	ENE	3	0	32	1021·7	E	2	0	23
Zürich		ENE	1	b		1015·2	E	1	bc	14
Rome	1014·5	NE	2	b	45	1017·5	NE	1	b	30

Stations	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
Paris	46	32	-	-
Brussels	43	32	-	-
Berlin	32	21	1	1
Zürich	37	14	-	-
Rome	52	27	-	-

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 26th

South Kensington.	Max.	Time.	Min.	Time.
	0·6	8h-11h 25th	Nil	0h-7h 26th

Kew Observatory.	Max.	Time.	Min.	Time.
	0·2	14h-19h 25th	<0.1	1h 26th

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 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.

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

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

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

‡1 hr. observations are from Valentia W/T station † Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 27th February 1933.

No. 26030

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

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)	998·3	-14	SE	5	ir	42	75	6	6	2	-	4-6	10	1500
	Croydon	999·5	-10	SE'E	4	r₀r₀	42	85	6	6	2	-	7-8	10	2500
	S. Farnborough	997·4	-10	SE	5	rr	41	95	6	6	-	-	10	10	1500
	Winchester	995·8	-2	SE'S	6	r₀r₀	41	95	7	6	-	-	10	10	800
	Boscombe Down	994·5	-2	SE	6	r₀r₀	40	95	6	6	2	-	9+	10	450
	Calshot, S'thmtn	995·8	+2	SE	6	ir₀	42	85	6	6	2	-	4-6	10	800
	Dungeness	*	*	SSE	6	rr	*	*	6	5	-	-	10	10	800
	Lympne	1002·1	-4	SE'S	5	ir₀	40	75	6	5	2	-	2-3	10	4000
2	Shoeburyness	1001·4	-4	SE	4	c	42	75	6	5	2	-	2-3	10	2500
	Felixstowe	1003·0	-8	ESE	5	o	40	75	7	5	-	-	10	10	2500
	Gorleston	1004·8	-6	SE'E	6	c	38	95	6	5	-	-	9+	9+	2500
	Cranwell	1000·0	-18	E'S	5	o	35	95	6	5	-	-	10	10	800
3	Birmingham	995·3	-14	ESE	4	ss	33	95	5	6	-	-	10	10	800
	Upper Heyford	996·2	-20	SE	5	rr	39	95	6	6	-	-	10	10	800
4	Ross-on-Wye	993·3	-16	SE'E	3	r₀r₀	39	95	6	6	-	-	10	10	2500
5	Portland Bill	993·4	+10	SSW	6	c	45	95	7	4	-	-	7-8	7-8	1500
	Plymouth	993·6	+18	NW₀	4	c	39	85	8	5	7	-	9+	9+	1500
	The Lizard	994·4	+10	W'N	3	c	43	85	8	4	1	8	4-6	10	4000
	Scilly (St. Mary's)	994·7	+2	S'E	1	c	46	75	8	8	7	-	7-8	9	4000
	Guernsey	995·4	+20	SW	2	o/r	43	95	7	5	-	-	10	10	2500
6	Pembroke	994·4	-6	NNE	2	bc	41	85	8	7	7	1	4-6	4-6	4000
7	Holyhead	995·3	-22	E	4	r₅	36	95	6	6	1	-	2-3	10	450
	Chester (Sealand)	995·4	-22	SE'E	4	r₅	35	95	5	6	-	-	10	10	800
8	L'pool (Bidston)	994·9	-22	ESE	5	r₅	35	95	6	5	-	-	10	10	450
9	Harrogate	1000·4	-6	E	3	sf	33	95	3	6	-	-	10	10	<150
10	Spurn Head	1001·0	-6	SE	6	cq	38	85	6	5	2	-	4-6	10	800
	Catterick	1001·2	-18	E'N	4	r₀r₀	36	85	6	6	-	-	10	10	800
	Tynemouth	1003·4	-12	SE	6	o	39	95	6	6	-	-	10	10	1500
11	Inchkeith	1004·3	-8	E	6	c	39	85	7	6	2	-	7-8	9+	1500
	Leuchars	1007·1	-8	E	5	c	40	75	6	6	2	-	7-8	10	1500
12	Renfrew	1002·2	-18	NE	5	r₀r₀	37	85	5	6	-	-	10	10	800
	Eskdalemuir	1000·8	-16	E'N	7	c/s	35	85	6	5	2	-	7-8	10	800
13A	Tiree	1002·0	-12	E	6	rs	37	85	7	5	-	-	10	10	800
13B	Stornoway	1007·6	-14	E	6	pr₀	40	75	8	8	2	-	7-8	10	1500
15	Dalwhinnie	1006·3	-14	SE	6	ls₀	35	95	6	4	-	-	10	10	800
	Aberdeen	1008·7	-18	ESE	6	c	40	75	7	6	2	-	4-6	10	1500
	Wick	1011·2	-10	SE	7	c/rs	39	95	8	6	2	8	7-8	10	1500
16	Lerwick	1018·6	-6	E	6	c	36	65	7	5	-	-	9+	9+	1500
17	Blacksod Point	996·0	-14	E	5	c	43	95	8	2	6	-	4-6	7-8	1500
18	Malin Head	998·3	-8	E'N	4	cz	40	85	7	5	-	-	9+	9+	1500
	Aldergrove	997·7	-16	NE'N	2	o	35	85	6	5	-	-	10	10	1500
	Donaghadee	997·5	-20	ESE	6	ir	36	95	7	6	-	-	10	10	800
19	Birr Castle	994·7	0	NNW	1	bc	41	95	8	-	4	-	-	4-6	-
20	Valentia Obsy.	991·7	+6	ESE	4	bc	45	65	8	8	6	1	2-3	4-6	1500
	Roches Point	994·7	+6	SE	4	bc	45	75	8	3	-	-	4-6	4-6	1500

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

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)	999·4	+10	SE	4	rr	41	95	5	6	2	-	7-8	10	1500	1	*
	Croydon	999·5	+2	ESE	4	r₀r₀	40	95	6	6	2	-	7-8	10	1500	1	*
	S. Farnborough	998·6	+10	SSE	4	rr	42	95	6	6	-	-	10	10	450	2	*
	Winchester	997·3	+12	S'E	4	rr	43	95	6	6	-	-	10	10	800	2	*
	Boscombe Down	996·7	+16	S'E	4	ir	41	95	6	6	2	-	9+	10	800	1	*
	Calshot, S'thmtn	997·1	+6	SE	4	rr	43	95	6	6	2	-	7-8	10	800	1	4
	Dungeness	*	*	SSE	6	RR	*	*	5	5	-	*	10	10	800	*	4
	Lympne	1002·0	0	ESE	5	rr	40	85	6	6	2	-	9	10	2500	1	*
2	Shoeburyness	1001·5	+4	SSE	4	rr	39	95	6	6	2	-	7-8	10	1500	1	*
	Felixstowe	1002·5	0	SE'E	5	r₀r₀	41	85	6	5	2	-	7-8	10	2500	0	4
	Gorleston	1004·1	+4	SE'E	6	c	41	85	6	5	2	-	4-6	10	2500	0	4
	Cranwell	999·1	0	SE'E	6	r₀r₀	36	95	6	6	-	-	10	10	450	3	*
3	Birmingham	996·3	+6	SSE	4	o	38	95	6	6	-	-	10	10	800	7	*
	Upper Heyford	997·6	+14	SE	4	r₀r₀	40	95	6	6	-	-	10	10	800	6	*
4	Ross-on-Wye	996·2	+26	SSW	2	c	37	95	6	6	1	-	4-6	10	1500	6	*
5	Portland Bill	996·3	+16	SW	4	r₀r₀	43	95	7	5	-	-	10	10	1500	2	5
	Plymouth	995·5	+12	NNE	1	c	41	85	8	5	1	-	4-6	10	1500	1	1
	The Lizard	995·2	+2	E'S	2	c	41	85	8	2	2	8	2-3	10	4000	1	2
	Scilly (St. Mary's)	994·9	+2	SSE	2	c	42	85	8	3	7	-	2-3	9+	2500	0	1
	Guernsey	996·1	0	-	0	rr	42	95	7	6	-	-	10	10	1500	2	3
6	Pembroke	995·1	+8	-	0	bc	38	85	9	4	7	-	2-3	4-6	4000	0	1
7	Holyhead	995·5	+10	SW	2	c	38	85	6	4	-	3	9	9	2500	1	0
	Chester (Sealand)	994·7	+2	SSE	1	f	35	95	2	6	-	-	10	10	800	3	*
8	L'pool (Bidston)	994·5	+4	SE'S	3	dodo	36	95	5	5	-	-	10	10	460	6	*
9	Harrogate	998·4	-6	ESE	2	s₀s₀	33	95	4	6	-	-	10	10	<150	9	*
10	Spurn Head	999·2	0	SE	6	r	39	95	5	3	2	-	7-8	10	800	1	5
	Catterick	998·9	-10	SE'E	4	r₀r₀	35	95	6	6	-	-	10	10	800	3	*
	Tynemouth	1000·7	-16	SE	6	rr	39	95	6	6	-	-	10	10	1500	1	5
11	Inchkeith	1000·5	-20	E	6	rr	37	95	7	6	-	-	10	10	1500	1	4
	Leuchars	1003·5	-18	E	7	rs	38	95	6	6	2	-	7-8	10	800	1	*
12	Renfrew	998·0	-22	ENE	5	r₀r₀	36	95	6	6	-	-	10	10	800	1	*
	Eskdalemuir	997·4	-16	E'S	7	rs	34	95	6	5	2	-	7-8	10	800	8	*
13A	Tiree	997·3	-24	E'N	6	r₀r₀	39	85	6	6	2	-	7-8	10	800	1	5
13B	Stornoway	1004·4	-12	ENE	6	c	39	75	8	8	2	-	4-6	10	1500	1	4
15	Dalwhinnie	1003·4	-20	SE	6	ls₀	34	95	6	4	-	-	10	10	800	9	*
	Aberdeen	1006·2	-16	ESE	6	r₀	40	85	7	6	2	-	7-8	10	1500	6	5
	Wick	1009·5	-10	SE	7	r	40	95	7	9	2	-	7-8	10	1500	1	4
16	Lerwick	1016·1	-20	E	6	ir₀	38	95	6	9	-	-	10	10	800	3	*
17	Blacksod Point	995·4	-2	E	4	bc	41	95	7	5	7	-	2-3	4-6	1500	.	.
18	Malin Head	994·1	-30	E	4	rs	35	95	6	8	2	-	9	10	450	2	1
	Aldergrove	994·0	-18	-	0	ss	32	95	3	6	-	-	10	10	800	7	*
	Donaghadee	993·8	-18	SE	4	ls₀	39	95	7	6	-	-	10	10	800	1	3
19	Birr Castle	993·5	-6	NNW	1	b	38	95	8	-	4	-	-	1	-	3	*
20	Valentia Obsy.	991·8	-2	E'S	4	pr	41	85	8	6	-	-	9	9	1500	1	1
	Roches Point	994·4	-6	SE	3	bc	41	85	8	3	-	-	4-6	4-6	1500	0	4

PAST 24 HOURS. — WEATHER.

Stations. (For heights see p. 4.)	7h.–13h. 26th (37)	13h.–18h. 26th (38)	18h. 26th to 1h. 27th (39)	1h.–7h. 27th (40)
London (Kew)	cmo r r	ccrr mo	oir mo	r₀r₀ mo
Croydon	cmo r₀	crr r₀r₀ mo	orr	orr r₀m
S. Farnborough	oir₀ rr	orr mo	orr mo	orr mo
Winchester	orr r₀m	r₀r₀ mo rr	orr mo	orr mo
Boscombe Down	orr r₀r₀	or₀r₀ cir	orr mo	orr
Calshot, S'thmtn	crr mo	or₀r₀ m₀	orr mo	rr R
Dungeness	0	r	*	0
Lympne	cm₀	crr mo	crr r₀m₀	r₀r₀ m
Shoeburyness	cm₀	cm₀ rr	cr₀m₀	cir
Felixstowe	c	cr r₀r₀ m₀	cr r₀m₀	c
Gorleston	cq	cq	cor₀ r₀q	or₀cq
Cranwell	r₅₀0	r₀r₀	orr m₀	orr mo
Birmingham	or₅ ss	o5₀	or₀r₀	or₀r.
Upper Heyford	r₅₀ rr	rr r₀r₀	r₀r₀r	r₀r₀r
Ross-on-Wye	srr	r₀oc	cor	rr
Portland Bill	orrc	cir0	orr	rr
Plymouth	or₅cr₀	c	cod₀drr	orrb
The Lizard	rr bcc	c	c	cw.
Scilly (St. Mary's)	bcc	c	cbc	bcc
Guernsey	ordir	orr	orr pr	oir bc
Pembroke	cq b c	bc bc v	bcc	cir₀bm₀
Holyhead	cr₅₀ r₅₀	r₅₀r₀ cm₀	cm₀	bccr₀
Chester (Sealand)	or₅ 5f	or₀rf	or₀fm	omrr
L'pool (Bidston)	of₅ r₅	r₅ord		om₀R
Harrogate	off ss	of m ss	o5₀ s r	orr
Spurn Head	q pr₀	q pr cr	orr	coir
Catterick	o5₀ m₀ r₀r	o₅ r₅ m₀	om₀rr	m₀rr
Tynemouth	oq	orr q	orr q	prr q
Inchkeith	cq	cir₀ 90	r₀0	pir₀c
Leuchars	cr₅ q cm₀ q	cp₀r₅ q		or₀r₀ q m
Renfrew	or₅₀ r₀r₀	or₀r₀	r₀r₀ q c	cir₀r m₀
Eskdalemuir	o5₅ c	cp5cr5	cr5 c	oor5
Tiree	cr₀5 co	crr	crr iR	c
Stornoway	cpr5	c	cpr	c
Dalwhinnie	15	15	*	15
Aberdeen	cir₀q	cir₀q	orr q	prr q
Wick	cir5	cir q	cir r r	cir
Lerwick	c	cir₀m₀	cir₀m₀	cor₀m₀
Blacksod Point	bc q	bc	bc	bc
Malin Head	cz p₀	cr5 r5	cp r5 r	bc z₀
Aldergrove	cm₀	r₀o5 5 f	o5 5 f c	cm₀
Donaghadee	co ir q	oir5₀		bcc
Birr Castle	c bc 2	bc b	bx	bx
Valentia Obsy.	cir₀ p₅ c bc	bcc pr	pr	pr
Roches Point	bc	bc p bc	c p bc	bc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s₀, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s₀/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
R, heavy rain. r_0, 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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu 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.
"t r" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
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.

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.*

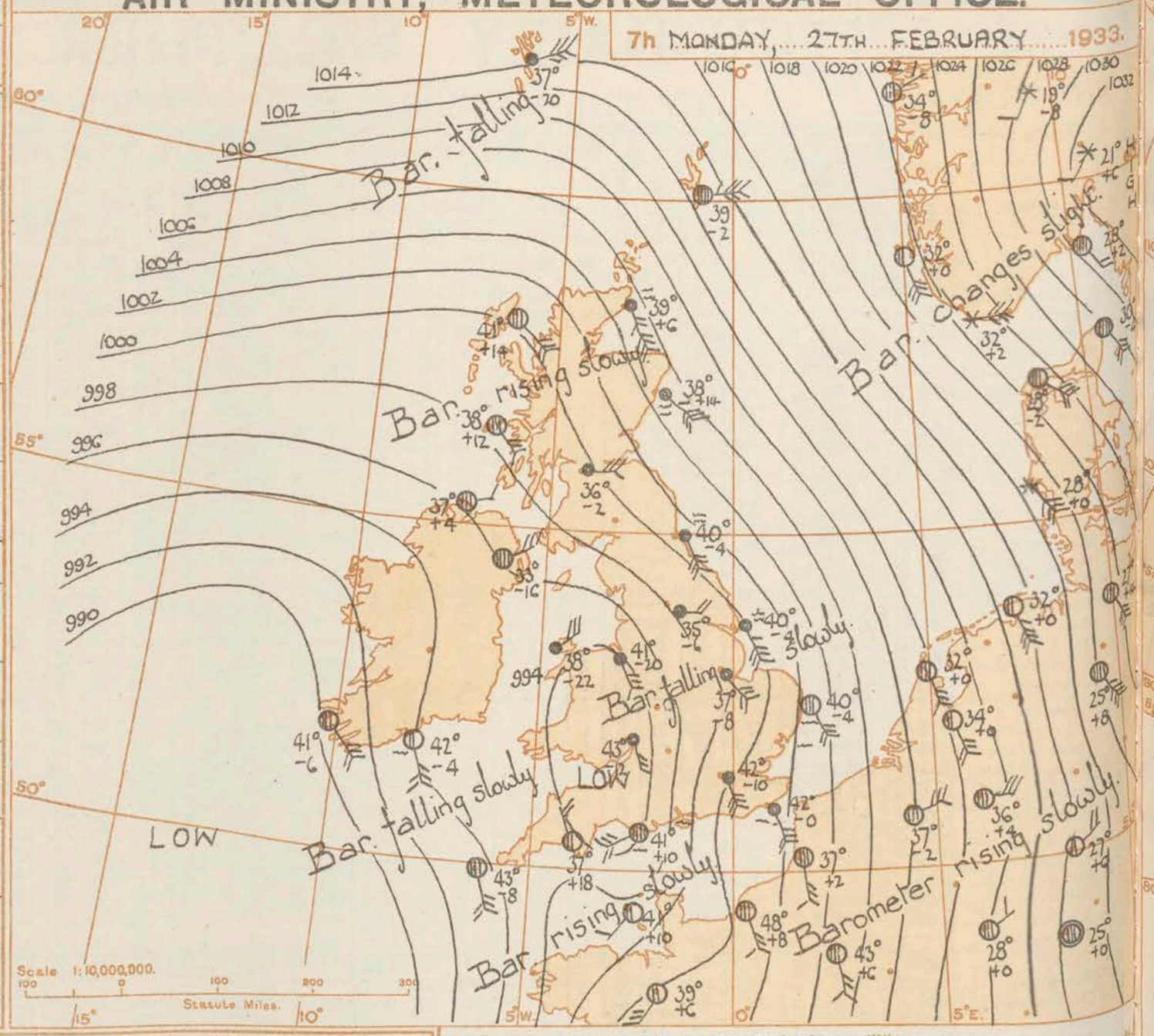
REPORTS from HEALTH RESORTS for 26th February 1933.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 25th to 9h. 26th	Temperature. Max. 9h.—17h. 26th	Rainfall. Night. 17h. 25th to 9h. 26th	Rainfall. Day. 9h.—17h. 26th	Sunshine. Sunrise to 17h. 26th	Sunshine. Sunrise to Sunset. 25th.
1	Tunbridge W.	oor	or	34	42	3	6	0·0	0·0
	Bournemouth	od	od	36	42	9	1	0·0	0·2
	Ventnor ...	or	or	34	43	14	3	0·0	0·0
	Southsea ...	orr	orr	35	43	16	4	0·0	0·0
	Bognor Regis	rr	rr	37	42	4	7	0·0	0·0
	Littlehampton	cr	cr	40	43	3	8	0·0	0·0
	Worthing ...	rr	rr	39	43	3	5	0·0	0·0
	Brighton ...	or	rr	39	43	2	6	0·0	0·0
	Eastbourne†	or	rr	39	43	0·5	6	0·0	0·0
	Hastings† ...	oco	orr	38	42	0·3	4	0·0	0·1
	Folkestone ...	o	or	36	41	-	4	0·0	0·9
	Dover... ...	o	or	37	42	-	2	0·0	2·6
	Deal	o	or	36	42	-	0·3	0·0	0·1
	Ramsgate ...	o	or	35	42	-	1	0·0	1·3
	Margate ...	c	cd.	36	43	-	Trace	0·0	1·3
2	Southend ...	o	or	36	42	-	1	0·0	0·0
	Maldon ...	o	or	36	41	-	3	0·0	0·0
	Clacton-on-Sea	ccog	r.	36	40	-	0·2	0·0	0·1
	Dovercourt ...	oc	do b	37	40	-	Trace	0·0	0·5
	Lowestoft ...	c	c	36	41	-	-	0·0	0·0
	Skegness ...	om.	om.r	35	41	Trace	0·5	0·0	0·0
	Mablethorpe	o	or	37	38	-	?	0·0	0·0
	Cleethorpes...	o	orr	34	39	0·2	1	0·0	0·3
3	Leamington S.	rs	rsra	33	41	4	6	0·0	0·0
4	Cheltenham†	mrrs	or.om	33	42	7	8	0·0	0·0
5	Bath	rrc	cb.	34	45	13	6	0·0	0·0
	Weymouth ...	rc	c	38	46	10	0·1	0·1	0·0
	Jersey ...	rc	r	33	44	8	6	0·0	0·0
	Torquay ...	r.ror	mordbc	34	44	28	1	1·2	0·9
	Penzance ...	r.c	bcc	35	44	3	-	0·7	1·7
	St. Ives ...	o	o	35	43	1	-	0·0	1·8
	Bude	rc	o	39	46	3	Trace	0·2	4·0
	Ilfracombe ...	ors	o	33	42	8	?	?	4·8
6	Aberystwyth	ccors	orscc	34	38	1	6	0·3	5·0
7	Llandudno ...	s.s	doc	33	38	-	5	0·0	1·2
	Colwyn Bay...	oss	soc.bc	33	37	1	1	0·2	1·0
	Rhyl	os rs	orsc	34	37	0·4	4	0·0	0·0
8	Wallasey ...	srsr	rro	33	38	1	14	0·0	0·0
	Southport‖ .	so	so	33	38	1	10	0·0	0·0
	Blackpool ...	ors	or	33	37	4	7	0·0	0·0
	Morecambe ...	rsosr	rsosr	34	38	1	3	0·0	0·0
9	Ilkley... ...	ss	ss	31	33	27	14	0·0	0·0
10	Berwick-on-T.	or	o	35	40	4	1	0·0	0·0
11	Dunbar ...	crr	rr	34	40	7	1	0·0	0·0
12	Troon... ...	rorg	orors	35	39	0·3	3	0·0	0·0
	Douglas ...	oid ss	or.mg	35	38	-	9	0·0	0·0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h MONDAY, 27TH FEBRUARY 1933.



Barometer. Isobars are drawn for intervals of two millibars.
Wind. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— Temperature is given in degrees F.
Weather Symbols :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 1/5 clouded. Sky 1/5 to 1/2 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm.
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 Feb. 1933.
1. S.E. England 2. E. England... 3. E. Midlands	Moderate or fresh southerly wind; occasional rain, bright intervals; moderate temperature.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Wind variable to southerly, fresh locally; occasional rain, bright intervals; rather low to moderate temperature.
8. N.W. England 9. N. Midlands 10. N.E. England	Moderate or fresh southeasterly winds; dull, some rain; probably bright intervals later; milder.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotld. / B. N.W. Scotland. 14. Mid-Scotland 15 N.E. Scotland 16. Orkneys and Shetlands.	Fresh or strong east or southeast wind; gale locally on coast; cloudy or dull, some rain; sleet or snow locally at first on hills; rather low to moderate temperature.
17. N.W. Ireland 18. N.E. Ireland	Wind easterly to variable, moderate or fresh; cloudy or dull, some rain; rather low to moderate temperature.
19. S.E. Ireland 20. S.W. Ireland	Wind southeasterly or variable, moderate or fresh; occasional rain, bright intervals; rather low or moderate temperature.

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

GENERAL INFERENCE.

A depression is centred off the Southwest of Ireland and a secondary over Wales is rotating counter-clockwise round the primary system. Weather will be unsettled generally but bright intervals are probable locally.

FURTHER OUTLOOK.

Unsettled.

Time of issue of Gale Warning.

South Cone at 0905 on 26th in districts 1, 2, 10, 11, 13A, 13B, 15, 16 and 18

Forecasts issued at 1000 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

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

Morning of
MONDAY,
27TH FEBRUARY
1933.

Clarke's Projection Scale 1 : 4×10^7 along meridian at 55°N.
Statute Miles 0 100 200 300 400 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.
⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 27th February 1933.

No. 28030

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

Dist.	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. (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	999.8	-4	ESE	3	rr	43	95	7	6	2	-	4.6	9	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	996.7	-14	ESE	5	ro ro	42	95	6	6	-	-	10	10	450
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1001.9	-2	SE'E	3	ir o	42	85	5	6	-	-	10	10	450
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1004.0	0	ESE	6	ro ro	39	95	6	56	-	-	10	10	1500
	Cranwell	240	1000.5	-2	ESE	4	rr	36	95	6	6	-	-	10	10	450
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	993.9	-8	SE	4	rr	46	95	7	5	-	-	10	10	1500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	222	995.0	-4	E'N	2	c	40	85	8	5	-	-	10	10	2500
	Scilly (St. Mary's)	163	994.8	-6	SE'S	2	bc	40	85	8	5	-	-	2.3	2.3	4000
	Guernsey	175	993.7	-18	SSE	4	o/pr	47	85	6	5	-	-	10	10	2500
6	Pembroke	142	996.3	-2	NE	1	c	35	95	7	5	2	-	4.6	9	2500
7	Holyhead	26	998.4	+6	-	0	c	38	85	6	5	-	-	7.8	7.8	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1001.6	0	SE	6	o/r	36	95	6	6	-	-	10	10	1500
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	67	1001.1	+8	SE	6	rr	39	95	6	6	-	-	10	10	1500
11	Inchkeith	190	1001.0	+8	ESE	4	o	38	85	8	5	-	-	10	10	1500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew		*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13a	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13b	Stornoway	34	1000.0	-20	E	8	c	40	85	7	8	2	-	7.8	10	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1005.0	-18	SE	8	rr	39	95	7	6	2	-	7.8	10	1500
16	Lerwick	54	1014.3	-2	E	7	c	40	75	6	5	2	-	4.6	10	800
17	Blacksod Point	18	995.3	0	E	3	b	37	95	7	-	-	-	0	0	-
18	Malin Head	52	994.9	+18	S'E	3	bc	34	85	6	5	-	-	2.3	2.3	800
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	991.7	-6	N'E	3	bc	40	95	8	5	-	-	4.6	4.6	2500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
998.3	+0	SE'E	4	ir	43	85	6	6	2	-	7.8	10	1500	1	*
~~1000.3~~ 999.3	-10	SE'E	5	ro ro	42	85	6	6	1	-	4.6	9	1500	1	*
~~1000.8~~ 999.8	-2	SES	5	rr	43	95	6	6	-	-	10	10	800	2	*
995.0	-4	SSE	6	rr	44	95	6	6	-	-	10	10	800	2	*
994.1	-6	SE'S	6	ro ro	43	95	7	6	-	-	10	10	450	1	*
994.8	+2	SSE	6	c/r	45	85	6	5	2	-	7.8	10	800	1	4
*	*	SE	5	r	*	*	6	3	8	*	7.8	9+	1500	*	4
1001.1	-0	SE	5	ro ro	42	75	6	6	2	-	9	10	2500	1	*
1000.7	-4	SE	4	ir	40	85	7	5	2	-	2.3	10	1500	1	*
1001.6	-2	SE'E	5	c	40	85	5	5	7	-	4.6	9+	~~5000~~ 5700	0	4
1003.4	-4	SE'E	6	c	40	85	6	5	-	-	9	9	2500	1	4
998.5	-8	ESE	5	ro ro	37	95	6	6	-	-	10	10	450	6	*
~~999.8~~ 998.8	-6	SE	4	ro ro	40	95	6	6	-	-	10	10	450	3	*
996.1	-8	SE	5	ro ro	42	95	6	6	2	-	9	10	800	1	*
993.3	-12	SE	3	rr	43	95	6	6	-	-	10	10	2500	1	*
994.4	+10	WSW	5	o	41	95	7	5	-	-	10	10	1500	2	4
995.5	+18	NW	2	bc	37	95	7	7	3	-	2.3	2.3	4000	1	2
994.7	+0	S'E	4	c	42	75	8	8	6	8	4.6	10	4000	1	2
993.1	-10	S'E	5	c	43	85	8	8	-	-	7.8	7.8	4000	0	2
997.7	+10	SW	1	bc	41	75	8	8	-	-	4.6	4.6	2500	1	3
993.3	-8	NNE	1	bc	36	95	6	5	7	-	2.3	4.6	2500	1	1
994.8	-22	NE	3	rr	38	95	6	6	2	-	7.8	10	1800	1	2
993.9	-20	SES	4	rr	41	95	5	6	-	-	10	10	800	3	*
993.4	-20	SE'E	5	RR	40	95	5	6	-	-	10	10	1500	6	*
999.0	-6	E	2	ro ro	35	95	5	6	-	-	10	10	2500	9	*
999.5	-4	SE	7	ir o	40	75	6	6	2	-	7.8	9+	1500	1	5
999.5	-6	E'S	1	rr	36	95	5	5	-	-	10	10	800	7	*
1000.9	-4	SE	6	rr	40	95	6	6	-	-	10	10	1500	1	5
1001.0	-2	E	2	ir o	38	95	7	6	2	-	7.8	10	1500	1	3
1003.8	+0	E	6	rr o	40	95	5	6	2	-	9+	10	800	2	*
~~999.6~~ 999.8	-2	ESE	4	ir o	36	95	6	6	-	-	10	10	800	1	*
998.8	-10	E	4	rs	35	85	6	5	-	-	10	10	800	6	*
998.8	+12	ESE	4	c	38	85	6	5	2	-	2.3	10	1500	4	1
1000.8	+14	ESE	5	c	41	95	7	8	7	-	4.6	7.8	1500	1	3
1003.7	+8	SE	4	ir o	45	95	6	4	4	-	4.6	10	800	9	*
1005.0	+14	E'S	7	rr	38	95	6	6	-	-	10	10	800	6	6
1005.9	+6	SE	9	ir	39	95	7	9	2	-	7.8	10	1500	1	6
1013.8	-2	E	7	o	39	95	6	5	-	-	10	10	800	1	*
995.4	+2	E	3	bc	37	95	8	5	-	-	2.3	2.3	800	4	3
996.5	+4	E	1	c3	37	85	7	-	-	7	0	10	-	4	1
996.9	-16	ENE	3	c	33	95	5	5	-	-	10	10	800	8	*
996.3	-16	ENE	3	c	40	95	7	5	-	-	7.8	7.8	1500	0	2
994.2	-2	NNE	1	b	37	95	8	-	-	-	0	0	-	8	*
990.6	-6	E'S	5	c	41	75	8	8	-	1	7.8	7.8	1500	1	3
994.1	-4	SE	5	bc	42	85	8	3	-	-	4.6	4.6	1500	0	5

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 26th Hrs. (36)
44	41	39	4	3	0.0
44	40	39	6	7	0.0
42	40	39	11	10	0.0
43	42	39	11	14	0.0
42	39	36	9	18	0.0
43	41	41	8	8	0.0
43	40	*	2	1	*
40	40	38	5	1	0.0
42	39	37	1	1	0.0
41	39	37	Tr	0.3	0.0
41	39	38	-	0.5	0.0
36	35	34	3	9	0.0
38	37	33	9	11	0.0
40	39	37	6	6	*
41	35	33	~~19~~ 15	16	0.0
46	40	*	5	9	*
42	~~40~~ 35	~~35~~ 34	3	4	1.3
44	38	*	1	Tr	*
46	39	*	-	-	2.8
40	41	37	6	6	0.0
44	35	*	-	0.3	2.5
39	37	34	2	3	0.0
36	35	32	14	6	0.0
36	35	34	14	6	0.0
34	33	35	38	13	0.0
39	35	*	0.4	11.0	0.0
36	35	30	13	~~11~~ 15	0.0
41	39	36	3	14	*
39	36	34	Tr	2	0.0
40	37	36	2	11	0.0
40	35	33	4	1	0.0
35	34	32	12	5	0.0
39	37	34	3	4	0.0
41	39	*	0.2	Tr	0.0
36	35	30	1	5	0.0
41	39	36	Tr	18	0.0
41	38	*	2	5	*
39	37	*	0.5	2	0.0
44	35	*	*	-	*
40	32	*	5	3	0.0
36	27	24	4	0.2	0.0
40	36	*	11	-	*
41	25	17	-	-	4.5
46	39	37	1	1	4.1
46	40	*	0.1	0.2	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 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	cmor r	ccrr mo	oi rom	44	41	39	4	3	0.0	*	*	6
Croydon	217	cmor o	cr or o mo	or r rom	44	40	39	6	7	0.0	*	*	6
Greenwich (Royal Observatory)	149	c	c d d	d d c	45	40	37	5	3	0.0	93	83	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park)	27	*	*	*	45	39	39	5		0.0	98	77	*
†Regents Pk. (Botanic Gardens)	168	*	*	*	45	39	39	4		0.0	91	85	*
Camden Square	110	o	or	*	41	40	39	3	1	*	*	84	*
Kensington	80	cor	or	*	44	41	38	3	3	0.0	At 18h. 85		*
Hampstead Observatory	450	or	or	or	42	39	35	4	1	0.0	93 *	85	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 27th

South Kensington. Max.	Time.	Min.	Time.
0.6	21-22h 26th	Nil	2-6h 27th

Kew Observatory. Max.	Time.	Min.	Time.
0.2	14h 26th	<0.1	1-6h 27th

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.

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 26th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 27th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1003.0	ESE	3	c	48	1004.3	SSE	4	c	43
Brussels	1006.7	ESE	3	c	43	1007.0	ENE	4	c	37
Berlin	1023.0	ENE	3	o	25	1025.5	E'N	3	o	23
Zürich	1013.4	NW	2	bc	32	1015.7	NNW	1	c	23
Rome						1017.8	NE	3	bc	32

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
48	36	-	-
50	30	-	-
25	23	-	-
41	21	-	-
	32		

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

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station. ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 28th February 1933.

No. 26031

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

Dist.	Stations. (For heights see p. 4.)	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)...	1003.6	+34	SSW	4	bc	47	65	7	5	-	9	4-6	4-6	4000
	Croydon ...	1003.4	+34	SSW	4	c	45	65	7	7	3	1	4-6	7-8	2500
	S. Farnborough	1002.9	+30	SW's	4	bc	48	65	9	7	-	3	1	4-6	1500
	Winchester ...	1002.3	+26	S	4	bc	47	65	7	7	-	-	4-6	4-6	2500
	Boscombe Down	1001.5	+26	S	4	bc	46	65	7	7	-	-	4-6	4-6	1500
	Calshot, S'thmtn	1002.8	+26	S	4	bc	47	65	8	7	3	4	2-3	4-6	2500
	Dungeness ...	*	*	SSW	4	c	*	*	7	8	-	*	9+	9+	450
	Lympne ...	1005.0	+18	SSW	4	c	44	95	7	6	7	-	7-8	9+	800
2	Shoeburyness	1004.0	+20	S'E	4	c	46	95	7	5	2	-	7-8	9+	1500
	Felixstowe ...	1004.8	+14	SE	4	c/r	41	85	7	5	2	-	7-8	9+	2500
	Gorleston ...	1004.2	+8	SE	5	c	41	85	6	5	-	-	10	10	1500
	Cranwell ...	1001.0	+14	SE'E	5	c	41	95	6	5	-	-	10	10	1500
3	Birmingham ...	1001.1	+36	SSW	4	c	37	85	6	6	2	-	4-6	10	800
	Upper Heyford	1002.0	+42	SSW	4	c	45	75	8	7	-	-	7-8	7-8	1500
4	Ross-on-Wye ...	1000.6	+32	SW's	3	bc	44	65	8	7	4	-	2-3	4-6	4000
5	Portland Bill...	1001.0	+16	S	4	c	45	95	8	4	-	-	7-8	7-8	2500
	Plymouth ...	9997.2	+2	SE's	5	c	46	85	8	5	7	-	7-8	9	1600
	The Lizard ...	9995.6	+4	S'E	5	pr.	48	85	7	8	6	-	7-8	9	2500
	Scilly (St. Mary's)	9999.0	0	S'W	6	c	48	85	8	8	4	3	7-8	9	2500
	Guernsey ...	1001.4	+10	SSE	4	bc	47	85	8	7	1	-	2-3	4-6	2500
6	Pembroke ...	996.7	+8	ESE	2	c	47	75	6	8	-	-	7-8	7-8	2500
7	Holyhead ...	9975	+30	SW's	4	c	42	85	6	5	-	-	9+	9+	1500
	Chester (Sealand)	9979	+38	SSW	3	bc	45	75	8	5	3	-	4-6	4-6	2500
8	L'pool (Bidston)	9980	+30	SW	4	bc	41	85	8	8	-	-	4-6	4-6	2500
9	Harrogate ...	1000.1	+6	SSE	3	c	38	95	5	6	2	-	9	10	2500
10	Spurn Head ...	1001.4	+2	SE	6	ir.	40	95	6	6	2	-	7-8	10	1500
	Catterick ...	9999	+4	ESE	4	ir.	38	95	5	5	-	-	10	10	800
	Tynemouth ...	1000.7	0	SE	6	o/r	41	85	6	6	-	-	10	10	1500
11	Inchkeith ...	999.1	-8	E	5	r.r.	40	85	6	6	-	-	10	10	800
12	Leuchars ...	1002.2	-2	E	6	ir.	40	85	5	6	2	-	9	10	450
	Renfrew ...	997.5	-8	ESE	4	c/r	40	85	6	5	2	-	9	10	1500
	Eskdalemuir ...	998.3	0	SE'E	5	c	36	85	6	5	2	-	7-8	10	1500
13A	Tiree	996.7	-18	E'N	4	rr	39	95	6	6	-	-	10	10	800
13B	Stornoway ...	1000.2	-4	ENE	5	c	40	85	8	8	7	-	7-8	9	1500
15	Dalwhinnie ...	1001.3	-12	SE	9	rr	35	95	6	4	-	-	10	10	800
	Aberdeen ...	1005.2	+10	SE	7	o	40	85	6	6	-	-	10	10	800
	Wick	1005.9	0	ESE	8	ir	40	95	6	9	2	-	7-8	10	1500
16	Lerwick ...	1014.4	+2	E'S	8	r.r.	38	95	5	6	-	-	10	10	800
17	Blacksod Point	994.6	-4	E	3	bc	41	95	7	7	-	-	2-3	2-3	2500
18	Malin Head ...	994.9	-12	-	0	r.r.	38	95	7	8	2	-	9	10	450
	Aldergrove ...	994.6	-10	NNW	2	r.s.	34	95	6	6	-	-	10	10	460
	Donaghadee ...	994.1	-14	SE	3	rr	43	95	7	6	-	-	10	10	800
19	Birr Castle ...	994.8	+2	NE	1	c	38	85	7	-	7	-	0	7-8	-
20	Valentia Obsy.	994.1	-2	E'S	6	c	43	75	8	5	2	-	7-8	9+	1500
	Roches Point...	993.6	-4	SE	5	c	43	85	8	6	-	-	7-8	7-8	1500

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

Dist.	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)...	1006.9	+24	SE's	3	c	44	75	5	5	2	9	1	7-8	2500	1	*
	Croydon ...	1007.0	+22	SE	2	bc	44	75	6	-	3	8	0	4-6	-	1	*
	S. Farnborough	1006.2	+22	SSE	2	c	44	75	6	5	-	-	9+	9+	4000	2	*
	Winchester ...	1005.1	+20	SE	3	c	44	75	8	4	-	-	9+	9+	2500	1	*
	Boscombe Down	1003.0	+12	SE	5	c	43	85	7	5	-	-	9	9	2500	1	*
	Calshot, S'thmtn	1004.6	+10	SE'E	5	c	44	75	8	7	-	8	7-8	9	4000	0	3
	Dungeness ...	*	*	SSE	2	c	*	*	7	8	8	*	4-6	9	800	*	3
	Lympne ...	1008.0	+20	SE	2	if	41	95	3	5	3	1	9	9+	4150	1	*
2	Shoeburyness	1007.8	+20	SSE	2	c	41	95	8	5	1	-	4-6	7-8	2500	1	*
	Felixstowe ...	1008.1	+18	SE	3	c	40	95	7	5	3	6	1	7-8	4000	1	2
	Gorleston ...	1008.1	+14	SE's	4	c	41	95	6	5	-	-	9	9	2500	0	3
	Cranwell ...	1006.1	+22	SE	2	bc	38	95	6	5	-	1	2-3	2-3	4000	6	*
3	Birmingham ...	1004.4	+14	SE	3	c	44	75	6	5	-	-	9+	9+	2500	16	*
	Upper Heyford	1005.2	+20	SSE	2	c	44	75	8	5	-	-	9+	9+	800	1	*
4	Ross-on-Wye ...	1002.6	+10	SE	4	c	45	75	8	6	-	-	7-8	7-8	4000	1	*
5	Portland Bill...	1002.6	+10	SSE	4	c	46	95	8	4	-	-	7-8	7-8	2500	1	4
	Plymouth ...	9999.3	+14	SE's	5	pr.	47	85	7	6	7	-	7-8	9	1500	1	4
	The Lizard ...	996.7	+8	~~ESE~~ S	5	c/pr	45	85	8	8	6	-	4-6	7-8	2600	1	4
	Scilly (St. Mary's)	994.0	+8	S	5	bc/pr	46	95	7	3	9	-	2-3	4-6	2500	1	4
	Guernsey ...	1002.7	+10	SSE	4	bc	46	85	8	7	-	-	4-6	4-6	2500	1	3
6	Pembroke ...	996.3	+8	SSE	4	c/pr	43	95	7	5	8	-	4-6	9+	1500	1	2
7	Holyhead ...	1000.8	+18	E	4	pr.	43	75	7	5	-	-	9+	9+	4000	1	2
	Chester (Sealand)	1002.7	+18	SE's	2	c	42	75	6	5	-	-	9	9	2500	1	*
8	L'pool (Bidston)	1002.9	+16	SE	3	bc	42	75	6	5	-	8	4-6	4-6	2500	1	*
9	Harrogate ...	1004.3	+14	SSE	1	b	36	85	4	-	-	-	0	0	-	9	*
10	Spurn Head ...	1005.8	+18	SE's	4	bc	40	95	6	-	2	8	0	4-6	-	0	3
	Catterick ...	1004.6	+30	-	0	b	36	95	5	-	-	-	0	0	-	3	*
	Tynemouth ...	1003.7	+24	SSE	5	c	42	85	6	6	-	-	7-8	7-8	1500	1	4
11	Inchkeith ...	1002.1	+12	SE	2	c	41	85	6	5	-	-	10	10	1500	0	3
12	Leuchars ...	1003.2	+10	SE	5	ir.	41	95	6	6	2	-	9	10	450	1	*
	Renfrew ...	1001.4	+~~20~~ 22	S	3	c	41	75	6	5	-	-	10	10	2500	1	*
	Eskdalemuir ...	1002.5	+30	SW	3	bc	36	85	6	5	-	-	4-6	4-6	1500	3	*
13A	Tiree	996.6	+6	SE'E	6	dr	41	95	6	6	2	-	7-8	10	450	1	4
13B	Stornoway ...	999.7	-6	ESE	6	c	42	85	7	8	8	-	4-6	9+	1500	1	3
15	Dalwhinnie ...	1001.4	+20	SE	7	RR	36	95	6	4	-	-	10	10	800	7	*
	Aberdeen ...	1006.1	+18	SE	6	rr	40	85	6	6	-	-	10	10	800	1	6
	Wick	1006.4	+4	ESE	8	ir	41	95	6	9	2	-	7-8	10	1500	1	6
16	Lerwick ...	1014.0	+2	ESE	7	c	40	85	6	9	-	-	9+	9+	800	1	*
17	Blacksod Point	995.5	+4	E	4	bc	41	95	7	5	5	9	2-3	4-6	2500	0	3
18	Malin Head ...	996.2	+18	W's	2	c	39	95	7	5	-	-	9+	9+	800	2	0
	Aldergrove ...	996.2	+36	SE	2	c	35	95	5	5	7	-	9+	9+	800	3	*
	Donaghadee ...	1001.5	+30	SE	2	c	36	95	7	5	2	-	4-6	9	1500	0	2
19	Birr Castle ...	994.9	+4	E	2	rr	38	85	6	6	-	-	10	10	1500	3	*
20	Valentia Obsy.	995.0	+2	E	4	c	43	75	8	5	-	1	4-6	7-8	1500	1	3
	Roches Point...	992.9	+4	SE	5	c	46	95	8	6	-	-	7-8	7-8	1500	1	6

PAST 24 HOURS.

Dist.	Stations.	Weather. 7h.–13h. 27th	Weather. 13h.–18h. 27th	Weather. 18h. 27th to 1h. 28th	Weather. 1h.–7h. 28th
		(37)	(38)	(39)	(40)
1	London (Kew)...	cm.bc	bcbbcm.	bcmm.	bcm.c
	Croydon ...	cr.m.id.	bc3.	cm.bc	bcam.pr.
	S. Farnborough	orr.bc	bc	cbcb	b-cir.
	Winchester ...	orm.cbc	bcc	cbcb	bbcc
	Boscombe Down	or.cbc	bcc	c	crc
	Calshot, S'thmtn	cm.bc	bc	cbw	bwbcp.
	Dungeness ...	o	bc	*	o
	Lympne ...	cr.rc	bccif	bccifof	off
2	Shoeburyness	cr.c	cbcc	bcb.	cm.
	Felixstowe ...	cr.	cbcc	c	crrcm
	Gorleston ...	cq	cq	corr	orr.
	Cranwell ...	oir.c	cp.bc	bcom.	cf.of
3	Birmingham ...	cr.c	cbcc	cbc	bco
	Upper Heyford	r.r.ddbc	bcc	c	cid.
4	Ross-on-Wye ...	rbccbc	c	cbco	codo
5	Portland Bill...	oc	c	bco	odbc
	Plymouth ...	bmcr.	cprpr.	cprprbc	bcprc
	The Lizard ...	cpr.	prc	clpr.	bcfpr
	Scilly (St. Mary's)	r.phr	cbcb	bcplr	cpqb
	Guernsey ...	bcb	bccpr	cprbc	cbc
6	Pembroke ...	cid.	cp.phiRcq	cbcq prf	bcbfbcq
7	Holyhead ...	r.r.cm.	cm.pr.	pr.bc	bc
	Chester (Sealand)	rRomd.c	b,c	cm.	cm.
8	L'pool (Bidston)	RRdmc	bcb	id.bc	bcc
9	Harrogate ...	rroc	cbm	b.	bFF
10	Spurn Head ...	cir	prc bc	cj	czfc
	Catterick ...	orrm.r.	or.bm.	bm.x	bm.of
	Tynemouth ...	oirq	oir.cq	cbc	bco
11	Inchkeith ...	cr.c	r.r.c	cbc	bcc
12	Leuchars ...	crrqm.	cir.qm.	bccb-b	bccm
	Renfrew ...	r.r.m.c	cr.cm.	cm.	cm.
	Eskdalemuir ...	orsrsc	c.oc	bc	bcc
13A	Tiree	crr	crrq	gm.id.	cid.
13B	Stornoway ...	cpr	cpr	cpr.	c
15	Dalwhinnie ...	rr	rr	*	ir
	Aberdeen ...	orq3.	orrq	orrq	om.
	Wick	cirm.	cirm.	cirm.	irmc
16	Lerwick ...	oirm.	orr.cirm.	coirm.	oirm.
17	Blacksod Point	bc	bc	bc	p.c
18	Malin Head ...	ocr.r	crr	bcpr.	cpr.
	Aldergrove ...	ors.r.	orsrm.	cirbm.	bm.
	Donaghadee ...	corr	orrc	oci.q	cprcq
19	Birr Castle ...	bc	corr	cir	irbc
20	Valentia Obsy.	c	c	irvirbc	bcc
	Roches Point...	bccp.c	crre	cpibc	bcpc

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, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
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 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—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 1/10 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 A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu 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 Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
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.

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.*

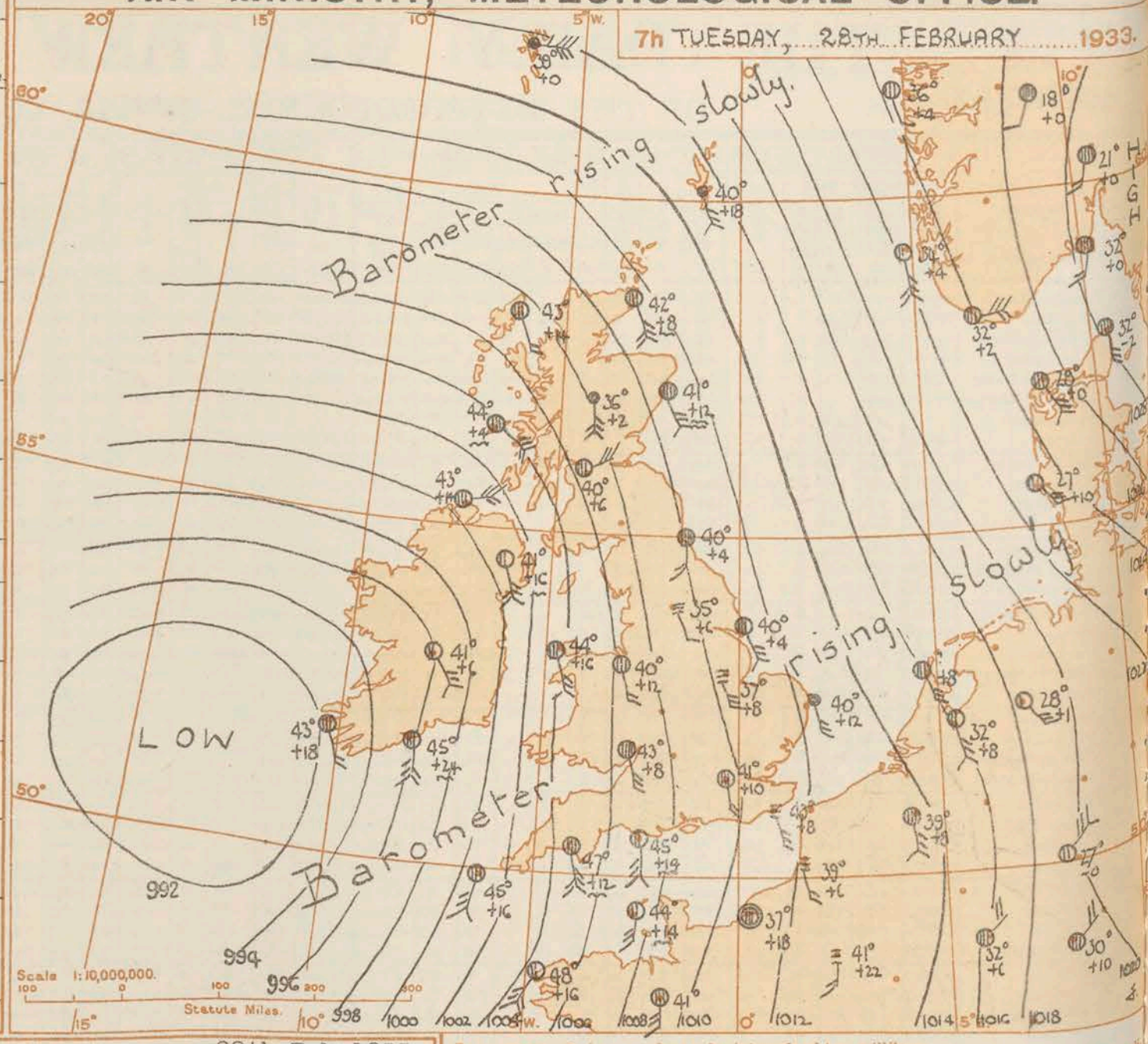
REPORTS from HEALTH RESORTS for 27th February 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 26th to 9h. 27th.	Temperature. Max. 9h.—17h. 27th.	Rainfall. Night. 17h. 26th to 9h. 27th.	Rainfall. Day. 9h.—17h. 27th.	Sunshine. Sunrise to 17h. 27th.	Sunshine. Sunrise to Sunset. 26th.
1	Tunbridge W.	odoc	bc	38	48	10	Trace	2·1	0·0
	Bournemouth	bbcc	bcc	40	50	9	-	4·6	0·0
	Ventnor ...	orcb	bcu	40	51	7	-	6·3	0·0
	Southsea ...	obcb	b	41	50	10	-	5·6	0·0
	Bognor Regis	ocb	b	40	47	10	-	6·2	0·0
	Littlehampton	cbc	bc	41	47	10	-	5·6	0·0
	Worthing ...	oc	bc	41	48	11	-	4·3	0·0
	Brighton ...	docbc	bcbbc	41	46	9	Trace	3·7	0·0
	Eastbourne†	oc	cbo	41	47	4	-	1·2	0·0
	Hastings† ...	od,oc	bc	41	47	3	0·3	1·4	0·0
	Folkestone ...	oir,	ocbc	39	46	1	Trace	0·6	0·0
	Dover... ...	cir,	cdc	38	45	0·2	Trace	0·0	0·0
	Deal	co	cobc	38	48	2	Trace	0·5	0·0
	Ramsgate ...	c	c	40	45	0·5	-	0·6	0·0
	Margate ...	c	cd,bc	38	47	1	Trace	0·8	0·0
2	Southend ...	cr	bbc	37	48	2	0·6	2·0	0·0
	Maldon ...	orc	cbc	38	50	3	1	1·7	0·0
	Clacton-on-Sea	cpc	cbc	37	42	1	-	0·5	0·0
	Dovercourt ...	oc	bc	39	44	Trace	-	1·2	0·0
	Lowestoft ...	?c	?c	37	43	0·2	-	0·7	0·0
	Skegness ...	om,	obcm,	36	43	6	-	0·6	0·0
	Mablethorpe	oc	bcm	37	43	11	-	0·5	0·0
	Cleethorpes...	or	roc	37	45	9	0·4	0·3	0·0
3	Leamington S.	ocbc	bc	33	47	10	-	2·7	0·0
4	Cheltenham†	orcbc	bcopc	36	46	14	Trace	2·6	0·0
5	Bath	cbcb	c	38	49	10	-	2·6	0·0
	Weymouth ...	bbc	cbccb	38	48	8	-	4·3	0·1
	Jersey ...	Rcbc	bcpc	41	48	4	0·3	7·0	0·0
	Torquay ...	rbc,bc	cbbcq	33	48	7	-	5·4	1·2
	Penzance ...	r,bcp	cbpr,	35	49	Trace	1	1·9	0·7
	St. Ives ...	p	p	36	49	Trace	3	1·6	0·0
	Bude	pbc	bcpc	35	49	2	1	3·1	0·2
	Ilfracombe ...	bbc	bccp	37	47	6	0·2	3·8	0·0
6	Aberystwyth	crc	cbcc	34	43	7	-	2·4	0·3
7	Llandudno ...	cbc	bc	33	44	8	-	4·1	0·0
	Colwyn Bay...	pcbc	bcc	32	42	0·5	-	3·0	0·2
	Rhyl	cr,bc	bbc	33	43	6	0·1	4·2	0·0
8	Wallasey ...	RRoc	bcb	34	46	10	0·3	4·2	0·0
	Southport‖ ...	ro	cbco	37	45	6	0·5	2·8	0·0
	Blackpool ...	oro	oc	34	44	8	0·2	1·8	0·0
	Morecambe ...	rroro	rbbcc	35	44	5	1	2·0	0·0
9	Ilkley... ...	o	o	32	41	23	-	0·0	0·0
10	Berwick-on-T.	or	co	36	41	11	1	0·0	0·0
11	Dunbar ...	mrr	cr,	37	42	10	1	0·0	0·0
12	Troon... ...	roro	ro	34	42	2	1	0·1	0·0
	Douglas ...	mom,	Rc,cb	33	43	12	3	1·6	0·0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h TUESDAY, 28TH FEBRUARY 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 28th Feb. 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Light or moderate southerly wind; cloudy, local showers, bright intervals; rather mild.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Moderate southerly wind, fresh locally; cloudy, some showers, bright intervals; moderate temperature.
9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate or fresh southeasterly wind; cloudy, occasional local rain or showers, bright intervals locally; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland	Moderate or fresh southeasterly wind; cloudy, some showers, bright intervals; moderate temperature.
19. S.E. Ireland 20. S.W. Ireland	As 5 - 8.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◎ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— ○Clear sky. ◔Sky less than 1/10 clouded. ◑Sky 1/10 to 5/10 clouded. ◕Sky 5/10 to 9/10 clouded. ●Overcast sky. ●Rain falling. ✳Snow. ✳Sleet ▲Hail ≡Fog ≡Mist. ϒThunder. ⚡Thunderstorm.
SEA DISTURBANCE. ⌒Rough. ≈High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A depression off Southwest Ireland is filling up. Winds will be mainly south or southeast. There will be occasional local rain or showers but bright intervals are probable in most districts.

FURTHER OUTLOOK.

None issued.

Forecasts issued at 1000 G.M.T.

G. C. SIMPSON, 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.

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 28th February 1933.

No. 28031

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

District.	Stations.	Height above M.S.L. in feet.	Barom. mp. at M.S.L. (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	1008·3	+4	SE'S	2	bc	41	85	7	-	7	-	0	4·6	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1006·4	+8	SE'S	4	b	43	85	7	-	-	-	0	0	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1009·7	+6	SE'S	2	of+	42	95	3	S	-	-	10	10	<150
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1010·6	+6	SE'E	4	r c	40	95	5	6	-	-	10	10	800
	Cranwell ...	240	1009·0	+8	ESE	2	c	35	95	5	S	2	-	2·3	7·8	1500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1004·6	+10	S	S	o	45	95	7	S	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1000·9	+10	S	S	bc	45	85	8	4	-	-	4·6	4·6	4000
	Scilly (St. Mary's)	163	998·0	+18	SSW	6	c/pr	46	95	7	3	-	-	7·8	7·8	2500
	Guernsey ...	175	1005·2	+12	SSE	4	bc/pr	44	95	8	8	-	-	4·6	4·6	2500
6	Pembroke ...	142	999·7	+12	SSE	5	bc	45	85	7	3	-	-	2·3	2·3	2500
7	Holyhead ...	26	1002·3	+8	SE	S	bc	45	75	7	S	-	-	4·6	4·6	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1008·6	+2	SE	4	c	40	85	S	S	2	-	4·6	7·8	800
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1008·9	+10	SW	2	bc	40	95	6	S	-	-	4·6	4·6	1500
11	Inchkeith ...	190	1008·2	+18	ESE	2	bc	38	95	7	S	-	-	4·6	4·6	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1005·1	+18	SE	S	c	43	75	6	8	7	-	4·6	7·8	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1008·2	+8	SE	8	ir	42	95	6	9	2	-	7·8	10	1500
16	Lerwick ...	54	1015·3	+6	SE	6	ir	39	85	6	6	-	-	10	10	800
17	Blacksod Point	18	995·3	-10	E	5	c	40	95	8	-	7	-	0	7-8	-
18	Malin Head ...	52	999·3	-6	ESE	4	C	42	95	7	8	-	-	9	9	800
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	989·6	-10	SE	1	ir	41	95	7	6	-	-	9	9	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)...	1010·0	+10	SE	2	C	40	85	6	5	1	8	7-8	9+	4000	1	*
	Croydon ...	1009·4	+10	SE	3	c/pr	41	95	6	5	1	-	7-8	9+	2500	1	*
	S. Farnborough	1009·6	+10	SE'E	2	O	41	95	6	5	-	-	10	10	1500	2	*
	Winchester ...	1009·0	+12	SSE	2	O	43	95	7	5	-	-	10	10	1500	1	*
	Boscombe Down	1007·9	+14	SSE	3	O	42	95	7	5	-	-	10	10	450	1	*
	Calshot (S'thmtn)	1008·0	+8	SSE	3	C	41	95	6	5	9	4	4-6	7-8	2500	0	2
	Dungeness ...	*	*	SW SE	3	C	*	*	6	8	8	*	4-6	9+	450	*	3
	Lympne ...	1011·1	+8	SE	3	f	43	95	3	5	-	-	10	10	225	1	*
2	Shoeburyness	1010·9	+10	SE	2	C	39	95	6	5	2	-	4-6	10	5700	1	*
	Felixstowe ...	1011·9	+10	SE	2	C	39	95	4	5	2	-	7-8	10	450	1	1
	Gorleston ...	1012·3	+12	SE'S	3	r	40	95	5	6	-	-	10	10	800	1	3
	Cranwell ...	1010·2	+8	SE'E	3	r	39	95	1	5	-	-	10	10	4150	6	*
3	Birmingham ...	1008·7	+6	SE	3	O	38	95	5	5	-	-	10	10	800	6	*
	Upper Heyford	1009·4	+18	E	2	fg	37	95	6	5	2	-	9	10	1500	1	*
4	Ross-on-Wye ...	1007·0	+8	SSE	3	O	43	95	7	6	-	-	10	10	1500	1	*
5	Portland Bill...	1007·0	+14	S	4	bc	45	95	7	4	-	-	4-6	4-6	1500	0	4
	Plymouth ...	1004·4	+12	S'E	5	c/pr	47	95	7	8	2	-	7-8	9	800	1	4
	The Lizard ...	1003·7	+10	SSW	5	r r	46	85	7	5	-	-	10	10	2500	1	3
	Scilly (St. Mary's)	1001·2	+16	S'W	4	c/pr	45	95	7	3	7	-	2-3	7-8	2500	1	3
	Guernsey ...	1007·6	+14	S	3	bc	44	95	8	8	-	-	4-6	4-6	2500	1	4
6	Pembroke ...	1000·8	+8	SSE	5	q	45	85	7	5	7	-	2-3	4-6	2500	1	3
7	Holyhead ...	1004·7	+16	SE'S	4	C	44	85	8	5	-	-	7-8	7-8	4000	1	2
	Chester (Sealand)	1006·8	+12	SE'E	2	C	40	85	5	5	-	-	9+	9+	1500	2	*
8	L'pool (Bidston)	1006·5	+12	SE	4	C	40	95	6	8	1	-	4-6	7-8	2500	0	*
9	Harrogate ...	1010·0	+6	SE	1	F	36	95	1	5	-	-	10	10	4150	9	*
10	Spurn Head ...	1009·9	+4	SE	4	C	40	95	5	5	2	-	4-6	10	800	0	3
	Catterick ...	1010·3	+10	-	0	F	30	95	1	-	1	2	0	7-8	-	8	*
	Tynemouth ...	1010·0	+4	S	2	O	40	95	6	5	-	-	10	10	1500	1	3
11	Inchkeith ...	1009·4	+8	NE	1	C	38	95	6	5	3	-	7-8	9+	1500	0	2
	Leuchars ...	1011·8	+12	E	3	C	41	95	4	5	2	-	4-6	10	450	1	*
12	Renfrew ...	1007·5	+6	ENE	3	C	40	85	6	5	7	-	4-6	7-8	4000	1	*
	Eskdalemuir ...	1008·8	+8	E'N	4	C	36	85	6	5	7	-	4-6	7-8	1500	6	*
13A	Tiree	1003·8	+4	ESE	5	C	44	75	6	5	7	-	9	9+	1500	1	4
13B	Stornoway ...	1007·7	+14	SE	2	C	43	75	7	8	2	-	4-6	9	1500	1	2
15	Dalwhinnie ...	1008·6	+2	S	5	ir	36	95	7	4	2	-	4-6	10	800	8	*
	Aberdeen ...	1012·1	+12	SE	4	O	41	95	6	5	-	-	10	10	450	1	6
	Wick	1011·2	+8	SE	5	C	42	95	7	8	1	-	7-8	9	1500	1	4
16	Lerwick ...	1015·8	+8	SSE	4	ir	40	95	6	9	-	-	10	10	800	1	*
17	Blacksod Point	994·5	0	ESE	5	C	43	95	9	5	-	-	9+	9+	800	0	4
18	Malin Head ...	1000·1	+14	E	5	C	43	95	7	5	-	-	9+	9+	800	2	2
	Aldergrove ...	1001·8	+16	SE SE	5	bc	41	85	6	8	-	-	2-3	2-3	1500	3	*
	Donaghadee ...	1002·7	+10	SSE	8	cq	44	85	7	5	-	-	7-8	7-8	1500	1	4
19	Birr Castle ...	995·1	+6	ESE	4	bc	41	95	7	3	-	-	4-6	4-6	2500	6	*
20	Valentia Obsy.†	992·3	+18	SSE	2	C	43	85	8	8	7	-	4-6	7-8	1500	1	2
	Roches Point...	996·1	+24	S	5	C	45	85	8	8	-	-	7-8	7-8	1500	1	6

PAST 24 HOURS.

District.	Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 27th Hrs. (36)
1	London (Kew)...	49	37	28	0·1	-	5·3
	Croydon ...	50	39	32	0·2	Tr.	4·4
	S. Farnborough	50	37	29	0·6	0·1	5·5
	Winchester ...	48	40	33	0·4	-	4·5
	Boscombe Down	48	40	37	Tr.	0·3	4·2
	Calshot (S'thmtn)	47	41	37	-	0·1	5·9
	Dungeness ...	50	40	*	2	Tr.	*
	Lympne ...	46	40	38	1	Tr.	0·8
2	Shoeburyness	51	36	28	2·0	-	2·0
	Felixstowe ...	43	38	32	Tr.	6	0·4
	Gorleston ...	42	39	38	-	4	0·1
	Cranwell ...	44	34	29	0·3	Tr.	2·9
3	Birmingham ...	44	35	32	2	-	2·7
	Upper Heyford	48	35	31	0·5	Tr.	*
4	Ross-on-Wye ...	46	43	40	-	0·2	2·2
5	Portland Bill...	47	44	*	-	-	*
	Plymouth ...	50	44	41	0·5	1	2·5
	The Lizard ...	49	43	*	2	1	*
	Scilly (St. Mary's)	49	43	*	4	6	2·2
	Guernsey ...	49	44	37	0·1	0·6	7·9
6	Pembroke ...	44	43	*	7	3	1·3
7	Holyhead ...	44	41	39	2	0·1	0·4
	Chester (Sealand)	45	38	33	3	-	4·6
8	L'pool (Bidston)	43	39	36	3	Tr.	3·5
9	Harrogate ...	39	34	28	6	-	0·2
10	Spurn Head ...	41	38	*	0·3	-	0·0
	Catterick ...	38	30	27	6	-	0·0
	Tynemouth ...	43	38	32	2	-	*
11	Inchkeith ...	41	37	31	1	-	0·1
	Leuchars ...	41	33	25	3	-	0·0
12	Renfrew ...	41	38	35	3	-	0·0
	Eskdalemuir ...	37	33	30	9	-	0·0
13A	Tiree	41	39	37	6	Tr.	0·0
13B	Stornoway ...	42	39	*	2	Tr.	0·0
15	Dalwhinnie ...	37	34	26	10	1	0·0
	Aberdeen ...	41	40	39	7	1	0·0
	Wick	41	40	*	2	1	*
16	Lerwick ...	40	38	*	1	1	0·0
17	Blacksod Point	44	36	*	-	Tr.	*
18	Malin Head ...	40	35	*	3	0·1	0·0
	Aldergrove ...	36	34	31	5	0·2	0·0
	Donaghadee ...	43	35	*	6	0·5	*
19	Birr Castle ...	42	35	33	0·4	5	2·8
20	Valentia Obsy.†	44	40	37	-	3	0·2
	Roches Point...	47	43	*	7	4	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except Greenwich & Hampstead rainfall, 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 bc	bc bl bc my	bc mc	49	37	28	0·1	-	5·3	*	*	7
Croydon	217	cr mi d	bc z	bc mp r	50	39	32	0·2	Tr.	4·4	*	*	6
Greenwich (Royal Observatory) ...	149	c	c	cw	51	36	32	-	Tr.	3·6	61	89	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	2·9	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	50	40	33			3·4	52	83	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	51	40	31			2·5	55	92	*
Camden Square	110	c	cb	*	50	39	30	-	-	*	*	88	*
Kensington	80	cbc	bc	*	50	38	30	-	-	4·0	At 18h. 70	90	*
Hampstead Observatory	450	c bc	bc	*	48	38	28	-	Tr.	2·7	*	93	*

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 27th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 28th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1009·3	S	2	f r r	46	1013·3	SSW	2	f	41
Brussels	1011·0	SSE	4	r r	43	1013·6	SSE	4	C	39
Berlin	1027·1	E	5	O	27	1028·2	ESE	3	O	27
Zürich	1016·4	E	3	C	32	1018·2	E	2	O	28
Rome						1019·4	NE	3	C	36

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
48	39	3	5
48	39	Tr.	Tr.
30	27	-	-
41	27	-	-
	34		-

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 27th.

South Kensington. Max.	Time.	Min.	Time.
1·0	20 & 24 27	0·3	1-6h 28

Kew Observatory. Max.	Time. 19h.	Min.	Time. 14h.
0·5	27h.	0·1	27h

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.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.