M.O. Form 2373

THE DAILY WEATHER REPORT

BRITISH SECTION

1st January to 31st March

1931.

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 (5h. G.M.T.) 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, 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.

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 and upper air temperatures over the British Isles and on the Continent of Europe ; and the cloud forms observed at different heights over the British Isles.

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.

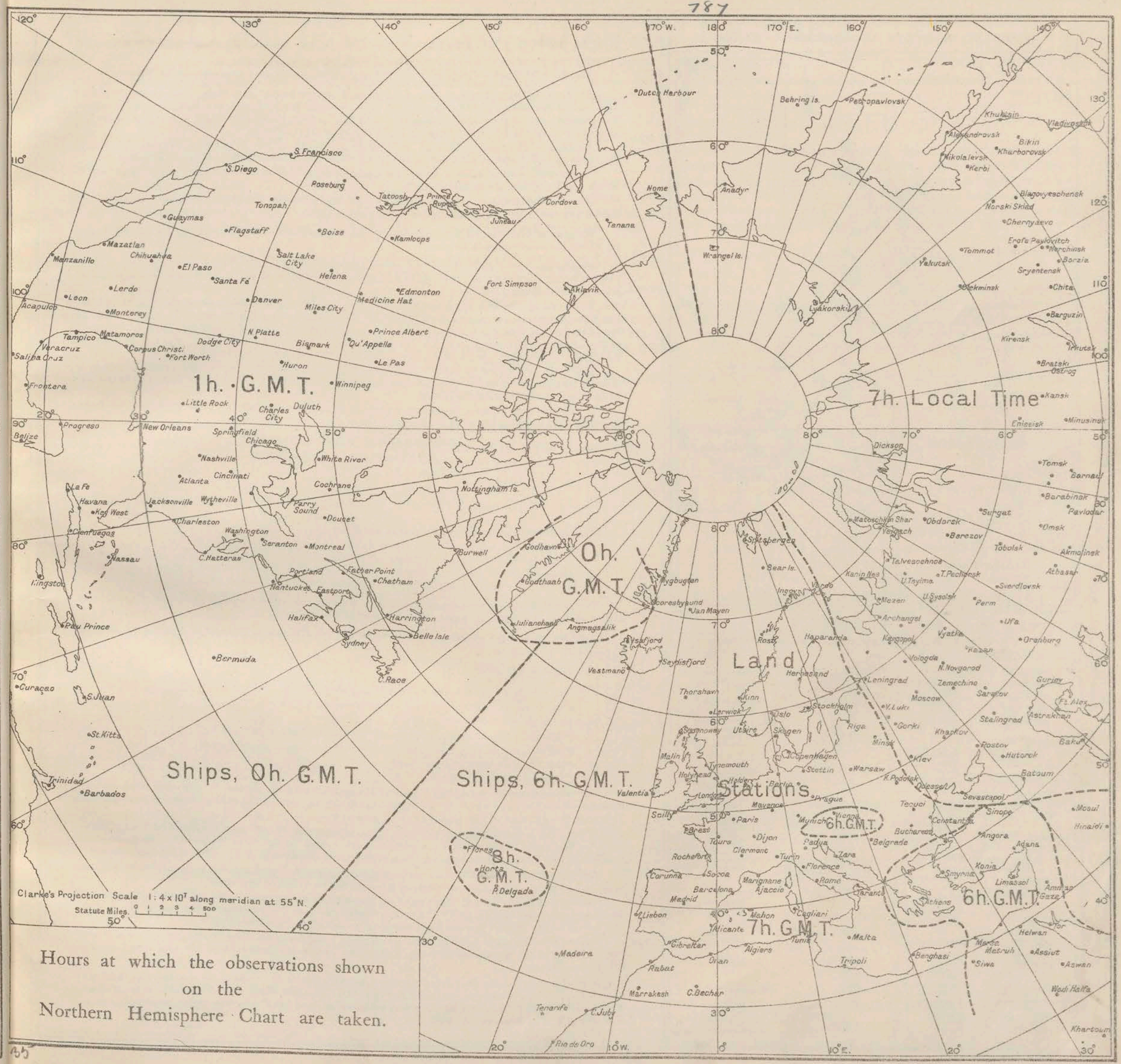
The *South Cone* (point downwards) is hoisted for gales commencing from a Southerly point. Such gales often veer, sometimes as far as Northwest.

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 :—

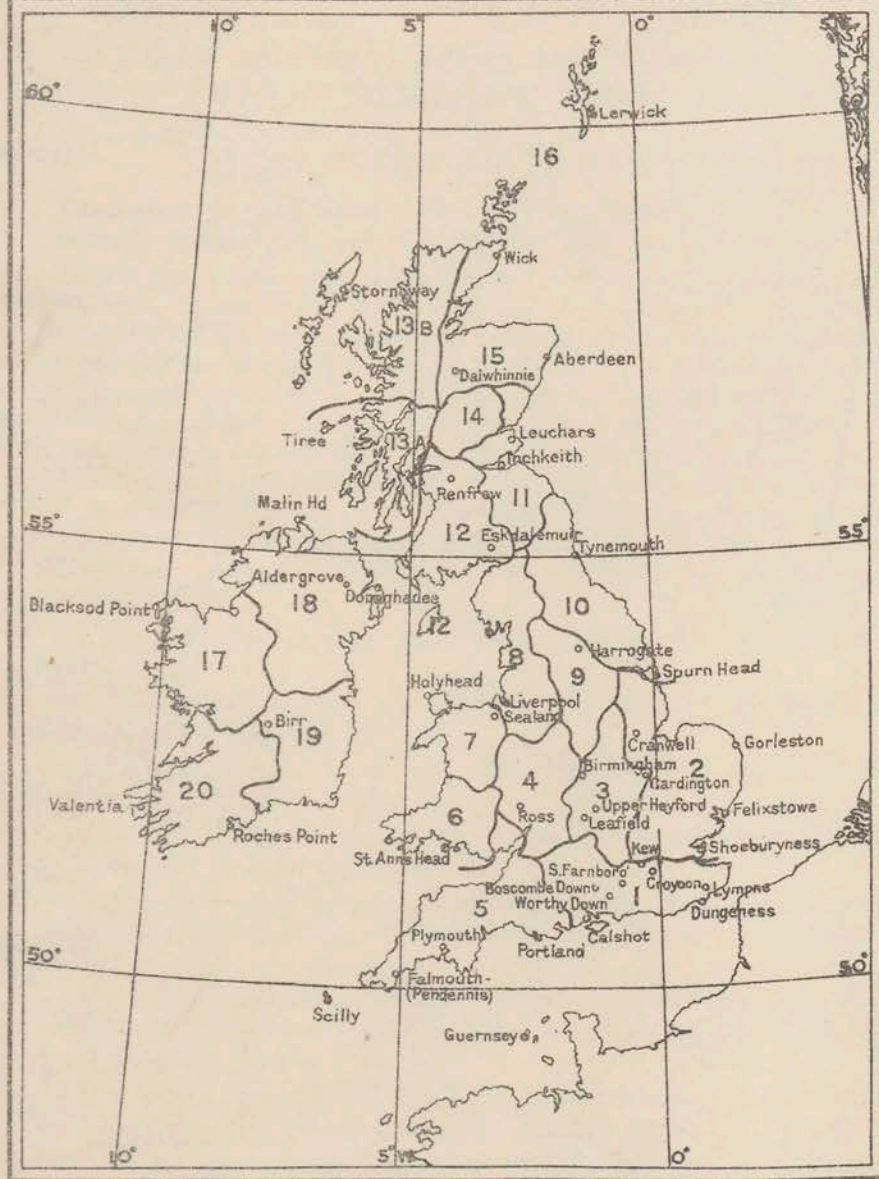
▲ North Cone hoisted : ▼ South Cone hoisted :

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



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

FORECAST DISTRICTS AND BRITISH STATIONS



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.

Dalwhinnie.—Observations from this station commenced on 1st January, 1931. The instruments are 1,176 feet above Mean Sea Level.

Nairn.—Telegraphic reports from Nairn at synoptic hours of observation ceased on 31st December, 1930, after having been taken since 1867.

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

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

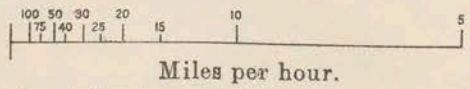
The wind at a height of 1,500-2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart for the chart on Page 2 the speed of the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

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

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

GEOSTROPHIC WIND SCALE FOR

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



Miles per hour.

This scale applies under the following conditions:—

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

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

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

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

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

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

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

where x is the vapour pressure in mb.;

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

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

t the dry bulb temperature; and

t' the wet bulb temperature.

The 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 in the monthly correction sheets.

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 in the correction sheets.

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 Meteorolovy," (2nd Edition, 1930), to be purchased from H.M. Stationery Office, Adastral House, Kingsway, W.C.2, price 3s. 2d. post free.

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

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AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

MONTHLY SUPPLEMENT.

FEBRUARY, 1931. Nº 170

Notes on the Weather of the Month.

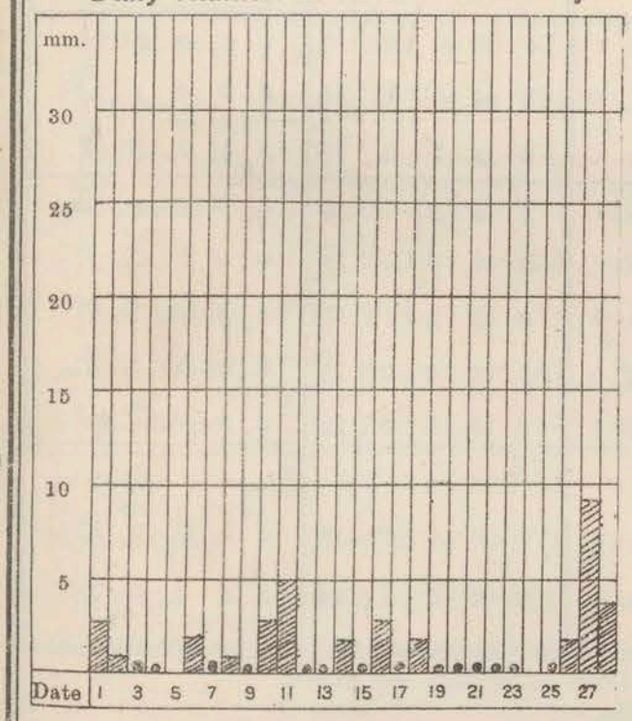
On the whole the weather of February was characterised by the predominence of squally westerly to northwesterly winds and frequent precipitation of a wintry type.

At the beginning of the month pressure was low over the British Isles with centres passing east or southeast across the country. Northwesterly to westerly gales prevailed on the western coasts on the 1st. By the 3rd the main features were a low over France and Germany and a high over Scandinavia and an easterly type of cold weather followed without much severe frost. Snow or sleet fell in many places and was heavy locally in Yorkshire and Northumberland on the 6th. Warm air from the Atlantic reached the western seaboard on the 5th and later a deep depression approaching from westward gave mild weather generally from the 8th - 10th. Fog occurred in places on the 7th and 8th.

On the 9th the deep Icelandic depression moved eastward and a period of rather cold weather ensued with squally northwesterly winds and local gales and some precipitation of a wintry type, particularly in the North. This distribution persisted with short breaks until the 24th when the country was again temporarily flooded with tropical air, maxima on the 25th being the highest in February for several years. Cold air reached Scotland again on the 26th and the northwesterlies were re-established. The most stormy periods of this section of the month were the 10th - 13th, the 16th - 17th and on the 28th. Sunshine was good from 12th - 14th and again in some districts on the 18th and 19th and the 21st and 22nd. On the 28th during a heavy shower of snow and soft hail, the Air Ministry mast was struck by lightning. An observer said:- "There was a single flash which seemed to fill the atmosphere rather than to follow one definite path."

The month was wet in Eastern England and parts of Scotland and in the former district it was also dull.

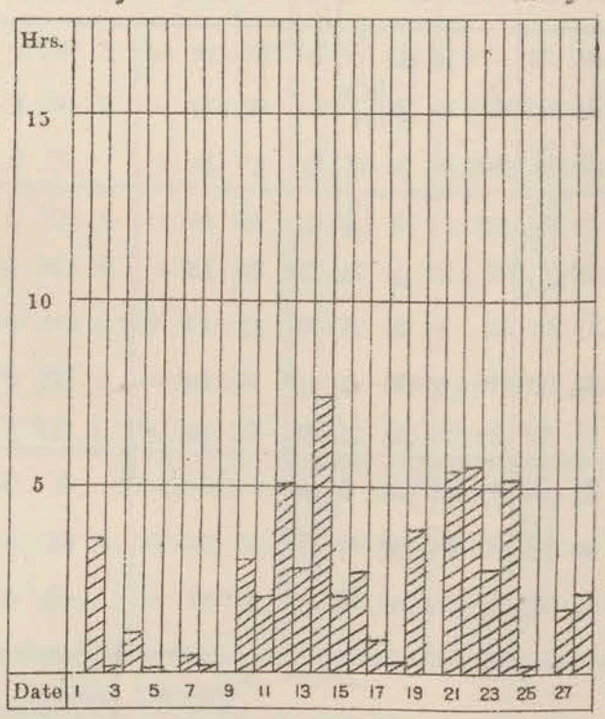
Daily Rainfall at KEW Observatory.



•=Less than 0·5 mm.

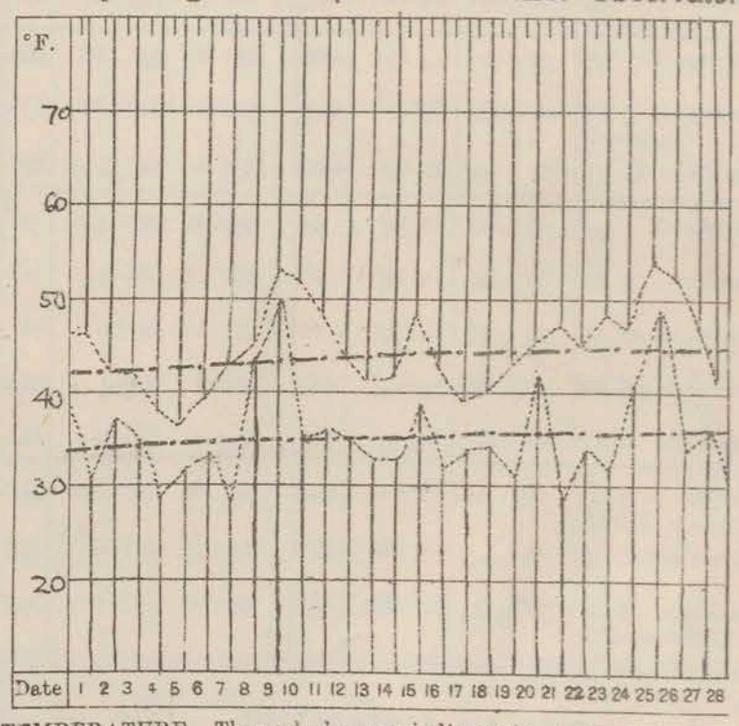
RAINFALL. Total for Month. 40 mm.

Daily Sunshine at KEW Observatory.



SUNSHINE. Total for Month. 60 hrs.

Daily Range of Temperature at KEW Observatory.



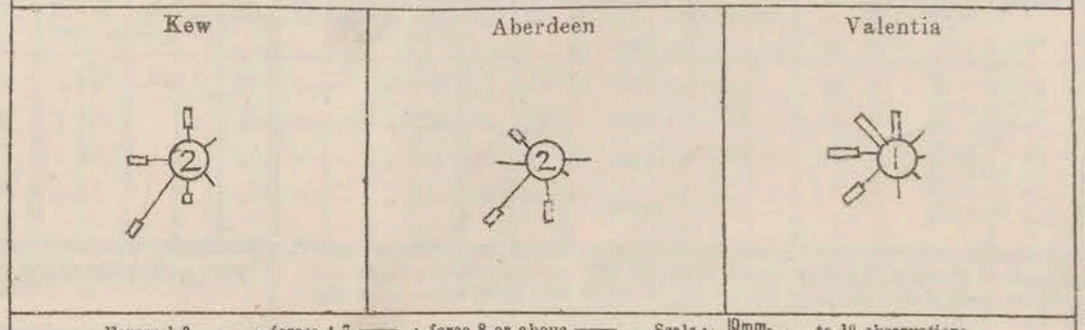
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

STATIONS.	PRESSURE Mean	PRESSURE Difference from average	TEMPERATURE Mean	TEMPERATURE Difference from average
	mb.	mb.	°F.	°F.
Kew	1012·0	−4·0	40·5	+0·3
Aberdeen	1005·1	−5·5	37·9	−0·7
Valentia	1015·2	+1·8	44·7	+0·2

* 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	6512
Aberdeen	6064
Lerwick	15,604
Valentia	10,708

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.	Minimum. 23° or below	24° – 32°	33° – 41°	42° – 50°	Normal Min.	Extremes—Warmest and Coldest. Days. Highest Max.	Date.	Lowest Max.	Date.	Nights. Highest Min.	Date.	Lowest Min.	Date.	Number of Ground Frosts.	Low Cloud. Number of observations within fixed limits. 7 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	13 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	18 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	Fog, Mist and Good Visibility. Number of observations within fixed limits. 7 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	13 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.
						°F.					°F.	°F.		°F.		°F.		°F.																					
1	London ... (Kew Obsy.)	0	6	18	4	45·0	0	8	16	4	35·1	54	25	37	5	50	10	28	22	15	2	20	0	4	22	0	6	17	0	0	0	2	1	5	0	0	1	4	6
	Croydon ...	0	10	14	4	*	0	9	15	4	*	54	10	36	5	49	10, 26	29	5	14	14	9	0	7	20	0	11	13	0	0	0	0	5	3	0	0	2	6	2
	Calshot ... (Southampton)	0	4	23	1	*	0	6	18	4	*	52	26	36	17	46	10	27	2	16	10	14	0	6	20	1	8	17	0	0	0	0	3	12	0	0	0	1	14
	Lympne ...	0	13	15	0	*	0	14	12	2	*	48	10, 24, 25	36	18	46	10, 26	26	6	14	16	7	1	11	16	0	10	11	2	0	1	3	1	7	0	2	0	1	9
2	Shoeburyness	0	7	18	3	44·8	1	13	12	2	34·4	55	26	37	4	48	26	23	20	16	3	16	1	1	20	2	2	21	0	0	0	1	0	16	0	0	0	1	18
	Gorleston ...	0	11	14	3	42·9	0	8	18	2	34·0	56	25	36	5	50	26	30	8, 17, 22	11	6	20	0	2	25	0	4	21	0	0	0	1	0	9	0	0	0	0	8
	Cranwell ...	0	12	13	3	43·7	0	17	7	4	32·8	56	25	34	5	49	26	26	5, 8	15	9	12	0	3	21	1	2	21	1	0	0	5	2	1	0	0	2	2	6
3	Leafield ...	0	12	14	2	*	0	15	10	3	*	52	25	33	17	45	10	26	22	15	6	16	1	6	15	5	6	17	1	0	0	1	3	15	0	0	0	0	23
4	Ross-on-Wye ..	0	7	18	3	46·0	0	5	19	4	33·8	57	25	37	4	48	26	28	2	14	0	26	0	1	26	0	3	22	0	0	0	0	2	19	0	0	0	0	18
5	Falmouth ... (Pendennis)	0	2	22	4	*	0	0	15	13	*	53	26	41	4, 18	49	9	34	18	*	0	28	0	2	26	0	0	28	0	0	0	0	0	20	0	0	1	1	20
7	Holyhead ...	0	3	23	2	45·4	0	0	22	6	38·0	52	25	40	28	47	26	35	16, 19	3	3	25	0	3	24	1	4	23	1	0	0	0	0	19	0	0	0	0	18
8	Liverpool ... (Bidston)	0	13	13	2	44·2	0	0	24	4	35·6	55	25	36	28	47	26	33	13, 21, 28	3	0	27	0	0	26	1	0	28	0	0	0	0	1	24	0	0	0	2	20
10	Tynemouth ...	0	12	13	3	44·5	0	6	19	3	33·7	55	25	36	4, 16	46	26	30	28	13	2	26	0	1	27	0	2	26	0	0	0	0	2	16	0	0	1	5	12
11	Inchkeith ...	0	13	15	0	*	0	4	22	2	*	50	25	37	4, 21, 28	45	25	31	13, 28	5	9	14	2	7	15	3	7	16	1	0	0	0	1	24	0	0	0	1	24
12	Renfrew ...	0	12	14	2	*	0	12	14	2	*	52	25	38	4, 28	47	25	25	23	17	1	25	0	4	24	0	3	25	0	0	0	0	1	21	0	0	1	0	17
	Eskdalemuir ...	1	23	4	0	*	1	18	9	0	*	50	26	32	4	41	9	20	24	18	12	14	0	12	14	0	12	16	0	0	2	2	1	17	0	0	0	1	17
13B	Stornoway C.G.	0	7	20	1	44·1	0	7	20	1	34·2	51	25	37	21	44	9	26	12	*	0	28	0	0	28	0	0	28	0	0	0	0	0	22	0	0	0	0	22
15	Aberdeen ...	0	17	10	1	43·4	0	11	17	0	33·1	59	25	37	28	39	9	28	23	18	2	21	0	1	23	1	0	23	1	0	0	0	0	22	0	0	0	0	19
19	Dublin ... (Phœnix Park)	0	2	19	7	46·7	0	12	14	2	34·4	55	9, 25	37	28	49	25	26	19	13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birr Castle ...	0	2	22	4	46·7	0	5	17	6	34·4	54	9	39	27, 28	49	25	28	19	13	0	20	0	0	27	0	0	22	0	0	0	0	0	25	0	0	0	0	27
20	Valentia ... (Cahirciveen)	0	0	20	8	48·8	0	0	17	11	39·7	53	9	42	28	49	25	33	19	1	8	19	0	9	19	0	8	19	1	0	0	0	1	24	0	0	0	0	25

UPPER AIR TEMPERATURE.

Pressure. mb.	Normal Height. Feet.	Normal Temperature. °F.	Duxford. Mean. °F.	No. of Reports.	S. Farnborough. Mean. °F.	No. of Reports.	Aldergrove Mean. °F.	No. of Reports.
950	1770	33	34	24	35	8	35	2
850	4660	26	24	24	26	8	27	2
750	7870	17	16	24	18	7	16	2
650	11,460	7	4	24	7	6	–	–
550	15,550	–7	–10	24	–2	1	–	–

UPPER WINDS.

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

Station. Height. Feet.	Lympne No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75	Plymouth (Mt. Batten) No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75	Holyhead No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75	Renfrew No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75	Station. Height. Feet.
		miles per hour.						miles per hour.						miles per hour.						miles per hour.					
2,000	42	7	18	16	–	–	19	2	11	4	2	–	51	1	23	25	2	–	25	1	14	10	–	–	2,000
5,000	22	4	15	3	–	–	2	–	–	1	1	–	23	2	10	11	–	–	6	–	3	3	–	–	5,000
10,000	2	–	–	2	–	–	1	–	–	1	–	–	3	–	1	2	–	–	–	–	–	–	–	–	10,000
15,000	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	1	–	–	–	–	–	–	–	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, 1931.

District.	Stations.	Sunshine: Number of Days with duration: Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration: Hours.	Date.	Total for past 12 months. Hours.	Difference from average. Hours.	Total for Month. Hours.	Difference from average. Hours.	Highest and Lowest Totals on record for Month: First year of record.	Highest. Hrs.	Year.	Lowest. Hrs.	Year.
1	London ... (Kew Obsy.)	5	15	7	1	0	7·4	14	1427	−48	60	0	1880	91	'22	27	{'81 '17
	Croydon ...	10	11	7	0	0	5·8	22	1425	*	53	*	1922	103	{'22 '28	37	'24
	Calshot** ... (Southampton)	9	5	9	5	0	8·1	14	1735	*	84	*	1881	123	'91	37	'97
	Lympne ...	6	12	4	6	0	8·7	19	1711	*	83	*	1921	124	'28	46	'26
2	Shoeburyness	3	15	5	5	0	8·5	14	1719	*	78	*	1919	105	'20	49	'24
	Gorleston ...	11	12	3	2	0	7·9	19	1556	−149	41	−40	1908	108	'14	45	'26
	Cranwell ...	9	13	3	3	0	7·8	22	1458	−90	54	−24	1921	98	'22	46	'29
3	Leafield ...	8	7	7	6	0	8·2	21	1453	*	81	*	1924	92	'28	31	'26
4	Ross-on-Wye ...	9	4	13	2	0	7·3	21	1436	−50	77	+6	1915	90	'28	40	'26
5	Falmouth ... (Observatory)	4	11	10	3	0	8·2	21	1694	−65	80	−3	1881	127	'09	43	'86
7	Holyhead ...	7	9	8	4	0	8·7	21	1511	−95	74	−4	1914	108	'30	36	'18
8	Liverpool ... (Bidston)	6	12	6	4	0	8·3	22	1285	−171	63	−5	1908	106	'10	41	{'26 '30
10	Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11	Inchkeith** ...	5	12	6	5	0	7·5	28	1463	*	70	*	1923	85	'28	34	'23
12	Renfrew ...	6	13	8	1	0	6·5	28	1152	*	60	*	1921	59	'28	22	'23
	Eskdalemuir ...	10	13	3	2	0	7·0	12	1112	−103	43	−15	1910	92	'30	23	'18
13B	# Stornoway C.G	5	15	6	2	0	6·5	18	1299	+40	64	+6	1881	91	'86	23	'03
15	Aberdeen ...	9	7	7	5	0	9·0	26	1424	+37	82	+9	1881	121	'98	33	'23
19	Dublin ... (Phœnix Park)	7	10	8	3	0	8·0	21	1430	−77	70	−3	1881	109	'10	39	'97
	Birr Castle ..	7	11	8	2	0	7·0	21	1194	−149	62	−5	1881	102	'06	34	'29
20	Valentia ... (Cahirciveen)	10	9	7	2	0	8·2	18	1308	−137	59	−10	1880	112	'30	29	'26

District.	Stations.	Rainfall: ‡Number of days with amount: 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	Above 25 mm.	Maximum fall in 24 hrs. mm.	Date.	Total for past 12 months. mm.	Difference from Average. mm.	Total for Month.‡ mm.	Difference from Average. mm.	Highest and Lowest Totals on record for Month: First year of record.	Highest. mm.	Year.	Lowest. mm.	Year.	Days with Thunder.	Days with Snow or Sleet.
1	London ... (Kew Obsy.)	12	4	10	2	0	0	9	27	626	+20	40	+1	1871	105	'79	2	'95	0	9
	Croydon ...	9	7	9	3	0	0	7	{11 '27	681	+2	46	−3	1921	114	'25	4	'21	0	9
	Calshot** ... (Southampton)	11	6	9	2	0	0	8	27	729	+83	43	−3	1871	144	'15	1	'91	0	4
	Lympne ...	6	7	12	3	0	0	10	11	875	+151	61	+11	1920	101	'27	12	'21	1	7
2	Shoeburyness	7	8	12	1	0	0	7	27	584	+104	39	+9	1920	69	'26	6	'29	1	6
	Gorleston ...	9	3	14	2	0	0	13	27	780	+158	64	+26	1871	87	'16	4	'91	0	9
	Cranwell ...	7	7	9	5	0	0	11	28	750	+160	69	+31	1917	89	'23	9	'21	1	15
3	Leafield ...	8	9	9	2	0	0	10	27	720	+26	41	−7	1924	89	'27	11	'30	0	11
4	Ross-on-Wye ...	12	6	8	2	0	0	11	27	742	+24	43	−8	1818	174	'33	0	'91	0	7
5	Falmouth ... (Observatory)	5	3	13	7	0	0	15	11	1207	+100	93	−1	1871	229	'23	2	'91	0	1
7	Holyhead ...	6	7	11	4	0	0	10	19	1019	+131	61	−1	1871	152	'84	7	'91	0	2
8	Liverpool ... (Bidston)	9	5	11	3	0	0	7	15	938	+229	54	+11	1867	104	'25	3	'91	0	2
10	Tynemouth ...	5	11	12	0	0	0	5	16	730	+109	35	0	1915	79	'23	19	'20	0	8
11	Inchkeith** ...	10	10	7	1	0	0	9	6	643	+89	35	+2	1870	135	'94	3	'91	0	2
12	Renfrew ...	6	3	15	3	1	0	21	11	1110	+185	84	+6	1921	115	'28	6	'30	0	9
	Eskdalemuir ...	4	5	9	8	1	1	30	11	1718	+289	151	+25	1910	242	'15	18	'30	0	23
13B	# Stornoway C.G	0	4	11	12	1	0	22	24	1295	+29	177	+64	1870	204	'98	19	{'90 '30	2	13
15	Aberdeen ...	9	5	9	5	0	0	13	6	912	+164	71	+19	1871	130	'23	6	'91	0	11
19	Dublin ... (Phœnix Park)	11	5	10	2	0	0	6	25	930	+225	37	−9	1877	108	'25	2	'91	0	*
	Birr Castle ..	6	10	8	4	0	0	9	{7, 11, 25	945	+116	64	+6	1872	133	'25	5	'91	0	7
20	Valentia ... (Cahirciveen)	2	3	14	7	2	0	23	7	1563	+149	129	−3	1870	279	'14	19	'91	1	1

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)	1	1	4	11	5	6	0	0	0
Ross-on-Wye	1	4	6	9	7	1	0	0	0
Falmouth (Obsy.)	4	2	5	12	4	1	0	0	0
Renfrew ...	0	5	11	8	3	1	0	0	0
Eskdalemuir	4	3	9	8	3	1	0	0	0
Aberdeen ...	0	1	4	11	9	3	0	0	0
Valentia ...	3	7	6	6	5	1	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)	0	26	0	2	0	0	0	0	0	0
Ross-on-Wye	1	27	0	0	0	0	0	0	0	0
Renfrew ...	0	23	2	0	0	0	2	1	0	0
Eskdalemuir	0	11	1	2	0	0	11	1	2	0
Aberdeen ...	0	24	0	1	3	0	0	0	0	0
Valentia ...	0	28	0	0	0	0	0	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 Coastguard station began Sept. 1930.
Normals and extremes for the old station.

PRESSURE: ICELAND TO GULF OF LIONS FEBRUARY, 1931

ISOPLETHS* BASED ON SIX-HOURLY OBSERVATIONS.

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

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

Pa.2531/2212. We.181. D.6005. Gp.908. 1100 3/31

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AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 1st February, 1931.

No. 25273

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1016.0	-38	SSE	3	c⊕	39	65	5	-	-	8	0	7-8	-
	Croydon ...	1016.3	-30	SE'S	4	cz₀	39	65	6	-	-	5	0	9+	-
	S. Farnborough	1015.5	-36	SSE	4	c	37	75	6	-	1	-	0	10	-
	Winchester ...	1014.4	-44	SSE	4	ir₀	38	75	7	5	1	-	9	10	2500
	Boscombe Down	1014.2	-42	SSE	4	r₀r₀	37	95	6	6	-	-	10	10	450
	Calshot, S'thmtn	1015.4	-38	SE'S	5	c	42	75	6	5	2	-	4-6	10	2500
	Dungeness ...	*	*	SE	2	bc	*	*	7	-	7	*	0	4-6	-
	Lympne ...	1016.6	-10	SE	2	c	38	65	7	4	-	-	9+	9+	4000
2	Shoeburyness	1016.9	-34	SSE	3	bc	40	65	7	5	-	-	4-6	4-6	4000
	Felixstowe ...	1017.0	-30	SE'E	3	c	39	65	8	5	-	5	2-3	7-8	4000
	Gorleston ...	1016.7	-30	SE'S	4	c	38	75	7	5	-	-	9+	9+	2500
	Cranwell ...	1014.3	-38	SE	4	c	33	85	6	-	1	-	0	10	-
3	Cardington ...	1015.4	-30	SSE	3	c	36	85	5	5	1	-	7-8	10	1500
	Birmingham ...	1012.2	-46	S	4	s₀s₀	33	95	4	6	2	-	4-6	10	800
	Upper Heyford	1014.5	-38	S	3	cz₀	35	75	6	6	2	-	4-6	10	1500
	Leafield ...	1013.2	-26	SE'S	4	s₀s₀	33	85	4	6	-	-	10	10	1500
4	Ross-on-Wye ...	1010.3	-46	SSE	4	r₀r₀	36	95	6	6	-	-	10	10	2500
5	Portland Bill...	1012.9	-44	S'E	6	o RR	42	85	6	5	-	-	10	10	1500
	Plymouth ...	1009.5	-50	SSE	5	d₀d₀	47	95	6	5	-	-	10	10	220
	Falmouth ...	1008.9	-50	SSW	7	rr	49	95	5	6	-	-	10	10	1500
	Scilly (St. Mary's)	1005.7	-56	SW'S	7	rr	49	95	5	6	-	-	10	10	2500
	Guernsey ...	1015.3	-40	SSE	4	rr	40	95	6	6	-	-	10	10	1500
6	Pembroke ...	1001.8	-58	S	5	rr	47	95	5	5	-	-	10	10	800
7	Holyhead ...	1001.3	-70	S	7	r₀r₀	41	95	6	6	2	-	7-8	10	800
	Chester (Sealand)	1007.8	-52	SE'S	6	rs₀	33	95	5	6	-	-	10	10	2500
8	L'pool (Bidston)	1006.0	-44	ESE	6	s₀s₀	33	95	6	5	-	-	10	10	1500
9	Harrogate ...	1011.0	-34	SSE	4	s₀s₀	33	85	4	6	-	-	10	10	450
10	Spurn Head ...	1013.4	-16	S'E	6	c	37	75	7	3	1	-	2-3	10	4000
	Tynemouth ...	1010.2	-34	S	5	o	36	95	6	6	-	-	10	10	1500
11	Inchkeith ...	1003.5	-50	SSE	4	rs	35	95	6	6	-	-	10	10	800
	Leuchars ...	1005.4	-40	ESE	5	ss	33	95	4	6	-	-	10	10	220
12	Renfrew ...	1000.5	-52	SSE	5	rs	34	95	7	6	2	-	7-8	10	1500
	Eskdalemuir ...	1004.1	-50	S	4	s₀s	30	95	4	6	-	-	10	10	<150
13A	Tiree ...	988.5	+56	SE	8	RR	43	95	5	6	-	-	10	10	800
13B	Stornoway ...	992.6	-40	SE	6	rr	40	95	6	6	-	-	10	10	4000
15	Dalwhinnie ...	997.8	-48	SSE	8	ks	30	95	1	5	-	-	10	10	<150
	Aberdeen ...	1005.8	-24	S	6	rs	36	85	6	6	-	-	10	10	800
	Wick ...	1000.1	-40	S	9	r₀r₀	39	95	7	6	2	-	4-6	10	1500
16	Lerwick ...	1006.0	-20	S'E	6	c/jp	41	75	7	6	2	-	4-6	10	1500
17	Blacksod Point	987.0	-28	S	6	DD	50	95	6	6	-	-	10	10	<150
18	Malin Head ...	987.4	-64	SSE	6	c/r	48	95	6	6	2	-	7-8	10	1500
	Aldergrove ...	992.9	-58	SE'S	6	rr	45	95	6	6	2	-	9	10	450
	Donaghadee ...	995.7	-40	SW	6	cr	44	95	7	6	-	-	10	10	800
19	Birr Castle ...	991.7	-62	S	4	r₀r₀	51	95	7	6	-	-	10	10	2500
20	Valentia Obsy.	994.0	-28	SW'W	5	br	49	95	6	5	-	-	10	10	800
	Roches Point...	996.1	-52	SW	5	dd	50	95	6	5	-	-	10	10	800

OBSERVATIONS at 18h. G.M.T. 31st January — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)	Weather 7h.–13h. 31st (37)	Weather 13h.–18h. 31st (38)	Weather 18h. 31st to 1h. 1st (39)	Weather 1h.–7h. 1st (40)
London (Kew)	1007.6	-54	SSE	4	r₀r₀	38	85	5	6	1	-	7-8	10	1500	1	*	cfx cz₀	ozjr₀cr₀m₀	cr₀rm₀	cprbc
Croydon	1009.1	-54	S'E	5	r₀r₀	38	85	6	6	2	-	9	10	1500	1	*	bffxcm₀⊕	cm₀⊕	cor₀r₀d₀d₀	od₀d₀om₀
S. Farnborough	1006.6	-50	S	5	r₀r₀r₀	37	95	6	6	-	-	10	10	800	1	*	bFxc	crz₀or₀r₀	or₀rrm₀	orrm₀bc
Winchester	1005.4	-50	SSE	5	r₀r₀	39	95	7	6	-	-	10	10	800	1	*	omx cir₀	cir₀or₀r₀	or₀r₀qrr	r₀r₀cd₀
Boscombe Down	1004.2	-62	SSE	6	rr	39	95	6	5	-	-	10	10	450	1	*	cfforr₀m₀	or₀r₀rrqm₀	orrm₀c	c
Calshot, S'thmtn	1006.6	-68	SE	6	r₀r₀	41	95	5	6	2	-	9	10	800	1	4	oxbccm₀	cm₀ir₀r₀r₀	orrm₀c	cbcc
Dungeness	*	*	S	5	c	*	*	7	5	1	*	4-6	10	2500	*	3	bc	⊙	*	d
Lympne	1011.0	-30	S'E	4	c	39	75	7	5	1	-	9	10	2500	1	*	bccm₀	c	<orr	orrd₀d₀m₀
Shoeburyness	1010.1	-30	SE'E	4	r	39	75	7	6	2	-	4-6	10	1500	1	*	bc	bco	oir₀	oir₀
Felixstowe	1011.5	-34	S'E	5	c	39	75	8	5	1	-	2-3	10	1500	0	3	cxz₀c	c	corr	orr
Gorleston	1010.6	-36	S'E	6	c	39	85	7	5	-	-	9+	9+	2500	0	4	cps₀bcq	co	cor₀r₀q	or₀r₀w
Cranwell	1005.9	-50	SE	6	s₀s₀	32	95	5	6	-	-	10	10	1500	6	*	bxcm	cozs₀	os₀s₀r₀r₀m	od₀d₀id₀f
Cardington	1007.1	-48	SSE	4	r₀r₀	35	95	5	6	-	-	10	10	450	1	*	cm₀	om₀orsr₀r₀	or₀r₀m₀	ocm₀
Birmingham	1002.7	-48	SE	5	rr	34	95	5	6	-	-	10	10	800	6	*	cos₀	oss	orr₀	o
Upper Heyford	1005.4	-54	SSE	5	rr	35	95	6	6	-	-	10	10	800	1	*	oFxcm	cs₀ors	orrR	oc
Leafield	1003.9	-50	SSE	6	rs	34	95	4	6	-	-	10	10	800	3	*	fcos₀	ossrs	orr	c
Ross-on-Wye	999.7	-64	SE	5	r₀r₀	40	95	6	6	-	-	10	10	2500	1	*	cocorsr₀r₀	r₀r₀	r₀r₀d₀bcc	cor
Portland Bill	1001.7	-68	S'E	7	RR	45	95	6	5	-	-	10	10	800	2	5	crrRz₀	RRz₀	c	CPR
Plymouth	999.7	-34	WSW	5	c/r	49	95	7	9	-	-	9+	9+	800	2	4	om₀rr	om₀q RR	cqr	cqrr
Falmouth	1000.5	-12	WSW	6	ir₀	49	95	7	6	1	-	7-8	9	2500	2	4	omrrq	omrrq	coirmq	om₀rq
Scilly (St. Mary's)	1000.2	-8	WNW	8	cq	48	85	6	8	-	-	7-8	7-8	4000	1	4	orr	ercir	<porr	orrbc
Guernsey	1005.1	-54	SSE	4	rr	45	95	6	6	-	-	10	10	1500	2	4	or₀rr	ororr	orroc	coqo
Pembroke	994.1	-32	SW	5	c/pr	47	95	6	3	2	-	9	10	800	2	4	orrq	rrcpq	orrq	ORRq
Holyhead	992.5	-40	S	6	d₀d₀	44	95	6	6	7	-	9	10	800	1	4	r₀r₀q	r₀r₀id₀q	d₀d₀cm₀r₀kq	r₀r₀q
Chester (Sealand)	998.0	-54	SSE	6	r₀r₀	36	95	5	6	-	-	10	10	800	6	*	os₀s₀m₀ors	r₀sr₀	r₀r₀m₀	ird₀
L'pool (Bidston)	996.6	-42	ESE	6	oq	35	95	7	6	-	-	10	10	2500	3	*	s₀shq	srsoq	oirs₀	oiRr
Harrogate	1003.7	-50	ESE	3	ss	31	95	4	6	-	-	10	10	<150	8	*	ofm₀s₀s₀	omss	omSS	ofs
Spurn Head	1005.6	-24	SSE	7	c	38	75	7	-	2	-	0	9	-	0	5	bc	bc	corsor	orodd
Tynemouth	1003.0	-36	S	7	is₀	35	95	6	6	-	-	10	10	1500	6	4	oq	ossq	oirsq	oir₀
Inchkeith	996.4	-26	SSE	5	rs	34	95	7	6	-	-	10	10	800	1	4	orsrs	orsrs	rsrsc	orrr₀r₀
Leuchars	998.6	-34	SE	7	s₀s₀	32	95	4	6	-	-	10	10	220	8	*	cds₀srsssm	osss₀sm	os₀s₀	os₀sr₀r₀m
Renfrew	994.6	-26	ESE	4	r₀r₀	37	85	6	6	-	-	10	10	1500	2	*	or₀r₀s₀	r₀srr₀ar₀	or₀r₀rs	or₀r₀c
Eskdalemuir	996.5	-38	S'E	5	RS	32	95	5	6	-	-	10	10	450	8	*	ossm	ossors	orsrsod₀d	odfof
Tiree	985.2	-8	SE'S	7	rr	43	95	5	6	-	-	10	10	800	1	5	oRR	oRrr	or₀RRcir₀	cpr₀ pr(h)
Stornoway	987.2	-20	SE	6	rr	39	95	6	6	-	-	10	10	4000	2	4	orr	orro	orr	orrirq
Dalwhinnie	992.3	-28	SSE	8	ks	27	95	1	5	-	-	10	10	<150	8	*	ksksf	ksksf	KsKsF	KsFco
Aberdeen	1000.8	-28	SSE	6	rr	36	95	6	6	-	-	10	10	800	1	4	cr₀r₀s₀	orsrsq	ORRqm₀	orrm₀
Wick	996.1	-28	SSE	9	rr	37	85	6	6	-	-	10	10	1500	1	6	cr₀r	cirsorrm	orrm₀	orrm
Lerwick	1003.9	-16	S'E	8	ir	39	85	7	6	2	-	4-6	10	1500	2	*	bccjphr₀ir	coir₀	oir₀r₀r₀	or₀r₀
Blacksod Point	994.5	+72	NNW	9	cq	46	85	7	9	-	-	10	10	*	1	9	dd	idq	prc	prqc
Malin Head	985.0	-4	S	3	c/d	49	95	7	5	-	-	9+	9+	800	1	2	crrm₀m₀	cd₀m₀	cqidm₀	cd₀cq
Aldergrove	988.1	-18	SE'S	4	o/d	47	95	7	6	-	-	10	10	800	1	*	crrm₀	or₀r₀d₀d₀	oirr₀	r₀irs
Donaghadee	988.8	-22	SW	6	r₀r₀	46	95	7	6	-	-	10	10	800	1	3	orrq	orrr₀r₀q	r₀r₀c	cqir₀
Birr Castle	990.0	+6	NW	5	dd	46	95	6	5	-	-	10	10	1500	1	*	orrr₀	or₀r₀cod₀d₀	cir	cbcb
Valentia Obsy.	1001.5	+50	NW'N	7	ir₀	45	85	6	5	-	-	10	10	1500	1	5	crrcr₀cp₀	cpcir₀	circpr	bccph
Roches Point	995.5	+14	NW	5	ir	47	85	7	6	-	-	9	9	1500	1	5	orrdd	cdcir	cir r₀r₀	cir₀bc

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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

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 $\frac{1}{20}$ of the sky. "9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical 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.

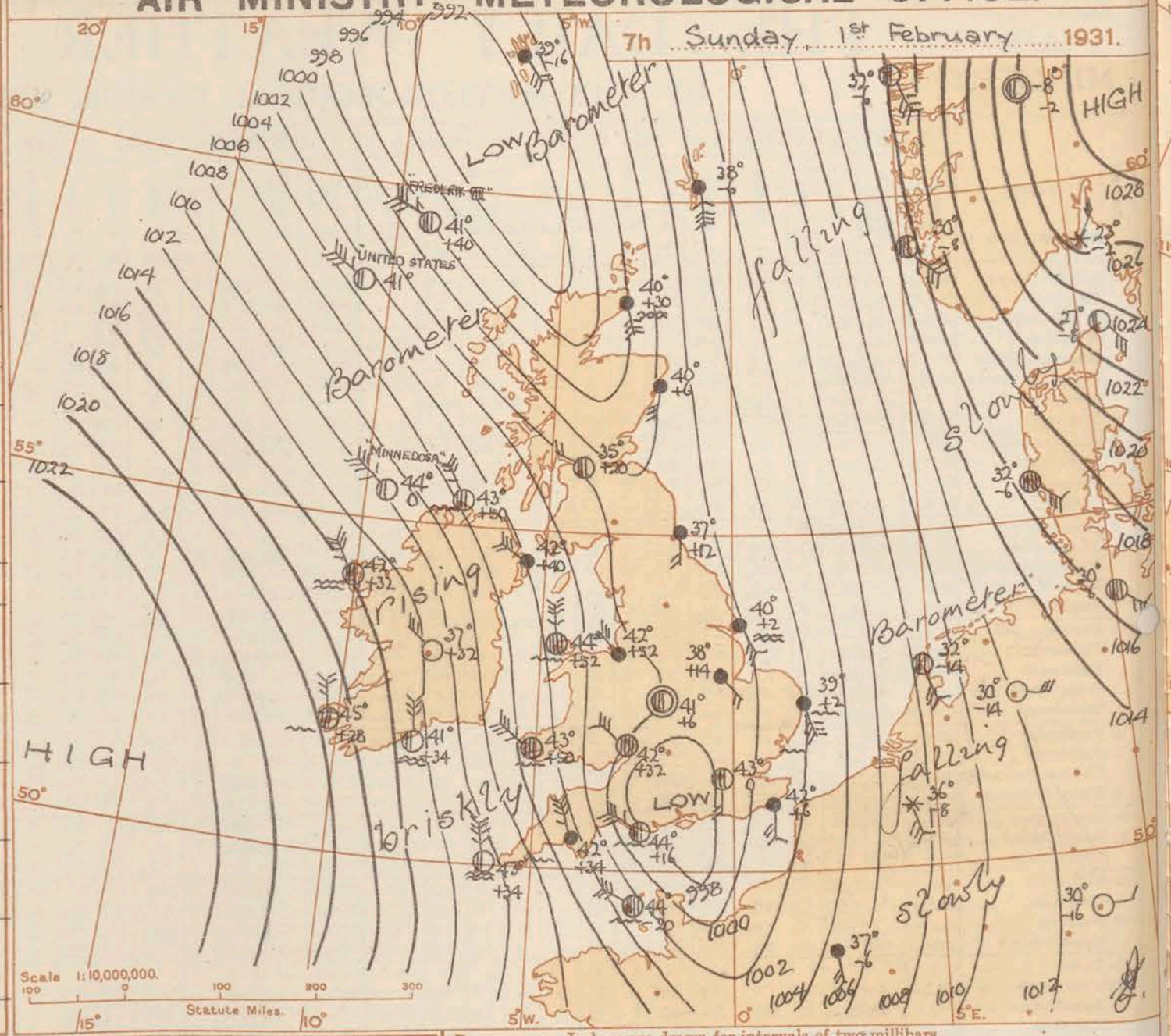
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 31st January 1931.

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.	b	bcodo	24	40	–	Trace	3.8
	Bournemouth	or	r	30	42	–	3	0.0
	Ventnor ...	cou	our	31	42	Trace	1	0.0
	Southsea ...	o	or	29	43	–	1	0.0
	Bognor Regis	cbco	eidrr	31	42	0.3	0.5	0.5
	Littlehampton	bcc	cr	29	42	–	0.6	0.8
	Worthing ...	cbo	or o	30	42	0.3	Trace	1.7
	Brighton ...	bbc	bccod	31	42	–	0.2	3.0
	Eastbourne†	bbc	bccor	30	42	–	Trace	4.1
	Hastings† ...	xbbcb	bbcco	31	41	0.2	–	4.9
	Folkestone ...	xc	co	33	43	–	–	1.6
	Dover... ...	cmc	bcc	36	42	0.1	–	1.3
	Deal	cbcc	o	36	40	–	–	0.7
	Ramsgate ...	bcc	c	36	40	Trace	–	0.9
	Margate ...	bcc	bcc	36	41	–	–	0.8
2	Southend ...	cmbz	bbco	31	41	Trace	–	3.3
	Maldon ...	xmb	bcco	28	40	–	–	1.9
	Clacton-on-Sea	cbcc	co	31	40	–	–	2.4
	Dovercourt ...	xbc	bcoc	30	41	–	–	3.5
	Lowestoft ...	ocbcc	c	34	39	–	–	1.8
	Skegness ...	bco	o	29	37	Trace	–	0.2
	Mablethorpe	ozmo	o	27	37	–	–	0.6
	Cleethorpes ...	xmco	o	28	36	–	–	0.0
3	Leamington S.	co	or	27	36	–	1	0.0
4	Cheltenham†	mosos	oror	28	38	–	4	0.0
5	Bath	csr	crr	30	41	–	3	0.0
	Weymouth ...	ors	r.r	31	45	Trace	3	0.0
	Jersey ...	cr	rcr	38	43	–	3	0.0
	Torquay ...	cros	qedsR	35	49	2	8	0.0
	Penzance ...	or	orr	41	51	9	11	0.0
	St. Ives ...	r	r	40	51	7	15	0.0
	Bude	rdo	rdc	38	50	2	4	0.0
	Ilfracombe ...	rr	rr	36	50	2	11	0.0
6	Aberystwyth	bccr	cir	35	44	1	2	0.0
7	Llandudno ...	dod	odr	33	42	2	1	0.0
	Colwyn Bay...	oror	orr	33	40	2	2	0.0
	Rhyl	orsc	rsc	31	38	0.4	2	0.0
8	Wallasey ...	oss	srso	33	36	0.5	6	0.0
	Southport‖ ...	os	os	33	35	–	14	0.0
	Blackpool ...	os	osro	32	35	0.3	7	0.0
	Morecambe ...	rsrso	rror	30	37	–	11	0.0
9	Ilkley... ...	oss	s	27	36	–	4	0.0
10	Berwick-on-T.	ors	orss	29	35	–	Trace	0.0
11	Dunbar ...	omo	smo	31	37	–	2	0.0
12	Douglas ...	xcom	RRq	31	42	7	33	0.0

† 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 the wind. Number of feathers indicate Beaufort force. Calm, = ⊙
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 cloudeo. ● Overcast sky.
● Rain falling. ✱ Snow. ▲ Hail. ≡ Fog. ≡ Mist. ⊤ Thunder. ⊼ Thunderstorm.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 1st Feb. 1931.

Districts.	Forecasts
1. S.E. England 2. E. England... 3. E. Midlands	Variable to northwest wind, light to moderate; dull; occasional light local rain; local fog developing later today; normal temperature.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Wind northwest, strong to gale on coast at first, moderating; mainly cloudy; some showers; probably improving slowly; rather cold; local night frost; perhaps local fog later.
8. N.W. England 9. N. Midlands 10. N.E. England	As 1 - 3.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland	Wind northwest to west, strong on coast at first, moderating; cloudy, brighter intervals; wintry showers with snow on the hills; rather cold; some night frost; local fog tonight.
15. N.E. Scotland 16. Orkneys and Shetlands.	Wind variable to westerly, mainly moderate; mainly dull; some rain with snow on hills; rather cold; night frost inland.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind northwest, strong to gale locally on coast, moderating; bright periods, but showers of rain, hail or sleet; rather cold; perhaps night frost.

H M Stationery Office Press Kingsway W C 2

GENERAL INFERENCE.

An elongated and complex low pressure area extending southwards from the Faeroes to France is almost stationary and is filling up. In the West strong to gale northwest winds will be associated with showers and some bright intervals, but in the east weather is likely to remain dull with occasional local rain. Sleet or snow will occur on high ground in the North and Northwest.

FURTHER OUTLOOK.

None issued.

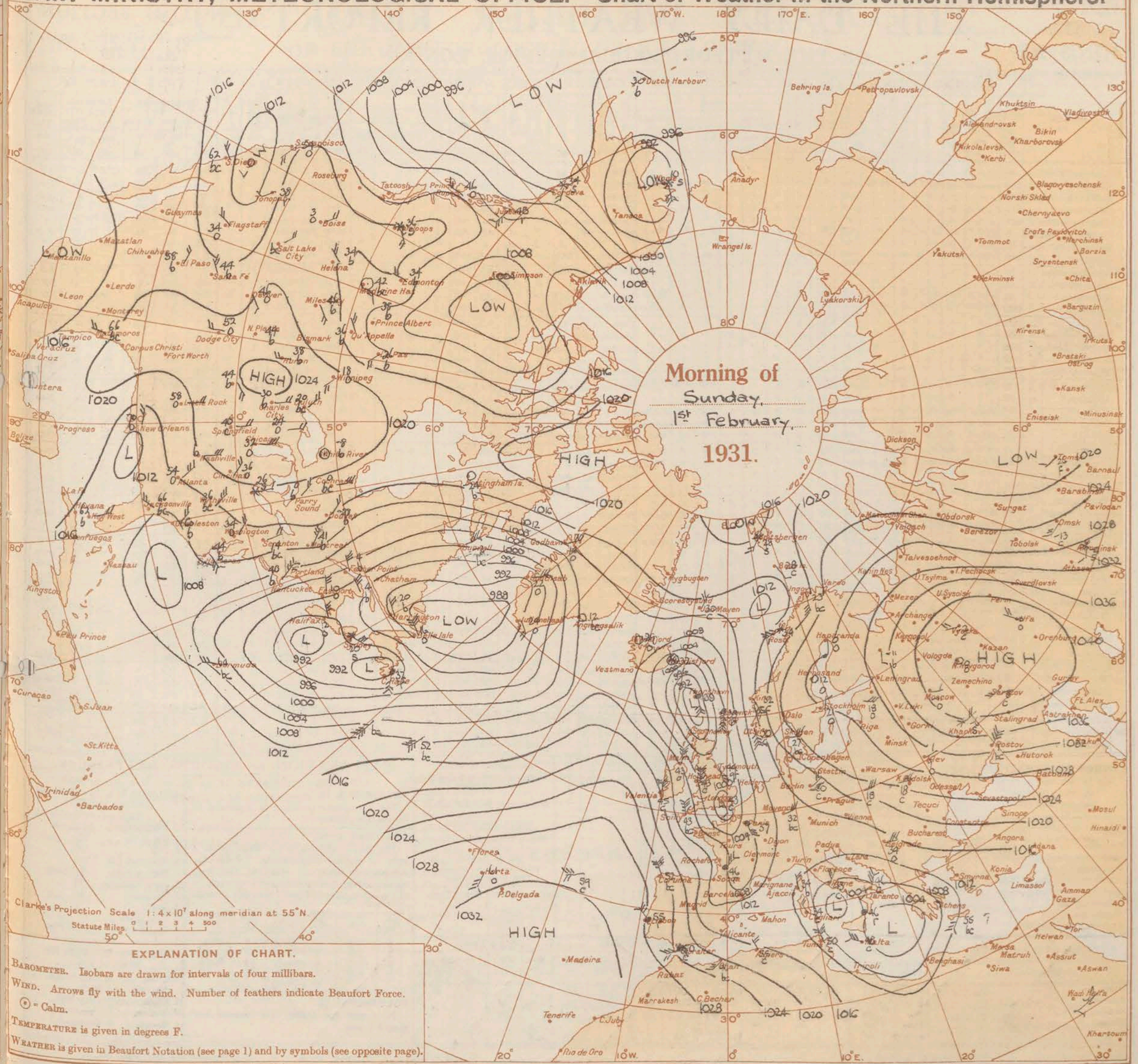
Times of Issue of Gale Warnings.

South Cone at 0235 on 31st in 5,6,7,8, 12,17,18,19 and 20; and at 0810 on 31st in 1,2,10,11,13A,13B, 15 and 16.

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.



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, 1st February 1931.

No. 25 273.

OBSERVATIONS at 1 hr. G.M.T. 1st 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	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1000·6	-24	SSE	4	d₀d₀	42	95	6	6	-	-	10	10	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	997·7	-22	SW	3	c	44	95	7	5	-	-	9+	9+	800
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1002·4	-32	SE'S	5	rr	40	95	6	6	-	-	10	10	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1003·9	-24	SSE	8	r₀r₀	39	95	6	6	-	-	10	10	800
	Cranwell ...	240	998·3	-18	SE	6	df	35	95	3	6	-	-	10	10	1500
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	997·5	-6	WSW	6	c	46	85	8	8	-	-	7-8	7-8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1000·5	+14	NW'W	8	rr	44	95	6	6	2	-	7-8	10	2500
	Scilly (St. Mary's)	163	1003·2	+24	NW	9	rr	45	75	6	6	-	-	10	10	2500
	Guernsey ...	175	1001·8	-4	W	3	c	46	95	6	5	-	-	7-8	7-8	2500
6	Pembroke ...	142	996·0	+20	NW	8	RR	45	95	6	3	-	-	10	10	800
7	Holyhead ...	26	993·6	+18	NNW	7	r₀r₀	45	95	5	6	-	-	10	10	800
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	998·3	-10	SE'S	7	rr	38	95	6	6	-	-	10	10	2500
	Tynemouth ...	67	997·3	-4	SSE	5	ir₀	36	95	7	6	-	-	10	10	1500
11	Inchkeith ...	190	995·1	-2	SE	3	prs	36	95	7	3	3	-	4-6	10	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	990·7	+36	NW	1	rr	40	95	6	6	-	-	10	10	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	992·6	-4	SSE	9	rr	36	85	6	6	-	-	10	10	1500
16	Lerwick ...	54	1002·0	-6	S'E	9	r₀r₀	37	85	7	6	-	-	10	10	1500
17	Blacksod Point	18	1007·2	+80	NNW	9	bc	43	55	7	3	-	-	4-6	4-6	2500
18	Malin Head ...	52	996·3	+54	NW'N	7	id	44	85	6	6	1	-	7-8	9+	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1011·8	+14	NW	9	r	44	85	8	3	-	-	10	10	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 1st February — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)	Temp. Max. Day 7h-18h °F. (31)	Temp. Min. Night 18h-7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 31st Hrs. (36)
London (Kew)...	998·8	+12	SE	1	u	43	95	6	5	-	6	4-6	7-8	1500	1	*	40	38	36	0·3	1	0·7
Croydon ...	999·6	0	S	2	z	43	95	6	5	-	-	9+	9+	1500	1	*	40	38	35	0·3	6	1·6
S. Farnborough	998·4	+6	SE	2	o	42	95	6	5	-	-	10	10	800	1	*	39	37	32	0·4	4	0·0
Winchester ...	997·7	0	SW	1	id₀	42	95	8	6	-	-	9+	9+	800	1	*	39	38	38	1	8	0·0
Boscombe Down	997·3	+6	W	1	o	41	95	7	5	-	-	10	10	5700	1	*	39	38	39	3	5	*
Calshot, (S'thmtn)	998·1	-12	SW	2	c	42	85	7	5	2	-	4-6	9+	800	1	1	42	41	36	1	5	0·0
Dungeness ...	*	*	S	5	id₀	*	*	4	6	-	*	10	10	1500	*	3	~~42~~ 43	40	*	Tr.	5	*
Lympne ...	1000·3	-6	SSE	4	d₀d₀	42	95	6	6	-	-	10	10	800	1	*	39	38	37	-	5	1·8
Shoeburyness	1000·3	-4	SSE	4	ir₀	42	95	7	5	2	-	4-6	10	1500	1	*	41	37	36	Tr.	1	3·3
Felixstowe ...	1001·5	0	SSE	6	r₀r₀	40	95	7	6	-	-	10	10	1500	1	4	40	39	36	-	2	3·2
Gorleston ...	1001·3	+2	SSE	6	r₀r₀	39	95	6	6	-	-	10	10	800	1	5	40	38	38	Tr.	2	1·2
Cranwell ...	999·8	+14	SE'E	2	df	38	95	3	6	-	-	10	10	1500	6	*	34	32	32	0·2	4	0·0
Cardington ...	1001·1	+14	ESE	1	o	43	95	6	5	-	-	10	10	1500	1	*	37	34	34	0·2	4	0·1
Birmingham ...	1000·0	+6	-	0	o	41	95	6	5	-	-	10	10	2500	1	*	34	34	33	3	6	0·0
Upper Heyford	998·9	+20	NE	1	c	41	95	7	6	2	8	7-8	10	1500	1	*	35	42	35	1	5	*
Leafield ...	998·2	+16	E	1	c	40	95	8	5	-	-	9+	9+	4000	1	*	34	34	33	3	5	0·0
Ross-on-Wye ...	999·8	+32	NWN	4	o/r	42	95	7	6	-	-	10	10	2500	1	*	40	40	38	2	3	0·0
Portland Bill....	997·9	+16	WNW	7	c/pr	44	75	8	8	-	-	10	10	1500	2	5	46	43	*	2	2	*
Plymouth ...	1005·1	+32	NNW	7	rr	42	85	7	6	2	-	9	10	800	2	3	50	41	39	13	4	0·0
Falmouth ...	1007·8	+22	NWW	8	c	44	65	7	8	-	2	4-6	7-8	4000	1	4	50	41	*	13	12	0·0
Scilly (St. Mary's)	1011·2	+34	NNW	8	bc	43	65	7	2	-	-	4-6	4-6	4000	1	6	50	43	*	7	4	0·2
Guernsey ...	1003·5	+20	WNW	6	o	44	76	7	5	-	-	10	10	2500	1	5	45	44	40	6	6	0·0
Pembroke ...	1005·2	+50	NW	8	c/pr	43	76	7	3	2	-	9	10	1500	2	4	49	40	*	16	17	0·0
Holyhead ...	1003·8	+52	NW	8	q	44	75	6	5	-	-	10	10	1500	1	4	44	41	41	4	3	0·0
Chester (Sealand)	1000·7	+52	NWW	5	id₀	42	95	6	6	-	-	10	10	1500	1	*	36	36	35	2	2	0·0
L'pool (Bidston)	1000·7	+50	NWW	4	r₀r₀	41	95	7	5	-	-	10	10	1500	1	*	35	35	33	5	1	0·0
Harrogate ...	999·8	+6	-	0	f	34	95	3	5	-	-	10	10	<150	7	*	33	31	29	3	6	0·0
Spurn Head ...	999·4	+2	SSE	4	dd	40	95	5	6	-	-	10	10	1500	1	6	38	35	*	-	4	0·0
Tynemouth ...	999·2	+12	S	2	ir₀	37	95	7	6	-	-	10	10	1500	1	3	37	~~32~~ 34	~~34~~ 32	2	5	*
Inchkeith ...	997·0	+8	SW	2	d₀d.	38	95	7	6	2	-	4-6	9+	1500	1	2	37	33	32	2	3	0·0
Leuchars ...	998·6	+14	-	0	o	35	95	5	5	-	-	10	10	~~800~~	7	*	36	32	32	4	7	0·0
Renfrew ...	1000·4	+40	WNW	2	c/r	36	95	8	5	2	-	7-8	10	2500	2	*	37	35	34	11	5	0·0
Eskdalemuir ...	999·3	+28	SSW	2	f	34	95	2	5	-	-	10	10	<150	8	*	32	31	31	4	6	0·0
Tiree ...	1003·4	+54	NW'N	7	bc	42	75	7	8	7	-	2-3	4-6	1500	1	*	44	36	36	20	7	0·0
Stornoway ...	998·5	+40	NW	6	ir	39	85	7	3	1	-	7-8	10	4000	2	3	42	37	*	25	20	0·0
Dalwhinnie ...	999·3	+38	SSE	1	o	32	95	7	5	-	-	10	10	800	9	*	31	26	*	12	11	0·0
Aberdeen ...	998·7	+6	SSW	3	d₀d₀	40	95	7	6	-	-	10	10	1500	1	2	38	35	33	5	22	0·0
Wick ...	996·2	+30	SSE	6	rr	40	95	6	6	-	-	10	10	1500	1	6	39	36	*	2	9	*
Lerwick ...	1002·2	-6	S'E	8	r₀r₀	38	95	7	6	-	-	10	10	1600	2	*	41	36	*	5	8	0·0
Blacksod Point	1013·7	+32	NNW	7	c	44	65	7	3	-	-	9	9	<150	0	6	50	37	*	16	1	*
Malin Head ...	1005·7	+50	NNW	7	c	48	65	7	5	-	-	9	9	4000	0	5	50	42	*	4	1	0·0
Aldergrove ...	1006·2	+40	WNW	4	rs	39	85	6	6	1	-	9	9+	800	1	*	47	38	37	12	4	0·0
Donaghadee ...	1008·3	+40	WNW	5	ir₀	42	75	7	6	-	-	9+	9+	800	1	3	46	41	*	15	4	*
Birr Castle ...	1011·9	+32	NW	3	b	37	75	8	-	5	-	0	1	-	1	*	52	37	34	4	1	0·0
Valentia Obsy.†	1017·6	+28	NNW	5	c	45	65	8	5	-	-	7-8	7-8	2500	1	4	52	40	38	12	1	0·0
Roches Point...	1012·5	+34	N	6	bc	44	85	8	3	-	-	2-3	2-3	1500	0	6	51	38	*	4	5	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h. (To-day)
Kew ...	18	c/x cz₀	cz ir₀ cr₀m₀	cr₀rm₀	40	38	36	0·3	1	0·7	•	•	3
Croydon ...	217	bf/x cm₀ ⊕	cm₀ ⊕	cor rdd	40	38	35	0·3	6	1·6	•	•	4
Greenwich (Royal Observatory) ...	149	bc ⊕	c⊕ od id	cddc	40	39	33	Tr.	1	1·0	69	94	5
City (Bunhill Row) ...	—	•	•	•	•	•	•	•	•	0·4	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	(40)	(36)	35	←1·6→		0·7	50	89	•
Regents Pk. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	•		•	•	•
Camden Square ...	110			•						•	•		•
Kensington Palace ...	80	o	o	•	40	38	35	0·6	2	•	At 18h. 85	95	•
Hampstead Observatory ...	450	om f or	or or	•	38	36	33	2	2	0·0	•	89	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

	Max.	Time.	Min.	Time.
South Kensington.	1·8	10h 31st	<0·3	0h-7h 1st
Kew Observatory.	0·6	10h 31st	<0·1	2h 1st

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.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day. mm.	Rainfall Night. mm.
Paris ...	1015·8	S	1	c	39	1005·7	SSE	3	r.r.	37	43	36	-	4
Brussels ...	1016·3	SSW	2	o	34	1007·0	SSE	4	is₀	36	34	32	-	-
Berlin ...	1021·9	NE	3	c	30	1018·1	ENE	2	o	30	32	28	Tr.	-
Zürich ...	1020·4	S	1	m	34						36		0·1	
Rome ...	1009·7	N	3	c	45	1007·9	NE	2	c	43	48		3	

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.
- 1 Smooth.
- 2 Slight.
- 3 Moderate.
- 4 Rough.
- 5 Very rough.
- 6 High.
- 7 Very high.
- 8 Precipitous.
- 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

TION

...1931.

URS.

Fall. Night 18h-7h mm. (35)	Sunshine 31st Hrs. (36)
1	0.7
6	1.6
4	0.0
8	0.0
5	*
5	0.0
5	*
5	1.8
1	3.3
2	3.2
2	1.2
4	0.0
4	0.1
6	0.0
5	*
5	0.0
3	0.0
2	*
4	0.0
12	0.0
4	0.2
6	0.0
17	0.0
3	0.0
2	0.0
1	0.0
6	0.0
4	0.0
5½	*
3	0.0
7	0.0
5	0.0
6	0.0
7	0.0
20	0.0
11	0.0
22	0.0
3	*
8	0.0
1	*
1	0.0
4	0.0
4	*
1	0.0
1	0.0
5	*

, etc.

—Code for ...ility. visible at ...5 yards. 220 ,, 550 ,, ..00 ,, 1¼ miles. 2½ ,, 6¼ ,, 2½ ,, 1 ,, ...ond 31m.

Code for ...a. ...y rough. ...h. ...y high. ...cipitous. ...fused.

...r.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 2nd February 1931.

No. 25274

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)	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)...	1004·7	+30	N	2	df	44	95	3	6	–	–	10	10	450
	Croydon ...	1004·2	+22	NW'N	2	of	46	85	3	8	–	–	10	10	2500
	S. Farnborough	1004·5	+34	WNW	2	rr	44	95	6	6	–	–	10	10	800
	Winchester ...	1006·0	+42	NNW	5	r_0r_0	41	95	7	6	–	–	10	10	800
	Boscombe Down	1006·8	+42	NNW	5	dd	41	95	7	6	–	–	10	10	1500
	Calshot, S'thmtn	1005·8	+42	NNW	6	ir_0	44	85	6	5	1	–	9 (7-8 in red)	10 (7-8 in red)	800
	Dungeness ...	*	*	SW	2	pr	*	*	7	8	–	*	9+ (7-8 in red)	9+ (7-8 in red)	1500
	Lympne ...	1003·9	+12	SE	4	o/f	43	95	5	5	–	–	10	10	220
2	Shoeburyness	1004·3	+20	SE	3	c	44	95	7	5	1	–	7-8	9	4000
	Felixstowe ...	1005·8	+18	SSE	3	o	42	95	7	5	–	–	10	10	1500
	Gorleston ...	1005·6	+20	SSE	4	r_0r_0	40	95	6	6	–	–	10	10	800
	Cranwell ...	1005·5	+22	W'N	3	m	40	95	4	5	–	–	10	10	450
3	Cardington ...	1005·1	+26	NNW	2	o	45	95	6	5	–	–	10	10	1500
	Birmingham ...	1007·6	+30	NNW	5	o	41	75	7	5	–	–	10	10	2500
	Upper Heyford	1006·1	+36	E'S	2	ir_0	41	95	6	6	2	–	7-8	10	800
	Leafield ...	1006·1	+34	NNW	5	r_0r_0	39	95	6	6	–	–	10	10	800
4	Ross-on-Wye ...	1008·3	+32	NNW	4	c	44	75	8	5	3	–	7-8	9+	2500
5	Portland Bill...	1007·2	+48	WNW	7	ir_0	43	85	8	8	4	–	7-8	9+	1500
	Plymouth ...	1011·9	+30	NNW	7	bc	44	65	8	9	–	–	2-3	2-3	1500
	Falmouth ...	1015·1	+20	NW	7	bc	45	55	7	7	–	–	4-6	4-6	4000
	Scilly (St. Mary's)	1017·7	+20	N'W	6	bc	47	55	8	2	–	–	4-6	4-6	4000
	Guernsey ...	1010·5	+30	NW	5	o/d	45	65	6	5	–	–	10	10	2500
6	Pembroke ...	1012·7	+26	NW	6	q	44	75	7	1	4	–	·1	2-3	2500
7	Holyhead ...	1010·5	+26	NW'N	7	q	43	65	8	4	3	–	Tr	1	2500
	Chester (Sealand)	1008·5	+32	NW'N	7	c	44	75	7	5	2	–	4-6	9+	2500
8	L'pool (Bidston)	1008·1	+26	WNW	6	q	42	75	7	6	7	–	4-6	7-8	2500
9	Harrogate ...	1005·9	+20	SW	1	o	37	95	6	6	–	–	10	10	2500
10	Spurn Head ...	1004·6	+10	SE'S	1	m	40	95	4	5	–	–	10	10	220
	Tynemouth ...	1004·6	+20	WNW	2	m	40	85	4	6	–	–	10	10	1500
11	Inchkeith ...	1005·8	+20	W	3	ir_0	38	95	7	5	2	–	4-6	9+	1500
	Leuchars ...	1005·1	+22	WNW	3	c/r	38	85	8	6	2	–	4-6	10	1500
12	Renfrew ...	1008·0	+32	WNW	3	bc	43	65	8	5	3	–	1	2-3	4000
	Eskdalemuir ...	1006·8	+30	NW'W	4	c	37	85	8	5	3	–	7-8	9	2500
13A	Tiree ...	1009·3	+16	WNW	5	c/p	41	75	7	8	–	–	7-8	7-8	1500
13B	Stornoway ...	1005·2	+16	WNW	4	bc/p	39	85	7	3	6	–	2-3	4-6	4000
15	Dalwhinnie ...	1007·0	+30	WNW	2	bc	34	85	8	5	–	–	4-6	4-6	1500
	Aberdeen ...	1003·8	+16	W	3	r_0r_0	39	85	6	6	2	–	4-6	10	4000
	Wick ...	1002·2	+22	WNW	3	c	40	85	7	3	–	–	10	10	1500
16	Lerwick ...	1001·7	-10	S'E	8	r_0r_0	40	85	7	6	–	–	10	10	1500
17	Blacksod Point	1015·2	+12	WNW	5	c	45	65	8	5	–	–	7-8	7-8	800
18	Malin Head ...	1010·9	+14	NW'W	6	bc/p	43	85	7	3	8	–	4-6	4-6	2500
	Aldergrove ...	1011·5	+16	WNW	4	bc/p	42	65	8	8	–	–	2-3	2-3	4000
	Donaghadee ...	1010·2	+20	NW	4	bc	43	65	7	3	4	–	4-6	4-6	1500
19	Birr Castle ...	1015·3	+10	NW	2	bc	45	65	8	–	3	–	0	2-3	–
20	Valentia Obsy.	1018·6	0	WNW	3	c	47	65	8	7	–	–	7-8	7-8	2500
	Roches Point...	1017·3	+14	N	4	bc	45	85	8	3	–	–	2-3	2-3	1500

OBSERVATIONS at 18h. G.M.T. 1st 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)...	1010·8	+40	NNW	3	o	42	85	5	5	–	–	10	10	1500	1	*
	Croydon ...	1010·9	+44	NW'N	4	rr	41	95	4	6	–	–	10	10	450	1	*
	S. Farnborough	1010·9	+34	NNW	3	o	41	85	6	5	–	–	10	10	1500	1	*
	Winchester ...	1012·1	+38	NNW	5	c	42	75	7	5	–	–	9+	9+	1500	1	*
	Boscombe Down	1012·9	+38	NNW	4	c	41	75	7	5	–	–	7-8	7-8	2600	1	*
	Calshot, S'thmtn	1012·2	+38	NW'N	5	c	43	75	7	5	2	–	9	10	800	1	2
	Dungeness ...	*	*	SSE	2	pr	*	*	5	8	–	*	9+	9+	800	*	2
	Lympne ...	1008·8	+34	E'S	1	rr	42	95	4	6	–	–	10	10	220	1	*
2	Shoeburyness	1009·6	+30	–	0	c	42	95	7	5	1	–	4-6	9	4000	1	*
	Felixstowe ...	1009·8	+28	ENE	1	3	42	95	6	5	–	–	10	10	1500	0	2
	Gorleston ...	1009·8	+22	SE'S	2	c	41	95	6	5	2	–	4-6	10	1500	1	3
	Cranwell ...	1010·9	+30	NW'W	3	o	38	95	6	5	–	–	10	10	1500	1	*
3	Cardington ...	1010·5	+36	NNW	3	o	41	85	6	5	–	–	10	10	2500	1	*
	Birmingham ...	1012·1	+36	NNW	5	c	40	75	7	5	4	–	4-6	7-8	2500	1	*
	Upper Heyford	1012·1	+38	NNW	4	c	40	85	7	5	–	–	9	9	1500	1	*
	Leafield ...	1011·9	+34	NNW	6	bc	39	75	8	5	–	–	4-6	4-6	2500	1	*
4	Ross-on-Wye ...	1013·6	+32	NW'W	3	b	39	75	8	–	–	1	0	Tr	–	1	*
5	Portland Bill...	1013·9	+40	NW'W	6	bc	43	75	8	4	–	–	2-3	2-3	2500	1	4
	Plymouth ...	1017·0	+30	NW	4	bc	42	65	8	3	–	–	2-3	2-3	1500	2	3
	Falmouth ...	1018·2	+14	NW'N	4	bc	43	65	8	8	–	2	4-6	4-6	4000	0	1
	Scilly (St. Mary's)	1019·2	+10	NW	5	c	45	65	8	8	–	8	7-8	9	4000	0	4
	Guernsey ...	1013·5	+34	NNW	5	c	44	65	7	5	–	–	7-8	7-8	2500	1	5
6	Pembroke ...	1016·1	+18	NW	4	bc	43	85	8	1	6	–	2-3	4-6	2500	1	3
7	Holyhead ...	1014·1	+18	NW'N	5	c	43	75	8	7	8	9	4-6	7-8 (4-6 in red)	2500	1	3
	Chester (Sealand)	1013·7	+30	NW'W	3	b	39	75	7	5	3	–	Tr	1	2500	1	*
8	L'pool (Bidston)	1013·0	+24	WNW	5	bc	40	75	8	1	5	–	1	4-6	4000	0	*
9	Harrogate ...	1011·1	+26	WSW	2	c	37	85	6	9	–	–	9	9	4000	3	*
10	Spurn Head ...	1009·5	+14	NW	3	ir	39	95	6	6	–	–	10	10	1500	1	4
	Tynemouth ...	1009·7	+20	W	2	o	38	85	6	6	–	–	10	10	1500	1	2
11	Inchkeith ...	1009·2	+16	W	3	bc	38	95	8	5	8	–	1	2-3	1500	0	2
	Leuchars ...	1008·9	+22	NW	1	b	36	75	8	5	–	–	1	1	4000	7	*
12	Renfrew ...	1011·4	+20	W	2	b	34	85	7	2	–	–	1	1	4000	1	*
	Eskdalemuir ...	1012·2	+32	W	2	b	34	65	8	1	–	–	Tr	Tr	2500	6	*
13A	Tiree ...	1010·2	+6	W'S	3	c/pr	39	75	8	8	7	–	4-6	7-8	1500	1	3
13B	Stornoway ...	1005·4	+4	WSW	3	c/p	36	95	8	3	8	–	4-6	7-8	4000	1	2
15	Dalwhinnie ...	1009·1	+8	WSW	2	bc	31	85	8	1	–	–	2-3	2-3	4000	9	*
	Aberdeen ...	1007·5	+20	WNW	3	c	38	75	8	5	–	–	7-8	7-8	2500	1	2
	Wick ...	1005·3	+16	WNW	3	bc	34	85	8	8	6	–	4-6	4-6	1500	1	4
16	Lerwick ...	1001·6	+10	S'W	2	rr	38	95	7	6	–	–	10	10	1500	2	*
17	Blacksod Point	1014·5	-2	WSW	3	c	45	65	8	3	–	–	10	10	<150	0	3
18	Malin Head ...	1011·9	+6	WNW	3	c	41	85	8	5	–	–	9+	9+	4000	0	3
	Aldergrove ...	1014·1	+20	SW'S	3	c	37	85	8	5	2	–	7-8	7-8	4000	0	*
	Donaghadee ...	1013·3	+12	W	2	bc	38	75	7	7	3	–	2-3	4-6	2500	0	1
19	Birr Castle ...	1016·2	+2	SSW	1	o	41	85	8	5	–	–	10	10	2500	1	*
20	Valentia Obsy.	1017·5	-10	S'W	2	o	46	75	8	5	–	–	10	10	2500	1	3
	Roches Point...	1018·0	+6	N	3	c	44	75	8	3	–	–	7-8	7-8	1500	0	2

PAST 24 HOURS.

District	Stations	Weather 7h.—13h. 1st (37)	Weather 13h.—18h. 1st (38)	Weather 18h 1st to 1h. 2nd (39)	Weather 1h.—7h. 2nd (40)
1	London (Kew)...	$cfofd_0d_0$	$or_0rr_0om_0$	cm_0	$bxbcxm_0$
	Croydon ...	cmm_0f	$offd_0r_0omrr$	$omrcm_0$	cbm_0x
	S. Farnborough	cid_0orrm_0	$orrom_0$	$oirm_0b$	bm_0x
	Winchester ...	$cid_0r_0r_0$	or_0r_0c	cbcbx	bx
	Boscombe Down	$cr_0r_0rrd_0d_0$	cbd_0c	c, b	bx
	Calshot, S'thmtn	cm_0dir_0q	cm_0ir_0c	cbcb	bbx
	Dungeness ...	p	p	•	o
	Lympne ...	od_0d_0rf	$od_0d_0r_0fm$	$od_0d_0cm_0$	cm_0
2	Shoeburyness	oir	c	cid_0	bc
	Felixstowe ...	or_0r_0o	om_0	om_0rr	om_0cm_0
	Gorleston ...	or_0r_0q	$or_0r_0qm_0m_0$	$cor_0r_0m_0$	or_0c
	Cranwell ...	$ofid_0r_0m$	$omcr_0$	cm_0	cm_0
3	Cardington ...	ocr_0om_0	or_0m_0	ocb	$bxbcxm_0$
	Birmingham ...	oFrc	or	bcb	bbcx
	Upper Heyford	$cdRm_0$	cm_0	cbcb	bbcx
	Leafield ...	cor_0r_0	cr_0cbc	bcbx	bx
4	Ross-on-Wye ...	oddrc	cbcb	bbxbc⊕	bcmx
5	Portland Bill...	cir_0	cir_0cbc	bbc	bc
	Plymouth ...	cqrb	bcqb	bbc	b, c
	Falmouth ...	cbcq	bcq	bcc	cir_0
	Scilly (St. Mary's)	bcph?	cbcc	c	cir
	Guernsey ...	$oqid_0$	ocbcc	cbc	bccv
6	Pembroke ...	cbcbq?	bbc	bcc	bcc
7	Holyhead ...	cbcbq	bqb	bc	c
	Chester (Sealand)	idqc	cqbc	$bbcm_0$	$bccm_0$
8	L'pool (Bidston)	ir_0cq	cqbvb	bcp_0c	bcc
9	Harrogate ...	ofmo	oc	cbc	bcc
10	Spurn Head ...	odom	odFmr	orc	cx
	Tynemouth ...	orr_0ff	om	obc	bcc
11	Inchkeith ...	oir_0	cbc	bc	c
	Leuchars ...	$orrr_0m_0$	cr_0cb	b	b, c
12	Renfrew ...	cr_0cb	b	bbcc	ccr_0
	Eskdalemuir ...	$ofcir_0c$	cb	bxbc	bcc
13A	Tiree ...	bc	$bccpr_0bc$	qbcc	cbc
13B	Stornoway ...	cpr_0	$bcps_0$	$cphr_0$	cpr
15	Dalwhinnie ...	psc	cbc	psobc	bcc
	Aberdeen ...	$or_0r_0m_0$	cir_0s_0	bcbx	bcx
	Wick ...	$orrm_0or_0rc$	cbc	bc	bcc
16	Lerwick ...	or_0r_0 q?	orr q?	$qrrr_0r_0q$	cbc
17	Blacksod Point	c	c	c	ir
18	Malin Head ...	cbcqphr?	bcc	cr_0bccq	cz_0
	Aldergrove ...	$crs_0cbbcjp$	$bcprh_0$	cbcwcw	cw
	Donaghadee ...	cbcq	bc	bbc	bcc
19	Birr Castle ...	bc	bcc	c	corrc
20	Valentia Obsy.	cp_0bcc	c	r_0rr	rrirc
	Roches Point...	bcp_0bc	bcp_0c	$ccir_0$	$cir_0od_0d_0$

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.
m, mist, ,, 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

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.

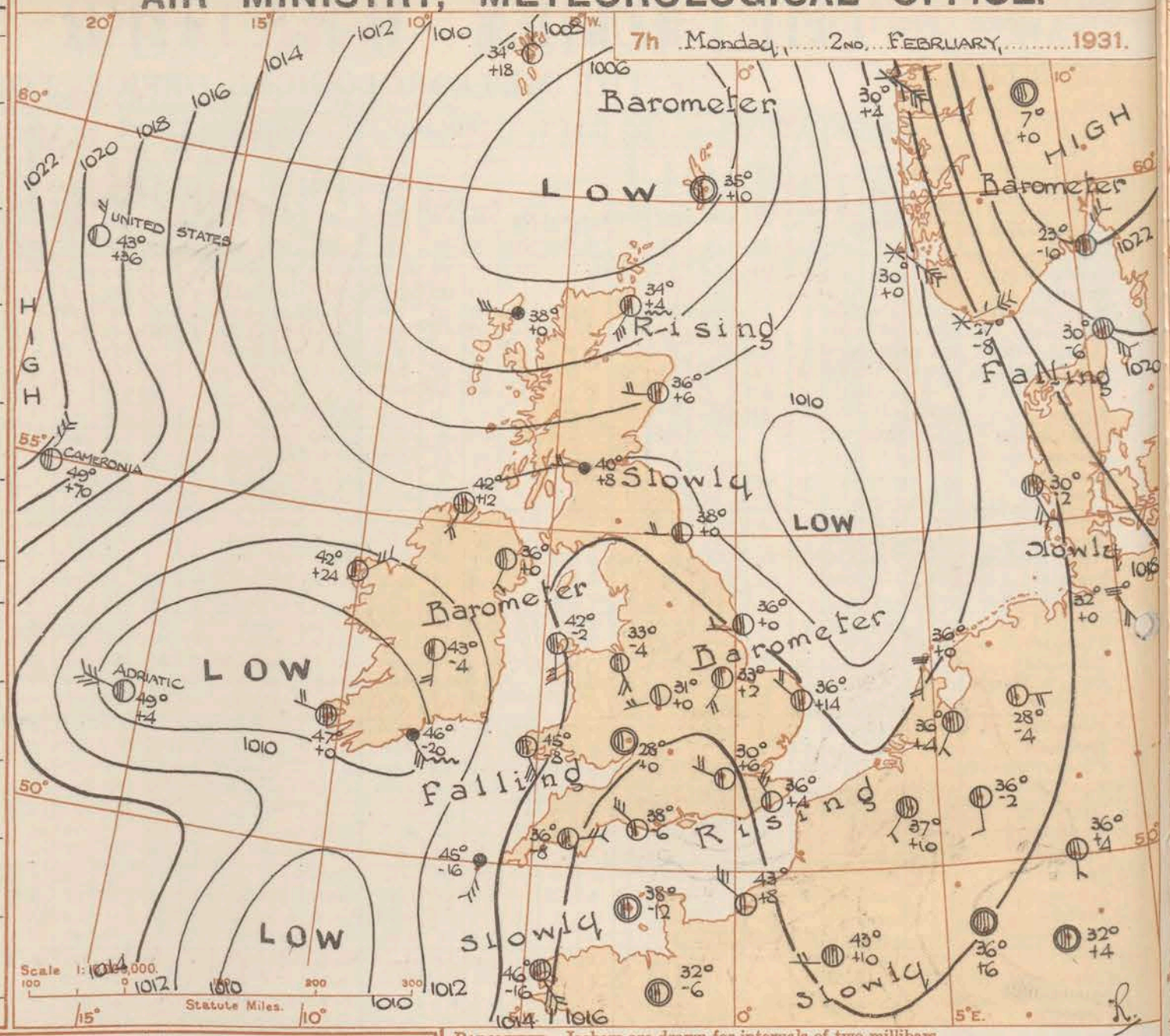
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 1st February 1931.

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.	ocbc	cordn	29	47	7	2	0.7
	Bournemouth	obc	rco	37	44	8	0.3	1.1
	Ventnor ...	oroud	c	38	45	5	Trace	1.3
	Southsea ...	oid	cidc	35	45	7	0.4	0.6
	Bognor Regis	occo	crro	35	46	6	1	0.1
	Littlehampton	cbcc	ccr	32	46	8	1	0.1
	Worthing ...	ro r	rR	33	46	9	5	0.0
	Brighton ...	c	cord	36	46	8	2	0.2
	Eastbourne†	codd	odd	41	45	7	0.5	0.4
	Hastings† ...	copoc	codoo	40	45	7	0.4	0.3
	Folkestone ...	orid	oid	34	45	2	1	0.0
	Dover... ...	oiro	oidc	37	44	1	0.2	0.0
	Deal	o	oro o	38	45	6	0.3	0.0
	Ramsgate ...	o	odc	39	44	2	0.2	0.0
	Margate ...	cd	cd	38	44	1	0.4	0.0
2	Southend ...	oirco	orcom	31	44	1	2	0.7
	Maldon ...	oid	oid	37	45	8	0.3	0.0
	Clacton-on-Sea	croc	cdc	33	42	3	0.4	0.0
	Dovercourt ...	roc	doc	34	42	4	Trace	0.0
	Lowestoft ...	oido	odoo	36	41	2	1	0.0
	Skegness ...	omo	omo	35	43	2	Trace	0.0
	Mablethorpe	oromo	oromo	33	43	?	0.3	0.0
	Cleethorpes ...	romrf	droo	32	41	7	2	0.0
3	Leamington S.	or	c	34	43	3	–	0.0
4	Cheltenham†	moiro	oroc	36	43	6	1	0.1
5	Bath	rrc	cro	35	44	7	4	0.0
	Weymouth ...	bcpbc	ccb	37	44	1	Trace	2.1
	Jersey ...	cpc	c	40	46	8	Trace	0.0
	Torquay ...	Rpcq	bcpobqo	40	46	4	Trace	6.8
	Penzance ...	bq	bq	44	48	10	–	6.8
	St. Ives ...	b	bc	43	46	4	–	5.0
	Bude	rcbc	bc	38	48	9	–	4.0
	Ilfracombe ...	oc	bcc	37	45	11	–	1.0
6	Aberystwyth	cir	cirbc	37	43	5	0.5	2.3
7	Llandudno ...	cpc	cbcc	34	45	3	0.1	1.5
	Colwyn Bay...	ro	bcbco	39	44	3	–	0.9
	Rhyl	cpr	bc	34	45	1	–	0.1
8	Wallasey ...	c	cb	32	43	2	–	0.5
	Southport‖ ...	cbc	cbc	32	43	2	–	1.2
	Blackpool ...	oc	cbc	33	43	3	–	1.2
	Morecambe ...	rdcbb	bbccb	41	43	11	–	1.2
9	Ilkley... ...	o	o	32	38	9	–	0.0
10	Berwick-on-T.	o	oc	32	42	3	–	0.0
11	Dunbar ...	odr	bc	31	39	6	2	0.0
12	Douglas ...	cbqbc	bccb	37	44	14	–	5.4

† 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 the wind. Number of feathers indicate Beaufort force. Calm. – ⊙
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. ▲ 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. 2nd. Feb. 1931
1. S.E. England 2. E. England... 3. E. Midlands	Light or moderate northwest to variable or southerly winds, probably northwest or north again tomorrow; fair at first but cloud increasing, probably some light rain or drizzle later in the period, temperature about normal.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind southerly, moderate or fresh, becoming from a northerly direction, moderate to strong; cloudy, some rain or drizzle, showers and bright periods later; temperature about normal.
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.	Winds between west and northwest, moderate to fresh probably becoming northerly later; cloudy or variable sky, local rain or showers; temperature about normal; local night frost.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Northerly winds, moderate to strong, variable sky, showers; temperature about normal, perhaps local night frost inland.

GENERAL INFERENCE.

A trough of low pressure from the Faeroes down the North Sea continues to fill up, while a complex low pressure area has developed over Southern Ireland and the Bay of Biscay. One centre, over Southern Ireland, will probably fill up, while the other, over the Bay of Biscay, is likely to move east or southeast across France. Bright intervals with showers will occur in the North, but in the South cloud will increase with rain or drizzle spreading eastward later.

FURTHER OUTLOOK.

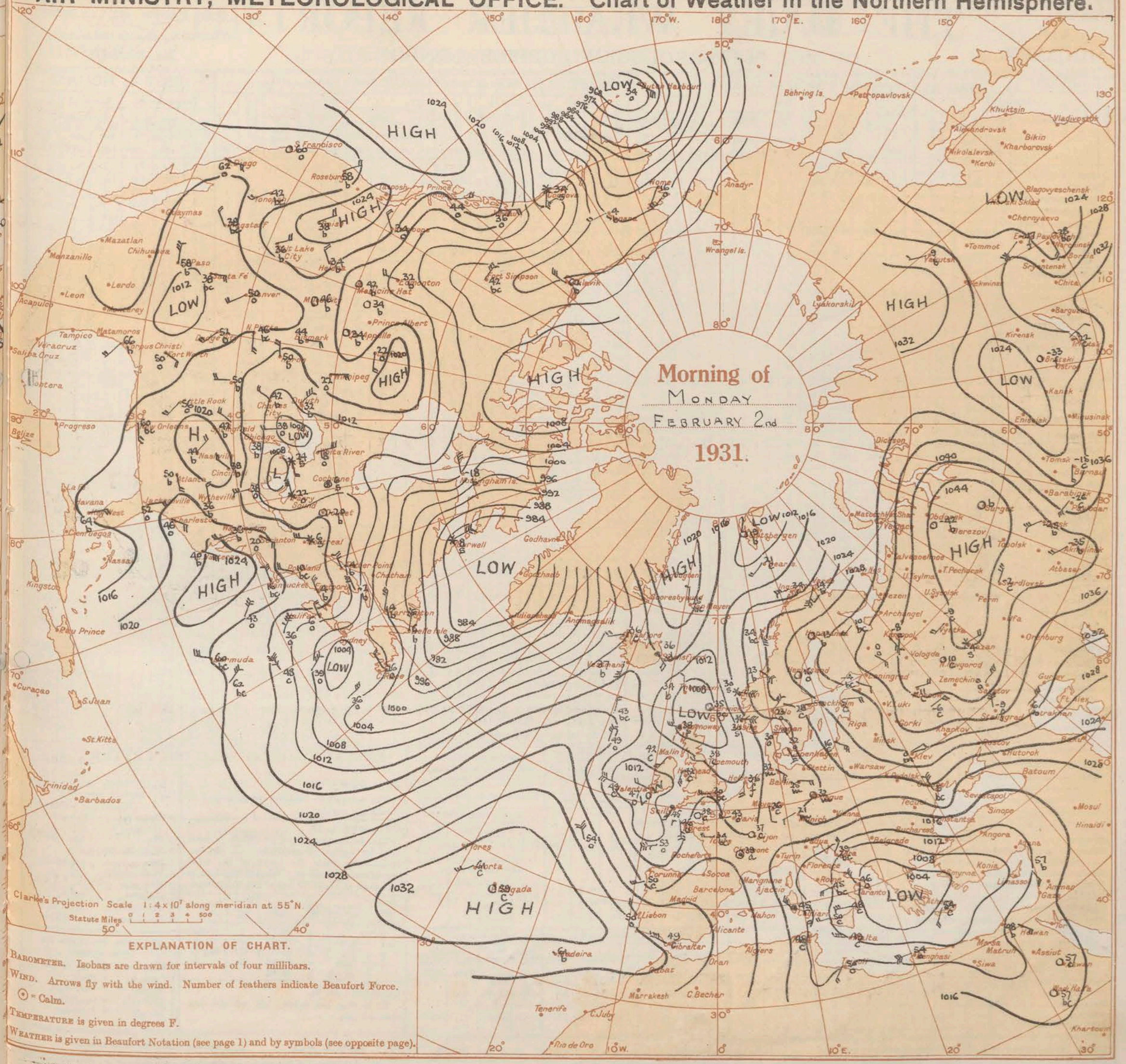
Uncertain.

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.



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 2nd February 1931.

No. 25274.

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)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1015.2	+12	NW'N	3	z	39	75	6	5	-	-	9+	9+	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1015.9	+14	NW	3	bc	36	85	8	-	-	5	0	2-3	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1013.3	+18	N'W	4	c/d	39	95	6	5	-	-	10	10	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1012.8	+10	NW'N	2	r₀r₀	41	95	5	6	-	-	10	10	800
	Cranwell ...	240	1014.6	+10	W'S	3	c	33	85	6	-	5	6	0	9	-
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	1016.5	+6	NW	4	bc	41	75	8	4	4	-	4-6	4-6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1018.2	0	WNW	1	c	44	65	8	5	-	-	10	10	4000
	Scilly (St. Mary's)	162	1017.6	+16	SSW	2	c	44	85	8	5	-	-	9+	9+	4000
	Guernsey ...	175	1018.0	+4	-	0	bc	42	65	9	7	-	-	4-6	4-6	2500
6	Pembroke ...	142	1015.7	-4	-	0	bc	42	85	8	5	3	9	2-3	4-6	4000
7	Holyhead ...	26	1014.5	-2	W'S	3	c	41	85	6	1	-	9	1	9+	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1013.2	+6	NW	4	c	36	95	7	-	2	2	0	7-8	-
	Tynemouth ...	67	1012.3	+10	W	3	bc	33	85	7	2	-	-	2-3	2-3	2500
11	Inchkeith ...	190	1011.0	0	SW	3	bc	37	95	7	5	7	-	2-3	4-6	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1006.3	+4	SW	1	pr	36	95	7	3	2	-	7-8	10	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1005.6	0	SW	3	bc	34	95	8	7	8	-	4-6	4-6	2500
16	Lerwick ...	54	1003.3	0	-	0	c	37	85	8	6	2	-	4-6	7-8	1500
17	Blacksod Point	18	(1010.2)	-10	S	3	RR	44	85	7	6	-	-	10	10	<150
18	Malin Head ...	52	1011.3	0	SW	3	c	41	85	8	5	-	-	9+	9+	2500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1009.8	-20	S	5	r	46	95	6	3	-	-	10	10	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
London (Kew)	1016.2	+6	WSW	1	bc	31	95	5	5	-	4	2-3	2-3	2500
Croydon	1016.2	+6	W'N	2	z	30	95	6	-	3	1	0	2-3	-
S. Farnborough	1016.0	+2	WNW	1	b	28	95	7	-	4	-	0	Tr.	-
Winchester	1016.2	0	-	0	b	29	95	7	-	4	-	0	Tr.	0
Boscombe Down	1016.7	0	-	0	b	30	95	7	-	4	-	0	Tr.	-
Calshot, (S'thmtn)	1016.2	+2	W	2	b	28	85	8	-	4	-	0	1	-
Dungeness	*	*	NNW	2	z	*	*	5	5	-	*	9+	9+	4000
Lympne	1014.7	+4	N'W	3	z	36	95	6	5	-	-	10	10	4000
Shoeburyness	1015.3	+6	W	1	bc	32	95	5	-	-	1	0	4-6	-
Felixstowe	1015.6	+10	NW	2	z	35	85	6	5	2	-	7-8	10	2500
Gorleston	1014.5	+14	NW	2	c	36	95	6	4	6	-	4-6	9	4000
Cranwell	1015.0	+2	SW	2	c	33	95	6	-	7	6	0	9	-
Cardington	1015.5	0	WSW	2	c	29	95	5	-	7	4	0	7-8	-
Birmingham	1015.8	0	WSW	2	bc	31	85	7	-	-	6	0	4-6	-
Upper Heyford	1016.4	0	WSW	1	bc	28	95	7	-	1	8	0	4-6	-
Leafield	1015.5	0	W'N	1	b	31	85	8	-	4	-	0	1	-
Ross-on-Wye	1015.9	0	-	0	m	28	95	4	-	1	2	0	4-6	-
Portland Bill	1016.1	-6	NW	3	bc	38	75	8	4	4	-	2-3	4-6	2500
Plymouth	1015.6	-10	E	4	c	36	85	8	1	3	3	2-3	7-8	5700
Falmouth	1014.8	-14	S'E	4	c/r	46	75	8	5	1	-	4-6	9	4000
Scilly (St. Mary's)	1013.5	-16	SSW	4	ir₀	45	95	6	5	-	-	9+	9+	4000
Guernsey	1017.2	-12	-	0	c	38	85	9	5	-	-	7-8	7-8	4000
Pembroke	1013.2	-8	SSE	3	c	45	85	8	5	2	-	4-6	10	4000
Holyhead	1013.8	-2	S'W	3	c	42	85	7	5	2	-	7-8	9+	4000
Chester (Sealand)	1014.8	-4	SSE	2	z	33	95	6	5	-	5	4-6	9	5700
L'pool (Bidston)	1014.3	-4	S	2	c	37	85	8	7	1	-	2-3	7-8	2500
Harrogate	1014.0	0	SSW	1	c	35	95	5	9	-	-	9	9	4000
Spurn Head	1013.9	0	W	1	c	36	95	6	-	2	-	0	9	-
Tynemouth	1012.4	0	W	2	c	38	85	6	6	-	-	7-8	7-8	1500
Inchkeith	1011.0	0	WSW	3	c	38	95	7	5	2	-	7-8	10	800
Leuchars	1011.0	+2	WSW	3	c	35	95	8	5	3	-	7-8	9	4000
Renfrew	1012.2	+8	W	2	ir₀	40	95	8	8	1	-	7-8	10	2500
Eskdalemuir	1013.0	+2	WSW	3	c	34	95	7	5	-	-	9+	9+	2500
Tiree (red)	1011.3	+14	WNW	5	bc	42	65	8	8	7	-	4-6	4-6	2500
Stornoway	1006.6	0	W	3	pr	38	85	7	6	-	-	9+	9+	4000
Dalwhinnie	1010.2	+4	W	3	c	35	85	7	5	4	-	4-6	7-8	2500
Aberdeen	1009.6	+6	W	2	c	36	85	8	5	-	-	9	9	4000
Wick	1007.2	+4	SW	3	c	34	95	8	8	2	-	4-6	7-8	1500
Lerwick	1005.0	+10	-	0	bc	35	95	8	5	-	-	2-3	2-3	1500
Blacksod Point	1011.3	+24	ENE	4	bc	42	85	7	-	4	-	0	4-6	-
Malin Head	1012.6	+12	SW	2	c	42	85	6	5	-	-	9+	9+	2500
Aldergrove	1013.7	0	S'W	1	c	36	85	7	-	7	-	0	9	-
Donaghadee	1012.9	-0	WSW	2	c	37	85	7	5	-	-	7-8	7-8	1500
Birr Castle	1011.2	-4	S	2	c	43	95	8	-	7	-	0	9+	-
Valentia Obsy.†	1009.7	0	W'N	2	o/r	47	95	7	6	-	-	10	10	800
Roches Point	1009.4	-20	SE	3	d₀d₀	46	95	6	5	-	-	10	10	800

PAST 24 HOURS.

Stations	State of Ground 0–9 (29)	Sea 0–9 (30)	Temperature Max. Day 7h–18h °F. (31)	Temperature Min. Night 18h–7h °F. (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 1st Hrs. (36)
London (Kew)	4	*	46	31	21	3	Tr.	0.0
Croydon	1	*	47	30	25	4	0.6	0.0
S. Farnborough	4	*	44	28	17	3	Tr.	0.0
Winchester	Tr.	*	44	29	20	1	—	0.0
Boscombe Down	4	*	42	29	20 (red 20)	2	—	·
Calshot, (S'thmtn)	0	0	(44) 45 (red)	27	19	04	—	0.0 (red 4 in margin)
Dungeness	*	2 (red)	46	36	*	3	0.1 (red)	*
Lympne	1	*	43	35	35	3	1	0.0
Shoeburyness	0	*	45	31	26	0.5	Tr.	0.6
Felixstowe	1	2	42	35	32	Tr	0.2	0.0
Gorleston	1	2	41	36	35	1	0.5	0.0
Cranwell	4	*	41	31	27	1	—	0.0
Cardington	4	*	45	29	25	1	Tr.	0.0
Birmingham	1	*	41	31	24	1	—	0.0
Upper Heyford	4	*	44	28	21	1	—	·
Leafield	4	*	42	30	18	1	—	0.2
Ross-on-Wye	4	*	44	28	18	2	—	0.3
Portland Bill	1	3	45	37	*	0.2	—	*
Plymouth	2	1	45	35	33	1	—	3.7
Falmouth	0	2	45	43	*	—	Tr.	7.5
Scilly (St. Mary's)	1	2	47	42	*	0.2	1	6.7
Guernsey	0	2	46 (6 in red)	38	26	Tr	—	1.0
Pembroke	0	2	44	41	*	—	—	5.0
Holyhead	1	0	44	38	28	—	—	4.9
Chester (Sealand)	4	*	44	31	26	0.3	—	0.0
L'pool (Bidston)	0	*	43	36	31	0.1	Tr.	0.3
Harrogate	6	*	38	30	24	—	—	0.4
Spurn Head	4	3	41	34	·	1	0.1	0.0
Tynemouth	0	2	40	33	28	0.5	—	·
Inchkeith	0	1	41	35	32	Tr	—	0.9
Leuchars	8	*	39	28	24	2	—	0.2
Renfrew	1	*	43	33	28	0.1	Tr.	4.7
Eskdalemuir	6	*	38	27	22	0.2	—	2.1
Tiree (red)	1	3	43	40	33	0.3	0.1	5.8
Stornoway	1	2	43	34	*	1	2	4.3
Dalwhinnie	9	*	35 (red)	30	*	1 (red)	1	0.1
Aberdeen	4	2	40	32	25	1	—	0.0
Wick	4	4	40	32	·	3	—	*
Lerwick	1	*	40	35	·	15	4	0.0
Blacksod Point	1	3	46	41	·	—	5	*
Malin Head	0	2	44	39	*	0.3	0.5	4.1
Aldergrove	1	*	42	34	31	Tr	Tr.	6.1
Donaghadee	0	1	45	34	*	0.3	—	*
Birr Castle	1	*	45	38	36	—	1	3.7
Valentia Obsy.†	1	·	48	44	42	0.1	7	1.9
Roches Point	1	4	46	43	*	0.1	5	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
		24 hrs. ended 9h.											
Kew ...	18	cfofdd	or₀r₀om	cbxbcm	46	31	21	3	Tr	0.0	·	·	3
Croydon ...	217	cmmf	ofd r₀r₀r	omrcbx	47	30	25	4	0.6	0.0	·	·	4
Greenwich (Royal Observatory) ...	149	cd d₀ f	cdr	cbxf	47	29	19	4	Tr.	0.0	96	95	3
City (Bunhill Row) ...	—	·	·	·	·	·	·	·	·	0.0	·	·	·
Westminster (St. James' Park) ...	27	·	·	·	46 (red)	30 (red)	25 (red)	←1.3→ (red)		0.0	64 (red)	92 (red)	·
Regents Pk. (Botanic Gardens) ...	168	·	·	·	·	·	·	·	·	0.0	·	·	·
Camden Square ...	110	cffd	for	·	44	33	22	2	—	·	·	93	·
Kensington Palace ...	80	oorm	odr	·	45	31	23	2	0.3	·	At 18h 9!	92	·
Hampstead Observatory ...	450	ofom	ormon	·	44	27	17	2	Tr.	0.0	·	92	·

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 2nd.

South Kensington. Max.	Time.	Min.	Time.
1.3	13h 1st	<0.3	0h–3h 2nd

Kew Observatory. Max.	Time.	Min.	Time.
1.0	12h 1st	0.1	8h 1st

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.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris ...	1010.2	SW	3	ir₀	43	1015.4	W	2	o	43	46	43	1	0.3
Brussels ...	1011.2	S'E	2	is₀	37	1015.0	SW	1	o	37	39	34	0.1	—
Berlin ...	1018.7	E	3	o	30	1019.5	ESE	2	m	25	34	23	Tr.	—
Zürich ...						1018.4	S	1	s₀s₀	30		30		0.2
Rome ...	1008.2	NNE	3	bc	45						?		—	

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.

† 1 hr observations are from Valentia W/T station

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 3rd February 1931.

No. 25275

OBSERVATIONS at 13h. G.M.T. 2nd 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)	1017.1	+6	W'N	1	bcm	39	78	4	-	3	4	0	2.3	-
	Croydon	1017.0	+2	NW	2	bcg	40	65	5	-	7	1	0	4.6	-
	S. Farnborough	1016.6	0	WNW	1	bc	45	55	6	1	4	1	2.3	4.6	4000
	Winchester	1017.0	0	S	1	bc	45	65	6	-	7	1	0	4.6	-
	Boscombe Down	1016.9	+2	SSW	3	b	43	65	6	1	-	1	Tr.	1	2500
	Calshot, S'thmtn	1016.8	-2	N'W	1	bc	41	76	6	-	4	9	0	4.6	-
	Dungeness	*	*	NW	2	c3	*	*	6	-	7	*	0	9	-
	Lympne	1016.0	+2	NNW	3	c3	42	55	6	-	5	-	0	7.8	-
2	Shoeburyness	1016.3	0	NW'W	2	c	42	65	6	-	7	-	0	7.8	-
	Felixstowe	1016.4	+6	NW'W	2	c3	41	75	5	-	3	-	0	7.8	-
	Gorleston	1015.2	0	NW'W	2	c	40	95	6	4	-	8	4.6	9	4000
	Cranwell	1015.8	-4	SW	3	cm	39	85	4	5	7	-	4.6	10	4000
3	Cardington	1016.5	-2	WSW	2	c	46	65	6	-	3	6	0	9	-
	Birmingham	1016.4	+8	WSW	2	c	42	65	7	-	5	-	0	7.8	-
	Upper Heyford	1016.7	-2	SW'W	2	bc	45	65	7	1	3	8	1	4.6	2500
	Leafield	1016.1	+10	WSW	2	bc	42	65	7	1	3	1	Tr.	4.6	5700
4	Ross-on-Wye	1016.5	+6	W'N	2	bcm	40	85	6	-	4	2	0	4.6	-
5	Portland Bill	1016.4	0	S	3	bc	44	85	8	-	4	-	0	4.6	-
	Plymouth	1015.9	0	S	4	c	47	75	8	6	2	-	7.8	9+	2500
	Falmouth	1015.5	+2	S'E	4	c	47	85	8	8	1	-	4.6	9	4000
	Scilly (St. Mary's)	1013.7	+4	S'E	5	c/d	47	95	7	8	-	-	9	9	4000
	Guernsey	1016.7	-2	-	0	bc	46	65	8	5	-	-	4.6	4.6	2500
6	Pembroke	1015.2	+8	SE	3	c	46	85	7	5	-	-	9+	9+	2500
7	Holyhead	1015.6	+2	SSW	3	r₀r₀	44	95	6	6	-	-	10	10	1500
	Chester (Sealand)	1016.3	-2	SSE	1	cm₀	39	85	5	5	-	-	9+	9+	5700
8	L'pool (Bidston)	1015.9	0	SSE	2	c	42	85	5	5	2	-	4.6	10	4000
9	Harrogate	1014.8	0	SW	2	c	38	85	6	8	2	-	7.8	9	5700
10	Spurn Head	1014.9	-2	W'N	3	cm	38	85	4	5	3	-	7.8	10	220
	Tynemouth	1013.7	+2	W	2	bc	41	75	5	2	-	-	4.6	4.6	2500
11	Inchkeith	1012.0	-4	WSW	3	bc	42	85	7	5	8	-	2.3	4.6	800
	Leuchars	1010.5	-8	SW	3	bc	40	75	8	-	4	-	0	2.3	-
12	Renfrew	1013.4	-2	W'N	2	bc	46	95	8	8	-	-	4.6	4.6	2500
	Eskdalemuir	1013.6	-2	W	4	prs	37	85	7	5	-	-	9	9	1500
13A	Tiree	1012.8	-6	WNW	6	c/p	47	75	7	8	7	-	4.6	7.8	1500
13B	Stornoway	1008.3	+12	NNW	6	c	42	85	8	4	-	-	9+	9+	4000
15	Dalwhinnie	1009.9	-20	W	3	prs	36	85	8	7	2	-	9+	9	2500
	Aberdeen	1008.8	-10	SW	2	c	40	65	6	5	-	-	9+	9+	4000
	Wick	1007.7	+4	S	4	rr	38	95	7	6	-	-	10	10	1500
16	Lerwick	1010.3	+20	N'E	2	bc	40	85	8	5	8	-	4.6	4.6	1500
17	Blacksod Point	1019.1	+18	NW	4	c/p	47	85	8	8	-	-	9	9	220
18	Malin Head	1015.9	+12	NW	5	bc	45	75	8	5	8	-	2.3	2.3	2500
	Aldergrove	1017.0	+10	SW	1	r₀	40	95	6	5	7	-	7.8	9+	2500
	Donaghadee	1015.8	+6	W	1	c	43	75	7	5	7	-	4.6	7.8	1500
19	Birr Castle	1017.0	+24	N	1	d₀d₀	44	95	6	5	-	-	10	10	2500
20	Valentia Obsy.	1016.0	+36	NNE	5	bc	49	85	8	5	2	-	2.3	4.6	1500
	Roches Point	1014.8	+26	NE	3	c	48	95	8	3	-	-	7.8	7.8	1500

OBSERVATIONS at 18h. 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)	1016.6	0	W	1	c	41	65	4	5	3	-	4.6	9+	2500	1	*
	Croydon	1016.4	+2	W	2	cm	40	75	4	-	7	-	0	7.8	-	1	*
	S. Farnborough	1016.5	+2	WSW	1	c	39	75	7	-	3	-	0	10	-	1	*
	Winchester	1017.1	+6	W	2	c	39	75	6	5	7	-	2.3	9+	2500	1	*
	Boscombe Down	1017.0	4.4	WNW	2	c	39	85	7	-	3	-	0	9	-	1	*
	Calshot, S'thmtn	1016.8	0	WSW	3	bc	37	75	7	-	5	-	0	4.6	-	0	0
	Dungeness	*	*	NW	2	cm₀	*	*	5	-	7	*	0	9	-	*	2
	Lympne	1015.7	+4	WNW	3	cm	38	75	4	-	3	-	0	7.8	-	1	*
2	Shoeburyness	1015.9	0	NNW	1	c	40	75	6	-	7	-	0	7.8	-	0	*
	Felixstowe	1015.9	0	WNW	2	c	40	85	7	-	-	8	0	9	-	0	1
	Gorleston	1015.0	0	W'N	2	o	40	85	6	5	-	-	10	10	1500	0	2
	Cranwell	1014.6	-8	WSW	3	ir	38	95	3	5	-	-	10	10	2500	1	*
3	Cardington	1015.6	-6	W	2	c	39	85	7	-	2	-	0	10	-	1	*
	Birmingham	1015.8	-2	WNW	2	c	41	75	5	-	2	-	0	10	-	1	*
	Upper Heyford	1016.4	+6	WSW	2	c	39	85	7	-	7	-	0	10	-	1	*
	Leafield	1015.8	0	W	3	c	39	85	6	-	2	-	0	9+	-	1	*
4	Ross-on-Wye	1016.1	+4	SW'W	2	cm₀	41	85	5	5	7	-	4.6	9+	4000	1	*
5	Portland Bill	1016.9	+10	S	2	c	44	75	8	4	7	-	4.6	7.8	2500	1	2
	Plymouth	1017.3	+14	W	1	c	46	85	6	5	-	-	9+	9+	4000	1	0
	Falmouth	1017.0	+6	-	0	id₀	47	95	7	6	2	-	7.8	10	2500	1	1
	Scilly (St. Mary's)	1016.4	+20	SSE	2	c	46	95	8	5	-	-	7.8	7.8	4000	1	2
	Guernsey	1017.3	+10	-	0	bc	43	75	6	5	-	-	4.6	4.6	2500	0	2
6	Pembroke	1016.4	+12	NE	1	cm₀	43	95	6	5	-	-	9+	9+	1500	1	2
7	Holyhead	1016.1	+6	NW'N	5	b	44	85	7	8	-	2	Tr.	Tr.	2500	1	2
	Chester (Sealand)	1015.9	-4	W'N	2	cm₀	41	95	7	5	-	-	9+	9+	1500	1	*
8	L'pool (Bidston)	1015.0	0	WSW	4	c	40	95	7	6	-	-	9+	9+	~~4500~~	1	*
9	Harrogate	1012.8	-6	SSE	2	bc	38	95	6	3	-	-	4.6	4.6	4000	6	*
10	Spurn Head	1013.3	-2	W'S	3	r	38	85	3	5	2	-	9	10	220	10	3
	Tynemouth	1010.7	-12	NW	2	o/r	40	85	6	6	-	-	10	10	1500	1	2
11	Inchkeith	1010.8	0	W	3	ir₀	40	95	8	5	2	-	7.8	9	800	0	1
	Leuchars	1012.1	+14	N	3	br	38	85	8	8	-	-	9+	9+	4000	8	*
12	Renfrew	1012.4	+6	WNW	2	c	40	85	7	8	-	-	7.8	7.8	2500	1	*
	Eskdalemuir	1011.0	-16	NW'N	5	ir₀	37	85	7	5	3	-	7.8	9	2500	6	*
13A	Tiree	1017.9	+44	~~W'S~~	7	bc	44	65	8	5	-	-	2.3	2.3	2500	0	4
13B	Stornoway	1019.3	+48	NNE	2	bc	38	95	8	8	6	-	4.6	4.6	4000	1	2
15	Dalwhinnie	1015.1	+42	N	4	prs	34	95	7	5	-	-	9	9	1500	3	*
	Aberdeen	1014.5	+40	NNW	4	ir	35	95	7	6	2	-	7.8	10	2500	1	2
	Wick	1016.1	+26	N	4	c	39	95	8	3	6	-	4.6	7.8	1500	1	3
16	Lerwick	1017.1	+56	SE	3	c	40	85	8	5	-	-	9	9	1500	0	*
17	Blacksod Point	1023.1	+20	NNE	4	c	45	75	7	8	-	-	9+	9+	*	0	4
18	Malin Head	1018.1	+20	N'W	6	bc	45	85	8	8	8	-	4.6	4.6	2500	0	3
	Aldergrove	1017.9	+6	WNW	3	bc/pr	42	85	7	6	-	-	4.6	4.6	2500	1	*
	Donaghadee	1015.3	0	WNW	3	pr	43	75	7	6	-	-	7.8	7.8	800	1	2
19	Birr Castle	1020.9	+18	N	1	b	40	95	8	-	3	-	0	1	-	1	*
20	Valentia Obsy.	1022.0	+30	NE'E	3	c	45	85	8	5	-	-	9	9	1500	1	3
	Roches Point	1018.9	+24	NE	3	c	46	95	8	3	-	-	9	9	1500	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.–13h. 2nd (37)	13h.–18h. 2nd (38)	18h.–2nd 0h. 3rd (39)	0h.–7h. 3rd (40)
1	London (Kew)	bcxfbe3	bc3o c3	o3o r₀	cirm₀
	Croydon	bcembem₀	bemmem	cor₀r₀c	cm₀d₀c
	S. Farnborough	bxbcembey	boboyc	coroR	Ro60
	Winchester	bxbem₀	bybcc	cm₀berr	c
	Boscombe Down	bxcmb	bbcc	ccir	cm₀
	Calshot, S'thmtn	bbexm₀	bcb	bcmcr₀r₀c	cbccid₀
	Dungeness	bc	bc	,	r
	Lympne	cbbcm3o	cb3o3	corrc fm₀	cord₀d₀m
2	Shoeburyness	bem₀cm₀	bem₀cm₀	cm₀b	cir
	Felixstowe	cmbcmc3	c3o	c	crm₀
	Gorleston	cbbcem₀	cm₀m₀	cm₀r₀c	or₀r₀
	Cranwell	cm₀	cm₀fr₀	cfr₀orrm	cr₀mb
3	Cardington	bcxcbcm	cm₀c	cirrbcm	orcir
	Birmingham	bc	bcc	cpror	cbc
	Upper Heyford	bcxm₀	bcc	cprbc	cpr₀q
	Leafield	bc	bcc	obc	cpc
4	Ross-on-Wye	bcmcm	bc3c3	c3c	bcobc
5	Portland Bill	bc	bcc	crrcbc	bcc
	Plymouth	c	c	cm₀r₀	c
	Falmouth	corc	cid₀	cid₀bc	bcp₀q
	Scilly (St. Mary's)	corrc	cid	cpbcc	c
	Guernsey	cbcc	cbc	bcco	orro
6	Pembroke	cp₀	cm₀d₀	cd₀bbc	bc
7	Holyhead	c₀r₀c	ir₀c	bbcq	c
	Chester (Sealand)	cmm₀	crc₀fm₀	bhqbc	bcb
8	L'pool (Bidston)	co3o	oir₀c	iRbc	bcbac
9	Harrogate	co	ocbc	bcir₀c	co
10	Spurn Head	cm	cmf	cmzmrc	cpr₀
	Tynemouth	cbcff	bcoir₀	oir₀bcq	bccq
11	Inchkeith	cbc	bcc	cbcc	bcc
	Leuchars	cb	bbccp₀r	cbx	bxcx
12	Renfrew	cprcbc	cprbc	cbbxc	bcc
	Eskdalemuir	cprcprs	cprsbccir	bccir₀d₀c	ccrs
13A	Tiree	bccbc	bccbc	b	bcvx
13B	Stornoway	cp₀r	bc	cbc	c
15	Dalwhinnie	cprs	cprs	bcc	bcc
	Aberdeen	c	corsrsair	cr₀bbcx	bc
	Wick	crro	cr	bcc	c
16	Lerwick	bc	bcc	cir₀	c
17	Blacksod Point	c	c	c	bc
18	Malin Head	cRbc	bccp₀rc	bcb	bx
	Aldergrove	cwc	cd₀bccp₀r	bcbx	bx
	Donaghadee	c	cp₀r	bbcq	bccq
19	Birr Castle	codd₀	odcb	bbc	bc bx
20	Valentia Obsy.	corrcbc	bcc	cbc	bcb
	Roches Point	od₀circ	cp₀c	cbcbw	bbcw

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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

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.

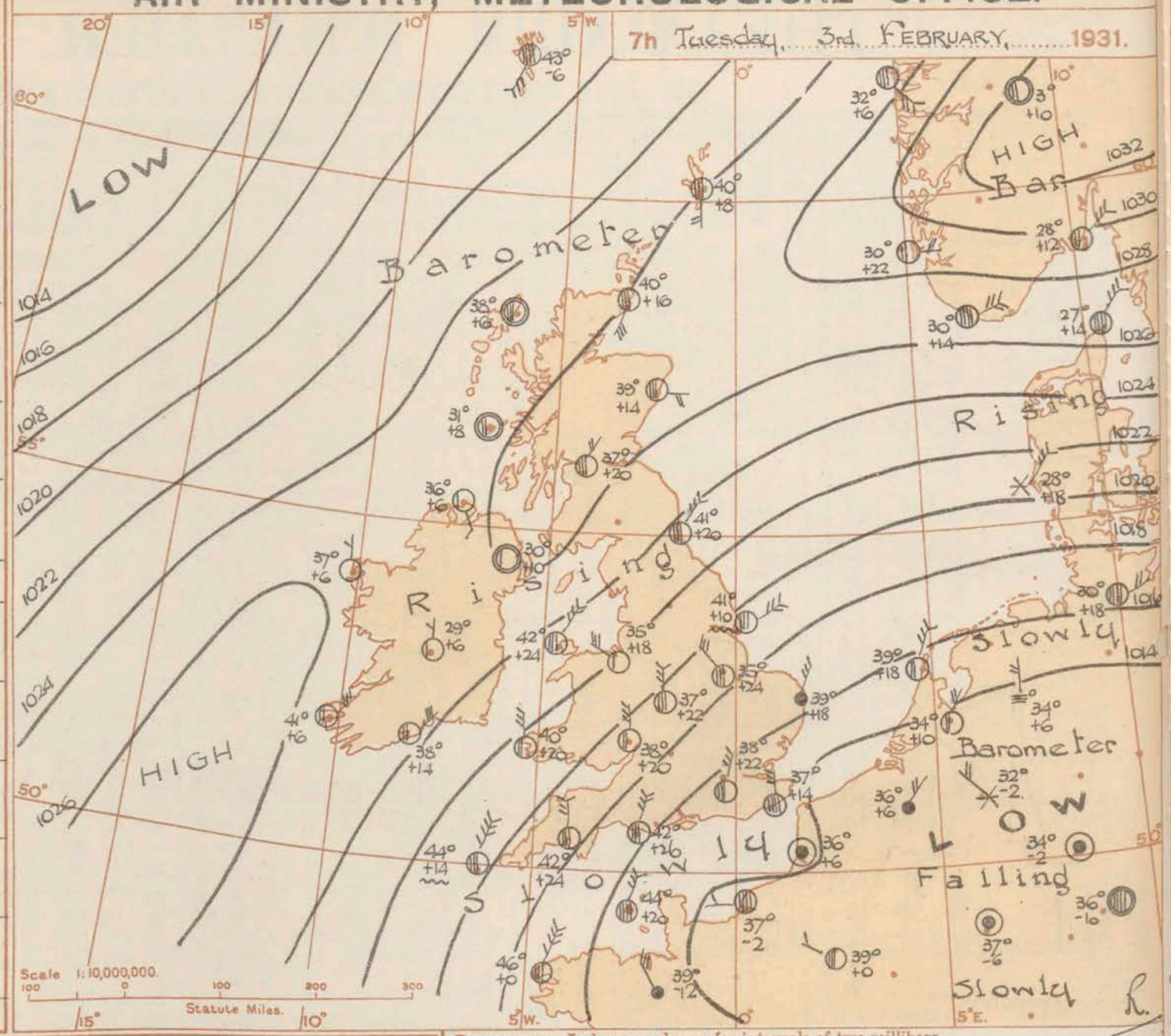
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 2nd. February 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 1st to 2nd 9h.	Temperature. Max. 9h.—17h. 2nd	Rainfall. Night. 17h. 1st to 2nd 9h.	Rainfall. Day. 9h.—17h. 2nd	Sunshine. Sunrise to Sunset. 2nd.
1	Tunbridge W.	bbco	ocbc	27	42	1	-	4.7
	Bournemouth	co	b	28	47	-	-	5.4
	Ventnor ...	xbo	obx	34	47	-	-	5.8
	Southsea ...	bccb	fe	31	45	-	-	5.3
	Bognor Regis	bbcc	cb	31	46	0.3	-	6.2
	Littlehampton	bc	bc	29	45	0.2	-	6.0
	Worthing ...	bbc	bcb	32	45	1	-	5.9
	Brighton ...	bcb	cbc	33	44	1	-	5.8
	Eastbourne†	b	bbcb	34	46	1	-	7.5
	Hastings† ...	bmb	bcom	35	45	0.2	-	6.2
	Folkestone ...	cbcbm	bbc	35	46	1	-	3.9
	Dover... ...	mcbc	mbccbc	36	44	1	-	3.6
	Deal	b	bcc	36	44	1	-	3.3
	Ramsgate ...	bc	bc	37	43	2	-	2.8
	Margate ...	bc	bcc	37	41	1	-	3.2
2	Southend ...	bfbc	bcc	31	44	0.4	-	3.4
	Maldon ...	mbc	bcc	32	44	1	-	2.4
	Clacton-on-Sea	bcc	cbcc	32	43	1	-	3.5
	Dovercourt ...	xbcc	bcc	33	43	-	-	2.6
	Lowestoft ...	bcxc	oc	32	42	0.4	-	2.5
	Skegness ...	om.	om.	31	39	Trace	Trace	0.0
	Mablethorpe	cxm.	cm.m	30	38	-	-	1.0
	Cleethorpes ...	fbc	cofof	30	39	-	Trace	1.2
3	Leamington S.	c	c	28	45	-	-	4.0
4	Cheltenham†	xbbc	bccom	27	44	-	-	6.4
5	Bath	cbcb	bbc	28	45	-	-	4.2
	Weymouth ...	fcb	b	28	49	-	-	4.9
	Jersey ...	bc	bc	36	51	-	-	8.6
	Torquay ...	mcffm	bccom.	31	49	-	-	2.6
	Penzance ...	od	omrd	42	49	1	0.3	0.0
	St. Ives ...	d	b	43	49	2	1	1.6
	Bude	cbc	comm	37	48	-	-	0.4
	Ilfracombe ...	o	o	36	48	-	-	0.1
6	Aberystwyth	bcc	c	36	44	-	-	0.1
7	Llandudno ...	c	circ	36	44	-	1	0.0
	Colwyn Bay...	b	brb	37	44	-	2	0.0
	Rhyl	cm.	cddc	34	43	-	1	0.0
8	Wallasey ...	fbcc	orc	35	41	-	1	0.0
	Southport‖ ...	om	omdoc	33	41	-	Trace	0.0
	Blackpool ...	oc	cb	34	42	-	0.1	0.0
	Morecambe ...	cdbc	c	33	42	-	1	0.0
9	Ilkley... ...	orso.c	cbc	29	39	Trace	1	0.0
10	Berwick-on-T.	ocbc	bcrc	32	43	-	Trace	3.3
11	Dunbar ...	om.	or	31	39	6	2	0.0
12	Douglas ...	xcbc	cobcbbc	35	45	-	Trace	0.1

† 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 the wind. Number of feathers indicate Beaufort force. Calm. = ⊙
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. ▲ 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. 3rd Feb., 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Northeasterly winds, moderate or fresh, mainly cloudy, slight local rain or showers at first, perhaps sleet locally on coasts, rather cold, perhaps local night frost.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Winds mainly between northeast and north, moderate or fresh, cloudy, brighter periods, rather cold, perhaps local night frost inland.
10. N.E. England 11. S.E. Scotland	Easterly or variable winds, light to moderate, mainly cloudy, rather cold, night frost.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland.	Freshening winds between south and west, becoming strong locally for a time, mainly cloudy, probably some rain or showers later, temperature rising somewhat, perhaps night frost inland.
14. Mid-Scotland	As 10 - 11.
15. N.E. Scotland 16. Orkneys and Shetlands.	Freshening southwest winds, mainly cloudy probably some rain or showers, rather cold or moderate temperature.
17. N.W. Ireland 18. N.E. Ireland	As 12 - 13B.
19. S.E. Ireland	As 4 - 9.
20. S.W. Ireland	As 12 - 13B.

GENERAL INFERENCE.

A wedge of high pressure lies in a southwest to northeast direction across the British Iales connecting anticyclones centred (1) over Scandinavia (2) near the Azores. A deep depression over Iceland will probably move northeast, and a shallow low pressure area over Germany fill up. Rather cold and mainly cloudy weather will be general with occasional light rain or showers in Eastern England and some rain may occur later along the extreme western seaboard.

FURTHER OUTLOOK.

Fairer and colder than of late in the east and possibly in the west.

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.

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
Tuesday, 3rd February 1931.
No. 25275

OBSERVATIONS at 1 hr. G.M.T. 3rd 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)	Med (10)	High (11)	Amount Low 0-10 (12)	Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1013.6	-20	WSW	2	z	37	95	5	5	-	-	9+	9+	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1014.2	-20	WNW	2	c/r	39	95	7	5	-	-	9	9	2500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1013.4	-14	WNW	2	r₀r₀	36	95	5	6	3	-	7·8	10	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1013.2	-6	NNW	2	r₀r₀	37	95	6	6	-	-	10	10	1500
	Cranwell ...	240	1014.0	+8	N'E	3	r₀r₀	36	95	4	6	-	-	10	10	450
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1013.9	-20	NNW	4	bc/r	44	85	7	8	-	-	4·6	4·6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1018.2	+6	NWN	4	bc	45	95	7	8	-	-	4·6	4·6	4000
	Scilly (St. Mary's)	163	1019.0	+10	NNE	5	c	46	95	7	5	-	-	9+	9-	4000
	Guernsey ...	175	1015.8	-22	-	0	o	44	85	7	5	-	-	10	10	4000
6	Pembroke ...	142	1017.9	0	NNW	4	bc	44	75	8	7	8	-	4·6	4·6	2500
7	Holyhead ...	26	1018.8	+28	N.E	6	c	43	85	8	5	-	-	9	9	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1013.5	0	NNW	3	c	37	95	6	5	3	-	4·6	7·8	4000
	Tynemouth ...	67	1017.6	+24	NNE	5	bc	40	75	8	3	-	-	4·6	4·6	1500
11	Inchkeith ...	190	1021.8	+22	ENE	4	bc	38	85	8	5	3	-	4·6	4·6	4000
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1023.3	+12	-	0	c	40	95	8	4	6	-	4·6	7·8	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1023.4	+6	ESE	3	c	39	85	8	8	7	-	4·6	7·8	1500
16	Lerwick ...	54	1023.8	+20	SE	1	c	39	75	8	5	-	-	9+	9+	1500
17	Blacksod Point	18	1025.2	+10	-	0	bc	43	85	7	-	8	-	0	4·6	-
18	Malin Head ...	52	1023.7	+18	N	4	b	43	85	8	1	-	-	Tr.	Tr.	4000
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1024.6	+26	NNE	1	b	44	95	9	-	-	-	0	0	-
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 3rd 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)	Med. (24)	High (25)	Amount Low 0-10 (26)	Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
1	London (Kew)...	1016.4	+16	NNE	3	ir	39	85	5	6	2	-	7·8	10	1500	1	*
	Croydon ...	1016.0	+22	N'E	3	z	38	95	5	5	2	-	7·8	10	1500	1	*
	S. Farnborough	1016.2	+22	N'E	4	o	38	95	6	6	-	-	10	10	800	1	*
	Winchester ...	1016.7	+16	N'E	4	c	38	95	7	5	-	-	9+	9+	1500	1	*
	Boscombe Down	1017.4	+20	N'E	4	z	38	95	6	5	-	-	9+	9+	1500	1	*
	Calshot, (S'thmtn)	1015.9	+18	N	4	c	40	85	7	5	-	-	10	10	800	1	1
	Dungeness ...	*	*	NW	2	z	*	*	5	8	-	*	10	10	2500	*	1
	Lympne ...	1014.3	+14	N	3	z	37	95	5	5	-	-	10	10	800	1	*
2	Shoeburyness	1015.5	+20	NW	2	o/r	38	95	5	5	-	-	10	10	800	1	*
	Felixstowe ...	1016.1	+16	NNE	3	z	37	95	6	5	2	-	7·8	10	1500	1	1
	Gorleston ...	1016.4	+18	N'E	3	ir₀	39	95	7	6	-	-	10	10	800	1	2
	Cranwell ...	1019.4	+24	NWN	3	c	35	95	6	8	-	-	9	9	2500	1	*
3	Cardington ...	1017.2	+24	NNE	4	ir	38	95	6	6	1	8	7·8	10	1500	2	*
	Birmingham ...	1020.2	+22	N	4	c	37	85	7	5	-	-	9	9	1500	1	*
	Upper Heyford	1018.1	+30	NNE	5	ir₀	38	85	7	6	-	-	10	10	1500	1	*
	Leafield ...	1017.9	+26	N'E	5	c	37	85	7	6	-	-	9+	9+	1500	1	*
4	Ross-on-Wye ...	1019.3	+20	N	3	bc	38	85	7	5	-	-	2-3	2-3	4000	1	*
5	Portland Bill...	1016.4	+26	NNE	5	c	42	75	7	8	-	-	7·8	7·8	1500	1	3
	Plymouth ...	1018.6	+24	N	4	c	42	75	8	5	-	-	9+	9+	2500	1	1
	Falmouth ...	1019.6	+16	N	4	bc	42	75	8	5	3	-	2-3	4-6	4000	0	2
	Scilly (St. Mary's)	1020.9	+14	NNE	7	c	44	75	7	2	3	-	4-6	7·8	4000	1	4
	Guernsey ...	1015.5	+20	NNE	4	o	44	75	6	5	-	-	10	10	2500	2	3
6	Pembroke ...	1021.3	+20	NNW	3	bc	40	85	8	7	-	-	4·6	4·6	4000	1	2
7	Holyhead ...	1023.1	+24	NE	5	c	42	85	8	4	-	9	9	9	1500	1	3
	Chester (Sealand)	1022.4	+18	NW'W	3	b	35	85	7	5	-	-	Tr.	Tr.	4000	1	*
8	L'pool (Bidston)	1022.2	+16	W'S	1	b	35	85	9	-	-	-	0	0	-	0	*
9	Harrogate ...	1021.6	+14	NNW	2	c	36	95	5	3	-	-	10	10	4000	1	*
10	Spurn Head ...	1018.1	+10	ENE	5	c	41	85	7	3	3	-	4·6	9	2500	1	4
	Tynemouth ...	1024.0	+20	NE	4	c	41	65	8	6	-	-	7·8	7·8	1500	1	3
11	Inchkeith ...	1025.6	+16	NNE	3	c	38	85	8	5	3	-	4·6	9+	2500	0	2
	Leuchars ...	1026.0	+20	NNE	2	c	35	85	7	5	-	-	9+	9+	4000	8	*
12	Renfrew ...	1026.3	+20	NE	2	c	37	75	7	5	-	-	9	9	2500	01	*
	Eskdalemuir ...	1025.3	+16	NE	3	rs	35	95	6	6	2	-	9	10	1500	6	
13A	Tiree ...	1025.9	+8	-	0	bc	31	85	9	-	5	5	0	2-3	-	4	2
13B	Stornoway ...	1025.1	+6	-	0	c	38	95	8	4	6	-	4·6	9	4000	1	0
15	Dalwhinnie ...	1027.4	+14	NNW	1	c	30	95	8	5	-	-	7·8	7·8	2500	9	
	Aberdeen ...	1027.2	+14	E	2	c	39	65	8	5	-	-	9	9	2500	1	2
	Wick ...	1026.0	+16	SSW	3	c	40	85	8	8	7	-	4·6	7·8	1500	1	3
16	Lerwick ...	1026.0	+8	S	2	c	40	65	7	5	2	-	4·6	9+	1500	0	
17	Blacksod Point	1025.9	+6	N	1	b	37	95	8	-	-	-	0	0	-	0	2
18	Malin Head ...	1025.2	+6	SSE	1	b	36	95	8	-	8	-	0	Tr.	-	0	2
	Aldergrove ...	1026.6	+10	-	0	b	30	95	8	5	-	8	Tr.	1	4000	4	*
	Donaghadee ...	1025.4	+14	N	4	q	41	75	7	3	4	-	4·6	7·8	2500	1	2
19	Birr Castle ...	1025.6	+6	N	1	b	29	95	8	-	4	-	0	1	-	4	*
20	Valentia Obsy.†	1025.4	+6	NE	3	bc	41	75	8	-	-	5	0	2-3	-	1	2
	Roches Point...	1024.3	+14	NE	3	bc	38	85	8	5	-	-	2-3	2-3	1500	0	0

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Night 18h-7h mm. (35)	Sunshine 9 2nd Hrs. (36)
1	London (Kew)...	43	37	32	-	1	3.7
	Croydon ...	43	37	34	-	1	4.5
	S. Farnborough	46	35	28	-	2	6.1
	Winchester ...	45	36	33	-	0.6	5.3
	Boscombe Down	45	36	31	-	1	*
	Calshot, (S'thmtn)	44	40	30	-	1	5.7
	Dungeness ...	41	35	*	-	1	*
	Lympne ...	43	34	34	-	1	5.1
2	Shoeburyness	44	35	34	-	3	4.0
	Felixstowe ...	43	35	33	-	2	2.1
	Gorleston ...	43	35	35	-	3	0.0
	Cranwell ...	40	34	31	Tr.	3	0.3
3	Cardington ...	46	34	33	-	3	4.8
	Birmingham ...	43	37	26	-	4	3.6
	Upper Heyford	46	34	30	0.1	1	*
	Leafield ...	43	36	31	-	1	6.5
4	Ross-on-Wye ...	45	37	33	-	-	4.1
5	Portland Bill...	49	40	*	-	1	*
	Plymouth ...	47	41	39	-	0.2	0.0
	Falmouth ...	48	42	*	1	0.4	0.0
	Scilly (St. Mary's)	49	43	*	0.2	0.1	0.8
	Guernsey ...	49	40	33	-	3	3.7
6	Pembroke ...	47	38	*	0.4	0.5	0.2
7	Holyhead ...	45	41	37	1	-	0.1
	Chester (Sealand)	41	34	30	1	0.2	0.0
8	L'pool (Bidston)	42	35	30	0.6	1	0.0
9	Harrogate ...	40	33	31	-	Tr.	0.0
10	Spurn Head ...	39	35	*	-	2	1.2
	Tynemouth ...	42	38	34	0.2	1	*
11	Inchkeith ...	43	34	35	Tr.	-	3.7
	Leuchars ...	41	35	30	0.1	-	4.2
12	Renfrew ...	46	35	26	2	-	3.9
	Eskdalemuir ...	39	34	32	1	1	2.2
13A	Tiree ...	47	30	29	-	-	3.6
13B	Stornoway ...	45	36	*	1	-	2.1
15	Dalwhinnie ...	37	30	*	1	-	0.5
	Aberdeen ...	41	34	31	4	0.2	0.4
	Wick ...	40	35	*	8	-	*
16	Lerwick ...	40	38	*	-	Tr.	4.6
17	Blacksod Point	48	35	*	Tr.	-	*
18	Malin Head ...	46	35	*	3	-	3.3
	Aldergrove ...	44	29	21	0.1	Tr.	2.5
	Donaghadee ...	45	41	*	0.2	Tr.	
19	Birr Castle ...	45	29	22	0.2	-	0.4
20	Valentia Obsy.†	50	38	34	3	-	5.1
	Roches Point...	50	37	*	3	Tr.	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations.

Station	Height above M.S.L. in feet	Weather 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. % Yesterday	9h. G.M.T. % To-day	Visibility 9h.
		24 hrs. ended 9h.											
Kew ...	18	bcxfbcz	bcz₀cz	ozcir	43	37	32	-	1	3.7	*	*	5
Croydon ...	217	bcmbxm	bcm mcm	rrcd	43	37	34	-	1	4.5	*	*	3
Greenwich (Royal Observatory) ...	149	bcf	cfbcm	erppch	42	37	32	*	2	0.1	60	85	4
City (Bunhill Row) ...	—									1.0			
Westminster (St. James' Park) ...	27	*	*	*	45	31	32	*	*	1.2	53	87	*
Regents Pk. (Botanic Gardens) ...	168	*	*	*	*	*	*			2.2			*
Camden Square ...	110	xbcm	bc	*	42	39	35	-	2	*	* At 18h. 65	92	*
Kensington Palace ...	80	bcm	bcmco	*	44	31	34	-	1	*		86	*
Hampstead Observatory ...	450	bcmc	co	*	43	33	28	0.3	1	3.6		93	

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

	Max.	Time.	Min.	Time.
South Kensington.	1.8	10h-11h 2nd	<0.3	4h-6h 3rd
Kew Observatory.	1.0	9h 2nd	0.1	4h 3rd

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 2nd February Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 3rd February Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Night mm.
Paris ...	1016.7	WNW	1	m	41	1013.9	WNW	1	z	39	45	39	-	-
Brussels ...						1013.4	NE	2	ir₀	36		34		0.4
Berlin ...	1016.8	SE	3	f	30	1015.9	ESE	2	m	28	30	28	-	-
Zürich ...	1017.6	SW	1	z	39	1014.2	NE	1	m	34	41	30	?	-
Rome ...	1009.5	N	4	bc	39	1011.4	NNE	2	b	32	54	28	-	-

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.

† 1 hr observations are from Valentia W/T station

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 4th February 1931.

No. 25276

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)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1020.0	+14	NNE	4	d_od_o	40	85	6	5	-	-	10	10	800
	Croydon ...	1019.4	+10	N'E	4	om	40	85	4	5	-	-	10	10	800
	S. Farnborough	1019.6	+12	NNE	4	ir_o	41	85	6	6	-	-	9+	9+	800
	Winchester ...	1020.0	+12	NNE	4	c	42	75	8	7	3	-	9	9	1500
	Boscombe Down	1020.7	+18	NNE	4	c	42	75	7	4	-	-	9+	9+	1500
	Calshot, S'thmtn	1019.5	+6	N'E	4	c	43	65	7	8	3	-	7.8	7.8	1500
	Dungeness ...	*	*	NE	5	cjp	*	*	7	9	-	*	9*	9*	2500
	Lympne ...	1017.0	+4	N'W	5	cm_o	41	85	6	5	-	-	9+	9+	800
2	Shoeburyness	1018.7	+8	NNE	4	cjpr	41	85	7	5	3	-	7.8	9	2500
	Felixstowe ...	1019.7	+18	N'E	4	ir_o	39	85	7	6	2	-	9	10	1500
	Gorleston ...	1019.3	+8	NE	5	r_or_o	38	95	7	6	-	-	10	10	1500
	Cranwell ...	1023.1	+14	N'E	4	ir_o	37	95	6	6	-	-	10	10	1500
3	Cardington ...	1021.2	+14	NNE	4	c	41	75	7	8	-	-	10	10	2500
	Birmingham ...	1023.3	+12	NE	4	c	40	65	5	5	4	-	4.6	7.8	2500
	Upper Heyford	1021.7	+10	NNE	4	c	40	75	7	5	3	-	4.6	9+	1500
	Leafield ...	1021.3	+20	NNE	6	c	40	75	8	2	3	-	1	9	4000
4	Ross-on-Wye ...	1022.6	+12	N	3	cz_o	40	75	5	5	-	-	9+	9+	4000
5	Portland Bill...	1019.9	+12	NNE	5	c	43	75	7	8	-	-	9	9	2500
	Plymouth ...	1022.5	+16	NE	6	c	42	65	8	5	-	-	9	9	2500
	Falmouth ...	1023.2	+14	NNE	5	bc	43	65	8	7	-	-	4.6	4.6	4000
	Scilly (St. Mary's)	1023.6	+8	NE	5	bc	44	65	7	7	-	-	4.6	4.6	4000
	Guernsey ...	1019.3	+20	NNE	4	o	43	65	6	5	-	-	10	10	2500
6	Pembroke ...	1024.7	+6	NE	3	bc	42	75	8	8	5	-	4.6	4.6	2500
7	Holyhead ...	1025.4	+6	NE	4	bc	43	75	8	5	-	1	4.6	4.6	4000
	Chester (Sealand)	1025.5	+8	NE'N	2	cz_o	42	75	6	7	-	-	7.8	7.8	4000
8	L'pool (Bidston)	1025.2	+6	N'E	3	c	40	75	7	4	7	-	4.6	7.8	4000
9	Harrogate ...	1024.8	+10	N	1	o	37	75	7	6	-	-	10	10	2500
10	Spurn Head ...	1022.4	+4	NE	5	ir_o	39	75	6	3	3	8	4.6	10	2500
	Tynemouth ...	1026.0	+8	ENE	3	o	40	75	7	6	-	-	10	10	1500
11	Inchkeith ...	1028.9	+10	E	2	c	40	85	8	5	3	-	4.6	9+	4000
	Leuchars ...	1027.8	+4	E	2	c	40	75	7	5	-	-	9+	9+	4000
12	Renfrew ...	1028.3	+10	ENE	3	bc	41	65	7	8	-	1	2.3	2.3	2500
	Eskdalemuir ...	1027.9	+10	ENE	3	c	37	75	7	5	-	-	10	10	4000
13A	Tiree ...	1026.7	+2	S	4	c	43	75	9	4	3	6	Tr.	9+	4000
13B	Stornoway ...	1025.1	0	SSW	3	c	43	85	9	4	6	1	4.6	9	4000
15	Dalwhinnie ...	1028.3	+6	S	1	c	35	75	8	5	-	-	7.8	7.8	4000
	Aberdeen ...	1028.6	+6	SE	3	c	40	65	6	5	-	-	9+	9+	4000
	Wick ...	1027.2	+4	S	3	c	41	75	8	8	7	-	4.6	9	1500
16	Lerwick ...	1026.7	+4	S'W	D3	c	41	75	7	5	2	-	4.6	10	1500
17	Blacksod Point	1026.3	+4	SE	2	c	44	75	8	-	-	2	0	7.8	-
18	Malin Head ...	1026.6	+2	SW	2	c	42	85	8	1	8	9	Tr.	7.8	4000
	Aldergrove ...	1027.4	-2	ENE	2	bc	41	75	7	7	-	6	2.3	4.6	4000
	Donaghadee ...	1027.1	+4	E	2	bc	42	75	7	1	-	2	1	2.3	2500
19	Birr Castle ...	1021.5	+12	W	1	bc	40	85	8	1	-	2	Tr.	4.6	4000
20	Valentia Obsy.	1026.7	0	SE'S	1	c	46	75	8	7	-	2	2.3	7.8	2500
	Roches Point...	1027.1	+6	SE	2	bc	44	75	8	5	-	-	2.3	2.3	1500

OBSERVATIONS at 18h. G.M.T. 3rd 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)...	1021.9	+22	NNE	3	o	39	75	6	5	-	-	10	10	1500	1	•
	Croydon ...	1021.2	+12	NNE	4	om	39	85	4	5	-	-	10	10	1500	1	•
	S. Farnborough	1021.3	+16	NNE	3	c	38	85	6	5	-	-	9+	9+	1500	1	•
	Winchester ...	1022.0	+14	N'E	4	o	37	85	7	5	-	-	10	10	1500	1	•
	Boscombe Down	1022.5	+14	NNE	4	c	36	85	7	5	-	-	9	9	2500	1	•
	Calshot, S'thmtn	1021.5	+14	N[illegible]	D5	b	39	65	7	5	-	-	1	1	4000	0	2
	Dungeness ...	*	*	NE	5	pr	*	*	7	9	-	*	10	10	2500	•	2
	Lympne ...	1019.3	+14	N'E	5	pr	37	95	6	6	-	-	10	10	800	1	•
2	Shoeburyness	1020.9	+10	NNE	4	c	38	95	7	5	-	-	9+	9+	1500	1	•
	Felixstowe ...	1021.7	+14	NNE	4	o	38	85	6	5	-	-	10	10	1500	1	2
	Gorleston ...	1021.6	+14	NE'N	5	r_or_o	39	85	6	6	-	-	10	10	2500	1	3
	Cranwell ...	1024.8	+10	NNE	3	o	35	95	6	5	-	-	10	10	2500	1	•
3	Cardington ...	1023.1	+12	NE'N	3	o	37	85	7	5	-	-	10	10	1500	1	•
	Birmingham ...	1024.9	+8	NE	3	o	36	85	5	5	-	-	10	10	2500	1	•
	Upper Heyford	1023.8	+14	NNE	4	o	36	85	6	5	-	-	10	10	1500	1	•
	Leafield ...	1023.2	+10	N'E	4	c	35	85	6	5	-	-	9	9	4000	1	•
4	Ross-on-Wye ...	1023.5	+8	NE	3	bcz_o	37	75	5	5	-	-	2.3	2.3	1500	1	•
5	Portland Bill...	1021.4	+6	NNE	4	c	40	75	7	4	-	-	10	10	1500	1	3
	Plymouth ...	1023.4	+10	NE	4	cz_o	41	75	5	5	-	-	7.8	7.8	4000	1	2
	Falmouth ...	1024.1	+6	N'E	3	bc	41	75	8	5	-	5	2.3	4.6	4000	0	2
	Scilly (St. Mary's)	1024.3	+4	NE	5	c	42	75	8	5	-	-	9	9	4000	0	3
	Guernsey ...	1019.9	+8	NNE	3	c	43	75	7	5	-	-	7.8	7.8	1500	0	3
6	Pembroke ...	1024.8	+4	N	3	bc	39	75	8	8	4	-	2.3	4.6	2500	0	2
7	Holyhead ...	1026.1	+8	ENE	4	bc	39	85	6	1	-	6	1	4.6	4000	1	1
	Chester (Sealand)	1026.4	+10	NE'N	2	cz_o	38	75	5	5	-	-	9+	9+	4000	1	•
8	L'pool (Bidston)	1026.0	+6	NNE	2	c	38	75	6	5	2	-	2.3	10	2500	0	•
9	Harrogate ...	1025.9	0	NNE	3	c	35	85	5	6	-	-	7.8	7.8	2500	1	•
10	Spurn Head ...	1024.4	+4	ENE	5	ir_o	38	75	6	3	2	-	4.6	10	2500	0	5
	Tynemouth ...	1027.2	+6	E	2	o	39	75	8	6	-	-	10	10	1500	1	3
11	Inchkeith ...	1028.0	+2	SSE	1	c	38	95	8	5	-	-	9+	9+	4000	0	1
	Leuchars ...	1027.8	+2	SW	1	c	35	95	6	5	-	-	9+	9+	5700	7	•
12	Renfrew ...	1027.7	-2	-	0	o	37	85	6	5	-	-	10	10	2500	1	•
	Eskdalemuir ...	1028.3	+8	ENE	1	c	33	95	6	5	6	-	4.6	7.8	2500	6	•
13A	Tiree ...	1024.9	-4	SSE	5	c	41	65	7	4	3	8	Tr	10	2500	0	3
13B	Stornoway ...	1022.7	-4	SSW	4	c	42	85	8	4	-	-	10	10	4000	1	3
15	Dalwhinnie ...	1027.2	-2	S	4	o	33	85	7	5	-	-	10	10	1500	9	•
	Aberdeen ...	1029.2	0	SE	3	c	38	85	6	7	-	-	9+	9+	2500	1	2
	Wick ...	1025.9	-6	SSW	4	c	40	75	8	5	-	-	9	9	4000	0	3
16	Lerwick ...	1026.2	-4	S'W	2	c	41	65	7	5	2	-	4.6	10	1500	0	•
17	Blacksod Point	1024.3	-10	SE	4	c	42	65	8	-	5	-	0	7.8	-	0	3
18	Malin Head ...	1025.1	+6	SE	2	bc	38	95	5	4	3	-	2.3	4.6	5700	0	1
	Aldergrove ...	1026.9	-2	E'S	3	c	36	85	6	-	2	8	0	7.8	-	1	•
	Donaghadee ...	1026.6	-2	SE	2	b	40	75	7	5	-	-	1	1	4000	0	1
19	Birr Castle ...	1026.2	-4	WSW	1	c	35	95	6	-	3	2	0	7.8	-	1	•
20	Valentia Obsy.	1025.3	-2	SSE	3	c	43	85	8	5	-	2	4.6	9	1500	1	2
	Roches Point...	1025.8	0	SE	2	bc	40	75	8	5	-	-	4.6	4.6	1500	0	0

PAST 24 HOURS. WEATHER.

District	Stations	7h.–13h. 3rd (37)	13h.–18h. 3rd (38)	18h. 3rd to 1h. 4th (39)	1h.–7h. 4th. (40)
1	London (Kew)...	$cmcz_od$	cp_ocz_o	cm_o	cid_om_o
	Croydon ...	cfr_ocm	cmp_ormm	cm_om_o	cm_ors_o
	S. Farnborough	om_o	cr_ocbcm_o	cm_o	cm_o
	Winchester ...	epr_oc	c	c	c
	Boscombe Down	cir_om_obc	cir_o	c	c
	Calshot, S'thmtn	$eqcm_oc$	cpr_oqbc	bc	c
	Dungeness ...	bc	p	•	o
	Lympne ...	edd_om	$cprqm_o$	$coprqm_o$	cprq6m
2	Shoeburyness	$cm_op_orm_o$	cir_oc	cr_o	cr_o
	Felixstowe ...	crm_o	cr_ocm_o	cr_orsc	$crsm_o$
	Gorleston ...	oir_orrq	or_or_ocq	or_orr_oq	or_or_oq
	Cranwell ...	r_ocir_o	cir_om_o	cm_oc	crs_o
3	Cardington ...	$cirp_oc$	$cphrcp_oic$	c	c
	Birmingham ...	bcc	bcc	c	$cosh_o$
	Upper Heyford	$cr_or_oid_o$	cp_orsom_o	cm_o	cm_o
	Leafield ...	cr_oc	c	co	ois_o
4	Ross-on-Wye ...	bccz	czbccgbz	bzbccm	cmom
5	Portland Bill...	c	c	c	cbc
	Plymouth ...	cbc	$cbcm_o$	cm_obc	bccwzc
	Falmouth ...	bc	bc	$bccm_o$	$cbcm_oc$
	Scilly (St. Mary's)	cbc	bcc	c	c
	Guernsey ...	or_oo	oc	co	co
6	Pembroke ...	bc	bc	bc	$bccm_o$
7	Holyhead ...	cbc	bc	$bccm_o$	cm_o
	Chester (Sealand)	$bcmz_o$	$bccz_o$	cm_om	cmf
8	L'pool (Bidston)	bbvbc	bcc	o	o
9	Harrogate ...	oid_o	oc	c	c
10	Spurn Head ...	cprph	cp_or	cpr_oc	cps_oc
	Tynemouth ...	cop_o	op_o	oph_oo	c
11	Inchkeith ...	c	c	c	co
	Leuchars ...	cxc	cm_o	cm_o	cm_oo
12	Renfrew ...	cmbc	bcc	cm_o	c
	Eskdalemuir ...	$crsm_oc$	c	c	c
13A	Tiree ...	vbcc	c	c	ccir
13B	Stornoway ...	c	c	c	cdrr
15	Dalwhinnie ...	bcc	bcco	cqo	cqo
	Aberdeen ...	c	cz_o	cz_or_oc	c
	Wick ...	c	c	c	c
16	Lerwick ...	c	c	cir_o	cir_o
17	Blacksod Point	bc	bc	c	prc
18	Malin Head ...	bbc	$cbcz_o$	$bccz_oz_o$	$cz_ocm_or_o$
	Aldergrove ...	bxbc	bc	$bcxcm_o$	cm_o
	Donaghadee ...	cbcb	b	bbc	bcc
19	Birr Castle ...	bbc	bcc	cbc	$bcxcr_o$
20	Valentia Obsy.	bbcc	c	c	c
	Roches Point...	bc	bc	bccw Ʊ	cz_ow

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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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. Ʊ, lunar halo.

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.

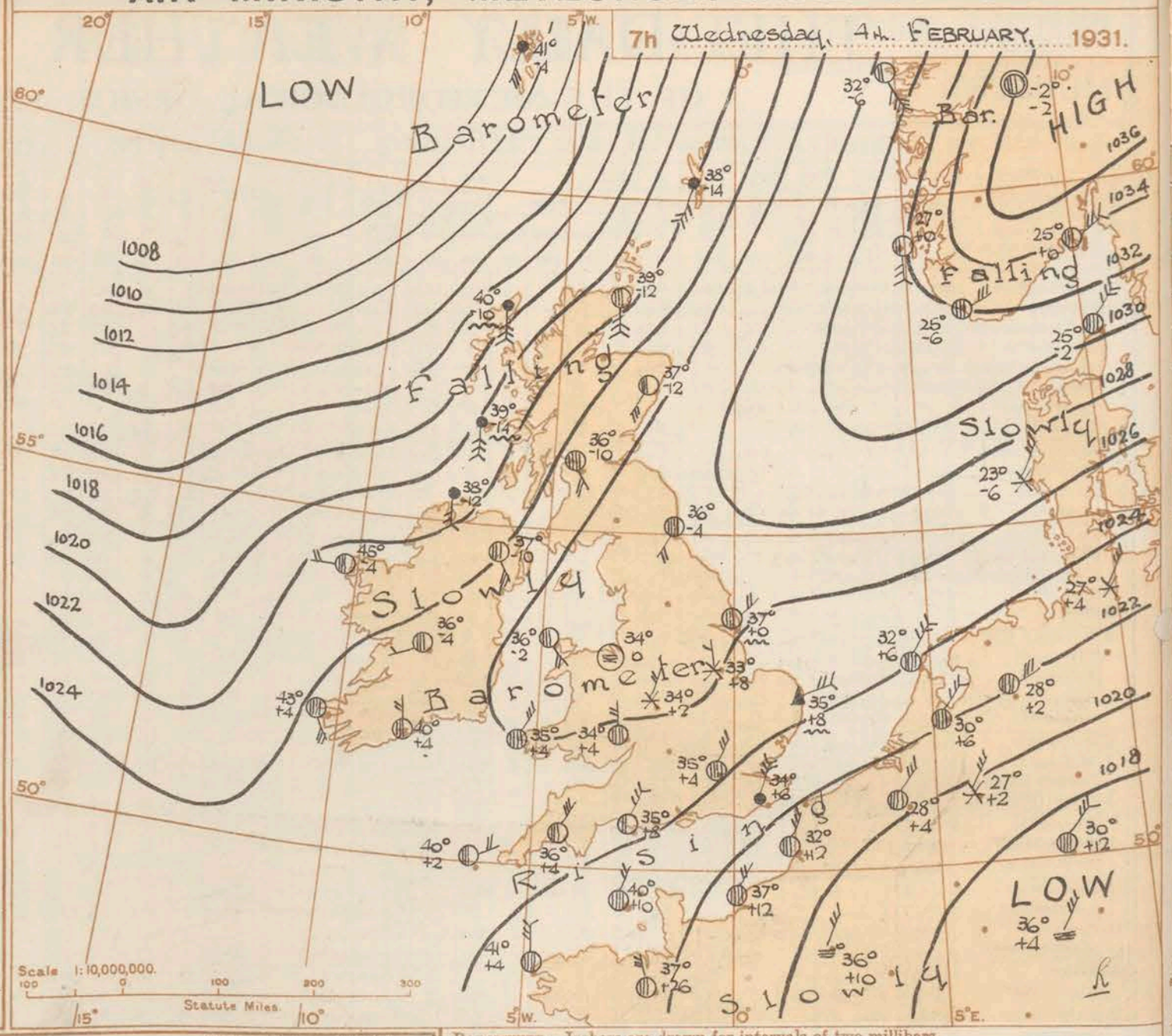
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 3rd February 1931.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 2nd to 3rd 9h.	Temperature. Max. 9h.—17h. 3rd	Rainfall. Night. 17h. 2nd to 3rd 9h.	Rainfall. Day. 9h.—17h. 3rd	Sunshine. Sunrise to Sunset. 3rd
1	Tunbridge W.	op	bcopo	29	43	2	0·3	0·9
	Bournemouth	bco	bcobc	32	44	2	0·0	2·1
	Ventnor ...	crcbc	bc	38	43	1	-	2·9
	Southsea ...	co	ocbc	34	43	1	-	0·5
	Bognor Regis	ocbc	cbc	33	43	1	-	1·2
	Littlehampton	bc	bcc	32	44	2	-	1·8
	Worthing ...	oc	cbc	34	44	1	-	1·8
	Brighton ...	cbcb	bc	35	43	1	-	1·9
	Eastbourne†	obc	bcrcr	36	44	2	1	2·4
	Hastings† ...	omoc	corhoc	36	43	3	2	2·7
	Folkestone ...	rcm,o	orhoc	35	43	2	4	1·4
	Dover... ...	mcbcp	cor	36	42	1	5	0·5
	Deal	cbcor	ohpo	36	43	1	4	0·4
	Ramsgate ...	c	cppc	36	41	1	2	1·0
	Margate ...	cbc	bccr	37	42	2	1	0·8
2	Southend ...	omrdc	ormc	35	42	3	1	0·7
	Maldon ...	oc	crco	33	42	3	1	0·4
	Clacton-on-Sea	bcpc	cpc	34	43	3	1	1·2
	Dovercourt ...	roc	doc	36	42	1	Trace	0·0
	Lowestoft ...	cop	oidc	34	39	3	1	0·9
	Skegness ...	om,bc	om(d)	32	40	Trace	Trace	0·1
	Mablethorpe	op	op	34	41	1	0·3	0·0
	Cleethorpes ...	ro	iho	34	41	5	0·3	0·0
3	Leamington S.	c	c	35	42	1	-	0·5
4	Cheltenham†	cbcc	corso	37	41	0·3	Trace	1·6
5	Bath	bcc	cbcc	29	42	1	-	1·7
	Weymouth ...	c	c	32	43	1	-	0·5
	Jersey ...	bc	c	39	44	4	-	0·0
	Torquay ...	poc	cm	34	43	Trace	-	0·2
	Penzance ...	cb	bcb	43	45	1	-	3·2
	St. Ives ...	c	c	43	44	1	-	0·5
	Bude	cbcc	cbc	39	43	1	-	2·7
	Ilfracombe ...	bbcc	bcc	41	45	1	-	2·4
6	Aberystwyth	cprbc	bccx	37	44	4	-	5·3
7	Llandudno ...	bcc	cbc	39	43	1	-	3·2
	Colwyn Bay...	bcc	c	39	42	2	-	3·3
	Rhyl	bc	bcc	36	45	-	-	3·0
8	Wallasey ...	bbc	bcc	35	42	0·3	-	2·0
	Southport‖ ...	bc	bcco	35	42	0·4	-	3·2
	Blackpool ...	cbc	bcc	35	42	2	-	2·5
	Morecambe ...	rcbbc	bcbc	38	40	1	-	1·0
9	Ilkley... ...	c	cod,o	34	38	4	Trace	0·0
10	Berwick-on-T.	o	o	36	40	1	-	0·0
11	Dunbar ...	bc	bc	38	40	1	-	3·7
12	Douglas ...	rbcc	bbcx	37	42	2	-	7·1

† 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 the wind. Number of feathers indicate Beaufort force. Calm. = ⊙
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. ▲ 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. 4th Feb. 1931.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Moderate winds from between northeast and east, fresh locally in coastal areas; cloudy, wintry showers; local mist; cold.
5. S.W. England 6. South Wales	Moderate northeast winds; mainly cloudy; mist locally; rather cold.
7. North Wales 8. N.W. England 9. N. Midlands	Light or moderate easterly or variable winds; mainly cloudy; mist locally; rather cold.
10. N.E. England 11. S.E. Scotland	Light to moderate south to southwest winds; cloudy, perhaps rain or sleet showers later; snow on high ground; mist locally; rather cold.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland.	Moderate to strong south to southwest winds; cloudy, occasional rain or showers; rather cold or moderate temperature.
14. Mid-Scotland	As 10 - 11.
15. N.E. Scotland 16. Orkneys and Shetlands.	As 12 - 13B.
17. N.W. Ireland	As 7 - 9.
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Winds from between south and west, moderate, stronger at times; mainly cloudy, showers; rather cold or moderate temperature.

GENERAL INFERENCE.

Secondaries to a deep depression centred beyond the Arctic Circle are moving northeast along the western seaboard while the anticyclone over Scandinavia and the associated wedge over England are drifting slowly southeast. Occasional rain or showers will occur in the extreme west and North, and local wintry showers in Eastern England, elsewhere rather cold mainly cloudy weather will continue.

FURTHER OUTLOOK.

Mainly cloudy cold weather with occasional wintry showers in Eastern England, rather unsettled in northern and western districts of Scotland and Ireland.

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. Ps.2499/2189. m. 26. 6026. 4p. 908. 28280. 2/31.

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, 4th February 1931.

No. 25276

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)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1023.2	+4	NNE	3	3	36	85	6	5	-	-	10	10	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thamtn)	8	1023.1	+2	N	4	c	38	75	7	5	3	-	4-6	7-8	2500
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1021.0	+2	NNE	4	pr	36	85	6	6	-	-	10	10	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1023.9	+2	ENE	4	ph(r)	37	95	6	6	-	-	10	10	800
	Cranwell	240	1026.0	-2	N'E	2	c	33	95	7	5	-	-	10	10	1500
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1023.1	+4	NNE	4	c	37	85	7	4	6	-	4-6	7-8	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1025.7	+6	NE'N	3	c	39	85	6	5	6	-	4-6	9	4000
	Scilly (St. Mary's)	163	1025.4	+2	E	1	c	41	75	6	4	-	-	9+	9+	4000
	Guernsey	175	1021.4	+4	NE	4	o	42	65	6	5	-	-	10	10	2500
6	Pembroke	142	1025.1	+4	NE	1	bc	36	85	7	-	4	1	0	2-3	-
7	Holyhead	26	1026.7	+2	E'S	3	c	39	85	5	5	-	-	10	10	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1025.3	0	ENE	4	c	38	95	7	5	2	-	7-8	10	4000
	Tynemouth	67	1028.1	0	E	2	o	38	75	8	6	-	-	10	10	1500
11	Inchkeith	190	1028.0	-2	S	1	c	36	95	7	5	-	-	10	10	5700
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1019.5	-18	S	6	c	42	85	7	4	-	-	10	10	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1024.2	-8	S	5	c	39	85	8	8	-	-	10	10	2500
16	Lerwick	54	1024.7	-10	S'W	4	ir₀	39	85	7	6	2	-	4-6	10	1500
17	Blacksod Point	18	1023.1	-8	S	5	c	43	75	7	-	2	-	0	10	-
18	Malin Head	52	1023.9	-6	S	3	c	37	85	6	5	-	8	4-6	9+	2500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1024.9	0	S	3	c	43	85	8	4	2	-	4-6	10	2500
	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)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
1	London (Kew)	1025.1	+6	NNE	3	id₀	35	85	5	5	2	-	7-8	10	1500	1	*
	Croydon	1024.1	+4	NNE	3	o/rs	35	95	5	5	-	-	10	10	1500	1	*
	S. Farnborough	1024.9	+6	N	2	c	35	85	6	5	-	-	10	10	1500	1	*
	Winchester	1025.2	+4	N	3	c	34	95	7	5	-	-	10	10	2500	1	*
	Boscombe Down	1025.6	+6	NNE	3	c	33	95	7	5	-	-	10	10	2500	1	*
	Calshot (S'thamtn)	1024.1	+8	N	3	c	36	85	7	5	-	-	10	10	2500	0	1
	Dungeness	*	*	NE	4	c	*	*	7	5	-	*	9	9+	4800	*	3
	Lympne	1023.3	+6	NNE	5	id₀	34	85	6	6	-	-	10	10	800	1	*
2	Shoeburyness	1023.9	+6	NE	3	ir₀	34	95	7	5	-	-	9+	9+	1500	1	*
	Felixstowe	1024.5	+10	N	3	is	34	95	5	6	2	-	9	10	450	6	2
	Gorleston	1024.5	+8	E'N	4	ph(r)	35	85	7	9	-	-	10	10	800	1	4
	Cranwell	1026.6	+8	NNW	1	is₀	33	95	6	5	-	-	10	10	1500	1	*
3	Cardington	1025.6	+6	NNE	3	c	33	95	7	4	1	-	7-8	10	4000	1	*
	Birmingham	1026.5	+2	NNE	2	sh	34	95	5	6	-	-	10	10	1500	1	*
	Upper Heyford	1026.0	+6	N	3	c	33	95	6	5	2	-	4-6	10	4000	1	*
	Leafield	1025.2	+6	N'W	2	is₀	32	95	6	5	-	-	10	10	2500	1	*
4	Ross-on-Wye	1025.8	+4	N	2	3	34	85	5	5	-	-	10	10	2500	1	*
5	Portland Bill	1024.1	+8	NNE	4	bc	35	85	7	4	-	-	4-6	4-6	2500	1	3
	Plymouth	1025.6	+4	NE	3	c	36	65	7	4	6	8	2-3	9	4000	4	1
	Falmouth	1025.9	+6	N'E	3	c	35	85	7	5	-	2	4-6	7-8	4000	0	1
	Scilly (St. Mary's)	1025.3	+2	ENE	2	c	40	75	6	4	-	-	9+	9+	4000	0	2
	Guernsey	1023.2	+10	NNE	2	o	40	65	7	5	-	-	10	10	2500	0	3
6	Pembroke	1026.0	+4	NE	3	3	35	95	5	5	-	-	10	10	4000	0	1
7	Holyhead	1026.2	-2	SE	2	c	36	85	5	5	2	-	9	10	2500	1	1
	Chester (Sealand)	1027.1	0	-	0	of	34	95	3	5	-	-	10	10	2500	1	*
8	L'pool (Bidston)	1026.8	0	ENE	2	o	35	75	7	5	-	-	10	10	2500	0	*
9	Harrogate	1027.7	0	-	0	o	31	95	6	5	-	-	10	10	2500	1	*
10	Spurn Head	1026.0	0	NE'E	2	c	37	75	7	3	3	-	2-3	10	4000	0	5
	Tynemouth	1027.2	-4	SW	2	o	36	85	7	6	-	-	10	10	1500	0	2
11	Inchkeith	1026.4	-6	S	2	o	37	85	7	5	-	-	10	10	2500	0	0
	Leuchars	1025.4	-6	S	3	o	36	85	7	5	-	-	10	10	2500	7	*
12	Renfrew	1025.2	-10	SSE	2	c	36	85	8	5	-	-	10	10	1500	1	*
	Eskdalemuir	1026.9	-4	SSW	2	c	32	95	6	5	-	-	10	10	1500	6	*
13A	Tiree	1020.1	-14	S	6	ir	39	95	6	6	2	-	4-6	10	1500	1	4
13B	Stornoway	1017.2	-10	S	6	rr	40	95	6	6	-	-	10	10	4000	1	4
15	Dalwhinnie	1023.1	-6	S	5	o	32	95	7	5	-	-	10	10	800	9	*
	Aberdeen	1024.8	-12	SW	3	c	37	75	7	5	-	-	9+	9+	2500	1	2
	Wick	1021.1	-12	S	5	c	39	85	8	4	2	-	4-6	10	1500	0	3
16	Lerwick	1021.8	-14	S'W	5	ir₀	38	95	7	6	2	-	7-8	10	1500	1	*
17	Blacksod Point	1022.5	-4	W	2	c	45	95	8	4	-	-	9+	9+	1500	0	3
18	Malin Head	1020.6	-12	S	4	ir₀	38	95	5	6	-	-	10	10	1500	1	1
	Aldergrove	1024.3	-10	S'E	3	c	37	75	6	5	2	-	7-8	10	2500	1	*
	Donaghadee	1023.1	-12	S	2	c	40	75	7	5	-	-	7-8	7-8	1500	0	1
19	Birr Castle	1024.5	-4	WSW	1	c	36	95	7	5	-	-	9+	9+	2500	1	*
20	Valentia Obsy.†	1024.9	+4	SSE	3	c	43	95	8	5	-	-	10	10	1500	1	*
	Roches Point	1025.8	+4	N	2	c	40	95	6	5	-	-	9	9	1500	1	0

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F. (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 3rd Hrs. (36)
1	London (Kew)	42	35	34	0.1	Tr.	0.2
	Croydon	41	35	33	0.1	Tr.	0.0
	S. Farnborough	42	35	32	Tr.	-	1.2
	Winchester	42	33	30	Tr.	-	2.4
	Boscombe Down	42	33	32	Tr.	-	.
	Calshot (S'thamtn)	43	35	29	Tr.	-	0.0
	Dungeness	43	35	*	3	Tr.	*
	Lympne	41	33	32	1	1	0.8
2	Shoeburyness	43	33	32	0.2	0.6	0.9
	Felixstowe	41	33	32	0.6	1	0.7
	Gorleston	40	33	32	1	4	0.4
	Cranwell	39	32	31	0.5	0.1	0.0
3	Cardington	41	33	33	0.1	-	0.7
	Birmingham	41	33	32	-	Tr.	0.9
	Upper Heyford	41	32	32	Tr.	-	.
	Leafield	40	32	31	Tr.	Tr.	2.4
4	Ross-on-Wye	41	34	30	-	-	0.4
5	Portland Bill	43	34	*	-	-	*
	Plymouth	45	35	28	-	-	2.6
	Falmouth	44	35	*	-	-	4.6
	Scilly (St. Mary's)	45	40	*	-	-	5.2
	Guernsey	43	40	33	Tr.	-	0.0
6	Pembroke	44	33	*	-	-	6.1
7	Holyhead	44	36	32	-	-	6.1
	Chester (Sealand)	42	34	32	-	-	0.2
8	L'pool (Bidston)	40	35	33	-	-	2.3
9	Harrogate	38	31	29	Tr.	-	0.3
10	Spurn Head	41	35	*	0.3	Tr.	0.0
	Tynemouth	42	35	33	0.3	0.1	*
11	Inchkeith	43	36	34	-	-	0.6
	Leuchars	42	33	32	-	-	0.4
12	Renfrew	41	33	29	-	-	2.3
	Eskdalemuir	37	31	29	Tr.	-	0.0
13A	Tiree	43	39	37	-	1	5.0
13B	Stornoway	44	40	*	-	1	0.8
15	Dalwhinnie	35	30	*	-	-	3.8
	Aberdeen	41	35	34	-	0.3	0.0
	Wick	41	38	*	-	-	*
16	Lerwick	42	38	*	-	1	0.0
17	Blacksod Point	45	40	*	-	2	*
18	Malin Head	43	37	*	-	0.5	5.8
	Aldergrove	42	33	28	Tr.	Tr.	4.6
	Donaghadee	44	38	*	-	-	*
19	Birr Castle	43	31	25	-	Tr.	5.0
20	Valentia Obsy.†	47	41	38	-	-	4.0
	Roches Point	46	35	*	-	Tr.	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations.

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon (24 hrs. ended 9h.)	Weather Night (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	cmc3o	cpoc3o	cidm	42	35	34	0.1	Tr.	0.2	*	*	5
Croydon	217	rfrcm	cpormc	cmrs	41	35	33	0.1	Tr.	0.0	*	*	3
Greenwich (Royal Observatory)	149	cpoc	cpoc	eisom	42	34	30	Tr.	0.3	0.0	68	90	4
City (Bunhill Row)	—				*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Park)	27	*	*	*	42	35	33	0.4		0.0	66	86	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	0.1	*	*	*
Camden Square	110	oc	orc	*	40	35	33	0.3	Tr.	*	90		*
Kensington Palace	80	orco	co	*	41	35	31	Tr.	0.2	*	At 18h. 85	86	*
Hampstead Observatory	450	ofrom	om	*	39	30	28	Tr.	Tr.	0.1		88	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.
0.8	10h 3rd	<0.3	0h-6h 4th

Kew Observatory Max.	Time.	Min.	Time.
0.2	18h 3rd	<0.1	4h 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.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day. mm.	Rainfall Night. mm.
Paris	1015.9	NNE	5	id₀	37	1019.9	NNE	3	m	36	39	34	0.4	-
Brussels	1017.9	NNE	3	o	34	1020.6	NE	6	o	32	37	32	1	-
Berlin						1021.7	ENE	3	o	27		25		-
Zurich		SE	1	3		1015.2	SW	1	m	32	41	30	-	-
Rome	1009.8	WSW	2	bc	43	1021.4	NE	2	bc	37	57	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	1½ miles.
5	Poor visibility	2½ „
6	Moderate „	6½ „
7	Good „	12½ „
8	Very good „	31 „
9	Excellent „	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

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

† hr observations are from Valentia W/T station

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 5th February 1931.

No. 25377

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)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0-10 (12)	Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1025.0	-8	NE	3	c	38	65	6	2	3	-	7-8	9+	1500
	Croydon ...	1024.6	-2	NE	2	iso	36	75	6	8	-	-	9	9	1500
	S. Farnborough	1024.7	-2	NE	3	c	38	65	6	2	7	3	7-8	9	2500
	Winchester ...	1025.4	-2	N'E	3	c	38	75	8	5	1	-	7-8	10	4000
	Boscombe Down	1025.8	0	NNE	3	c	37	75	7	5	2	-	2-3	10	2500
	Calshot, S'thmtn	1025.0	0	N	3	c	40	65	7	8	1	-	4-6	9 (7-8)	2500
	Dungeness ...	*	*	NNE	4	ps	*	*	7	6	7	*	4-6	9+	2500
	Lympne ...	1023.5	-2	NE'N	4	cps	35	75	7	8	-	-	7-8	7-8	1500
2	Shoeburyness	1024.6	-4	NE	3	c	36	95	8	5	3	-	7-8	9	1500
	Felixstowe ...	1025.0	0	NE'N	3	iso	35	95	6	6	-	-	7-8	7-8	800
	Gorleston ...	1024.6	-4	E'S	2	c	35	95	7	6	2	-	4-6	7-8	1500
	Cranwell ...	1026.4	-2	N	2	cps	36	85	6	8	-	-	10	10	1500
3	Cardington ...	1025.7	-4	NE'N	3	cps	37	75	7	8	6	1	7-8	10	2500
	Birmingham ...	1026.7	+2	NNE	1	iso	35	85	4	6	1	-	4-6	7-8	1500
	Upper Heyford	1026.5	+2	NE	2	c	36	85	7	5	2	-	4-6	10	2500
	Leafield ...	1025.9	+6	N'W	2	iso	35	85	7	6	-	-	10	10	2500
4	Ross-on-Wye ...	1026.3	+4	NW	2	omo	37	85	5	5	-	-	10	10	1500
5	Portland Bill...	1025.0	+6	N'E	3	c	39	75	7	4	7	-	4-6	9+	2500
	Plymouth ...	1026.8	+10	N	3	c	39	65	6	5	1	-	2-3	10	4000
	Falmouth ...	1028.0	+6	N	1	c	39	65	6	5	2	-	7-8	10	4000
	Scilly (St. Mary's)	1027.1	+6	-	0	bc	45	65	7	4	-	-	4-6	4-6	4000
	Guernsey ...	1024.2	+4	NE	3	o	42	55	7	5	-	-	10	10	2500
6	Pembroke ...	1025.7	+2	SW	1	c	41	65	6	-	9	8	0	9	-
7	Holyhead ...	1025.2	-4	S'W	3	c	41	75	6	5	2	-	9+	10	2500
	Chester (Sealand)	1026.4	-6	SE	1	cmo	38	85	5	5	2	2	4-6	9	7200
8	L'pool (Bidston)	1026.3	0	SE	2	c	37	85	6	5	1	-	4-6	10	1500
9	Harrogate ...	1027.1	0	-	0	sf	32	95	3	5	-	-	10	10	<150
10	Spurn Head ...	1026.8	0	E'N	2	c	37	75	8	4	6	-	4-6	10	4000
	Tynemouth ...	1026.6	-2	WSW	1	ss	34	95	4	6	-	-	10	10	1500
11	Inchkeith ...	1025.7	-4	S	2	rs	33	95	5	6	-	-	10	10	800
	Leuchars ...	1024.8	-6	S	2	soso	33	95	5	6	-	-	10	10	450
12	Renfrew ...	1024.3	-8	S	1	dodo	37	95	5	6	2	-	9	10	1500
	Eskdalemuir ...	1026.2	-2	S	1	soso	31	95	6	6	-	-	10	10	800
13A	Tiree ...	1022.1	+4	W	2	b	48	75	8	4	-	8	Tr.	1	2500
13B	Stornoway ...	1019.1	+4	WSW	2	bc	47	85	7	1	7	-	1	2-3	4000
15	Dalwhinnie ...	1023.2	+2	WSW	4	c	34	95	8	6	2	-	2-3	7-8	2500
	Aberdeen ...	1024.0	-4	S	3	soso	34	95	5	6	-	-	10	10	800
	Wick ...	1020.3	-4	SW	5	rr	37	95	7	6	2	-	7-8	10	1500
16	Lerwick ...	1019.9	-14	S'W	5	rr	38	85	7	6	2	-	7-8	10	1500
17	Blacksod Point	1024.5	+4	W	3	c	48	75	8	4	-	-	7-8	7-8	*
18	Malin Head ...	1023.0	0	W	3	bc	47	85	7	1	-	9	2-3	2-3	1500
	Aldergrove ...	1024.3	-12	S'W	2	o	38	95	6	5	-	-	10	10	800
	Donaghadee ...	1023.4	-12	SSW	2	bc	40	85	7	5	3	-	4-6	4-6	2500
19	Birr Castle ...	1025.4	0	SW	1	c	42	95	7	5	-	-	9+	9+	1500
20	Valentia Obsy.	1026.2	+2	-	0	c	47	95	8	5	-	-	9+	9+	1500
	Roches Point...	1026.6	0	SW	2	dodo	43	95	6	5	-	-	10	10	800

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Amount Low 0-10 (26)	Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	1026.8	+10	NNW	2	c	36	75	5	5	-	-	9+	9+	2500	1	*
Croydon	1025.9	+10	N'E	2	om	35	85	4	5	-	-	10	10	1500	1	*
S. Farnborough	1026.2	+12	NNW	2	soso	34	95	6	6	-	-	10	10	1500	1	*
Winchester	1027.2	+18	NNW	3	rs	35	95	6	5	-	-	10	10	1500	1	*
Boscombe Down	1026.9	+8	NNE	2	iso	34	95	6	5	-	-	10	10	2500	1	*
Calshot, S'thmtn	1026.3	+12	NNW	3	c	37	85	6	5	7	-	2-3	9+	2500	0	1
Dungeness	*	*	N'W	2	c	*	*	7	5	2	*	7-8	9+	2500	*	2
Lympne	1025.2	+12	N	2	iso	31	95	6	6	-	-	10	10	1500	6	*
Shoeburyness	1025.8	+6	NW	1	c	32	95	8	5	-	-	9+	9+	1500	1	*
Felixstowe	1026.0	+6	N'W	2	cmo	33	95	6	5	-	-	9	9	4000	1	1
Gorleston	1025.5	+6	NNW	1	soso	35	95	5	6	-	-	10	10	800	1	2
Cranwell	1027.5	+10	-	0	sos	32	95	4	6	2	-	7-8	10	1500	6	*
Cardington	1026.1	+8	NNW	2	is	33	85	6	6	-	-	10	10	1500	1	*
Birmingham	1027.3	+8	-	0	iso	34	75 (85)	5	6	-	-	10	10	1500	1	*
Upper Heyford	1027.5	+10	NNE	2	ss	32	95	5	6	-	-	10	10	800	6	*
Leafield	1026.9	+16	N'W	1	iso	32	95	7	5	-	-	10	10	2500	6	*
Ross-on-Wye	1026.6	+4	-	0	om	36	85	4	5	-	-	10	10	800	1	*
Portland Bill	1027.2	+8	N'E	3	c	39	75	6	4	7	-	7-8	10	2500	1	2
Plymouth	1027.5	+14	N	1	c	40	65	6	5	-	1	9	9+	4000	1	0
Falmouth	1028.3	+6	N	1	c	40	65	6	5	2	-	7-8	10	4000	0	0
Scilly (St. Mary's)	1027.7	+4	NNW	3	c	44	75	7	5	-	-	9	9	4000	0	1
Guernsey	1025.9	+14	NNE	1	o	40	65	8	5	-	-	10	10	2500	0	2
Pembroke	1025.8	+4	WSW	3	dodo	42	95	6	3	2	-	4-6	10	800	1	2
Holyhead	1025.7	+6	S	2	c/r	39	95	6	5	-	-	9+	9+	800	1	1
Chester (Sealand)	1026.6	+2	SE'E	2	cmo	36	85	5	5	3	-	7-8	9+	4000	1	*
L'pool (Bidston)	1026.1	+4	ESE	2	c	36	85	6	5	-	-	9	9	1500	0	*
Harrogate	1027.4	0	S	1	sf	31	95	3	5	-	-	10	10	<150	7	*
Spurn Head	1026.4	0	N'W	2	c	36	75	8	5	-	-	9+	9+	4000	0	4
Tynemouth	1026.5	0	S	2	o/s	33	95	6	6	-	-	10	10	1500	7	1
Inchkeith	1025.2	+4	WSW	2	c	37	85	7	5	2	-	7-8	10	800	0	0
Leuchars	1024.9	+2	SE	1	c	34	95	6	5	2	-	4-6	10	1500	7	*
Renfrew	1025.2	+10	WSW	1	c	37	95	6	5	-	-	9+	9+	1500	1	*
Eskdalemuir	1027.0	-8	W'S	2	o	31	95	6	5	-	-	10	10	450	8	*
Tiree	1023.3	+6	SSW	2	dpr	39	95	8	4 (8)	7	6	Tr.	9	2500	0	3
Stornoway	1020.7	+4	SW	1	bc	39	85	8	4	-	-	2-3	2-3	4000	1	1
Dalwhinnie	1024.2	+12	WSW	3	bc	31	95	8	7	-	-	2-3	2-3	4000	9	*
Aberdeen	1023.8	-2	S	3	is	34	95	6	6	-	-	10	10	1500	1	2
Wick	1021.7	+12	SW	3	bc	36	95	7	5	1	8	2-3	4-6	2500	1	3
Lerwick	1020.4	+6	SSW	3	cr	40	95	7	5	2	-	4-6	10	1500	1	*
Blacksod Point	1024.7	+2	W	3	bc	46	85	8	5	-	-	4-6	4-6	800	0	3
Malin Head	1023.9	+6	SW	1	c	43	95	7	5	-	9	7-8	7-8	1500	0	1
Aldergrove	1026.2	+12	SE'S	2	bc	36	95	5	5	-	5	4-6	4-6	800	1	*
Donaghadee	1025.1	+10	SW	1	bc	40	95	7	5	3	-	4-6	4-6	2500	0	0
Birr Castle	1026.2	+6	SE	1	c	41	95	6	8	-	2	2-3	9	2500	1	*
Valentia Obsy.	1026.3	+6	-	0	c	45	95	8	5	-	-	9+	9+	5700	1	2
Roches Point	1026.4	0	N	2	c	46	95	8	5	-	-	9	9	2500	1	0

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 4th (37)	13h.—18h. 4th (38)	18h. 4th to 1h. 5th (39)	1h.—7h. 5th (40)
London (Kew)	cosomo cmo	cmoso cmo	cmoscmo	cmox
Croydon	cmffssmo	cmo m iso	cososom	cbmxcm
S. Farnborough	cmoso so	cmoso so	ososobxcx	cxoF
Winchester	c	coros	orsmobcmox	bmxcmox
Boscombe Down	cmoc	cisoisoro	cisomo	cmo
Calshot, S'thmtn	c, cmoc	cporcmo	cmociso	c,bcmo
Dungeness	s-rs	o	*	c
Lympne	cporsosops	csoso	oscmo	cbcmo
Shoeburyness	ois	ciso	x	cx
Felixstowe	rossHqosom	cssosmo	cmo	cso
Gorleston	ophoisoq	cqpso	cois v	ciso o
Cranwell	sscpos	cposcsosmo	csosmsfx	oFxm
Cardington	cisocpso	cso, s	c,b	boffx
Birmingham	csom	coiso	oiso	oc
Upper Heyford	cposoc	csomo ss	ososoom	offx
Leafield	oisoc	osisoc	oisoo	o
Ross-on-Wye	omcmom	cmom	omcm	cm
Portland Bill	bcc	czo	czo	
Plymouth	bxocmo	czobc	czo	cmo
Falmouth	cmo	cmo	cmo	codomo
Scilly (St. Mary's)	cbc	bcc	cid	omdcp
Guernsey	oco	oco	ocbcc	oc
Pembroke	cmo	cmodo	cdom	cmoe
Holyhead	cmoporh,c	iromo	cbccmo	cmo
Chester (Sealand)	fsocmo	cmo	cmom	cmf
L'pool (Bidston)	oisoc	cmoc	coc	cmobc
Harrogate	coff	offss	soff	off
Spurn Head	bc	bc	cops	cpsoc
Tynemouth	offss	ois	o	o
Inchkeith	ors	oc	cmomo	cmomo
Leuchars	oirosofsoso	isosoocmoc	cbcmo	bccmo
Renfrew	crsododomo	cmoro	cmo	cmo
Eskdalemuir	cossomo	osdoomo	opso	of
Tiree	crobc	bbcproc	ciro	[illegible]
Stornoway	cbc	bc	bcpr	rrdd
Dalwhinnie	psoc	cbc	bc	bcc
Aberdeen	cososo	orsorsois	osocmo	c
Wick	crr	crrbc	bc	bc
Lerwick	ciroorr	orr,c	cbc	cpro
Blacksod Point	c	c	prc	dd
Malin Head	omoirebc	bcczo	c	ciroc
Aldergrove	corsrrsmo	omobcmo	bcmofe	ofeomo
Donaghadee	idobc	bc	bc	bcc
Birr Castle	coddc	c	cbcfxc	cro
Valentia Obsy.	cidoidc	c	bbc	bccroc
Roches Point	czooddodo	odoc	cbcw	bccw

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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

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 $\frac{1}{20}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical 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.

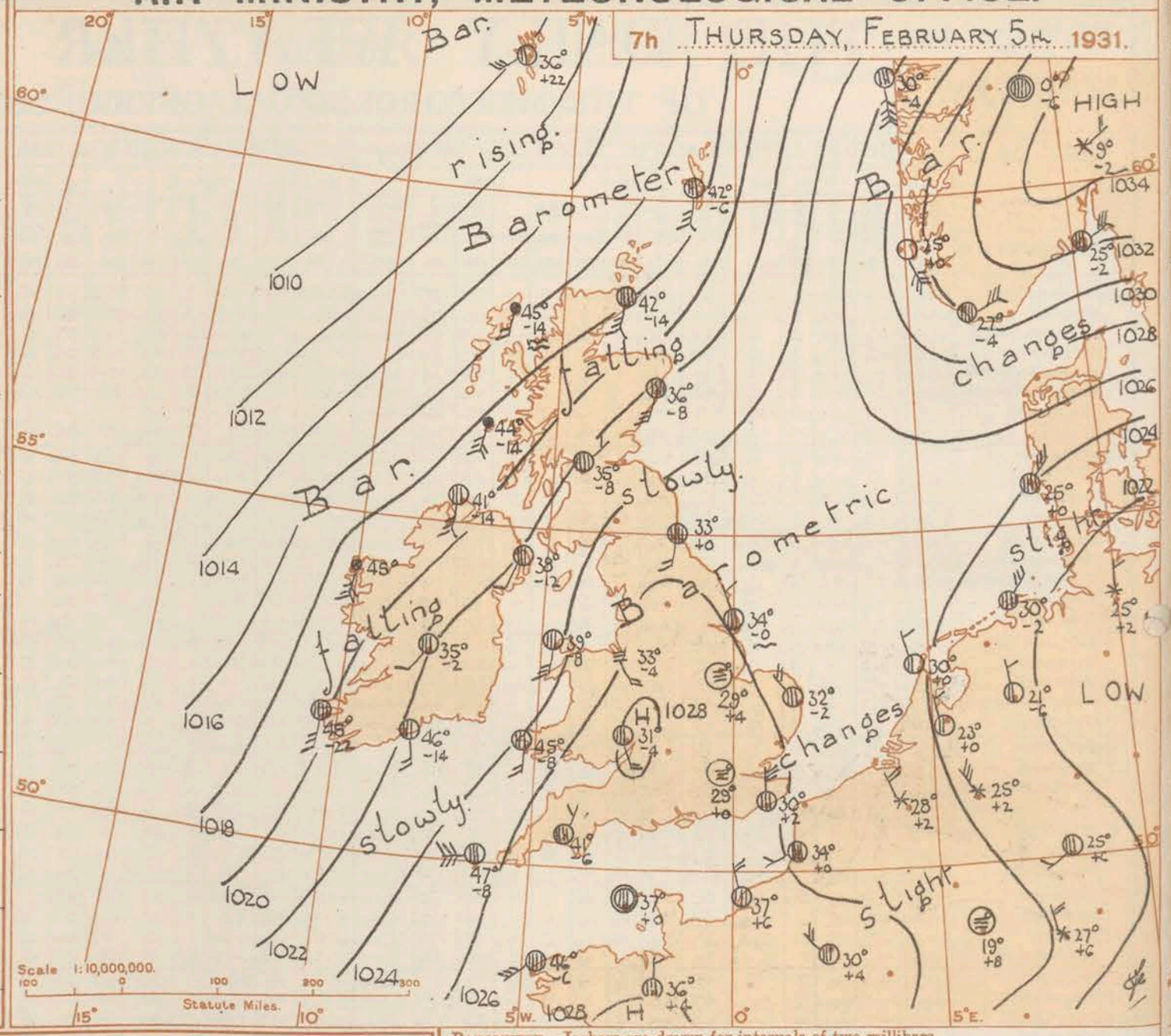
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 4th February 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	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.	or0	oc0	33	35	Trace	1	0·8
	Bournemouth	0	0	33	40	-	-	0·0
	Ventnor ...	ors	bzour	34	39	Trace	-	0·4
	Southsea ...	0	oc	36	40	-	-	0·1
	Bognor Regis	ocbc	os$_0$0	34	39	-	Trace	1·0
	Littlehampton	cbc	bcs$_0$0	34	39	Trace	Trace	1·1
	Worthing ...	s$_0$oc	bchc0	35	39	-	Trace	1·0
	Brighton ...	crsc	bcrsc	36	39	-	Trace	0·8
	Eastbourne†	osso	cs$_0$0	34	38	0·2	2	0·2
	Hastings† ...	os$_0$oc	bcoc	34	38	1	0·3	1·3
	Folkestone ...	cos$_0$	ois$_0$	34	39	2	Trace	1·6
	Dover... ...	cps$_0$	cpss	35	38	1	Trace	0·1
	Deal	obcc	os$_0$0	36	38	1	Trace	1·1
	Ramsgate ...	c	c	35	38	1	-	0·5
	Margate ...	cos	bcs$_0$c	35	38	1	Trace	0·5
2	Southend ...	oscbc	cbcsm	34	37	1	1	2·7
	Maldon ...	rsoc	bcco	33	38	1	Trace	0·7
	Clacton-on-Sea	cps$_0$	cps$_0$	34	36	1	1	0·3
	Dovercourt ...	socbc	soc	33	36	1	1	1·1
	Lowestoft ...	coprs	cprsh	33	35	3	0·2	0·7
	Skegness ...	ohbcs	om$_0$	35	37	1	Trace	1·6
	Mablethorpe	coh	oh	36	37	1	Trace	0·0
	Cleethorpes ...	s$_0$0	is$_0$0	35	37	0·3	Trace	0·0
3	Leamington S.	ors	ors	35	37	-	1	0·0
4	Cheltenham†	moiso	omiso	33	39	Trace	Trace	0·0
5	Bath	c	cp$_0$	35	38	-	Trace	0·0
	Weymouth ...	c	c	33	40	-	-	0·1
	Jersey ...	c	c	36	43	-	-	0·4
	Torquay ...	om$_0$oc	bccm$_0$	33	41	-	-	1·0
	Penzance ...	c	cbcm	37	45	-	-	1·9
	St. Ives ...	c	c	37	43	-	-	1·9
	Bude	cm$_0$	cbcc	37	43	-	-	1·5
	Ilfracombe ...	oc	c	35	42	-	-	0·3
6	Aberystwyth	czcz$_0$	cz$_0$	32	39	-	-	0·1
7	Llandudno ...	co	oc	35	40	-	-	0·0
	Colwyn Bay...	oco	obc	34	40	-	-	0·0
	Rhyl	cm$_0$	cm$_0$	33	40	-	-	0·0
8	Wallasey ...	ops$_0$0	o	35	39	-	Trace	0·0
	Southport‖ ...	o	o	34	38	-	-	0·0
	Blackpool ...	oc	co	34	37	-	-	0·0
	Morecambe ...	cspsc	cbbcc	34	37	-	1	0·1
9	Ilkley... ...	cos	so	31	34	Trace	3	0·0
10	Berwick-on-T.	os	rco	34	39	-	2	0·0
11	Dunbar ...	om$_0$	odr	35	36	-	1	0·0
12	Douglas ...	rcbomp	cbbc	36	40	-	0·3	0·0

† 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 the wind. Number of feathers indicate Beaufort force. Calm, = ⊙
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. ▲ 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. 5th Feb. 1931.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Light variable winds, probably becoming from a southerly direction, light to moderate; mainly cloudy, perhaps light rain or drizzle tomorrow; mist or local fog, possibly local ground frost early tonight; temperature rising.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	South to southwest winds, moderate to fresh, perhaps stronger in places later; mainly cloudy, some rain or showers; local mist or fog; somewhat milder.
10. N.E. England 11. S.E. Scotland	South to southwest winds, moderate to fresh; mainly cloudy, some rain or showers, possibly sleet or snow on high ground; somewhat milder.
12. S.W. Scotland & Isle of Man	
13. A. W. Scotld. B. N.W. Scotland.	South to southwest winds, fresh to strong; cloudy, some rain or showers, sleet or snow may occur on high ground; somewhat milder.
14. Mid-Scotland	As 10 - 11.
~~15. N.E. Scotland~~	
16. Orkneys and Shetlands.	As 12 - 13B.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Strong winds between south and west; cloudy, some rain or showers; somewhat milder.

GENERAL INFERENCE.

Secondary depressions continue to move northeast along the western seaboard and are tending to extend their influence further eastward than of late. High pressure is maintained over Scandinavia and continues high and fairly uniform over England. Rain or showers will occur in Ireland, Scotland and perhaps Northern England but elsewhere mainly fair quiet cold weather will continue for today at least.

FURTHER OUTLOOK.

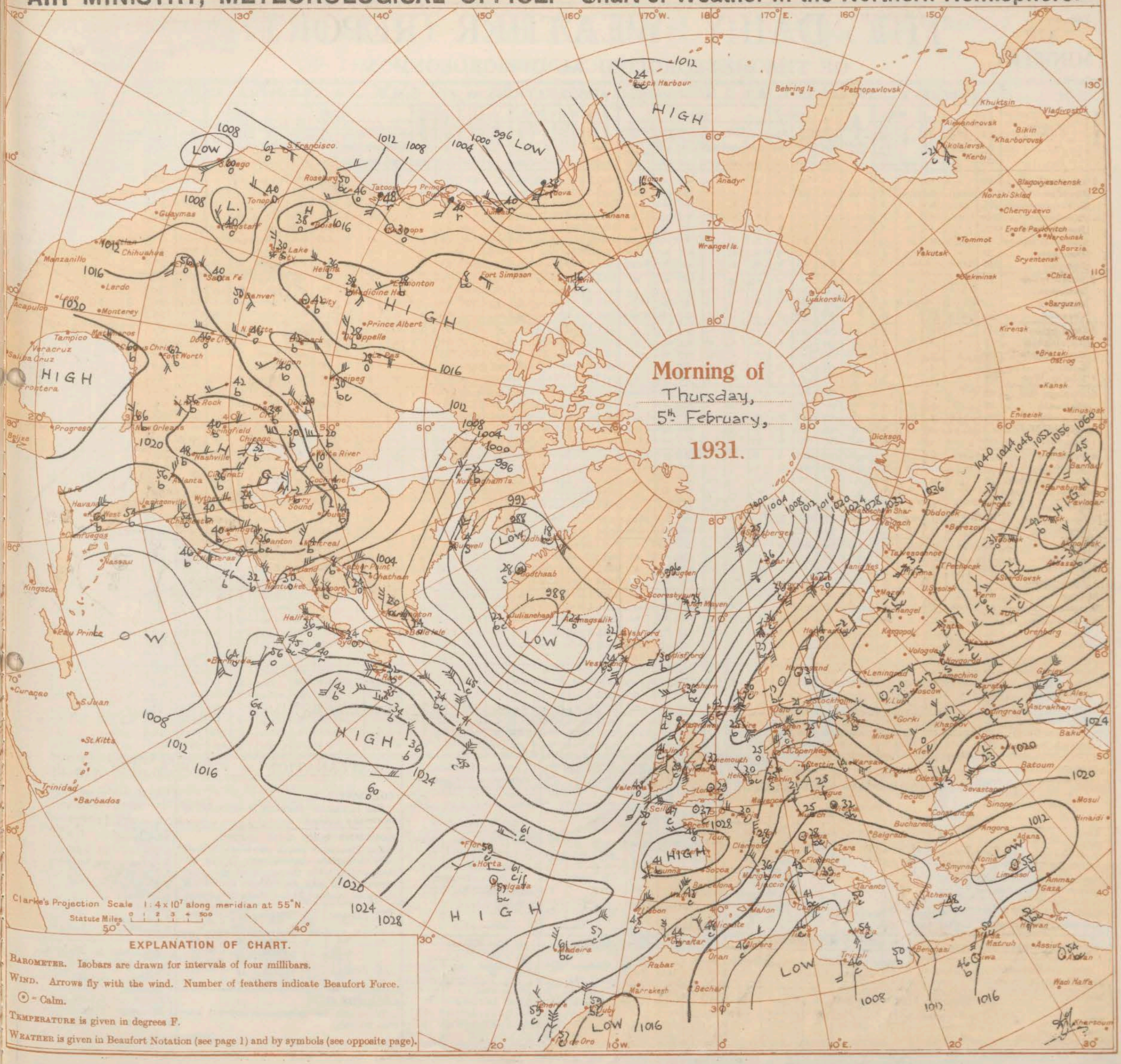
None issued.

Forecasts issued at 1025 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2. Pc.2459/2145, m.26, g.6026, wp.908, 28280. 2/31.

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 5th February 1931.

No. 25277

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)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1026·7	0	WNW	2	m	32	95	4	5	-	-	10	10	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1027·0	0	N	3	c	35	85	7	5	7	-	7·8	10	2500
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1025·9	+2	NW'N	3	z	30	95	6	4	2	-	1	9	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1025·8	-4	NWW	1	c	32	95	8	8	-	-	10	10	1500
	Cranwell	240	1027·5	0	-	0	F	27	95	1	-	-	-	10	10	<150
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1027·0	-2	N	2	c	37	85	6	4	-	-	10	10	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1027·8	0	SW	2	c	42	95	7	5	-	-	10	10	4000
	Scilly (St. Mary's)	163	1027·1	-4	W	3	id.	45	95	7	5	-	-	9+	9+	4000
	Guernsey	175	1027·4	+2	-	0	0	40	75	6	5	-	-	10	10	2500
6	Pembroke	142	1025·7	0	NE	2	x mo	40	95	6	5	8	-	4·6	9	4000
7	Holyhead	26	1025·5	-2	S	2	c	40	95	6	5	-	-	10	10	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1026·4	0	N'E	3	c	32	95	6	6	7	-	4·6	9	2500
	Tynemouth	67	1026·3	0	S	2	0	33	95	6	5	-	-	10	10	1500
11	Inchkeith	190	1025·2	0	WSW	2	c	35	95	6	-	3	-	0	7·8	-
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1016·8	-12	S	7	rr	44	95	6	6	-	-	10	10	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1020·1	-8	SW	3	bc	40	95	8	5	3	.	4·6	4·6	2500
16	Lerwick	54	1019·7	-2	S	3	c	41	95	7	8	-	-	7·8	7·8	1500
17	Blacksod Point	18	1021·9	-10	S	5	c	46	95	7	8	-	-	9	9	800
18	Malin Head	52	1022·1	-4	S	3	c	42	95	7	5	-	-	9+	9+	2500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1024·9	0	S	3	c	45	85	8	7	-	-	9+	9+	2500
	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)	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)	1027·3	0	-	0	c	30	85	5	5	1	-	9	10	2500	4	*
	Croydon	1027·0	0	-	0	m	29	95	4	5	-	-	9	9	1500	1	*
	S. Farnborough	1027·0	0	S	1	F	27	95	1	-	-	-	10	10	<150	4	*
	Winchester	1027·1	-2	E'S	1	z	30	95	5	-	3	9	0	7·8	-	4	*
	Boscombe Down	1027·2	-2	-	0	z	30	95	5	-	7	-	0	7·8	-	6	*
	Calshot, (S'thmtn)	1026·9	+2	E'N	3	bc	34	85	6	5	4	-	2·3	4·6	2500	0	0
	Dungeness	*	*	NW	2	bc	*	*	7	5	4	*	2·3	4·6	4000	*	1
	Lympne	1026·1	+2	NNW	3	z	30	95	6	5	3	-	2·3	7·8	4000	6	*
2	Shoeburyness	1026·9	0	NNW	2	c	32	95	7	5	3	-	7·8	9+	2500	0	*
	Felixstowe	1026·7	0	NNW	2	is.	32	95	7	6	-	-	9	9	2500	6	1
	Gorleston	1025·9	-2	NW'W	2	c	32	95	7	8	-	-	10	10	1500	6	1
	Cranwell	1026·9	-4	-	0	m	29	95	4	5	-	-	10	10	450	8	*
3	Cardington	1027·3	-2	SWW	1	f	28	95	2	5	-	-	10	10	220	6	*
	Birmingham	1027·0	0	SSE	1	c	32	95	5	-	2	-	0	10	-	1	*
	Upper Heyford	1027·5	+4	S	1	f	30	95	3	5	-	-	10	10	800	8	*
	Leafield	1026·6	-4	SE	2	m	30	95	4	5	-	-	10	10	2500	6	*
4	Ross-on-Wye	1027·1	-4	ESE	2	m	31	95	4	5	-	-	9	9	2500	1	*
5	Portland Bill	1026·3	0	E	2	c	40	85	6	4	-	-	10	10	2500	1	2
	Plymouth	1026·0	-6	NE	1	c	41	85	7	5	-	-	10	10	800	1	-
	Falmouth	1026·1	-4	W'N	2	d.d.	45	95	6	6	-	-	10	10	2500	1	0
	Scilly (St. Mary's)	1025·4	-8	W	6	c	47	85	8	5	-	-	9	9	4000	1	3
	Guernsey	1026·5	0	-	0	c	37	85	6	5	-	-	7·8	7·8	2500	0	1
6	Pembroke	1024·0	-8	S	2	c	45	85	8	5	3	-	4·6	9	2500	1	2
7	Holyhead	1023·6	-8	S'E	3	c	39	95	6	5	-	-	9+	9+	1500	1	0
	Chester (Sealand)	1025·4	-4	SE'E	2	f	33	95	3	5	-	8	4·6	9	4000	1	*
8	L'pool (Bidston)	1024·9	0	E	2	c	34	95	6	5	-	-	7·8	7·8	1500	0	*
9	Harrogate	1026·6	0	SSE	1	f	31	95	2	5	-	-	10	10	<150	8	*
10	Spurn Head	1025·9	0	NW'N	1	c	34	95	6	5	2	-	7·8	10	4000	0	4
	Tynemouth	1024·9	0	SSW	2	0	33	95	6	5	-	-	10	10	800	1	2
11	Inchkeith	1024·8	-8	NE	1	z	35	95	6	5	2	-	4·6	9+	800	0	1
	Leuchars	1023·2	-6	-	0	c	30	95	5	5	2	-	4·6	10	4000	8	*
12	Renfrew	1022·7	-8	NE	1	c	35	95	6	5	-	-	10	10	1500	1	*
	Eskdalemuir	1024·5	-6	SSW	2	f	32	95	2	5	-	-	10	10	<150	9	*
13A	Tiree	1018·1	-14	S	5	is	44	95	7	5	23	.	9	10	800	1	3
13B	Stornoway	1014·6	-14	SSW	4	dd	45	95	6	6	-	-	10	10	4000	2	3
15	Dalwhinnie	1020·9	-6	SW	4	c	35	85	7	5	-	-	7·8	7·8	1500	3	*
	Aberdeen	1022·2	-8	SSW	3	o	36	95	7	5	-	-	10	10	1500	1	2
	Wick	1018·3	-14	SSW	4	cir	42	85	8	9	2	-	7·8	10	1500	1	3
16	Lerwick	1017·7	-6	S	4	c	42	85	7	5	2	-	4·6	10	1500	0	*
17	Blacksod Point	1018·3	-24	S	5	d.d.	45	85	7	6	-	-	10	10	<150	1	3
18	Malin Head	1018·8	-14	S	4	c	41	95	7	5	3	-	7·8	9+	1500	0	2
	Aldergrove	1022·3	-16	SSE	3	o	38	95	5	5	-	-	10	10	450	1	*
	Donaghadee	1022·0	-12	SW	1	c	38	95	7	5	-	-	7·8	7·8	1500	0	1
19	Birr Castle	1022·2	-6	SW	1	c	38	95	7	5	-	-	9	9	2500	1	*
20	Valentia Obsy.†	1020·9	-22	SSE	3	c	45	95	8	5	-	-	10	10	800	1	-
	Roches Point	1022·0	-14	SE	2	c	46	95	8	5	-	-	7·8	7·8	1500	1	0

PAST 24 HOURS.

Stations	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 4th Hrs. (36)
London (Kew)	38	29	20	Tr.	Tr	1·2
Croydon	37	29	24	Tr.	0·2	0·0
S. Farnborough	40	27	18	Tr.	Tr	1·3
Winchester	38	30	23	Tr	Tr	0·4
Boscombe Down	37	30	25	0·2	0·1	*
Calshot, (S'thmtn)	40	33	29	Tr.	Tr	0·6
Dungeness	39	30	*	Tr.	-	*
Lympne	37	30	27	Tr.	0·2	1·1
Shoeburyness	37	30	29	2	-	1·4
Felixstowe	37	30	28	2	0·1	0·7
Gorleston	37	31	31	0·6	2	1·0
Cranwell	38	26	26	0·4	1	0·7
Cardington	38	27	23	Tr.	0·6	1·0
Birmingham	35	31	31	Tr.	Tr.	0·0
Upper Heyford	37	28	17	2	0·1	
Leafield	35	29	27	0·2	Tr	0·0
Ross-on-Wye	37	31	26	-	-	0·0
Portland Bill	40	37	*	—	—	*
Plymouth	42	37	33	—	-	1·0
Falmouth	41	40	*	—	0·6	1·1
Scilly (St. Mary's)	47	44	*	—	1	3·6
Guernsey	42	36	26	—	-	0·0
Pembroke	43	39	*	0·1	0·4	0·1
Holyhead	41	37	28	0·6	-	0·0
Chester (Sealand)	38	33	31	Tr.	-	0·0
L'pool (Bidston)	38	34	32	Tr.	-	0·0
Harrogate	34	30	29	8	0·1	0·0
Spurn Head	38	31	*	—	0·1	0·0
Tynemouth	36	33	32	2	-	*
Inchkeith	37	35	31	2	-	0·0
Leuchars	36	26	23	2	-	0·0
Renfrew	38	31	24	0·1	-	0·0
Eskdalemuir	32	28	30	2	0·1	0·0
Tiree	49	38	34	3	2	4·9
Stornoway	47	39	*	2	5	0·0
Dalwhinnie	35	26	*	2	-	0·8
Aberdeen	38	33	29	3	0·1	0·0
Wick	39	35	*	3	-	*
Lerwick	40	39	*	5	Tr	0·0
Blacksod Point	49	44	*	-	1	*
Malin Head	47	40	*	2	0·1	5·3
Aldergrove	41	32	31	1	Tr	0·7
Donaghadee	43	35	*	0·3	-	*
Birr Castle	45	33	27	1	Tr	0·6
Valentia Obsy.†	49	34	34	0·4	0·1	0·9
Roches Point	48	38	*	2	Tr	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 6h—21h, other 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	crs3m.cm.	cm3s.cm.	cm3m.x	38	29	20	Tr	Tr	1·2	*	*	4
CROYDON	217	cm4f3s3m	cm mis.	cos3bcmx	37	29	24	Tr	0·2	0·0	*	*	3
GREENWICH (Royal Observatory)	149	cis.	cis	cs3bxcf	38	27	19	Tr	Tr	0·7	63	95	2
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·3	*	*	*
WESTMINSTER (St. James' Park)	27	*	*	*	39	32	24	-	-	0·1	70	95	*
REGENTS PK. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	0·5	*	*	*
CAMDEN SQUARE	110	csc	c	*	37	30	20	Tr	Tr	*	*	94	*
KENSINGTON PALACE	80	ors	bcco	*	38	29	23	-	Tr	*	At 18h. 76	92	*
HAMPSTEAD OBSERVATORY	450	osbc	bcos	*	37	24	21	0·3	0·1	1·1	*	98	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

SOUTH KENSINGTON. Max.	Time.	Min.	Time.
0·8	10h 4m	<0·3	0-6h 5m

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0·3	18h 4m	0·1	6h 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.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day. mm.	Rainfall Night. mm.
PARIS	1023·3	NE	3	o	32	1027·5	WNW	2	z	32	36	30	-	-
BRUSSELS	1023·6	NNE	2	o	30	1025·2	WNW	2	is.	28	32	25	Tr	Tr
BERLIN	1021·4	ESE	2	s.s.	25	1021·3	ENE	2	m	21	27	21	0·4	1
ZÜRICH	1018·0	SSW	1	z	34	1021·1	NW	2	s.s.	28	36	28	-	1
ROME						1012·0	NNE	3	c	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	1½ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

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

† 1 hr observations are from Valentia W/T station

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 6th February 1931.

No. 25278

OBSERVATIONS at 13h. G.M.T. 5th 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)	1026.3	-20	-	0	cm	35	85	4	-	3	-	0	9+	-
	Croydon	1026.1	-14	E'S	1	of	33	95	3	5	-	-	10	10	4000
	S. Farnborough	1026.0	-14	SE	1	cz	35	75	5	5	3	-	4.6	9+	7200
	Winchester	1025.7	-18	S	3	c	37	75	6	5	-	-	9+	9+	5700
	Boscombe Down	1026.1	-10	SSE	3	cm	37	85	6	-	3	-	0	9+	-
	Calshot, S'thmtn	1026.2	-10	SE'E	3	c	39	75	6	5	3	-	4.6	9+	5700
	Dungeness	*	*	NW	2	bc	*	*	7	1	-	*	9 4-6	9 4-6	2500
	Lympne	1025.8	-8	NNW	2	bz	35	75	6	1	-	-	1	1	2500
2	Shoeburyness	1026.5	-6	NNE	2	bc	38	65	7	4	-	-	4.6	4.6	4000
	Felixstowe	1026.9	-4	N	3	c	38	65	8	7	-	-	7.8	7.8	4000
	Gorleston	1026.5	+6	NNE	2	c	34	95	7	8	-	-	9	9	2500
	Cranwell	1025.8	-12	SE'S	2	o	33	95	6	5	-	-	10	10	4000
3	Cardington	1026.3	-14	SSE	1	c	33	85	5	4	-	-	9+	9+	4000
	Birmingham	1024.6	-16	S	2	cm	36	85	5	5	-	-	9+	9+	4000
	Upper Heyford	1026.0	-10	SSE	3	cm	35	95	5	5	3	-	2.3	9+	1500
	Leafield	1025.0	-6	S	3	c	35	85	6	5	-	-	9+	9+	5700
4	Ross-on-Wye	1024.0	-12	SSW	2	cz	40	75	6	5	7	-	9	10	2500
5	Portland Bill	1024.7	-12	SE	3	c	43	75	6	4	-	-	10	10	2500
	Plymouth	1023.6	-16	-	0	c	47	95	6	5	2	-	9	10	800
	Falmouth	1024.5	-6	SW	5	o	48	85	8	5	-	-	10	10	4000
	Scilly (St. Mary's)	1023.1	-24	WSW	5	c	50	85	7	8	-	9	4.6	7.8	4000
	Guernsey	1025.3	-10	S	1	d	44	75	6	6	-	-	10	10	1500
6	Pembroke	1020.9	-12	SW	3	id	47	95	6	8	-	-	10	10	1500
7	Holyhead	1019.9	-28	SSE	5	c	43	85	6	5	3	-	Tr.	9+	1500
	Chester (Sealand)	1022.6	-26	SE	4	cm	40	85	6	5	-	-	9	9	7200
8	L'pool (Bidston)	1022.2	-14	E'S	4	cm	38	85	4	5	7	-	4.6	7.8	1500
9	Harrogate	1024.7	-6	SE	2	f	33	95	2	5	-	-	10	10	4150
10	Spurn Head	1026.0	-2	S'W	2	c	36	75	7	4	-	8	7.8	10	4000
	Tynemouth	1023.4	-12	S	2	cm	36	95	4	5	-	-	10	10	1500
11	Inchkeith	1021.6	-20	WNW	2	bcm	40	95	4	-	8	-	0	4.6	-
	Leuchars	1020.5	-20	SE	2	c	37	85	6	5	3	-	7.8	9+	4000
12	Renfrew	1020.3	-12	S'E	4	bcm	41	85	5	4	4	9	2.3	4.6	5700
	Eskdalemuir	1021.5	-22	S'W	2	o	34	85	6	5	-	-	10	10	800
13A	Tiree	1013.7	-28	S'E	7	c	43	85	7	5	3	8	Tr.	9+	1500
13B	Stornoway	1011.2	-20	S	6	c	45	85	7	3	2	-	7.8	10	4000
15	Dalwhinnie	{1018.7	-16	SSE	5	c	33	95	7	5	-	-	7.8	7.8	1500
	Aberdeen	1020.3	-14	SSE	4	ir	39	85	6	6	2	-	9+	10	1500
	Wick	1016.8	-12	S	5	bc	42	95	7	5	3	8	2.3	4.6	2500
16	Lerwick	1017.0	-10	S'W	5	c	43	75	7	5	2	-	4.6	10	1500
17	Blacksod Point	1009.4	-36	S	6	cjp	47	85	8	9	-	-	9+	9+	*
18	Malin Head	1013.7	-36	S	5	c	43	85	8	5	9	9	4.6	9+	1500
	Aldergrove	1017.3	-34	SSE	4	c	43	85	7	8	7	-	2.3	9	2500
	Donaghadee	1017.9	-28	SSW	3	c	44	85	7	5	7	-	4.6	7.8	1500
19	Birr Castle	1015.5	-28	S	3	c	46	85	8	6	-	7	2.3	10	2500
20	Valentia Obsy.	1014.1	-38	S'E	5	c/r	49	95	7	5	-	-	10	10	800
	Roches Point	1016.4	-26	SW	3	id	47	95	6	5	-	-	10	10	800

OBSERVATIONS at 18h. 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)	1024.2	-10	SE'E	2	bm	33	75	4	-	-	8	0	1	-	1	*
	Croydon	1024.3	-10	SE	2	bm	33	85	4	-	3	-	0	1	-	1	*
	S. Farnborough	1023.5	-14	SE	2	cm	34	85	5	-	3	-	0	10	-	1	*
	Winchester	1023.2	-14	SSE	3	o	36	85	7	5	-	-	10	10	4000	1	*
	Boscombe Down	1023.1	-14	SSE	3	ir	35	95	6	6	-	-	10	10	1500	1	*
	Calshot, S'thmtn	1023.0	-20	SE'E	4	id	40	85	6	5	-	-	10	10	2500	0	1
	Dungeness	*	*	NNE	2	bc	*	*	7	5	-	*	4.6	4.6	2500	*	0
	Lympne	1024.5	-6	NE'N	2	bc	30	65	6	-	3	1	0	2.3	-	1	*
2	Shoeburyness	1024.6	-14	NE	1	bc	31	75	8	5	3	-	1	2.3	4000	0	*
	Felixstowe	1025.0	-10	NNE	1	bc	33	85	7	5	-	-	4.6	4.6	4000	0	0
	Gorleston	1024.9	-6	-	0	c	34	75	7	8	-	-	7.8	7.8	2500	0	2
	Cranwell	1023.3	-14	SE	3	b	29	95	5	-	4	-	0	Tr.	-	4	*
3	Cardington	1023.6	-16	SSE	3	bc	31	85	6	5	-	-	4.6	4.6	2500	1	*
	Birmingham	1021.3	-16	SSE	3	dd	36	95	5	6	-	-	10	10	1500	1	*
	Upper Heyford	1022.9	-14	SE	3	cm	33	85	5	5	7	-	4.6	10	4000	1	*
	Leafield	1022.2	-12	SE'S	3	dd	34	95	4	6	-	-	10	10	1500	1	*
4	Ross-on-Wye	1020.0	-20	SSE	3	dd	38	95	6	6	-	-	10	10	1500	1	*
5	Portland Bill	1020.8	-20	SE'S	5	dd	43	95	6	5	-	-	10	10	1500	1	4
	Plymouth	1020.2	-20	SW	4	c	47	85	7	6	2	-	2.3	10	1500	1	2
	Falmouth	1019.6	-12	SW'S	5	id	47	85	7	5	2	-	7.8	10	4000	1	2
	Scilly (St. Mary's)	1017.9	-20	WSW	5	c	48	85	7	5	-	-	9+	9+	4000	0	3
	Guernsey	1022.0	-20	S	1	o/d	44	95	5	5	-	-	10	10	1500	2	2
6	Pembroke	1016.2	-20	SSW	4	cq	47	95	7	9	2	-	7.8	10	1500	1	2
7	Holyhead	1014.8	-26	SSE	5	id	43	95	6	6	-	-	10	10	450	1	2
	Chester (Sealand)	1018.9	-18	SE	4	om	39	85	5	5	-	-	10	10	4000	0	*
8	L'pool (Bidston)	1017.8	-14	ESE	4	o	38	85	5	5	-	-	10	10	1500	0	*
9	Harrogate	1021.8	-10	SSE	2	o	31	95	5	5	-	-	10	10	2500	7	*
10	Spurn Head	1023.1	+6	S	4	c	36	75	6	6	-	8	7.8	10	2500	0	3
	Tynemouth	1019.7	-20	S	3	o	35	85	6	5	-	-	10	10	800	0	2
11	Inchkeith	1017.5	-12	SSE	2	c	39	85	6	5	2	-	4.6	10	800	0	1
	Leuchars	1017.3	-14	SSE	3	c	37	85	5	5	3	-	4.6	7.8	4000	7	*
12	Renfrew	1015.7	-22	SSE	3	c	39	85	6	5	7	-	9	9+	2500	1	*
	Eskdalemuir	1017.6	-22	S'E	3	o	35	85	5	5	-	-	10	10	450	6	*
13A	Tiree	1008.1	-32	SSE	7	c	44	85	7	6	2	-	4.6	10	800	6	4
13B	Stornoway	1006.1	-28	S	7	c	45	75	6	4	-	-	10	10	4000	1	5
15	Dalwhinnie	1012.2	-28	S	8	cq	33	95	5	5	-	-	9	9	450	3	*
	Aberdeen	1017.3	-20	SSE	5	c	39	75	6	6	2	-	9+	10	1500	1	3
	Wick	1012.6	-24	S	6	bc	40	85	7	8	7	-	4.6	4.6	1500	0	4
16	Lerwick	1014.7	-10	S	6	c	42	75	7	5	2	-	4.2	10	1500	0	*
17	Blacksod Point	1001.7	-54	S	9	iR	51	75	7	9	-	-	10	10	*	1	9
18	Malin Head	1006.4	-38	SSE	6	c	44	95	7	5	1	-	7.8	10	1500	0	4
	Aldergrove	1011.8	-30	SE'E	3	id	43	95	7	5	2	-	7.8	10	1500	1	*
	Donaghadee	1012.5	-26	W'S	5	ir	45	95	7	6	-	-	9	9	800	1	3
19	Birr Castle	1009.0	-28	S	2	o	48	85	7	6	-	-	10	10	2500	1	*
20	Valentia Obsy.	1005.7	-44	S'E	6	rr	50	95	6	5	-	-	10	10	800	1	4
	Roches Point	1011.3	-32	SW	5	o	48	95	7	5	-	-	10	10	1500	1	4

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. 5th (37)	13h.–18h. 5th (38)	18h. 5th to 1h. 6th (39)	1h.–7h. 6th (40)
1	London (Kew)	cm	c3b3	oz	cm
	Croydon	cbcmxoff	cff m bm	bmcm	cz m
	S. Farnborough	oFFxcf	cbccm	com	os m
	Winchester	cm x cm	cm o m	oo r r	oo66
	Boscombe Down	cm	cm d r	oirm	orrm
	Calshot, S'thmtn	bccm	cm	crr	crorrm
	Dungeness	bc	bc	*	c
	Lympne	bc bm	b3	bccm	cm bc
2	Shoeburyness	cm bcm	bc	bcx	bcx
	Felixstowe	cm bc	bc	bcb	b c
	Gorleston	c	cx	oxm m c	cq
	Cranwell	omc fm	cm bm	bxcs	cs s
3	Cardington	ofxcm	cbcm	b cs x	c
	Birmingham	oc	cod	od res	oc
	Upper Heyford	ofexcm	cbccm	cos m	com
	Leafield	c	cod	os s	or
4	Ross-on-Wye	comcm	omd	od d	oir oix
5	Portland Bill	cz	cddz	orrc	oirc
	Plymouth	cofddm	cm r	crm	corrm
	Falmouth	od cd	cid q	cid orm q	oRm d q
	Scilly (St. Mary's)	c	c	crr	orrc
	Guernsey	cod	odrrd	oirc	oirrr
6	Pembroke	cd p	cirq	cirrrq	rrm q
7	Holyhead	cm	id m	id m	ir m
	Chester (Sealand)	cfmz	cm	of m	om
8	L'pool (Bidston)	cmm	cmomm	oom	o
9	Harrogate	off	foco	oss	o
10	Spurn Head	bc	bc	cbcc	cs
	Tynemouth	off	oc	oco	ois o
11	Inchkeith	cmm	cm m	o	orr
	Leuchars	cocm	cbccm	cm	corm
12	Renfrew	cm bcz	bccm	cm	cors
	Eskdalemuir	ofom	oco	ors	oors
13A	Tiree	cir bcc	c	crrR	RPc
13B	Stornoway	cpdr	c	crrd d	ddcbc
15	Dalwhinnie	qc	coqm	cqo	cpsom
	Aberdeen	ocir c	cir c c	cz c	or rr
	Wick	cbc	bc	c	cirorr
16	Lerwick	cq	o	orrc	cors
17	Blacksod Point	cjp	ir	prqc	prc
18	Malin Head	c	c	ors c	cbcpr
	Aldergrove	omc	cid	cd orr	orrm
	Donaghadee	c	cir q	cqir	ors
19	Birr Castle	c	coir	orr	orc
20	Valentia Obsy.	coidr	cs orr	rrodc	ccprcq
	Roches Point	coid	oido	orrodc	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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

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.

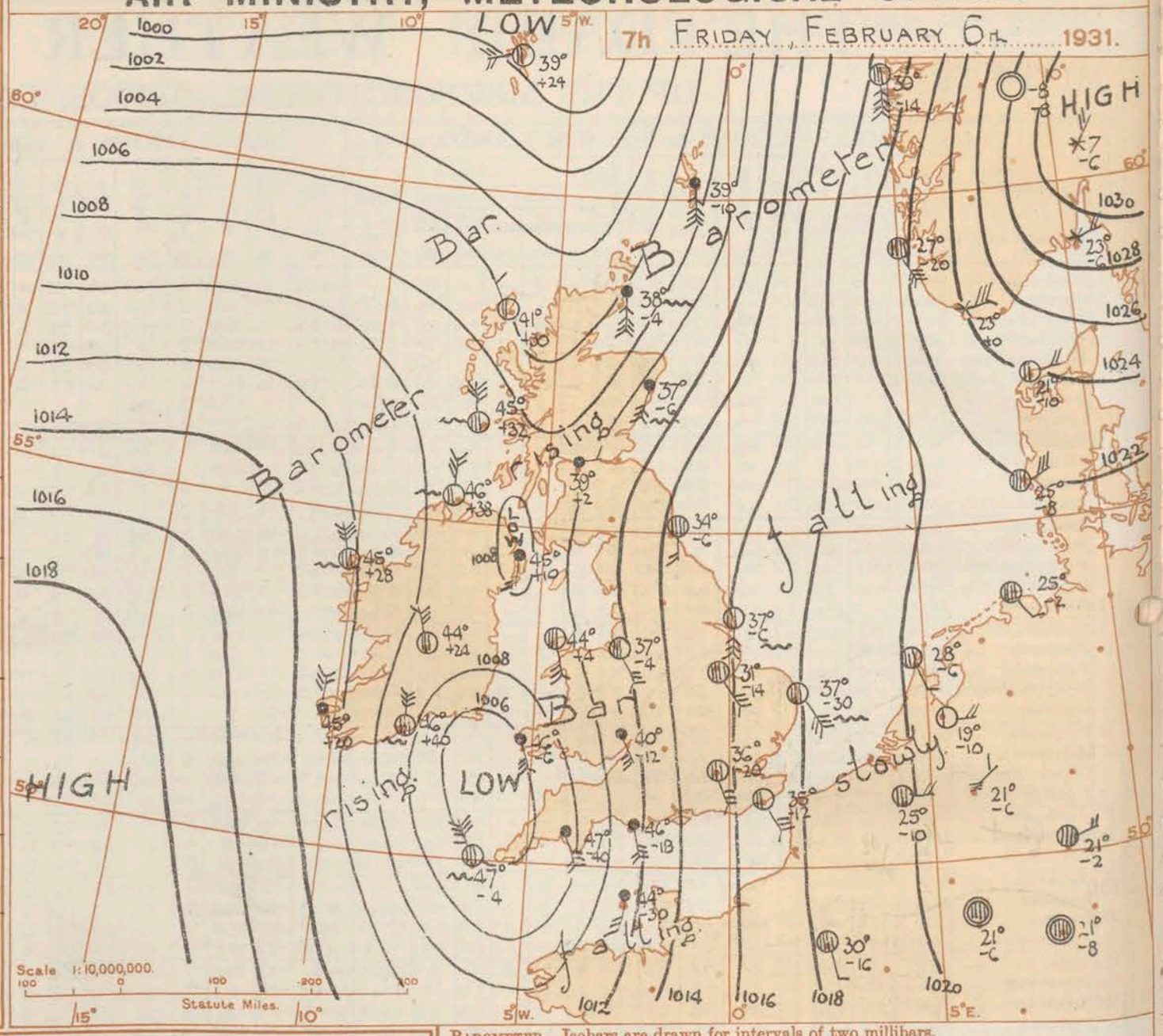
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 5th February 1931.

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	o	28	35	Trace	-	0·4
	Bournemouth	o	or	30	42	-	1	0·0
	Ventnor ...	xcoz	oz	32	41	-	-	0·2
	Southsea ...	cfc	co	30	39	-	-	0·1
	Bognor Regis	c	cbc	29	38	-	-	0·1
	Littlehampton	bc	bc	27	38	-	-	0·7
	Worthing ...	o	oc	28	39	-	-	0·5
	Brighton ...	cbc	bc	29	38	Trace	-	0·3
	Eastbourne†	cbcc	co	29	39	Trace	-	2·9
	Hastings† ...	bbc	bco	30	39	-	-	4·9
	Folkestone ...	xb	bbcc	30	39	-	-	5·2
	Dover... ...	mbbc	bccm	32	39	-	-	5·4
	Deal	b	bbcc	30	38	1	-	4·6
	Ramsgate ...	bc	bcm	33	39	0·2	-	4·7
	Margate ...	bc	bc	33	38	-	-	4·9
2	Southend ...	cmbc	bc	31	39	-	-	2·2
	Maldon ...	cbcb	bcc	32	38	-	-	1·9
	Clacton-on-Sea	cbc	bc	31	38	-	-	2·7
	Dovercourt ...	xoc	bc	31	39	-	-	4·1
	Lowestoft ...	oc	cbc	30	35	1	-	0·0
	Skegness ...	om.	om.	31	35	Trace	Trace	0·0
	Mablethorpe	xom.	om.	31	36	Trace	-	0·0
	Cleethorpes...	fo	mo	30	36	Trace	-	0·0
3	Leamington S.	op	c	31	39	0·3	-	0·0
4	Cheltenham†	bcco	(illegible)	31	40	-	Trace	0·0
5	Bath	bc	cdd	32	39	-	1	0·0
	Weymouth ...	co	d.dr	33	43	-	1	0·0
	Jersey ...	cr	cd	37	43	-	2	0·1
	Torquay ...	ofold	ro.oz.	35	46	-	0·4	0·0
	Penzance ...	c	c	39	51	2	-	0·6
	St. Ives ...	c	p	36	51	1	Trace	1·0
	Bude	od	o	36	49	0·1	0·2	0·0
	Ilfracombe ...	od	dd	37	47	0·4	1	0·0
6	Aberystwyth	cz.	cz.	36	45	-	-	0·0
7	Llandudno ...	c	c	35	44	-	-	0·0
	Colwyn Bay...	oc	co	34	44	-	-	0·2
	Rhyl	c	c	34	44	-	-	0·0
8	Wallasey ...	cf	cbcc	34	41	-	-	0·0
	Southport‖ ...	bm	omco	33	41	-	-	0·2
	Blackpool ...	oc	bcc	34	41	-	-	0·5
	Morecambe ...	ocbcc	cbcb	34	42	-	-	0·3
9	Ilkley... ...	foc	of	31	35	-	-	0·0
10	Berwick-on-T.	o	o	32	38	1	-	0·0
11	Dunbar ...	bc	bcm.	33	39	-	-	2·2
12	Douglas ...	xcm.	om.d.	34	42	-	Trace	0·0

† 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 the wind. Number of feathers indicate Beaufort force. Calm, -⊙
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. ▲ Hail. ≡ Fog. ≡ Mist. ⊤ Thunder. ⊤ Thunderstorm.
Sea Disturbance. ~ Rough. ≈ High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 6th Feb. 1931.

Districts.	Forecasts
1. S.E. England 2. E. England... 3. E. Midlands	Wind southeasterly, moderate or fresh, strong at times locally: cloudy or dull; some rain, perhaps slight snow locally: rather cold.
4. W. Midlands 5. S.W. England ↓ 6. South Wales 7. North Wales	Wind becoming northerly, moderate to strong, backing again later: cloudy, some rain: then fairer, with some showers: moderate temperature.
8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind southeast or south or variable, mainly light or moderate; cloudy or dull; some rain or snow; perhaps fog locally at night; rather cold.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland.	Wind north or northwest, moderate to strong, backing; variable cloud amount: showers: probably deteriorating later; moderate temperature.
14. Mid-Scotland 15. N.E. Scotland ↓ 16. Orkneys and Shetlands. ↓	Wind southerly, strong, veering northwest and moderating then backing; some rain or snow at first, then fairer; rather cold, then somewhat milder.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 12-13.

GENERAL INFERENCE.

A trough of low pressure with a separate centre over the Bristol Channel is moving eastwards across the British Isles. In eastern districts weather will be rather cold with some rain or perhaps sleet or snow locally. In western districts conditions will be milder and at first fairer but will probably deteriorate.

FURTHER OUTLOOK.

Mainly fair at first in most districts; then unsettled weather spreading eastwards.

Times of Issue of Gale Warnings.

↓ South Cone at 1405 on 5th in 15,16 and at 1712 on 5th in 5.

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 Pa.2499/2189. m. 26. D.6026. Gp.308. 20280. 2/31.

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

Friday, 6th February 1931.

No. 25278

OBSERVATIONS at 1 hr. G.M.T. 6th 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	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1019.2	-26	SE'S	4	is.	35	75	6	5	-	-	10	10	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1017.5	-30	SE	5	r.r.	40	95	7	6	2	-	4-6	9+	2500
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1019.9	-26	SE	2	z	32	85	6	5	7	-	4-6	9+	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1020.5	-16	-	0	c	31	95	7	8	-	-	9	9	2500
	Cranwell	240	1018.5	-22	SE'S	4	is.	31	85	6	5	2	-	7-8	10	1500
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1015.0	-26	S'W	5	c|p	46	95	7	4	-	-	10	10	1500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1012.4	-34	S'W	6	rr	47	95	6	6	-	-	10	10	2500
	Scilly (St. Mary's)	163	1009.0	-48	SW	7	rr	48	95	6	6	-	-	10	10	2500
	Guernsey	175	1017.0	-30	SW	4	c|r.	45	75	6	5	-	-	10	10	1500
6	Pembroke	142	1008.6	-30	SSW	4	rr	46	95	6	9	2	-	9	10	800
7	Holyhead	26	1010.1	-16	SSE	5	id.	46	95	6	6	-	-	10	10	800
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1018.5	-8	S	5	c	35	75	7	-	7	9	0	7-8	-
	Tynemouth	87	1015.9	-14	S	3	o	34	85	6	5	-	-	10	10	800
11	Inchkeith	190	1012.1	-22	ESE	3	o	36	95	7	5	-	-	10	10	1500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1001.5	-14	S	6	d.d.	45	85	6	3	-	-	10	10	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1007.5	-18	S	8	c	39	85	7	8	2	-	7-8	10	1500
16	Lerwick	54	1010.2	-20	S	9	c	40	75	7	5	2	-	4-6	10	1500
17	Blacksod Point	18	1008.0	+40	WSW	6	c	46	85	7	3	-	-	9+	9+	220
18	Malin Head	52	1002.6	-12	S	6	c	47	95	7	5	9	-	4-6	7-8	1500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1007.8	+50	WNW	6	q	47	95	7	4	-	-	10	10	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 6th 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)	1015.1	-10	SSE	3	c	37	75	6	5	1	-	7-8	9+	2500	1	*
	Croydon	1015.0	-20	SE	4	z	36	75	6	5	7	-	7-8	9+	1500	1	*
	S. Farnborough	1014.1	-14	SE	3	is.	36	95	6	5	-	-	10	10	800	4	*
	Winchester	1012.8	-14	SE	4	r.r.	39	95	7	6	-	-	10	10	800	1	*
	Boscombe Down	1012.5	-16	SSE	3	rr	39	95	5	6	-	-	10	10	800	1	*
	Calshot, (S'thmtn)	1012.9	-22	ESE	5	r.r.	42	95	6	6	-	-	10	10	800	1	3
	Dungeness	*	*	SE	4	c	*	6*	7	5	7	*	4-6	9	2500	*	3
	Lympne	1016.5	-12	SE	4	bc	35	85	7	5	7	-	2-3	4-6	4000	1	*
2	Shoeburyness	1017.0	-8	SE	4	c	35	75	8	4	6	-	4-6	7-8	5700	4	*
	Felixstowe	1017.5	-12	SSE	3	c	37	75	7	5	-	-	7-8	7-8	2500	4	2
	Gorleston	1017.4	-30	SE'S	6	c	37	85	7	8	-	-	9+	9+	2500	0	4
	Cranwell	1015.1	-14	SE'E	4	c	31	95	6	6	-	-	10	10	1500	8	*
3	Cardington	1015.1	-16	SE'S	4	c	35	75	7	5	-	-	10	10	4000	6	*
	Birmingham	1012.9	-10	SE	3	c	34	95	7	5	-	-	10	10	2500	1	*
	Upper Heyford	1013.8	-10	SE'E	3	z	35	85	6	5	-	-	10	10	800	1	*
	Leafield	1012.6	-14	SE	4	rr	34	95	6	6	-	-	10	10	1500	1	*
4	Ross-on-Wye	1011.0	-12	SE	3	id.	40	95	6	6	-	-	10	10	1500	1	*
5	Portland Bill	1010.2	-18	S'E	5	ir	46	95	7	4	-	-	10	10	1500	1	3
	Plymouth	1006.4	-40	SE	5	rr	47	95	6	6	-	-	10	10	800	2	3
	Falmouth	1006.0	-4	WSW	3	d.d.	47	95	6	6	-	-	10	10	2500	2	1
	Scilly (St. Mary's)	1007.1	-4	NWN	7	c	47	95	7	5	-	-	9+	9+	4000	1	4
	Guernsey	1011.5	-30	S	3	rr	44	95	7	6	-	-	10	10	1500	2	3
6	Pembroke	1004.9	-6	SE	4	rr	46	95	6	6	2	-	7-8	10	800	2	3
7	Holyhead	1008.6	+4	SSE	4	c|r	44	85	7	5	-	-	9+	9+	800	1	1
	Chester (Sealand)	1011.3	-4	SE	4	z	37	95	5	5	-	-	10	10	450	1	*
8	L'pool (Bidston)	1010.6	-2	E	4	m	36	95	4	5	-	-	10	10	1500	0	*
9	Harrogate	1014.6	0	SE	1	o	30	95	5	5	-	-	10	10	2500	8	*
10	Spurn Head	1015.2	-6	S	6	c	37	75	7	-	2	-	0	9+	-	0	4
	Tynemouth	1014.5	-6	S	2	o	34	95	7	6	-	-	10	10	1500	0	2
11	Inchkeith	1009.7	-8	SSE	2	rr	38	95	6	6	-	-	10	10	800	1	0
	Leuchars	1010.6	-6	SE	2	rr	36	95	6	6	-	-	10	10	800	3	*
12	Renfrew	1009.3	+2	E	1	r.r.	39	95	7	6	-	-	10	10	1500	1	*
	Eskdalemuir	1011.2	-2	S'W	2	rs	34	95	5	6	-	-	10	10	450	6	*
13A	Tiree	1008.2	+32	NNW	5	c	45	75	8	5	7	8	Tr	7-8	2500	1	4
13B	Stornoway	1006.2	+30	NW	1	bc	41	85	7	4	1	8	Tr	4-6	4000	1	2
15	Dalwhinnie	1007.9	+2	SW	4	ps	34	95	5	5	-	-	10	10	450	3	*
	Aberdeen	1010.3	-6	SSW	5	rr	37	95	6	6	-	-	10	10	1500	1	4
	Wick	1005.9	-4	S	8	rr	38	95	7	6	-	-	10	10	1500	1	4
16	Lerwick	1006.8	-10	S	8	r.r.	39	85	7	6	-	-	10	10	1500	2	*
17	Blacksod Point	1012.3	+28	NNW	6	c	45	65	7	3	-	-	7-8	7-8	220	0	4
18	Malin Head	1009.5	+38	N	5	bc|p	46	75	8	3	6	-	4-6	4-6	2500	0	4
	Aldergrove	1008.5	+12	NW'N	4	r.r.	43	95	5	6	-	-	10	10	450	1	*
	Donaghadee	1007.7	+10	S	2	r.r.	45	95	7	5	-	-	10	10	800	1	1
19	Birr Castle	1005.7	+24	NNW	4	c	44	85	8	6	2	-	2-3	10	2500	1	*
20	Valentia Obsy.†	1013.3	+20	N	6	p.r.	45	75	8	8	3	-	7-8	7-8	1500	1	-
	Roches Point	1008.5	+40	N	6	c	46	85	8	3	-	-	7-8	7-8	1500	1	6

PAST 24 HOURS.

Stations	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 5th Hrs. (36)
London (Kew)	37	32	26	-	-	0.1
Croydon	36	31	26	-	Tr	0.0
S. Farnborough	37	33	32	-	Tr	0.2
Winchester	38	35	34	-	0.5	0.0
Boscombe Down	39	35	35	1	2	
Calshot, (S'thmtn)	40	39	37	Tr.	2	0.0
Dungeness	40	38	*	-	-	*
Lympne	37	26	18	-	-	7.2
Shoeburyness	40	26	20	-	-	5.9
Felixstowe	39	29	18	Tr.	-	4.1
Gorleston	36	(31)	28	-	-	0.0
Cranwell	34	28	25	Tr	1	0.0
Cardington	36	30	28	Tr.	Tr	0.6
Birmingham	38	32	32	Tr.	1	0.1
Upper Heyford	37	31	31	0.1	0.3	
Leafield	37	31	31	0.1	1	0.3
Ross-on-Wye	40	38	37	0.1	0.2	0.0
Portland Bill	44	42	*	0.1	3	*
Plymouth	48	45	44	2	10	0.0
Falmouth	50	47	*	Tr.	8	1.4
Scilly (St. Mary's)	51	47	*	-	4	1.5
Guernsey	44	43	40	2	3	0.0
Pembroke	48	45	*	2	7	0.0
Holyhead	44	43	42	Tr.	1	0.0
Chester (Sealand)	41	37	36	-	Tr	0.3
L'pool (Bidston)	40	35	35	-	-	0.3
Harrogate	33	29	28	-	1	0.0
Spurn Head	36	34	*	-	Tr	0.0
Tynemouth	37	33	29	-	0.1	*
Inchkeith	43	36	35	-	1	1.7
Leuchars	40	34	34	-	1	0.5
Renfrew	43	38	36	-	2	1.4
Eskdalemuir	35	33	31	-	0.6	0.0
Tiree	45	44	39	0.2	12	0.4
Stornoway	46	40	*	1	3	0.0
Dalwhinnie	36	31	*	-	2	0.2
Aberdeen	40	37	34	0.1	2	0.0
Wick	42	37	*	-	3	*
Lerwick	43	38	*	-	3	0.0
Blacksod Point	52	44	*	6	2	*
Malin Head	44	43	*	-	4	0.1
Aldergrove	44	43	41	Tr.	7	0.3
Donaghadee	45	44	*	0.1	5	*
Birr Castle	48	43	41	Tr.	5	1.1
Valentia Obsy.†	50	44	42	5	3	0.0
Roches Point	48	35	*	2	8	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations.

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon (24 hrs. ended 9h.)	Weather Night (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	cm	czbz	oz.cm.	37	32	26	-	-	0.1	*	*	5
Croydon	217	cbcmkcff	cffm.bm	bmcm.	36	31	26	-	Tr	0.0	*	*	6
Greenwich (Royal Observatory)	149	cf	cfbcra	bmxcos.	35	31	17	-	Tr	0.0	79	74	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Park)	27	*	*	*						0.0			*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square	110	f	fc	*	36	33	25	-	-	*	At 18h. 68	79	*
Kensington Palace	80	ofbxis.	of	*	36	34	25	-	-	*		72	*
Hampstead Observatory	450	ofs	ofofs	*	38	30	27	0.1	0.1	0.0	*	73	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.
1.2	4h. 5th	<0.3	1-6h 6th

Kew Observatory Max.	Time.	Min.	Time.
0.8	2h. 5th	<0.1	3h. 6th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 5th February Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 6th 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	1025.4	WSW	3	z	34	1018.5	SSE	1	c|ps	30	37	30	Tr	Tr
Brussels	1023.9	NW	1	o	30	1019.6	E	2	c|pr	25	34	23	0.4	
Berlin	1023.1	NE	3	is.	21	1022.0	-	0	o|s	21	23	19	0.2	1
Zurich						1020.6	SE	1	m	18		16		-
Rome	1012.6	E	1	bc.	48	1008.2	ESE		id	4	55	39	-	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	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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 7th February 1931.

No. 25,279

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)	Weather 7h.–13h. 6th (37)	Weather 13h.–18h. 6th (38)	Weather 18h. 6th to 1h. 7th (39)	Weather 1h.–7h. 7th (40)
		OBSERVATIONS at 13h. G.M.T. 6th February														OBSERVATIONS at 18h. G.M.T. 6th February																PAST 24 HOURS.			
1	London (Kew)...	1013.7	-8	ESE	3	o	38	85	6	5	-	-	10	10	1500	1014.1	+8	E'S	2	o	38	85	5	5	-	-	10	10	1500	1	•	ozoroosozo	ozo	ozoomror	omror
	Croydon ...	1014.1	-10	ESE	3	o/r	38	85	6	5	2	-	7-8	10	1500	1013.9	+4	E'S	2	om	37	85	4	5	-	-	10	10	1500	1	•	czsosrmo	cmom	comrsors	orsoro
	S. Farnborough	1013.0	-6	SE	3	o	38	95	5	5	-	-	10	10	800	1012.8	+4	ESE	2	om	38	95	5	5	-	-	10	10	450	1	•	ozrorom	omo	omoido	oidorrom
	Winchester ...	1012.2	0	SE	4	o	40	95	6	5	-	-	10	10	450	1012.8	+12	E'S	3	of	39	95	3	5	-	-	10	10	220	1	•	orrodod om	omdo mfe	ofefe rr	orrofefe
	Boscombe Down	1012.1	+2	SE'E	4	o/d	40	95	5	5	-	-	10	10	220	1012.4	+10	ESE	3	dodo	39	95	4	5	-	-	10	10	220	1	•	grrdodom	omdddodo	odooid	ororoidff
	Calshot, S'thmtn	1011.8	-10	E'S	5	o	43	95	6	5	-	-	10	10	800	1012.0	+8	ENE	4	o	42	95	6	5	-	-	10	10	800	1	2	ororomo	omdd om	ororomo	omorom
	Dungeness ...	*	*	SSE	5	czo	*	*	6	8	-	*	10	10	2500	*	*	SE	4	omo	*	*	6	5	-	*	10	10	2500	*	2	o	o	*	r
	Lympne ...	1014.6	-10	SE'E	4	c	37	75	6	5	3	-	4-6	9	1500	1014.3	+10	ESE	3	omo	35	85	6	5	-	-	10	10	800	1	•	bcczo	omo	como	codoshddm
2	Shoeburyness	1015.5	-6	SE	4	c	40	55	8	5	-	-	7-8	7-8	7200	1014.7	+4	SE'S	3	o	35	85	6	5	-	-	10	10	2500	0	•	cbc	c	cbc	crsorso
	Felixstowe ...	1016.3	-6	ESE	4	c	36	85	7	5	-	-	9+	9+	2500	1015.6	0	E'S	4	o	35	85	8	5	-	-	10	10	4000	1	3	c	c	c	omorso
	Gorleston ...	1017.1	-4	SSE	4	c	34	85	6	4	-	-	10	10	2500	1015.9	0	SE'E	4	c	33	85	7	-	3	-	0	10	-	0	3	cq	cq	cbccq	cososoxq
	Cranwell ...	1014.2	-6	SE	4	c	34	85	6	5	2	-	9	10	4000	1014.1	+2	SE	3	Iso	33	95	5	5	-	-	10	10	2500	1	•	cmo	cipsmo	cssomssf	ossfso
3	Cardington ...	1013.7	-12	SE'S	4	c	38	65	7	5	1	7	9	10	4000	1014.1	+6	SE'E	2	bc	35	75	8	-	7	-	0	4-6	-	1	•	c	cmobc	cjsoo	ossdm
	Birmingham ...	1012.8	0	SSW	3	omo	35	95	5	6	-	-	10	10	1500	1013.3	+2	SSE	2	ido	35	95	5	6	-	-	10	10	1500	1	•	odo	oido	odoror	orrc
	Upper Heyford	1013.3	-6	SE	3	o/r	36	95	5	5	-	-	10	10	800	1013.3	+6	E	2	om	36	95	4	5	-	-	10	10	800	1	•	crsoro	om	ororom	orrff
	Leafield ...	1012.2	-4	SE	5	o	35	95	4	5	-	-	10	10	800	1013.2	+8	ESE	3	o	36	95	5	5	-	-	10	10	800	1	•	oido o	io	oidoror	orr
4	Ross-on-Wye ...	1011.3	0	ESE	2	omo	41	95	5	5	-	-	10	10	800	1012.1	+10	ESE	1	om	39	95	4	5	-	-	10	10	450	1	•	oid	omo	oradmr	rocbbcc
5	Portland Bill...	1009.5	+6	SSE	5	c	46	85	7	4	-	-	10	10	1500	1010.3	+12	ESE	5	iro	45	85	7	4	-	-	10	10	1500	1	4	crc	ciro	oiroo	ororom
	Plymouth ...	1006.5	+2	SSE	4	o	48	95	7	5	-	-	10	10	800	1009.1	+26	E'S	1	ido	46	95	6	6	-	-	10	10	450	1	2	orrmoido	comoido	oidom	cprbc
	Falmouth ...	1007.1	+4	NW'N	3	ido	48	95	6	5	2	-	4-6	9	4000	1009.0	+12	N'E	5	o	47	95	7	5	-	-	10	10	4000	1	2	odomoc	cdomoq	cqo	oirbc
	Scilly (St. Mary's)	1008.1	+4	N'W	7	c	47	95	6	5	-	-	9+	9+	4000	1009.8	+22	N	7	c	47	95	6	8	-	-	9	9	4000	1	4	cir	ciroc	c	cbc
	Guernsey ...	1009.0	-8	SSE	5	ido	45	95	6	6	-	-	10	10	1500	1009.3	+16	SSE	4	rr	41	95	6	6	-	-	10	10	1500	2	4	oiRd	oidrr	orido	oidc
6	Pembroke ...	1008.4	+16	E	3	c	46	95	6	9	2	-	9	10	800	1010.4	+20	E	1	dodo	45	95	5	9	2	-	9	10	800	1	2	odoc	cmodo	crorbc	bcb
7	Holyhead ...	1010.2	+6	S'W	2	roro	45	95	5	6	-	-	10	10	1500	1011.5	+6	NNW	4	c	45	85	7	5	-	-	(9+)	9+	1500	1	2	roro	DDroro	cbc	bcbw
	Chester (Sealand)	1012.1	+6	SE	2	roro	38	95	4	6	-	-	10	10	450	1012.1	+2	SE	3	roro	38	95	4	6	-	-	10	10	800	1	•	oirom	roro m	ororomoc	bcc
8	L'pool (Bidston)	1011.4	+6	E'S	4	rm	37	95	4	5	-	-	10	10	1500	1011.3	0	SE'E	4	roro	38	95	4	5	-	-	10	10	1500	1	•	omrmr	omrmr	ororco	cbcbw
9	Harrogate ...	1014.2	0	SSE	1	o/s	32	95	4	5	-	-	10	10	<150	1013.5	0	SE	1	ss	31	95	4	5	-	-	10	10	<150	7	•	oisom	omuss	ommss	srm
10	Spurn Head ...	1014.1	-2	S'E	6	cs	35	95	6	3	2	-	4-6	10	4000	1014.0	0	S'E	5	sso	34	95	6	6	-	-	10	10	2500	1	5	crso	ciso	oss	osso
	Tynemouth ...	1013.8	-6	S	2	iso	35	95	6	6	-	-	10	10	1500	1012.9	-4	SSW	2	Sso	33	95	5	6	-	-	10	10	1500	7	2	oiso	ossm	osoSo	obc
11	Inchkeith ...	1011.1	+10	E	2	roro	37	95	5	5	-	-	10	10	800	1011.6	+2	WSW	1	mo	37	95	5	5	2	-	7-8	10	800	0	0	orr	ororomm	cmmmom	cmm
	Leuchars ...	1011.3	+6	-	0	df	35	95	3	6	-	-	10	10	450	1011.6	+6	SW	2	c	34	95	5	5	3	-	2-3	7-8	7200	3	•	orrddf	ororocm	cbxmo	bbccxmo
12	Renfrew ...	1010.8	+10	NE	2	o/d	39	95	3	5	-	-	10	10	800	1012.6	+10	-	0	c	35	95	6	5	1	-	4-6	9	2500	1	•	orcroroodof	ofcmo	cm	bccpro
	Eskdalemuir ...	1011.3	0	SW	1	ss	33	95	4	6	-	-	10	10	450	1012.0	+4	-	0	f	33	95	3	5	-	-	10	10	450	7	•	orsossm	osoff	off	off
13A	Tiree ...	1011.7	+8	NNW	3	c	45	65	8	8	4	8	1	9+	2500	1012.2	+6	NSW	1	c	41	85	7	5	7	-	7-8	10	800	0	2	c	c	cPR	PR
13B	Stornoway ...	1010.4	+8	WNW	2	bc	46	65	8	4	1	-	2-3	4-6	4000	1009.9	-2	-	0	bc	39	85	8	4	1	-	2-3	2-3	4000	1	!	bc	cbc	bccir	cps
15	Dalwhinnie ...	1011.5	+4	S	1	bc	34	95	8	5	-	-	4-6	4-6	2500	1012.1	+4	SSE	1	c	32	95	8	-	1	-	0	7-8	*	3		psoc	bcc	cbc	bcprs
	Aberdeen ...	1010.5	-4	SSW	3	roro	36	95	5	6	2	-	4-6	10	2500	1011.0	+4	NW	2	bc	35	95	5	5	-	8	Tr.	4-6	4000	1	2	prrsrsrr	cbcmo	bc	bc
	Wick ...	1008.8	+12	NW	2	bc	44	(85)	8	7	4R	2	2-3	4-6	2500	1011.0	+4	W	2	c	37	85	8	8	1	-	4-6	7-8	1500	1	3	lorrcpc	bcc	bcc	c
16	Lerwick ...	1007.2	0	S	3	c	41	95	7	5	2	-	4-6	9	1500	1006.1	+8	-	0	bc	38	85	6	8	-	-	4-6	4-6	1500	1	*	orr	cbmo	bcmoc	cbc
17	Blacksod Point	1015.2	+14	NNW	4	c	46	65	8	4	-	-	7-8	7-8	220	1015.4	+6	W	4	c	44	85	8	3	-	-	7-8	7-8	*	1	4	c	bc	prqc	prqc
18	Malin Head ...	1012.5	+10	N	3	bc/pr	45	85	8	8	8	3	4-6	4-6	2500	1012.9	+4	W	2	c	42	95	8	8	1	-	7-8	9+	2500	0	2	bcpor	bcc	cpobc	bccro
	Aldergrove ...	1011.8	+12	NW'N	4	c	47	75	8	8	3	8	2-3	7-8	4000	1012.2	0	N'W	2	c	39	85	7	-	-	8	0	9	-	1	•	cqcbc	bcc	cbcbx	bxbcc
	Donaghadee ...	1010.8	+12	N'E	3	bc	46	75	7	5	2	-	4-6	4-6	1500	1011.9	+8	N	5	cq	44	75	7	5	3	-	4-6	7-8	1500	0	3	qcbc	bccq	bc	bcc
19	Birr Castle ...	1013.6	+8	N	3	c	46	65	8	8	-	8	2-3	9	2500	1015.0	+14	N	1	c	40	85	8	-	7	9	0	10	-	1	•	c	c	cbc	bcx
20	Valentia Obsy.	1015.6	+2	NNW	5	c	47	75	8	5	1	8	4-6	9	2500	1017.6	+14	NW'N	3	bc	45	85	8	5	-	-	2-3	2-3	4000	1	2	cpoc	cbc	bcpso	bccpsc
	Roches Point...	1012.4	+14	N	4	c	46	75	8	3	-	-	7-8	7-8	1500	1014.8	+14	N	4	c	45	75	8	3	-	-	7-8	7-8	1500	0	3	c	c	cbcw	bccw

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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

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 $\frac{1}{20}$ of the sky. "9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical 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.

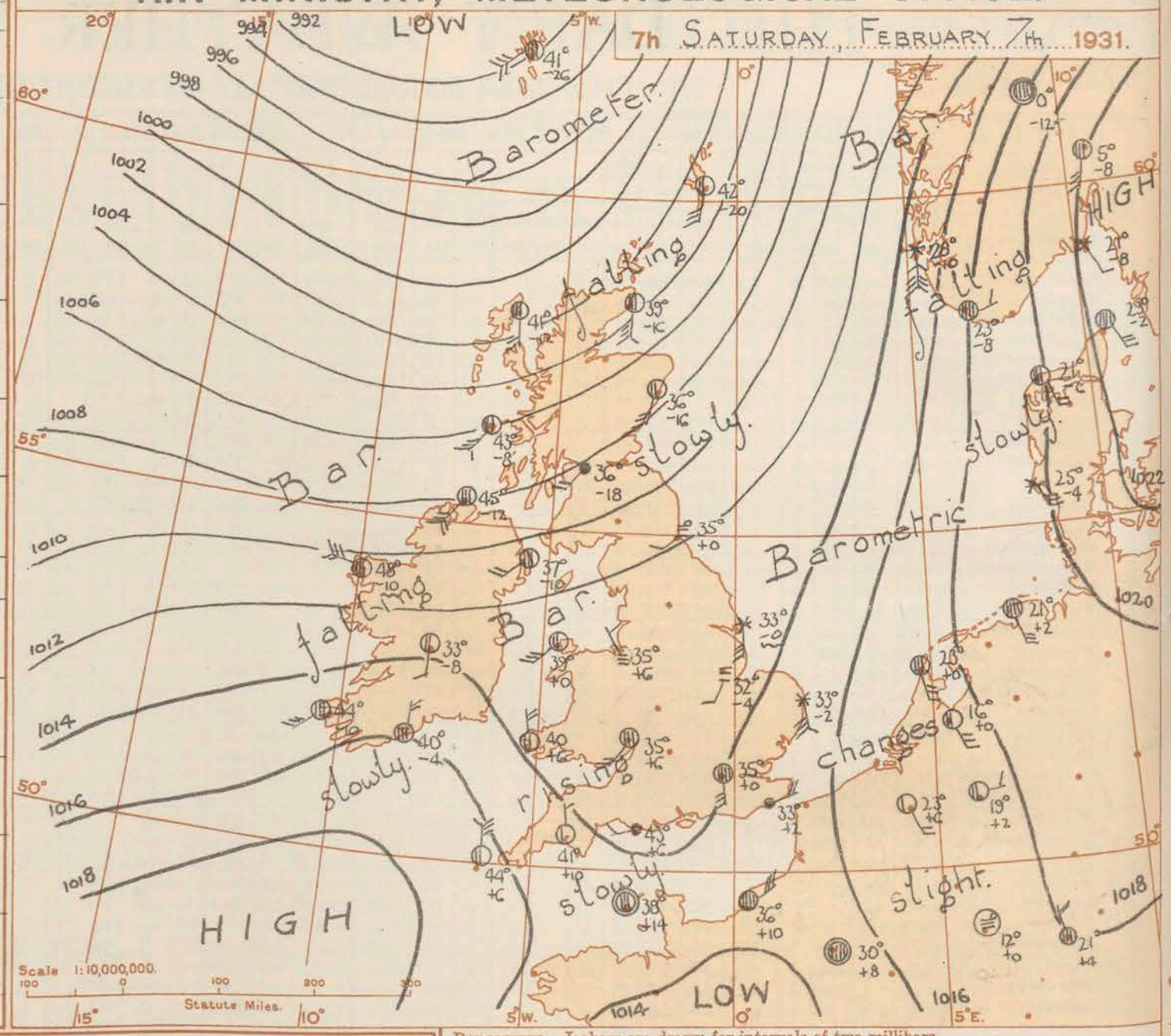
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 6th February 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	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	28	37	-	-	0.0
	Bournemouth	o	oorf	32	44	5	1	0.0
	Ventnor ...	ropo	ou	39	44	6	0.3	0.0
	Southsea ...	o	o	31	43	2	-	0.0
	Bognor Regis	rro	o	30	42	2	1	0.0
	Littlehampton	crc	co	29	42	2	1	0.0
	Worthing ...	oro	o	31	42	1	1	0.0
	Brighton ...	doc	oc	32	40	1	0.1	0.0
	Eastbourne†	ro o	o	36	40	0.2	0.2	0.0
	Hastings† ...	o	o	32	39	-	-	0.0
	Folkestone ...	xbec	com	30	39	-	-	3.7
	Dover... ...	bcbbc	beco	32	38	-	-	3.9
	Deal	b	bcc	32	38	-	-	5.7
	Ramsgate ...	b	bbc	34	38	-	-	6.2
	Margate ...	bc	bc	32	38	-	-	6.3
2	Southend ...	cbc	bcc	32	38	-	-	1.2
	Maldon ...	bcc	c	28	38	-	-	0.9
	Clacton-on-Sea	bc	bcc	32	39	-	-	4.6
	Dovercourt ...	bccbc	oc	29	37	-	-	2.1
	Lowestoft ...	coc	cbcc	31	34	-	-	1.0
	Skegness ...	om	om	32	36	Tr.	-	0.0
	Mablethorpe	os	os	31	36	-	{Tr.}	0.0
	Cleethorpes...	so	so	30	35	0.3	0.2	0.0
3	Leamington S.	o	o	33	37	1	-	0.0
4	Cheltenham†	omdo	odom	35	38	1	Tr.	0.0
5	Bath	cro	cdo	34	42	2	0.3	0.0
	Weymouth ...	c	cdc	39	46	3	Tr.	0.0
	Jersey ...	dr	dr	40	47	3	2	0.0
	Torquay ...	orq	oirpq	39	47	5	1	0.0
	Penzance ...	ordoir	cd	48	50	10	1	0.1
	St. Ives ...	d	d	46	48	14	0.3	0.0
	Bude	cmd	omd	41	50	5	0.3	0.6
	Ilfracombe ...	cbc	cod	42	51	9	0.1	1.3
6	Aberystwyth	cmrc	ccr	40	45	1	1	0.3
7	Llandudno ...	or	r	37	44	4	9	0.0
	Colwyn Bay...	rorr	rr	37	44	1	5	0.0
	Rhyl	orr	orr	35	41	2	6	0.0
8	Wallasey ...	door	orr	35	39	Tr.	4	0.0
	Southport‖ ...	or	rr	36	38	1	5	0.0
	Blackpool ...	oor	or	35	38	1	3	0.0
	Morecambe ...	ocdoc	rror	37	{39}	-	3	0.0
9	Ilkley... ...	mos	ossf	31	33	1	6	0.0
10	Berwick-on-T.	oss	sso	32	34	-	3	0.0
11	Dunbar ...	orm	odrm	33	38	4	10	0.0
12	Douglas ...	orrf	cb	40	42	13	8	0.0

† M. . 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 the wind. Number of feathers indicate Beaufort force. Calm. = ⊙
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. ▲ 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. 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Wind southerly or variable, light or moderate; some drizzle, sleet or snow at first, probably improving somewhat; some mist or fog; rather cold.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind northerly or variable backing later to southwest and becoming strong locally at times; mainly fair at first, deteriorating; moderate temperature today, probably milder tomorrow.
9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind variable, light or moderate, freshening from southwest later; cloudy; perhaps sleet or drizzle at first and further rain tomorrow; local mist or fog: becoming somewhat milder.
12. S.W. Scotland & Isle of Man	As 14 - 16.
13. A. W. Scotld. B. N.W. Scotland.	Wind west or southwest, moderate, backing and increasing later; cloudy; showers or occasional rain at first, probably more general rain tonight and tomorrow; probably milder tomorrow.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Wind between south and west, light to fresh; cloudy; perhaps showers, deteriorating later; becoming somewhat milder later.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind between southwest or south and increasing to strong; cloudy; perhaps showers at first, more general rain later; becoming milder.

GENERAL INFERENCE

Barometric pressure is comparatively uniform over our southern districts. A depression near the Faroes will move eastwards and another depression advancing from Mid-Atlantic will affect our western districts later. Some drizzle, sleet or snow is probable in East and Southeast England at first while showers or occasional rain may be expected in Scotland. A renewal of generally unsettled weather is probable in our western districts later.

FURTHER OUTLOOK:

Unsettled weather in most districts.

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. Pc. 2499/2193. m. 26. D.6026. 4p. 508. 25280. 2/31.

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, 7th February 1931.

No. 25.279

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	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1013·9	-2	ESE	3	rs_0	34	95	5	6	-	-	10	10	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1012·9	+6	E'N	4	o/r	40	95	6	5	-	-	10	10	800
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1014·2	-2	E	2	z	34	95	6	5	-	-	10	10	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1015·1	-4	SE'S	3	c	33	85	7	4	-	-	9+	9+	2500
	Cranwell ...	240	1013·3	-4	SE'S	4	ss	31	95	3	5	-	-	10	10	800
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	1012·4	+8	E	1	o	44	85	7	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1013·7	+10	N	2	c	45	85	7	5	2	-	7·8	10	4000
	Scilly (St. Mary's)	163	1014·3	+20	N'E	6	c	46	85	8	5	-	-	9+	9+	4000
	Guernsey ...	175	1011·9	+10	SE	1	o	40	95	6	5	-	-	10	10	2500
6	Pembroke ...	142	1013·7	+10	N	3	bc	41	85	8	8	7	-	2·3	4·6	2500
7	Holyhead ...	26	1012·9	+8	NNW	5	bc	44	85	7	4	-	-	2·3	2·3	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1012·9	-2	S	5	ss	32	95	5	6	-	-	10	10	800
	Tynemouth ...	67	1011·4	-4	S	2	o	34	95	7 6	6	-	-	10	10	1500
11	Inchkeith ...	150	1011·7	0	W	2	z	36	95	5	5	-	-	9+	9+	800
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1005·2	-26	S	3	r	41	95	6	6	2	-	4·6	10	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1007·7	-8	SW	2	c	38	85	8	5	2	-	4·6	7·8	1500
16	Lerwick ...	54	1006·7	-10	-	0	c	38	95	7	5	2	-	4·6	9	1500
17	Blacksod Point	18	1013·2	-8	WNW	4	bc	45	85	7	3	-	-	4·6	4·6	1500
18	Malin Head ...	52	1010·8	-10	S	3	bc	42	95	7	4	6	-	1	2·3	4000
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1016·5	0	W	3	PR	45	95	7	3	-	-	9+	9+	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
London (Kew)	1013·9	-4	-	0	f_0f_0	35	95	4	6	-	-	10	10	1500
Croydon	1014·0	0	SSE	3	o/f_0	35	95	4	6	-	-	10	10	450
S. Farnborough	1013·3	0	SSE	1	m	36	95	4	5	-	-	10	10	450
Winchester	1013·6	0	SW	1	f	37	95	3	5	-	-	10	10	<150
Boscombe Down	1013·9	+2	W	1	f	38	95	3	5	-	-	10	10	220
Calshot, (S'thmtn)	1013·5	+4	ESE	2	d	39	95	6	5	-	-	10	10	800
Dungeness	*	*	SE	2	f_0f_0	*	*	6	8	-	*	10	10	2500
Lympne	1014·4	+2	E	2	d_0d_0	33	95	4	6	-	-	10	10	450
Shoeburyness	1014·5	0	SSE	3	rs_0	34	95	6	6	-	-	10	10	800
Felixstowe	1014·9	-2	SSE	3	rs_0	35	95	5	6	-	-	10	10	800
Gorleston	1014·9	-2	S'E	4	s_0s_0	33	95	5	6	-	-	10	10	800
Cranwell	1012·5	-4	SSW	1	f	32	95	3	5	-	-	10	10	800
Cardington	1013·5	-6	SW'S	2	o/d	34	95	4	5	-	-	10	10	450
Birmingham	1013·5	+2	NW	2	c	38	95	5	5	-	-	9+	9+	2500
Upper Heyford	1013·8	0	SW	2	f	36	95	3	5	-	-	10	10	450
Leafield	1013·3	0	W'N	3	c	36	95	7	5	-	-	9+	9+	4000
Ross-on-Wye	1013·8	+6	SW'S	2	c	35	95	6	5	-	-	9	9	4000
Portland Bill	1013·5	+6	W	1	f_0f_0	43	95	4	5	-	-	10	10	1500
Plymouth	1015·2	+10	NW	1	b	41	95	8	8	-	1	1	1	4000
Falmouth	1015·8	+10	N'W	3	bc	42	75	7	3	-	-	4·6	4·6	4000
Scilly (St. Mary's)	1016·3	+6	N	4	bc	44	75	8	2	4	5	2·3	4·6	4000
Guernsey	1014·4	+14	-	0	c	38	95	7	5	-	-	7·8	7·8	2500
Pembroke	1013·9	+6	NNW	2	bc	40	95	8	1	4	-	Tr	2·3	4000
Holyhead	1013·2	0	SW	3	bc	39	95	6	5	-	6	Tr	4·6	1500
Chester (Sealand)	1013·3	+6	NW	1	f	35	95	2	5	-	-	4·6	4·6	4000
L'pool (Bidston)	1012·8	+4	N'W	1	bc	38	95	5	5	-	-	2·3	2·3	1500
Harrogate	1013·1	0	SSW	1	m	33	95	4	5	-	-	10	10	<150
Spurn Head	1012·1	0	SSW	3	is_0	33	95	6	6	-	-	10	10	1500
Tynemouth	1011·3	0	WSW	1	m	35	95	4	5	-	-	10	10	1500
Inchkeith	1009·5	-10	WSW	2	m	33	95	4	4	8	-	2·3	4·6	2500
Leuchars	1009·3	-6	SW	3	c	31	95	6	5	3	-	4·6	9	4000
Renfrew	1009·0	-17	SW	2	pr	36	95	7	5	7	-	4·6	9	2500
Eskdalemuir	1011·9	0	S	2	F	29	95	1	5	-	-	10	10	<150
Tiree	1005·1	-18	SW'S	4	c/r	43	95	7	5	7	8	Tr	9+	2500
Stornoway	1000·9	-12	S	2	c	41	85	7	3	7	-	7·8	9	4000
Dalwhinnie	1006·5	-16	WSW	5	c	34	95	8	5	4	-	4·6	7·8	4000
Aberdeen	1006·8	-16	SSW	3	bc	36	85	8	5	3	-	4·6	4·6	4000
Wick	1003·3	-16	S	4	c	39	85	8	8	6	9	4·6	7·8	2500
Lerwick	1002·1	-20	S	3	bc	42	85	7	8	-	-	4·6	4·6	1500
Blacksod Point	1010·2	-10	W	5	c	48	75	7	3	-	-	9+	9+	220
Malin Head	1007·1	-12	SW	5	c/r	45	95	7	8	7	-	4·6	9	1500
Aldergrove	1011·3	-8	S	3	c	37	95	7	5	-	8	2·3	7·8	4000
Donaghadee	1010·3	-10	WSW	2	c	37	55	7	5	-	-	9	9	800
Birr Castle	1013·9	-8	S	1	bc	33	95	8	-	3	2	0	4·6	-
Valentia Obsy.†	1015·2	-10	SW	3	c	44	95	8	5	-	-	7·8	7·8	450
Roches Point	1015·8	-4	N	2	c	40	95	8	5	-	-	7·8	7·8	2500

PAST 24 HOURS.

Stations	State of Ground 0-9 (29)	Sea 0-9 (30)	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 6th Hrs. (36)
London (Kew)	1	*	39	34	33	0·1	2	0·0
Croydon	1	*	38	34	33	0·2	2	0·0
S. Farnborough	1	*	38	35	35	0·2	2	0·0
Winchester	1	*	40	36	36	0·2	2	0·0
Boscombe Down	1	*	40	37	37	1	3	
Calshot, (S'thmtn)	1	1	43	38	38	1	3	0·0
Dungeness	*	1	39	33	*	–	0·3	*
Lympne	6	*	38	32	31	–	0·1	2·6
Shoeburyness	1	*	40	32	28	–	0·4	1·8
Felixstowe	1	1	38	34	32	–	0·1	0·8
Gorleston	6	3	37	31	30	–	Tr	0·0
Cranwell	7	*	35	30	30	Tr.	5	0·0
Cardington	6	*	38	33	32	–	2	0·0
Birmingham	1	*	36	35	34	0·4	4	0·0
Upper Heyford	1	*	37	34	33	1	4	
Leafield	1	*	36	34	33	0·1	3	0·0
Ross-on-Wye	1	*	41	35	26	Tr.	3	0·0
Portland Bill	2	3	47	41	*	0·1	1	
Plymouth	1	1	48	41	37	1	0·4	0·0
Falmouth	1	2	49	42	*	2	0·2	0·6
Scilly (St. Mary's)	1	3	47	43	*	0·6	-	0·0
Guernsey	1	2	45	37	29	4	2	0·0
Pembroke	1	1	46	39	*	1	2	0·0
Holyhead	1	0	45	39	31	5	-	0·0
Chester (Sealand)	1	*	39	35	28	3	1	0·0
L'pool (Bidston)	0	*	38	37	31	4	0·6	0·0
Harrogate	7	*	33	31	30	2	5	0·0
Spurn Head	7	4	37	31	*	0·1	1	0·0
Tynemouth	1	2	36	33	30	3	1	*
Inchkeith	0	1	38	32	31	9	Tr	0·0
Leuchars	8	*	37	28	24	3	-	0·0
Renfrew	4	*	46	26	20	3	0·2	0·0
Eskdalemuir	7	*	34	27	29	6	0·1	0·0
Tiree	1	2	45	38	31	–	5	4·1
Stornoway	1	2	47	38	*	–	0·3	4·2
Dalwhinnie	3	*	37	26	*	2	0·1	0·6
Aberdeen	4	2	39	32	28	13	-	0·0
Wick	0	3	44	34	*	3	-	*
Lerwick	0	*	44	37	*	6	Tr 0·9	
Blacksod Point	1	4	51	40	*	0·4	1	*
Malin Head	1	2	46	40	*	0·1	0·3	2·1
Aldergrove	1	*	41	31	25	0·1	Tr	2·5
Donaghadee	0	1	47	34	*	4	-	*
Birr Castle	4	*	46	31	25	–	-	0·8
Valentia Obsy.†	1	-	48	39	35	Tr.	0·3	1·5
Roches Point	1	2	47	36	*	–	Tr	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	$oz, f_0 s_0, oz_0$	oz_0	$oz_0\, om\, f_0 r$	39	34	33	0·1	2	0·0	*	*	3
Croydon	217	$cz_0 s_0 s_0 f_0 m_0$	$cm_0 m$	$cm\, rs_0 f_0$	38	34	33	0·2	2	0·0	*	*	4
Greenwich (Royal Observatory)	149	o	o	osrsf	38	33	30	–	3	0·0	81	99	3
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Park)	27	*	*	*	39	34	32		2	0·0	76	97	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	0·0	*	*	*
Camden Square	110	oc	c	*	36	36	32	–	3	*	*	94	*
Kensington Palace	80	bxo	o	*	38	33	32	–	3	*	At 18h. 81	93	*
Hampstead Observatory	450	om	oms	*	36	29	29	0·1	3	0·0	*	89	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington: Max.	Time.	Min.	Time.
1·0	12h 6th	0·3	2·5h 7th

Kew Observatory: Max.	Time.	Min.	Time.
0·4	21h 6th	0·1	3h 7th

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.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris						1015·1	-	0	b	30		30		0·2
Brussels						1016·6	ESE	2	b	23		21		-
Berlin	1020·4	NE	2	s	23	1013·8	ENE	2	is_0	19	25	18	Tr	Tr
Zürich	1017·2	E	1	c	23	1014·8	SE	1	o	18	32	14	-	-
Rome	1006·3	N	2	bc	37	1007·9	NE	3	b	28		25	4	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.

The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.

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

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

COLUMNS 34, 35.

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

COLUMNS 8, 22.—Code for surface visibility.

Objects not visible at

0 Dense fog 55 yards.
1 Thick fog 220 „
2 Fog 550 „
3 Moderate fog 1,100 „
4 Mist or haze 1½ miles.
5 Poor visibility 2½ „
6 Moderate „ 6¼ „
7 Good „ 12½ „
8 Very good „ 31 „
9 Excellent „ beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 8th February 1931.

No. 25.280

OBSERVATIONS at 13h. G.M.T. 7th 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)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	1014.4	-2	-	0	m	41	95	4	2	-	-	9+	9+	1500
	Croydon	1014.5	0	WNW	1	m	40	85	4	5	-	-	10	10	800
	S. Farnborough	1014.3	+2	NW	1	c	[41 struck] 36	85	6	7	-	-	7-8	7-8	2500
	Winchester	1014.8	+2	NNW	3	c	43	75	7	8	-	1	4-6	9	2500
	Boscombe Down	1014.8	-2	NW	3	c	44	65	7	4	-	8	7-8	9	2500
	Calshot, S'thmtn	1014.4	-2	NNW	3	bc	45	75	6	5	-	-	4-6	4-6	1500
	Dungeness	*	*	S	3	d₀d₀	*	*	5	6	-	-	10	10	1500
	Lympne	1014.9	+2	SSE	2	dF	36	95	1	6	-	-	10	10	<150
2	Shoeburyness	1014.6	0	S	2	o	37	95	5	5	-	-	10	10	800
	Felixstowe	1015.1	0	SE	3	o/r	36	95	5	5	-	-	10	10	450
	Gorleston	1014.6	-4	S	4	o	35	95	6	5	-	-	10	10	1500
	Cranwell	1013.6	0	WSW	1	bf	37	95	3	-	-	-	0	0	-
3	Cardington	1014.3	-2	WNW	2	c	40	85	5	5	-	-	9	9	1500
	Birmingham	1014.1	+4	WNW	2	bc	42	75	6	7	-	-	4-6	4-6	2500
	Upper Heyford	1015.1	+6	NW	2	z	40	85	5	5	-	-	10	10	1500
	Leafield	1014.6	+6	NW	3	bc	41	75	8	1	-	8	4-6	4-6	5700
4	Ross-on-Wye	1014.3	+4	WNW	3	c	45	65	8	1	-	6	2-3	7-8	4000
5	Portland Bill	1014.9	+2	NNW	3	bc	46	75	7	4	4	-	4-6	4-6	2500
	Plymouth	1015.9	-2	NNW	2	c	45	85	8	7	-	6	4-6	7-8	2500
	Falmouth	1016.8	+6	NW	2	bc	46	65	8	1	-	-	4-6	4-6	4000
	Scilly (St. Mary's)	1016.4	-6	WNW	2	c	51	65	8	7	-	2	2-3	7-8	4000
	Guernsey	1015.9	+4	WSW	1	o/r	45	85	5	5	-	-	10	10	1500
6	Pembroke	1014.7	-4	WSW	3	c	46	85	8	2	7	-	4-6	9	2500
7	Holyhead	1013.0	-4	SW	4	c	45	85	7	5	1	8	7-8	9+	5700
	Chester (Sealand)	1013.3	-8	SSW	2	c	47	75	7	5	-	7	1	9	2500
8	L'pool (Bidston)	1012.8	-16	SW'W	3	c	44	75	8	5	-	7	tr	[4-6 struck] 10	4000
9	Harrogate	1012.3	0	SSW	1	c	40	75	6	-	-	8	0	7-8	-
10	Spurn Head	1013.3	0	SW	1	f	34	95	3	5	-	-	10	10	220
	Tynemouth	1010.1	-12	SSW	2	of	39	85	3	5	-	-	10	10	800
11	Inchkeith	1006.7	-8	WSW	4	ir₀	43	85	8	5	2	-	4-6	9+	4000
	Leuchars	1006.1	-12	SW	4	c	38	85	7	5	1	-	7-8	9+	1500
12	Renfrew	1007.9	+2	WSW	2	ir₀	44	95	7	9	2	8	9	9+	800
	Eskdalemuir	1009.3	-16 [6]	SW	3	d	36	95	6	0	-	-	10	10	<150
13A	Tiree	1005.0	0	WSW	4	cjp	46	75	8	8	7	2	2-3	7-8	1500
13B	Stornoway	1001.5	+6	WNW	3	c	42	85	8	3	6	-	4-6	7-8	4000
15	Dalwhinnie	1004.7	-2	WSW	2	bc	38	95	8	-	7	-	0	4-6	-
	Aberdeen	1004.1	-10	SW	3	c	40	85	7	5	7	-	2-3	9+	4000
	Wick	1000.9	-6	WSW	3	c	41	95	8	8	6	9	4-6	7-8	1500
16	Lerwick	998.2	-26	S	4	c	44	95	7	6	2	-	4-6	9+	1500
17	Blacksod Point	1008.9	-4	W	4	ir	48	85	7	6	-	-	10	10	<150
18	Malin Head	1006.7	0	SW	4	c	47	95	7	2	-	[9]	[1]	7-8	[2500]
	Aldergrove	1009.8	-8	SSW	4	c/r	43	95	7	5	-	-	9+	9+	800
	Donaghadee	1009.6	-6	W	2	c	45	85	7	5	-	-	9	9	800
19	Birr Castle	1012.7	-6	SW	2	c	46	85	8	5	-	-	9+	9+	2500
20	Valentia Obsy.	1012.7	-22	SW'S	3	c	49	75	8	5	-	-	9+	9+	2500
	Roches Point	1014.3	-10	W	3	c	47	85	8	3	-	-	7-8	7-8	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	1015.5	+8	SW	1	f	38	95	2	5	-	-	10	10	<150	1	*
Croydon	1015.4	+6	SE	2	f	36	95	2	5	-	-	10	10	<150	1	*
S. Farnborough	1015.4	+6	-	0	bcf	35	95	3	-	-	8	0	2-3	-	1	*
Winchester	1015.7	+6	-	0	bc	38	85	7	5	-	5	4-6	4-6	2500	1	*
Boscombe Down	1015.3	+6	S	1	bc	39	85	6	-	-	8	0	2-3	-	1	*
Calshot, S'thmtn	1015.2	+6	NW	1	c	38	85	6	5	2	-	4-6	7-8	1500	1	0
Dungeness	*	*	SE	5	z	*	*	6	5	2	*	7-8	10	1500	*	3
Lympne	1015.5	+10	SE'E	3	m	37	95	4	5	-	-	10	10	220	1	*
Shoeburyness	1015.7	+12	S	1	of	35	95	3	5	-	-	10	10	800	1	*
Felixstowe	1015.8	+6	-	0	m	37	95	4	5	-	-	10	10	450	1	1
Gorleston	1015.1	+8	SSW	2	o	37	85	5	5	-	-	10	10	1500	1	2
Cranwell	1014.0	+6	SW	2	f	34	95	3	-	1	8	0	2-3	-	6	*
Cardington	1014.9	+6	SW'W	1	bc	35	95	5	-	3	-	0	2-3	-	1	*
Birmingham	1014.2	+2	SW	1	z	40	85	5	5	-	-	[2-3 x]	[2-3 x]	2500	1	*
Upper Heyford	1015.1	+8	-	0	bc	37	85	7	-	1	8	0	2-3	-	1	*
Leafield	1014.9	0	W	2	b	37	85	7	-	7	8	0	1	-	1	*
Ross-on-Wye	1014.7	0	S	1	c	39	75	6	-	1	6	0	9	-	1	*
Portland Bill	1015.1	+8	N'W	2	c	44	75	7	4	7	-	4-6	7-8	2500	1	2
Plymouth	1015.5	-2	SW	1	c	44	85	7	5	3	8	2-3	9	2500	1	0
Falmouth	1015.9	-4	SW	1	c	44	75	8	5	-	-	10	10	4000	0	0
Scilly (St. Mary's)	1015.7	-12	SW'W	3	c	45	75	8	1	7	8	2-3	7-8	4000	0	2
Guernsey	1016.1	+10	-	0	bc	41	85	5	5	-	-	4-6	4-6	1500	1	1
Pembroke	1013.4	-6	SW	4	c	46	95	8	8	7	-	2-3	9	2500	1	2
Holyhead	1012.1	0	SW'S	4	c	45	95	6	5	-	8	4-6	10	5700	1	1
Chester (Sealand)	1013.0	+2	SSW	2	c	43	75	7	5	-	6	1	9	4000	1	*
L'pool (Bidston)	1012.4	0	SSW	3	o	42	85	8	5	-	-	10	10	4000	0	*
Harrogate	1012.3	0	SE	1	m	39	85	4	5	-	-	10	10	<150	3	*
Spurn Head	1013.3	0	S	3	F	32	95	1	5	-	-	10	10	<150	3	3
Tynemouth	1009.7	-2	WSW	2	bc	41	85	6	5	-	-	4-6	4-6	1500	1	2
Inchkeith	1007.0	+4	WSW	3	c	42	95	7	8	9	-	2-3	7-8	1500	0	2
Leuchars	1007.0	+8	SW	2	bc	37	85	7	4	3	8	1	4-6	4000	3	*
Renfrew	1007.6	+4	SW	2	ir	41	95	7	9	-	-	9+	9+	1500	1	*
Eskdalemuir	1009.2	+6	WSW	4	id₀	39	95	6	5	-	-	10	10	<150	3	*
Tiree	1004.7	0	SSW	2	cid₀	43	95	8	5	7	-	7-8	10	1500	1	2
Stornoway	1002.1	+4	-	0	c	39	95	7	8	2	-	4-6	10	4000	1	1
Dalwhinnie	1004.9	+4	S	1	c	35	85	8	5	1	-	4-6	7-8	2500	3	*
Aberdeen	1005.1	+8	SW	2	bc	37	85	6	5	-	9	1	4-6	4000	1	2
Wick	1002.2	+12	WSW	3	c	36	95	8	8	1	-	4-6	7-8	1500	1	3
Lerwick	998.0	+12	W'S	2	bc	39	85	7	8	-	-	4-6	4-6	1500	1	*
Blacksod Point	1005.5	-14	S	5	c	47	85	7	9	-	-	9+	9+	<150	0	4
Malin Head	1005.3	-2	S	3	c	46	95	7	5	3	8	4-6	9+	1500	0	2
Aldergrove	1008.5	-2	SW	3	c	44	95	7	5	2	8	4-6	10	2500	1	*
Donaghadee	1008.3	-4	W	2	c	45	85	7	5	-	-	9+	9+	800	0	1
Birr Castle	1010.1	-6	S	2	o	44	85	8	5	-	-	10	10	2500	1	*
Valentia Obsy.	1008.4	-20	SE	4	c/pr	48	95	8	5	2	-	7-8	10	2500	1	3
Roches Point	1011.7	-14	SW	3	c	47	75	8	3	-	-	7-8	7-8	1500	0	3

PAST 24 HOURS. WEATHER.

Stations	7h.–13h. 7th (37)	13h.–18h. 7th (38)	18h. 7th to 1h. 8th (39)	1h.–7h. 8th (40)
London (Kew)	ofcm	cz₀ob	bFx	Fcfx
Croydon	smdd₀d₀	comff	bFFcbfx	bfcmx
S. Farnborough	omcmm₀	cbfw	bwFcf	bcofx
Winchester	ofefecm₀	cbc	bcbcm₀	bcm₀x
Boscombe Down	offcmcbcc	cbcm₀	bcm₀	bccm₀
Calshot, S'thmtn	omddpfcbcm₀	bccm₀	bcm₀bfx	bfx,cm₀
Dungeness	d	o	*	o
Lympne	od₀s₀d₀mF	od₀Fprom	obom₀	om₀
Shoeburyness	d₀om₀	mof	bf	oFof
Felixstowe	ors₀rs₀mr₀	om	omFF	om₀
Gorleston	os₀s₀oq	om₀m₀	omFf	oFfcme
Cranwell	oFcf	bcm	bcf	bcfx
Cardington	omcm₀	bcm₀bm₀	bm₀x	bxoff
Birmingham	bc	bc	bcbx	bbcc
Upper Heyford	offocm₀	cm₀bcw	bcm₀wx	bccm₀x
Leafield	cbc	bcb	bx	bccx
Ross-on-Wye	bcbbc	cbccb	cm₀	c
Portland Bill	oir₀ir₀cbc	bcc	bcc	c
Plymouth	bm₀bc	cbcc	cb	bor₀
Falmouth	bc	bcc	cq	corm₀q
Scilly (St. Mary's)	bcc	cbcc	c	orr
Guernsey	coir₀	ocbc	bcc	c
Pembroke	bcc	c	cbcc	crrq
Holyhead	bcm₀c	c,c	cm₀	c,r₀r₀
Chester (Sealand)	Fmbc	bcc	bc	co
L'pool (Bidston)	c	cbcc	bc	coir
Harrogate	ombc	bcom	oc	oc
Spurn Head	os₀off	oFF	oFfx	oFF
Tynemouth	ocff	obc	bcobc	bco
Inchkeith	bcmmc	c	oir₀c	coir₀
Leuchars	cxm₀r₀	cbc	bcbbc	ccr₀
Renfrew	cir₀m₀	cpr₀cr	crcr₀	ccr₀r
Eskdalemuir	o[F]rsd	oid₀	od₀oForr	oir
Tiree	cprbc	bcc	ciR	cir₀r
Stornoway	c	c	c,orr	idrr
Dalwhinnie	prbc	prsbc	[cprso]	[rsqc]
Aberdeen	bcz₀cir₀	cbc	c	ccir₀
Wick	cr₀rc	cprc	bc	cir₀c
Lerwick	bccrr	cbcphr	bc	bccpr₀
Blacksod Point	ir	phq	prqc	dd
Malin Head	circ	⊕ce	cm₀r₀	cir₀c
Aldergrove	commcir₀	c	c	crrc
Donaghadee	c	c	bcc	coir₀
Birr Castle	bcc	coro	o	orrc
Valentia Obsy.	cp₀c	cp₀	corr	rrodod
Roches Point	c	cp₀c	cir₀	cir₀odd

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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

h(r), "hail" or "rain and hail."

Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus, R, heavy rain. r₀, slight rain. rr, continuous rain.

<, less than (for cloud height).

⊕, solar halo. ⊕, lunar halo.

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.

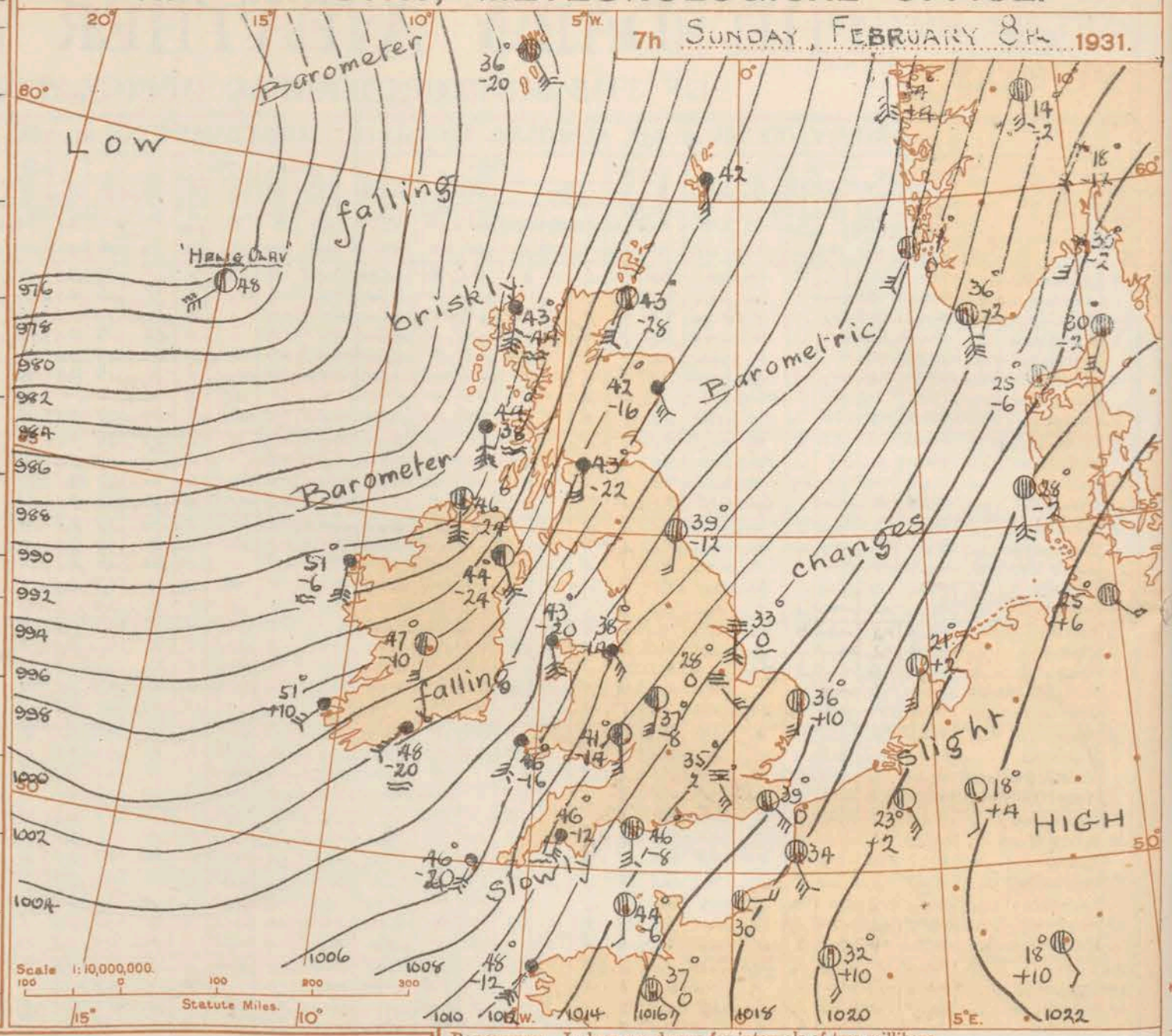
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 7h. February 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 6h. to 9h. 7h.	Temperature. Max. 9h.—17h. 7h.	Rainfall. Night. 17h. 6h. to 9h. 7h.	Rainfall. Day. 9h.—17h. 7h.	Sunshine. Sunrise to Sunset. 7h.
1	Tunbridge W.	odo	o	32	39	2	1	0·0
	Bournemouth	bc	bcc	39	47	5	-	5·9
	Ventnor ...	orcu	cb	40	47	1	Trace	4·0
	Southsea ...	ofgc	b	38	45	2	-	3·0
	Bognor Regis	orc	bcc	39	46	2	0·3	1·9
	Littlehampton	odcbc	bc	36	46	1	0·1	1·7
	Worthing ...	rooc	bcco	37	44	1	1	1·4
	Brighton ...	fedo	bcc	36	43	1	0·4	1·3
	Eastbourne†	dordo	ocm	36	42		1	0·2
	Hastings† ...	ordm	om	35	41	1	1	0·0
	Folkestone ...	odm	odom	30	39	0·4	0·3	0·0
	Dover... ...	odd	dom	35	38	Trace	0·4	0·0
	Deal	od	o	34	38	-	Trace	0·0
	Ramsgate ...	co	doc	34	38	-	0·4	0·0
	Margate ...	csd	c	34	39	Trace	Trace	0·0
2	Southend ...	orfd	ofg	34	38	1	0·4	0·0
	Maldon ...	ffrso	of	32	36	2	1	0·0
	Clacton-on-Sea	ofrb	ogm	34	38	0·3	1	0·0
	Dovercourt ...	roc	doc	32	39	1	0·3	0·0
	Lowestoft ...	otdo	o	31	36	1	0·2	0·0
	Skegness ...	sors	sof	30	35	2	0·4	0·0
	Mablethorpe	ffe	ff	31	35	5	-	0·0
	Cleethorpes ...	of	of	30	34	9	-	0·0
3	Leamington S.	c	c	36	45	4	-	0·9
4	Cheltenham†	cfbc	bcbf	36	45	3	-	6·1
5	Bath	bcb	bbcc	39	46	3	-	3·0
	Weymouth ...	cb	bbcb	40	48	1	-	6·2
	Jersey ...	bc	c	36	46	1	-	0·4
	Torquay ...	dfbbm	bbcam	39	47	0·3	-	6·7
	Penzance ...	c	bc	40	51	1	-	5·6
	St. Ives ...	b	b	43	47	1	-	5·1
	Bude	wbc	bc	33	47	0·3	-	6·2
	Ilfracombe ...	bbc	bc	42	46	2	-	4·1
6	Aberystwyth	ccrbc	bcc	38	45	2	-	3·6
7	Llandudno ...	bbc	bc	37	47	1	-	6·7
	Colwyn Bay...	b	bo	37	51	1	-	5·7
	Rhyl	bbc	bbc	36	48	1	-	5·1
8	Wallasey ...	bc	bcobc	34	47	2	-	5·3
	Southport‖ ...	fcbc	bcco	34	45	1	-	3·4
	Blackpool ...	ocm	co	30	45	3	-	0·9
	Morecambe ...	rcmc	c	37	44	2	-	0·0
9	Ilkley... ...	o	o	31	40	7	-	0·0
10	Berwick-on-T.	c	cbcc	31	42	-	-	0·4
11	Dunbar ...	bc	o	33	45	0·3	(0·3)	1·2
12	Douglas ...	rcbc	cdbc	34	45	-	Trace	0·5

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



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with the wind. Number of feathers indicate Beaufort force. Calm. - ⊙
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. ▲ Hail. ≡ Fog. ≡ Mist. ⊤ Thunder. ⊼ Thunderstorm.
SEA DISTURBANCE. ~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 8th Feb., 1931.

Districts.	Forecasts
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Moderate to fresh southerly winds; cloudy, becoming dull with some rain; milder.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Fresh to strong southerly to southwesterly winds, perhaps gale at times; cloudy; rain; mild.
13. A. W. Scotland B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands. 17. N.W. Ireland	Strong southerly to southwesterly winds, gale at times, veering westerly; cloudy; rain; mild.
18. N.E. Ireland 19. S.E. Ireland	As 5 - 13A.
20. S.W. Ireland	As 13B - 17.

GENERAL INFERENCE.

A deep depression centred south of Iceland is moving east-northeastwards. Winds will be southerly to southwesterly, strong to gale in the West and North. Weather will be mild and unsettled, with some rain in most districts.

FURTHER OUTLOOK.

Unsettled.

Times of issue of Gale Warnings.

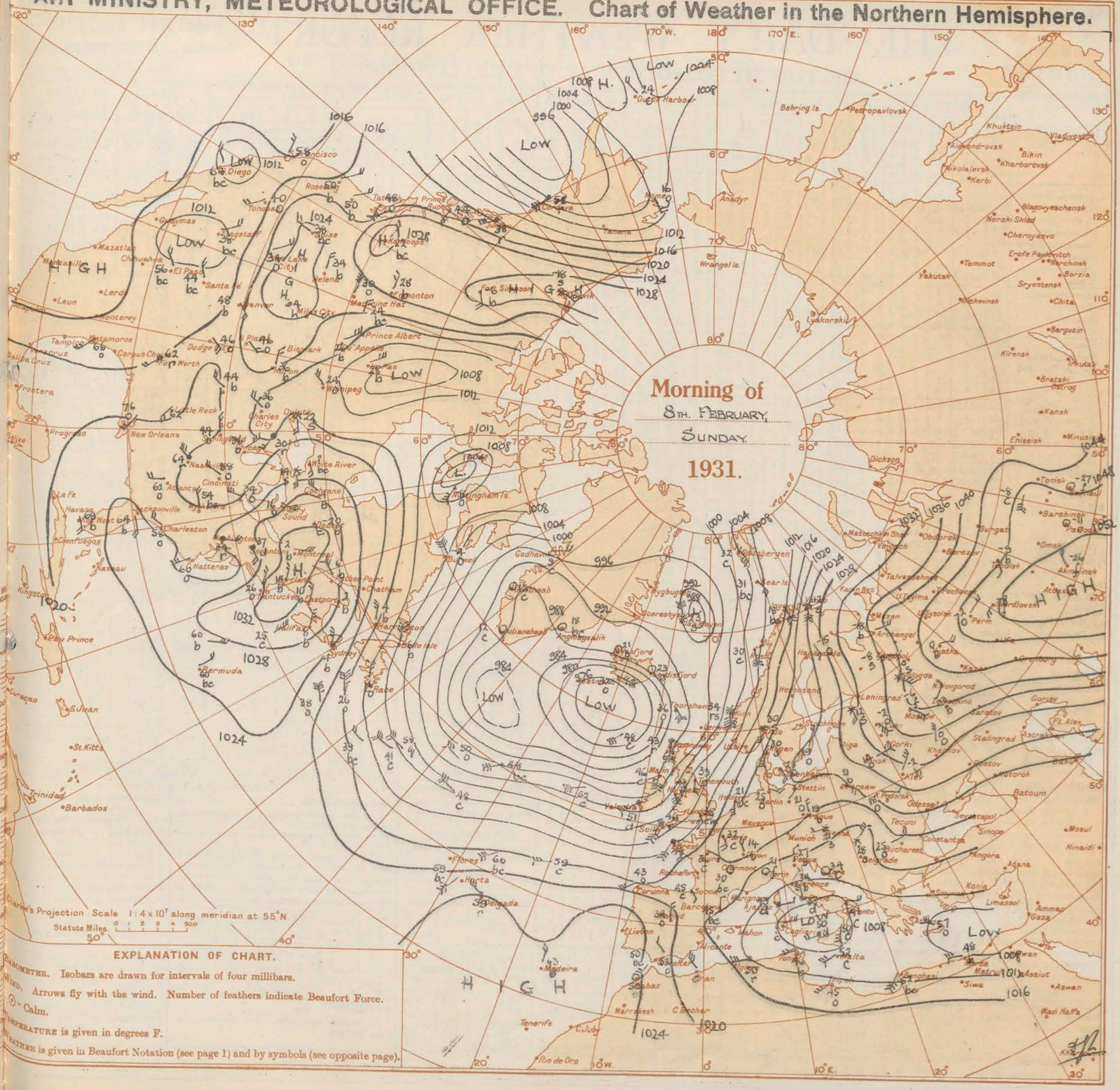
South Cone at 1345 on 7th in 13B,17,20; at 1915 on 7th in 15,16,13A and at 0850 on 8th in 5,6,7,8,10,11,12,18,19.

Forecasts issued at 1100 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2 Pa 2450 Bd 9 L.S.O. 6024 L 10a 28280 2/31.

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



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AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 8th February 1931.

No. 25.280

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)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1015.6	-6	SSE	3	bf-	32	95	3	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1015.3	-10	SE'S	2	bf-	38	95	3	-	5	-	0	Tr.	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1015.8	-2	SE	2	z	37	95	5	5	-	-	10	10	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1016.1	-4	S'W	3	F	33	95	1	5	-	-	10	10	<150
	Cranwell ...	240	1014.1	-4	SE'E	1	bcf	29	95	3	-	-	1	0	2-3	-
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	1013.9	-10	SW	4	c	46	65	8	4	6	-	7-8	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1013.3	-10	SSW	5	c	46	75	8	5	-	-	10	10	4000
	Scilly (St. Mary's)	163	1011.5	-24	SSW	6	o	47	75	7	5	-	-	10	10	2500
	Guernsey ...	175	1016.0	-14	-	0	c	40	85	8	5	-	-	7-8	7-8	2500
6	Pembroke ...	142	1009.6	-18	SSW	4	c	46	75	8	9	2	-	7-8	10	1500
7	Holyhead ...	26	1009.0	-12	S	5	c	45	95	7	5	1	-	9+	10	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1013.3	-2	SSW	3	cF	32	95	1	5	-	-	9+	9+	<150
	Tynemouth ...	67	1009.3	-4	SSW	2	bc	39	95	7	5	-	-	2-3	2-3	1500
11	Inchkeith ...	190	1006.7	-2	SW	3	c	43	95	8	5	2	-	2-3	10	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	998.5	-18	SSE	4	rr	44	95	6	6	-	-	10	10	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1002.3	-6	SW	2	bc	39	95	8	5	1	-	2-3	2-6	2500
16	Lerwick ...	54	1000.9	+12	W'S	1	bc	38	85	7	5	-	-	4-6	4-6	1500
17	Blacksod Point	18	995.2	-40	S	8	q	49	75	6	9	-	-	10	10	<150
18	Malin Head ...	52	999.9	-32	S	5	ir₀	43	95	6	6	1	-	2-3	10	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1000.0	-40	SW'S	6	RR	46	95	7	6	-	-	10	10	1500
	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)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1014.4	-6	SE	1	f	32	95	3	5	7		4-5	7	4000	4	*
Croydon	1014.9	-2	SSE	3	m	33	95	4		1		0	9	-	1	*
S. Farnborough	1014.2	-4	SSE	3	f	33	95	3		-	7	0	9+	-	4	*
Winchester	1013.7	-4	SSE	1	c	33	95	6	-	1	8	0	7-8	-	4	*
Boscombe Down	1013.7	-4	-	0	c	36	95	6	5	2	-	7-8	9	4000	1	*
Calshot	1014.0	-8	SE	3	c	41	85	6	5	7	-	4-6	10	2500	1	1
Dungeness	*	*	SW	4	z	*	*	5	5	-	*	10	10	1500	*	3
Lympne	1015.8	0	SE'S	3	z	39	95	5	5	-	-	10	10	800	1	*
Shoeburyness	1016.0	0	-	0	f	35	95	2	5	-	-	10	10	800	1	*
Felixstowe	1017.2	+4	S	3	z	38	95	6	5	-	-	10	10	800	1	1
Gorleston	1015.8	+10	S'W	3	c	36	95	6	5	-	-	9+	9+	2500	1	3
Cranwell	1012.7	0	SE	3	f	28	95	2	-	4	8	0	7-8	-	6	*
Cardington	1013.9	-6	S'E	3	f	33	95	3	5	-	6	9+	9+	220	4	*
Birmingham	1011.1	-8	S	3	c	37	85	8	-	2	-	0	9	-	1	*
Upper Heyford	1013.3	-8	SSE	2	z	33	95	5	5	-	-	9+	9+	2500	4	*
Leafield	1012.5	-10	SE'S	3	c	33	95	5	-	1	-	0	9+	-	4	*
Ross-on-Wye	1010.8	-14	S'E	3	c	41	85	7	5	1	-	9	10	2500	1	*
Portland Bill	1012.0	-8	S	4	c	46	85	8	4	-	-	10	10	2500	1	3
Plymouth	1010.9	-12	SSW	4	ir₀	46	95	7	6	2	-	4-6	10	2500	1	3
Falmouth	1009.1	-12	SSW	7	rr	47	95	6	6	-	-	10	10	2500	2	4
Scilly (St. Mary's)	1005.9	-20	SSW	7	rr	46	95	6	6	-	-	10	10	2500	1	4
Guernsey	1014.3	-6	S	1	c	44	95	7	5	-	-	9+	9+	4000	0	2
Pembroke	1005.8	-16	SSW	5	rr	46	95	6	3	2	-	7-8	10	1500	1	3
Holyhead	1005.3	-20	SSE	6	r₀r₀	43	95	6	6	-	-	10	10	1500	1	3
Chester (Sealand)	1008.2	-14	SE	3	ir₀	38	85	7	6	-	-	10	10	2500	1	*
L'pool (Bidston)	1008.0	-18	SE'E	4	ir	38	95	7	6	-	-	10	10	1500	1	*
Harrogate	1009.2	-10	SSE	3	c	36	85	5	-	2	-	0	10	-	7	*
Spurn Head	1011.9	0	S'W	5	f	33	95	2	-	-	.	0	10	<150	5	4
Tynemouth	1007.0	-12	S	2	o	39	95	6	6	-	-	10	10	1500	1	2
Inchkeith	1002.8	-16	S	2	ir₀	42	95	8	5	2	-	7-8	10	800	1	0
Leuchars	1003.0	-12	SE	4	ir₀	40	85	7	6	2	-	4-6	10	1500	3	*
Renfrew	1001.0	-22	S	3	rr	43	85	7	6	-	-	10	10	1500	1	*
Eskdalemuir	1003.5	-24	S'W	4	ir	39	95	6	6	-	-	10	10	800	1	*
Tiree	991.6	-38	S'E	8	r₀r₀	44	95	6	6	2	-	7-8	10	1500	1	5
Stornoway	991.0	-44	S	8	rr	43	95	6	6	-	-	10	10	4000	2	5
Dalwhinnie	997.2	-42	S	7	prs	38	85	7	5	-	-	9	9	1500	3	*
Aberdeen	1001.9	-16	SSE	4	r₀	42	95	7	6	2	-	7-8	10	1500	1	3
Wick	997.6	-28	SSW	4	c	43	95	8	9	2	8	4-6	10	1500	1	3
Lerwick	999.4	-16	S'E	3	c/pc	42	85	7	8	2	-	4-6	9+	1500	1	*
Blacksod Point	993.2	-6	S	6	DD	51	95	6	6	-	-	10	10	<150	1	6
Malin Head	991.3	-24	S	7	c	46	95	7	5	2	-	9	10	1500	0	3
Aldergrove	997.9	-24	SSE	5	c	44	95	7	6	1	-	9	10	800	1	*
Donaghadee	999.5	-30	SW	3	ir₀	39	85	7	6	-	-	10	10	800	1	2
Birr Castle	997.6	-10 8	S	3	c	47	95	7	5	-	-	9	9	2500	1	*
Valentia Obsy.	998.0	+10	SW	4	id₀	51	95	5	5	-	-	10	10	450	1	-
Roches Point	1000.1	-20	SW	4	dd	48	95	6	5	-	-	10	10	800	1	5

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (31)	Temperature Min. Night 18h–7h °F (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 7th Hrs. (36)
London (Kew)	43	29	24	0.1	0.1	0.5
Croydon	41	32	29	0.1	Tr	0.0
S. Farnborough	44	28	19	-	Tr	0.6
Winchester	45	29	23	0.1	-	3.4
Boscombe Down	44	31	30	0.1	Tr	
Calshot	45	35	28	-	-	3.7
Dungeness	46	39	*	/	Tr	*
Lympne	38	35	30	/	Tr	0.0
Shoeburyness	38	28	27	0.5	-	0.0
Felixstowe	37	32	30	/	Tr	0.0
Gorleston	37	30	29	/	Tr	0.0
Cranwell	38	26	22	-	0.1	1.2
Cardington	41	30	26	-	0.1	0.1
Birmingham	44	33	31	-	-	4.3
Upper Heyford	43	31	23	0.1	..	
Leafield	44	31	24	-	5 -	4.6
Ross-on-Wye	46	37	28	-	-	5.5
Portland Bill	47	44	*	0.5	-	*
Plymouth	47	39	33	-	0.4	4.2
Falmouth	48	43	*	-	2	5.4
Scilly (St. Mary's)	51	45	*	-	3	5.9
Guernsey	46	37	27	0.2	-	2.0
Pembroke	47	44	*	-	3	1.7
Holyhead	48	43	41	-	2	2.6
Chester (Sealand)	49	37	34	-	Tr	4.9
L'pool (Bidston)	45	37	36	-	0.2	6.0
Harrogate	43	35	31	-	-	1.7
Spurn Head	34	31	*	Tr	-	0.0
Tynemouth	41	37	32	-	-	*
Inchkeith	44	41	39	Tr	0.6	0.8
Leuchars	39	35	31	0.1	0.5	0.1
Renfrew	46	41	39	2	1	0.3
Eskdalemuir	39	37	36	2	3	0.0
Tiree	47	43	41	0.3	2	3.5
Stornoway	47	36	*	Tr	6	3.0
Dalwhinnie	43	34	*	2	2	1.1
Aberdeen	40	36	30	0.1	Tr	0.0
Wick	43	34	*	/	0.6	*
Lerwick	42	37	*	9	1	0.2
Blacksod Point	49	37	*	/	8	*
Malin Head	48	43	*	0.3	1	2.4
Aldergrove	45	41	39	Tr	1	0.0
Donaghadee	47	42	*	-	1	*
Birr Castle	46	43	41	0.1	9	0.7
Valentia Obsy.	49	46	45	0.1	23	0.0
Roches Point	48	45	*	Tr	5	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night (24 hrs. ended 9h.)	Temp. Day Max. °F.	Temp. Night Min. °F.	Temp. 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	ofcm	c2₀of	bfcfx	43	29	24	0.1	0.1	0.5	•	•	5
Croydon	217	omcid₀d	com f	ofbfx	41	32	29	0.1	Tr	0.0	•	•	4
Greenwich (Royal Observatory)	149	of	ofc	cbfxc	40	28	17	-	Tr	0.0	87	96	5
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Park)	27	•	•	•	42	31	27	0.2		0.0	81	88	•
Regents Pk. (Botanic Gardens)	168	•	•	•	•	•	•	•	•	•	•	•	•
Camden Square	110	om	oc bf	•	40	35	23	-	-	•	•	96	•
Kensington Palace	80	ocsorom	om	•	41	31	25	-	-	•	At 18h. 90	89	•
Hampstead Observatory	450	ofcom	ombcfx	•	39	29	23	0.3	0.3	0.0	•	89	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
2.0	22h. 7th	0.3	4-5h 8th

Kew Observatory. Max.	Time.	Min.	Time.
1.6	23h. 7th	<0.2	8h. 7th

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.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1018.3	SW	2	m	36	1020.1	S	1	c	34	37	34	0.2	-
Brussels	1018.3	SSE	1	c	30	1020.3	SSE	3	oc	22	30	21	-	-
Berlin	1020.3	NNE	2	m	21	1023.0	NE	1	o	21	21		0.5	
Zürich	1017.9	NE	1	c	18						25		0.5	
Rome	1008.5	NNE	2	bc	34	1008.5	N	3	id₀	37	46	34	-	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 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.

† 1 hr observations are from Valentia W/T station

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 9th February, 1931.

No. 25.281

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)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1013.2	-10	S	4	c	45	85	5	7	7	-	4-6	9+	2500
	Croydon ...	1014.0	-14	S	4	mo	45	85	6	5	7	-	7-8	9	1500
	S. Farnborough	1012.9	-10	S	4	iro	45	85	7	6	2	-	4-6	10	1500
	Winchester ...	1012.1	-14	SSW	5	iro	45	85	7	5	2	-	7-8	10	2500
	Boscombe Down	1011.8	-10	S	3	roro	44	95	6	6	2	-	9	10	800
	Calshot, S'thmtn	1013.1	-6	S	5	ido	45	85	6	5	2	-	7-8	10	1500
	Dungeness ...	*	*	S	6	mo	*	*	5	5	7	*	7-8	9+	1500
	Lympne ...	1015.7	-4	S	4	mo	41	95	6	5	-	-	10	10	450
2	Shoeburyness	1015.1	-8	S'E	3	c	42	95	7	5	-	-	9+	9+	1500
	Felixstowe ...	1015.4	-6	S'E	4	mo	40	95	6	5	1	-	7-8	10	2500
	Gorleston ...	1014.2	-8	S	5	c	40	95	6	5	-	-	9+	9+	2500
	Cranwell ...	1010.7	-18	SSE	4	c	36	95	5	-	2	8	0	10	-
3	Cardington ...	1011.9	-14	S'W	5	c	44	85	6	5	7	8	2-3	9+	7200
	Birmingham ...	1008.9	-10	S	4	iro	43	95	7	6	2	-	9	10	1500
	Upper Heyford	1011.2	-14	S	4	roro	43	95	6	6	2	-	2-3	10	800
	Leafield ...	1010.9	-10	S'E	5	iro	42	95	8	6	-	-	10	10	800
4	Ross-on-Wye ...	1008.5	-12	S	4	dd	46	95	6	6	1	-	9+	10	2500
5	Portland Bill...	1011.3	-4	S	5	c	47	85	7	5	-	-	10	10	2500
	Plymouth ...	1009.5	-6	S	5	dd	47	95	5	6	-	-	10	10	220
	Falmouth ...	1008.0	-2	SW'S	7	dd	49	95	5	5	-	-	10	10	1600
	Scilly (St. Mary's)	1006.3	+4	SW	5	df	51	95	2	5	-	-	10	10	<150
	Guernsey ...	1013.4	-6	S	3	o/d	48	85	7	5	-	-	10	10	1500
6	Pembroke ...	1004.1	-6	SSW	6	mo	47	95	5	3	-	-	10	10	800
7	Holyhead ...	1003.2	-6	S	6	DD	46	95	5	6	-	-	10	10	450
	Chester (Sealand)	1004.6	-22	SE	4	iro	45	95	6	6	1	-	4-6	10	1500
8	L'pool (Bidston)	1004.2	-12	ESE	5	ido	44	95	6	6	-	-	9	9	1500
9	Harrogate ...	1007.0	-10	SSE	3	rf	38	95	3	5	2	-	7-8	10	<150
10	Spurn Head ...	1010.1	-8	S'W	5	c	38	95	6	5	3	8	4-6	10	800
	Tynemouth ...	1003.8	-24	S	5	o/r	40	85	6	6	-	-	10	10	1500
11	Inchkeith ...	999.1	-10	SW	3	pr	45	95	8	6	2	-	7-8	10	800
	Leuchars ...	999.4	-18	S	4	ir	40	95	6	6	2	-	7-8	10	800
12	Renfrew ...	998.0	-12	S	4	roro	45	95	6	6	1	-	9	10	800
	Eskdalemuir ...	1001.3	-6	SSW	4	dd	40	95	6	6	-	-	10	10	800
13A	Tiree ...	992.4	+18	SW	6	dd	48	95	4	5	-	-	10	10	<150
13B	Stornoway ...	987.3	-4	SSW	5	dd	48	95	6	6	-	-	10	10	4000
15	Dalwhinnie ...	995.0	-10	S	6	prs	38	95	7	5	-	-	9	9	1500
	Aberdeen ...	997.2	-24	S	5	c/r	42	85	7	6	2	-	9	10	1500
	Wick ...	989.9	-36	S	8	c/r	43	95	8	9	1	-	4-6	9	1500
16	Lerwick ...	993.5	-40	SE	8	roro	43	95	7	6	-	-	10	10	1600
17	Blacksod Point	997.1	+22	W	4	iD	50	85	7	-	2	-	0	10	-
18	Malin Head ...	994.8	+20	W	4	ido	49	95	6	6	2	-	9	10	800
	Aldergrove ...	997.4	0	S	4	dd	49	95	6	5	-	-	10	10	450
	Donaghadee ...	997.6	-6	SSW	3	iro	47	95	7	6	-	-	9	9	800
19	Birr Castle ...	1000.1	+6	SW	3	o/r	52	95	7	6	-	-	10	10	2500
20	Valentia Obsy.	1002.1	+14	SW	3	ido	51	95	5	5	-	-	10	10	450
	Roches Point...	1001.2	+6	SW	2	c	50	95	8	3	-	-	9	9	1500

OBSERVATIONS at 18h. G.M.T. 8th 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)	1013.2	+4	S	4	c	45	85	5	5	-	-	10	10	1500	1	*
	Croydon	1013.5	+2	S	4	mo	44	85	6	5	2	-	7-8	10	800	1	*
	S. Farnborough	1012.7	+2	S	4	dd	44	95	6	6	-	-	10	10	450	1	*
	Winchester	1012.1	+2	SSW	5	roro	43	95	6	6	-	-	10	10	450	1	*
	Boscombe Down	1011.7	+2	S'W	5	iro	44	95	6	6	-	-	10	10	220	1	*
	Calshot, S'thmtn	1012.8	+4	S'E	5	dd	45	95	6	5	-	-	10	10	800	1	3
	Dungeness	*	*	S	6	mo	*	*	5	5	7	*	7-8	9+	1500	*	4
	Lympne	1015.6	+4	S	4	mo	42	85	6	5	-	-	10	10	4000	1	*
2	Shoeburyness	1014.8	0	S'E	3	o	42	85	7	5	-	-	10	10	1500	0	*
	Felixstowe	1014.8	+2	S'E	4	mo	42	95	6	5	-	-	10	10	2500	1	3
	Gorleston	1013.6	-4	S	6	o	41	95	6	6	-	-	10	10	2500	0	4
	Cranwell	1009.0	-2	S	5	iro	42	95	6	6	2	-	7-8	10	1500	1	*
3	Cardington	1011.1	0	S'W	5	cjp	44	85	7	6	1	-	7-8	10	1500	1	*
	Birmingham	1008.3	+4	SSW	4	roro	44	95	6	6	-	-	10	10	1500	1	*
	Upper Heyford	1010.9	+2	SSW	5	roro	43	95	7	6	2	-	9	10	800	1	*
	Leafield	1010.3	0	S	6	iro	43	95	6	6	-	-	10	10	450	1	*
4	Ross-on-Wye	1008.5	0	S	4	ido	47	95	7	6	-	-	10	10	2500	1	*
5	Portland Bill	1010.8	+2	S	6	RR	47	95	6	5	-	-	10	10	1500	2	4
	Plymouth	1009.0	0	S	5	dd	49	95	4	5	-	-	10	10	<150	2	3
	Falmouth	1009.5	+10	SW'W	4	dd	50	95	6	5	-	-	10	10	1500	1	3
	Scilly (St. Mary's)	1008.5	+18	WSW	5	F	50	95	1	5	-	-	10	10	<150	1	3
	Guernsey	1013.0	+8	S	4	ido	47	95	7	6	-		10	10	1500	1	4
6	Pembroke	1006.7	+12	SW	4	F	48	95	1	5	-	-	10	10	<150	1	3
7	Holyhead	1003.5	+6	SSW	4	f	47	95	2	5	-	-	10	10	<150	1	2
	Chester (Sealand)	1004.7	+6	SE	3	c	48	95	8	5	2	-	4-6	10	2500	1	*
8	L'pool (Bidston)	1004.1	+4	SE	3	c	46	95	7	5	-	-	9+	9+	2500	1	*
9	Harrogate	1005.1	-6	SSE	3	iro	42	95	5	6	-	-	10	10	2500	1	*
10	Spurn Head	1007.8	-4	S'W	6	roro	41	95	6	6	-	-	10	10	2500	1	4
	Tynemouth	1002.2	-4	S	3	o/r	43	95	6	6	-	-	10	10	1500	1	2
11	Inchkeith	997.2	-8	SW	4	c	46	95	8	5	2	-	2-3	10	4000	0	3
	Leuchars	998.2	+6	SSW	4	c	45	85	7	6	2	-	7-8	10	1500	6	*
12	Renfrew	998.4	+6	SW	3	iro	48	95	6	5	-	-	10	10	1600	1	*
	Eskdalemuir	1000.3	+4	SSW	4	dF	43	95	1	5	-	-	10	10	<150	1	*
13A	Tiree	995.7	+20	SW	4	o	47	95	6	5	-	-	10	10	800	1	3
13B	Stornoway	990.4	+20	SSW	3	c	47	85	6	4	2	-	7-8	10	4000	2	2
15	Dalwhinnie	995.2	+4	SSE	3	c	41	95	7	5	-	-	7-8	7-8	1500	3	
	Aberdeen	997.2	+2	SSW	4	c	43	95	7	5	-	-	10	10	1500	1	3
	Wick	992.0	+14	SW	5	c	46	85	8	3	2	-	7-8	10	1500	1	4
16	Lerwick	989.7	-10	S	6	dd	43	95	6	6	-	-	10	10	800	1	*
17	Blacksod Point	998.6	+10	W	4	c	50	85	7	-	2	-	0	10	-	0	4
18	Malin Head	997.2	+18	SW	3	c	48	95	5	5	2	-	7-8	9+	1500	1	2
	Aldergrove	1000.0	+18	S'W	4	c	48	85	7	5	2	-	7-8	10	1600	1	*
	Donaghadee	999.3	+12	W	2	c	49	95	7	5	-	-	9	9	1500	1	1
19	Birr Castle	1002.2	+14	SW	1	c	50	95	7	5	2	-	9+	10	2500	1	*
20	Valentia Obsy.	1002.9	+6	S'E	4	c/d	51	95	6	5	-	-	10	10	450	1	3
	Roches Point	1004.4	+14	SW	3	c	48	95	8	3	-	-	9	9	1500	1	4

PAST 24 HOURS. WEATHER.

District	Stations	7h.–13h. 8th (37)	13h.–18h. 8th (38)	18h. 8th to 1h. 9th (39)	1h.–7h. 9th (40)
1	London (Kew)	cmo	cmoro	cmorcmo	cmo
	Croydon	cmmo	crromo	orrddmo	ododrmo
	S. Farnborough	cfxc cro	crocrdo	dordd	odd
	Winchester	bcmoxcir	cororomo	orromo	orrom
	Boscombe Down	crrrromo	cirom	oiromo	oiromo FF
	Calshot, S'thmtn	cmo	coddm	odocdmo	oddoDdm
	Dungeness	o	o	*	d
	Lympne	omo	ocmo	cormo	orodf
2	Shoeburyness	cmoe	co	oroٜro	o
	Felixstowe	bcmocmo	cmo	orrmo	oromo
	Gorleston	cmomq	cmomq	oirororq	orrirq
	Cranwell	bcfxofm	cmcro	crororo	cmo
3	Cardington	fcmo	ciro	crirc	ororc
	Birmingham	ciro	oiro	oiroc	cpro
	Upper Heyford	crorom	crorq	crororq	ordod
	Leafield	coiro	oiro	oido	oifido
4	Ross-on-Wye	cdod	dodo q	ido o	cbc
5	Portland Bill	ciro	crrRzo	ofrfr	rforf
	Plymouth	corormdd	omdd	omdido	omdido
	Falmouth	ormdq	oidmq	omoFdo	oidom
	Scilly (St. Mary's)	dffe	dffe	offe	ffdo
	Guernsey	coido	oid	odd	odpro
6	Pembroke	orrmq	dd FF	oFf	Ffir
7	Holyhead	roroDD	DDf	fefedofef	ffr, Rd
	Chester (Sealand)	iro rc	romoc	cpro	c
8	L'pool (Bidston)	rrocd	didoc	croc	cprc
9	Harrogate	ocfiro	fcoro	ocir	ociro
10	Spurn Head	fmc	coro	ororo	cir
	Tynemouth	oiroq	oiro	o	oc
11	Inchkeith	cpr	c	copr	oc
	Leuchars	croddrmo	crmoc	crocmo	cmo
12	Renfrew	crromo	orromo	cmocr	c
	Eskdalemuir	orodd	oddod F	odod F	odd FoFe
13A	Tiree	ciRodmdm	oidoo	o	cido
13B	Stornoway	odod	c	ciro	cqbc
15	Dalwhinnie	prsqc	prsc	prsbc	bcc
	Aberdeen	crro	crro	cbc	bcb
	Wick	iRir	c	c	c
16	Lerwick	cprororo	prrddm	ododmo	c
17	Blacksod Point	id	id o	dd	DD
18	Malin Head	cimo	cdmcmo	cidmmbc	bc
	Aldergrove	cirorrdd	oddc	crr	roroc
	Donaghadee	ociro	ciroc	cbc	irobc
19	Birr Castle	coiro	oc	co	orocbc
20	Valentia Obsy.	odd ido	oido	idoirc	bcb
	Roches Point	odciroc	c	cdfo	ocbc

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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

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.

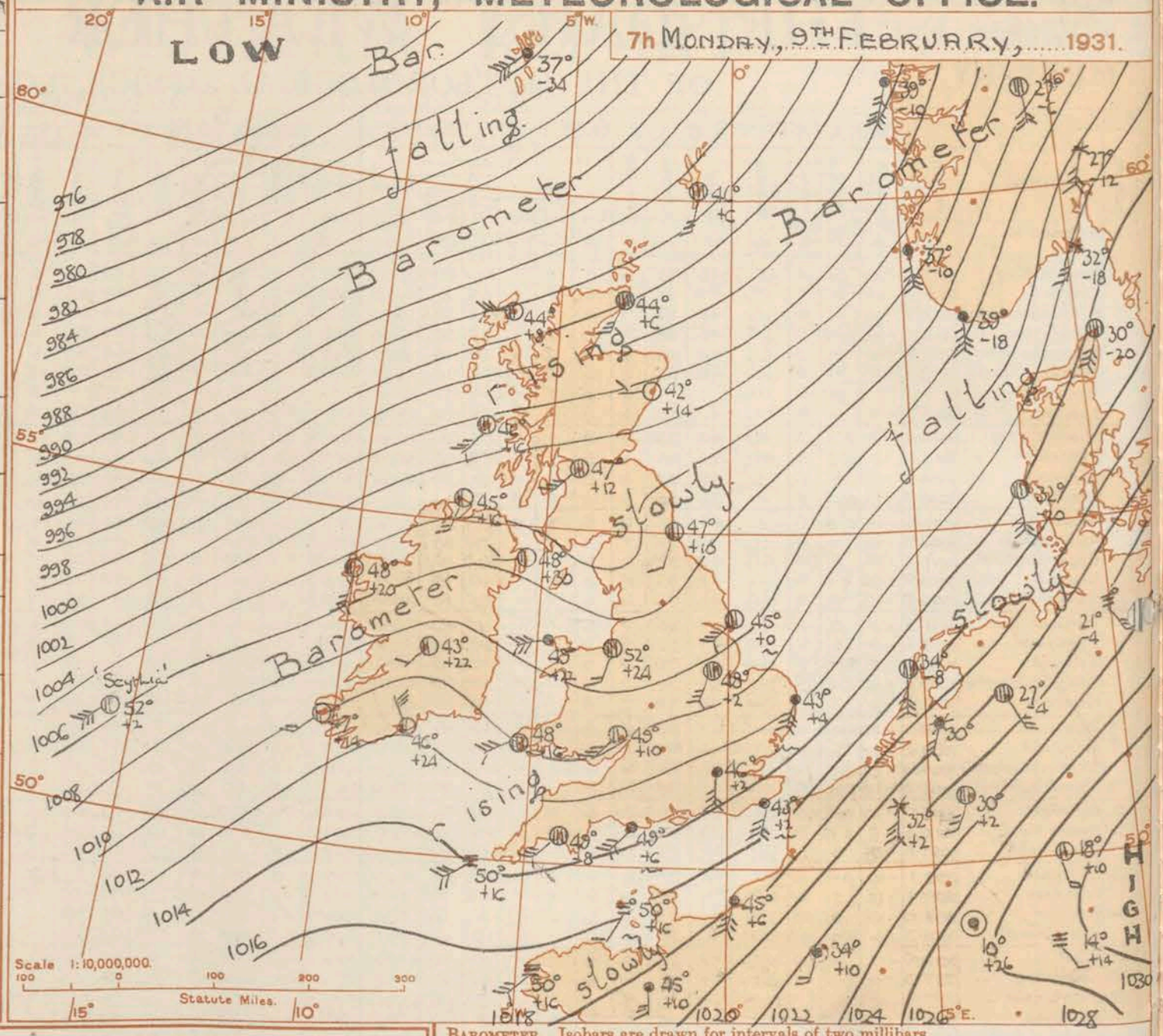
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 8th February 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	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	27	43	Trace	Trace	0.0
	Bournemouth	o	od	34	46	-	0.3	0.0
	Ventnor ...	ocbco	orou	39	48	-	0.3	1.1
	Southsea ...	oco	or.	34	47	-	0.3	0.2
	Bognor Regis	rcbcc	bcc	34	46	0.3	Trace	0.6
	Littlehampton	bcc	dc	31	46	-	0.2	0.5
	Worthing ...	oc	cd.o	33	46	Trace	Trace	0.5
	Brighton ...	oc	bcco	31	45	-	-	0.2
	Eastbourne†	oc	or.o	31	45	-	0.3	0.1
	Hastings† ...	omoc	co	35	44	0.4	-	0.2
	Folkestone ...	om.	om.co	36	44	-	-	0.2
	Dover... ...	moc	c	36	44	-	-	0.0
	Deal	o	o	35	44	-	-	0.0
	Ramsgate ...	c	c	34	44	-	-	0.0
	Margate ...	c	c	34	40	0.2	-	0.0
2	Southend ...	of	o	31	42	Trace	-	0.0
	Maldon ...	c	co	30	44	0.3	-	0.0
	Clacton-on-Sea	bcmc	c	32	42	-	-	0.0
	Dovercourt ...	ocbc	oc	31	42	-	-	0.2
	Lowestoft ...	om.o	cm.o	30	39	-	-	0.0
	Skegness ...	om	mo	34	42	1	Trace	0.0
	Mablethorpe	om.	or.m.	31	42	-	Trace	0.0
	Cleethorpes...	o	o	29	41	-	-	0.0
3	Leamington S.	o	or	30	45	-	1	0.0
4	Cheltenham†	or.o	or.	34	46	0.3	0.5	0.0
5	Bath	rc	cr	32	47	0.3	1	0.0
	Weymouth ...	cir.c	ddr	34	48	-	1	0.0
	Jersey ...	co	co	43	48	-	-	0.0
	Torquay ...	pcq	oddmq	35	49	0.2	1	0.0
	Penzance ...	ord	ordf	44	52	10	4	0.0
	St. Ives ...	r	r	43	53	8	3	0.0
	Bude	odo	oid.	35	51	0.2	2	0.0
	Ilfracombe ...	rr	rr	41	51	2	6	0.0
6	Aberystwyth	cir	cir	38	51	2	0.5	0.1
7	Llandudno ...	cr.o	oc	41	52	-	0.1	0.0
	Colwyn Bay...	oro	obco	41	(52)	0.3	1	0.0
	Rhyl	crr	cpoc	39	52	0.3	1	0.0
8	Wallasey ...	oir.	ir	38	48	0.5	1	0.0
	Southport‖ ...	ro	od.o	38	47	1	0.6	0.0
	Blackpool ...	oro	od	33	46	1	0.2	0.0
	Morecambe ...	ropc	cpco	37	45	1	1	0.0
9	Ilkley... ...	co	d.d	33	45	-	0.3	0.0
10	Berwick-on-T.	o	or.	32	46	-	Trace	0.0
11	Dunbar ...	bcc	r	39	47	-	2	0.0
12	Douglas ...	om.r.	omR	39	47	1	4	0.0

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



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with the wind. Number of feathers indicate Beaufort force. Calm. - ⊙
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. ▲ 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.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 9th Feb. 1931.

Districts.	Forecasts
1. S.E. England 2. E. England... 3. E. Midlands	Wind south or southwest, moderate or fresh; dull or cloudy; some drizzle, then improving somewhat; fog or mist near South Coast and on high ground; mild.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Wind southwesterly, moderate or fresh, strong locally at times, perhaps veering later; mainly cloudy; some rain or showers later; perhaps coastal fog locally; mild; perhaps somewhat colder tomorrow.
8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind southwesterly, moderate or fresh; mainly cloudy; some rain or showers later; mild, perhaps somewhat colder tomorrow.
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.	Wind southwest or west, fresh, strong or gale on coast, veering later; mainly cloudy, but brighter intervals; some rain or showers; somewhat colder later.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind southwesterly, moderate or fresh, strong or gale on coast at times, probably veering later; mainly cloudy; some rain or showers; mild, then colder.

GENERAL INFERENCE.

An intense depression over Iceland will move northeast and associated secondary disturbances will cross the British Isles. Weather will be rather unsettled, though with fairer intervals, remaining mild in the South but probably becoming somewhat colder in the North and West.

FURTHER OUTLOOK.

Changeable; colder in the North and West and perhaps generally later.

Times of issue of Gale Warnings.

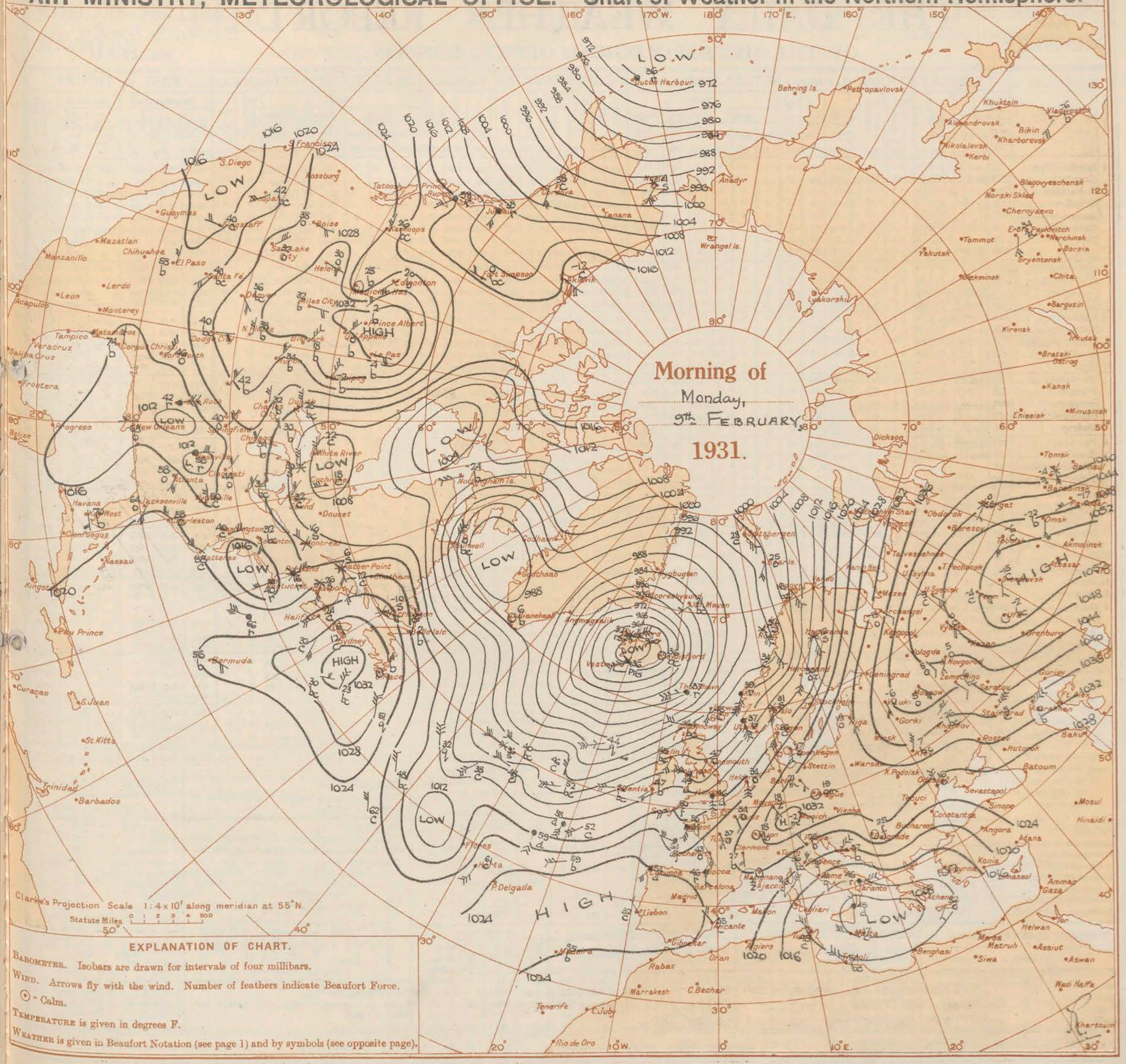
South Cone at 1345 on 7th in 17, 20 and at 0840 on 9th in 13A., 13B., 15, 16.

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 Pc 2499/2/63. m. 26. D 6026. Gp 508. 28280. 2/31.

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



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 9th February, 1931.

No. 25.281

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)	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 8h. Hrs. (36)
		OBSERVATIONS at 1 hr. G.M.T. 9th February															OBSERVATIONS at 7 hr. G.M.T. 9th February																PAST 24 HOURS.					
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.9	+2	SSW	4	0	47	96	5	5	-	-	10	10	1500	1	*	45	44	42	Tr.	1	0.2
	Croydon	217	1013.3	-2	S'W	4	d.d.	44	95	5	6	-	-	10	10	800	1013.1	+2	S	5	d.d.	46	96	6	6	-	-	10	10	450	1	*	45	43	41	0.1	3	0.1
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.5	+2	SSW	4	d.d.	48	96	6	6	-	-	10	10	450	1	*	45	43	42	0.6	1	0.0
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1013.4	+4	SW'S	3	df	48	96	3	5	-	-	10	10	<150	1	*	45	43	42	1	4	0.0
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.5	+6	S	3	f	48	95	2	-	-	-	0	0	-	1	*	44	44	44	1	1	*
	Calshot, (S'thmtn)	8	1012.7	-2	SSW	6	d.d.	46	95	5	5	-	-	10	10	450	1013.3	+6	SW'S	5	df	46	96	4	5	-	-	10	10	450	1	2	45	44	43	0.6	2	0.0
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	S	6	df	*	*	3	6	-	*	10	10	450	*	4	44	42	*	Tr.	0.4	*
	Lympne	346	1015.4	-2	S'W	5	ir.	41	95	6	6	-	-	10	10	1500	1015.6	+2	SSW	5	df	43	95	1	5	-	-	10	10	<150	1	*	42	41	40	-	1	0.1
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1013.7	0	S'W	5	c	44	96	7	5	2	-	7-8	10	450	1	*	43	41	40	-	1	0.0
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1013.7	+2	SW	5	0	42	95	7	5	-	-	10	10	800	1	4	42	40	40	-	1	0.2
	Gorleston	14	1012.6	-6	S	7	r.r.	41	95	6	6	-	-	10	10	800	1011.8	+4	SW	6	ir.	43	95	6	6	-	-	10	10	800	1	5	42	41	39	-	2	0.0
	Cranwell	240	1008.2	+4	SSW	5	c/r	46	95	6	6	2	-	4-6	10	1500	1008.9	+2	SSW	4	c	48	96	6	5	-	-	10	10	1500	1	*	42	42	41	0.4	0.4	0.0
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1011.3	+2	SW'S	4	c	47	95	7	5	2	-	7-8	10	800	1	*	45	43	42	0.1	1	0.1
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1010.1	+8	SW	3	c	48	95	7	5	-	-	9+	9+	800	1	*	44	43	42	1	0.4	0.0
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1011.3	+8	S'W	3	d.d.	48	96	5	6	-	-	10	10	800	1	*	44	43	42	0.3	2	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1011.0	+6	S'W	4	i.d.	48	96	4	5	-	-	10	10	<150	1	*	43	42	42	1	1	0.0
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1010.3	+10	SW	3	bc	49	96	7	4	1	9	1	2.3	4000	1	*	47	46	46	0.2	0.1	0.0
5	Portland Bill	32	1011.5	+6	SSW	6	rF	43	95	1	5	-	-	10	10	<150	1012.5	+6	SW	5	rF	49	96	1	5	-	-	10	10	<150	2	4	49	46	*	1	1	*
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1013.6	+8	SW	4	d. o/c	49	96	5	6	-	-	10	10	<160	2	3	49	48	48	8	2	0.0
	Falmouth	200	1012.0	+6	WSW	3	d.d.	50	95	5	5	-	-	10	10	800	1013.7	+10	WSW	5	i.d.	50	95	6	6	-	-	10	10	1500	1	3	50	49	*	2	1	0.0
	Scilly (St. Mary's)	163	1011.1	+12	WSW	6	F-	50	95	2	5	-	-	10	10	<150	1013.7	+16	WS	5	f	50	95	2	6	-	-	10	10	<150	1	3	51	49	*	4	1	0.0
	Guernsey	175	1013.6	+8	SSW	3	d.d.	48	95	6	6	-	-	10	10	1500	1015.6	+12	SW	1	m	50	95	4	5	-	-	10	10	1500	2	4	48	47	45	1	5	0.2
6	Pembroke	142	1007.4	+6	SW	4	F	49	95	1	5	-	-	10	10	<150	1009.8	+16	W	4	c	48	95	7	5	2	-	9	10	800	1	3	48	47	*	4	1	0.0
7	Holyhead	26	1004.9	+4	SW'S	4	f	47	95	2	5	-	-	10	10	<150	1007.7	+22	W'N	6	i.d.	49	95	6	6	-	-	9+	9+	800	1	3	48	46	45	5	2	0.0
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.6	+24	SSW	2	c	52	85	7	5	2	-	4-6	9	2500	1	*	49	48	46	1	Tr.	0.0
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.2	+14	SSW	4	c	50	85	9	5	-	-	9	9	2500	0	*	46	45	44	2	0.3	0.0
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.3	+14	S	1	ir.	48	95	5	6	2	-	9	10	2500	1	*	42	42	41	0.6	0.5	0.0
10	Spurn Head	29	1006.6	0	SW'S	5	o	43	95	7	6	-	-	10	10	2500	1007.1	0	SW'W	4	c	45	95	6	3	2	-	7-8	10	2500	1	4	42	41	*	Tr.	1	0.0
	Tynemouth	67	1004.3	+8	SW	1	o	45	93	7	6	-	-	10	10	1500	1004.9	+6	SSW	1	c	47	95	6	6	-	-	7-8	7-8	1500	1	2	43	43	39	0.5	-	*
11	Inchkeith	190	1000.5	+14	SW	3	o/pr	45	95	8	5	-	-	10	10	1500	1002.1	+10	SW	3	c	46	95	7	5	2	-	4-6	9+	2500	0	1	47	44	43	1	1	0.0
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1002.0	+10	SW	2	c	44	95	6	5	2	-	4-6	9	1500	1	*	45	42	39	1	0.3	0.0
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1003.6	+12	WSW	3	c	47	95	8	8	1	-	7-8	9	2500	1	*	48	46	43	3	1	0.0
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1004.0	+16	SSE	1	F	43	95	1	5	-	-	10	10	<150	1	*	43	41	41	17	2	0.0
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1000.6	+16	SW	4	c	46	85	8	5	7	8	Tr.	9+	4000	1	4	48	45	40	4	0.1	0.0
13B	Stornoway	30	999.0	-6	SW	4	c	46	96	7	8	-	-	10	10	4000	999.5	+8	W	4	bc	44	76	7	2	1	-	1	2-3	4000	1	2	49	44	*	1	1	0.0
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1000.4	+10	SW	3	bc	42	85	8	9	-	-	4-6	4-6	2600	3	*	41	38	*	1	1	0.0
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1000.8	+14	W	1	b	42	76	8	-	-	-	0	0	-	1	2	43	39	31	2	-	0.0
	Wick	81	994.4	+14	SW	2	c	45	95	8	5	1	8	4-6	7-8	2500	996.3	+6	SW	3	c	44	95	8	8	1	-	4-6	9	2600	1	3	46	42	*	3	-	*
16	Lerwick	54	991.8	+16	SSW	3	c	47	85	7	5	2	-	4-6	10	1500	993.0	+6	S'W	3	c	46	85	7	5	7	-	4-6	7-8	1500	1	*	44	43	*	2	0.6	0.0
17	Blacksod Point	18	1001.3	+22	W	4	d.d	48	95	7	6	-	-	10	10	<150	1005.0	+20	S	4	bc	48	85	7	5	-	-	4-6	4-6	1500	0	3	52	46	*	0.3	4	*
18	Malin Head	52	999.0	+4	S	2	bc	46	95	7	5	-	-	2-3	2-3	2500	1003.0	+16	SSW	2	bc	45	95	7	5	-	8	2-3	4-6	4000	1	1	49	45	*	1	0.5	0.0
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1006.3	+26	SSW	3	c	44	95	8	5	1	-	4-6	7-8	4000	1	*	50	44	39	1	2	0.0
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1005.1	+30	W	1	bc	48	95	7	3	-	-	2-3	2-3	4000	1	0	50	41	*	1	3	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1009.2	+22	SW	1	bc	43	95	8	-	4	-	0	2-3	-	1	*	52	43	36	0.1	0.5	0.0
20	Valentia Obsy.†	30	1006.6	+40	SW	4	o/d	50	95	7	6	-	-	10	10	1500	1010.4	+14	SW	2	b	47	95	8	5	-	-	1	1	1500	1	-	52	46	43	0.3	1	0.0
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.2	+28	NW	3	bc	46	95	8	5	-	-	4-6	4-6	1500	1	3	51	45	*	3	1	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other 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	cm.	cm.r.	cm.rm.	45	44	42	Tr.	1	0.2	*	*	4
Croydon	217	cmm.	crr.m.	ornddw	46	43	41	0.1	3	0.1	*	*	6
Greenwich (Royal Observatory)	149	c	cd.	cdr.cd	46	43	39	Tr.	1	0.0	81	95	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Park)	27	*	*	*	46	42	38	/	/	0.1	91	93	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square	110	cmc	cor	*	46	46	42	0.5	1	*	*	95	*
Kensington Palace	80	o	o	*	46	44	41	-	1	*	At 18h. 84	95	*
Hampstead Observatory	450	ofofcm	cmorm	*	44	40	38	1	1	0.0	*	98	*

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	10-11h 8th	<0.3	0-6h 9th

Kew Observatory Max.	Time.	Min.	Time.
0.5	11h 8th	<0.1	1h 9th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 9th 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.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day. mm.	Rainfall Night. mm.
Paris	1020.9	SSW	1	0	39	1023.4	SSE	1	0	34	41	34	-	Tr.
Brussels	1020.8	S	3	bc	32	1021.2	S	4	SS	32	39	28	-	?
Berlin	1027.4	ESE	1	0	21	1028.6	SE	2	m	21	21	19	-	-
Zürich						1026.8	WSW	1	m	16		12		-
Rome	1008.2	-	0	dr	37	1013.0	N	5	w	41	41	36	7	3

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

0	Calm.	5	Very rough.
1	Smooth.	6	High.
2	Slight.	7	Very high.
3	Moderate.	8	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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 10th February 1931.

No. 25282

OBSERVATIONS at 13h. G.M.T. 2nd 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)	1014.8	+8	SSW	3	c	51	95	6	5	2	-	9+	10	1000
	Croydon	1015.1	+6	SW	3	m	50	95	4	5	-	-	10	10	220
	S. Farnborough	1014.7	+4	SW	3	o	52	95	6	5	-	-	10	10	~~4500~~
	Winchester	1015.4	+6	SW	3	o	50	95	5	5	-	-	10	10	4500
	Boscombe Down	1014.8	+8	W	3	o	51	95	7	5	-	-	10	10	4500
	Calshot, S'thmtn	1015.5	+6	SW/S	3	d₀d₀	50	95	5	5	-	-	10	10	220
	Dungeness	*	*	SW/S	6	md	*	*	4	5	-	-	10	10	800
	Lympne	1016.7	0	SW/S	5	df	45	95	1	5	-	-	10	10	4150
2	Shoeburyness	1015.3	0	SW	4	o	48	95	6	5	-	-	10	10	1500
	Felixstowe	1014.9	+6	SW	4	id₀	45	95	4	5	-	-	10	10	4450
	Gorleston	1013.2	+8	SSW	4	o	46	95	5	6	-	-	10	10	1500
	Cranwell	1011.7	+12	SW/W	2	c	52	85	6	5	-	-	10	10	1500
3	Cardington	1013.0	+8	WSW	4	c	52	85	7	5	2	-	9	10	800
	Birmingham	1012.6	+8	SW	3	c jp	51	85	8	6	2	-	4-6	9	800
	Upper Heyford	1014.4	+14	SW	3	c	50	95	8	5	2	-	4-6	10	1500
	Leafield	1013.9	+10	SW/S	3	c	48	95	8	5	-	-	10	10	800
4	Ross-on-Wye	1013.0	+10	~~SW/S~~ SW/W	3	bc	54	85	7	4	7	9	4-6	4-6	4000
5	Portland Bill	1015.1	+2	WSW	4	of	49	95	1	5	-	-	10	10	4450
	Plymouth	1015.8	+6	SW/W	3	id₀	49	95	5	5	-	-	10	10	4150
	Falmouth	1016.4	0	WSW	3	c	51	95	6	5	-	-	7-8	7-8	1500
	Scilly (St. Mary's)	1015.8	+6	WSW	4	f	51	95	2	5	-	-	10	10	4150
	Guernsey	1017.9	+8	SW	3	of	51	95	3	5	-	-	10	10	1500
6	Pembroke	1013.3	+4	SW	3	bc	50	95	7	2	7	9	2-3	4-6	2500
7	Holyhead	1011.3	+6	SW/W	4	c	48	85	8	8	7	3	~~10~~	9	2500
	Chester (Sealand)	1011.4	+6	SW	2	c	56	65	8	7	-	4	4-6	7-8	2500
8	L'pool (Bidston)	1010.9	+10	WSW	3	c	50	75	8	-	-	6	0	7-8	-
9	Harrogate	1010.2	+26	SSW	2	c	50	95	7	9	-	8	1	7-8	2500
10	Spurn Head	1010.8	+4	SW/W	3	c	50	95	6	5	3	-	7-8	10	2500
	Tynemouth	1007.5	+4	WSW	2	m	52	75	4	2	-	-	7-8	7-8	2500
11	Inchkeith	1005.8	+10	SW	2	bc	46	85	7	7	4	1	1	4-6	5700
	Leuchars	1005.0	+10	SW	3	bc	47	75	8	-	3	9	0	2-3	-
12	Renfrew	1006.9	+14	SW	4	c	50	85	7	2	4	9	1	7-8	2500
	Eskdalemuir	1007.9	+6	S	3	c	45	85	7	5	-	8	4-6	7-8	1500
13A	Tiree	1001.4	-8	SW	6	c	49	85	7	8	3	1	9	9	2500
13B	Stornoway	994.0	-8	SSW	8	r	47	85	6	6	-	-	10	10	4000
15	Dalwhinnie	1003.6	0	WSW	3	bc	44	85	8	-	4	-	0	2-3	-
	Aberdeen	1002.9	+2	SW	2	bc	48	65	6	-	3	-	0	2-3	-
	Wick	997.7	-4	SW	5	bc	48	75	8	5	4	9	2-3	4-6	4000
16	Lerwick	994.3	+8	SSW	4	bc	47	85	7	5	-	-	2-3	2-3	1500
17	Blacksod Point	1004.2	-10	SW	6	bc	51	75	8	3	-	-	4-6	4-6	1500
18	Malin Head	1003.4	-4	SSW	5	c	50	85	7	8	6	9	2-3	7-8	2500
	Aldergrove	1005.2	+6	SW	3	c	46	95	7	5	4	-	9	9+	1500
	Donaghadee	1005.2	+6	WSW	2	c	49	85	7	7	-	-	7-8	7-8	4000
19	Birr Castle	1009.5	-8	SW	2	c	52	75	8	6	7	-	~~7~~	9+	2500
20	Valentia Obsy.	1009.2	-20	S	4	c	51	~~75~~ 95	8	5	-	-	(9+)	9+	800
	Roches Point	1011.9	0	W	3	c	50	95	8	3	2	-	4-6	7-8	1500

OBSERVATIONS at 18h. 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)	1014.9	0	SSW	3	c	51	95	5	5	-	-	10	10	1500	1	*
	Croydon	1015.1	+2	SSW	3	d₀d₀	50	95	5	6	-	-	10	10	220	1	*
	S. Farnborough	1015.0	+4	SSW	4	o	50	95	5	5	-	-	9+	9+	800	1	*
	Winchester	1015.2	+2	SW/S	3	df	49	95	3	5	-	-	10	10	4150	1	*
	Boscombe Down	1014.8	+2	SW	4	c	50	95	5	5	-	-	10	10	4450	1	*
	Calshot, S'thmtn	1016.0	+2	SW/S	4	dm	48	95	4	5	-	-	10	10	4150	1	1
	Dungeness	*	*	SW	5	df	*	*	3	6	-	*	10	10	800	*	3
	Lympne	1016.8	+2	SW/S	4	df	46	95	1	5	-	-	10	10	4150	1	*
2	Shoeburyness	1015.5	0	SW/S	4	o	48	95	6	5	-	-	10	10	800	1	*
	Felixstowe	1015.4	+4	SSW	3	df	45	95	3	5	-	-	10	10	4450	1	2
	Gorleston	1014.1	+4	SW/S	3	d₀d₀	47	95	5	6	-	-	10	10	800	1	4
	Cranwell	1011.7	+2	SW	2	c	48	95	5	5	-	-	9	9	2500	1	*
3	Cardington	1013.1	0	SW/W	3	c	50	85	7	5	-	-	10	10	800	1	*
	Birmingham	1012.2	-2	SSW	3	c	47	95	6	5	-	-	9	9	1500	1	*
	Upper Heyford	1014.1	+6	SW/W	3	2	47	85	6	5	-	-	7-8	7-8	1500	1	*
	Leafield	1013.5	0	SW/S	2	c	46	95	7	5	-	-	9+	9+	2500	1	*
4	Ross-on-Wye	1012.9	0	SW	3	c	48	85	8	5	-	-	9+	9+	2500	1	*
5	Portland Bill	1015.1	0	SW	5	of	49	95	3	5	-	-	10	10	800	1	3
	Plymouth	1015.2	-2	SW	3	id₀	48	95	3	5	-	-	10	10	4150	2	2
	Falmouth	1015.2	-4	SW	5	id₀	49	95	5	5	-	-	10	10	1500	1	2
	Scilly (St. Mary's)	1013.7	-6	SW	4	f	50	95	2	5	-	-	10	10	4150	1	3
	Guernsey	1018.4	+6	SW	2	~~dd~~	51	95	5	6	-	-	10	10	1500	1	3
6	Pembroke	1011.0	-8	SSW	3	f	47	95	2	5	-	-	10	10	4150	1	3
7	Holyhead	1008.1	-24	SSW	5	c	46	95	8	5	8	3	4-6	9+	4450	1	2
	Chester (Sealand)	1009.9	-14	SE/S	2	2	44	85	6	5	7	-	2-3	7-8	4000	1	*
8	L'pool (Bidston)	1009.6	-10	SSE	3	0	48	75	8	4	-	1	~~1~~ 1+	1	4000	0	*
9	Harrogate	1009.7	0	-	0	bc	45	95	5	5	-	8	2-3+	4-6	2500	1	*
10	Spurn Head	1010.1	0	SW/S	3	c	43	95	6	5	7	-	7-8	9+	2500	0	2
	Tynemouth	1006.8	-1.2	WSW	3	bc	46	85	7	2	-	-	4-6	4-6	2500	0	2
11	Inchkeith	1003.5	-10	SW	3	c	46	85	~~8~~ 9	5	-	1	4-6	7-8	7200	0	1
	Leuchars	1003.3	-12	SW	4	c	47	75	6	5	-	8	7-8	7-8	2500	2	*
12	Renfrew	1003.7	-22	SW	3	c	47	85	7	5	1	-	9	10	1500	1	*
	Eskdalemuir	1005.9	-1.2	SW/S	4	c	41	95	6	5	-	8	9	9+	2200	1	*
13A	Tiree	996.7	-10	SW	6	c	48	85	7	5	2	-	~~9~~	~~10~~ 9+	1500	0	4
13B	Stornoway	992.0	-16	SW	4	Hr₀	42	95	6	6	-	-	10	10	4000	2	2
15	Dalwhinnie	999.5	-16	WSW	5	bc	41	85	8	5	-	-	4-6	4-6	2500	3	*
	Aberdeen	1001.6	-10	SSW	2	bc	44	85	6	5	3	-	2-3	4-6	1500	1	2
	Wick	996.5	-10	SW	4	bc	45	95	8	5	4	8	4-6	4-6	2500	0	3
16	Lerwick	993.9	+8	W/S	4	r₀i₀	43	85	7	6	-	-	10	10	1500	1	*
17	Blacksod Point	999.7	-24	S	8	Or	48	95	7	6	-	-	10	10	4150	1	7
18	Malin Head	998.6	-32	SSW	6	c48	~~46~~	95	7	5	-	9	7-8	9	1500	0	3
	Aldergrove	1003.4	-34	S/E	4	c	48	85	7	5	-	-	9	9	1500	1	*
	Donaghadee	1004.6	-18	WSW	2	c	46	85	7	5	-	-	9	9	1500	0	1
19	Birr Castle	1003.3	-26	S	2	c	50	75	8	5	-	-	9	9	2500	1	*
20	Valentia Obsy.	1003.6	-30	S	5	dd	52	95	5	5	-	-	10	10	4450	1	3
	Roches Point	1006.8	-32	SW	4	dd	48	95	6	5	-	-	10	10	800	1	4

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. (37)	Weather. 13h.–18h. (38)	Weather. 18h. to 1h. (39)	Weather. 1h.–7h. (40)
1	London (Kew)	c r b m₀ c m₀	c m₀	c m₀ c	c d₀
	Croydon	o d₀ d₀ r₀ m	o m d₀ d₀ m₀	o c m₀ d₀ d₀ q	c d₀ d d q
	S. Farnborough	o d₀ d₀ m₀	o m₀	c o m i d₀ m₀	o i d₀ d d m₀
	Winchester	o f f d₀ d₀ o m	o m₀ c m₀ d f	o d₀ f c	~~c~~ c o d m₀
	Boscombe Down	o d₀ d₀ f f o m₀	m₀	o m₀ i d₀	o i d₀ q m₀
	Calshot, S'thmtn	o d₀ d₀ m₀	o d₀ m₀ f d₀ m	o i d₀ d₀ d₀ m f	o i d₀ f m
	Dungeness	d	d	*	o
	Lympne	o d₀ d₀ f f	o d₀ d₀ f f	o d₀ F	o d₀ f
2	Shoeburyness	o m₀	o i d₀ m₀	o m₀	c i r₀
	Felixstowe	o m₀ o m d₀	o m d₀ f d d	o f d₀ d₀ o m	c
	Gorleston	o i r₀ o q	o m₀ d₀ d₀	o d₀ d₀ m₀	o m₀ c q
	Cranwell	c m₀	c m₀	c b c m₀	b c o c o d₀ d₀
3	Cardington	c m₀ d₀ c	c	c	c i r₀
	Birmingham	c	c b c c	c b c c	c o r R
	Upper Heyford	o d₀ d d m₀ c	c b c m₀	b c c m₀	c o r r m b
	Leafield	o i d₀ c	c	c	c r
4	Ross-on-Wye	c b c	c b c	c o d	r₀ o r r
5	Portland Bill	r f f f	o f f f	f r f	R f R R r₀
	Plymouth	o m₀ d₀ i d₀	o f f i d₀	o f f d d₀	o r₀ r r q
	Falmouth	o m₀ d₀	c o m₀	o m d r₀ q	o i r m b q
	Scilly (St. Mary's)	o f f e₀ o	o f f e	f m d d	o m r r c
	Guernsey	o d d f	o d d m	o d d	o i d₀ o
6	Pembroke	c b c	b c o f f	o f f i r q	o m r r c q
7	Holyhead	c	c	c / b i d₀	R
	Chester (Sealand)	c i d₀ c	c	c r	c r₀ r₀
8	L'pool (Bidston)	c p r c	b c b	c o r	o r₀ r q
9	Harrogate	r₀ c b c	b c c	b c c	c o r r
10	Spurn Head	b c c	b c c	b c p r	c p r c r
	Tynemouth	c m b c	c m b c	b c	b c o r₀ r₀
11	Inchkeith	c	b c c	b c c p r	c o r₀ r₀ r r b c
	Leuchars	c m₀ b c	b c c m₀	c b m₀ c	c r b c
12	Renfrew	c b c	b c c	c r₀ r₀	c r₀ r c
	Eskdalemuir	o f c c b c	b c c	c o r r	o r r b c
13A	Tiree	c b c c	c b c c	c R r	p r
13B	Stornoway	c, r r, o	o r r	c, o P H R	c p h r
15	Dalwhinnie	c b c	b c q c	c r r o	c f o c
	Aberdeen	b c c b c	b c r₀	b c c	c r₀ m₀
	Wick	c p r b c	b c	c r r c	c b c
16	Lerwick	c p i r₀ b c	b c o r₀ i r₀	c o r i r₀	o r r r b c p r₀
17	Blacksod Point	p r q c	i d r	p r c	p r q c
18	Malin Head	b c c	c b c c	c b c c o r r	b c c P R
	Aldergrove	b c c b c c	c	c r r	c r r c
	Donaghadee	b c c	c	c i r₀	r₀ r₀ c
19	Birr Castle	b c c	c b c c	c o r	o i r
20	Valentia Obsy.	c b c c	c i r₀ r₀ i d d	i d i r	i r p r q
	Roches Point	b c c	c i r₀ ~~d~~ d d	o d d	o d 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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

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.

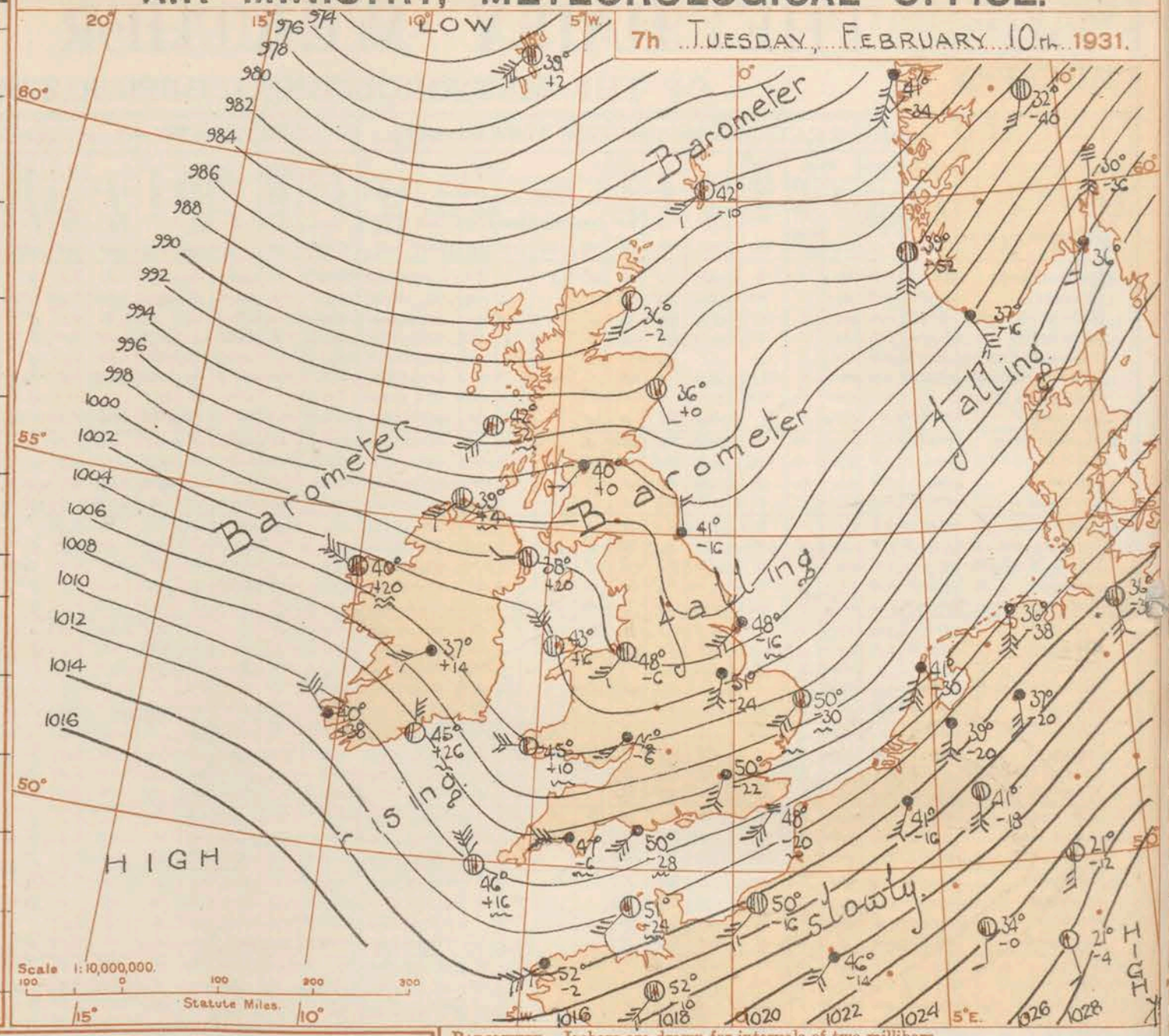
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for ...9th. February.....1931.

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 Sunset. ...9th...
1	Tunbridge W.	odo	ome	37	49	2	Tr.	0.0
	Bournemouth	o	o	44	50	5	-	0.0
	Ventnor ...	oror	dfodf	43	49	3	2	0.0
	Southsea ...	od	om	43	51	2	0.2	0.0
	Bognor Regis	oido	oido	42	48	3	0.3	0.0
	Littlehampton	odo	o	43	47	3	Tr.	0.0
	Worthing ...	odo	odo	43	48	3	Tr.	0.0
	Brighton ...	rdo	odo	43	47	2	0.3	0.0
	Eastbourne†	ddrd	dd	44	49	3	3	0.0
	Hastings† ...	dffe	dffe	42	47	1	1	0.0
	Folkestone ...	ofe	ofe	38	47	1	Tr.	0.0
	Dover... ...	orid	oid	38	47	2	1	0.0
	Deal	d	do	38	47	2	1	0.0
	Ramsgate ...	o	o	40	47	1	-	0.0
	Margate ...	c	c	39	49	1	-	0.0
2	Southend ...	o	odme	38	47	1	Tr.	0.0
	Maldon ...	o	oid	42	51	2	Tr.	0.0
	Clacton-on-Sea	ogmd	ogmd	39	44	2	0.1	0.0
	Dovercourt ...	roc	doc	39	47	2	1	0.0
	Lowestoft ...	omid	oidm	39	46	2	0.2	0.0
	Skegness ...	om	mo	36	52	1	Tr.	0.0
	Mablethorpe	om	ocm	35	52	2	-	0.0
	Cleethorpes...	bc	co	33	52	1	-	0.2
3	Leamington S.	roc	bc	43	53	0.3	-	0.2
4	Cheltenham†	oc	cbc	45	53	1	-	1.7
5	Bath	dc	c	45	53	1	0.3	0.1
	Weymouth ...	ffc	cmf	46	53	3	Tr.	0.0
	Jersey ...	red	dc	43	50	6	2	0.0
	Torquay ...	dpom	odpm	45	54	0.3	Tr.	0.3
	Penzance ...	cmc	cor	48	54	3	0.2	0.1
	St. Ives ...	p	c	48	54	1	-	1.3
	Bude	f	md	42	50	2	0.2	0.0
	Ilfracombe ...	rr	rr	46	51	4	0.3	0.8
6	Aberystwyth	cpmrc	cbcc	44	50	3	-	3.2
7	Llandudno ...	bc	bbc	46	52	Tr.	-	6.2
	Colwyn Bay...	obcb	bcebc	43	56	-	-	5.4
	Rhyl	cbc	bcb	43	55	-	-	4.0
8	Wallasey ...	ircbc	bc	40	52	1	Tr.	3.7
	Southport‖ ...	ocbc	bcb	46	50	1	-	2.5
	Blackpool ...	cbc	bcc	41	49	3	-	2.5
	Morecambe ...	rodpb	b	44	48	4	-	1.4
9	Ilkley... ...	odbc	bc	38	51	1	Tr.	0.6
10	Berwick-on-T.	oc	bc	40	51	-	-	3.2
11	Dunbar ...	cirbc	bcc	40	51	1	-	3.0
12	Douglas ...	cbbcc	cb	43	49	1	-	2.1

† 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 the wind. Number of feathers indicate Beaufort force. Calm. = ⊙
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. ▲ 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.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 10th Feb. 1931.

Districts.	Forecast
1. S.E. England 2. E. England...	Wind west or northwest, fresh or strong; cloudy; occasional rain, then showers and brighter intervals; less mild than of late.
3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Wind west or northwest, fresh or strong, gale locally; cloudy, with showers and brighter intervals; somewhat cooler than of late.
8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind west or northwest, fresh; cloudy, with showers and brighter intervals; somewhat cooler; perhaps local ground frost at night.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands. 17. N.W. Ireland 18. N.E. Ireland	Wind west or northwest, fresh or strong, gale locally; cloudy, with brighter intervals; showers, perhaps with hail or snow later; colder, perhaps night frost.
19. S.E. Ireland 20. S.W. Ireland	As 3 - 7.

GENERAL INFERENCE.

A deep depression centred northeast of Iceland is moving northeast while an associated trough of low pressure is moving eastwards across England. Westerly or northwesterly winds will prevail generally with showers or occasional rain, fairer intervals and lower temperature than of late.

FURTHER OUTLOOK.

Showers and brighter intervals at first; perhaps becoming moregenerally unsettled later.

Time of issue of Gale Warnings.

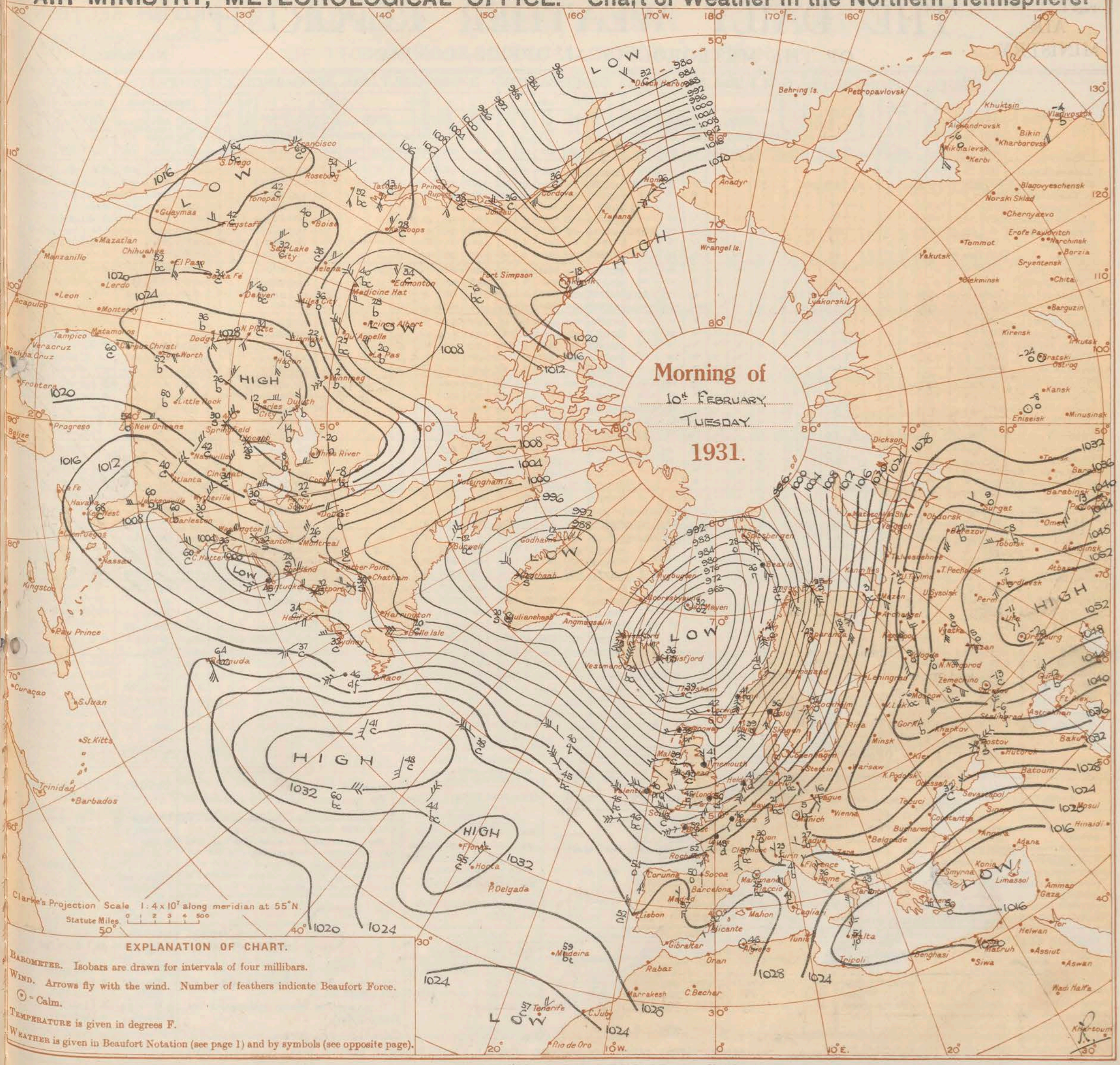
South Cone at 1345 on 7th in 17, 20; at 0840 on 9th in 13A., 13B., 15, 16; at 0250 on 10th in 5, 6 and at 0820 on 10th in 1, 2, 7, 8, 12, 18, 19.

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.



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

Tuesday 10th February 1931.

No. 25282

OBSERVATIONS at 1 hr. G.M.T. 10th 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	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1012.7	-18	S'W	5	id₀	49	95	7	5	-	-	9	9	450
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1013.0	-20	SSW	6	df	49	95	3	5	-	-	10	10	<150
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1014.8	-10	SW'S	5	dF	48	95	1	5	-	-	10	10	<150
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1010.3	-18	SW'S	4	o	50	95	6	5	-	-	10	10	1500
	Cranwell ...	240	1005.9	-18	SSW	6	bc	50	85	6	5	-	-	4-6	4-6	2500
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	1012.0	-10	SW	6	dF	50	95	1	5	-	-	10	10	<150
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1012.0	-12	SW	7	r₀f₀	51	95	6	6	-	-	10	10	2500
	Scilly (St. Mary's)	163	1010.3	-22	SW'W	6	d₀d₀	51	95	5	5	-	-	10	10	800
	Guernsey ...	175	1016.7	-8	SW	2	d₀d₀	50	95	5	6	-	-	10	10	1500
6	Pembroke ...	142	1004.9	-26	SW	5	rr	50	95	4	6	-	-	10	10	800
7	Holyhead ...	26	1002.3	-18	SW	5	o	49	95	5	5	-	-	10	10	450
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1004.2	-20	SW'S	6	c/pr	47	95	7	3	2	-	2-3	7-8	4000
	Tynemouth ...	67	998.5	-40	SW	3	bc	46	85	7	5	-	-	4-6	4-6	1500
11	Inchkeith ...	190	994.6	-34	SSW	4	c	47	85	8	5	2	-	2-3	7-8	4000
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	989.2	-2	SW	5	o/p(r)	39	85	6	6	-	-	10	10	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	990.5	-6	SSW	5	c	38	95	8	8	-	-	10	10	1500
16	Lerwick ...	54	987.5	-16	W'S	3	r₀r₀	42	85	7	6	-	-	10	10	1500
17	Blacksod Point	18	999.6	-4	N	2	c	39	95	7	9	-	-	7-8	7-8	220
18	Malin Head ...	52	996.7	-10	SW'S	3	c/r	38	95	7	6	-	-	9+	9+	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1001.3	0	SW	7	ir	47	95	7	3	-	-	10	10	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 10th February — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)	Temp. Max. Day 7h-18h °F. (31)	Temp. Min. Night 18h-7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 9th Hrs. (36)
London (Kew)	1006.2	-28	SSW	6	u	51	95	7	6	2	-	7-8	10	800	1	*	53	50	49	0.3	Tr.	0.0
Croydon	1007.6	-22	SSW	6	dd	50	95	6	6	-	-	10	10	450	1	*	51	49	47	0.3	0.2	0.0
S. Farnborough	1006.7	-22	SW	5	dd	60	95	5	6	-	-	10	10	450	1	*	52	49	47	0.1	0.3	0.0
Winchester	1006.1	-30	SW	6	dd	50	95	6	6	-	-	10	10	220	1	*	52	48	47	0.3	1	0.0
Boscombe Down	1005.6	-38	SW	5	id₀	51	96	6	6	-	-	10	10	450	1	*	51	47	48	0.2	0.2	-
Calshot, (S'thmtn)	1007.6	-28	SSW	7	dm	49	96	4	5	-	-	10	10	450	1	3	50	46	46	1	2	0.0
Dungeness	*	*	SW	6	c	*	*	7	8	-	*	9	9	800	*	4	47	46	*	0.6	1	*
Lympne	1009.8	-20	SW	6	f-	48	95	2	5	-	-	10	10	<150	1	*	46	46	46	0.4	2	0.0
Shoeburyness	1007.2	-30	SSW	6	ir₀	49	96	7	5	2	-	4-6	7-8	450	1	*	49	45	45	0.1	Tr.	0.0
Felixstowe	1007.1	-26	SW	5	c	48	96	7	5	1	-	7-8	9+	800	1	4	45	43	43	0.3	Tr.	0.0
Gorleston	1004.3	-30	SW	6	c	60	95	6	8	3	-	4-6	9	2600	1	4	49	46	44	Tr.	0.2	0.0
Cranwell	1000.3	-24	SSW	5	d₀d₀	51	96	6	6	-	-	10	10	450	1	*	52	45	41	-	1	0.0
Cardington	1003.6	-30	SW	6	ir₀	52	85	7	5	-	-	10	10	800	1	*	52	47	46	Tr.	Tr.	0.0
Birmingham	1002.7	-8	W	4	RR	47	85	6	6	-	-	10	10	1500	1	*	52	45	42	-	7	1.1
Upper Heyford	1003.2	-32	SW	5	rr	50	95	5	6	-	-	10	10	450	1	*	50	46	44	0.2	1	-
Leafield	1002.8	-26	SSW	5	rr	50	95	6	6	-	-	10	10	800	1	*	49	45	43	0.2	1	0.0
Ross-on-Wye	1004.0	-6	WSW	3	rr	46	95	8	6	-	-	10	10	1500	1	*	55	46	44	-	4	3.9
Portland Bill	1006.8	-28	SW	6	RR	50	96	6	5	-	-	10	10	1500	2	4	49	47	*	0.5	1	*
Plymouth	1008.2	-6	W	4	rr	47	95	6	6	-	-	10	10	800	2	4	51	47	47	0.2	4	0.0
Falmouth	1009.3	-8	W	6	o/r	48	96	7	5	-	-	10	10	4000	2	3	52	48	*	0.1	3	0.2
Scilly (St. Mary's)	1010.4	+16	NWW	7	c/r	46	95	8	5	-	-	9+	9+	4000	1	4	51	45	*	1	5	0.0
Guernsey	1011.4	-24	SW	4	o	51	96	7	5	-	-	10	10	1500	1	4	52	50	47	1	2	0.0
Pembroke	1004.0	+10	W	5	q	45	96	7	6	2	-	7-8	9+	800	1	4	51	45	*	-	10	3.6
Holyhead	1002.4	+16	WNW	6	c	43	75	8	5	-	-	9	9	4000	1	3	51	43	40	-	6	6.4
Chester (Sealand)	1000.1	-6	SWW	4	c/r	48	75	7	6	2	-	4-6	10	2500	1	*	57	44	40	Tr.	6	2.9
L'pool (Bidston)	999.2	-2	WSW	5	r₀r₀	46	86	8	6	-	-	10	10	1500	1	*	50	45	41	0.2	3	3.1
Harrogate	998.3	-10	SSW	5	ir₀	44	95	8	6	2	-	2-3	10	2500	1	*	51	43	37	0.1	8	1.3
Spurn Head	998.6	-16	SW	5	rr	48	95	6	6	2	-	7-8	10	2500	1	4	52	43	*	-	1	0.4
Tynemouth	997.2	-16	N	2	r₀r₀	41	95	8	6	-	-	10	10	1500	1	2	52	41	36	-	3	*
Inchkeith	995.6	0	WSW	3	c	37	95	8	5	4	-	4-6	7-8	5700	0	1	48	36	35	-	2	2.1
Leuchars	996.2	+2	WSW	4	bc	36	96	8	5	3	-	2-3	4-6	4000	2	*	49	36	34	-	1	2.5
Renfrew	996.8	0	SW	1	ir₀	40	85	7	5	-	-	10	10	1500	1	*	51	37	34	-	5	2.5
Eskdalemuir	997.5	+16	W	2	c	36	95	8	5	-	-	7-8	7-8	1500	1	*	46	35	30	Tr.	9	0.9
Tiree	993.7	-2	W'S	6	c	42	75	8	4	3	8	1	7-8	1500	1	4	49	40	36	-	6	3.2
Stornoway	989.6	+4	WSW	2	pr	38	95	7	6	-	-	9+	9+	4000	2	2	49	37	*	7	6	1.2
Dalwhinnie	994.0	-2	SW	3	ps	33	95	7	5	-	-	9	9	1500	7	*	45	32	*	-	9	3.5
Aberdeen	992.9	0	SE	1	c	36	95	7	5	-	-	9	9	2500	1	2	50	36	32	-	1	2.5
Wick	989.0	-2	SSW	3	bc	36	95	8	5	-	8	2-3	4-6	2600	0	3	48	36	*	0.2	0.1	*
Lerwick	985.2	-10	W'S	4	bc	42	75	7	8	-	-	4-6	4-6	1500	1	*	47	38	*	1	3	5.9
Blacksod Point	1002.3	+20	WNW	8	c	40	75	7	9	-	-	7-8	7-8	800	1	7	52	36	*	2	14	*
Malin Head	996.7	+10	WSW	4	c/pr	39	95	7	9	7	-	4-6	10	1500	1	4	50	37	*	-	10	2.7
Aldergrove	999.7	+4	S'W	3	ir₀	37	96	7	6	-	-	10	10	800	1	*	48	35	32	-	5	0.0
Donaghadee	999.3	+20	W	1	c	38	95	7	5	-	-	7-8	7-8	1500	1	1	49	37	*	-	5	*
Birr Castle	1004.4	+14	WSW	4	rr	37	96	6	6	-	-	10	10	2500	1	*	54	37	33	-	2	1.6
Valentia Obsy.†	1010.2	+38	WN	5	bc/pr	40	75	8	8	-	-	4-6	4-6	2500	1	*	53	38	36	2	3	1.7
Roches Point	1008.4	+26	N	3	bc	45	96	8	3	-	-	2-3	2-3	1500	1	4	51	40	*	2	4	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temp. Day Max. °F.	Temp. Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h. (To-day)
Kew ...	18	crbmcm₀	cm₀	cmcd₀	53	50	49	0.3	Tr.	0.0	•	•	6
Croydon ...	217	odd₀cm	omd₀dm₀	ocmdd₀	51	49	47	0.3	0.2	0.0	•	•	5
Greenwich (Royal Observatory) ...	149	cd₀	cd₀	cd	52	49	46	Tr.	0.3	0.0	96	95	5
City (Bunhill Row) ...	—	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	52	49	48	/	•	0.0	89	97	•
Regents Pk. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	•	0.0	•	•	•
Camden Square ...	110	o	oco	•	51	49	48	-	2	•	•	95	•
Kensington Palace ...	80	o	o	•	53	50	46	-	1	•	At 18h. 89	96	•
Hampstead Observatory ...	450	om om	om odm	•	51	46	43	0.3	1	0.0	•	97	•

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

	Max.	Time.	Min.	Time.
South Kensington.	1.0	14h 9th	<0.3	23h 9th – 7h 10th
Kew Observatory.	0.2	16h 9th	<0.1	0-3h 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.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris ...	1022.7	SW	2	o	46	1018.9	SW	1	id₀	46	46	45	Tr.	Tr.
Brussels ...	1020.7	SSW	4	c	37	1014.7	SSW	4	d₀d₀	41	39	37	0.1	0.2
Berlin ...	1027.0	SSE	2	m	28	1021.0	SSE	2	z	23	28	19	-	-
Zürich ...														
Rome ...						1025.9	NNE	4	b	36		32		-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.
- 0 Calm.
- 1 Smooth.
- 2 Slight.
- 3 Moderate.
- 4 Rough.
- 5 Very rough.
- 6 High.
- 7 Very high.
- 8 Precipitous.
- 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

ON
931.

Sun-shine Hrs. (36)
0.0
0.0
0.0
0.0
-
0.0
*
0.0
0.0
0.0
0.0
0.0
0.0
1.1
-
0.0
3.9
*
0.0
0.2
0.0
0.0
3.6
6.4
2.9
3.1
1.3
0.4
*
2.1
2.5
2.5
0.9
3.2
1.2
3.5
2.5
*
5.9
*
2.7
0.0
*
1.6
1.7
*

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Wednesday 11th February 1931.
No. 25283

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)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1009.9	+32	W'N	5	c	47	55	8	4	3	-	2-3	9+	1500
	Croydon ...	1010.2	+32	WSW	5	z	47	65	6	8	7	-	4-6	9	1500
	S. Farnborough	1010.4	+34	W	5	c	46	65	8	5	8	-	9+	9+	1500
	Winchester ...	1012.2	+46	WNW	7	bc	46	55	8	1	-	9	4-6	4-6	1500
	Boscombe Down	1012.4	+40	WNW	6	q	44	65	8	1	3	-	9	9+	4000
	Calshot, S'thmtn	1012.1	+36	W	6	bc	47	65	8	5	4	-	2-3	4-6	2500
	Dungeness ...	*	*	WSW	6	c	*	*	7	8	2	*	7-8	10	2500
	Lympne ...	1008.7	+14	W	5	c/r	47	95	8	8	2	-	7-8	10	1500
2	Shoeburyness	1007.9	+10	NW	6	bc	49	65	8	7	6	-	4-6	4-6	4000
	Felixstowe ...	1006.6	+22	SW'W	5	c	48	85	7	5	1	-	4-6	9	800
	Gorleston ...	1003.4	+14	WSW	4	c	46	95	6	6	-	-	9	9	2500
	Cranwell ...	1003.8	+26	W'S	6	bc	45	65	7	8	-	-	4-6	4-6	1500
3	Cardington ...	1007.5	+30	W	6	c	45	55	9	7	3	-	7-8	7-8	2500
	Birmingham ...	1007.5	+28	WNW	6	c	42	65	8	1	-	-	7-8	7-8	2500
	Upper Heyford	1009.7	+42	W	6	q	46	65	8	7	3	-	4-6	4-6	2500
	Leafield ...	1009.1	+36	W	7	bc	44	55	9	7	3	-	2-3	2-3	2500
4	Ross-on-Wye ...	1010.3	+24	WNW	6	q	45	55	9	8	-	1	4-6	4-6	2500
5	Portland Bill...	1013.5	+48	W'N	7	bc	48	95	8	3	-	-	4-6	4-6	2500
	Plymouth ...	1016.9	+34	NW'W	6	bc	47	65	8	9	-	-	4-6	4-6	2500
	Falmouth ...	1018.2	+24	W	8	bc	47	55	8	1	-	1	4-6	4-6	4000
	Scilly (St. Mary's)	1019.0	+30	WNW	8	pr	46	75	8	3	-	-	4-6	4-6	4000
	Guernsey ...	1017.4	+46	WNW	4	bc	50	85	7	8	-	-	4-6	4-6	2500
6	Pembroke ...	1012.6	+20	W	7	bc	43	75	8	7	-	-	4-6	4-6	2500
7	Holyhead ...	1008.7	+38	W'N	6	q	43	75	8	5	-	3	4-6	9+	1500
	Chester (Sealand)	1006.7	+26	W'N	7	pr	43	75	8	8	-	8	7-8	9	1500
8	L'pool (Bidston)	1005.7	+16	W	7	PR	37	95	8	6	-	-	9	9	1500
9	Harrogate ...	1001.4	+26	SW	5	pr	41	85	8	6	-	-	9	9	2500
10	Spurn Head ...	1001.6	+6	WNW	6	q	43	85	7	3	3	-	2-3	7-8	4000
	Tynemouth ...	1000.4	+10	W	4	c	42	75	7	8	-	-	7-8	7-8	2500
11	Inchkeith ...	997.4	+4	WSW	4	c	39	85	6	5	2	-	2-3	9+	800
	Leuchars ...	997.0	+14	WSW	5	c	41	75	8	7	-	3	Tr	7-8	2500
12	Renfrew ...	1001.4	+34	WNW	2	c	40	85	8	9	-	1	9	9+	1500
	Eskdalemuir ...	999.8	+16	WNW	5	c/ps	38	85	8	5	-	-	9+	9+	1500
13A	Tiree ...	1000.5	+38	W'S	4	c	43	55	9	3	9	3	2-3	7-8	1500
13B	Stornoway ...	994.7	+14	WNW	5	c	44	65	8	4	6	-	4-6	7-8	4000
15	Dalwhinnie ...	998.0	+18	WNW	2	c	35	75	8	5	1	-	4-6	7-8	2500
	Aberdeen ...	995.8	+16	WNW	3	c	43	65	8	7	4	3	4-6	7-8	2500
	Wick ...	992.9	+16	WSW	3	ph	39	85	8	8	1	-	4-6	7-8	1500
16	Lerwick ...	986.6	+14	W'S	3	c	44	65	7	5	2	-	7-8	7-8	1500
17	Blacksod Point	1009.6	+38	WNW	7	PH(R)	41	85	7	9	-	-	7-8	7-8	800
18	Malin Head ...	1004.3	+40	WNW	4	ph(r)	37	95	7	9	-	-	9+	9+	1500
	Aldergrove ...	1006.4	+38	SW'W	4	c/p	38	55	8	9	4	5	7-8	9+	1500
	Donaghadee ...	1004.7	+44	WSW	4	bc	44	75	8	6	-	-	4-6	4-6	1500
19	Birr Castle ...	1011.8	+34	WNW	3	rs₀	42	65	7	9	-	-	9	9	2500
20	Valentia Obsy.	1017.1	+26	W'N	6	c	45	65	8	6	-	-	7-8	7-8	2600
	Roches Point...	1015.5	+20	NW	5	bc	44	75	8	3	-	-	4-6	4-6	1500

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

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)
London (Kew)	1016.1	+40	W	3	b	42	65	7	-	-	-	0	0	-
Croydon	1016.1	+34	WSW	4	z	41	65	6	-	-	-	0	0	-
S. Farnborough	1016.6	+42	W	4	b	41	65	8	-	-	1	0	Tr	-
Winchester	1018.0	+36	W'N	4	b	40	75	8	1	-	-	1	1	4000
Boscombe Down	1018.0	+30	W'N	5	b	40	75	8	3	-	-	1	1	4000
Calshot, S'thmtn	1018.6	+34	W	5	q	42	65	8	3	-	-	1	1	4000
Dungeness	*	*	W	5	bc	*	*	7	2	-	*	2-3	2-3	2500
Lympne	1015.4	+30	W'S	5	q	41	65	8	-	-	-	0	0	-
Shoeburyness	1014.9	+50	WNW	5	b	42	65	8	4	-	-	Tr	Tr	4000
Felixstowe	1013.6	+46	W	5	bc	43	75	8	5	-	-	4-6	4-6	4000
Gorleston	1009.3	+30	W'N	5	bc	42	75	6	1	1	-	2-3	4-6	2500
Cranwell	1011.9	+50	W'N	5	c	40	75	6	5	-	-	7-8	7-8	1500
Cardington	1013.5	+40	W'N	5	bc	41	65	8	7	-	-	2-3	2-3	2500
Birmingham	1015.1	+36	WNW	5	bc	39	65	8	5	-	-	2-3	2-3	4000
Upper Heyford	1015.8	+42	W	5	q	39	65	8	8	-	-	2-3	2-3	2500
Leafield	1016.1	+34	W	5	b	38	65	9	7	-	-	1	1	4000
Ross-on-Wye	1015.9	+36	W'S	4	b	41	65	8	3	-	-	1	1	4000
Portland Bill	1018.8	+30	W'N	7	bc	45	65	8	8	-	-	4-6	4-6	2500
Plymouth	1021.4	+20	W	5	pr	45	75	8	3	-	-	9	9	2500
Falmouth	1022.1	+20	W	6	bc/ph	45	75	8	3	-	-	4-6	4-6	4000
Scilly (St. Mary's)	1023.6	+20	WNW	8	bc	44	75	8	2	-	-	2-3	2-3	4000
Guernsey	1021.8	+40	WNW	5	bc	45	65	8	5	-	-	4-6	4-6	2500
Pembroke	1015.6	+24	W	5	pr	44	75	8	8	-	-	7-8	7-8	1500
Holyhead	1013.7	+30	W'N	6	u	43	65	8	8	-	1	2-3	2-3	2500
Chester (Sealand)	1013.4	+38	W	4	b	41	75	8	3	-	-	1	1	4000
L'pool (Bidston)	1012.3	+36	W	6	bc	41	65	8	8	-	-	4-6	4-6	2500
Harrogate	1008.8	+54	SW	4	b	38	85	7	6	-	-	Tr	Tr	2500
Spurn Head	1007.6	+18	WNW	7	q	41	86	6	2	1	1	2-3	4-6	4000
Tynemouth	1005.7	+40	WNW	4	bc	39	55	7	2	-	-	4-6	4-6	2500
Inchkeith	1004.4	+36	WSW	4	c	39	85	7	5	9	-	2-3	7-8	800
Leuchars	1004.0	+42	WSW	5	c	38	70	8	3	6	3	4-6	7-8	4000
Renfrew	1006.5	+30	WSW	3	bc	39	85	7	8	-	-	4-6	4-6	2500
Eskdalemuir	1007.3	+46	WNW	5	c	36	85	8	5	-	-	9+	9+	1500
Tiree	1003.9	+16	W'S	7	c/p	40	70	8	8	-	3	4-6	7-8	1500
Stornoway	997.1	+10	WNW	3	bc	36	85	8	3	-	-	2-3	2-3	4000
Dalwhinnie	1001.8	+16	WSW	4	bc	33	85	8	5	-	-	4-6	4-6	1500
Aberdeen	1000.7	+32	WSW	3	bc	39	65	8	5	3	3	2-3	2-3	2500
Wick	995.5	+10	WSW	3	bc	35	95	8	8	6	1	2-3	4-6	1500
Lerwick	987.6	+10	W'S	4	ph(r)	40	65	7	8	-	-	4-6	4-6	1500
Blacksod Point	1013.8	+20	WNW	7	q	44	65	8	9	-	-	9	9	450
Malin Head	1007.8	+16	WNW	6	ph(r)	41	85	7	9	-	-	7-8	7-8	1500
Aldergrove	1011.5	+28	SW'W	4	prs	36	95	8	9	-	3	4-6	4-6	1500
Donaghadee	1010.4	+28	W	3	bc	38	85	7	7	-	9	1	2-3	4000
Birr Castle	1016.8	+32	SW	2	c	40	85	8	8	-	-	7-8	7-8	2500
Valentia Obsy.	1021.6	+24	W	4	bc/pr	43	75	8	8	-	-	4-6	4-6	2500
Roches Point	1020.4	+22	NW	4	bc	42	85	8	3	-	-	2-3	2-3	1500

PAST 24 HOURS.

Stations	State of Ground 0-9 (29)	Sea 0-9 (30)	Weather 7h.–13h. 10th (37)	Weather 13h.–18h. 10th (38)	Weather 18h. 10th to 1h. 11th (39)	Weather 1h.–7h. 11th (40)
London (Kew)	1	*	crrcy	cbcby	b	bxcx
Croydon	1	*	oddrrRcaq	c3qybcb	bm₀b	bbowz₀
S. Farnborough	1	*	oddRr₀cv	cvcyb	bbx	bxcx
Winchester	1	*	ddm₀RRrbcy	bcyjpby	bbcprb	bbcc
Boscombe Down	1	*	oRid₀cq	cpr₀cqbq	b, cpr, b	b, c
Calshot, S'thmtn	1	2	oidmddrrm₀ cbcq	bcPrhqbcb	bbw	bwbcc
Dungeness	*	4	r	bc	*	b
Lympne	1	*	ofqr₀r₀c	bq	b	bwxc
Shoeburyness	0	*	cirr₀rbcq	bcqvb	b	bbc
Felixstowe	1	4	cir₀crrq	bcqv	bcqb	bbc
Gorleston	1	3	or₀rrq	cprq	bcbq	bbcq
Cranwell	1	*	orrirm₀bc	bccqprbc	cz₀bm₀	bm₀cm₀
Cardington	1	*	crRqr₀bcq	bcq	bcbx	bxc
Birmingham	1	*	oRc	bcb	b	bbc
Upper Heyford	1	*	oRrcbcq	bcqip	bqb	bbccx
Leafield	1	*	rciprbc	bc	b	bccx
Ross-on-Wye	1	*	r₀ccbcq	bcqy	b	bbcb
Portland Bill	1	4	Rcbc	bcipbc	cbc	bcc
Plymouth	1	3	orrcbcq	cqPRHb	cprbc	bcc
Falmouth	1	3	cbcq	bcphr	bcPHq	bcphq
Scilly (St. Mary's)	1	4	cbcqp	cpbcq	bcqp	bccqp
Guernsey	1	4	oirbc	bc	cprbc	bccpr
Pembroke	1	4	bcphq	bccpq	cbcq	bcpq
Holyhead	1	4	cpr₀cq	cqbcu	bq	bbc
Chester (Sealand)	1	*	ir₀bcpr₀q	pr₀qbc	b	bcc
L'pool (Bidston)	0	*	cfrq	cq₀q	bcbc	bbcb
Harrogate	1	*	bcef	cbp	bbcp₀	bbcp₀q
Spurn Head	0	5	crcq	cqbc	bcq	bcq
Tynemouth	0	2	or₀r₀q	cbcq	bcq	bc
Inchkeith	0	3	cir₀	c	cbcpr	bccpr
Leuchars	2	*	ccm₀bc	bccq	cbbcq	bcprq
Renfrew	1	*	cr₀rcprc	cprbc	pr₀bc	bccr
Eskdalemuir	1	*	bccprs	cprs₀	bcprsw	bccr₀
Tiree	1	4	[illegible]	cphr	cphrQbc	PHRq
Stornoway	2	2	cPRqpr₀Q	cphrbc	bcPH	bcprh
Dalwhinnie	7		psc	bcpsc	csso	cpsc
Aberdeen	1	1	cbc	bc	bx	bbcx
Wick	1	2	bccph	cphbcprs	bc	bcpr₀
Lerwick	1	*	bcphs	cbcphr	bcpr₀	bcpr₀
Blacksod Point	0	7	phrsq	prhqc	prhq	prhq
Malin Head	1	4	cphr	cphr	cphr₀uqc	cirm₀
Aldergrove	1	*	cr₀rrcrh₀c	cprsbcbpis	bcrsb	bccpr₀
Donaghadee	0	2	cir₀c	bc	bbc	bcc
Birr Castle	1	*	cr₀ccbccrs	cprshrsbc	cpr	cpr
Valentia Obsy.	1	4	cPrbcph₀	cph₀bcpr	bcprqbc	prqir
Roches Point	0	3	bc	bcprphqbc	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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus,
R, heavy rain. r₀, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, solar halo. ⋓, lunar halo.

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.

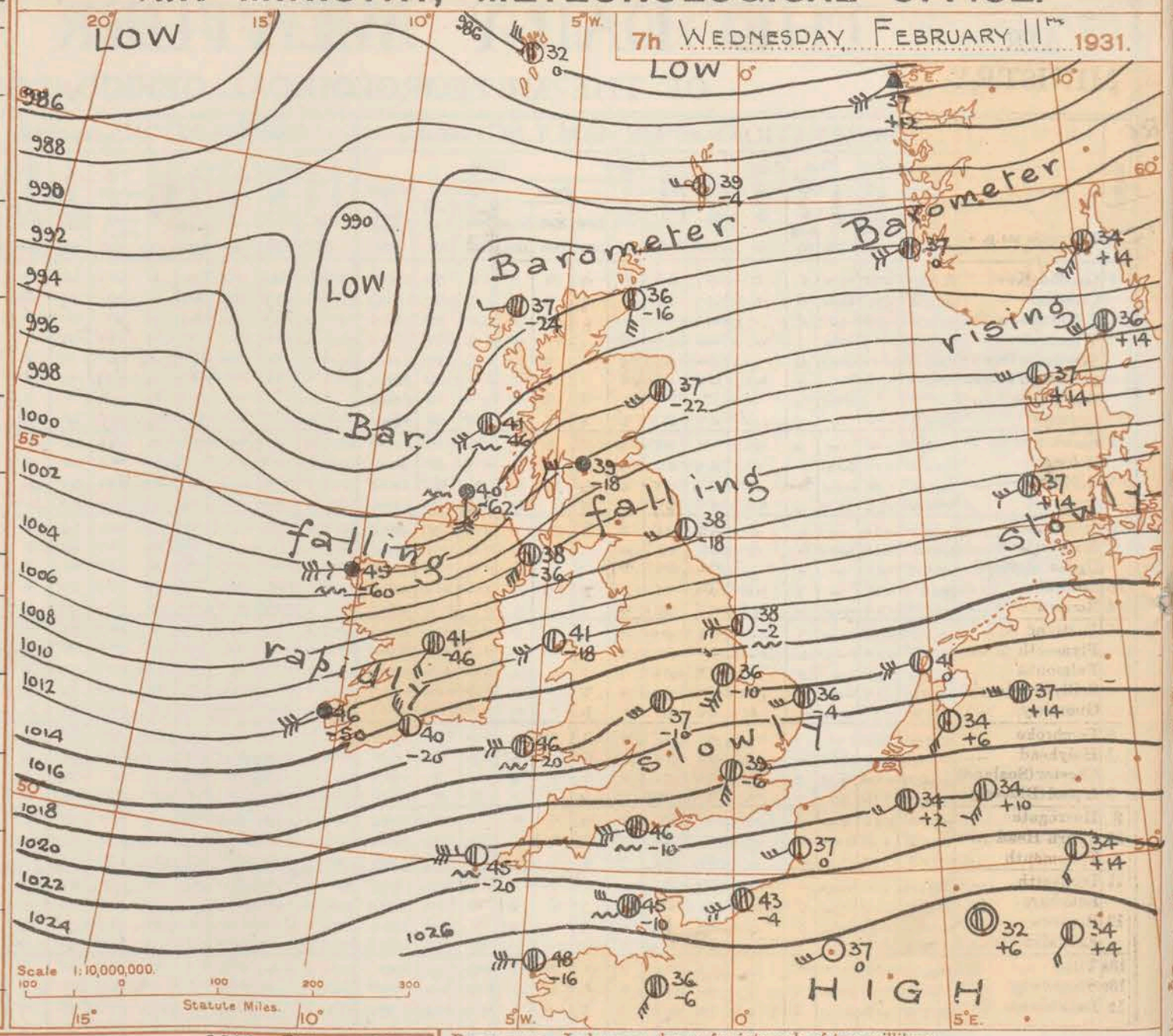
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 10th February 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	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 Sunset. 10th.
1	Tunbridge W.	oro	cbcb	46	50	4	4	3·6
	Bournemouth	odod	b	44	50	5	1	4·5
	Ventnor ...	orfe	cb	46	49	3	4	4·6
	Southsea ...	oroc	cbqhb	48	50	3	1	3·3
	Bognor Regis	ddoc	bcprb	46	49	2	2	3·0
	Littlehampton	oroc	cbcb	45	49	2	2	3·1
	Worthing ...	or	bc	46	49	3	2	3.4
	Brighton ...	bocbc	bc	41	49	2	2	3·8
	Eastbourne†	dro	ocbcb	50	50	1	2	3·4
	Hastings† ...	oroc	bcb	46	49	2	2	3·2
	Folkestone ...	rodmo	cbcb	44	50	1	2	2·6
	Dover... ...	oirdc	cb	44	50	2	2	2·6
	Deal	doro	cb	44	51	2	3	2·5
	Ramsgate ...	oerr	cbc	44	50	0·3	3	2·4
	Margate ...	cdr	bc	45	51	0·2	5	2·3
2	Southend ...	orq	cbcb	44	49	Trace	2	2·5
	Maldon ...	orc	bbc	47	50	Trace	2	2·9
	Clacton-on-Sea	ogqrc	cbc	42	48	Trace	2	3·1
	Dovercourt ...	roc	rbc	44	50	Trace	2	1·5
	Lowestoft ...	oprgc	cbcc	43	49	0·3	4	2·3
	Skegness ...	robc	bcom.	42	48	3	2	2·8
	Mablethorpe	oir	oirq	45	47	3	0.5	1·9
	Cleethorpes ...	or	oRcb	45	47	5	2	3·1
3	Leamington S.	ocbc	bcc	45	46	8	-	3.7
4	Cheltenham†	cpbc	bcb	45	54	6	Trace	5.6
5	Bath	cbcb	bcphr	47	48	6	0·3	4.7
	Weymouth ...	rcb	b	47	49	4	0.1	4·8
	Jersey ...	pcr	bbc	47	50	1	3	5.0
	Torquay ...	orpeqp	bcq.Po	48	49	5	0·1	5.6
	Penzance ...	cb	bpr	45	49	7	0·3	6·1
	St. Ives ...	c	c	46	47	9	-	4·2
	Bude	gcbcp	prbbc	45	46	7	0·2	5.4
	Ilfracombe ...	ocbc	bbc	45	46	15	-	4.4
6	Aberystwyth	orrbc	bc	42	44	15	-	5.0
7	Llandudno ...	cir.	chc	42	44	9	0·3	1·6
	Colwyn Bay...	bcrho	ohbcb	41	45	5	2	2·8
	Rhyl	bccpr	cbcph	42	45	4	1	3.7
8	Wallasey ...	cir	ircbc	41	44	4	3	2·2
	Southport‖ ...	ocophro	ocbcb	42	44	7	0.4	1·5
	Blackpool ...	orcq	cpc	42	44	8	0·3	1·8
	Morecambe ...	rrcrb	dbc	40	43	14	2	1·3
9	Ilkley... ...	ocpbc	phbc	42	44	11	2	0.5
10	Berwick-on-T.	bcc	bc	37	43	3	-	1·4
11	Dunbar ...	crc	bcm.	37	42	1	-	2·6
12	Douglas ...	cbcir	cbbcq	38	42	1	1	2·6

† 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 the wind. Number of feathers indicate Beaufort force. Calm. = ⊙
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :—
○ Clear sky. ◐ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◑ Sky 7/10 to 9/10 clouded. ● Overcast sky.
● Rain falling. ✱ Snow. ▲ 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.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 11th Feb., 1931.

Districts.	Forecasts
1. S.E. England 2. E. England... 3. E. Midlands	Strong winds between south and west, reaching gale force locally; cloudy, some rain; rather low or moderate temperature.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Strong or gale force winds between south and west; some rain followed by squally showers and brighter intervals; rather low temperature.
10. N.E. England 11. S.E. Scotland	As 1 - 3.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands. 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Strong or gale force winds from a westerly or southwesterly point; rain at times and squally showers but brighter intervals; rather low temperature.

GENERAL INFERENCE.

Secondaries to a deep and complex low pressure area near Iceland will cross the British Isles and cause unsettled weather with strong winds and some rain generally.

FURTHER OUTLOOK.

Unsettled.

Time of issue of Gale Warning.

South cone at 0800 on 11th in districts 1,2,5,6,7,8,10,11,12,13,15,16,17,18,19, 20.

Forecasts issued at 0930 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2 Pd. 2499/2/49. m. 26. D.602K. 6p. 508. 25280. 2/31.

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).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 11th February 1931.

No. 25283

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)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1021.3	+20	WSW	4	b	37	85	7	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1022.7	+14	SWW	3	b	36	85	8	-	-	-	0	0	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1021.4	+14	WS	4	b	34	85	8	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1016.6	+36	W	3	b	36	85	7	-	-	-	0	0	-
	Cranwell ...	240	1016.5	+10	WS	5	b	35	86	6	-	3	-	0	Tr.	-
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	1022.9	+14	W	5	bc	45	65	8	4	-	-	2.3	2.3	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1026.2	0	W	4	bc	43	85	8	3	-	-	4.6	4.6	4000
	Scilly (St. Mary's)	163	1026.7	+10	WN	6	bc	44	85	8	2	-	-	2.3	2.3	4000
	Guernsey ...	175	1025.4	+1.0	WNW	3	bc	45	75	7	5	-	-	4.6	4.6	2500
6	Pembroke ...	142	1020.9	+4	W	5	q	45	~~95~~ 75	8	1	8	-	2.3	4.6	4000
7	Holyhead ...	26	1016.1	+2	WS	6	q	42	75	7	5	-	-	2.3	2.3	2600
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1013.4	+2	WN	6	bc	40	85	7	-	2	-	0	4.6	-
	Tynemouth ...	67	1010.5	+8	W	4	bc	40	85	7	2	-	-	4.6	4.6	2500
11	Inchkeith ...	190	1005.7	+8	WSW	5	bc	39	85	8	5	-	-	2.3	2.3	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	998.9	+6	WNW	3	bc	38	95	7	9	-	-	4.6	4.6	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	991.9	+4	WSW	3	bc	35	85	8	3	-	-	2.3	2.3	1500
16	Lerwick ...	54	990.6	+12	WS	2	oc	38	85	7	5	-	-	2.3	2.3	1500
17	Blacksod Point	18	1013.1	-4	W	8	q	44	75	6	9	-	-	10	10	<150
18	Malin Head ...	52	1003.1	-4	W	6	PH(R)	44	95	7	9	-	-	9+	9+	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1019.9	-11	SW	6	c	45	85	7	3	-	-	10	10	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	1020.0	-14	SW	2	c	36	85	8	-	2	8	0	9+	-	1	*
Croydon	1020.4	-6	SSW	3	c	39	85	6	-	2	5	0	7-8	-	1	*
S. Farnborough	1019.8	-12	SW	4	c	38	85	8	-	2	-	0	9+	-	1	*
Winchester	1020.8	-10	SWS	2	o	36	95	7	5	1	-	9	10	4000	1	*
Boscombe Down	1020.6	-8	SW	3	c	37	95	7	5	2	-	1	10	2500	1	*
Calshot, (S'thmtn)	1021.4	-12	SWW	4	c	41	85	8	5	7	-	4.6	7.8	2500	0	1
Dungeness	*	*	W	4	bc	*	*	7	5	1	*	2.3	4.6	4000	*	3
Lympne	1021.2	-6	WSW	4	c	33	95	8	4	3	6	1	7.8	5700	1	*
Shoeburyness	1019.8	-6	SW	4	c	37	95	7	8	8	5	4.6	7.8	4000	0	*
Felixstowe	1019.4	-8	SWS	3	c	36	95	7	-	1	2	0	7.8	-	0	2
Gorleston	1017.6	-4	WSW	3	c	36	85	7	4	2	-	4.6	7.8	4000	0	2
Cranwell	1015.1	-10	SW	5	c	36	85	6	-	7	-	0	9	-	1	*
Cardington	1018.1	-12	SWW	4	c	36	85	7	5	-	-	9+	9+	4000	4	*
Birmingham	1016.8	-10	SW	3	c	37	85	8	-	1	6	0	7-8	-	1	*
Upper Heyford	1018.5	-18	SW	4	c	36	95	7	5	1	-	4.6	10	1500	1	*
Leafield	1018.0	-14	SWS	4	c	34	95	8	5	1	-	4.6	10	4000	4	*
Ross-on-Wye	1017.6	-14	WSW	3	bc	40	85	8	1	1	1	2.3	2.3	4000	1	*
Portland Bill	1020.8	-10	WSW	6	c	46	75	8	4	7	-	4.6	7.8	2500	1	4
Plymouth	1022.0	-18	NW	3	cjp	44	86	7	9	·3	-	7.8	7.8	1500	1	3
Falmouth	1022.6	-20	WSW	5	bc	45	75	8	8	3	-	4.6	4.6	4000	1	2
Scilly (St. Mary's)	1022.5	-20	W	7	bc	45	85	8	2	4	1	2.3	4.6	4000	1	4
Guernsey	1024.5	-10	WNW	3	o	45	75	7	9	-	-	10	10	2500	1	4
Pembroke	1015.8	-20	W	5	c/pr	46	85	8	8	6	-	7.8	9	1500	1	4
Holyhead	1013.2	-18	SWW	5	bc	41	85	8	5	3	3	2.3	4.6	1500	1	2
Chester (Sealand)	1014.4	-16	SSW	1	c	41	75	8	5	-	-	7.8	7.8	1500	0	*
L'pool (Bidston)	1012.9	-10	SW	~~6~~ 4	b	39	85	8	5	-	-	1	1	4000	0	*
Harrogate	1010.5	-34	SSW	5	q	38	85	7	6	-	-	1	1	2500	1	*
Spurn Head	1012.0	-2	W	5	bc	38	85	7	-	7	8	0	4.6	-	0	5
Tynemouth	1007.8	-18	WSW	2	bc	38	85	7	2	-	-	2.3	2.3	2500	0	2
Inchkeith	1003.6	-10	WSW	5	c/pr	39	85	8	6	7	-	4.6	7.8	1500	1	3
Leuchars	1003.6	-22	SW	5	pr.	38	95	7	9	-	-	4.6	4.6	1500	2	*
Renfrew	1004.5	-18	WSW	4	ir	39	95	7	9	-	-	10	10	1500	1	*
Eskdalemuir	1007.0	-16	SWW	5	pr.	36	85	8	5	-	-	10	10	1500	1	*
Tiree	998.7	-46	SWS	5	c	41	85	7	5	7	8	2.3	9+	2500	1	4
Stornoway	994.2	-24	WSW	1	c	37	95	7	9	-	-	7.8	7.8	4000	2	2
Dalwhinnie	1000.1	-22	SW	3	c	34	85	7	5	-	-	9	9	1500	7	*
Aberdeen	999.9	-22	SW	3	c	37	75	8	5	4	5	4.6	9	4000	4	1
Wick	996.2	-16	SSW	3	bc	36	95	8	8	6	1	2.3	4.6	1500	5	3
Lerwick	990.8	-4	W	2	bc/pr	39	75	7	8	-	-	4.6	4.6	1500	5	*
Blacksod Point	1003.1	-60	WSW	8	RR	45	95	6	6	-	-	10	10	<150	1	7
Malin Head	998.7	-62	S	6	cr.	40	95	6	6	2	-	7.8	10	1500	1	4
Aldergrove	1004.7	-34	SW	5	prc	38	95	7	5	-	-	9+	9+	800	1	*
Donaghadee	1006.8	-36	SW	3	c	38	85	7	5	2	-	4.6	7.8	1500	0	1
Birr Castle	1009.9	-46	SW	2	c	41	85	8	5	-	-	7.8	7.8	2500	1	*
Valentia Obsy.†	1012.9	-50	SW	6	ir	46	85	8	6	2	-	7.8	10	1500	1	*
Roches Point	1015.1	-20	NW	3	bc	40	85	8	3	-	-	2.3	2.3	1500	0	2

PAST 24 HOURS.

Stations	Temperature Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 10th Hrs. (36)
London (Kew)	52	35	29	3	Tr.	3.2
Croydon	54	36	31	4	Tr.	2.8
S. Farnborough	51	33	23	4	Tr.	3.5
Winchester	50	33	30	7	Tr.	4.2
Boscombe Down	51	33	30	6	0.4	*
Calshot, (S'thmtn)	50	36	'	2	-	3.9
Dungeness	49	36	*	2	-	*
Lympne	48	31	27	3	Tr.	2.8
Shoeburyness	51	35	31	2	-	2.8
Felixstowe	48	36	32	2	-	2.0
Gorleston	52	35	33	3	-	1.0
Cranwell	51	35	32	3	-	2.9
Cardington	52	33	30	4	0.1	4.0
Birmingham	47	34	31	1	-	4.6
Upper Heyford	50	33	29	3	-	-
Leafield	50	32	27	3	-	~~0.4~~ 4
Ross-on-Wye	47	37	30	1	-	5.4
Portland Bill	51	42	*	2	-	*
Plymouth	49	42	39	1	0.3	5.7
Falmouth	48	41	*	1	1	6.5
Scilly (St. Mary's)	47	43	*	0.5	0.3	5.6
Guernsey	51	43	37	4	0.5	5.1
Pembroke	46	42	*	Tr	0.4	5.9
Holyhead	45	41	37	Tr	-	3.1
Chester (Sealand)	48	36	28	0.3	-	3.5
L'pool (Bidston)	46	39	35	0.6	-	2.5
Harrogate	44	37	33	3	0.1	5.3
Spurn Head	49	37	*	1	-	2.9
Tynemouth	43	38	32	1	-	*
Inchkeith	41	36	35	Tr	0.6	1.7
Leuchars	44	34	31	-	0.1	2.5
Renfrew	41	38	33	3	2	0.4
Eskdalemuir	39	34	29	2	1	0.2
Tiree	44	37	34	2	3	1.1
Stornoway	49	35	*	3	9	1.4
Dalwhinnie	37	31	28	3	8	1.4
Aberdeen	43	35	30	-	-	1.3
Wick	42	34	*	0.2	0.3	*
Lerwick	44	35	*	0.5	3	1.4
Blacksod Point	49	38	*	1	9	*
Malin Head	44	38	*	4	4	1.6
Aldergrove	42	36	32	2	0.2	2.2
Donaghadee	44	36	*	1	-	*
Birr Castle	42	36	32	2	1	3.8
Valentia Obsy.†	47	41	37	3	3	4.5
Roches Point	46	36	*	0.1	-	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	crrcy	cbcby	bxcx	52	35	29	3	Tr.	3.2	•	•	6
Croydon	217	bddrrRm	czqybzb	bmbw	54	36	31	4	Tr.	2.8	•	•	6
Greenwich (Royal Observatory)	149	oqRdc	cbqy	bxc	51	35	27	3	Tr.	2.2	50	80	5
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	2.6	•	•	•
Westminster (St. James' Park)	27	•	•	•	50	37	30	3	•	2.4	51	83	•
Regents Pk. (Botanic Gardens)	168	•	•	•	•	•	•	•	•	2.3	•	•	•
Camden Square	110	orc	c	•	50	37	32	2	-	•	•	86	•
Kensington Palace	80	obc	bc	•	51	36	29	3	-	•	At 18h. 66	81	•
Hampstead Observatory	450	ormbcp	bcbm	•	50	31	26	4	Tr.	2.4	•	85	•

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

	Max.	Time.	Min.	Time.
South Kensington.	0.8	10h 10m	<0.3	0-6h 11m
Kew Observatory.	0.1	19h 10m	<0.1	4h 11m

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.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day. mm.	Rainfall Night. mm.
Paris	1020.7	WNW	4	b	45	1026.7	WSW	3	bc	39	55	37	1	-
Brussels	1014.7	W	4	b	43	1022.4	WSW	2	c	34	48	32	3	-
Berlin	1011.0	SSW	4	c	39	1016.8	W	2	c	39	39	37	-	0.5
Zürich	1023.5	NW	1	z	41	1028.3	S	1	z	34	43	32	-	2
Rome	1024.3	NW	2	bc	43	1021.7	NNE	2	c	27	57	23	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.

The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.

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

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

COLUMNS 34, 35.

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 12th February 1931.

No. 25284

OBSERVATIONS at 13h. G.M.T. 11th 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)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1013.0	-56	SW	5	c	47	65	7	4	7	8	2-3	9+	2500
	Croydon ...	1014.4	-42	SW	5	c	47	65	7	7	-	6	4-6	9	1500
	S. Farnborough	1013.4	-50	SW	5	c	47	65	8	5	2	-	9	10	2500
	Winchester ...	1013.4	-54	SW'S	5	ir_o	46	75	8	5	-	-	10	10	1500
	Boscombe Down	1012.9	-62	SW'S	5	r_or_o	45	85	6	6	-	-	10	10	1500
	Calshot, S'thmtn	1015.1	-46	SW'S	6	c	47	75	7	5	1	-	2-3	10	2500
	Dungeness ...	*	*	WSW	6	bc	*	*	7	2	3	*	2-3	4-6	2500
	Lympne ...	1015.9	+38	SW	6	c	46	75	8	7	-	6	7-8	9	1500
2	Shoeburyness	1013.7	-46	SW	5	bc	48	65	8	-	8	8	0	4-6	-
	Felixstowe ...	1013.2	-46	SSW	5	c	45	85	7	5	1	9	2-3	9	2500
	Gorleston ...	1011.4	-40	SW	5	bc	45	85	7	1	6	6	1	4-6	4000
	Cranwell ...	1006.1	-62	SW'S	5	c	44	75	6	8	-	7	4-6	10	2500
3	Cardington ...	1010.1	-60	SW	6	c	45	75	8	1	5	6	2-3	9+	2500
	Birmingham ...	1006.9	-66	SW	5	o	42	85	6	6	-	-	10	10	1500
	Upper Heyford	1010.1	-60	S'W	5	ir_o	44	75	8	6	-	-	10	10	1500
	Leafield ...	1009.5	-54	SW'S	6	ir_o	43	85	8	6	-	-	10	10	1500
4	Ross-on-Wye ...	1007.3	-68	SW	6	r_or_o	44	85	6	6	-	-	10	10	2500
5	Portland Bill...	1012.7	-60	SW	7	o	49	75	7	5	-	-	10	10	1500
	Plymouth ...	1013.2	-60	SW	7	rr	47	85	6	6	-	-	10	10	800
	Falmouth ...	1013.7	-56	SW	9	rr	47	95	6	6	-	-	10	10	2500
	Scilly (St. Mary's)	1012.7	-60	WSW	9	rr	48	95	6	9	-	-	9+	9+	2500
	Guernsey ...	1019.6	-38	SW	5	o	49	75	7	5	-	-	10	10	2500
6	Pembroke ...	1004.0	-68	WSW	8	c/r	47	95	5	3	-	-	10	10	800
7	Holyhead ...	1000.5	-72	SW	6	r_or_o	46	95	6	6	-	-	10	10	800
	Chester (Sealand)	1001.8	-82	SSW	4	r_or_o	45	85	7	6	-	-	10	10	2500
8	L'pool (Bidston)	1000.5	-80	SW'S	6	ir	44	75	7	6	-	-	10	10	1500
9	Harrogate ...	1000.8	-86	SSW	6	q	43	75	7	6	-	7	7-8	9	2500
10	Spurn Head ...	1002.9	-36	SW'S	6	c	43	85	7	8	-	8	4-6	10	4000
	Tynemouth ...	995.1	-80	SSW	4	c	45	75	7	6	-	-	9	9	1500
11	Inchkeith ...	988.6	~~-50~~ -90	SW	6	r_or_o	40	95	7	6	-	-	10	10	1500
	Leuchars ...	988.5	-96	S	6	RR	39	85	6	6	-	-	10	10	800
12	Renfrew ...	988.8	-90	SW	7	rr	41	95	6	6	-	-	10	10	800
	Eskdalemuir ...	991.5	-100	SSW	8	RS	38	95	6	6	-	-	10	10	800
13A	Tiree ...	983.5	-50	W'S	7	cjp	45	75	8	3	-	3	7-8	9	1500
13B	Stornoway ...	975.9	-100	S	5	c	42	95	6	9	1	-	7-8	10	4000
15	Dalwhinnie ...	983.9	-92	S	4	sf	33	95	3	5	-	-	10	10	220
	Aberdeen ...	987.0	-82	SSW	5	r	41	85	6	6	2	-	7-8	10	2500
	Wick ...	985.0	-60	S	4	c/phr	40	95	8	9	4	-	4-6	7-8	2500
16	Lerwick ...	986.2	-30	SW	2	bc	38	95	8	8	-	-	4-6	4-6	1500
17	Blacksod Point	996.3	-24	W	9	q	48	75	7	9	-	-	7-8	7-8	<150
18	Malin Head ...	988.4	-34	W	7	phr	44	95	7	9	-	-	9+	9+	1500
	Aldergrove ...	992.9	~~-88~~ -48	SW'S	6	c	44	85	7	6	-	-	9+	9+	1500
	Donaghadee ...	991.8	-60	SW	5	ir	45	85	7	6	2	-	7-8	9	800
19	Birr Castle ...	1000.0	-28	W	4	c	47	85	7	9	1	-	4-6	10	2500
20	Valentia Obsy.	1005.5	-30	SW'W	7	c/r	50	85	7	5	-	-	9+	9+	1500
	Roches Point...	1006.6	-36	W	4	c	50	85	8	3	-	-	7-8	7-8	1500

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

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)
London (Kew)	999.4	-96	SW	5	r_or_o	46	95	7	6	2	-	9	10	800
Croydon	1001.5	-82	SW'S	6	r_or_o	45	95	6	6	-	-	10	10	800
S. Farnborough	1000.3	-70	SW	5	rr	47	95	6	6	-	-	10	10	800
Winchester	999.7	-78	WSW	4	RR	46	95	6	6	-	-	10	10	450
Boscombe Down	999.9	-66	W'S	5	rr	46	95	7	6	-	-	10	10	800
Calshot, S'thmtn	1000.0	-94	SSW	7	rr	48	95	6	6	-	-	10	10	800
Dungeness	*	*	SW	8	RR	*	*	5	6	-	*	10	10	1500
Lympne	1003.7	-78	SW'S	9	rr	42	95	6	6	-	-	10	10	450
Shoeburyness	999.9	-80	SW	7	rr	44	95	7	6	-	-	10	10	800
Felixstowe	999.6	-82	SSW	7	rr	43	95	7	6	-	-	10	10	800
Gorleston	997.5	-70	SW	7	rr	43	95	6	6	-	-	10	10	800
Cranwell	992.7	-66	SW	5	ir_o	44	95	6	6	2	-	3	10	1500
Cardington	996.4	-74	SW	6	r_or_o	45	95	7	6	-	-	10	10	800
Birmingham	996.2	-40	W	6	RR	44	85	6	6	-	-	10	10	800
Upper Heyford	997.2	-70	SSW	6	rr	45	85	5	6	-	-	10	10	220
Leafield	996.8	-44	SW'W	5	ir_o	44	95	8	6	-	-	10	10	1500
Ross-on-Wye	997.1	-50	W'S	5	rr	47	85	8	6	-	-	9+	9+	1500
Portland Bill	1000.5	-64	SW'W	8	c/r	49	95	7	5	2	-	7-8	10	1500
Plymouth	1004.9	-40	W	7	ir	48	95	7	6	2	-	9	10	800
Falmouth	1007.2	-44	W'S	9	rr	50	95	7	6	-	-	10	10	2500
Scilly (St. Mary's)	1007.1	-16	W'N	9	c/r	50	95	6	2	-	8	4-6	7-8	4000
Guernsey	1008.9	-64	WSW	5	RR	50	95	5	6	-	-	10	10	1500
Pembroke	999.0	-18	WSW	7	ir	48	75	6	3	7	-	4-6	9	800
Holyhead	994.9	-22	WNW	8	pr	44	85	8	8	-	-	9+	9+	2500
Chester (Sealand)	993.0	-36	W'S	5	pr	44	85	7	9	-	-	4-6	4-6	1500
L'pool (Bidston)	991.2	-32	WSW	7	o/pr	44	75	7	9	-	-	10	10	1500
Harrogate	989.8	-50	SSW	5	ir_o	42	95	7	6	-	-	9	9	2500
Spurn Head	990.4	-40	W'S	6	pr	42	95	6	3	2	-	4-6	9	4000
Tynemouth	985.5	-50	W	4	bc/r	42	85	7	3	-	-	4-6	4-6	2500
Inchkeith	981.7	-22	SW	6	c	40	85	7	3	7	-	4-6	7-8	1500
Leuchars	980.4	-26	W	5	bc/pr	37	85	7	8	-	3	2-3	2-3	2500
Renfrew	984.1	-10	W	4	pr	37	85	7	9	-	-	9+	9+	1500
Eskdalemuir	985.1	-22	W	6	prs	38	75	6	6	-	-	10	10	800
Tiree	980.5	-14	W	7	PH(R)	41	75	7	3	-	3	7-8	9+	1500
Stornoway	970.6	-20	NW	3	c	38	95	6	4	-	-	10	10	4000
Dalwhinnie	978.7	-28	W	4	bc	34	75	7	8	-	-	4-6	4-6	1500
Aberdeen	977.3	-28	SW	3	bc	38	85	7	7	-	-	2-3	2-3	2500
Wick	972.1	-20	WSW	5	c	38	95	8	6	1	8	4-6	7-8	1500
Lerwick	976.2	-76	SE	4	rr	40	95	7	6	-	-	10	10	1500
Blacksod Point	997.9	+18	W'N	9	q	38	85	7	9	-	-	9+	9+	<150
Malin Head	986.3	-8	W	7	phr	38	85	7	9	-	-	4-6	4-6	1500
Aldergrove	990.5	-2	WSW	5	c/pr	35	95	7	9	-	-	7-8	7-8	2500
Donaghadee	990.0	-4	WNW	6	ir	39	85	7	6	2	-	4-6	7-8	800
Birr Castle	998.7	+10	W	4	c	41	75	8	8	-	-	7-8	7-8	2500
Valentia Obsy.	1007.0	+18	W	7	c/pr	46	75	7	5	3	-	7-8	7-8	2500
Roches Point	1003.9	+6	NW	5	c	46	75	8	3	-	-	7-8	7-8	1500

PAST 24 HOURS.

Stations	State of Ground 0-9 (29)	Sea 0-9 (30)	Weather 7h.–13h. 11th (37)	Weather 13h.–18h. 11th (38)	Weather 18h. 11th to 1h. 12th (39)	Weather 1h.–7h. 12th (40)
London (Kew)	1	*	cm_oc	crm_ocqcr_o	bcr	crqbcb
Croydon	1	*	cz_obc	com_orrq	$bccqz_o$	cqpr-bcb
S. Farnborough	2	*	cxbcc	corr	rbcKQR	cb
Winchester	1	*	$cbccr_o$	cr_ooRRq	oRmbps	cprbcb
Boscombe Down	1	*	$cir_oor_or_oq$	orrq	orrcprq	cbcq
Calshot, S'thmtn	1	4	cbcc	$orrqm_o$	$orrcir_obbcphq$	bcp_ohq
Dungeness	*	5	bc	r	*	p
Lympne	1	*	cm_oc	$orrqm_o$	orrbcq	bpropr qb
Shoeburyness	1	*	cbc	bccorrq	orrqb	bcq
Felixstowe	1	6	bcc	$cqir_oorrq$	orrq, bcq	bcqy
Gorleston	1	4	cbcq	bcorrq	p_or_oblq	bccq
Cranwell	1	*	bcm_ocz_o	cm_orrir	cTLRbcprsq	cpsq bc
Cardington	1	*	cq	$corrqm_o$	rrcrqb	bq
Birmingham	1	*	cbc	$orrr_o$	oRbcq	bcq
Upper Heyford	1	*	$cbccir_oc$	$grRrrm_oq$	$oRrps_oq$	cbcq
Leafield	1	*	cp_ooir_o	$orrir_o$	$orlqcps_o$	bcq
Ross-on-Wye	1	*	p_ocdr_oq	rrq	cqp_ooqp	cq
Portland Bill	2	6	co	$oRRz_o$	bciR	iRc
Plymouth	2	4	cqor	ocqrr	cqoir	obcprq
Falmouth	1	5	$bcorqm_o$	omrrq	ormbclq	bcpq
Scilly (St. Mary's)	1	5	bccrr	crrir	bcpb	$bbcp_o$
Guernsey	2	4	cp_obc	orrR	oirbc	oprcq
Pembroke	1	4	orrq	oirqc	cbcpq	bcq
Holyhead	1	4	$bccr_or_o$	cprq	prbcq	cbcq
Chester (Sealand)	1	*	$bccr_o$	r_or_ocprq	$bcpr_oPRq$	$bcpr_ocq$
L'pool (Bidston)	0	*	bcoir	Rprq	cPRH	cq
Harrogate	1	*	bbccq	cbcrr	cbqir	cbcqis
Spurn Head	1	5	cq	orrq	cltprpsbcq	cq
Tynemouth	1	3	bccq	oirq	bcqpr	bcq
Inchkeith	0	4	corr	orrc	bccpr	cbcl
Leuchars	2	*	$bcpr_ooRRq$	ocrrqbcpr	cbq	bq
Renfrew	2	*	orr	qrcprq	cPRrrq	crprq
Eskdalemuir	1	*	cproRSRS	orscprsq	clps	cpscprbc
Tiree	1	4	coKqrrc	bcphrcPHq	cphq	rRr
Stornoway	3	2	rrR	oRr	cPHbc	cphr
Dalwhinnie	3	*	ossf	prsis	csf	cpsoc
Aberdeen	1	2	bccr	crrb	$bbccr_o$	orr
Wick	1	3	bcphrc	corrc	bc	crrcq
Lerwick	1	*	bcphrs	bccorr	orrcbc	bcorr
Blacksod Point	1	9	prqc	prhq	phql	phrq
Malin Head	1	5	cir_ocqphr	cbcqhr	cbcqcbslcPH	Rcqphrbc
Aldergrove	1	*	ccrrc	bccpr	bcprs	bcprs
Donaghadee	1	3	cirq	cirq	prscq	cbcbq
Birr Castle	1	*	corrc	cpr	cprsq	cprc
Valentia Obsy.	1	5	$crrr_oq$	$cpcp_ocq$	$cbcp_o$	cpr_o, c
Roches Point	0	5	bcciRc	cpqc	cpqbc	bcpqbc

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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

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.

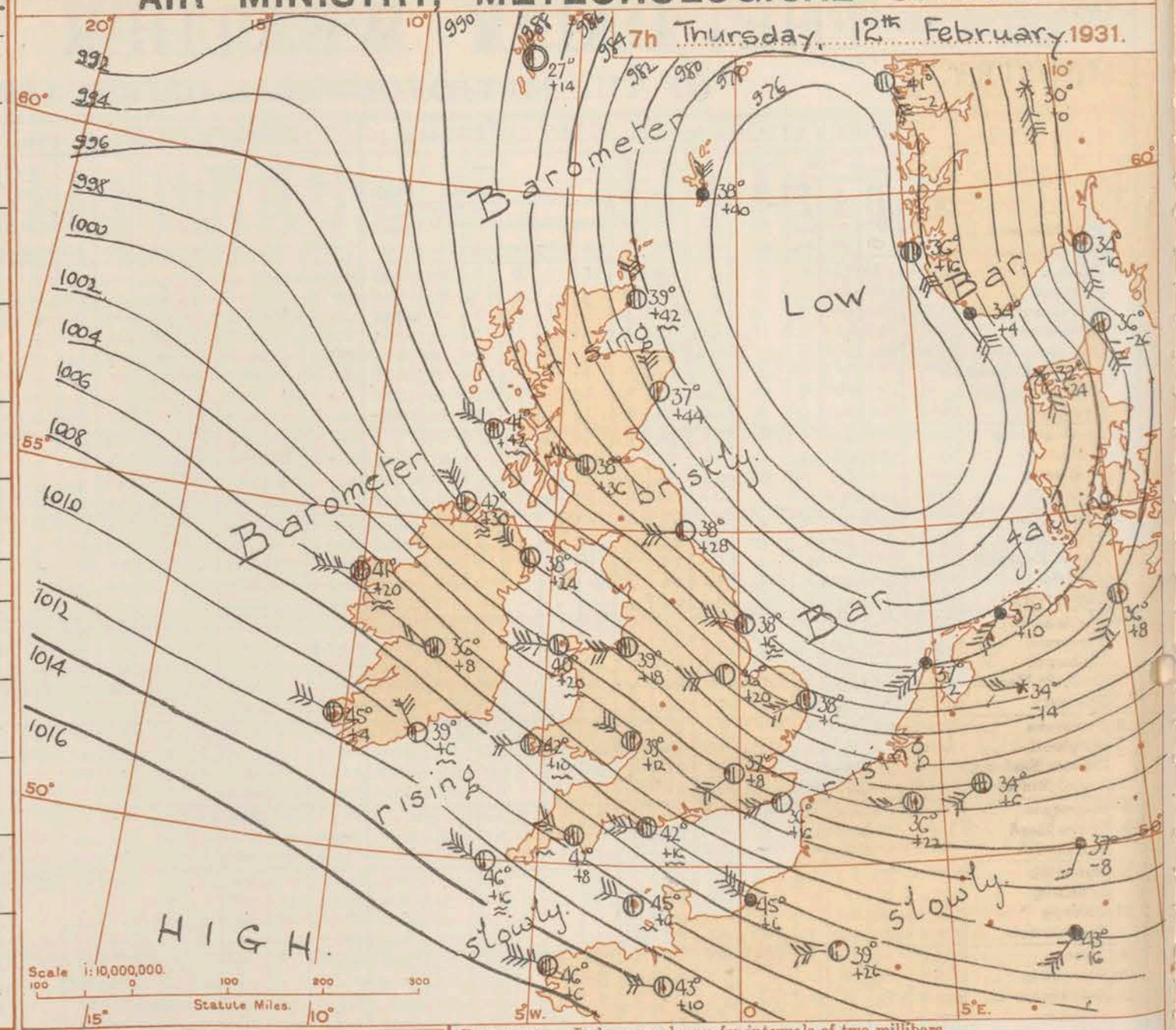
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 11th February 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	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 Sunset. 11th
1	Tunbridge W.	cbe	cor	32	46	-	4	2·2
	Bournemouth	or	r	30	48	-	5	1·0
	Ventnor ...	bbcou	quor	38	47	Trace	3	1·5
	Southsea ...	bco	or	38	48	-	3	1·5
	Bognor Regis	bcc	RR	38	49	-	3	2·3
	Littlehampton	bcc	cr	33	46	-	3	2·5
	Worthing ...							
	Brighton ...	cbc	coro	37	47	-	5	2·5
	Eastbourne†	ocbcc	cororr	38	48	-	3	2·5
	Hastings† ...	xcbc	bcor	34	43	0·1	1	2·5
	Folkestone ...	xcm.	cop	32	48	-	0·3	2·0
	Dover... ...	mcbc	bcor	36	48	-	1	2·7
	Deal	cbc	bcop	36	47	-	Trace	2·7
	Ramsgate ...	bc	bcod	35	48	-	Trace	3.8
	Margate ...	bc	bcor	35	49	-	Trace	3·8
2	Southend ...	beb	cor	35	48	Trace	0·5	3·0
	Maldon ...	cb	cor	35	47	-	2	2·2
	Clacton-on-Sea	cbcc	cor	36	46	-	0.6	2·9
	Dovercourt ...	bc	oc	35	47	-	1	3·3
	Lowestoft ...	cbcb	bcop	33	45	-	0.1	3.0
	Skegness ...	obco	or	35	43	Trace	4	2·4
	Mablethorpe	cp	orm.	36	44	-	4	0.8
	Cleethorpes...	cb	bcorr	36	44	-	2	1·1
3	Leamington S.	bcc	cor	35	46	-	3	2·5
4	Cheltenham†	bbcco	orro	34	46	-	4	1·1
5	Bath	bccp	crr	35	48	1	6	1·3
	Weymouth ...	bccod	rrQr	41	49	-	5	1·4
	Jersey ...	pcbcc	crr	42	48	0·2	5	1·5
	Torquay ...	pcodrr	ordq	39	51	0.4	8	0.4
	Penzance ...	orr	orr	42	51.	0·5	5	0.2
	St Ives ...	pr	r	43	60	0.5	4	0.0
	Bude	qorr	rro	45	50	0.4	6	0.0
	Ilfracombe ...	rr	rr	40	50	3	6	0.0
6	Aberystwyth	bccir	cir	41	46	0.5	4	0.0
7	Llandudno ...	orq	rqcrc	41	48	-	3	0.0
	Colwyn Bay...	bcocr	rocro	39	~~48~~ 43	-	4	0.0
	Rhyl	bccor	orcpr	39	51	-	3	0·2
8	Wallasey ...	bccor	orc	38	47	Trace	1	0.4
	Southport‖ ...	bccor	ocorho	41	46	0·1	8	0·1
	Blackpool ...	cor	orc	40	45	0·2	4	0.0
	Morecambe ...	c	rrorc	39	45	-	8	0.0
9	Ilkley... ...	cbco	rrc	37	44	Trace	5	1.7
10	Berwick-on-T.	bcR	Rc	36	43	Trace	2	1·9
11	Dunbar ...	b	bccrc	36	43	-	3	2.4
12	Douglas ...	cqRc	qRcb	38	46	0·3	5	0·9

† 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 the wind. Number of feathers indicate Beaufort force. Calm. = ⊙
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. ▲ 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. 12th Feb., 1931.
▼1. S.E. England ▼2. E. England... 3. E. Midlands 4. W. Midlands ▼5. S.W. England ▼6. South Wales	Strong westerly to northwesterly winds, reaching gale force locally at times; bright periods, squally showers; cold or rather cold.
▼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	Strong northwesterly to northerly winds, reaching gale force locally at times; bright periods, squally showers with hail or sleet in places and snow on high ground; cold or rather cold.
▼13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland	Strong northwesterly to northerly winds, stronger at times, backing slowly later; bright periods, squally showers with hail, sleet or snow locally; cold or rather cold
▼15. N.E. Scotland ▼16. Orkneys and Shetlands.	Strong northerly to northwesterly winds, reaching gale force at times; bright periods, squally showers with hail, sleet or snow; cold.
▼17. N.W. Ireland ▼18. N.E. Ireland ▼19. S.E. Ireland 20. S.W. Ireland	Strong northwesterly or northerly winds, stronger at times, backing later; bright periods, squally showers with hail or sleet locally; cold.

GENERAL INFERENCE.

A deep depression centred over the Northern North Sea will move away eastward while another disturbance advances slowly from the Atlantic. Strong winds will prevail generally with bright periods but squally showers in all districts. Hail or sleet will occur locally especially in the North and West.

FURTHER OUTLOOK.

Unsettled.

Time of issue of Gale Warning.
▼ South cone at 0800 on 11th in 1,2,5,6,7, 8.10.11, 12, 13A, 13B, 15,16,17,18, 19, 20.

Forecasts issued at 0930 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2 Pa 2439/2189. m. 26. D 6028. Wp 508. 28280. 2/31.

WHP

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).

Page 4.
AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Thursday 12th February 1931.
No. 25284

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)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0-10 (12)	Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1000·1	+20	WNW	7	PR	41	65	7	8	-	-	9	9	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1001·6	+14	W	6	ph	38	95	7	3	-	-	4-6	4-6	1500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	998·1	+16	W'S	5	c	40	75	8	5	1	-	4-6	9	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	991·7	0	W'N	4	g	37	85	7	-	-	-	0	0	-
	Cranwell ...	240	992·2	+4	W'S	5	b	32	95	6	-	-	·	0	0	·
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	1002·0	+8	WNW	8	iR	44	65	8	4	6	-	4-6	7-8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1008·5	+10	W'N	8	bc	47	55	7	8	-	-	4-6	4-6	4000
	Scilly (St. Mary's)	163	1010·3	+12	WNW	9	b	47	75	6	-	8	-	0	Tr.	-
	Guernsey ...	175	1007·7	+6	WNW	6	o/r	45	85	7	5	-	-	10	10	2500
6	Pembroke ...	142	1002·4	+20	W	5	g	41	86	7	8	-	-	4-6	4-6	1500
7	Holyhead ...	26	996·8	+6	W'N	9	c/pr	39	75	7	8	-	-	7-8	7-8	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	986·7	0	W'N	7	g	38	85	7	6	-	-	2-3	2-3	4000
	Tynemouth ...	87	981·7	-20	W	6	bc/pr	36	95	8	9	·	·	4-6	4-6	2500
11	Inchkeith ...	190	977·2	-12	SW	8	l	38	85	8	5	9	-	4-6	9+	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	979·4	+34	NW	2	bc	39	75	7	4	-	-	4-6	4-6	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	970·5	+24	NNW	3	bc	36	95	8	3	-	-	4-6	4-6	1500
16	Lerwick ...	54	970·6	+6	SSW	1	bc	39	85	7	5	-	-	2-3	2-3	1500
17	Blacksod Point	18	1002·4	+40	W'N	9	g	37	75	6	9	-	-	9+	9+	<150
18	Malin Head ...	52	988·8	+22	NW	9	PHR	40	85	7	9	-	-	7-8	7-8	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1010·0	+10	WNW	7	PHR	44	95	7	3	-	-	10	10	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Amount Low 0-10 (26)	Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	1000·3	+10	W'S	4	b	38	55	8	7	-	-	1	1	2500	1	*
Croydon	1001·0	+8	W'S	5	bc	37	65	7	4	-	-	2-3	2-3	800	1	*
S. Farnborough	1001·2	+10	W'S	5	b	37	75	8	5	-	-	Tr.	Tr.	1500	1	*
Winchester	1003·4	+10	W'N	5	bc	37	65	8	5	-	-	2-3	2-3	2500	1	*
Boscombe Down	1003·4	+10	WNW	5	bc	37	75	7	5	-	-	4-6	4-6	2500	1	*
Calshot, (S'thmtn)	1003·8	+12	W	5	g	40	65	7	5	-	-	2-3	2-3	2500	1	3
Dungeness	*	*	W	6	bc	*	*	7	5	-	*	2-3	2-3	2500	*	3
Lympne	1000·2	+16	W	6	b	36	65	8	-	-	-	0	0	-	1	*
Shoeburyness	998·3	+14	W'S	6	b	37	75	7	4	-	-	1	1	4000	0	*
Felixstowe	996·6	+20	WSW	6	bc	38	55	7	5	3	-	4-6	4-6	1500	1	5
Gorleston	991·8	+6	W	5	c	38	75	7	6	4	8	2-3	7-8	1500	0	3
Cranwell	993·6	+20	W	6	bc	36	75	6	8	-	-	4-6	4-6	1500	6	*
Cardington	998·7	+22	W'N	6	bc	37	65	8	4	-	-	4-6	4-6	4000	1	*
Birmingham	999·3	+10	WNW	5	bc	37	55	8	5	-	-	4-6	4-6	2500	1	*
Upper Heyford	1000·0	+24	WNW	6	g	36	75	8	5	-	-	4-6	4-6	1500	1	*
Leafield	999·8	+10	W'N	6	g	36	65	9	6	-	-	4-6	4-6	2500	6	*
Ross-on-Wye	1002·1	+12	W'N	6	g	39	65	8	8	-	-	9	9	2500	1	*
Portland Bill	1005·5	+16	W'N	7	c	42	75	8	8	6	-	4-6	7-8	2500	2	5
Plymouth	1009·5	+8	WNW	6	c/pr	42	75	8	9	-	-	9	9	1500	1	3
Falmouth	1011·2	+14	WNW	8	bc	44	65	8	3	-	-	4-6	4-6	4000	1	4
Scilly (St. Mary's)	1011·7	+16	WNW	8	bc	46	75	8	5	-	-	4-6	4-6	4000	1	6
Guernsey	1010·1	+6	WNW	5	g	45	75	7	5	-	-	4-6	4-6	2500	1	5
Pembroke	1005·2	+10	W	5	c/r	42	85	7	3	-	-	7-8	7-8	1500	1	4
Holyhead	999·8	+20	W'N	8	g	40	75	7	4	-	-	4-6	4-6	800	1	5
Chester (Sealand)	997·3	+18	W	6	g	49	75	8	5	-	-	9	9	1500	0	*
L'pool (Bidston)	995·4	+14	W	8	g	40	75	8	9	-	-	4-6	4-6	4000	0	*
Harrogate	988·3	+6	SW	8	i3o	36	85	7	6	-	7	9	10	2500	1	*
Spurn Head	986·9	+6	WNW	8	g	38	85	7	3	2	-	4-6	7-8	4000	1	6
Tynemouth	984·9	+28	W	6	bc	38	85	7	9	-	-	4-6	4-6	1500	1	3
Inchkeith	984·9	+44	WSW	4	bc	39	86	8	-	4	-	0	2-3	-	0	3
Leuchars	984·4	+50	WNW	5	b	39	65	8	8	-	1	Tr.	1	2500	2	*
Renfrew	988·7	+36	WNW	4	pro	38	95	7	9	-	-	9+	9+	1500	2	*
Eskdalemuir	986·3	+20	WNW	8	bc/p	36	85	8	5	-	-	4-6	4-6	1500	1	*
Tiree	990·7	+42	WNW	8	c/pr	41	75	7	5	7	8	2-3	9	1500	1	5
Stornoway	987·0	+34	WNW	1	c	37	85	7	9	-	-	7-8	7-8	4000	2	1
Dalwhinnie	987·1	+40	NNW	3	bc	33	85	8	4	-	-	4-6	4-6	4000	9	*
Aberdeen	981·1	+44	NW	5	bc/r	37	85	8	6	-	-	4-6	4-6	800	1	3
Wick	980·2	+42	NW	5	g	39	85	8	9	1	8	4-6	7-8	1500	1	4
Lerwick	976·2	+40	N	6	rr	38	85	7	6	-	-	10	10	1500	2	*
Blacksod Point	1004·4	+20	W'N	9	g	41	75	7	9	-	-	9+	9+	<150	0	9
Malin Head	995·3	+30	NW	7	bc/p	42	75	7	8	-	-	4-6	4-6	2500	0	6
Aldergrove	997·8	+24	W	5	bc	37	75	7	9	-	-	4-6	4-6	1500	4	*
Donaghadee	994·9	+24	W'N	6	g	38	65	7	5	-	-	2-3	2-3	4000	0	3
Birr Castle	1005·6	+8	WNW	2	c	36	85	7	5	-	-	7-8	7-8	2500	1	*
Valentia Obsy.†	1011·6	+4	W'N	6	c/pr	45	75	8	6	2	-	7-8	10	1500	1	*
Roches Point	1009·0	+6	NW	5	bc	39	85	8	3	-	-	4-6	4-6	1500	1	4

PAST 24 HOURS.

Stations	Temp. Max. Day 7h-18h °F. (31)	Temp. Min. Night 18h-7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 11th Hrs. (36)
London (Kew)	48	36	31	3	2	2·3
Croydon	47	36	32	4	3	2·3
S. Farnborough	47	36	31	4	3	2·6
Winchester	47	34	32	9	5	2·3
Boscombe Down	47	34	34	8	1	
Calshot, (S'thmtn)	50	37	33	5	2	2·0
Dungeness	48	33	*	3	4	*
Lympne	47	35	31	3	7	1·7
Shoeburyness	49	35	32	1	3	3·5
Felixstowe	46	37	34	2	7	3·1
Gorleston	46	36	33	2	6	2·8
Cranwell	45	32	31	3	6	1·6
Cardington	45	36	33	2	0·5	1·8
Birmingham	44	35	33	5	2	1·9
Upper Heyford	45	33	30	3	5	
Leafield	45	33	30	3	1	0·8
Ross-on-Wye	47	35	33	9	1	0·5
Portland Bill	50	40	*	43	4	*
Plymouth	51	39	38	5	4	0·0
Falmouth	50	41	*	9	1	0·4
Scilly (St. Mary's)	50	44	*	5	0·2	0·0
Guernsey	50	42	37	9	6	1·9
Pembroke	49	37	*	4	2	0·0
Holyhead	48	38	37	2	0·1	0·0
Chester (Sealand)	48	37	34	2	3	0·1
L'pool (Bidston)	46	35	33	1	0·2	0·7
Harrogate	44	33	31	5	34	1·4
Spurn Head	43	35	*	2	2	1·4
Tynemouth	45	35	32	1	2	*
Inchkeith	43	34	33	3	0·4	1·6
Leuchars	42	34	32	7	-	0·8
Renfrew	43	35	31	14	7	0·3
Eskdalemuir	40	32	31	21	9	0·4
Tiree	45	35	35	10	9	1·9
Stornoway	43	26	*	9	4	0·8
Dalwhinnie	36	31	28	8	2	0·0
Aberdeen	41	35	32	3	6	0·9
Wick	41	34	*	4	3	*
Lerwick	40	37	*	4	6	1·3
Blacksod Point	49	34	*	5	3	*
Malin Head	44	36	*	8	1	1·5
Aldergrove	44	33	31	5	1	0·6
Donaghadee	47	34	*	5	2	*
Birr Castle	47	34	32	6	3	0·0
Valentia Obsy.†	51	42	39	5	1	0·0
Roches Point	51	37	*	3	3	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temp. Day Max. °F.	Temp. Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew ...	18	cmoc	crmocqeo	bcqbcb	48	36	31	3	2	2·3	·	·	8
Croydon ...	217	czobc	comorrq	bcqbrb	47	36	32	4	3	2·3	·	·	6
Greenwich (Royal Observatory) ...	149	cpbcc	cOrorrq	rrbcpbq	48	36	29	3	3	1·9	85	62	5
City (Bunhill Row) ...	—	·	·	·	·	·	·	·	·	1·7	·	·	·
Westminster (St. James' Park) ...	27	·	·	·	48	36	30	5		2·0	81	63	·
Regents Pk. (Botanic Gardens) ...	168	·	·	·	·	·	·	·	·	2·1	·	·	·
Camden Square ...	110	cbcc	cpor	·	47	36	32	5	1	·	·	65	·
Kensington Palace ...	80	obcor	orodr	·	47	37	30	4	1	·	At 18h. 97	59	·
Hampstead Observatory ...	450	corm	bcormbc	·	45	31	26	5	1	2·0	·	64	·

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

South Kensington Max.	Time.	Min.	Time.
0·6	8h-9h. 11th	0·3	23h 11th to 6h. 12th.

Kew Observatory Max.	Time.	Min.	Time.
0·1	7h. 11th	0·1	0h-5h. 12th.

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 ...	1016·2	ESE	4	c	46	1007·9	SW	4	roro	41		41	-	5
Brussels ...	1010·7	S	4	c	41	998·8	W	3	c	36	45	34	0·1	9
Berlin ...						996·0	SSE	4	ss	32		32		2
Zürich ...	1025·6	W	2	bc	39	1009·9	WNW	5	rso	36	45	32	Tr.	3
Rome ...						1015·0	NE	2	bc	36				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 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.

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

ON

31.

SUN-SHINE 11th Hrs. (36)

2.3 2.3 2.6 2.3 2.0 * 1.7 3.5 3.1 2.8 1.6 1.8 1.9 0.8 0.5 * 0.0 0.4 0.0 1.9 0.0 0.0 0.1 0.7 1.4 1.4 * 1.6 0.8 0.3 0.4 1.9 0.8 0.0 0.9 * 1.3 * 1.5 0.6 * 0.0 0.0 *

e for ... le at ... s. ... les. ... lm. ... for ... gh. ... ns.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

13th February 1931.

No. 25285

OBSERVATIONS at 13h. G.M.T. 12th 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)	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)	1001.5	+2	W'N	5	c	44	45	8	8	–	–	9	9	2500
	Croydon	1002.4	+2	WNW	6	c	43	55	6	4	–	–	7-8	7-8	2500
	S. Farnborough	1001.1	0	WNW	5	bc	46	55	8	1	–	–	4-6	4-6	2500
	Winchester	1003.4	-6	WNW	6	bc	43	55	8	1	–	–	4-6	4-6	2500
	Boscombe Down	1003.7	-6	WNW	6	q	43	65	8	1	–	–	4-6	4-6	2500
	Calshot, S'thmtn	1004.2	-6	W	6	q	45	55	8	8	–	–	4-6	4-6	2500
	Dungeness	*	*	W	6	bc	*	*	7	7	6	*	4-6	4-6	4000
	Lympne	1000.7	-2	W'N	6	bc	43	55	8	4	–	–	4-6	4-6	2500
2	Shoeburyness	999.5	-2	NW	6	bc	44	55	8	5	–	1	2-3	2-3	4000
	Felixstowe	997.8	+10	W	6	q	42	55	8	5	–	–	7-8	7-8	1500
	Gorleston	992.7	+12	W	5	o	39	75	7	6	–	–	10	10	1500
	Cranwell	995.3	+10	W'N	6	bc	42	65	7	1	4	–	4-6	4-6	2500
3	Cardington	999.4	+4	WNW	6	bc	43	45	8	1	–	–	2-3	2-3	4000
	Birmingham	1000.7	+4	NW	5	bc	42	45	8	5	–	–	4-6	4-6	2500
	Upper Heyford	1000.9	+2	W	6	q	42	55	8	5	–	–	7-8	7-8	1500
	Leafield	1001.0	+6	W'N	7	q	41	65	9	1	–	–	4-6	4-6	4000
4	Ross-on-Wye	1002.6	0	W'N	6	q	43	65	8	1	–	3	4-6	4-6	4000
5	Portland Bill	1005.8	-6	W'N	7	c/r	44	75	8	8	–	–	7-8	7-8	2500
	Plymouth	1009.3	-6	WNW	5	pr	45	75	7	9	–	–	9+	9+	1500
	Falmouth	1010.3	-6	W'N	6	bc	47	65	8	3	–	–	4-6	4-6	4000
	Scilly (St. Mary's)	1010.8	-12	NW'W	6	c	45	95	6	8	–	–	7-8	7-8	4000
	Guernsey	1010.4	-4	WNW	4	pr	45	65	7	8	–	–	7-8	7-8	2500
6	Pembroke	1005.5	0	W	4	q	44	75	7	3	7	1	4-6	9+	1500
7	Holyhead	1001.7	+2	W'N	8	bc	43	75	8	1	8	–	2-3	2-3	1500
	Chester (Sealand)	999.8	+10	W	6	q	42	65	8	8	–	–	7-8	7-8	2500
8	L'pool (Bidston)	998.4	+14	W	7	q	41	65	8	3	–	–	9	9	2500
9	Harrogate	993.9	+26	WSW	4	io	41	75	8	7	–	–	(9+)	(9+)	2500
10	Spurn Head	991.2	+8	NW'W	7	q	41	85	7	4	3	–	4-6	7-8	4000
	Tynemouth	989.9	+20	WNW	5	bc	42	75	7	2	–	2	2-3	4-6	2500
11	Inchkeith	991.0	+20	WSW	4	c	40	85	8	4	1	–	4-6	9	4000
	Leuchars	990.6	+22	WNW	4	c	43	65	8	7	3	1	7-8	7-8	4000
12	Renfrew	994.6	+22	WNW	5	bc	42	65	8	8	–	–	4-6	4-6	2500
	Eskdalemuir	990.3	+6	NW	9	prso	37	85	8	5	–	1	4-6	4-6	1500
13A	Tiree	995.8	+18	NW'W	6	bc/ps	37	85	8	3	7	3	4-6	4-6	1500
13B	Stornoway	990.3	+2	NW	3	c	38	85	8	3	7	–	4-6	9	4000
15	Dalwhinnie	992.7	+22	NNW	4	pso	32	95	4	5	–	–	10	10	800
	Aberdeen	987.5	+26	NW	5	bc	42	65	8	8	–	3	2-3	2-3	2500
	Wick	987.0	+16	NNW	5	bc	40	75	8	8	6	1	4-6	4-6	2500
16	Lerwick	983.3	+30	N	4	c	38	75	8	5	1	8	4-6	7-8	1500
17	Blacksod Point	1005.2	+6	W'N	6	q	43	75	8	8	–	–	4-6	4-6	800
18	Malin Head	998.8	+6	NW	7	bc/phr	38	95	7	3	6	–	4-6	4-6	2500
	Aldergrove	1000.2	+8	WSW	5	prs	38	85	8	9	–	–	4-6	4-6	2500
	Donaghadee	998.4	+14	NW	6	q	42	65	7	8	4	–	4-6	4-6	4000
19	Birr Castle	1005.8	-6	WNW	2	bc	42	75	8	5	4	1	4-6	4-6	2500
20	Valentia Obsy.	1009.9	-10	NW'W	5	bc/pr	46	85	8	8	–	–	4-6	4-6	1500
	Roches Point	1008.1	-12	NW	4	pr	45	85	8	6	–	–	7-8	7-8	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	1001.2	+4	W	3	b	40	65	6	–	4	–	0	Tr	–	1	*
Croydon	1001.8	0	W'N	4	z	39	65	6	7	–	–	1	1	2500	1	*
S. Farnborough	1001.8	+2	W	3	b	40	65	8	5	–	–	Tr	Tr	4000	1	*
Winchester	1002.8	+6	W'N	4	bc	39	75	8	4	–	–	2-3	2-3	4000	1	*
Boscombe Down	1003.1	+2	WNW	4	bc	38	75	7	5	–	–	2-3	2-3	2500	1	*
Calshot, S'thmtn	1002.9	-2	W'S	4	bc	40	65	8	8	1	–	2-3	2-3	2500	0	2
Dungeness	*	*	W	3	bc	*	*	7	4	–	*	4-6	4-6	4000	*	3
Lympne	1000.6	+2	W'N	4	c	39	65	7	8	–	–	7-8	7-8	2500	1	*
Shoeburyness	1000.0	+6	W	4	bc	40	65	8	1	–	–	4-6	4-6	4000	0	*
Felixstowe	998.4	+6	W	5	b	41	55	8	5	–	–	1	1	2500	0	4
Gorleston	995.0	+6	WNW	5	bc	40	75	7	4	–	–	4-6	4-6	2500	0	4
Cranwell	997.1	+10	WNW	4	c	36	85	6	5	–	–	7-8	7-8	1500	1	*
Cardington	999.2	+6	W'N	4	bc	39	55	7	5	–	–	2-3	2-3	4000	1	*
Birmingham	1000.7	0	WNW	4	bc	38	65	8	4	–	–	2-3	2-3	2500	1	*
Upper Heyford	1000.8	+4	WNW	5	bc	37	75	8	5	–	–	2-3	2-3	2500	1	*
Leafield	1000.9	0	W'S	5	b	36	75	8	4	–	–	Tr	Tr	4000	1	*
Ross-on-Wye	1002.5	-6	W'N	5	bc/p	39	65	8	8	–	–	4-6	4-6	2500	1	*
Portland Bill	1003.6	-6	WNW	5	c	43	75	8	4	7	–	4-6	7-8	2500	1	4
Plymouth	1006.1	-6	NW	4	bc	43	85	8	9	–	–	4-6	4-6	1500	1	3
Falmouth	1007.7	-4	NNW	4	PR	45	75	7	3	–	–	4-6	4-6	4000	1	3
Scilly (St. Mary's)	1007.3	-6	NW	6	c	45	85	7	2	–	1	4-6	7-8	4000	1	4
Guernsey	1006.3	-18	NW	3	c	45	75	8	5	–	–	7-8	7-8	2500	1	4
Pembroke	1003.9	-6	WNW	4	q	44	85	7	3	8	8	4-6	9	1500	1	3
Holyhead	1001.8	0	W'N	7	bc	42	75	8	8	–	–	4-6	4-6	2500	1	4
Chester (Sealand)	999.6	-2	W'N	5	pho	41	65	8	9	–	–	7-8	7-8	2500	6	*
L'pool (Bidston)	998.6	0	W	6	q	40	65	7	9	–	–	7-8	7-8	1500	0	*
Harrogate	995.3	+6	SW	4	b	35	85	8	4	–	–	Tr	Tr	4000	1	*
Spurn Head	992.8	+4	NW'W	6	bc	39	85	7	–	2	1	0	4-6	–	0	5
Tynemouth	992.2	+16	W	4	bc	38	75	6	2	–	–	2-3	2-3	2500	0	2
Inchkeith	993.2	+10	W	4	bc	39	65	8	5	–	–	2-3	2-3	1500	0	2
Leuchars	991.3	+6	WNW	5	b	37	55	8	7	–	–	1	1	4000	2	*
Renfrew	995.2	+6	W'N	4	b/ps	34	95	8	3	–	–	1	1	1500	6	*
Eskdalemuir	994.7	+26	NW	5	b	34	65	8	5	–	–	Tr	Tr	1500	1	*
Tiree	995.3	-6	WNW	7	bo/phr	38	65	8	3	–	3	2-3	2-3	1500	1	5
Stornoway	990.6	+2	WNW	3	ps	35	75	8	3	–	–	4-6	4-6	4000	1	2
Dalwhinnie	992.0	+2	NNW	2	bc	31	75	8	–	7	–	0	4-6	4000	9	
Aberdeen	989.2	+4	WNW	6	c	36	75	8	7	–	–	7-8	7-8	2500	1	3
Wick	988.0	0	NW	3	c	35	95	8	9	2	–	9	10	1500	1	3
Lerwick	986.0	+10	N	3	bc	35	75	8	5	6	–	4-6	4-6	1500	0	*
Blacksod Point	1005.3	+2	W'N	6	q	41	75	8	9	–	–	9+	9+	<150	0	6
Malin Head	998.4	0	NW	7	bc/phr	38	95	7	3	–	–	4-6	4-6	2500	1	5
Aldergrove	1000.1	-2	W	4	c/rs	34	95	7	9	–	–	7-8	7-8	800	1	*
Donaghadee	998.9	0	NW	2	bc	36	85	7	6	2	–	4-6	4-6	1500	0	1
Birr Castle	1005.1	-2	NNW	1	c	40	85	8	3	–	–	7-8	7-8	2500	1	*
Valentia Obsy.	1010.4	+6	NW'W	5	c/pr	44	85	8	6	–	–	7-8	7-8	1500	1	4
Roches Point	1007.6	+2	NW	4	b	43	85	8	3	–	–	1	1	1500	0	3

PAST 24 HOURS. WEATHER.

Stations	7h.–13h. 12th (37)	13h.–18h. 12th (38)	18h. 12th to 1h. 13th (39)	1h.–7h. 13th (40)
London (Kew)	bccy	cy	b	bccmorou
Croydon	bcybccqy	cqybzo	bbczo	bcbxbczo
S. Farnborough	bcphbcq	bccy	b	b bxc
Winchester	bcyq	bcyq bc	bcb	bccpro
Boscombe Down	bcqoqbcq	bcqbc	bcb	bbccpropsc
Calshot, S'thmtn	bcbqbcyq	bcqyb	bw	bwcbc
Dungeness	bc	bc	*	bc
Lympne	bcqy	bcoy	cbx	bxc
Shoeburyness	bcq	bcqybc	b	bcc
Felixstowe	bcqyvcqy	cqybqy	bqybc	bccps
Gorleston	coprsoq	ocq	bcbq	bxbc
Cranwell	cmobc	cbczo	cpsob	b-csoso
Cardington	bbcy	bcby	b bx	b-csc
Birmingham	bcq	bcpho	bcb	bossps
Upper Heyford	bcbbcqy	bcprpsoq	bcbq	bbcrsoq
Leafield	pso bc	bc/pb	b	bbc
Ross-on-Wye	rosopqbcq	bcq	Pbcbqbcq	crsbcq
Portland Bill	ciRc	c	bc	bc
Plymouth	cqpobcc	cproqbc	bccpr	cbcprq
Falmouth	bcPq	bcpoq	bcPq	bc PH q
Scilly (St. Mary's)	bcrc	cpbc	bcqp	bcqp
Guernsey	bccpr	c	cbcb	bccpr
Pembroke	cq	cpq	cbcq	bcq
Holyhead	bcbbcq	bprh q	bcprobcq	pro q
Chester (Sealand)	bcq	bcqprho	phoPHbcq	cphoq
L'pool (Bidston)	bccq	qcq	bcprh	qphrq
Harrogate	qsocbcio	cp-b	b	bbccs
Spurn Head	cq	cqbc	bcq	bcs
Tynemouth	bcq	bcq	bc	bccpso
Inchkeith	bcc	cbc	bc	bcpsc
Leuchars	bbcqbcc	cbcybyq	byqbc	bcc
Renfrew	cprocbc	bcprsq	cpsb	cpsbc
Eskdalemuir	bcprso	bcprsbybx	bxbcx	bcxosbc
Tiree	bc(ps)	cbcprshq	bcphr q	bc
Stornoway	rssr	bcps	bcprs	bcpsh
Dalwhinnie	psops	bcKsc	cpsbc	cpsbc
Aberdeen	prhbc	pcprhcq	cqbczo	bcy
Wick	cprhqbc	bccpsc	cpsbc	bcc
Lerwick	orr	cbc	bcc	cpso
Blacksod Point	prqc	prqc	prqc	prqc
Malin Head	bcqphr	bcqphr	oqphrs	cqphr
Aldergrove	bcbbcqprs	oprhs	bcprs	psoss
Donaghadee	bbcq	prsbc	cprs	oprs
Birr Castle	cIroc	cproc	c	cproc
Valentia Obsy.	cpbcpobc	bcpopnqpc	pr	circ
Roches Point	bccp	bcpqb	bbc	bcpq 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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

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.

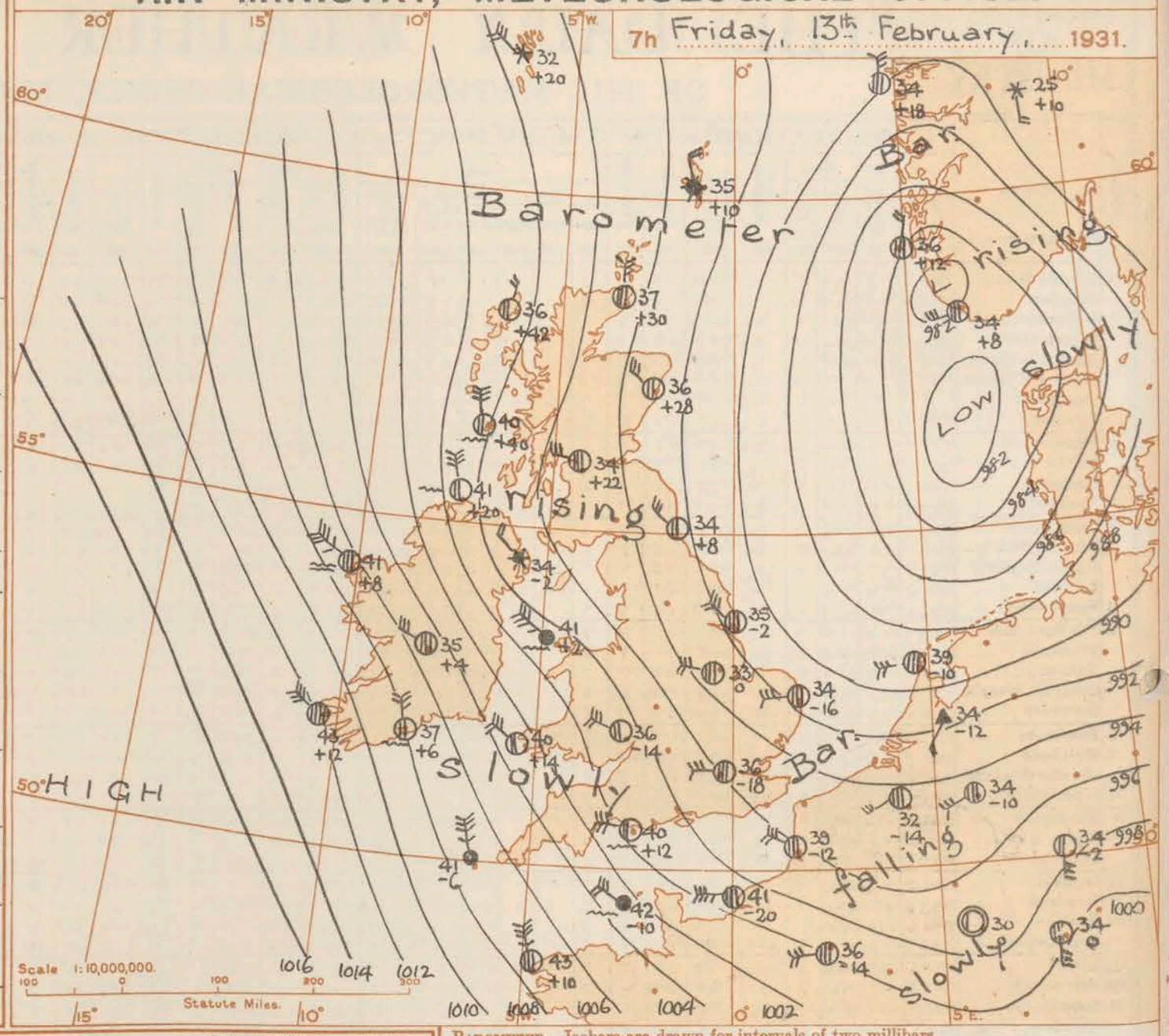
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 12th FEBRUARY 1931.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 11th to 9h. 12th	Temperature. Max. 9h.—17h. 11th	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.	cbc	bc	34	45	10	-	7·0	2·2
	Bournemouth	b	b	36	46	4	-	6.7	1.0
	Ventnor ...	orb	b	36	46	3	-	7.1	1.5
	Southsea ...	b	b	38	46	4	-	7.4	1.5
	Bognor Regis	bcb	bbc	37	46	4	-	7.0	2.3
	Littlehampton	bc	bc	36	47	4	-	7.5	2.5
	Worthing ...	b	b	35	47	4	-	7.6	1.8
	Brighton ...	bc	bc	37	46	3	-	7.3	2.5
	Eastbourne†	bbc	bc	35	48	4	-	7.0	2·5
	Hastings† ...	bc	bcc	35	47	9	-	6.7	2·5
	Folkestone ...	rbbc	bcb	36	46	10	-	8·0	2·0
	Dover... ...	ybbc	bcby	38	46	8	-	8·4	2.7
	Deal	b	b	36	44	16	-	7·7	2.7
	Ramsgate ...	b	bm	34	43	9	-	7·2	3.8
	Margate ...	bcb	bbc	36	44	8	-	8·1	3·8
2	Southend ...	bc	bcc	36	45	4	-	7.4	3.0
	Maldon ...	b	bbc	36	46	5	-	7.3	2·2
	Clacton-on-Sea	bcy	bcy	36	43	7	-	4·9	2·9
	Dovercourt ...	rbc	bc	37	44	9	-	4.7	3·3
	Lowestoft ...	bbcrs	bcc	35	40	11	Trace	3.0	3.0
	Skegness ...	obc	bcm.	34	43	1	-	3.6	2·2
	Mablethorpe	bcm.	bc	35	44	3	-	4·1	0.8
	Cleethorpes ...	ocb	bcr.c	35	44	4	Trace	2·9	1·1
3	Leamington S.	bbc	bcc	35	44	1	-	6·3	2·5
4	Cheltenham†	bcc	cpbc	35	48	3	0·3	6.1	1·1
5	Bath	bcb	bccph	38	45	4	Trace	4·0	1·3
	Weymouth ...	cbcb	bcbdb	39	47	3	Trace	4·4	1.4
	Jersey ...	crb	bcp	41	48	5	2	2·3	1·5
	Torquay ...	bcqp	bcqpbc	39	48	4	Trace	4.7	0.4
	Penzance ...	cir	cbirc	42	50	7	3	2·3	0·2
	St. Ives ...	c	c	40	48	6	-	1·4	0.0
	Bude	qprhc	qp.	39	45	2	0·2	0.7	0.0
	Ilfracombe ...	opc	cphbc	39	45	3	1	0.2	0.0
6	Aberystwyth	cirbc	bcprs	39	43	1	1	4·3	0.0
7	Llandudno ...	cbc	bcc	39	43	0·2	-	4·1	0.0
	Colwyn Bay...	oc	cbco	38	43	0.5	-	2·7	0.0
	Rhyl	cbc	bc	39	43	0.6	-	4·5	0.2
8	Wallasey ...	bc	bcc	36	43	1	-	1·3	0.4
	Southport‖ ...	qcbcc	bccpc	38	43	1	0.1	3.4	0.1
	Blackpool ...	cbc	cphr	38	43	1	1	3·3	0.0
	Morecambe ...	rbbc	bcchb	37	42	2	2	3·1	0.0
9	Ilkley... ...	prsb	bprsb	34	42	2	5	3·3	1.7
10	Berwick-on-T.	bc	bcbc	35	43	Trace	-	5.6	1.9
11	Dunbar ...	bcm.	bcb	35	42	0·5	-	2·9	2·4
12	Douglas ...	bcqcb	Rhbc	35	42	0·5	1	7.0	0.9

† 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 the wind. Number of feathers indicate Beaufort force. Calm. = ⊙
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. ▲ 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., 1931.
▼1. S.E. England ▼2. E. England... 3. E. Midlands	Fresh westerly to northwesterly winds, stronger in squalls; bright intervals; showers of rain or sleet with snow locally: cold.
4. W. Midlands ▼5. S.W. England ▼6. South Wales	Fresh or strong northerly wind, stronger in squalls; bright intervals; showers of rain, hail or sleet; cold.
▼7. North Wales ▼8. N.W. England 9. N. Midlands ▼10. N.E. England ▼11. S.E. Scotland ▼12. S.W. Scotland & Isle of Man ▼13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland ▼15. N.E. Scotland ▼16. Orkneys and Shetlands. ▼17. N.W. Ireland ▼18. N.E. Ireland	Fresh or strong northerly winds, stronger in squalls; bright intervals; showers of rain, hail or sleet, with snow locally; cold.
▼19. S.E. Ireland ▼20. S.W. Ireland	As 4 - 6.

GENERAL INFERENCE.

Small secondary disturbances will travel from north to south across the British Isles causing cold unsettled conditions generally with showers of rain, hail or sleet in most districts and some snow especially in the North. The intense anticyclone which has been stationary near the Azores is beginning to diminish before the growth and slow eastward advance of an Atlantic depression.

FURTHER OUTLOOK.

Little change in most districts but perhaps becoming milder in the extreme west later with backing winds.

Time of issue of Gale Warning.
▼ South cone at 0800 on 11th in 1,2,5,6,7,8,10, 11,12, 13A, 13B, 15,16,17,18,19, 20.

Forecasts issued at 0930 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2 Pk 2499/2189 m 26 D 8024 Pk 508 28280 2/31

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
13th February 1931.
No. 25285

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)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1000.4	-8	W'S	4	bc	35	85	6	4	-	-	2-3	2-3	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ..	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1001.7	-10	WSW	4	b	36	85	7	-	-	-	0	0	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	999.2	-10	W	5	b	34	85	7	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	994.8	-4	W'N	3	b	34	85	7	-	-	-	0	0	-
	Cranwell ...	240	995.3	-16	W'S	4	b	33	95	6	-	-	-	0	0	-
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	1002.4	-8	W'N	6	bc	43	65	8	4	-	-	2-3	2-3	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1007.7	-2	WNW	5	bc/pr	43	75	7	3	-	-	4-6	4-6	4000
	Scilly (St. Mary's)	163	1008.4	-4	NW	7	bc	45	75	7	2	-	-	2-3	2-3	4000
	Guernsey ...	175	1005.7	0	NW	3	b	43	85	9	-	-	-	0	0	-
6	Pembroke ...	142	1003.4	-8	WNW	5	q	43	85	8	8	-	-	4-6	4-6	4000
7	Holyhead ...	26	999.9	-10	WNW	8	pr	41	75	7	8	-	-	4-6	4-6	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	991.8	-2	WNW	6	bc	36	95	7	-	2	-	0	2-3	-
	Tynemouth ...	67	991.0	-12	W	3	bc	33	85	7	2	-	-	2-3	2-3	2500
11	Inchkeith ...	190	992.3	-4	W	4	bc	33	85	8	5	8	-	4-6	4-6	4000
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	990.0	0	NW	4	ps	35	95	6	6	-	-	10	10	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	988.4	+12	N	4	bc	38	75	8	3	1	88	2-3	4-6	2500
16	Lerwick ...	54	988.4	+12	N	3	c	37	65	8	8	2	-	4-6	9	1500
17	Blacksod Point	18	1005.9	+4	W'N	9	q	41	85	6	9	-	-	9+	9+	<150
18	Malin Head ...	52	997.2	-2	NW'N	6	prs₀	39	95	7	9	-	-	7-8	7-8	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1009.9	0	W	7	ir	44	95	7	3	-	-	10	10	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 13th FEBRUARY — **PAST 24 HOURS.**

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 12th Hrs. (36)
London (Kew)...	996.0	-16	W	3	r	37	75	6	6	2	-	9	9+	1500	1	*	44	35	29	-	Tr	5.1
Croydon	996.8	-18	W	4	c	36	85	6	8	1	-	4-6	7-8	800	1	*	44	35	30	-	-	5.4
S. Farnborough	997.2	-12	W	3	c	35	55	8	5	7	3	4-6	9+	800	1	*	46	34	27	0.1	-	7.5
Winchester	998.2	-14	WNW	5	c/pr	35	85	8	9	1	3	4-6	7-8	2500	1	*	45	35	32	-	Tr	7.4
Boscombe Down	998.8	-2	SW	4	c/ps	34	95	7	5	-	-	9	9	2500	6	*	43	33	33	-	0.6	
Calshot, (S'thmtn)	998.2	-18	WNW	5	pr	36	88	7	8	-	3	4-6 (~~7-8~~)	7-8	2500	1	2	46	38	29	-	0.1	7.8
Dungeness	*	*	W	4	c	*	*	7	5	-	*	7-8	7-8	2500	*	3	46	34	*	Tr	-	*
Lympne	995.8	-14	W	3	c	34	85	8	5	2	-	4-6	10	800	4	*	44	32	29	-	-	8.3
Shoeburyness	994.7	-22	WNW	5	c	36	85	7	4	7	9	2-3	7-8	5700	0	*	45	33	29	-	-	7.6
Felixstowe	993.9	-14	W'S	4	c/ps	35	95	7	5	1	-	7-8	9	1500	1	2	44	34	30	-	Tr	3.6
Gorleston	991.4	-16	W	4	c	34	95	7	4	-	-	4-6	4-6 (~~9+~~)	2500	4	2	42	33	30	Tr	-	0.0
Cranwell	992.6	0	NW'W	5	c/s	33	95	6	6	-	-	7-8	7-8	800	7	*	42	31	30	-	0.6	2.2
Cardington	995.3	-12	WNW	4	is	35	85	5	6	7	-	9	9+	1500	6	*	43	32	30	-	0.1 (~~0.5~~)	7.0
Birmingham	997.0	-2	WNW	5	ps	33	95	6	6	-	-	9	9	1500	7	*	42	32	31	Tr	2	6.0
Upper Heyford	996.9	-10	NW	6	s₀s₀	35	85	8	6	1	-	7-8	7-8	1600	7	*	43	33	29	0.1	0.1	
Leafield	996.4	+2	NW	6	ps	32	95	4	6	9	-	7-8	7-8	450	7	*	42	32	30	Tr	0.1	6.9
Ross-on-Wye	998.3	-14	NW'W	5	bc	36	75	8	8	-	-	2-3	2-3	4000	1	*	44	33	30	Tr	2	4.8
Portland Bill	998.6	-12	NW'W	6	bc	40	75	8	8	-	-	4-6	4-6	2500	1	4	45	39	*	0.2	-	*
Plymouth	1003.7	-14	NW	5	bc/p	41	55	8	9	-	-	2-3	2-3	1500	1	2	47	37		0.2	1	1.9
Falmouth	1006.4	-10	NNW	6	PH(R)	41	85	7	3	2	-	4-6	7-8	4000	6	3	48	39	*	1	3	3.7
Scilly (St. Mary's)	1007.3	-6	N'W	8	pr	41	95	7	3	-	-	4-6	4-6	4000	1	5	47	41	*	2	1	0.2
Guernsey	1003.1	-10	NW	5	pr	42	75	9	3	-	-	7-8	7-8	2500	1	4	48	41	35	1	1	1.1
Pembroke	1002.2	+14	NW'W	5	q	40	85	7	3	8	-	4-6	4-6	1500	0	3	45	39	*	0.1	-	0.5
Holyhead	999.5	+2	NW	7	pr	41	75	8	5	-	-	10	10	2500	1	4	44	39	36	0.1	0.2	5.8
Chester (Sealand)	996.4	+10	NW'W	6	bc/ph	38	75	8	8	-	-	4-6	4-6	1500	1	*	43	36	32	Tr	3	4.6
L'pool (Bidston)	995.6	+6	WNW	6	q	37	85	7	3	-	-	4-6	4-6	2500	1	*	41	33	32	-	1	3.2
Harrogate	993.1	0	SW	3	c	33	85	8	-	7	8	0	7-8	-	8	*	42	32	28	1	0.1	3.8
Spurn Head	990.9	-2	NW'N	5	c	35	85	6	4	2	-	4-6	7-8	4000	0	5	(41)	34	*	-	-	1.5
Tynemouth	992.0	+8	NW	3	bc	34	95	7	2	-	-	4-6	4-6	2500	6	2	44	31	26	-	0.2	*
Inchkeith	994.0	+22	W	3	c	35	85	8	5	7	-	4-6	9	2500	0	1	42	31	31	-	0.1	3.7
Leuchars	994.9	+28	NNW	2	c	36	75	7	4	6	1	9	9	4000	4	*	43	33	30	-	-	5.4
Renfrew	996.0	+22	W'N	3	c	34	85	7	5	-	-	9+	9+	2500	8	*	43	32	27	1	0.6	5.6
Eskdalemuir	995.2	+26	-	0	bc	30	85	8	5	-	-	4-6	4-6	4000	8	*	39	29		0.1	1	7.0
Tiree	998.3	+40	N'W	6	bc	40	75	9	5	7	-	2-3	2-3	2500	0	4	42	35	32	1	1	5.4
Stornoway	998.5	+42	NNE	2	bc	36	85	7	2	-	-	4-6	4-6	4000	6	2	40	33	*	7	8	1.9
Dalwhinnie	995.7	+36	N	3	bc	29	85	8	-	6	-	0	4-6	5700	9	*	36	27	21	1	1	2.5
Aberdeen	993.7	+28	NW	3	bc	36	55	8	5	-	1	Tr	2-3	2500	4	2	42	33	30	0.6	-	4.8
Wick	994.4	+30	N	4	c	37	85	8	8	1	8	4-6	7-8	2500	1	3	40	33	*	0.6	0.6	*
Lerwick	993.4	+20	N'W	2	ps	35	75	8	8	2	-	4-6	7-8	1500	0	*	38	35	*	4	Tr	0.9
Blacksod Point	1007.7	+8	NW	8	q	41	85	7	9	-	-	7-8	7-8	1500	0	7	45	36	*	1	1	*
Malin Head	999.5	+20	NNW	6	bc/ph	41	95	7	3	-	-	4-6	4-6	1500	1	5	42	38	*	3	4	0.0
Aldergrove	997.8	-6	W'N	4	rs	34	95	6	6	-	-	10	10	800	7	*	41	33	29	1	8	6.0
Donaghadee	996.8	-2	NW	2	prs	34	95	7	6	-	-	10	10	800	1	1	42	33	*	0.6	4	*
Birr Castle	1005.9	+4	WNW	3	c	35	85	8	8	-	-	9+	9+	2500	1	*	44	34	32	0.1	Tr	3.3
Valentia Obsy.†	1012.0	+12	NW	6	o	43	65	8	6	-	-	10	10	1500	1		47	39	38	2	5	2.6
Roches Point	1008.0	+6	N	5	bc	37	85	8	3	-	-	4-6	4-6	1500	1	5	47	35	*	2	2	*

LONDON OBSERVATIONS.
Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
		24 hrs. ended 9h.											
Kew	18	bccy	cy	bbcq₀d₀y	44	35	29	-	Tr	5.1	•	•	7
Croydon	217	bcybccqy	cqybz₀	bbczbcbz	44	35	30	-	-	5.4	•	•	6
Greenwich (Royal Observatory)	149	cqy	cqby	bxcd₀	45	34	26	-	0.3	3.2	48	79	5
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	4.6	•	•	•
Westminster (St. James' Park)	27	•	•	•	46	35	28	0.4		4.8	51	75	•
Regents Pk. (Botanic Gardens)	168	•	•	•	•	•	•	•		4.9	•	•	•
Camden Square	110	cbc	c	•	44	35	30	0.3	0.3	•	•	82	•
Kensington Palace	80	bcbc	bcb	•	45	35	29	-	0.4	•	At 18h. 68	82	•
Hampstead Observatory	450	bcbcm	bcmbm	•	43	31	25	Tr	Tr	5.6	•	83	•

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

	Max.	Time.	Min.	Time.
South Kensington.	1.0	18hn 12th	<0.3	1-6hn 13th
Kew Observatory.	0.2	18hn 12th	<0.1	3-5hn 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.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1005.7	W	7	pr	43	1000.6	SW	1	pr	37	46	36	Tr	0.3
Brussels	999.6	WNW	4	r₀	39	995.0	WSW	3	qp	32	48	32	1	Tr
Berlin	995.9	WSW	3	rs	36	993.7	SW	2	c	34	43	34	3	—
Zürich	1009.2	W	3	rs	36	1002.3	SW	1	3	32	41	32	3	15
Rome	1010.3	N	2	c	50	1003.3	S	3	c	36		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.

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

COLUMN 30.—Code for State of Sea.
0 Calm. 5 Very rough.
1 Smooth. 6 High.
2 Slight. 7 Very high.
3 Moderate. 8 Precipitous.
4 Rough. 9 Confused.

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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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 14th February 1931.

No. 25.286

OBSERVATIONS at 13h. G.M.T. 13th 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)	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)...	998.0	+14	NW	4	c	40	65	7	8	2	-	9	9+	2500
	Croydon ...	998.3	+10	NW	4	z	39	65	6	8	2	-	9	10	1500
	S. Farnborough	998.2	+6	NW	4	c	40	65	8	8	-	-	9+	9+	2500
	Winchester ...	999.3	+14	NW/N	5	c	42	65	8	8	-	-	9	9	2500
	Boscombe Down	999.3	+6	NW	5	c	41	75	8	4	9	-	7-8	7-8	4000
	Calshot, S'thmtn	998.5	0	NW/N	6	c	43	65	8	8	-	-	7-8	7-8	2500
	Dungeness ...	*	*	NNW	4	c	*	*	7	5	7	*	4-6	7-8	2500
	Lympne ...	995.5	+6	NW	5	z	37	75	6	5	2	-	7-8	9+	1500
2	Shoeburyness	995.8	+6	NW/N	6	ps	39	75	8	5	2	-	7-8	10	1500
	Felixstowe ...	994.4	+6	NW/N	4	iro	38	75	6	6	2	-	4-6	10	800
	Gorleston ...	991.9	-4	NW	5	rso	35	95	6	6	-	-	10	10	800
	Cranwell ...	996.8	+22	NW	5	c	40	65	7	7	3	8	7-8	9	2500
3	Cardington ...	997.2	+14	NW/N	5	c	40	65	6	7	-	2	1	9	2500
	Birmingham ...	1000.0	-18	NNW	4	cjp	39	65	5	6	-	-	7-8	7-8	2500
	Upper Heyford	998.8	+20	NNW	5	q	40	75	6	5	-	-	7-8	7-8	1500
	Leafield ...	998.9	+20	NW/N	6	c	39	75	8	8	-	-	7-8	7-8	4000
4	Ross-on-Wye ...	1000.8	+10	NNW	4	c	42	65	8	7	-	-	7-8	7-8	4000
5	Portland Bill...	1000.0	+10	NW/N	6	ir	41	75	7	4	-	-	9	9	2500
	Plymouth ...	1004.5	-6	NW/N	5	c/phr	40	85	7	9	-	-	9+	9+	1500
	Falmouth ...	1006.8	-6	NW	7	c	44	65	8	3	3	-	4-6	7-8	4000
	Scilly (St. Mary's)	1008.4	0	NNW	8	bc	46	65	7	8	-	-	4-6	4-6	4000
	Guernsey ...	1002.7	-2	NW	5	c	44	55	7	5	-	-	9	9	2500
6	Pembroke ...	1004.3	+14	NW	6	q	42	95	7	3	8	-	1	4-6	1500
7	Holyhead ...	1003.2	+36	N/W	7	bcjp	43	75	6	8	-	9	4-6	4-6	1500
	Chester (Sealand)	1001.2	+30	NW/N	4	bc	43	65	8	3	-	1	2-3	4-6	4000
8	L'pool (Bidston)	1001.2	+30	NW/N	4	bc	41	75	8	8	3	-	2-3	2-3	2500
9	Harrogate ...	999.8	+26	NNW	3	bc	40	65	8	6	-	9	1	2-3	4000
10	Spurn Head ...	994.2	+6	N/W	7	q	39	85	7	2	7	8	2-3	9	4000
	Tynemouth ...	998.8	+32	NNW	3	bc	40	85	8	2	-	-	4-6	4-6	2500
11	Inchkeith ...	1001.7	+22	NW	3	bc	40	75	8	1	7	-	1	4-6	4000
	Leuchars ...	1000.6	+18	NW	4	bc	41	55	9	1	3	-	1	2-3	4000
12	Renfrew ...	1005.0	+40	NW	3	c	41	55	8	4	7	1	1	9	2500
	Eskdalemuir ...	1001.5	+30	N	4	b	37	55	8	1	4	1	Tr.	Tr.	2500
13A	Tiree ...	1005.2	+14	NNW	4	c/phr	37	85	9	3	-	3	7-8	7-8	1500
13B	Stornoway ...	1003.4	+18	NW	2	c	35	85	7	6	-	-	9+	9+	4000
15	Dalwhinnie ...	1003.2	+14	NNW	3	bc	33	95	8	8	4	-	2-3	4-6	5700
	Aberdeen ...	999.7	+18	NW	5	bc	39	65	8	3	-	3	1	2-3	2500
	Wick ...	999.8	+16	NNW	5	ps	38	85	8	6	7	-	7-8	9	1500
16	Lerwick ...	995.5	+14	N/W	2	bc/ps	36	95	8	8	-	-	4-6	4-6	1500
17	Blacksod Point	1012.6	+42	N	7	q	44	65	8	9	-	-	7-8	7-8	450
18	Malin Head ...	1005.6	+30	NNW	6	c/pr	39	95	7	3	6	-	4-6	7-8	2500
	Aldergrove ...	1005.5	+28	NW/N	4	cjp	40	75	8	9	3	3	2-3	7-8	2500
	Donaghadee ...	1004.3	+32	NNW	4	c	42	65	8	5	-	-	7-8	7-8	1500
19	Birr Castle ...	1009.8	+20	NW	3	pro	42	65	7	3	-	5	4-6	9	2500
20	Valentia Obsy.	1015.9	+14	NW	6	c/pr	42	75	8	9	-	-	7-8	7-8	1500
	Roches Point...	1010.9	+22	N	6	bc	44	75	8	3	-	-	4-6	4-6	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)	Weather 7h.-13h. 13th (37)	Weather 13h.-18h. 13th (38)	Weather 18h. 13th to 1h. 14th (39)	Weather 1h.-7h. 14th (40)
London (Kew)...	1002.7	+38	NW/N	4	c	41	55	6	8	-	-	7-8	7-8	2500	1	*	bccsoc	bczo	bczobzo	bzox
Croydon ...	1002.2	+28	NW/N	4	z	40	65	5	5	2	-	7-8	9+	1500	1	*	cosspsozo	czobczy	cbcbmo	bbcmo
S. Farnborough	1002.3	+26	NW/N	2	c	38	65	6	5	-	-	9	9	2500	1	*	cbcvphoc	cbcmobycmo	cmopmox	bmox
Winchester ...	1003.5	+30	NNW	4	bc	37	65	7	4	-	-	2-3	2-3	4000	1	*	cpso bcc	cbcb	b	bx
Boscombe Down	1003.9	+22	N/W	5	bc	38	75	7	5	-	-	4-6	4-6	4000	1	*	cbcc	bc	bcb	bx
Calshot, S'thmtn	1003.2	+30	N/W	5	b	40	65	7	4	-	-	1	1	4000	0	3	bcq	bcqyb	bw	bwxmo
Dungeness ...	*	*	NNW	5	c	*	*	7	5	2	*	4-6	9+	1500	*	3	bc	o	*	bc
Lympne ...	998.5	+24	NW/N	6	c/s	38	75	6	8	2	-	7-8	9+	1500	1	*	cossfc	csomo	cbbmo	bcmo
Shoeburyness	1000.3	+32	NNW	6	c/ps	40	75	8	5	2	-	7-8	9	1500	0	*	cpsc	copsoc	cb	bcb
Felixstowe ...	999.6	+42	NW/N	3	iro	37	85	7	6	-	-	7-8	7-8	800	1	3	cpsossbc	cromobrq	crrybq	b-oss
Gorleston ...	997.4	+28	NNW	5	iro	39	95	6	9	-	-	9	9	1500	1	4	bcosoo	osoirq	bcprnobq	bcprhq
Cranwell ...	1002.4	+32	NW/N	4	c	37	75	6	5	-	-	9	9	2500	1	*	cmo	czoprho	czob	bzobc
Cardington ...	1002.4	+34	NW/N	4	c	39	65	6	5	-	-	9	9	2500	1	*	cps, cq	cmoy	cmobcb	b bx
Birmingham ...	1005.4	+30	NNW	4	bc	37	65	6	5	-	-	4-6	4-6	5700	3	*	cpsbc	bc	bcb	bx
Upper Heyford	1003.8	+34	NNW	4	c	37	65	7	5	-	-	7-8	7-8	2500	1	*	csobccq	bcqbbc	bcbw	bx
Leafield ...	1003.9	+26	NNW	4	bc	35	75	7	8	-	-	4-6	4-6	4000	1	*	bcpsoc	cbc	bx	bx
Ross-on-Wye ...	1005.5	+26	N/W	3	bc	38	65	8	5	-	3	1	2-3	4000	1	*	bcc	cbccphbc	b	bbx
Portland Bill...	1004.0	+18	NW	5	bc	42	65	8	4	-	-	4-6	4-6	2500	1	3	bcc	cirbc	b	b
Plymouth ...	1007.4	+16	NNW	5	bc/pr	42	75	8	3	-	-	4-6	4-6	1500	1	2	cprh	bccprhq	bcqPR	cpropob
Falmouth ...	1010.3	+20	NW/N	6	c	44	65	8	8	-	-	7-8	7-8	4000	0	4	bcPHq	bcpoq	bcPq	bcq
Scilly (St. Mary's)	1011.0	+30	NNW	8	c	44	65	7	2	-	8	4-6	7-8	4000	0	5	cbcp	c	cbc	bc
Guernsey ...	1006.2	+38	N	3	bc	42	65	9	5	-	-	4-6	4-6	2500	1	4	cbcc	cphbc	bc	bc
Pembroke ...	1008.2	+18	NW	5	q	41	95	8	3	8	9	4-6	7-8	1500	0	3	cprhoq	cpoq	cbcpq	bbcq
Holyhead ...	1008.1	+22	N/W	6	u	41	85	8	8	8	3	7-8	9	2500	1	4	prhqrbc	bcc,prhoq	c,prhq	bcb
Chester (Sealand)	1006.3	+32	NW/N	4	c	39	75	7	8	-	5	4-6	7-8	4000	1	*	bcjp	bc	bcphob	phob
L'pool (Bidston)	1006.2	+24	NW/N	4	c	39	65	8	5	-	6	4-6	7-8	2500	0	*	pocb	obcc	bcbb	b
Harrogate ...	1003.8	+26	NW	3	b	36	65	7	6	3	-	1	1	4000	1	*	cbc	bcb	b	b
Spurn Head ...	1000.5	+16	NW/N	6	phr	37	95	7	3	7	-	4-6	9	4000	1	6	cq	cbcprq	cbrph	cprphps
Tynemouth ...	1002.9	+20	NW	2	bc	37	75	6	8	-	-	4-6	4-6	2500	0	3	bcq	bcq	bc	bc
Inchkeith ...	1005.2	+22	NNW	2	bc	39	65	8	-	9	-	0	4-6	-	0	0	cbc	bcc	bcb	bbc
Leuchars ...	1004.9	+30	N/W	3	b	35	55	8	5	-	-	1	1	4000	1	*	cbcbvy	bvbcyb	bbx	obcx
Renfrew ...	1006.8	+20	NW	2	bc	35	35	8	5	-	-	4-6	4-6	2500	1	*	cbcc	cybc	bcb	bbc
Eskdalemuir ...	1005.0	+20	N/W	5	bc	33	65	7	5	-	1	2-3	2-3	2500	6	*	cpsoby	bybcyb	bbx	bxbcv
Tiree ...	1009.4	+30	N/W	5	phr	38	85	8	3	-	3	4-6	4-6	1500	1	4	cphr	cPHRphrq	bcido	c
Stornoway ...	1008.2	+32	NW	2	cjp	36	75	7	9	6	-	4-6	7-8	4000	2	1	cphs	bcpsh	opsbc	bcc
Dalwhinnie ...	1006.5	+28	NNW	2	bc	31	45	6	5	-	-	4-6	4-6	2500	9	*	bcpshbc	bcpsc	cpsc	c
Aberdeen ...	1003.8	+30	NW	4	ps	35	85	7	9	-	-	7-8	7-8	2500	1	2	cpsbcbq	bccpsrshq	bcpso	bcps
Wick ...	1003.7	+24	NNW	4	c	35	95	8	9	6	-	4-6	7-8	1500	1	3	psPHcpsq	cphps	bcprrshs	bcps
Lerwick ...	1000.1	+16	N/W	3	bc	36	85	8	8	-	-	4-6	4-6	1000	6	*	cbcpso	bcossobc	bccpsbc	bc
Blacksod Point	1016.5	+28	N	7	q	42	75	8	9	-	-	7-8	7-8	450	0	7	prqc	phrqc	prc	prc
Malin Head ...	1009.5	+24	NNW	6	bc/ps	40	85	7	9	-	-	4-6	4-6	1500	1	5	bcbpro	cbcprs	bcprsbc	bbcc
Aldergrove ...	1009.7	+18	NW	4	bc/ps	35	95	7	9	-	8	2-3	2-3	2500	6	*	prsbc	cprsbc	bcprobcx	bcxcx
Donaghadee ...	1007.5	+18	NNW	6	iro	38	85	7	6	-	-	9	9	800	1	3	PRSc	ccirq	irocq	cbc
Birr Castle ...	1013.1	+14	NNW	1	bc	38	75	8	-	5	9	0	4-6	-	1	*	cpro	cbc	bcpro	bcbxco
Valentia Obsy.	1017.5	+10	NW/N	5	pro	43	75	8	5	-	-	7-8	7-8	1500	1	4	cphrcpqc	cqcpo	cpro	c
Roches Point...	1012.7	+18	N	6	bc	43	75	8	3	-	-	2-3	2-3	1500	0	4	bcqbc	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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

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.

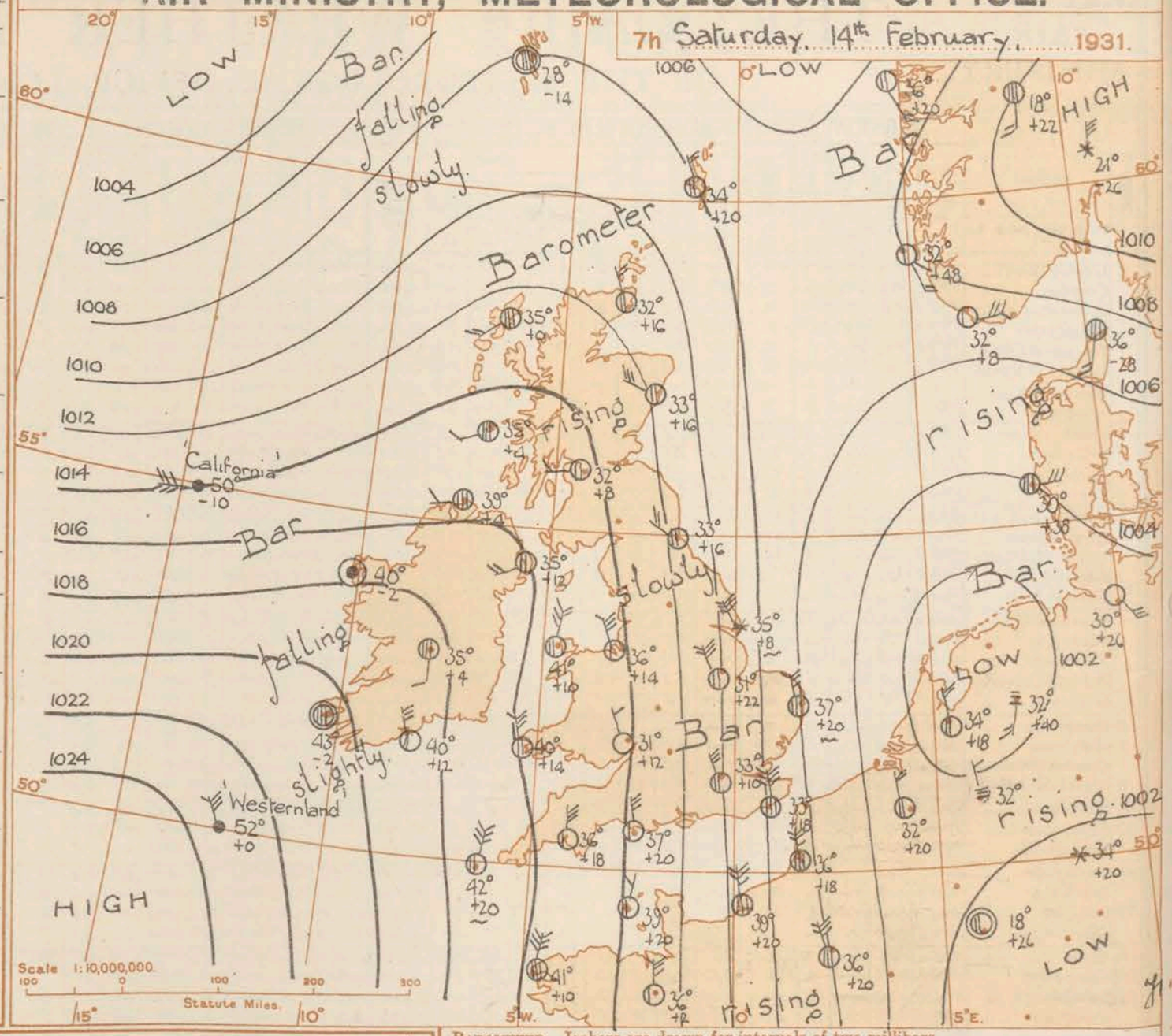
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 13th February 1931.

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.	ospco	oco	34	40	0.3	-	0.8	7.0
	Bournemouth	o	b	35	44	0.5	-	8.2	6.7
	Ventnor ...	ocsb	b	35	44	0.3	-	8.0	7.1
	Southsea ...	b	b	36	46	-	-	6.8	7.4
	Bognor Regis	bbcb	bccbc	35	43	-	-	5.1	7.0
	Littlehampton	bc	bc	34	44	-	-	6.2	7.5
	Worthing ...	b	b	34	43	Trace	-	7.6	7.6
	Brighton ...	cbc	bcb	35	44	-	-	7.4	7.3
	Eastbourne†	bc	bcb	35	43	-	-	6.0	7.0
	Hastings† ...	cbc	cbc	33	42	-	-	4.1	6.7
	Folkestone ...	xcosc	coroc	32	41	Trace	0.4	0.9	8.0
	Dover... ...	ccpsg	crq	34	41	1	4	0.8	8.4
	Deal	bcors	o	34	40	Trace	Trace	1.4	7.7
	Ramsgate ...	cbcc	c	35	40	-	-	1.5	7.2
	Margate ...	cdbc	c	35	41	-	Trace	1.3	8.1
2	Southend ...	shbc	bcc	33	42	0.1	Trace	1.4	7.4
	Maldon ...	sqc	c	33	41	1	0.3	0.6	7.3
	Clacton-on-Sea	cprsc	cprbc	33	40	1	0.4	1.0	4.9
	Dovercourt ...	oco	bcc	32	39	3	1	0.0	4.7
	Lowestoft ...	bosr	osrhc	33	37	-	3	1.0	3.0
	Skegness ...	bcm	bcm	32	42	Trace	-	3.7	3.6
	Mablethorpe	bc	bccq	32	42	-	Trace	4.1	4.1
	Cleethorpes ...	cir	irsco	32	40	-	1	2.7	2.9
3	Leamington S.	bc	bc	33	42	2	-	4.3	6.3
4	Cheltenham†	bbc	bcc	33	41	0.5	-	3.1	6.1
5	Bath	bbcc	cbc	35	43	1	-	4.6	4.0
	Weymouth ...	bbc	cpcb	35	44	0.7	Trace	5.2	4.4
	Jersey ...	pcbc	pcbc	40	46	2	0.2	5.5	2.3
	Torquay ...	bcqph	bcqpb	38	44	2	0.2	6.5	4.7
	Penzance ...	cbq	bq	40	47	2	-	5.0	2.3
	St. Ives ...	bchbc	c	40	45	1	1	4.6	1.4
	Bude	bcprn	bcprh	36	45	1	0.4	2.1	0.7
	Ilfracombe ...	bcp	cpcbc	40	45	1	1	1.9	0.2
6	Aberystwyth	cprsh	bcph	36	42	2	1	3.8	4.3
	Llandudno ...	cpc	c	37	43	1	Trace	1.0	4.1
	Colwyn Bay...	obccc	cbcc	36	42	1	-	1.2	2.7
	Rhyl	cbcc	cbc	33	42	6	-	2.8	4.5
8	Wallasey ...	bc	bcbc	34	42	2	-	7.3	1.3
	Southport‖ ...	bbcb	bbcc	35	42	0.4	-	7.0	3.4
	Blackpool ...	cbc	bcc	33	43	4	-	7.4	3.3
	Morecambe ...	b	b	34	42	3	-	4.7	3.1
9	Ilkley... ...	bc	bc	32	41	Trace	-	5.0	3.3
10	Berwick-on-T.	bc	bc	32	40	Trace	-	6.4	5.6
11	Dumbar ...	c	bc	32	42	-	-	3.2	2.9
12	Douglas ...	xbcbc	bccps	33	42	3	Trace	6.5	7.0

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



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with the wind. Number of feathers indicate Beaufort force. Calm, -⊙
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. ▲ Hail. ≡ Fog. ≡° Mist. ⊤ Thunder. ⊤̸ Thunderstorm.
SEA DISTURBANCE. ~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 14th Feb., 1931.

Districts.	Forecasts
1. S.E. England 2. E. England... 3. E. Midlands	Fresh northerly winds backing westerly or southwesterly; mainly fair and cold today; some rain perhaps and milder tomorrow.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Winds backing and becoming fresh to strong from between west and south; cloud increasing and lowering; some rain with sleet or snow locally; becoming 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. 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Winds freshening to strong from south and west, reaching gale force probably locally cloudy, some snow, sleet or rain; becoming milder.

GENERAL INFERENCE.

A deep depression over Iceland will deepen more and move quickly eastward while it is probable that associated secondaries will travel northeastward across the British Isles. Unsettled weather with snow and rain and a renewal of strong winds are likely in the North and West of the British Isles while elsewhere conditions will slowly deteriorate.

FURTHER OUTLOOK.

Unsettled.

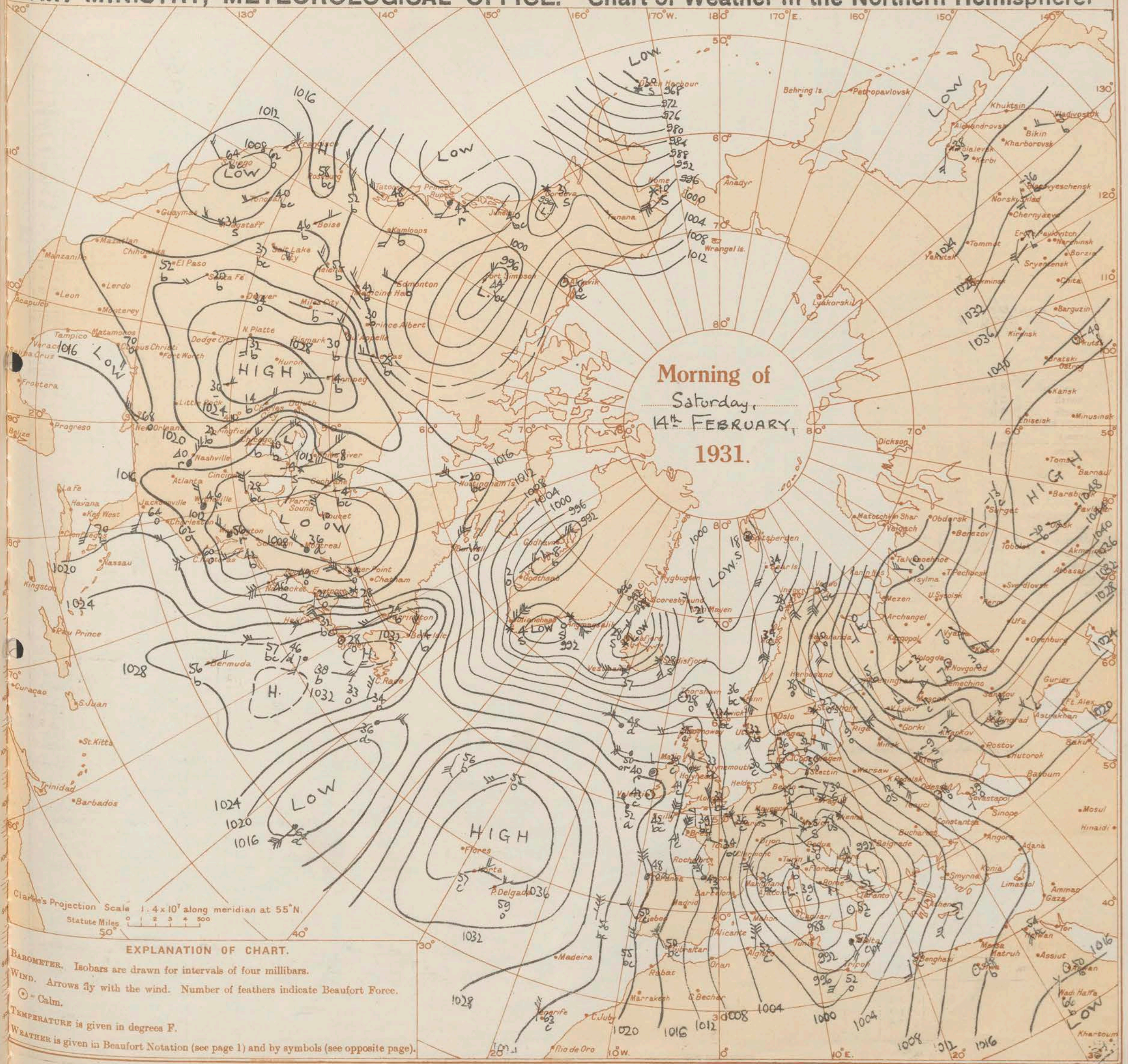
Time of Issue of Gale Warning.
South Cone at 0800 on 11th in 8, 11, 12, 13A, 13B, 15, 16, 17, 18, 19, 20.

Forecasts issued at 0930 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2 Pc 2499/2:89 m. 26 G 6024 Wt 508 28280 2/31

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).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 14th February 1931.

No. 25.286

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)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1008.0	+20	NW	2	z	35	65	6	–	–	–	0	0	–
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1008.3	+22	NW	5	b	35	75	7	–	–	–	0	0	–
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1004.8	+24	NNW	6	z	34	85	6	–	–	–	0	0	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1002.8	+20	NNW	4	b	37	95	7	–	–	–	0	0	–
	Cranwell ...	240	1007.8	+26	NW	5	b	33	76	6	–	–	–	0	0	–
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	1009.6	+22	NNW	4	b	35	65	7	–	–	–	0	0	–
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1013.5	+8	N'W	6	bc	41	55	8	3	–	–	4-6	4-6	4000
	Scilly (St. Mary's)	163	1014.0	+22	N	7	bc	43	75	7	2	–	–	2.3	2.3	4000
	Guernsey ...	175	1010.8	+24	N	2	bc	40	55	8	1	–	–	2.3	2.3	2500
6	Pembroke ...	142	1012.9	+18	NNW	5	q	39	95	8	3	–	–	Tr.	Tr.	1500
7	Holyhead ...	26	1012.6	+22	NNE	5	bc/pr	41	75	8	4	–	–	4-6	4-6	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1005.2	+14	N'W	6	pr	36	95	6	6	–	–	7-8	7-8	2500
	Tynemouth ...	67	1009.2	+20	WNW	2	bc	34	85	7	2	–	–	2-3	2-3	2500
11	Inchkeith ...	190	1012.1	+24	W	2	b	36	75	8	5	–	–	1	1	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1012.5	+12	WNW	1	bc	36	85	7	3	–	–	4-6	4-6	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1009.4	+20	NNW	4	ps	35	95	8	6	1	–	4-6	4-6	1500
16	Lerwick ...	54	1006.0	+26	NW	3	bc	34	85	8	8	–	–	2-3	2-3	1500
17	Blacksod Point	18	1018.5	+20	NW	2	c	42	85	7	3	–	–	7-8	7-8	450
18	Malin Head ...	52	1015.0	+14	N'W	4	b	40	85	8	7	–	–	1	1	4000
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30		+10	WNW	5	c	43	95	8	3	–	–	10	10	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 14th February — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)	Temp. Max. Day 7h-18h °F. (31)	Temp. Min. Night 18h-7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 13th Hrs. (36)
London (Kew)...	1011.3	+26	NNW	4	b	34	65	6	–	1	–	0	Tr	–	4	*	42	33	28	0.1	–	2.9
Croydon	1011.4	+10	NW	3	3	33	75	5	1	–	–	2-3	2-3	800	4	*	41	33	27	0.1	–	1.5
S. Farnborough	1011.9	+18	WNW	3	b	32	75	6	5	–	–	Tr	Tr	4000	1	*	41	31	25	Tr.	–	3.3
Winchester	1013.5	+20	NNW	3	b	32	85	7	–	–	–	0	0	–	4	*	43	31	26	Tr.	–	6.2
Boscombe Down	1014.0	+16	N	3	b	30	95	7	–	–	–	0	0	–	4	*	41	29	28	Tr.	–	
Calshot, (S'thmtn)	1012.1	+18	NNW	5	b	33	85	6	–	–	–	0	0	–	0	2	44	31	28	-	–	7.7
Dungeness	*	*	NNW	4	bc	*	*	7	5	–	*	2-3	2.3	2500	*	2	41	32	*	0.1	Tr	*
Lympne	1007.9	+18	NNW	6	3	33	85	6	5	–	1	7-8	7-8	450	4	*	39	32	29	0.3	–	1.7
Shoeburyness	1009.6	+26	NNW	5	b	33	85	8	–	3	–	0	1	–	4	*	41	32	29	2	–	0.6
Felixstowe	1009.0	+24	NW	4	ss	33	95	3	6	–	–	10	10	450	7	3	39	32	30	3	1	1.0
Gorleston	1006.8	+20	N'W	4	bc/p	37	95	6	9	–	–	4-6	4-6	1500	1	4	39	35	32	3	2	0.0
Cranwell	1011.6	+22	NW	5	bc	31	85	6	–	3	–	0	4-6	–	4	*	42	30	28	Tr.	–	3.4
Cardington	1011.5	+10	NW'N	4	b	31	75	7	–	3	–	0	1	–	1	*	42	30	27	0.3	–	2.5
Birmingham	1014.2	+14	NNW	3	b	32	75	5	–	–	–	0	0	–	1	*	40	31	26	0.1	–	5.2
Upper Heyford	1013.1	+20	NW	4	3	31	75	6	5	–	–	1	1	4000	4	*	40	30	27	Tr.	Tr	
Leafield	1012.8	+14	NNW	5	b	30	75	7	4	–	–	Tr	Tr	4000	4	*	39	29	25	0.2	–	7.0
Ross-on-Wye	1014.8	+12	NW	1	b	31	85	8	–	–	–	0	0	–	4	*	42	31	18	0.1	–	4.0
Portland Bill	1013.8	+30	NNW	3	b	37	75	8	4	–	–	Tr	Tr	2500	1	3	44	34	*	Tr.	–	*
Plymouth	1016.0	+18	N	3	b	36	85	8	3	–	–	1	1	1500	5	1	45	34		/	1	4.5
Falmouth	1017.2	+16	N'W	5	bc	40	75	8	3	3	–	2-3	4-6	4000	0	3	45	39	*	/	0.6	4.3
Scilly (St. Mary's)	1017.9	+20	N'E	6	bc	42	75	8	2	–	–	4-6	4-6	4000	0	5	46	41	*	0.6	–	6.2
Guernsey	1014.1	+20	N	1	bc	39	65	8	8	–	–	4-6	4-6	2500	0	3	45	39	30	0.4	–	5.3
Pembroke	1015.8	+14	NNW	4	bc	40	95	8	3	8	1	2-3	4-6	1500	0	3	45	39	*	Tr.	–	3.2
Holyhead	1015.8	+10	N'E	5	c	41	65	8	7	–	9	4-6	7-8	4000	1	3	45	37	34	2	0.3	4.1
Chester (Sealand)	1015.0	+14	NW'N	4	b	36	75	8	2	–	–	Tr	Tr	4000	0	*	43	33	26	-	Tr	5.1
L'pool (Bidston)	1015.2	+10	NW'W	4	b	37	75	8	7	–	–	1	1	4000	0	*	41	36	30	Tr.	–	6.3
Harrogate	1013.3	+20	SSW	2	b	32	75	8	4	–	–	1	1	~~2500~~ 4000	4	*	40	32	28	-	–	5.0
Spurn Head	1008.9	+8	NW'N	6	ps	35	95	6	6	3	–	7-8	9	4000	6	6	41	33	*	Tr.	1	3.7
Tynemouth	1010.5	+16	WNW	2	bc	33	75	7	2	–	–	2-3	2-3	2500	4	3	41	32	25	-	–	*
Inchkeith	1014.1	+8	W	3	c	34	85	8	–	5	–	0	7-8	–	4	1	41	34	30	-	–	3.1
Leuchars	1014.1	+16	WNW	4	bc	35	65	8	–	3	1	0	4-6	–	4	*	43	31	26	-	–	4.4
Renfrew	1015.3	+8	W	1	bc	32	85	7	–	–	1	0	2-3	–	4	*	42	27	19	-	–	4.1
Eskdalemuir	1014.9	+20	–	0	bc	30	65	8	–	–	1	0	4-6	–	6	*	38	28	25	0.2	–	4.7
Tiree	1015.3	+4	W'S	1	c	35	95	9	5	7	8	2-3	10	4000	1	3	41	35	31	2	0.1	1.9
Stornoway	1012.8	0	WSW	2	c	35	95	7	4	–	–	9+	9+	4000	6	1	39	33	*	2	0.6	0.9
Dalwhinnie	1014.8	+6	NNW	1	c	29	95	8	5	1	–	4-6	7-8	4000	9	*	36	27	23	0.3	Tr	3.2
Aberdeen	1012.5	+16	WNW	3	bc	33	85	8	8	–	–	2-3	2-3	2500	8	2	40	32	28	2	2	5.2
Wick	1012.0	+16	NNW	2	bc	32	95	8	3	1	8	2-3	4-6	2500	7	2	40	32	*	/	2	*
Lerwick	1008.8	+20	NW	2	bc	34	85	8	8	–	–	2-3	2-3	1500	8	*	37	33	*	3	1	1.9
Blacksod Point	1018.1	-2	–	0	ir	40	95	7	6	–	–	10	10	<150	1	3	45	40	*	2	3	*
Malin Head	1015.7	+4	W	1	c	39	85	8	5	–	6	2-3	9+	4000	0	2	41	37	*	/	0.3	2.9
Aldergrove	1017.1	+10	SSE	5	c	33	95	7	5	7	7	2-3	10	2500	4	*	41	30	23	/	0.2	4.9
Donaghadee	1016.0	+12	WSW	2	bc	35	85	7	5	–	–	4-6	4-6	2500	0	1	44	34	*	6	1	*
Birr Castle	1018.7	+4	S	1	o	35	95	7	5	–	–	10	10	2500	1	*	44	33	29	0.3	0.2	2.9
Valentia Obsy.†	1020.4	-2	–	0	c	43	95	8	8	–	–	10	10	2500	1	·	45	42	40	/	0.3	0.8
Roches Point	1019.4	+12	NW	3	bc	40	85	8	5	–	–	4-6	4-6	1500	0	3	45	39	*	-	–	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temp. Day Max. °F.	Temp. Night Min. °F.	Temp. 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	bccs₀c	bcz₀	bcz₀bz₀x	42	33	28	0.1	–	2.9	•	•	6
Croydon ...	217	c₀ssps₀z₀	cz₀bccy	cbcbbca₀	41	33	27	0.1	–	1.5	•	•	5
Greenwich (Royal Observatory) ...	149	csc	cy	cbx	42	32	26	Tr	Tr	0.9	51	64	5
City (Bunhill Row) ...	—	•	•	•	•	•	•	•	•	1.8	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	43	34	27	–	–	1.5	49	60	•
Regents Pk. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	•	1.8	•	•	•
Camden Square ...	110	cscbc	bcc	•	42	33	29	Tr	—	•	•	69	•
Kensington Palace ...	80	ofbcbc	bcobc	•	42	33	26	–	–	•	At 18h. 69	63	•
Hampstead Observatory ...	450	ocsbcobc	bc	•	37	29	22	Tr	Tr	2.3	•	83	•

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

	Max.	Time.	Min.	Time.
South Kensington.	1.0	14h 13th	0.3	4-6h 14th
Kew Observatory.	0.2	1hr 14th	0.1	11hr 13th

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 ...	1000.2	NNW	3	c/ps	37	1007.5	NNW	3	c	37	39	36	3	0.6
Brussels ...	993.8	SSW	2	ps₀	32	1003.8	NNW	2	bc/p	32			2	·
Berlin ...	997.1	SSE	2	bc	36	1004.3	ESE	2	f	30	39	28	1	–
Zürich ...	999.4	S	1	c/s	32						45		0.1	
Rome ...	989.8	SW	4	u	48	989.1	SE	2	c	39	52	36	5	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.

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

SUNDAY 15TH FEBRUARY 1931.

No. 25287

OBSERVATIONS at 13h. G.M.T. 14th 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)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1014.5	+8	NNW	3	bc	41	55	6	1	-	-	2.3	2.3	2500
	Croydon ...	1014.1	+4	NNW	3	z	40	65	5	7	-	-	7.8	7.8	2500
	S. Farnborough	1014.3	+6	NW	2	bc	43	55	7	1	-	-	2.3	2.3	2500
	Winchester ...	1015.1	+6	N'W	4	b	41	55	8	1	1	-	Tr.	1	4000
	Boscombe Down	1015.7	+2	N'W	5	bc	39	65	8	1	-	8	Tr.	2.3	4000
	Calshot, S'thmtn	1014.7	+4	N'W	5	bc	42	55	8	1	4	9	Tr.	2.3	2500
	Dungeness ...	*	*	NW	5	bc	*	*	~~8~~ 7 [red]	8	-	-	2.3	2.3	4000
	Lympne ...	1011.6	+18	NNW	6	bc	39	65	7	1	-	-	4.6	4.6	1500
2	Shoeburyness	1012.9	+16	WNW	5	bc	41	75	8	5	-	-	4.6	4.6	2500
	Felixstowe ...	1011.5	+10	NW'N	5	bc	41	75	8	1	-	-	4.6	4.6	1500
	Gorleston ...	1009.5	+10	WNW	6	bc	42	85	6	1	-	-	4.6	4.6	4000
	Cranwell ...	1014.2	+8	WNW	4	b	40	65	7	1	-	8	Tr.	1	4000
3	Cardington ...	1014.2	+8	NNW	4	b	41	55	6	1	-	-	1	1	4000
	Birmingham ...	1016.3 [red correction]	+6	WNW	3	bc	39	55	6	1	-	-	2.3	2.3	2500
	Upper Heyford	1015.5	+16	N'W	5	z	40	55	6	7	-	5	1	2.3	2500
	Leafield ...	1015.3	+24	NNW	4	bc	39	35	7	-	3	-	0	2.3	-
4	Ross-on-Wye ...	1016.1	+8	N'W	3	bc	41	55	8	1	-	5	2.3	~~2.3~~ 4-6 [red]	4000
5	Portland Bill...	1015.9	+8	NNW	4	bc	42	55	8	4	4	-	2.3	2.3	2500
	Plymouth ...	1018.0	+6	NNW	4	bc	43	55	8	1	3	6	Tr.	4.6	2500
	Falmouth ...	1019.9	+10	NNW	3	c	45	65	8	8	-	-	7.8	7.8	4000
	Scilly (St. Mary's)	1020.3	+8	N	4	c	44	75	8	7	-	-	9+	9+	4000
	Guernsey ...	1017.1	+16	N	3	bc	43	55	8	7	-	-	4.6	4.6	2500
6	Pembroke ...	1018.3	+6	NW	3	c	42	95	8	8	6	-	4.6	9	1500
7	Holyhead ...	1016.8	+2	WNW	4	cjp	43	65	8	8	1	8	2.3	9+	4000
	Chester (Sealand)	1017.1	+8	NWN	3	c	42	65	7	1	3	6	2.3	7.8	4000
8	L'pool (Bidston)	1016.7	+2	NW'N	3	c	40	65	9	1	-	7	1	9	5700
9	Harrogate ...	1015.0	+6	NW	1	b	39	65	8	4	-	1	Tr.	1	4000
10	Spurn Head ...	1012.7	+6	NNW	6	c	40	85	6	4	1	-	4.6	7.8	4000
	Tynemouth ...	1014.0	+6	NNW	2	bc	41	65	8	2	6	-	2.3	2.3	2500
11	Inchkeith ...	1014.4	+2	W	2	c	39	75	7	5	1	-	4.6	9+	800
	Leuchars ...	1014.3	0	W	3	c	40	65	8	-	-	7	0	10	-
12	Renfrew ...	1015.3	-4	W	2	c	40	75	6	5	1	-	Tr.	10	4000
	Eskdalemuir ...	1014.2	-2	W	2	c	38	45	8	-	-	7	0	10	-
13A	Tiree ...	1012.0	-24	S'W	4	DD	39	95	7	6	-	-	10	10	800
13B	Stornoway ...	1008.1	-28	SSW	4	rr	38	95	6	6	-	-	10	10	4000
15	Dalwhinnie ...	1013.5	-6	W	1	c	32	95	8	x [red]	1 [red]	-	80	9	~~4000~~
	Aberdeen ...	1013.0	0	WSW	2	c	38	75	7	-	1	-	0	7.8	-
	Wick ...	1010.9	-12	WSW	2	c	36	85	8	5	1	-	4.6	7.8	1500
16	Lerwick ...	1008.4	-10	SW	2	c	38	75	7	5	2	-	4.6	9+	1500
17	Blacksod Point	1015.4	-12	W	3	iD	48	95	7	6	-	-	10	10	<150
18	Malin Head ...	1013.6	-22	SSW	4	c/d	38	95	7	6	2	-	4.6	10	1500
	Aldergrove ...	1016.7	-8	WSW	3	ir_0	38	95	7	6	1	-	4.6	10	1500
	Donaghadee ...	1016.0	-2	WSW	2	o	41	75	6	5	-	-	10	10	800
19	Birr Castle ...	1018.3	-6	SSW	1	r_0r_0	40	95	7	6	2	-	9	10	2500
20	Valentia Obsy.	1019.2	-10	E'N	1	o/r	45	95	7	5	-	-	10	10	800
	Roches Point...	1019.7	-2	W	3	ir_0	42	95	8	6	-	-	9	9	1500

OBSERVATIONS at 18h. G.M.T. 14th 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)	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)
1	London (Kew)...	1015.7	+8	WNW	2	m	38	65	4	-	2	-	0	1	-
	Croydon ...	1015.4	+12	NW'N	2	m	37	75	4	5	-	-	4.6	4.6	2500
	S. Farnborough	1015.4	+10	WNW	1	bc	33	75	6	-	7	5	0	2.3	-
	Winchester ...	1016.3	+10	NW'N	3	bc	35	75	7	-	1	8	0	4.6	-
	Boscombe Down	1016.3	+6	NNW	4	c	37	75	7	-	-	8	0	7.8	-
	Calshot, S'thmtn	1015.8	+10	NNW	4	bc	38	65	6	-	7	5	0	4.6	-
	Dungeness ...	*	*	NW	4	c	*	*	7	4	-	*	7.8	7.8	4000
	Lympne ...	1013.3	+8	NNW	5	z	37	75	6	-	-	-	0	0	-
2	Shoeburyness	1014.4	+10	NNW	3	bc	36	85	8	5	7	-	2.3	4.6	4000
	Felixstowe ...	1014.0	+14	NW'N	3	bc	37	85	8	5	-	1	2.3	4.6	5700
	Gorleston ...	1012.5	+16	NNW	4	c	39	95	6	9	-	-	7.8	7.8	2500
	Cranwell ...	1015.4	+8	WNW	2	z	35	75	6	-	-	6	0	7.8	-
3	Cardington ...	1015.4	+10	NW	3	b	36	75	5	5	-	8	Tr.	1	4000
	Birmingham ...	1016.3	+2	NW	1	m	37	65	4	5	-	-	4.6	4.6	1500
	Upper Heyford	1016.4	+6	NW	2	z	35	75	6	-	7	6	6	7.8	-
	Leafield ...	1016.2	+6	NW'N	2	bc	34	75	7	-	3	2	0	4.6	-
4	Ross-on-Wye ...	1016.3	+4	NWW	2	c	37	65	8	-	2	8	0	9+	-
5	Portland Bill...	1016.1	+4	NW	5	c	42	55	8	4	4	7	4.6	10	2500
	Plymouth ...	1018.0	+4	NW	3	c	41	75	8	4	-	8	7.8	9+	2500
	Falmouth ...	1019.4	0	NW'N	3	c	43	65	8	8	-	-	9	9	4000
	Scilly (St. Mary's)	1019.4	-6	NWN	3	c	43	75	8	5	-	-	9+	9+	4000
	Guernsey ...	1017.3	+4	NNW	1	bc	41	55	9	5	4	-	2.3	4.6	4000
6	Pembroke ...	1016.4	-6	WNW	2	c	42	85	8	3	-	-	9+	9+	1500
7	Holyhead ...	1015.3	-10	SW	3	c	41	85	6	4	2	-	2.3	10	1500
	Chester (Sealand)	1015.9	-4	S'W	1	c	39	85	6	5	2	-	7.8	10	2500
8	L'pool (Bidston)	1015.4	-2	SWW	2	o	39	85	7	6	-	-	10	10	1500
9	Harrogate ...	1014.9	0	SSW	1	c	35	75	7	-	2	-	0	9	-
10	Spurn Head ...	1013.7	+6	NNW	3	c	38	95	7	4	2	-	4.6	7.8	4000
	Tynemouth ...	1013.3	-4	WSW	2	m	38	75	4	5	-	-	10	10	1500
11	Inchkeith ...	1011.6	-16	SW	3	i_0b	37	95	7	6	-	-	10	10	800
	Leuchars ...	1010.9	-18	SSW	3	ir_0	35	95	6	6	-	-	10	10	800
12	Renfrew ...	1011.2	-34	WSW	2	d_0d_0	36	95	6	6	4/2 [red]	-	9	10	1500
	Eskdalemuir ...	1012.4	-16	SSW	2	is_0	33	95	6	6	2	-	7.8	10	1500
13A	Tiree ...	1006.3	-28	WNW	5	c	43	95	7	5	2	-	9	10	800
13B	Stornoway ...	1000.6	-32	WSW	4	c	42	95	6	3	-	-	10	10	4000
15	Dalwhinnie ...	1007.9	-24	S	4	ss	32	85	4	5	-	-	10	10	450
	Aberdeen ...	1008.5	-26	SSW	3	c	37	75	6	-	2	-	0	10	-
	Wick ...	1003.8	-30	S	5	rr	36	95	8	6	-	-	10	10	1500
16	Lerwick ...	1001.6	-50	S'W	4	c	39	75	7	5	2	-	4.6	10	1500
17	Blacksod Point	1013.9	-8	W	4	iD	49	95	7	6	-	-	10	10	<150
18	Malin Head ...	1008.5	-22	WSW	3	iD	46	95	6	6	2	-	9	10	800
	Aldergrove ...	1012.1	-26	S'W	4	d_0d	37	95	5	6	-	-	10	10	450
	Donaghadee ...	1012.7	-24	SW	2	id_0	37	95	7	5	-	-	9+	9+	800
19	Birr Castle ...	1014.9	-14	SSW	1	o	45	95	7	6	-	-	10	10	2500
20	Valentia Obsy.	1018.9	-2	WNW	4	id_0	50	95	6	5	-	-	10	10	800
	Roches Point...	1017.3	-10	SW	3	dd_0	44	95	6	5	-	-	10	10	800

STATE OF GROUND, SEA, AND PAST 24 HOURS — WEATHER

District	Stations	State of Ground 0-9 (29)	Sea 0-9 (30)	7h.–13h. 14th (37)	13h.–18h. 14th (38)	18h. 14th to 1h. 15th (39)	1h.–7h. 15th (40)
1	London (Kew)...	1	*	$bxbcyz_0$	$bcyz_0byz$	byzomx	om_0s
	Croydon ...	1	*	bcz_0	bcz_0m	$bcmcm_0$	$com_0s_0r_0s_0$
	S. Farnborough	1	*	bm_0xbbcy	bcyby	$bcos_0$	~~os~~ os_0r_0rr [red]
	Winchester ...	1	*	bxby	bbc	bcc	$corrm_0$
	Boscombe Down	1	*	bxbc	bcc	c	~~crbirrm0~~ $crrm_0$ [red]
	Calshot, S'thmtn	0	1	bxm_0bby	bybcy	bcm_0cbc	$bcor_0RRr_0$
	Dungeness ...	*	2	bc	b	*	f-z
	Lympne ...	1	*	bbc	$bcbz_0$	$bbcm_0x$	bcm_0os_0F
2	Shoeburyness	0	*	bbc	bc	b	$os_0s_0m_0$
	Felixstowe ...	1	2	ossbcbbc	bcqprqbc	bcc	coss
	Gorleston ...	1	3	bcq	$bcpr_0q$	cpr_0bc	bccox
	Cranwell ...	1	*	bcm_0b	b,cz_0	cz_0m_0	$osscm_0$
3	Cardington ...	1	*	bm_0y	$bbcbm_0y$	bm_0	bcoffscas
	Birmingham ...	1	*	b	bbm	bcco	orsbc
	Upper Heyford	0	*	$bbcz_0y$	bcz_0	bcx	bccsrr
	Leafield ...	0	*	~~bccy~~ bbcy [red]	bc	bcbx	bccr
4	Ross-on-Wye ...	1	*	bbc	bcyc	cor_0	cor_0oc
5	Portland Bill...	1	3	bbc	bcc	c	cRcrr
	Plymouth ...	1	0	bbcy	byc	c	cr
	Falmouth ...	0	2	bcpc	cp	cor_0m_0	$oirm_0$
	Scilly (St. Mary's)	0	2	bcc	c	cmp	c
	Guernsey ...	0	3	bc	bc	bcco	oirrr
6	Pembroke ...	0	2	bcc	c	$orri_0$	cirq
7	Holyhead ...	1	1	cbccjp	c	idr_0r_0	or_0r_0c
	Chester (Sealand)	0	*	bc	cm_0	r_0cm_0	r_0c
8	L'pool (Bidston)	0	*	bccrc	co	cirD	Rirc
9	Harrogate ...	1	*	b	bbcc	cosrs	cb
10	Spurn Head ...	0	5	cisbcc	cbcc	bcco	osmo
	Tynemouth ...	0	2	bc	bco	$omss_0$	obc
11	Inchkeith ...	1	1	c	co	$or_0r_0cir_0$	bc bbc
	Leuchars ...	1	*	bcxc	cm_0or_0	or_0r_0ccr	cbcx
12	Renfrew ...	1	*	$bccm_0$	$cr_0d_0d_0m$	$od_0d_0cr_0$	c
	Eskdalemuir ...	6	*	bcxcy	$cycis_0m$	$os_0r_0m_0$	or_0m_0c
13A	Tiree ...	1	3	coDd	oidD	cprq	bcPq
13B	Stornoway ...	2	3	corr	crrpr	bcp_0	cirsq
15	Dalwhinnie ...	9	*	c	pssqm	mssoc	cprsc
	Aberdeen ...	3	2	ps_0bbc	bcc	cisrs	cp_0rs
	Wick ...	1	4	bcc	corr	oirsc	irbc
16	Lerwick ...	3	*	bcc	co	orrcbcpr	$bcor_0r_0$
17	Blacksod Point	1	3	id	id	id	prqc
18	Malin Head ...	1	2	$cidm_0$	bDm_0	com_0bcbbc	bcpr
	Aldergrove ...	1	*	$cxcir_0$	$d_0d_0d_0d$	oirc	c
	Donaghadee ...	1	1	com_0	$ocid_0$	id_0bc	cbc
19	Birr Castle ...	1	*	or_0r_0	or_0o	or_0	or_0c
20	Valentia Obsy.	1	3	cor_0r_0c	$coir_0id_0$	$idpr_0$	c
	Roches Point...	1	3	$bccir_0$	odd	odde	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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

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 weatner.

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.

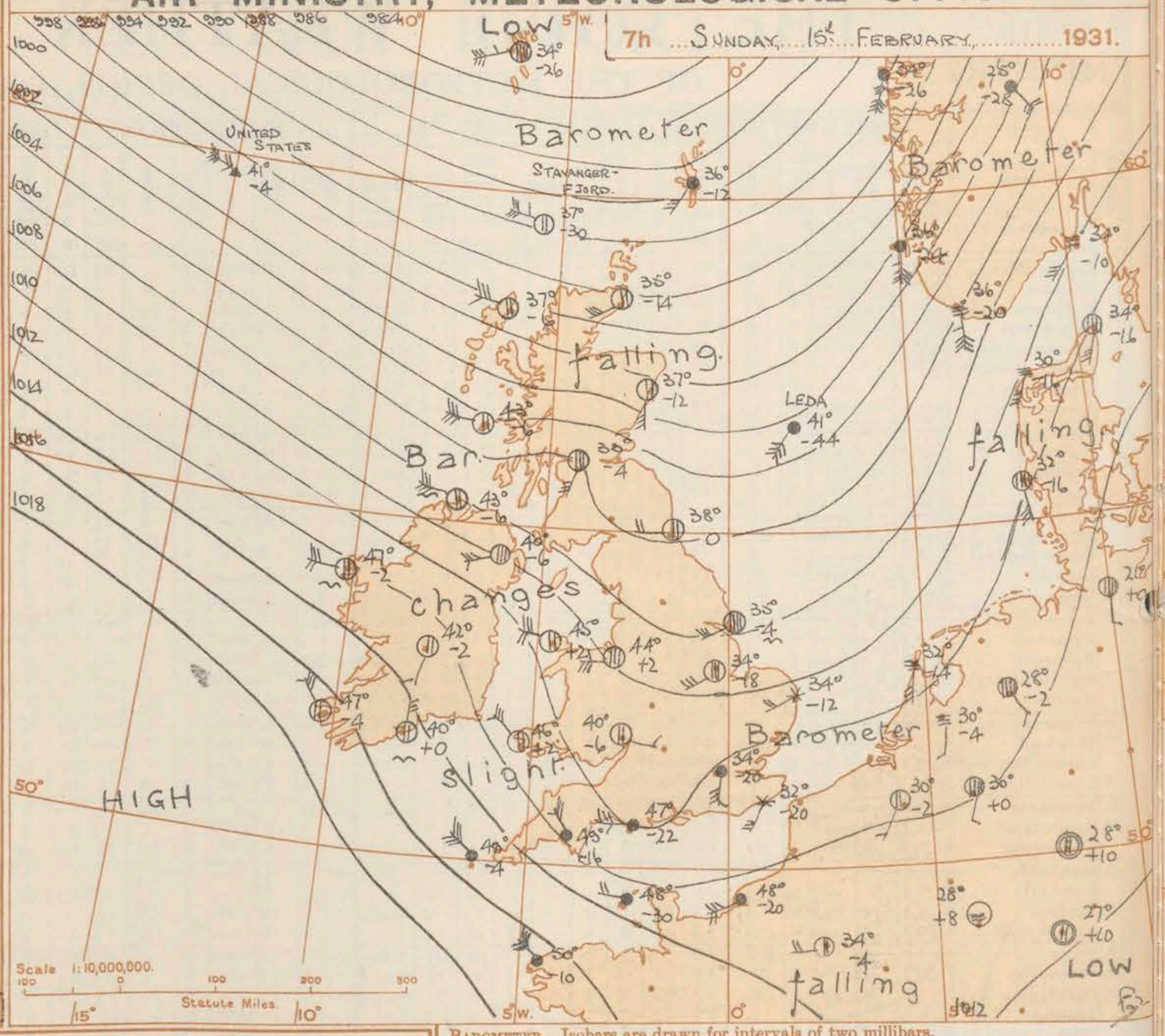
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for SATURDAY 14th FEB. 1931.

District.	Stations.	Weather. Forenoon.	Weather. Afternoon.	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	bbcb	33	42	–	–	6.6	0.8
	Bournemouth	b	b	32	44	–	–	8.2	8.2
	Ventnor ...	xbz	b	32	43	–	–	8.4	8.0
	Southsea ...	b	b	33	43	–	–	8.3	6.8
	Bognor Regis	b	b	32	44	–	–	8.6	5.1
	Littlehampton	b	bbc	33	44	–	–	8.6	6.2
	Worthing ...	b	b	33	43	–	–	8.0	7.6
	Brighton ...	b	b	33	44	–	–	7.9	7.4
	Eastbourne†	b	bm	33	43	–	–	7.9	6.0
	Hastings† ...	b	b	34	43	–	–	8.3	4.1
	Folkestone ...	b	bbc	34	42	–	–	8.2	0.9
	Dover... ...	b	bbcb	32	42	2	–	8.2	0.2
	Deal	b	b	34	41	–	–	6.4	1.4
	Ramsgate ...	bcb	b	34	42	0.2	–	6.9	1.5
	Margate ...	bcb	bbc	35	41	–	–	6.6	1.3
2	Southend ...	bm	bmbc	33	43	–	–	8.2	1.4
	Maldon ...	b	bbc	34	41	–	–	7.6	0.6
	Clacton-on-Sea	bc	bc	32	41	1	–	7.5	1.0
	Dovercourt ..	sbc	pbc	32	41	1	0.4	6.7	0.0
	Lowestoft ...	bcb	opbc	32	42	3	1	5.8	1.0
	Skegness ...	bcm	bc	32	41	0.1	Tr.	7.1	3.7
	Mablethorpe	cbcb	bbcm	32	41	2	–	6.7	4.1
	Cleethorpes ...	c	c	33	41	2	–	4.5	2.7
3	Leamington S.	b	bbcc	32	42	–	–	7.0	4.3
4	Cheltenham†	bsmb	bbc	27	41	–	–	6.2	3.1
5	Bath	b	bbc	29	43	–	–	7.1	4.6
	Weymouth ...	b	b	33	44	–	–	8.3	5.2
	Jersey ...	bc	bc	38	44	–	–	7.7	5.5
	Torquay ...	pbzb	bc	35	45	0.4	–	7.4	6.5
	Penzance ...	cbc	c	40	46	1	–	1.8	5.0
	St. Ives ...	c	o	40	44	–	–	0.4	4.6
	Bude	bc	bcc	38	44	0.2	–	5.3	2.1
	Ilfracombe ...	bcb	bbc	38	45	–	–	4.6	1.9
6	Aberystwyth	cpbcx	bcc	30	42	1	–	4.0	3.8
7	Llandudno ...	bc	co	37	44	–	–	3.3	1.0
	Colwyn Bay...	bbcc	co	40	42	–	–	3.5	1.2
	Rhyl	bc	c	38	43	–	–	4.9	2.8
8	Wallasey ...	b	bbc	36	43	–	–	6.1	7.3
	Southport‖ ...	b	co	35	41	–	–	5.5	7.0
	Blackpool ...	cbc	co	36	42	–	–	5.7	7.4
	Morecambe ...	xbc	bbc	32	42	–	–	5.6	4.7
9	Ilkley... ...	b	b	31	41	–	–	6.0	5.0
10	Berwick-on-T.	bc	bcco	34	41	–	–	4.5	6.4
11	Dunbar ...	bcm	bc	32	39	–	–	1.9	3.2
12	Douglas ...	cbcb	coid	33	41	1	0.3	1.4	6.5

† 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 the wind. Number of feathers indicate Beaufort force. Calm. = ⊙
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. ▲ Hail. ≡ Fog. ≡ Mist. ⊤ Thunder. ⊼ Thunderstorm.
SEA DISTURBANCE. ∼ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 15th Feb. 1931.

Districts.	Forecasts
1. S.E. England 2. E. England...	Wind variable becoming northwest, moderate or fresh, cloudy at first then bright intervals and local showers; moderate temperature.
3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind mainly between northwest and west, moderate or fresh, stronger locally on coasts; bright periods, occasional rain or showers, perhaps snow on high ground; moderate temperature.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands. 17. N.W. Ireland 18. N.E. Ireland	Wind mainly between west and northwest, fresh or strong, a gale locally on coasts; cloudy and bright periods, occasional rain or showers, perhaps snow on high ground; moderate to rather low temperature.
19. S.E. Ireland 20. S.W. Ireland	Wind between west and northwest, moderate to fresh or strong; bright and cloudy periods, local showers; moderate

GENERAL INFERENCE.

A deep depression north of the Faroes is moving east and associated secondaries will move eastward round its southern boundary. Winds will be mainly from between west and north, strong to a gale locally in the north and west, and weather unsettled with bright periods and occasional precipitation.

FURTHER OUTLOOK.

Westerly winds, and changeable weather.

Time of issue of Gale Warnings

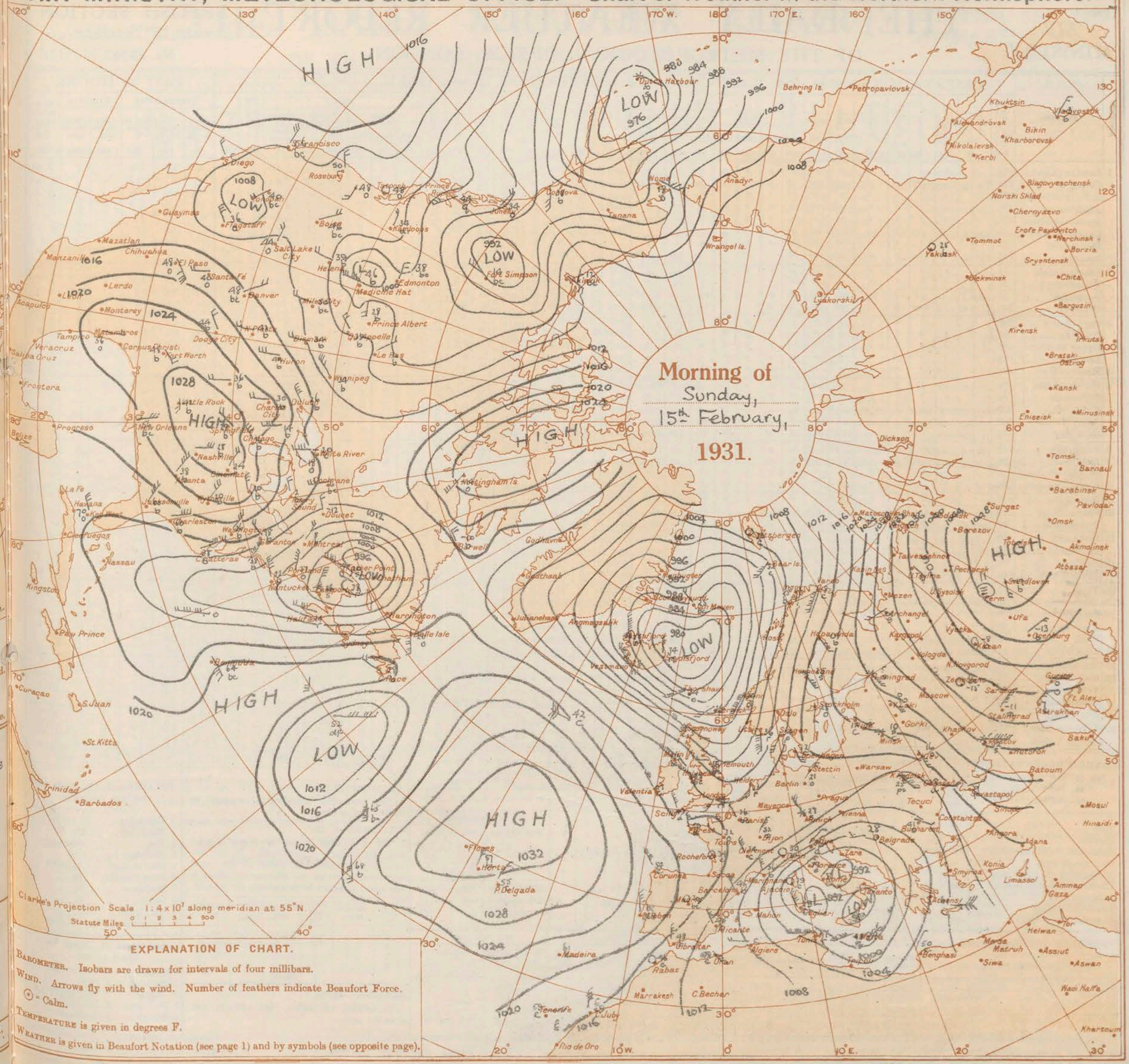
South Cone at 0800 on 11th in 8.11,12,13A, 13B,15,16,17,18,18,20.

Forecasts issued at

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

H.M. Stationery Office Press, Kingsway, W.C.2 Pa 2459/2189 Wt. 26 D 6024 Gp 508 28280 2/31

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 15TH FEBRUARY 1931.

No. 25267

OBSERVATIONS at 1 hr. G.M.T. 15th 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)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1014.6	-20	W'S	2	2	34	86	5	5	-	-	10	10	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1014.8	-14	W'S	3	bc	36	65	7	-	7	6	0	4-6	-
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1014.1	0	NW	2	2	32	86	5	-	7	-	0	7-8	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1012.7	-6	W	1	bc	36	96	6	4	-	-	4-6	4-6	1500
	Cranwell	240	1011.9	-24	SW	3	0	35	86	6	5	-	-	10	10	2500
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1014.8	-18	W	3	c	43	66	8	4	-	-	10	10	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1016.3	-18	SW'W	4	r.r.	44	95	6	6	-	-	10	10	2500
	Scilly (St. Mary's)	163	1017.0	-14	NWW	4	c	48	96	6	5	-	-	9+	9+	4000
	Guernsey	175	1017.0	-10	-	0	0	42	75	8	5	-	-	10	10	2500
6	Pembroke	142	1012.4	-16	WSW	4	cir	47	95	7	8	-	-	10	10	1500
7	Holyhead	26	1010.0	-20	SW'W	5	r.r.	45	96	6	6	-	-	10	10	800
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1010.4	-6	SW'W	3	0	36	86	6	5	-	-	10	10	1500
	Tynemouth	67	1006.2	-40	SSW	2	0/s	35	95	7	6	-	-	10	10	1500
11	Inchkeith	190	1004.3	-18	WSW	3	bc	39	95	8	5	8	-	2-3	4-6	800
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	998.6	-4	WNW	3	c	40	75	7	3	1	-	4-6	7-8	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	997.7	-6	WSW	3	c	39	95	8	3	1	-	4-6	7-8	1500
16	Lerwick	54	992.0	-20	W'S	2	bc/pr	40	95	8	8	-	-	2-3	2-3	1500
17	Blacksod Point	18	1012.7	-2	W	4	c	47	85	6	-	2	-	0	10	-
18	Malin Head	52	1007.5	+2	NW	4	bc/p	45	95	7	8	-	-	4-6	4-6	1500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1016.9	-10	W	3	id	48	95	6	3	-	-	10	10	2500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 15th 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)	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)	1009.8	-24	SW	2	S	35	95	6	6	-	-	10	10	800	3	*
	Croydon	1010.5	-20	S'W	4	r.s.	34	95	5	6	-	-	10	10	800	3	*
	S. Farnborough	1009.4	-18	WSW	2	r.r.	37	95	7	6	-	-	10	10	800	1	*
	Winchester	1009.5	-30	SSE	1	d.d.	36	95	4	5	-	-	10	10	220	1	*
	Boscombe Down	1010.1	-8	NW	1	ir.	39	95	76	6	-	-	10	10	450	1	*
	Calshot, (S'thmtn)	1009.3	-26	W'S	3	r.r.	42	95	7	5	-	-	10	10	800	1	1
	Dungeness	*	*	SW	4	r	*	*	6	8	-	*	10	10	2500	*	2
	Lympne	1010.5	-20	SW'W	3	sf	32	95	2	6	-	-	10	10	220	6	*
2	Shoeburyness	1010.3	-20	SW	3	s.s.	33	95	5	6	-	-	10	10	2500	6	*
	Felixstowe	1010.3	-14	WSW	3	ss	33	95	3	6	-	-	10	10	450	6	2
	Gorleston	1009.5	-12	WSW	2	s.s.	34	85	6	6	-	-	10	10	800	1	1
	Cranwell	1006.9	-18	WSW	3	c	34	95	5	5	-	-	7-8	7-8	1500	6	*
3	Cardington	1008.7	-10	WSW	3	r.s.	35	95	5	6	-	-	10	10	800	1	*
	Birmingham	1008.8	0	WNW	3	bc	39	95	8	5	-	-	4-6	4-6	4000	1	*
	Upper Heyford	1009.2	-8	WSW	2	c	34	95	7	5	7	-	4-6	7-8	1500	1	*
	Leafield	1009.0	-10	NW	2	bc/r	35	95	6	5	1	-	2-3	4-6	2500	1	*
4	Ross-on-Wye	1009.3	-6	ESE	1	c	40	95	8	5	-	-	7-8	7-8	4000	1	*
5	Portland Bill	1009.2	-22	W	4	rr	47	95	7	4	-	-	10	10	1500	1	2
	Plymouth	1011.7	-16	NW	4	ir	49	85	8	6	2	-	9	10	1500	1	1
	Falmouth	1013.7	-6	WNW	5	ir	49	95	6	6	2	-	7-8	10	2500	1	3
	Scilly (St. Mary's)	1014.5	-4	NW	6	id.	49	95	6	5	-	-	10	10	2500	1	3
	Guernsey	1012.0	-30	WNW	2	r.r.	48	95	6	6	-	-	10	10	1500	1	3
6	Pembroke	1010.8	+2	NW'N	4	bc	46	75	8	1	4	-	1	2-3	2500	1	3
7	Holyhead	1009.6	+2	W'N	5	bc	45	85	7	8	4	-	2-3	4-6	2500	1	3
	Chester (Sealand)	1008.1	+2	W'N	5	c	44	85	7	5	-	-	9	9	2500	1	*
8	L'pool (Bidston)	1007.9	0	W	5	bc	42	95	7	5	3	-	4-6	4-6	2500	1	*
9	Harrogate	1006.3	-6	SSW	2	b	37	95	8	-	4	-	0	Tr.	-	6	*
10	Spurn Head	1005.8	-4	W'S	3	o	35	95	6	5	-	-	10	10	1500	1	4
	Tynemouth	1003.8	0	W	2	bc	38	95	7	2	-	2	2-3	4-6	2500	1	2
11	Inchkeith	1002.1	-12	WSW	2	ir.	40	95	8	5	4	-	4-6	7-8	800	1	1
	Leuchars	1001.6	-14	WSW	3	bc	36	85	7	5	-	1	1	2-3	2500	4	*
12	Renfrew	1004.0	-4	SW	3	c	39	85	8	8	-	-	9	9	2500	1	*
	Eskdalemuir	1003.8	-6	W	4	c	38	85	7	5	-	-	9	9	1500	6	*
13A	Tiree	1002.6	-6	W	6	bc/pr	43	75	7	3	-	8	2-3	4-6	1500	1	3
13B	Stornoway	996.5	-6	WNW	4	c	37	85	7	3	-	-	7-8	7-8	4000	2	3
15	Dalwhinnie	1000.6	-4	W	4	rs	35	85	7	5	-	-	7-8	7-8	800	3	*
	Aberdeen	998.6	-12	SSW	3	bc	37	75	8	7	3	-	2-3	2-3	2500	4	0
	Wick	994.8	-14	WSW	3	bc	35	95	8	3	4	1	2-3	4-6	1500	1	3
16	Lerwick	989.5	-12	SW	3	r.r.	36	95	7	6	-	-	10	10	1500	2	*
17	Blacksod Point	1012.1	-2	W	5	c	47	75	7	9	-	-	7-8	7-8	450	0	4
18	Malin Head	1005.4	-6	WNW	6	bc/pr	43	95	7	3	-	-	4-6	4-6	1500	1	4
	Aldergrove	1007.2	-6	WSW	4	c	40	85	8	5	1	7	4-6	10	2500	1	*
	Donaghadee	1007.1	-6	W	2	bc	41	85	7	5	2	-	4-6	4-6	2500	1	1
19	Birr Castle	1012.6	-2	SSW	1	c	42	85	8	5	-	-	7-8	7-8	2500	1	*
20	Valentia Obsy.†	1016.4	-4	NW	4	c	47	75	8	5	-	-	7-8	7-8	2500	1	*
	Roches Point	1014.5	0	N	3	bc	40	85	8	3	-	-	4-6	4-6	1500	1	4

PAST 24 HOURS.

Stations	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 14th Hrs. (36)
London (Kew)	42	33	24	-	2	7.4
Croydon	41	31	26	-	1	4.4
S. Farnborough	44	30	19	-	3	8.2
Winchester	41	33	29	-	3	8.2
Boscombe Down	41	34	31	-	2	*
Calshot, (S'thmtn)	43	35	30	-	4	8.1
Dungeness	44	30	*	-	-	*
Lympne	41	31	27	-	0.2	8.0
Shoeburyness	43	30	25	-	0.4	8.5
Felixstowe	41	33	29	1	0.2	6.8
Gorleston	43	33	31	1	0.1	4.3
Cranwell	41	31	28	-	2	7.4
Cardington	42	29	25	-	2	6.9
Birmingham	40	33	30	-	2	6.1
Upper Heyford	41	32	24	-	2	*
Leafield	39	32	26	-	1	7.7
Ross-on-Wye	42	35	31	-	1	7.1
Portland Bill	43	40	*	-	1	*
Plymouth	44	40		-	2	5.3
Falmouth	45	41	*	0.6	1	2.2
Scilly (St. Mary's)	45	41	*	-	0.3	0.1
Guernsey	43	41	35	-	1	8.5
Pembroke	43	41	*	-	3	0.0
Holyhead	44	39	38	-	4	0.9
Chester (Sealand)	42	39	36	-	1	6.0
L'pool (Bidston)	41	37	36	-	3	6.4
Harrogate	40	33	31	-	2	5.9
Spurn Head	40	33	*	1	3	4.9
Tynemouth	41	34	31	-	2	*
Inchkeith	39	35	34	Tr.	0.2	0.9
Leuchars	40	33	28	Tr.	1	1.4
Renfrew	40	35	34	0.3	1	0.1
Eskdalemuir	38	32	31	Tr.	4	3.3
Tiree	45	40	37	3	2	0.0
Stornoway	43	35	*	4	2	0.0
Dalwhinnie	32	32	*	8	3	0.0
Aberdeen	39	34	29	0.2	1	1.6
Wick	37	35	*	1	2	*
Lerwick	39	35	*	-	8	0.4
Blacksod Point	50	45	*	2	0.3	*
Malin Head	46	41	*	2	2	0.0
Aldergrove	39	37	35	2	1	0.0
Donaghadee	42	37	*	0.5	0.5	*
Birr Castle	42	41	38	1	0.4	0.0
Valentia Obsy.†	50	46	44	4	0.4	0.0
Roches Point	45	39	*	2	2	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other 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. % Yesterday	Visibility 9h. To-day
Kew	18	bxbcyzo	bcyzobyz	byzoms	42	33	24	-	2	7.4	*	*	4
Croydon	217	bczo	bczom	bcmsprs	41	31	26	-	1	4.4	*	*	5
Greenwich (Royal Observatory)	149	bbcy	bcby	bnossct	43	33	22	-	3	5.4	57	95	3
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	6.8	*	*	*
Westminster (St. James' Park)	27	*	*	*	44	33	27	←3→		7.2	52	97	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	6.9	*	*	*
Camden Square	110	bbc	bc	*	42	34	26	-	3	*	*	96	*
Kensington Palace	80	bc	bc	*	42	33	26	-	3	*	At 18h. 47	96	*
Hampstead Observatory	450	bc	bcbxm	*	40	29	21	-	3	7.8	*	85	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.
1.2	21h 14th	<0.3	4h-7h 15th

Kew Observatory Max.	Time.	Min.	Time.
0.6	20h 14th	<0.1	5h 15th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 14th Feb. Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 15th Feb. 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	1013.1	NNW	2	c	41	1014.1	NW	1	2	36	43	36	-	-
Brussels	1009.8	NNW	2	b	36	1011.8	SW	1	c	30	41	30	5	-
Berlin	1010.4	NE	4	c	30	1012.6	NE	2	o	21	32	21	-	-
Zürich	1008.3	NNE	1	2	30	1012.4	N	1	2	27	37	27	2	0.4
Rome	987.1	ESE	8	rr	43	993.1	NE	2	c	37	52		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.

0	Dense fog	55 yards.
1	Thick fog	220 „
2	Fog	550 „
3	Moderate fog	1,100 „
4	Mist or haze	1½ miles.
5	Poor visibility	2½ „
6	Moderate „	6½ „
7	Good „	12½ „
8	Very good „	31 „
9	Excellent „	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 16th February, 1931.

No. 25288.

OBSERVATIONS at 13h. G.M.T. 15th 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)	1008.9	-8	W	2	b	44	85	5	7	-	1	1	1	2500
	Croydon	1009.7	-6	WNW	4	c/f	45	85	4	5	-	2	2.3	7.8	800
	S. Farnborough	1009.0	+2	NW	3	bc	49	65	7	2	3	1	2.3	4.6	2500
	Winchester	1009.7	0	NW'N	3	c	47	75	8	8	-	-	7.8	7.8	1500
	Boscombe Down	1010.3	+4	NW	4	c	47	65	8	8	-	-	7.8	7.8	4000
	Calshot, S'thmtn	1010.1	+4	NNW	3	bc	47	75	8	8	-	-	4.6	4.6	4000
	Dungeness	*	*	NW	3	o	*	*	6	5	-	*	10	10	4000
	Lympne	1008.4	-6	NW'N	2	cm.	37	95	5	5	-	-	9+	9+	800
2	Shoeburyness	1008.2	-10	WNW	3	c	45	85	6	5	-	-	9	9	4000
	Felixstowe	1007.8	-10	WNW	3	cm.	40	85	6	5	-	-	9	9	2500
	Gorleston	1006.5	-8	W	2	c	39	95	6	5	6	-	4.6	9	1500
	Cranwell	1006.3	-10	W'N	5	bc3.	45	75	6	2	3	4	Tr	4.6	4000
3	Cardington	1008.1	-2	NW'W	3	c	46	75	7	8	-	5	4.6	7.8	1500
	Birmingham	1008.6	-4	NNW	3	c	46	65	8	6	-	-	7.8	7.8	2500
	Upper Heyford	1009.2	-10	W	4	c	46	65	8	5	2	-	7.8	9+	1500
	Leafield	1009.2	+4	WNW	5	bc	44	75	8	7	-	-	4.6	4.6	2500
4	Ross-on-Wye	1009.8	0	W'N	3	c	47	65	8	4	-	-	7.8	7.8	4000
5	Portland Bill	1010.8	0	NW	3	c	48	65	8	8	-	-	7.8	7.8	2500
	Plymouth	1013.4	+2	NNW	5	c	48	65	8	7	-	-	9+	9+	1500
	Falmouth	1014.8	+4	NW'N	4	bc	47	75	8	2	-	-	4.6	4.6	4000
	Scilly (St. Mary's)	1015.2	+2	NNW	5	c	50	75	6	8	6	-	4.6	7.8	4000
	Guernsey	1012.2	+4	NW	4	c	49	75	7	5	-	-	7.8	7.8	2500
6	Pembroke	1012.0	-2	NW	4	bc	47	95	8	1	4	4	1	4.6	2500
7	Holyhead	1009.2	-8	W	5	c	46	75	8	4	-	9	1	9+	1500
	Chester (Sealand)	1008.3	-4	W'N	5	c	47	65	8	8	5	-	7.8	7.8	4000
8	L'pool (Bidston)	1007.0	-8	W'S	6	bc/p	44	85	6	9	1	-	2.3	4.6	1500
9	Harrogate	1005.8	0	SSW	2	pr.	42	85	7	6	-	-	9+	9+	2500
10	Spurn Head	1004.5	-4	NW	4	c	43	85	6	5	3	1	4.6	7.8	1500
	Tynemouth	1002.8	-4	W	3	bc	46	65	6	2	4	9	4.6	4.6	2500
11	Inchkeith	1000.5	-14	WSW	4	c	42	85	8	4	-	-	7.8	7.8	4000
	Leuchars	1000.2	-6	WSW	3	bc	43	75	8	7	-	-	4.6	4.6	4000
12	Renfrew	1001.9	-10	WSW	3	c/pr	43	75	8	8	-	6	7.8	9	2500
	Eskdalemuir	1002.1	-14	W	4	pr.	41	75	8	5	-	-	7.8	7.8	1500
13A	Tiree	999.1	-22	W	6	c/pw	43	75	7	3	7	8	4.6	10	1500
13B	Stornoway	997.5	-18	WNW	5	c	37	85	7	9	7	-	4.6	9+	4000
15	Dalwhinnie	998.0	-20	W	4	c	34	85	7	4	6	-	4.6	7-8	2500
	Aberdeen	997.0	-16	SSW	3	bc	42	65	7	7	3	-	4.6	4.6	2500
	Wick	997.6	-14	WSW	3	c	38	95	8	8	2	-	4.6	7.8	1500
16	Lerwick	986.5	-10	W'S	3	c/p	37	85	7	9	-	-	7.8	7.8	1500
17	Blacksod Point	1009.9	-10	W	7	cq	47	65	8	9	-	-	7.8	7.8	450
18	Malin Head	1008.3	-24	W	6	c/pt	42	95	7	8	6	-	7.8	9	2500
	Aldergrove	1005.9	-18	SW	4	c/pr	42	85	8	9	4	8	7.8	7.8	2500
	Donaghadee	1005.2	-14	W'S	3	bc	45	75	8	5	3	9	2.3	4.6	4000
19	Birr Castle	1011.0	-14	NW	4	c	48	65	8	8	-	8	7.8	9	4000
20	Valentia Obsy.	1015.9	-12	W	5	c	47	75	8	5	-	-	10	10	2500
	Roches Point	1014.3	0	N	5	bc	47	75	8	3	-	-	4.6	4.6	1500

OBSERVATIONS at 18h. 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)	1007.8	-6	W	2	bc	44	65	5	5	3	-	4.6	4.6	2500	1	*
	Croydon	1008.7	-6	W	3	c3.	44	65	5	7	3	-	4.6	7.8	2500	1	*
	S. Farnborough	1008.1	-2	W'N	1	c	44	65	7	5	3	-	7.8	9	4000	1	*
	Winchester	1009.0	0	W'N	3	c	43	75	8	4	-	-	7.8	7.8	2500	1	*
	Boscombe Down	1009.3	-6	WNW	3	c	43	85	7	5	-	-	9	9	4000	1	*
	Calshot, S'thmtn	1009.4	+2	W'N	3	c	45	75	6	5	-	-	7.8	7.8	2500	0	0
	Dungeness	*	*	W	2	cm.	*	*	5	5	2	*	7.8	10	2500	*	1
	Lympne	1007.4	-2	W'S	3	of	40	95	3	5	-	-	10	10	2500	1	*
2	Shoeburyness	1006.9	-8	W	2	bc	41	85	6	5	-	-	4.6	4.6	4000	1	*
	Felixstowe	1006.6	-6	W	2	cm.	42	85	6	5	-	-	9	9	2500	1	2
	Gorleston	1004.6	-4	W	1	c	43	85	5	5	-	-	(9)	9	2500	1	1
	Cranwell	1004.4	-12	NSW	3	c	41	85	5	5	-	-	9+	9+	4000	1	*
3	Cardington	1006.8	-2	W	3	bc	43	65	8	5	3	8	4.6	4.6	4000	1	*
	Birmingham	1006.6	-8	NSW	3	cjp	43	75	6	6	3	-	4.6 7.8	7.8	2500	1	*
	Upper Heyford	1007.6	-10	W	3	c	42	75	8	5	1	-	7.8	7.8	1500	1	*
	Leafield	1007.6	-6	W	4	bc	41	65	8	5	-	1	4.6	4.6	4000	1	*
4	Ross-on-Wye	1008.2	-6	W'S	2	c	43	65	8	6	1	6	2.3	9	2500	1	*
5	Portland Bill	1009.9	-6	W'N	3	bc	47	75	8	4	-	-	4.6	4.6	2500	1	2
	Plymouth	1012.2	0	W	3	c	45	75	7	2	-	1	7.8	7.8	1500	1	1
	Falmouth	1013.4	-4	W	3	c	46	75	8	4	-	-	7.8	7.8	4000	0	1
	Scilly (St. Mary's)	1013.6	-10	NW	6	c	46	85	7	5	-	-	9+	9+	4000	0	3
	Guernsey	1012.0	-4	WNW	2	bc	46	75	7	5	1	-	4.6	4.6	2500	1	3
6	Pembroke	1009.5	-8	W	5	cq	47	85	7	8	7	-	4.6	7.8	2500	0	3
7	Holyhead	1006.3	-18	W	6	pr.	45	75	7	5	2	-	7.8	10	2500	1	2
	Chester (Sealand)	1004.7	-20	W	3	c/pr	43	85	7	5	-	-	9	9	2500	1	*
8	L'pool (Bidston)	1004.0	-14	NSW	4	o/r	41	95	6	6	-	-	10	10	1500	0	*
9	Harrogate	1007.2	-14	SW'S	4	pr.	38	95	7	6	-	1	1	2.3	2500	1	*
10	Spurn Head	1002.6	-4	W	4	c	42	85	6	5	-	3	4.6	7.8	1500	0	4
	Tynemouth	999.9	-20	W	3	c/pr	42	85	6	6	-	-	7.8	7.8	1500	0	2
11	Inchkeith	995.6	-28	WSW	4	ic	39	95	7	5	-	-	10	10	800	1	3
	Leuchars	995.1	-26	WSW	4	c/pr	38	75	8	5	2	1	2.3	7.8	2500	1	*
12	Renfrew	998.1	-20	W	4	pr	39	95	7	9	-	-	10	10	2500	1	*
	Eskdalemuir	998.4	-22	W	5	prs	36	85	7	5	-	-	9	9	1500	1	*
13A	Tiree	994.3	-28	W	6	phr	39	85	7	3	-	8	7.8	9+	1500	1	4
13B	Stornoway	987.8	-24	WNW	3	c	35	95	7	9	-	-	9+	9+	4000	6	2
15	Dalwhinnie	993.0	-28	WNW	5	c	33	95	7	5	-	-	7-8	7-8	1500	9	*
	Aberdeen	992.3	-26	SW	2	bc	38	65	7	7	3	-	1	2.3	2500	1	1
	Wick	988.1	-4	WSW	4	pr	35	95	8	9	1	-	4.6	9	1500	1	3
16	Lerwick	983.8	-16	SW	3	c/rs	34	95	7	9	2	-	4.6	7.8	1500	6	*
17	Blacksod Point	1005.1	-24	W	7	cq	45	75	7	9	-	-	9+	9+	450	0	6
18	Malin Head	998.1	-28	NNW	7	c/pt	43	85	7	9	2	-	7.8	9+	1500	1	5
	Aldergrove	1001.8	-24	SW	4	r.	40	85	8	5	2	-	7.8	10	2500	1	*
	Donaghadee	1001.3	-20	W'S	2	c	42	85	7	5	-	-	7.8	7.8	2500	1	1
19	Birr Castle	1007.3	-22	S	2	o/r	43	85	8	6	-	-	10	10	2500	1	*
20	Valentia Obsy.	1012.2	-18	W	4	c/pr	46	95	8	5	-	-	9	9	1500	1	3
	Roches Point	1011.0	-24	NW	3	bc	46	75	8	3	-	-	4.6	4.6	1500	0	3

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. 15th (37)	13h.–18h. 15th (38)	18h. 15th to 1h. 16th (39)	1h.–7h. 16th (40)
1	London (Kew)	omrsbm.	bcmbc3.	bc3.bc	bco
	Croydon	or.sscffcm	cbcm.	cbcm.	cm.rc
	S. Farnborough	or.bcc	bccyc	cbbc	bco
	Winchester	odd.mcm.	cbC	bcbbcp.r	~~Bir~~ corr
	Boscombe Down	cs.m.ofcbcc	C	cp.r	cor.
	Calshot, S'thmtn	or.rcbcm.c	bcm.bcycm.	bbc	bcpRd.
	Dungeness		o	*	o
	Lympne	od.fom	cm.f	cf bccm.	cm.drr.
2	Shoeburyness	os.s.cm.	cbcm.	bcb	cr
	Felixstowe	ossd.d.c3.	c3.	o3.c	cr.r.m.
	Gorleston	os.cm.	cprm.	cbcm.m.	cor.r.
	Cranwell	cbc3.	bc3.c3.	cpr.m.	cm.orrm.
3	Cardington	or bccm.	bc	bcbbcc	c
	Birmingham	bc	cbc	bcc	cPRS
	Upper Heyford	cm.bcc	cbc;jpc	c	cbccrr,c
	Leafield	cbc	C	bcc	cr
4	Ross-on-Wye	cbcc	c	c	copc
5	Portland Bill	crrc	cbc	bcc	cirir
	Plymouth	cr.bc	cbc	b,c	crq
	Falmouth	oircbc	bc	cd.	cd.oirq
	Scilly (St. Mary's)	odbcc	c	c	cp
	Guernsey	oiroC	cbc	bcop.	cpro
6	Pembroke	bcp.	bccq	cporq	cirq
7	Holyhead	bc	c,p.rc	prq	r.PRq
	Chester (Sealand)	bcc	cPRq	cr.r	Rmqrc
8	L'pool (Bidston)	cbcq	bcor.	rprc	rqirh
9	Harrogate	bbccp.	cbp.	bbccpr	cbiris
10	Spurn Head	oc	bc	bc	cir
	Tynemouth	bc	bccp.	coir.	obc
11	Inchkeith	cir.	c	oirc	c
	Leuchars	bcxbbc	bccp.r	cbcbx	bbcx
12	Renfrew	cpr.	cpr	cprr	cr, c
	Eskdalemuir	bcpr.	bccprpo	cprsosm	osm.bc
13A	Tiree	cphr	cphq	prq	PPq
13B	Stornoway	cirsq	bctl'n	osph,bc	cprs
15	Dalwhinnie	cisfc	cismc	cismc	cisc
	Aberdeen	bbc	bc	bcb	b
	Wick	bcprsc	cps	bc	bc
16	Lerwick	orr.bccphs	cphsrs	cprs,bc	bc
17	Blacksod Point	prcq	prq,c	prq,l	phrq
18	Malin Head	bccq,pr	cq,pc	cq,phrs	cbcqphr
	Aldergrove	cbccpr	cpq,pc	cir	ircors
	Donaghadee	bc	cir.C	cir.	ois.m.
19	Birr Castle	cbcc	cor.	oir	orcbccx
20	Valentia Obsy.	c	cp.C	cr.	r.prq
	Roches Point	bc	bc	bcp.c	cpqbc

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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

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.

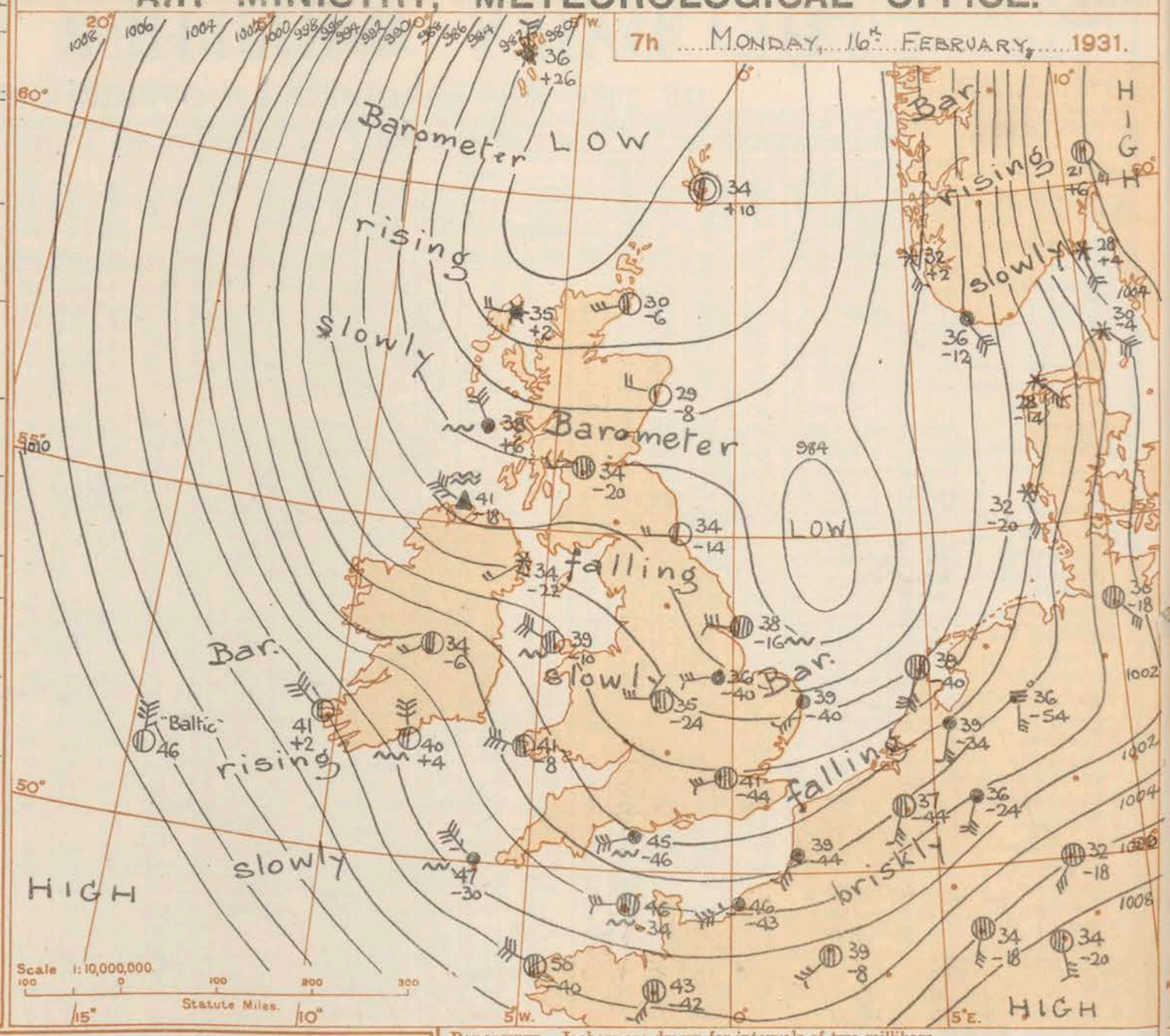
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 15th February, 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	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.	omclc	bc	31	47	3	–	2.4	6.6
	Bournemouth	bcb	bbc	35	50	3	–	5.8	8.2
	Ventnor ...	rbcfb	ocbc	35	49	5	–	5.6	8.4
	Southsea ...	obc	cbc	35	49	4	–	3.4	8.3
	Bognor Regis	cbcc	bccbc	35	49	4	–	3.4	8.6
	Littlehampton	cbc	bc	34	50	4	–	4.1	8.6
	Worthing ...	cbc	bcc	35	50	4	–	3.5	8.0
	Brighton ...	ffcbc	bcc	35	49	3	–	3.3	7.9
	Eastbourne†	orrac	cbc	34	49	3	0.4	3.0	7.9
ompcbc	Hastings† ...	~~orcbc~~	bc	33	47	3	0.4	2.2	8.3
	Folkestone ...	ocodf	ocof	33	43	2	0.2	0.2	8.2
	Dover... ...	roc	cm	34	46	1	0.1	0.7	8.2
	Deal	od	o	33	46	1	Trace	0.0	6.4
	Ramsgate ...	c	c	33	45	1	–	0.7	6.9
	Margate ...	sed	bcc	33	44	1	Trace	0.6	6.6
2	Southend ...	omc	cbc	33	45	2	Trace	0.4	8.2
	Maldon ...	sc	cbc	31	46	3	–	0.7	7.6
	Clacton-on-Sea	oc	cbcc	32	48	1	–	0.8	7.5
	Dovercourt ...	soc	bc	32	46	1	–	1.3	6.7
	Lowestoft ...	opro	bcobr	32	44	0.3	2	1.8	5.8
	Skegness ...	sbom	bcco	32	47	2	–	3.4	7.1
	Mablethorpe	bom	bcom	32	47	3	–	3.8	6.5
	Cleethorpes ...	mc	ocb	32	47	2	–	2.9	4.5
3	Leamington S.	cbc	bcc	34	49	2	–	2.0	7.0
4	Cheltenham†	omcbc	bc	34	47	2	Trace	2.9	6.2
5	Bath	bcbc	bcc	37	49	1	–	4.1	7.1
	Weymouth ...	b	b	38	52	1	–	7.0	8.3
	Jersey ...	crb	bc	40	52	2	0.6	3.7	7.7
	Torquay ...	pb	bcbbc	36	48	0.4	–	6.2	7.5
	Penzance ...	b	bbc	42	51	2	–	5.4	1.8
	St. Ives ...	b	c	42	49	1	–	5.9	0.4
	Bude	cbc	bcc	41	48	1	–	4.2	5.9
	Ilfracombe ...	b	b	40	48	2	–	5.3	4.6
6	Aberystwyth	cprbc	bcc	34	46	4	–	4.1	4.0
7	Llandudno ...	bc	bcrc	39	47	1	0.2	3.6	3.3
	Colwyn Bay...	opcbc	bcorb	38	47	2	1	4.2	3.5
	Rhyl	bc	oprc	38	48	1	1	3.2	4.9
8	Wallasey ...	bcb	bbcbc	37	46	3	0.5	3.8	6.1
	Southport‖ ...	bc	cob	~~43~~ 37	45	4	–	3.2	5.5
	Blackpool ...	cbc	cb	37	46	6	0.3	3.2	5.7
	Morecambe ...	rcbcc	bbcrb	34	44	4	2	2.1	5.6
9	Ilkley... ...	opcbc	bcpor	32	45	2	2	1.9	6.0
10	Berwick-on-T.	bc	bcc	32	44	2	–	3.9	4.5
11	Dunbar ...	b	bc	34	44	0.3	–	3.7	1.9
12	Douglas ...	bcgcbcirgbcb		36	46	3	0.5	4.9	1.4

† 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 the wind. Number of feathers indicate Beaufort force. Calm, - ⊙
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. ▲ 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. 16th Feb. 1931.
1. S.E. England ▼ 2. E. England... ▼ 3. E. Midlands	Fresh to strong northwest winds, reaching gale force in squalls in coastal areas; cloudy or variable sky, showers of rain, sleet or snow; cold, frost at night.
4. W. Midlands 5. S.W. England ▼ 6. South Wales ▼ 7. North Wales ▼ 8. N.W. England ▼ 9. N. Midlands	Fresh to strong northwest to north winds, reaching gale force at times in coastal areas; cloudy or variable sky, showers of rain, sleet or snow; cold, frost at night.
10. N.E. England ▼ 11. S.E. Scotland ▼	Moderate westerly wind, veering to north and becoming strong; cloudy or variable sky, sleet or snow showers, cold, frost at night
12. S.W. Scotland & Isle of Man ▼ 13. A. W. Scotld. B. N.W. Scotland. ▼	Wind northwest to north, strong to gale locally; cloudy or variable sky, sleet or snow showers, cold, night frost.
14. Mid-Scotland 15. N.E. Scotland ▼ 16. Orkneys and Shetlands. ▼	As 10 - 11.
17. N.W. Ireland ▼ 18. N.E. Ireland ▼ 19. S.E. Ireland ▼ 20. S.W. Ireland ▼	Wind northwest to north, strong to gale locally; cloudy or variable sky, showers of rain, sleet or snow; cold, night frost. SCR.

GENERAL INFERENCE.

A depression centred near the Shetlands is filling up slowly but a vigorous secondary has developed over the Dogger Area and is moving south or southeast. Winds will become northwest or north generally, strong to a gale locally. Weather will be unsettled with snow or sleet showers in the north and occasional rain elsewhere, at first, will be followed by snow or sleet showers. The fall in temperature in the north will extend southward.

FURTHER OUTLOOK.

Cold in the east, uncertain in the west.

Times of issue of Gale Warnings

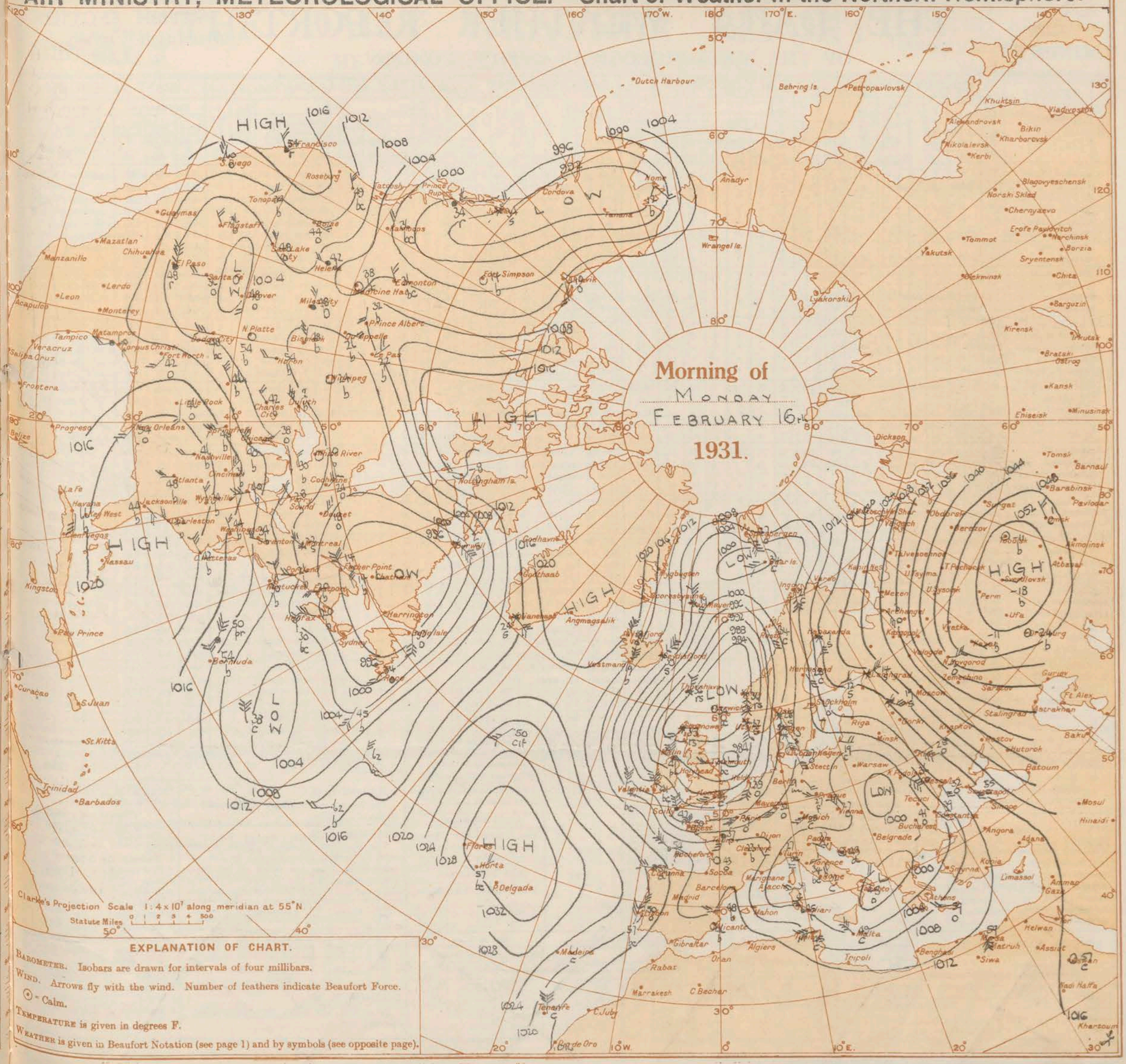
▼ South Cone at 0800 on 11th in 8,12,13A,13B, 15 to 20.
▼ South Cone at 0215 today in 5,6,7.
▼ South Cone at 0745 today in 1,2,10,11.

Forecasts issued at 1020 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2 Pa 2499/2/89 m 26 D 6028 Wo 908 28280 2/31

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



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Monday, 16th February, 1931.
No. 25,288

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)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	10032	-30	SSW	4	z	41	75	5	5	1	-	4-6	7-8	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	10021	-50	W	4	bc	44	85	7	5	3	-	2-3	4-6	2500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	10027	-34	WNW	4	z	37	95	6	-	1	-	0	7-8	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	9998	-24	SW'W	3	c	39	95	7	6	2	-	4-6	9+	2500
	Cranwell ...	240	9967	-50	SW	5	o	40	85	6	5	-	-	10	10	2500
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	1003.1	-40	WSW	6	c	46	75	8	4	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	10074	-12	WSW	3	id₀	45	85	7	5	2	-	4-6	10	4000
	Scilly (St. Mary's)	163	10067	-34	WNW	6	bc	47	85	7	8	-	-	4-6	4-6	4000
	Guernsey ...	175	10074	-30	W	3	pr₀	46	75	7	6	-	-	10	10	2600
6	Pembroke ...	142	1001.0	-28	W	5	ir	45	95	7	8	2	-	9	10	800
7	Holyhead ...	26	9972	-42	W	6	q	44	85	7	5	-	-	10	10	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	9952	-14	SW'S	3	c	40	95	7	6	2	-	4-6	9+	4000
	Tynemouth ...	67	9909	-36	W	3	o/r	38	95	6	6	-	-	10	10	1500
11	Inchkeith ...	190	9820	-26	WSW	4	c	36	85	8	5	2	-	2-3	9+	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	982.9	-22	WNW	3	bc/ph(r)	34	85	6	6	-	-	4-6	4-6	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	9838	-20	WSW	3	bc	30	95	8	3	1	-	2-3	4-6	1500
16	Lerwick ...	54	9807	-8	-	0	bc	35	85	7	8	-	-	4-6	4-6	1500
17	Blacksod Point	18	9990	-38	WSW	9	PH(R)	40	95	6	9	-	-	10	10	<150
18	Malin Head ...	52	9911	-26	NWW	6	prs	43	95	7	9	-	-	9+	9+	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	10049	-26	W	7	u	46	95	7	3	-	-	10	10	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 16th February. — PAST 24 HOURS.

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)	Temp. Max. Day 7h-18h °F. (31)	Temp. Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 15th Hrs. (36)
London (Kew)...	991.6	-46	SW	4	o	41	85	8	5	-	-	10	10	1500	1	*	48	39	33	0.3	-	2.2
Croydon	993.2	-44	~~WNW~~ WSW	~~2~~ 4	c/r	41	85	7	8	2	-	7-8	9+	2500	1	*	47	40	33	1	Tr.	1.6
S. Farnborough	992.3	-40	WSW	4	o	41	85	8	5	-	-	10	10	1500	1	*	50	38	31	Tr.	-	5.6
Winchester	992.4	-48	WSW	3	ir₀	40	85	7	6	2	-	7-8	9+	1500	1	*	49	39	29	0.1	0.3	3.3
Boscombe Down	992.4	-32	W	4	rr	39	95	7	6	-	-	10	10	450	1	*	48	38	36	Tr.	1	
Calshot, (S'thmtn)	993.2	-46	W'S	3	o/pr	41	85	7	5	-	-	10	10	1500	1	1	49	40	35	0.2	0.4	4.4
Dungeness	*	*	WSW	5	id₀	*	*	7	5	-	*	10	10	2500	*	3	45	38	*	3	Tr.	*
Lympne	993.2	-42	SW'W	3	r₀r₀	39	95	7	6	2	-	7-8	10	1500	1	*	41	37	34	4	0.2	0.3
Shoeburyness	991.3	-50	SW	3	c/r	40	95	7	4	-	-	7-8	7-8	5700	1	*	46	38	32	2	1	0.7
Felixstowe	991.3	-60	SW	3	r₀r₀	40	95	6	5	2	-	7-8	10	1500	1	2	45	38	35	0.4	1	1.0
Gorleston	989.5	-40	SW	4	r₀r₀	39	85	6	6	-	-	10	10	1500	1	1	45	38	34	0.2	0.6	1.2
Cranwell	988.3	-40	W	4	rr	36	95	6	6	-	-	10	10	800	1	*	46	36	35	-	2	2.6
Cardington	989.9	-38	SW	4	ir (PRS)	39	85	6	6	2	-	9	10	800	1	*	47	38	35	Tr.	Tr.	3.1
Birmingham	991.0	-24	WNW	3	c/~~ps~~	35	95	7	6	2	-	7-8	9+	1500	1	*	46	34	32	-	2	1.6
Upper Heyford	990.2	-48	SW	4	rr	37	95	6	6	2	-	7-8	10	800	1	*	42 (8)	36	32	-	0.6	
Leafield	990.7	-40	NW'W	5	r	37	95	8	6	-	-	10	10	1500	1	*	47	37	34	-	0.3	3.4
Ross-on-Wye	992.2	-32	WNW	3	c	37	95	8	6	2	-	2-3	7-8	2500	1	*	47	37	33	-	1	3.5
Portland Bill	993.2	-46	W'S	6	ir	45	75	7	3	-	-	10	10	1500	1	4	50	43	*	0.3	0.5	*
Plymouth	996.4	-52	NW	5	ir	42	85	8	6	-	-	9+	9+	1500	2	2	49	41		Tr.	2	3.9
Falmouth	998.4 (999)	-20	WNW	6	ir	44	85	7	6	2	-	4-6	10	2500	1	3	49	44	*	0.1	1	5.7
Scilly (St. Mary's)	998.7	-30	NW	8	ir₀	47	85	7	5	-	-	9	9	4000	1	4	50	45	*	0.3	0.1	5.3
Guernsey	998.1	-34	W	4	o	46	65	7	5	-	-	10	10	2500	1	4	50	44	38	0.6	2	5.3
Pembroke	994.6	-8	WNW	7	q	41	95	7	8	7	-	4-6	7-8	2500	1	3	48	41	*	0.5	2	4.2
Holyhead	992.4	-10	NW'W	6	q	39	85	8	7	-	-	7-8	7-8	1500	1	4	48	35	33	0.3	2	3.6
Chester (Sealand)	990.1	-16	W'N	4	c	38	85	7	8	-	-	7-8	7-8	2500	2	*	47	36	34	1	8	4.7
L'pool (Bidston)	989.5	-10	W'N	6	PH(R)	38	75	7	9	-	-	10	10	2500	6	*	45	35	33	0.2	7	3.5
Harrogate	988.0	-10	SW	1	c	33	95	9	6	-	-	7-8	7-8	2500	1	*	45	33	30	0.5	5	3.0
Spurn Head	986.2	-16	WNW	4	c/r	38	95	7	6	2	-	7-8	10	4000	1	4	44	37	*	-	1	3.1
Tynemouth	987.7	-14	W	2	bc	34	95	7	2	-	-	4-6	4-6	2500	1	2	47	33	29	0.1	1	*
Inchkeith	986.7	-8	WSW	4	c	33	95	7	5	2	-	2-3	9	1500	0	2	44	33	31	Tr	0.3	3.9
Leuchars	985.2	-10	WSW	4	bc	31	85	7	5	-	-	4-6	4-6	2500	4	*	45	29	26	Tr	-	4.8
Renfrew	986.2	-20	W	1	c	34	95	7	5	-	-	10	10	1500	7	*	44	29	21	1	4	3.2
Eskdalemuir	986.9	-14	SSW	3	c	29	95	7	5	-	-	7-8	7-8	1500	8	*	41	28	27	2	7	2.8
Tiree	984.8	+6	NW'N	5	pr	38	85	8	3	7	-	9+	9+	1500	1	4	44	33	31	2	3	2.8
Stornoway	981.6	+2	WSW	2	prs	35	95	6	3	-	-	9+	9+	4000	7	2	42	31	*	8	3	2.0
Dalwhinnie	984.8	-8	W	2	bc	27	95	8	5	4	-	2-3	4-6	4000	9	*	35	23	*	5	3	0.4
Aberdeen	983.9	-8	WNW	2	b	29	85	8	-	3	-	0	Tr.	-	4	1	44	29	21	-	-	5.5
Wick	981.7	-6	WSW	3	bc	30	95	8	3	-	8	2-3	4-6	1500	8	3	39	29	*	1	0.1	*
Lerwick	981.4	+10	-	0	bc	34	85	8	8	-	-	4-6	4-6	1500	8	*	39	32	*	6	5	0.8
Blacksod Point	996.8	-6	WNW	9	Q	42	75	7	9	-	-	10	10	<150	1	8	49	35	*	1	8	*
Malin Head	986.4	-18	NW	7	PH(R)	41	85	7	3	-	-	4-6	4-6	1500	1	6	43	35	*	6	7	0.3
Aldergrove	989.3	-24	SW	4	rs	34	95	7	6	-	-	10	10	450	6	*	43	32	29	3	4	1.1
Donaghadee	988.3	-22	SW	2	is₀	34	95	6	5	-	-	10	10	800	7	1	46	33	*	1	3	*
Birr Castle	997.0	-6	SW	2	c	34	95	8	3	7	-	7-8	9	~~450~~ 2500	1	*	48	34	30	Tr.	1	3.7
Valentia Obsy.†	1002.9	+2	NW	6	bc/pr	41	85	8	3	-	-	4-6	4-6	1500	1		48	39	37	Tr.	2	0.0
Roches Point	999.8	+4	N	6	bc	40	85	8	3	-	-	4-6	4-6	1500	1	4	50	36	*	-	1	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temp. Day Max. °F.	Temp. Night Min. °F.	Temp. 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	omrsbm₀	bcmbcz₀	bco	48	39	33	0.3	-	2.2	*	*	6
Croydon	217	ogrseffom	cbcm₀	cm₀rc	47	40	33	1	Tr.	1.6	*	*	6
Greenwich (Royal Observatory)	149	cf₀	cbc	cbcwcig	48	40	31	-	Tr.	0.7	66	85	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	1.6	*	*	*
Westminster (St. James' Park)	27	*	*	*	48	36	32	←0.2→		1.9	71	79	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	2.0	*	*	*
Camden Square	110	cmc	bcc	*	48	36	36	-	1	*	*	92	*
Kensington Palace	80	bc	bc	*	48	40	31	-	Tr.	*	At 18h. 89	87	*
Hampstead Observatory	450	oscbc	bc	*	46	35	29	0.1	0.5	2.1	*	85	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 16th

Station	Max.	Time.	Min.	Time.
South Kensington	1.0	10h 15th	<0.3	0h-7h 16th
Kew Observatory	0.4	10h 15th	<0.1	0h-3h 16th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 15th Feb. Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 16th Feb. 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	1010.7	W	2	c	39	1001.3	SW	4	c	39	41	37	Tr.	Tr.
Brussels	1007.8	SW	3	z	36	996.7	SSW	4	cjp	37	39	34	1	2
Berlin	1010.4	SSE	2	o	25	1003.3	SE	2	m	27	25	23	-	-
Zürich						1009.5	NNE	1	bc	21		19		-
Rome						1001.9	NE	2	c	32		30		-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

		Objects not visible at
0	Dense fog	55 yards.
1	Thick fog	220 ,,
2	Fog	550 ,,
3	Moderate fog	1,100 ,,
4	Mist or haze	1¼ miles.
5	Poor visibility	2½ ,,
6	Moderate ,,	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.

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

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AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 17th. February 1931.

No. 25289

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)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0-10 (12)	Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	989.4	-8	WNW	4	bc	41	45	7	8	-	-	4.6	4.6	2500
	Croydon	990.9	+2	NWN	4	z	41	65	6	7	-	1	4.6	4.6	2500
	S. Farnborough	990.3	-2	WNW	4	z bc	41	55	8	2	-	-	4.6	4.6	4000
	Winchester ...	990.9	-2	NW	4	c	42	65	8	8	-	-	7.8	7.8	4000
	Boscombe Down	991.5	-6	NW	4	c	40	65	8	8	-	-	7.8	7.8	2500
	Calshot, S'thmtn	991.6	-6	NW	6	c	42	55	8	8	-	-	7.8	7.8	2500
	Dungeness ...	*	*	NW	4	z	*	*	6	5	7	-	4.6	7.8	1500
	Lympne ...	988.4	-10	NW	6	pr$_o$	38	85	7	9	-	-	9+	9+	800
2	Shoeburyness	988.3	-10	NW	4	bc	42	75	8	2	6	-	2.3	4.6	4000
	Felixstowe ...	987.7	-6	NW	4	c	40	75	7	5	1	-	4.6	7.8	1500
	Gorleston ..	986.2	-4	NWN	4	c	39	95	7	8	-	-	9	9	2500
	Cranwell ...	987.4	-6	WN	3	c	40	75	6	8	-	-	9	9	2500
3	Cardington ...	988.8	-6	NWN	4	bc	41	55	6	8	7	-	4.6	4.6	4000
	Birmingham ...	988.4	-16	WNW	4	sh	39	65	6	6	-	-	9	9	1500
	Upper Heyford	989.5	-18	NWN	5	c	39	65	8	5	-	-	9	9	2500
	Leafield ...	989.0	-10	WNW	5	c	40	65	9	8	-	1	7.8	7.8	4000
4	Ross-on-Wye ...	990.3	-14	WN	4	prs	40	75	8	9	-	-	9	9	2500
5	Portland Bill...	992.5	-6	WNW	6	c	43	65	8	8	-	-	7.8	7.8	2500
	Plymouth ...	996.8	+4	NW	5	c	42	75	8	8	-	-	7.8	7.8	1500
	Falmouth ...	997.8	-6	WNW	6	c	43	65	8	3	-	-	7.8	7.8	4000
	Scilly (St. Mary's)	999.3	-8	NW	8	ir$_o$	43	65	7	3	-	-	7.8	7.8	4000
	Guernsey ...	995.5	0	NW	5	bc	44	55	8	7	4	-	2.3	4.6	2500
6	Pembroke ...	993.1	-8	NW	6	q	42	95	7	8	8	1	4.6	9	2500
7	Holyhead ...	990.1	-10	NWN	8	c/pr	42	85	8	8	-	3	7.8	9+	1500
	Chester (Sealand)	987.7	-18	WN	6	ph(r)	41	85	7	9	-	3	7.8	9	1500
8	L'pool (Bidston)	986.8	-16	W	6	c/ph	40	85	8	9	-	-	9+	9+	2500
9	Harrogate ...	986.2	-6	SSW	1	c	38	85	8	6	-	-	9+	9+	2500
10	Spurn Head ...	985.5	0	NWN	4	bc	40	75	7	1	-	1	2.3	2.3	4000
	Tynemouth ...	986.2	-4	N	2	bc	41	75	7	2	-	-	2.3	2.3	2500
11	Inchkeith ...	986.0	+8	W	3	bc	37	85	7	7	8	-	2.3	4.6	4000
	Leuchars ...	986.0	+4	WNW	2	bc	38	75	8	1	6	2	1	2.3	4000
12	Renfrew ...	987.9	+12	WN	1	c	38	85	7	8	3	-	9	9+	2500
	Eskdalemuir ...	986.0	-2	-	0	bc	35	85	8	1	-	1	2.3	2.3	1500
13A	Tiree ...	989.5	+18	NW	7	PH(R)	40	85	6	9	7	-	9	10	1500
13B	Stornoway ...	986.2	+16	N	4	prs	35	95	6	6	-	-	9+	9+	4000
15	Dalwhinnie ...	985.6	+4	WNW	1	c	30	95	4	5	-	-	9	9	800
	Aberdeen ...	986.0	+10	NE	2	b	37	65	8	1	-	1	Tr.	Tr.	2500
	Wick ...	984.9	+20	S	2	bc	38	95	8	9	1	-	4.6	4.6	1500
16	Lerwick ...	986.4	+22	SSE	1	bc	41	65	8	5	-	-	4.6	4.6	1500
17	Blacksod Point	1000.9	+10	N	8	c	42	75	8	9	-	-	7.8	7.8	220
18	Malin Head ...	992.0	+26	NNW	7	PH(R)	43	95	7	9	-	-	9	9	1500
	Aldergrove ...	991.7	+22	NW	5	c/ph(r)	37	85	7	6	-	3	7.8	9+	1500
	Donaghadee ...	989.5	+8	N	3	PH(R)	37	85	7	6	-	-	9	9	800
19	Birr Castle ...	997.5	+4	NW	3	c	40	85	8	3	-	-	9	9	2500
20	Valentia Obsy.	1004.5	+2	NW	7	bc/ph(r)	44	65	8	3	-	-	4.6	4.6	2500
	Roches Point...	999.1	-2	NW	5	bc/pr	41	95	8	3	-	-	4.6	4.6	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Amount Low 0-10 (26)	Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	987.5	-10	NW	4	ss	36	85	5	6	-	-	10	10	1500	3	*
Croydon	988.5	-10	NNW	2	rr	38	85	5	6	2	-	9	10	800	1	*
S. Farnborough	987.8	-12	W	3	c/pr	38	85	8	7	-	1	9+	9+	2500	1	*
Winchester	988.3	-12	WNW	4	bc	39	75	8	7	3	1	4.6	4.6	4000	1	*
Boscombe Down	988.8	-10	NW	4	bc	38	75	8	8	-	-	4.6	4.6	4000	1	*
Calshot, S'thmtn	988.9	-10	WNW	4	bc/pr	41	75	8	8	-	-	4.6	4.6	2500	1	2
Dungeness	*	*	WNW	3	bc	*	*	7	5	4	*	4.6	4.6	2500	*	2
Lympne	986.4	-18	W	4	z	35	75	6	7	-	-	7.8	7.8	4000	1	*
Shoeburyness	987.1	-10	WS	3	c	38	85	6	4	2	-	1	10	1500	1	*
Felixstowe	986.7	-6	W	1	c	38	75	7	5	-	-	7.8	7.8	4000	0	2
Gorleston	985.8	-6	NNW	4	c	38	85	6	8	-	-	7.8	7.8	2500	1	2
Cranwell	986.1	+6	WN	2	m	34	95	4	5	-	-	4.6	4.6	2500	1	*
Cardington	986.3	-6	WNW	2	ir	37	95	6	6	-	-	9	9	2500	1	*
Birmingham	987.7	+4	NW	4	c/pr	36	85	5	6	1	-	7.8	9	1500	1	*
Upper Heyford	987.7	+2	WNW	4	c/jp	36	95	8	8	-	-	7.8	7.8	1500	1	*
Leafield	987.6	-6	NWN	5	c/ps	34	95	9	6	9	1	2.3	7.8	800	6	*
Ross-on-Wye	989.4	-4	NWN	3	c	38	75	7	9	-	3	7.8	7.8	2500	1	*
Portland Bill	989.6	-8	NWW	7	c	44	75	8	8	8	-	4.6	7.8	1500	1	4
Plymouth	995.0	-6	NNW	5	c/ph(r)	38	85	7	3	3	3	4.6	7.8	1500	1	2
Falmouth	996.2	-4	NW	6	bc	43	65	8	3	-	-	4.6	4.6	4000	1	4
Scilly (St. Mary's)	999.0	0	NWN	8	c/jp	43	75	8	8	-	-	7.8	7.8	4000	1	4
Guernsey	993.1	-14	NW	5	bc	43	65	9	5	-	-	4.6	4.6	2500	1	4
Pembroke	994.1	+6	NW	6	q	41	95	7	3	8	1	4.6	7.8	800	?	3
Holyhead	991.2	+6	NWN	8	pr$_o$	39	95	7	8	-	-	9+	9+	1500	1	4
Chester (Sealand)	988.4	+8	NNW	5	pr$_o$	38	85	7	9	-	1	7.8	7.8	1500	1	*
L'pool (Bidston)	987.8	+4	NWW	5	PH(R)	37	85	8	6	-	-	10	10	1500	1	*
Harrogate	987.1	0	SW	2	c	36	85	7	9	-	-	7.8	7.8	2500	1	*
Spurn Head	985.3	0	N	2	bc	38	75	7	-	7	-	0	2.3	-	0	2
Tynemouth	986.8	+12	NNW	2	bc	38	85	7	2	-	-	4.6	4.6	2500	0	2
Inchkeith	988.3	+14	N	3	bc	36	95	8	-	8	-	0	2.3	-	0	1
Leuchars	988.7	+26	N	1	bc	32	85	7	4	6	-	1	2.3	4000	4	*
Renfrew	989.8	+22	NW	1	bc	37	85	6	5	-	-	4.6	4.6	2500	1	*
Eskdalemuir	988.0	+14	ENE	2	c	33	95	6	5	-	-	9	9	1500	6	*
Tiree	992.9	+32	NNW	8	c/rs	39	85	6	9	-	3	9	9+	1500	1	5
Stornoway	992.9	+34	N	2	bc	38	85	7	3	7	-	4.6	4.6	4000	2	2
Dalwhinnie	989.7	+30	N	1	c	32	85	6	5	-	-	9	9	800	9	*
Aberdeen	989.0	+24	NNW	3	b	34	85	8	-	4	3	0	Tr.	-	4	1
Wick	989.9	+34	NW	2	c	35	95	8	8	7	8	7.8	9+	2500	1	2
Lerwick	990.5	+20	N	2	bc	38	85	8	8	-	-	4.6	4.6	1500	3	*
Blacksod Point	1003.9	+20	N	8	PH(R)	39	75	8	9	-	-	7.8	7.8	450	6	8
Malin Head	995.1	+18	NNW	7	PH(R)	39	95	7	9	-	-	7.8	7.8	1500	1	7
Aldergrove	993.2	+10	NWN	5	PHR	37	85	7	9	-	-	9	9	1500	1	*
Donaghadee	989.9	+2	N	6	PH(R)	40	85	7	6	-	-	9+	9+	800	1	3
Birr Castle	1000.2	+20	NNW	4	rs	38	85	6	6	-	-	10	10	2500	1	*
Valentia Obsy.	1006.7	+18	NW	7	bc/ph	43	75	8	8	-	-	4.6	4.6	2500	1	5
Roches Point	1001.5	+16	N	6	bc	42	85	8	3	-	-	2.3	2.3	1500	1	4

PAST 24 HOURS. WEATHER.

Stations	7h.–13h. 16th (37)	13h.–18h. 16th (38)	18h. 16th to 1h. 17th (39)	1h.–7h. 17th. (40)
London (Kew)	crrm$_o$bcy	cpsrcrs	orscbcm$_o$	bccm$_o$x
Croydon	c$_o$f$_o$cbcm	csrrm$_o$	crrssqiqm$_o$	obcm$_o$x
S. Farnborough	ovrrcvp bc	bccprs bc	cpr bcb	bxm$_o$cxm$_o$
Winchester	cPRcbc	bccpr bc	bccprbc	bcm$_o$x
Boscombe Down	orc	cpr$_o$cr$_o$bc	bccps	cpsbbcc
Calshot, S'thmtn	cpr$_o$cbcqy	bcqybcpr	bbcc	cprbcxm
Dungeness	bc	bc	*	f-z
Lympne	crrpr$_o$	cpr$_o$bc	bcorsobcm$_o$	bcobcxm$_o$
Shoeburyness	cprbc	cprcm$_o$	oirbc	bx
Felixstowe	cr$_o$r$_o$m$_o$cz	cbcyc	c	cbcxm$_o$
Gorleston	or$_o$r$_o$cq	c	cbcbm$_o$x	bm$_o$cx
Cranwell	rrcm$_o$	crsmsc	cmpsbm$_o$	bm$_o$ossm
Cardington	cprbcm$_o$y bc	bccprsqr$_o$	bbc	cossm
Birmingham		cpshpr	cprsc	cos$_o$s$_o$
Upper Heyford	crrprs$_o$c	cprs$_o$ph$_o$PRS	cbcb	bos$_o$s$_o$s$_o$m$_o$
Leafield	rebce	cpr$_o$ps	cbcps$_o$	coss
Ross-on-Wye	bbccbc	cbcc	cos$_o$cp	cos$_o$s$_o$
Portland Bill	ircrsc	c	cpr	prcpc
Plymouth	crqbccpr	bccprh$_o$	cprhb	cprb
Falmouth	cirbcp$_o$q	bcPHq	bcph$_o$q	bccPHq
Scilly (St. Mary's)	cpbc	circp	cbcp	bccp
Guernsey	oirbc	cphbc	cphrq	bc
Pembroke	cq	cPRSq	cq	ircslq
Holyhead	cpr$_o$q	pr$_o$q	Prhq	bcq
Chester (Sealand)	cphrq	phprq	cpr$_o$bc	bcc
L'pool (Bidston)	phoc$_o$	PHRq	prcc	cqcq
Harrogate	cbpu	cbc	cbph	cisrs
Spurn Head	cbc	bc	bccph$_o$x	ossc
Tynemouth	bc	bc	bcois$_o$	ois$_o$irq
Inchkeith	bc	bc	bc	bcqrs
Leuchars	bcxps$_o$b	bbcx	bcxc	cirqr$_o$
Renfrew	ors$_o$smc	cbcm$_o$	bcm$_o$	bcm$_o$c
Eskdalemuir	rs$_o$s$_o$bc	bccm$_o$	cmbm	bm$_o$ssm
Tiree	cirph	cPHRSRS	cphr$_o$	cbc
Stornoway	cprs	cprsbc	cPH	cprs
Dalwhinnie	cismc	cpsmc	cpsqm	cKSpm
Aberdeen	b	b	bbc	bcorr
Wick	bc	bcc	bc	cPRRsc
Lerwick	bc	bcpr$_o$	bccpm$_o$	orr
Blacksod Point	phrqc	phrqc	prhqc	phrq
Malin Head	bccqphr	bccqphr	cbcqphr	bccqphr
Aldergrove	cqprshph	cqprh	cqprh	bcobc
Donaghadee	cPHR	cqPHR	ph$_o$cq	cq
Birr Castle	cprs	cphcprs	cprs	cpc
Valentia Obsy.	bccphrcbc	bccphbc	PHq	PHq
Roches Point	bcpqbc	pqphbc	bcpq	bcqbc

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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

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.

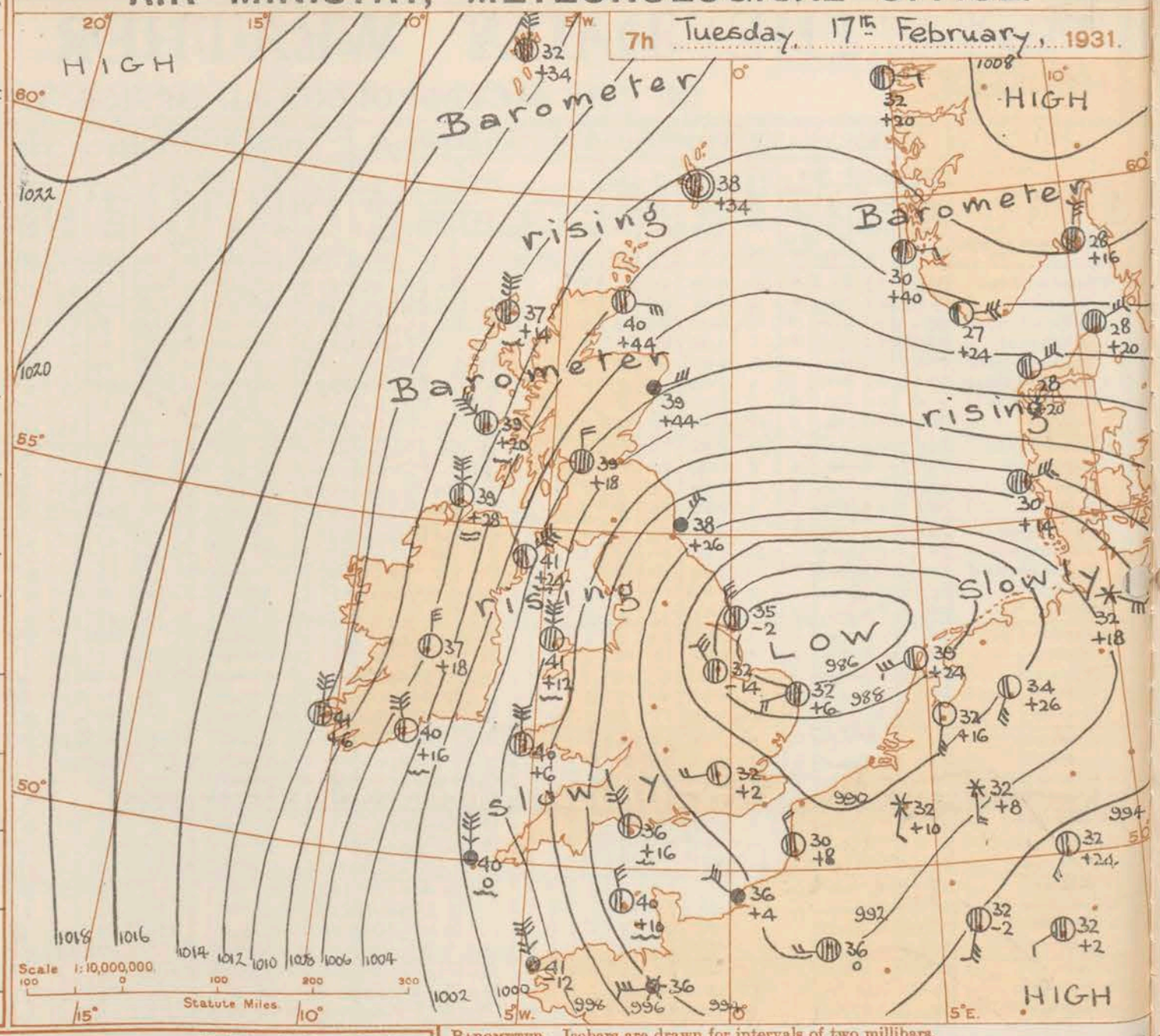
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 16th February 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	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.	odc	bcpsc	34	42	2	0.3	3.1	2.4
	Bournemouth	c	dc	39	44	1	0.3	4.8	5.8
	Ventnor ...	rcpbs	bcu	39	43	2	Trace	5.5	?
	Southsea ...	bbc	bbc	40	44	1	-	3.9	3.4
	Bognor Regis	cbcph	bcbcb	39	44	1	Trace	4.6	3.4
	Littlehampton	cpbc	bc	39	46	0.5	Trace	4.5	4.1
	Worthing ...	cbc	bcc	41	44	0.3	-	4.3	3.5
	Brighton ...	ocpcb	pcbc	41	45	0.1	Trace	4.3	3.3
	Eastbourne†	rcoc	bcbcc	39	44	3	0.2	4.3	3.0
	Hastings† ...	od	cbc	37	43	1	0.4	3.8	2.2
	Folkestone ...	oirc	cbcb	36	42	1	1	2.1	0.2
	Dover... ...	orbc	bcbcm	39	42	1	1	2.4	0.7
	Deal	orco	cbcb	35	43	Trace	0.5	2.0	0.0
	Ramsgate ...	crbc	bc	39	43	1	1	2.0	0.7
	Margate ...	crbc	bc	34	42	1	0.4	2.5	0.6
2	Southend ...	orc	cbcb	35	42	0.6	0.4	2.4	0.4
	Maldon ...	rcb	bcc	37	42	0.5	-	2.3	0.7
	Clacton-on-Sea	cbc	bc	35	41	1	-	2.7	0.8
	Dovercourt ...	doc	dbc	38	42	1	1	~~2.3~~ 2.4	1.3
	Lowestoft ...	c	cbcbc	33	39	1	-	2.2	1.8
	Skegness ...	ombc	bcc	37	43	1	Trace	4.0	3.4
	Mablethorpe	cbcm	bcc	37	42	1	-	4.1	3.8
	Cleethorpes...	cbm	bc	36	42	2	-	4.6	2.4 9
3	Leamington S.	bcc	phrs	35	42	2	3	3.3	2.0
4	Cheltenham†	bcbc	chipc	36	44	1	1	3.2	2.9
5	Bath	bccp	rh	39	43	2	1	2.6	4.6
	Weymouth ...	bbcph	bcb	40	46	0.5	Trace	4.9	7.0
	Jersey ...	rcbcpc	bc	44	46	4	3	4.0	3.7
	Torquay ...	orpbc	bcbpq	39	45	3	Trace	7.0	6.2
	Penzance ...	bcbq	bphrq	40	47	4	0.3	5.4	5.4
	St. Ives ...	c	c	40	45	3	-	4.4	5.9
	Bude	qcprl	pricq	*	48	1	0.4	4.4	4.2
	Ilfracombe ...	bc	bcp	40	44	5	0.5	1.9	5.3
6	Aberystwyth	c	phrs	38	42	2	1	1.2	4.1
7	Llandudno ...	cpc	cirsc	37	42	5	1	0.3	3.6
	Colwyn Bay...	oro	ohor	36	41	9	4	0.2	4.2
	Rhyl	cpribc	cphr	36	42	7	2	1.2	3.2
8	Wallasey ...	irsbc	chrso	36	42	7	1	1.3	3.8
	Southport‖ ...	coipc	cbcopo	36	41	4	1	1.2	3.2
	Blackpool ...	oroc	cp	36	42	4	1	2.4	3.2
	Morecambe ...	rbcbc	rpobc	33	41	4	1	2.0	2.1
9	Ilkley... ...	bcors	cbc	32	42	21	Trace	3.6	1.9
10	Berwick-on-T.	bcbcc	bc	32	40	-	-	4.5	3.9
11	Dunbar ..	bc	bc	32	39	-	-	6.9	3.7
12	Douglas ...	qbq	irqcb	34	42	4	2	1.8	4.9

* 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 the wind. Number of feathers indicate Beaufort force. Calm, = ⊙
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :—
○ Clear sky. ◯ Sky less than 1/10 clouded. ◐ Sky 1/10 to 5/10 clouded. ◑ Sky 7/10 to 9/10 clouded. ● Overcast sky.
● Rain falling. ✳ Snow. ▲ 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. 17th Feb. 1931.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Moderate or fresh variable winds, becoming from between northwest and northeast; mainly cloudy, occasional rain, sleet or snow, cold, night frost.
5. S.W. England ▲ 6. South Wales ▲ 7. North Wales ▲ 8. N.W. England ▲	Strong northerly winds, gale at times in coastal areas, moderating tomorrow; cloudy or variable sky, wintry showers, cold or rather cold, night frost.
9. N. Midlands 10. N.E. England 11. S.E. Scotland	Moderate or fresh northeast or east winds; mainly cloudy, occasional rain, sleet or snow, cold or rather cold, night frost.
12. S.W. Scotland & Isle of Man ▲ 13. A. W. Scotld. ▲ / B. N.W. Scotland. ▲ 14. Mid-Scotland	As 5 - 8.
15. N.E. Scotland 16. Orkneys and Shetlands. ▲	Moderate east or northeast winds; mainly cloudy, occasional rain, sleet or snow, cold or rather cold, night frost.
17. N.W. Ireland ▲ 18. N.E. Ireland ▲ 19. S.E. Ireland ▲ 20. S.W. Ireland ▲	As 5 - 8.

GENERAL INFERENCE.

A depression over the Southern North Sea is filling up slowly and a belt of high pressure stretches from the Azores to Iceland. Unsettled cold weather will continue with wintry showers in the west and north, but more general precipitation, mainly sleet or snow, will occur in the eastern half of England today.

FURTHER OUTLOOK.

None issued.

Time of issue of Gale Warning.

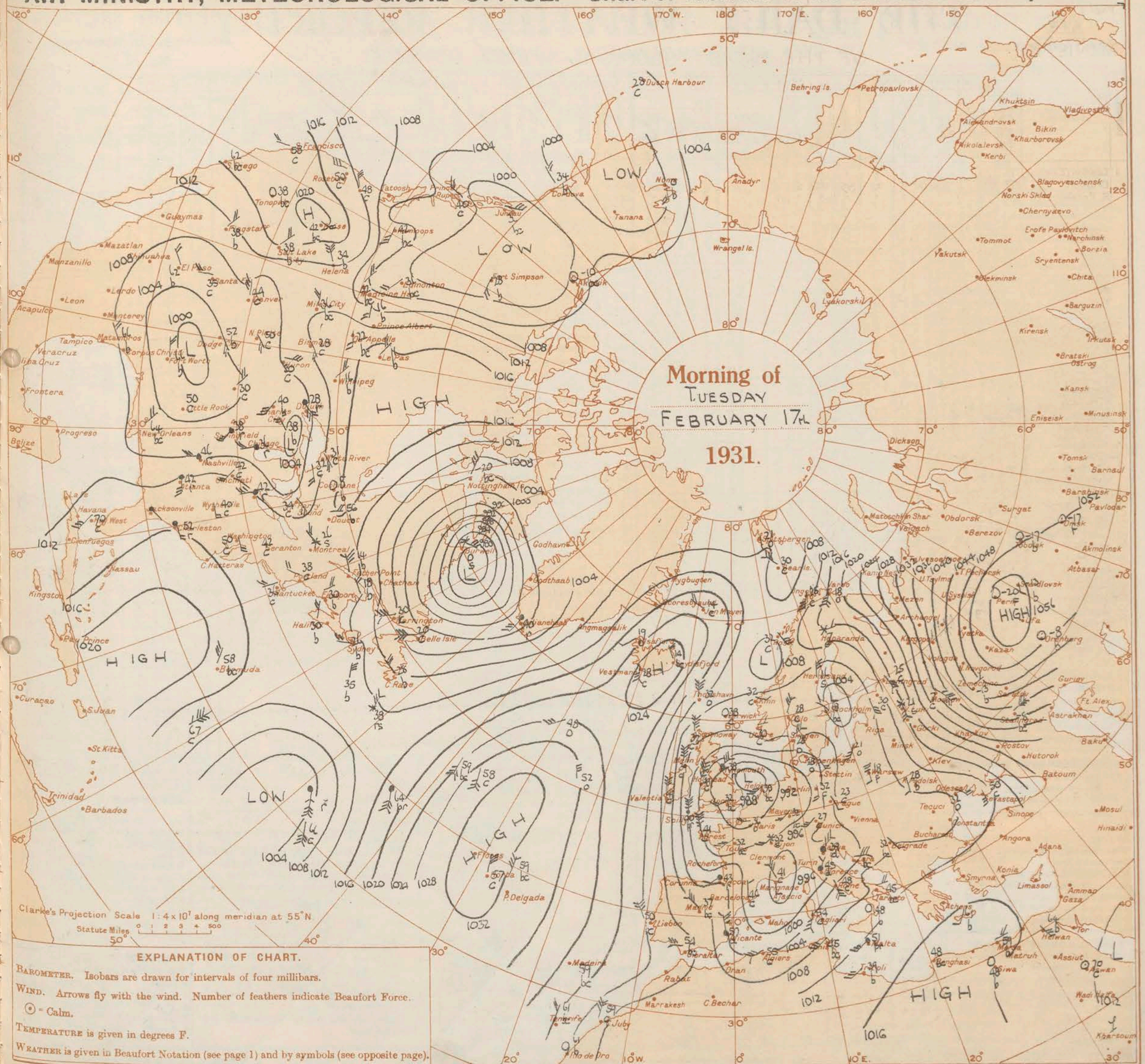
▲ North Cone at 0925 today in 5, 6, 7, 8, 12, 13A, 13B, 16, 17, 18, 19, 20.

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 Pk 2499/2189 m. 26 G 6024 20 508 2/1280 2/31

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).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 17th February 1931.

No. 25,289

OBSERVATIONS at 1 hr. G.M.T. 17th 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)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	990·1	+10	WNW	3	z	35	95	5	5	-	-	10	10	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	990·1	+6	NW	3	c	37	85	8	5	-	-	7-8	7-8	2500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	988·8	+16	NNW	4	z	33	95	5	5	-	-	4-6	4-6	450
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	987·4	+12	W	2	b	32	95	6	-	-	-	0	0	-
	Cranwell ...	240	990·1	+24	NW	4	bc	32	95	6	-	1	8	0	2-3	-
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	990·0	-6	WNW	8	pr	40	85	8	8	-	-	7-8	7-8	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	998·7	0	NW	6	pr	42	65	8	8	-	-	7-8	7-8	4000
	Scilly (St. Mary's)	163	1000·6	0	NNW	8	bc	42	65	8	4	-	-	4-6	4-6	4000
	Guernsey ...	175	994·2	0	NW	5	bc	42	55	8	5	-	-	4-6	4-6	2500
6	Pembroke ...	142	995·1	+2	NNW	7	q	41	75	7	8	-	-	7-8	7-8	2500
7	Holyhead ...	26	995·5	+28	N'E	6	c/phr	41	75	7	8	-	-	7-8	7-8	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	987·7	+4	N'W	3	c	34	95	7	3	5	-	4-6	7-8	2500
	Tynemouth ...	67	990·0	+6	NW	3	is₀	34	95	7	6	-	-	10	10	1500
11	Inchkeith ...	190	995·1	+20	NNW	3	bc	36	85	8	-	4	-	0	2-3	-
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1001·8	+36	N	8	o	37	95	7	6	-	-	10	10	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	996·7	+28	WNW	5	bc	36	85	8	8	-	8	2-3	4-6	2500
16	Lerwick ...	54	998·1	+36	E'S	4	rr	36	95	6	6	-	-	10	10	1500
17	Blacksod Point	18	1007·5	+14	N	8	Q	42	75	7	9	-	-	9+	9+	<150
18	Malin Head ...	52	1001·3	+38	N	8	bc/pr	43	95	7	9	-	-	4-6	4-6	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1010·0	+14	NW'N	5	PH(R)	41	95	7	3	-	-	4-6	4-6	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	991·1	+4	W'N	2	c	33	88	5	5	3	8	4-6	7-8	2500	6	*
Croydon	991·4	+2	W'S	2	z	32	95	5	5	3	-	2-3	4-6	800	1	*
S. Farnborough	991·5	+2	W	1	z	30	95	5	-	2	-	0	9	-	1	*
Winchester	992·2	+8	WNW	3	bc	31	88	6	5	1	-	4-6	4-6	4000	4	*
Boscombe Down	993·0	0	WNW	3	o	31	85	6	5	-	-	10	10	1500	6	*
Calshot	992·4	+10	NNW	4	m	32	85	4	-	7	-	0	4-6	-	1	1
Dungeness	*	*	WNW	2	z	*	*	5	5	-	*	4-6	4-6	2500	*	1
Lympne	990·3	+6	NNW	2	z	31	95	5	5	3	-	2-3	4-6	450	4	*
Shoeburyness	990·2	0	WNW	3	b	32	95	6	-	3	-	0	1	-	4	*
Felixstowe	990·1	0	WNW	2	z	32	95	5	5	-	-	4-6	4-6	4000	4	2
Gorleston	988·4	+6	W'N	2	c	32	85	7	9	-	-	7-8	7-8	1500	4	1
Cranwell	988·2	-14	NW'N	4	o/s	32	95	6	5	-	-	10	10	800	7	*
Cardington	989·9	-10	W	3	ss	31	95	4	5	-	-	10	10	450	7	*
Birmingham	991·1	-16	NNW	6	s₀s₀	33	95	6	6	-	-	10	10	1500	7	*
Upper Heyford	991·2	-10	WNW	3	s₀s₀	31	95	5	6	-	-	10	10	450	7	*
Leafield	990·4	-10	NW'W	4	ss	31	95	3	6	-	-	10	10	1500	7	*
Ross-on-Wye	992·9	-8	NW	3	is₀	33	95	6	6	-	-	10	10	2500	7	*
Portland Bill	993·4	+16	NNW	5	bc	36	75	7	8	4	4	2-3	4-6	1500	1	4
Plymouth	996·4	+10	N	5	bc/pr	38	85	8	3	-	-	4-6	4-6	1500	1	2
Falmouth	998·7	+8	NW	5	PH(R)	35	95	8	8	-	-	(9)	(9)	4000	2	3
Scilly (St. Mary's)	999·9	0	N	8	pr	40	85	7	3	-	-	4-6	4-6	4000	1	5
Guernsey	993·5	+10	N	3	bc	40	65	7	5	-	-	4-6	4-6	2500	1	4
Pembroke	997·1	+6	N	6	c/phr	40	85	7	9	7	-	7-8	9	800	1	3
Holyhead	998·6	+12	N'E	8	q	41	75	8	8	-	3	7-8	7-8	1500	1	4
Chester (Sealand)	993·9	-2	NNW	6	q	38	75	8	5	-	-	9	9	4000	1	*
L'pool (Bidston)	992·7	-4	NW	7	q	38	65	8	5	-	-	9	9	2500	1	*
Harrogate	991·2	+10	NW'N	4	is₀	34	95	7	6	2	-	9	10	2500	6	*
Spurn Head	986·8	-2	NNW	3	c/p	35	95	7	6	3	-	4-6	9	4000	3	3
Tynemouth	992·9	+26	NE	4	rr	38	95	7	6	-	-	10	10	1500	1	3
Inchkeith	997·9	+12	N	5	r₀r₀	38	85	8	5	2	-	7-8	10	800	1	3
Leuchars	999·9	+20	N	3	ir₀	36	95	7	6	-	-	10	10	800	1	*
Renfrew	1001·6	+18	N	2	o	39	65	7	5	-	-	10	10	1500	4	*
Eskdalemuir	996·7	+20	N'E	6	ss	32	95	4	6	-	-	10	10	450	8	*
Tiree	1006·4	+20	NW	8	c	39	75	8	5	-	8	2-3	7-8	1500	0	5
Stornoway	1007·9	+14	N	7	c	37	85	7	6	-	-	9+	9+	4000	2	4
Dalwhinnie	1002·8	+26	N	5	ps	33	85	5	5	-	-	10	10	800	9	*
Aberdeen	1001·6	+44	ENE	3	ir₀	39	85	6	6	-	-	10	10	1500	1	2
Wick	1003·4	+44	ESE	3	c/pr	40	95	8	8	2	-	7-8	10	1500	1	3
Lerwick	1006·0	+34	-	0	c	38	95	8	5	2	-	4-6	9+	1500	3	*
Blacksod Point	1011·9	+24	N	8	PHR	40	85	7	9	-	-	9+	9+	<150	6	8
Malin Head	1006·7	+28	N	8	c/pr	39	95	7	9	6	-	7-8	7-8	2500	1	7
Aldergrove	1004·6	+24	NNW	6	bc	38	75	7	8	-	-	4-6	4-6	2500	1	*
Donaghadee	1002·0	+24	NE	7	q	41	75	7	3	-	-	7-8	7-8	800	1	4
Birr Castle	1006·5	+18	N	3	bc	37	85	8	-	4	-	0	2-3	-	1	*
Valentia Obsy.†	1011·0	+6	N	6	c/phr	41	95	8	3	-	-	9	9	1500	1	·
Roches Point	1005·5	+16	N	6	bc	40	85	8	3	-	-	2-3	2-3	1500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 16th Hrs. (36)
London (Kew)	43	32	26	2	1	2.7
Croydon	43	32	29	2	2	2.2
S. Farnborough	42	30	25	0.4	1	3.4
Winchester	43	30	27	2	0.6	2.8
Boscombe Down	43	30	27	1	1	
Calshot	43	32	29	0.2	0.4	3.7
Dungeness	43	30	*	1	Tr	*
Lympne	40	30	26	2	1	2.5
Shoeburyness	42	30	26	0.3	2	2.6
Felixstowe	41	31	24	0.1	-	2.4
Gorleston	40	30	27	2	-	0.8
Cranwell	41	31	29	2	3	2.5
Cardington	42	31	30	2	2	2.6
Birmingham	40	31	28	1	1	3.7
Upper Heyford	41	30	27	1	1	
Leafield	40	29	26	0.3	3	3.3
Ross-on-Wye	42	32	24	Tr.	3	5.0
Portland Bill	46	35	*	Tr.	1	*
Plymouth	45	36		1	1	5.6
Falmouth	45	35	*	2	5	5.4
Scilly (St. Mary's)	47	39	*	2	0.3	6.2
Guernsey	46	39	34	4	0.6	4.2
Pembroke	44	38	*	1	5	3.2
Holyhead	42	36	26	0.4	1	1.4
Chester (Sealand)	42	33	29	1	0.2	2.5
L'pool (Bidston)	40	34	31	2	0.2	1.7
Harrogate	39	32	27	Tr.	1	4.4
Spurn Head	41	32	*	-	3	4.7
Tynemouth	41	33	28	-	5	*
Inchkeith	41	34	29	-	1	5.0
Leuchars	40	30	26	Tr.	0.3	6.3
Renfrew	41	32	24	0.2	-	2.8
Eskdalemuir	37	27	21	1	0.3	2.6
Tiree	43	37	35	7	0.1	0.2
Stornoway	39	35	*	7	2	0.1
Dalwhinnie	33	29	26	1	2	0.4
Aberdeen	40	32	29	-	5	7.9
Wick	40	34	*	-	3	*
Lerwick	42	33	*	Tr.	13	5.3
Blacksod Point	44	37	*	3	1	*
Malin Head	43	36	*	2	3	1.8
Aldergrove	39	33	33	6	1	0.3
Donaghadee	41	38	*	8	1	*
Birr Castle	42	34	32	4	1	2.7
Valentia Obsy.†	46	37	35	2	3	3.3
Roches Point	44	38	*	3	0.1	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h. (To-day)
Kew	18	crm₀bcy	cps₀rcr	orscbcng	43	32	26	2	1	2.7	*	*	4
Croydon	217	od₀cbcm₀	cs₀rrrm₀	orrssqbcm	43	32	29	2	2	2.2	*	*	4
Greenwich (Royal Observatory)	149	cr₀c	crcy	cd₀bcsf	42	32	25	1	0.3	0.8	52	92	3
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	2.2	*	*	*
Westminster (St. James' Park)	27	*	*	*						2.2			*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	1.9	*	*	*
Camden Square	110	orc	cos₀r	*	43	32	27	1	Tr	*	*	92	*
Kensington Palace	80	ood₀bcc	ccorcr	*	43	32	26	2	0.4	*	At 18h. 81	91	*
Hampstead Observatory	450	orS	bcpomom	*	42	28	21	1	0.3	2.5	*	92	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

	Max.	Time.	Min.	Time.
South Kensington.	1·0	20h 16th	0·3	00-03h 17th
Kew Observatory.	0·3	19h 16th	0·1	10h 16th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 16th Feb. Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 17th Feb. 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	990·9	SW'W	2	bc	37	991·5	W	2	c	36	37	36	5	0.6
Brussels	985·8	WNW	3	rs	36	990·3	SSW	1	is₀	32	37	30	13	2
Berlin	993·6	SE	2	m	36	997·0	SSE	2	c	32	37	30	—	—
Zürich	997·8	S	1	z	34	998·7	N	1	s₀s₀	32	39	30	—	10
Rome	1005·0	NE	2	bc	48	1003·9	SSE	5	c	48		37	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 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.

† 1 hr observations are from Valentia W/T station

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 18th February 1931.

No. 25,290.

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)	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)...	992.9	+14	ENE	1	o	35	85	5	5	-	-	10	10	450
	Croydon	992.9	+14	SE	2	$s_o s_o$	35	95	5	9	.	.	9+	9+	1500
	S. Farnborough	991.9	+6	NE	1	z	35	95	5	5	-	.	9+	9+	450
	Winchester ...	991.9	+4	N	3	rs	33	95	6	5	-	.	10	10	800
	Boscombe Down	992.1	0	N	3	$s_o s_o$	33	95	5	5	-	-	10	10	800
	Calshot, S'thmtn	991.9	-2	NW	3	$s_o s_o$	34	95	4	6	-	-	10	10	800
	Dungeness ...	*	*	SE	2	bc	*	*	7	1	-	-	4.6	4.6	2500
	Lympne ...	992.7	+14	ESE	3	z	40	65	6	8	-	-	2.3	2.3	2500
2	Shoeburyness	993.5	+14	NE	2	bc	41	75	6	5	-	-	4.6	4.6	4000
	Felixstowe ...	994.3	+30	ENE	2	z	39	75	6	5	-	1	1	2.3	4000
	Gorleston ...	994.4	+30	-	0	c	39	85	6	8	1	-	4.6	9+	2500
	Cranwell ...	995.5	+46	NNE	5	rr	35	95	6	6	-	-	10	10	450
3	Cardington ...	993.6	+30	ENE	2	c	35	85	7	5	-	.	9+	9+	1500
	Birmingham ...	995.5	+34	NNE	4	ir_o	36	95	4	6	-	-	10	10	1500
	Upper Heyford	993.8	+30	NE	4	is_o	33	95	6	6	-	-	10	10	800
	Leafield ...	993.2	+26	N'E	4	id_o	33	95	6	5	-	-	10	10	1500
4	Ross-on-Wye ...	995.5	+12	NNE	3	$r_o r_o$	37	95	6	6	-	-	10	10	1500
5	Portland Bill...	992.1	-10	NW	5	rs	39	85	7	9	4	-	7.8	10	1500
	Plymouth ...	995.0	-6	NNW	6	q	42	95	8	9	3	-	9+	9+	1500
	Falmouth ...	998.5	0	N'W	7	PR	41	85	7	8	-	-	4.6	(4.6)	4000
	Scilly (St. Mary's)	1001.3	0	N	8	c	43	75	7	8	-	-	7.8	7.8	4000
	Guernsey ...	994.4	-10	NNW	3	id_o	39	85	6	6	-	.	10	10	1500
6	Pembroke ...	998.5	+12	NNW	8	ir	40	95	7	9	-	-	10	10	800
7	Holyhead ...	1003.4	+38	NNE	7	c/pr	42	85	6	8	3	-	4.6	9+	1500
	Chester (Sealand)	1000.4	+44	N'E	5	z	41	85	6	5	-	-	9+	9+	1500
8	L'pool (Bidston)	1000.3	+44	N'E	5	q	40	75	8	5	-	-	9	9	1500
9	Harrogate ...	1000.7	+54	N	5	TSB	36	95	7	6	2	-	9	10	2500
10	Spurn Head ...	995.9	+30	NE'E	6	$r_o r_o$	37	95	6	6	2	.	7.8	10	4000
	Tynemouth ...	1004.0	+60	NE	6	o/ph	39	85	7	6	-	-	10	10	1500
11	Inchkeith ...	1008.4	+50	ENE	5	c	39	85	8	5	7	-	4.6	9+	1500
	Leuchars ...	1010.1	+46	NE	3	c/r	40	65	7	5	3	-	7.8	9+	4000
12	Renfrew ...	1010.2	+46	NE	4	pr_o	41	85	7	8	-	-	9+	9+	2500
	Eskdalemuir ...	1007.4	+54	NEE	5	psh	35	85	6	9	-	-	10	10	800
13A	Tiree ...	1012.7	+38	N'E	7	c	42	85	8	5	7	8	7.8	7.8	2500
13B	Stornoway ...	1014.6	+40	N	6	c	42	85	7	9	6	-	4.6	7.8	4000
15	Dalwhinnie ...	1011.9	+34	N	2	c	34	85	7	5	-	-	9	9	1500
	Aberdeen ...	1011.4	+24	E	3	bc	41	75	8	5	4	.	4.6	4.6	2500
	Wick ...	1012.7	+38	NE	3	c	40	95	8	8	2	.	7.8	9+	1500
16	Lerwick ...	1013.0	+24	NW	1	bc	41	85	8	2	-	-	2.3	2.3	1500
17	Blacksod Point	1015.5	+16	N	8	bc	40	95	8	9	-	-	4.6	4.6	800
18	Malin Head ...	1011.6	+24	N	7	pr_o	42	95	7	9	-	-	9+	9+	2500
	Aldergrove ...	1009.6	+36	N	4	c	41	75	8	7	-	-	9	9	2500
	Donaghadee ...	1008.2	+38	NE	7	q	42	75	7	3	2	-	4.6	7.8	800
19	Birr Castle ...	1009.3	+8	NNE	3	c	43	65	8	5	-	-	9	9	2500
20	Valentia Obsy.	1014.1	+16	N'E	7	bc/ph	40	85	8	8	-	-	4.6	4.6	2500
	Roches Point...	1006.6	+6	N	6	bc	43	65	8	3	-	-	4.6	4.6	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	999.8 [999.3]	+48	N'E	3	m	36	75	4	-	1	6	0	4.6	-	1	*
Croydon	999.2	+36	NE'N	3	cf	36	85	3	5	-	5	4.6	7.8	2500	1	*
S. Farnborough	999.2	+46	NNE	2	m	34	85	4	-	3	3	0	4.6	-	1	*
Winchester	1001.3	+68 [50]	N'E	3	m	34	85	4	5	.	6	4.6	7.8	1500	6	*
Boscombe Down	999.8	+50	NNE	4	c	34	85	6	5	1	-	2.3	10	2500	7	*
Calshot, S'thmtn	998.0	+46	N	4	bc	35	85	6	5	-	-	2.3	2.3	1500	1	2
Dungeness	*	*	ESE	4	c	*	*	7	5	2	*	7.8	10 [9]	1500	*	2
Lympne	997.4	+22	NNE	4	z	36	85	6	5	3	-	2.3	4.6	5700	1	*
Shoeburyness	998.9	+50	NE	2	bc	33	95	7	-	6	-	0	2.3	-	0	*
Felixstowe	999.8	+32	NNE	3	z	34	85	6	-	-	4	0	4.6	-	0	1
Gorleston	1000.5	+36	ENE	3	bc	36	85	7	8	1	-	4.6	4.6	4000	0	1
Cranwell	1002.9	+40	NNE	6	ir_o	34	95	6	6	-	-	10	10	450	1	*
Cardington	999.4	+40	NE'N	4	$s_o s_o$	33	95	5	6	-	-	10	10	1500	7	*
Birmingham	1003.9	+44	NNE	5	rs_o	34	95	6	6	-	-	10	10	800	1	*
Upper Heyford	1001.3	+46	NE	5	$s_o s_o$	33	95	5	6	-	-	10	10	800	7	*
Leafield	1000.9	+50	NNE	5	$s_o s_o$	33	95	6	6	-	-	10	10	800	7	*
Ross-on-Wye	1003.1	+50	NNE	5	dd	36	85	5	6	-	-	10	10	1500	1	*
Portland Bill	997.2	+32	NNE	6	c/r	37	75	6	5	4	-	4.6	9	1500	1	4
Plymouth	999.0	+32	NE'N	6	ir_o	41	65	7	6	-	-	10 [9]	(10)	1500	1	2
Falmouth	1000.9	+12	N'E	7	c	42	65	8	8	-	-	4.6	(4.6)	4000	1	5
Scilly (St. Mary's)	1001.8	+10	NNE	9	c	43	75	6	2	-	1	4.6	7.8	4000	1	5
Guernsey	994.6	+20	NNE	4	o	40	85	6	5	-	-	10	10	1500	2	4
Pembroke	1005.1	+34	N	5	cq	40	85	7	9	7	1	4.6	7.8	1500	1	3
Holyhead	1009.9	+42	NE	7	bcq	40	65	8	8	-	-	4.6	4.6	2500	1	4
Chester (Sealand)	1008.8	+56	NNE	5	c	38	75	7	5	-	-	10	10	1500	1	*
L'pool (Bidston)	1008.6	+44	NNE	5	cq	37	65	8	5	-	-	7.8	7.8	1500	0	*
Harrogate	1007.7	+40	N	5	cq	35	65	7	6	-	-	9+	9+	4000	1	*
Spurn Head	1002.0	+18	NE'E	7	rr	37	95	6	6	2	-	7.8	10	2500	1	6
Tynemouth	1010.5	+36	NE	6	o	39	75	7	6	-	.	10	10	1500	0	6
Inchkeith	1014.3	+30	NE	4	c	39	85	7	8	3	-	4.6	9+	4000	0	4
Leuchars	1015.5	+22	NNW	2	c	37	85	7	5	1	-	4.6	10	4000	1	*
Renfrew	1016.4	+36	NE	3	c	39	75	6	8	-	-	9	9	2500	1	*
Eskdalemuir	1013.6	+38	NE	5	c	34	75	8	5	-	-	10	10	1500	6	*
Tiree	1018.2	+32	N	5	pr	41	85	8	8	4	3	7.8	9	1500	1	4
Stornoway	1018.9	+28	NNE	3	bc	38	95	7	3	2	-	2.3	4.6	4000	2	3
Dalwhinnie	1017.2	+30	N	1	c	33	95	7	5	6	-	4.6	9	800	9	*
Aberdeen	1016.2	+28	NNW	3	c	37	75	7	5	7	-	9+	10	2500	1	3
Wick	1016.7	+22	NW	3	bc	38	85	8	4	-	8	2.3	4.6	2500	0	3
Lerwick	1016.6	+24	NW	1	bc	38	95	8	2	-	-	2.3	2.3	1500	3	*
Blacksod Point	1017.7	+20	N	8	c	43	85	8	9	-	-	7.8	7.8	450	0	7
Malin Head	1017.5	+36	N	6	bc	43	95	8	4	-	-	2.3	2.3	4000	0	5
Aldergrove	1015.5	+42	NEN	3	z	38	75	6	5	-	.	4.6	4.6	2500	1	*
Donaghadee	1014.6	+36	NE	6	bcq	41	75	7	3	2	-	4.6	4.6	800	0	3
Birr Castle	1013.7	+24	N	1	c	40	85	7	5	-	-	7.8	7.8	2500	1	*
Valentia Obsy.	1015.3	+10	N	7	bc/ph(r)	43	75	8	8	-	.	4.6	4.6	2500	1	3
Roches Point	1011.0	+32	N	5	c	43	75	8	3	-	-	9	9	1500	0	4

PAST 24 HOURS. WEATHER.

Stations	7h.–13h. 16th (37)	13h.–18h. 16th (38)	18h. 16th to 1h. 17th (39)	1h.–7h. 17th (40)
London (Kew)	$omssom_o$	$om_o bcz$	$bczbm_o x$	$bm_o xcm_o x$
Croydon	xcossms	$bcm_o bcf$	bffmxossem	$bccm_o is_o$
S. Farnborough	$cossm_o s_o s_o$	$cm_o bfbm$	$bcbmxcm_o x$	cxmsscx
Winchester	$bccossm_o$	$oir_o s_o wmc$	$cm_o bcb$	bbcc
Boscombe Down	ossssoss	fssm	$cmrs_o rs_o c$	c
Calshot, S'thmtn	$bcxm_o ossf$	$os_o s_o cm_o b$	$bcm_o xl$	$bcm_o x$
Dungeness	bc	bc	*	bc
Lympne	$bbcm_o$	b,cprbcm	$bcps_o m_o$	$bcos_o tlrsq$
Shoeburyness	$bbcm_o$	$bm_o bc$	$bcxcprs_o$	$cprs_o$
Felixstowe	bcxbzbc	bcz_o	bcxcprs	c
Gorleston	c	cbcc	bcbcprq	$bcir_o cq$
Cranwell	rsmssrsr	$irrsrsr_o$	$crs_o, ps_o m_o$	$cps_o ossm_o$
Cardington	ssmosc	$crs_o s_o s_o m_o$	$os_o s_o$	$os_o cm_o$
Birmingham	csrsm	$oirs_o$	$ors_o s_o$	ors_o
Upper Heyford	$os_o s_o sss_o$	$os_o s_o ms$	$os_o ssm_o$	cosso
Leafield	$ossid_o$	$idcos_o s$	osc	c
Ross-on-Wye	$sod_o or_o$	$r_o or_o d$	$oros_o go$	oc
Portland Bill	bccrs	$crsir_o cz$	bc	bcc
Plymouth	bccprq	$cprair_o q$	$or_o qbc$	$bccqr_o$
Falmouth	cHq	cRq	cq	cbcq
Scilly (St. Mary's)	cph	cPHR	cp	c
Guernsey	crsir	orro	oprc	cpro
Pembroke	cpoirq	cirq	cq	$bccprs_o$
Holyhead	$cpr_o q$	$pr_o phq$	$bcc, pr_o q$	bcq
Chester (Sealand)	$cqpr_o c$	cpbq	c	om_o
L'pool (Bidston)	cqcoq	cqq	c	coprc
Harrogate	csrrs	crscq	cis	cis
Spurn Head	$cr_o r$	$cr_o rq$	cphcir	cpshr
Tynemouth	ophq	oph q	$ophqir_o$	oq
Inchkeith	cpr	c	$oir_o c$	$bccoir_o$
Leuchars	cir_o	c	$cr_o c$	c
Renfrew	$cprspr_o$	cbccc	$cm_o bc$	bccx
Eskdalemuir	ossprspsh	cpshc	$cps_o bc$	bccpsc
Tiree	bccbc	bc		
Stornoway	$cp_o bc$	p	bc	bc
Dalwhinnie	opscpsc	opsc		
Aberdeen	$cir_o c$	bcc	cbcb	bccirc
Wick	circ	cbc	bc	bc
Lerwick	cbc	bc	bc	bc
Blacksod Point	phrqc	phrqc	prcq	prc
Malin Head	$cqpr_o$	cbcc	bc	
Aldergrove	bccjpbc	cpcpbcz	$bcxm_o$	bx
Donaghadee	cq	cbcq	cq	cq
Birr Castle	bcc	$coir_o c$	cbc	bcbx
Valentia Obsy.	cphqbc	bccphqc	cPHbc	bcbbc
Roches Point	bc	bcc	cbc	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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

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.

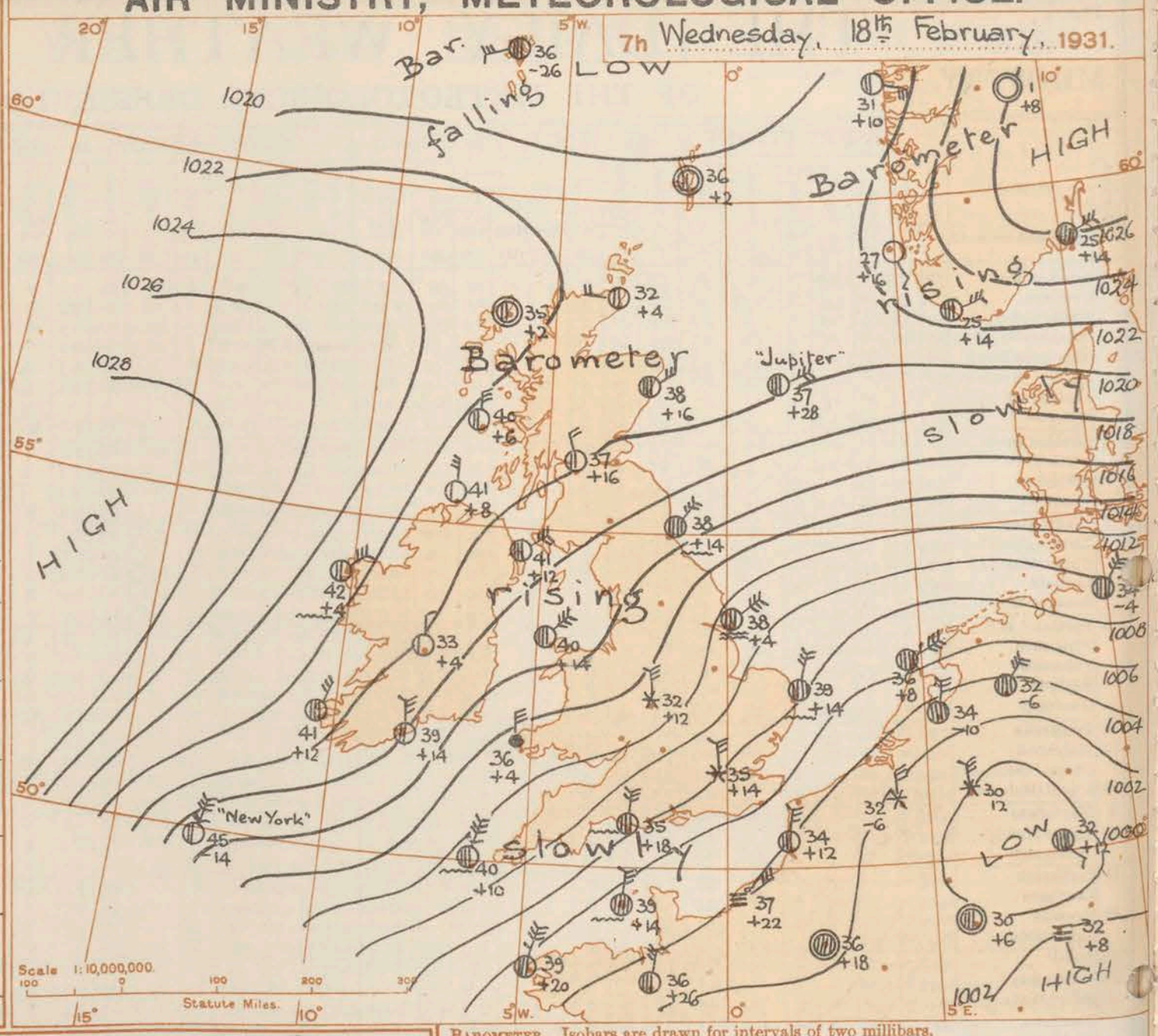
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 17th February 1931.

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.	coso	cbcc	30	38	3	0.5	2.2	3.1
	Bournemouth	s	o	32	36	0.5	4	0.0	4.8
	Ventnor ...	os	oscu	31	36	2	3	0.0	5.5
	Southsea ...	osirs	cbb	33	37	0.6	1	0.3	3.9
	Bognor Regis	sors	sscbc	32	37	Trace	2	1.1	4.6
	Littlehampton	bccrs	cscbc	32	37	1	1	1.7	4.5
	Worthing ...	cos.	s.dbc	32	38	0.3	1	2.2	4.3
	Brighton ...	bcsc	bcb	33	39	0.2	2	3.6	4.3
	Eastbourne†	bbcc	cbbcbc	33	41	0.5	-	6.8	4.3
	Hastings† ...	bbc	bc	32	42	1	-	7.2	3.8
	Folkestone ...	xbc.	bbch.	31	41	1	Trace	7.2	2.1
	Dover... ...	mbbc	bccpsbc	33	43	2	Trace	6.8	2.4
	Deal	b	bbco	31	41	1	-	6.4	2.0
	Ramsgate ...	bm	bbcm	33	41	3	-	6.7	2.0
	Margate ...	bc	bc	33	40	4	-	6.3	2.5
2	Southend ...	cmbc	bcbm	31	42	1	-	4.7	2.4
	Maldon ...	rscbc	bbc	32	41	2	0.3	4.3	2.3
	Clacton-on-Sea	bmbc	bc	29	40	-	-	7.0	2.7
	Dovercourt ...	xb	bc	30	38	-	-	6.4	2.4
	Lowestoft ...	cbc	cbc	30	37	-	-	4.0	2.2
	Skegness ...	sorm.	ro	31	38	Trace	5	0.0	4.0
	Mablethorpe	oirm.	oirm.	31	39	4	3	0.0	4.1
	Cleethorpes ...	Ro	ors	32	43	6	2	0.0	4.6
3	Leamington S.	sor	rr	32	36	4	6	0.0	3.3
4	Cheltenham†	oisir	orr	31	40	2	4	0.0	3.2
5	Bath	sspcps	crr	33	38	4	4	0.0	2.6
	Weymouth ...	rsrd	c	32	41	2	1	0.5	4.9
	Jersey ...	persr	rr	41	42	0.1	8	1.5	4.0
	Torquay ...	rhspb	crsepm.	35	42	1	1	0.8	7.0
	Penzance ...	cbihq	bcihq	36	46		1	3.0	5.4
	St. Ives ...	p	o	39	44	4	0.5	0.0	4.4
	Bude	bcprh	cqc	30	?	1	1	1.7	4.4
	Ilfracombe ...	co	o	35	43	3	-	0.0	1.9
6	Aberystwyth	cprs	cprsc	35	41	9	1	0.1	1.2
7	Llandudno ...	c	chc	36	42	6	Trace	0.0	0.3
	Colwyn Bay...	o	o	36	41	4	-	0.0	0.2
	Rhyl	c	cproc	36	42	2	Trace	0.0	1.2
8	Wallasey ...	cpoc	pc	35	41	Trace	Trace	0.3	1.3
	Southport‖ ...	oco	oco	36	41	0.1	-	0.2	1.2
	Blackpool ...	c	c	34	42	-	-	1.1	2.4
	Morecambe ...	cbc	bcc	35	41	-	-	1.2	2.0
9	Ilkley... ...	rsoro	os.	30	38	2	2	0.0	3.6
10	Berwick-on-T.	o	o	33	40	2	-	0.0	4.5
11	Dunbar ...	crn.	cp.c	33	40	2	0.3	0.0	5.9
12	Douglas ...	xcbq	crscb	35	41	1	0.5	2.3	1.8

† 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 the wind. Number of feathers indicate Beaufort force. Calm. - ⊙
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. ▲ 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. 18th Feb. 1931.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England ▲ 6. South Wales ▲ 7. North Wales ▲ 8. N.W. England ▲ 9. N. Midlands 10. N.E. England	Moderate to strong northeast winds, stronger in coastal areas, but tending to decrease; mainly cloudy, wintry showers, brighter periods later; cold or rather cold; night frost.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Winds mainly northeast, light to moderate; mainly fair; cold or rather cold; night frost.
13. A. W. Scotld. B. N.W. Scotland.	Moderate to fresh westerly winds; cloudy or variable sky, mainly fair, possibly showers later: temperature rising somewhat.
14. Mid-Scotland	
15. N.E. Scotland	As 11 - 13A.
16. Orkneys and Shetlands.	As 13B.
17. N.W. Ireland ▲ 18. N.E. Ireland ▲ 19. S.E. Ireland ▲ 20. S.W. Ireland ▲	Moderate to strong northeast winds; wintry showers, bright periods; cold or rather cold; night frost.

GENERAL INFERENCE.

A belt of high pressure stretches from the Azores to Scandinavia and there is a deep depression north of Iceland with associated secondaries northward of Scotland. Cold northeast winds will continue except in Northern Scotland where winds will become westerly. Wintry showers will occur in England and Ireland, elsewhere weather will be mainly fair with some increase in temperature.

FURTHER OUTLOOK.

Mainly fair in the South with frost at night; uncertain in the North.

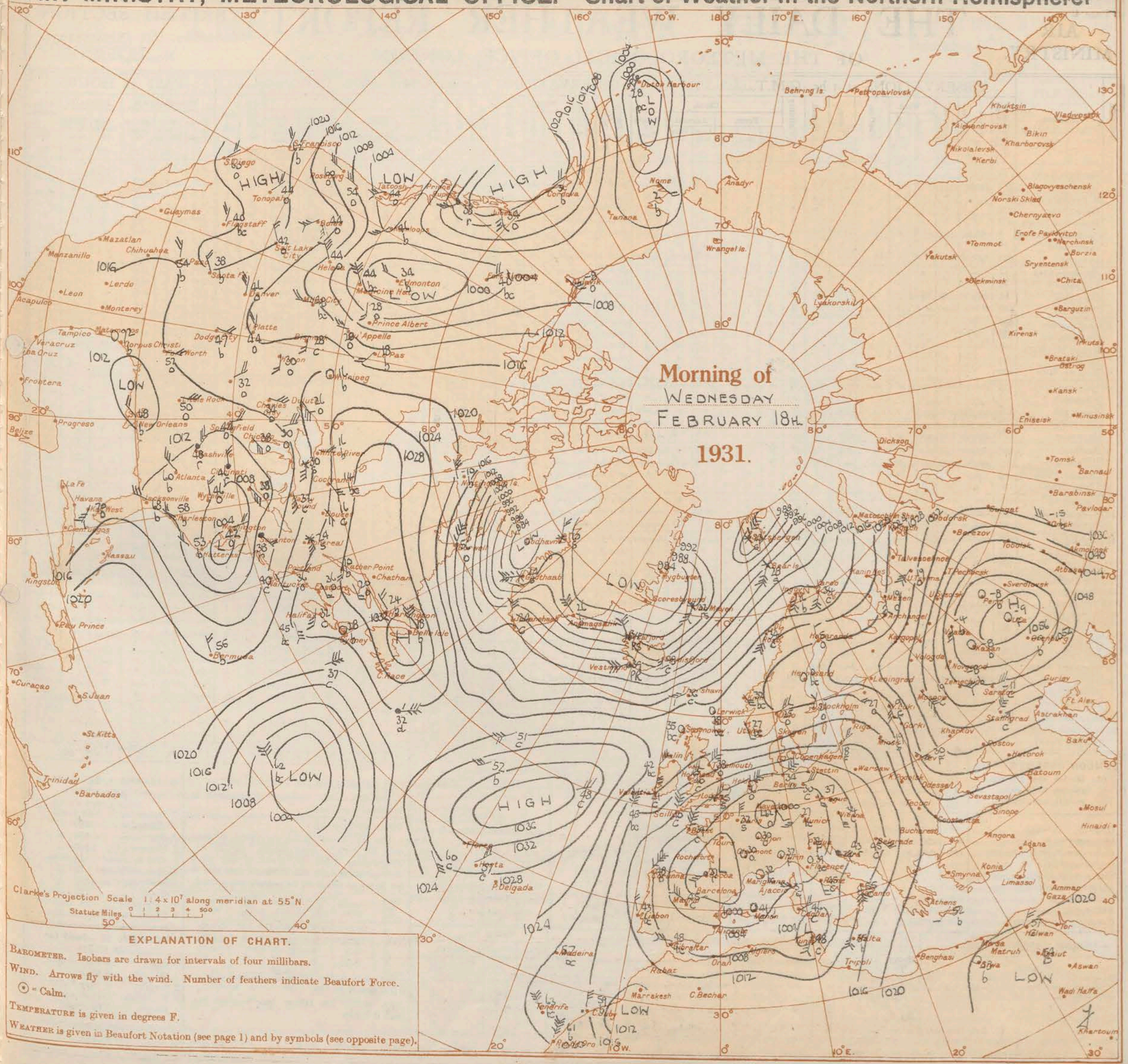
Time of issue of Gale Warning.
▲ North Cone at 0925 on 17th in 5, 6, 7, 8, 17, 18, 19 and 20.

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 Pa. 2459/2189 m. 26 D.6024 & 308 28080 2/31

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).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 18th. February 1931.

No. 25,290

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)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1006.1	+32	N'E	3	z	35	95	5	5	-	-	7-8	7-8	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1005.2	+26	N'E	5	bc	35	85	6	5	-	-	4-6	4-6	2500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1004.0	+22	NNE	3	bc/s	33	85	6	5	-	-	4-6	4-6	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1005.5	+16	NE'N	5	b	39	85	7	-	-	-	0	0	-
	Cranwell ...	240	1010.2	+24	N'E	5	ps	33	95	6	6	-	-	9+	9+	800
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	1004.7	+24	NNE	5	bc	36	85	7	4	4	-	4-6	4-6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1007.8	+16	N'E	7	c	39	65	8	5	-	-	10	10	4000
	Scilly (St. Mary's)	163	1009.4	+34	NE'N	8	c	41	75	7	8	-	-	9	9	4000
	Guernsey ...	175	1003.3	+20	NNE	4 (3)	c	39	75	6	5	-	-	7-8	7-8	2500
6	Pembroke ...	142	1012.4	+20	N	5	g	38	75	7	8	2	-	7-8	10	2500
7	Holyhead ...	26	1015.1	+18	NE'N	7	pr₀	40	75	7	8	-	-	4-6	4-6	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1009.0	+6	NE	6	psh	36	85	7	6	2	-	7-8	10	4000
	Tynemouth ...	67	1014.8	+10	NE	3	o/r	38	95	7	6	-	-	10	10	1500
11	Inchkeith ...	190	1017.9	+6	NNW	4	bc	37	85	8	7	-	-	2-3	2-3	4000
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1022.3	+10	N	1	bc	35	95	7	4	-	-	2-3	2-3	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1020.5	+2	NW	3	bc	36	95	8	5	-	8	2-3	2-3	2500
16	Lerwick ...	54	1019.6	+16	-	0	bc	39	85	8	5	1	-	2-3	4-6	1500
17	Blacksod Point	18	1022.5	+20	NE	4	bc	40	95	7	8	-	-	4-6	4-6	1500
18	Malin Head ...	52	1020.1	+10	NNE	4	b	42	95	8	1	-	-	Tr.	Tr.	4000
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1020.2	+20	NW'N	4	bc	41	95	8	4	-	-	4-6	4-6	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 18th. February — PAST 24 HOURS

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 17th Hrs. (36)
1	London (Kew)...	1008.8	+14	N'E	4	c	36	85	6	7	3	-	Tr.	10	1500	1	*	39	34	29	0.4	-	1.0
	Croydon ...	1008.3	+14	N'E	3 (4)	is₀	35	85	5	5	-	-	10 (9+)	10 (9+)	800	1	*	39	33	29	0.6	0.1	2.0
	S. Farnborough	1008.4	+12	N	3	c	35	85	6	5	-	-	10 (9+)	10 (9+)	1500	1	*	36	31	26	1	Tr.	0.4
	Winchester ...	1009.0	+10	NNE	4	c	34	85	8	5	-	-	9	9 (9+)	800	6	*	35	32	29	2	-	0.0
	Boscombe Down	~~999.8~~ 1009.8	+10	NE	4	c	34	95	8	6	3-	3-	9+	~~10~~ 9+	1500	7	*	34	32	32	6	2	*
	Calshot, (S'thmtn)	1007.8	+12	N'E	5	bc	35	85	6	5	-	-	4-6	4-6	1500	5	2	37	33	28	3	-	0.2
	Dungeness ...	*	*	NE	5	c	*	*	7	3	-	*	7-8	7-8	2500	*	3	42	34	*	Tr.	2	*
	Lympne ...	1006.3	+14	NNE	4	z	35	95	5	5	-	-	9+	9+	450	3	*	40	32	28	0.1	2	6.5
2	Shoeburyness	1007.8	+20	NE'N	5	prs₀	35	95	8	9	-	-	9+	9+	2500	1	*	42	30	26	-	1	5.9
	Felixstowe ...	1007.8	+20	N	4	c	35	95	7	5	1	-	9	10	2500	1	2	40	32	30	-	1	6.5
	Gorleston ...	1008.4	+14	NE'N	5	c	39	95	6	9	-	-	10	10	1500	1	4	39	35	30	-	0.1	1.6
	Cranwell ...	1012.4	+18	N	4	c/s	33	95	6	6	2	-	7-8	10	800	6	*	36	32	31	7	1	0.0
3	Cardington ...	1010.3	+12	NNE	3	c	34	95	6	5	2	-	9	10	800	7	*	38	32	30	1	3	0.3
	Birmingham ...	1013.0	+12	N	4	is₀	32	95	5	6	2	-	9	10	800	7	*	36	34 (31)	31	2	1	0.0
	Upper Heyford	1011.1	+16	NE	4	o	32	95	7	5	-	-	10	10	800	6	*	34	32	31	4	3	*
	Leafield ...	1010.6	+14	N'E	5	c	32	95	4 (7)	5	-	-	9+	9+	1200 (1500)	7	*	33	31	31	4	1	0.0
4	Ross-on-Wye ...	1012.5	+10	N'E	4	c	34	85	7	5	-	-	10	10	2500	1	*	38	33	32	2	0.6	0.0
5	Portland Bill....	1008.0	+18	NNE	5	c	35	85	7	4	4	-	4-6	7-8	2500	1	4	40	35	*	1	-	*
	Plymouth ...	1010.7	+18	NNE	5	ir₀	35	75	7	6	-	-	7-8	7-8	1500	1	2	44	35	32	Tr.	Tr.	3.4
	Falmouth ...	1011.1	+8	N'E	7	bc	37	75	8	5	-	-	4-6	4-6	4000	0	4	42	34	*	9	-	1.4
	Scilly (St. Mary's)	1011.7	+10	NE'N	8	c	40	65	8	8	-	-	7-8	7-8	4000	0	5	43	39	*	5	0.2	3.4
	Guernsey ...	1005.8	+14	NNE	4	o	39	75	7	5	-	-	10	10	1500	1	4	40	36	33	7	1	0.7
6	Pembroke ...	1013.5	+4	N	3	ir	36	95	7	9	2	-	7-8	10	1500	1	2	43	35	*	2	Tr.	1.2
7	Holyhead ...	1016.6	+14	NE	6	u	40	95	7	8	-	-	7-8	7-8	1500	1	3	48	39	36	0.2	Tr.	0.2
	Chester (Sealand)	1016.0	+16	N	3	z	36	85	6	5	-	-	10	10	4000	1	*	41	35	33	Tr.	-	0.0
8	L'pool (Bidston)	1016.0	+10	N	3	c	35	85	8	5	-	-	9+	9+	2500	1	*	40	35	32	-	0.1	0.2
9	Harrogate ...	1015.6	+10	N	2	c	33	95	7	6	2	-	9	10	2500	6	*	36	32	30	2	0.6	0.0
10	Spurn Head ...	1010.9	+4	NE'E	6	c	38	85	7	3	2	-	4-6	10	4000	1	6	39	34	*	3	2	0.0
	Tynemouth ...	1017.1	+14	NE	5	o	38	75	7	6	-	-	10	10	1500	1	5	40	37	32	1	1	*
11	Inchkeith ...	1019.8	+14	E	3	c	38	85	8	5	-	-	9+	9+	5700	0	1	40	35	33	3	0.6	0.2
	Leuchars ...	1020.7	+20	NE	2	c	39	95	7	5	-	-	9	9	1500	1	*	42	36	33 (30)	1	0.5	1.3
12	Renfrew ...	1021.1	+16	NNW	2	c	37	75	7	5	-	-	9+	9+	4000	4	*	41	33	23	0.2	-	0.8
	Eskdalemuir ...	1019.7	+20	NE	4	c	33	85	7	5	-	-	9	9	1500	6	*	35	32	29	3	1	1.0
13A	Tiree	1022.3	+6	N'E	3	bc	40	85	9	7	-	8	1	2-3	4000	0	3	43	37	32	Tr.	0.1	4.6
13B	Stornoway ...	1022.3	+2	-	0	bc	35	95	7	4	-	-	2-3	2-3	4000	5	1	43	34	*	0.4	-	3.6
15	Dalwhinnie ...	1021.4	+6	NNE	1	c	32	95	8	4	6	-	4-6	7-8	2500	9	*	35	30	26	0.1	-	0.1
	Aberdeen ...	1021.7	+16	E'N	3	c	38	75	7	7	-	-	9	9	2500	1	2	41	35	31	0.5	4	1.0
	Wick	1021.4	+4	WNW	2	bc	32	95	8	5	1	8	2-3	4-6	2500	5	2	41	32	*	0.6	-	*
16	Lerwick ...	1020.7	+2	-	0	bc	36	95	7	5	-	-	2-3	2-3	1500	4	*	42	36	*	-	-	4.9
17	Blacksod Point	1022.4	+4	NE	4	bc	42	85	7	8	-	-	4-6	4-6	1500	0	4	44	39	*	1	0.4	*
18	Malin Head ...	1021.9	+8	NNE	3	b	41	85	8	1	-	9	1	1	4000	0	2	43	40	*	Tr.	-	1.9
	Aldergrove ...	1021.2	+6	N'E	1	b	31	95	7	5	-	-	Tr.	Tr.	4000	4	*	43	30	25	Tr.	Tr.	1.4
	Donaghadee ...	1019.8	+12	NE	5	g	41	75	7	5	-	-	7-8	7-8	1500	0	2	43	39	*	-	-	*
19	Birr Castle ...	1020.2	+4	N	1	b	33	95	8	..	4	-	0	1	-	1	*	43	33	27	Tr.	-	4.2
20	Valentia Obsy.†	1020.6	+12	NNE	3	c	41	85	8	8	-	-	7-8	7-8	2500	1	*	44	38	36	1	4	5.1
	Roches Point...	1018.7	+14	N	4	bc	39	85	8	5	-	-	2-3	2-3	1500	0	3	44	35	*	-	-	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h. (To-day)
Kew ...	18	omssom₀	om₀bcz	bczm₀x	39	34	29	0.4	-	1.0	•	•	5
Croydon ...	217	zcossms₀	bcm₀bcf	bffmssm	39	33	29	0.6	0.1	2.0	•	•	4
Greenwich (Royal Observatory) ...	149	oss₀m	cs₀bc	cbxcsm	40	33	27			1.8	69	90	4
City (Bunhill Row) ...	—	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	40	31	29	0.6		0.2	71	89	•
Regents Pk. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	•	1.0	•	•	•
Camden Square ...	110	osf	fc	•	38	33	28	0.3	0.5	•	•	92	•
Kensington Palace ...	80	orsbc	bc	•	38	34	27	0.6	0.2	•	At 18h. 85	86	•
Hampstead Observatory ...	450	offcbc	bcx	•	37	29	23	0.5	0.1	0.7	•	90	•

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
1.2	4h.17m	0.3	1h-6h. 18m.

Kew Observatory. Max.	Time.	Min.	Time.
0.5	~~1h-6h~~ 15h. 17m	0.1	3h. 18m

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.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris ...	994.3	N	1	ir	37	1003.0	N	2	c	34	39	34	3	0.3
Brussels ...	998.2	ENE	2	o	36	1002.0	N	3	ss	32	37	30	0.1	2
Berlin ...	994.7	E	3	c	34	1004.8	E	3	c	30	39	28	-	-
Zürich ...	1002.0					1003.2	SW	1	z	28		27		4
Roma ...						1005.0	SSE	2	c	45		36		8

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

Objects not visible at

0 Dense fog 55 yards.
1 Thick fog 220 „
2 Fog 550 „
3 Moderate fog 1,100 „
4 Mist or haze 1¼ miles.
5 Poor visibility 2½ „
6 Moderate „ 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.

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 19th February 1931.

No. 25291

OBSERVATIONS at 13h. G.M.T. 18th 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)	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)...	1010.0	-4	NE	4	c	~~40~~ 39	65	6	5	2	-	9+	10	1500
	Croydon ...	1009.6	-2	N'E	4	m	39	75	4	5	1	-	7.8	10	1500
	S. Farnborough	1009.5	-4	N	4	c	41	65	7	5	-	-	9+	9+	1500
	Winchester ...	1010.5	0	N'E	4	c	39	75	7	5	-	-	9	9	1500
	Boscombe Down	1011.7	+4	N	4	c	36	85	7	5	-	-	9+	9+	1500
	Calshot, S'thmtn	1010.2	+6	N'E	5	c	40	75	6	5	2	-	7.8	10	2500
	Dungeness ...	*	*	N	3	c	*	*	7	8	2	-	9+	10	1500
	Lympne ...	1006.3	-10	N'E	6	rs	35	95	6	6	-	-	10	10	800
2	Shoeburyness	1008.4	0	NE'N	5	c	38	85	8	5	2	-	4.6	10	4000
	Felixstowe ...	1008.6	0	N'E	5	c/r	37	85	7	5	2	-	9	10	1500
	Gorleston ...	1008.6	+2	NNE	6	o	38	85	6	6	-	-	10	10	1500
	Cranwell ...	1013.9	+4	NNE	5	c	37	85	6	5	2	-	7.8	10	1500
3	Cardington ...	1011.6	+6	NNE	5	c/pr	38	75	7	5	2	-	7.8	10	800
	Birmingham ...	1013.6	+4	NNE	4	m	38	75	4	6	4	-	4.6	7.8	1500
	Upper Heyford	1012.4	0	NNE	4	z	37	85	6	5	2	-	7.8	10	1500
	Leafield ...	1012.3	(+6)	N	5	c	35	85	7	8	-	-	7.8	7.8	4000
4	Ross-on-Wye ...	1013.9	+4	N	4	c	39	75	6	1	-	-	7.8	7.8	4000
5	Portland Bill...	1010.1	0	NNE	5	c	40	65	7	4	8	-	4.6	7.8	2500
	Plymouth ...	1012.5	+2	NE'N	5	bc	40	55	8	7	-	-	4.6	4.6	2500
	Falmouth ...	1014.2	+4	NNE	6	c	40	55	8	4	-	-	7.8	7.8	4000
	Scilly (St. Mary's)	1014.0	+12	NE	6	c	41	75	7	8	-	-	9	9	4000
	Guernsey ...	1009.2	+10	NNE	4	c	41	75	6	5	-	-	7.8	7.8	2500
6	Pembroke ...	1015.6	0	NE	4	bc	40	75	8	8	-	-	4.6	4.6	2500
7	Holyhead ...	1018.2	+2	NE	6	c	40	75	8	5	-	-	9+	9+	2500
	Chester (Sealand)	1017.4	-2	N	3	o/s	39	75	5	5	-	-	10	10	1500
8	L'pool (Bidston)	1017.5	0	N	4	o	38	75	7	5	-	-	10	10	2500
9	Harrogate ...	1017.1	+10	N	3	ph	36	85	7	6	2	-	9	10	2500
10	Spurn Head ...	1013.2	+4	NE	6	c	39	75	7	4	2	-	4.6	10	4000
	Tynemouth ...	1019.1	+6	NE	3	ph(r)	36	95	6	6	-	-	10	10	1500
11	Inchkeith ...	1021.7	0	ENE	3	bc	42	75	8	-	3	-	0	4.6	-
	Leuchars ...	1021.6	-4	NE	3	bc	41	65	8	7	3	-	4.6	4.6	4000
12	Renfrew ...	1022.3	+6	NE	2	c	40	65	7	7	-	-	9+	9+	4000
	Eskdalemuir ...	1020.6	-6	NE'E	4	iso	34	75	8	5	-	-	10	10	2500
13A	Tiree ...	1021.7	-14	SSE	2	bc	46	65	9	-	4	2	0	4.6	-
13B	Stornoway ...	1019.8	-10	SE	2	c	44	75	8	1	7	4	2.3	7.8	4000
15	Dalwhinnie ...	1022.8	-6	NNE	1	bc	37	75	8	4	6	-	4.6	4.6	2500
	Aberdeen ...	1022.0	-8	SE	2	bc	41	55	8	5	-	4	2.3	2.3	4000
	Wick ...	1020.7	-10	SW	2	bc	42	95	8	7	6	8	4.6	4.6	2500
16	Lerwick ...	1018.8	-16	SW	2	c	43	75	7	5	7	1	4.6	7.8	1500
17	Blacksod Point	1022.3	-4	-	0	bc	46	75	9	7	5	-	2.3	4.6	1500
18	Malin Head ...	1021.4	-6	E	2	bc	43	95	8	1	4	1	2.3	2.3	4000
	Aldergrove ...	1021.2	-10	NE'N	3	bc	43	65	8	7	-	8	4.6	4.6	2500
	Donaghadee ...	1021.0	+2	NE	4	c	41	65	8	5	2	-	4.6	7.8	2500
19	Birr Castle ...	1021.1	-6	NE	2	bc	44	65	8	1	-	-	2.3	2.3	4000
20	Valentia Obsy.	1022.2	-6	NE	4	bc	44	75	8	1	-	-	2.3	2.3	2500
	Roches Point...	1019.9	+2	N	3	bc jp	44	75	8	3	-	-	2.3	2.3	2500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)	Weather 7h.–13h. 18th (37)	Weather 13h.–18h. 18th (38)	Weather 18h. 18th to 1h. 19th (39)	Weather 1h.–7h. 19th (40)
London (Kew)	1009.4	-6	N	4	iro	36	85	5	6	2	-	9	10	800	1	*	cmrscmo	cirומo	osc	cscm[illegible]
Croydon	1009.1	-2	N	5	rs	36	85	4	6	-	-	10	10	450	1	*	cs ossem	cmorsrsq	omqrsrsdm	odddbom
S. Farnborough	1009.5	-4	N	4	o/s	36	85	6	6	-	-	10	10	1500	1	*	cxrsssmo	cpso	omoossm	ossrsrsm
Winchester	1010.2	+2	N'E	5	c	36	75	7	5	2	-	9	10	2500	1	*	cbecis o	cprsoc	ciso	ciso
Boscombe Down	1011.7	+2	N	4	c	35	85	7	5	-	-	10	10	1500	6	*	c	c	cerosoc	cmo
Calshot, S'thmtn	1009.5	-4	N	6	q	38	75	7	8	-	-	10	10	2500	0	3	bexcisq	cmoq	cairsqmo	ocmo
Dungeness	*	*	NNW	5	rs	*	*	6	8	-	*	10	10	1500	*	3	o	r	*	o
Lympne	1004.3	-10	N	7	ss	33	95	3	6	-	-	10	10	220	7	*	oosrso	osst	ossfomo	obcmo
Shoeburyness	1006.3	0	N	5	rs	35	95	7	6	-	-	10	10	1500	1	*	cprsc	cilsorsrs	oprs	cbcbx
Felixstowe	1007.2	-2	N	4	rs	34	95	6	6	-	-	10	10	800	1	3	cro	crrorsrs	orsrsmo	obc
Gorleston	1007.4	0	NNE	6	rr	38	85	6	6	-	-	10	10	800	1	4	coiroq	orsorsoq	orroq	ocbcq
Cranwell	1013.3	0	N'E	5	c	35	85	6	5	-	-	10	10	1500	1	*	ciso prs	cprsho	*	cirom ocors
Cardington	1010.9	-4	N'E	5	rso	35	85	7	6	2	-	7.8	10	800	1	*	bcmocpro	cprirso	cis	croscmo
Birmingham	1014.1	+2	N	4	c	36	75	6	5	-	-	10	10	2500	1	*	oisc	cpso	c	co
Upper Heyford	1012.4	6	NNE	5	c	35	75	7	5	-	-	10	10	800	6	*	ocmo	c	como	oproso
Leafield	1012.0	-4	N	5	c	34	85	7	5	-	-	10	10	2500	6	*	c	c	cso o	oso
Ross-on-Wye	1013.9	+4	N'E	3	c	37	75	6	5	-	-	10	10	2500	1	*	coprso c	c	como	o
Portland Bill	1010.1	0	N'E	5	c	39	65	7	4	7	-	4.6	7.8	2500	0	3	c	c	c	c
Plymouth	1013.5	+6	NNW	3	bc	39	75	6	7	3	-	2.3	4.6	4000	1	1	cbbcy	bbczo	bczb	bbc
Falmouth	1015.2	+8	N'E	4	bc	39	75	7	5	-	-	4.6	4.6	4000	0	3	bcq	cbcq	bccq	c
Scilly (St. Mary's)	1015.4	+8	NNE	5	c	41	75	7	2	-	-	7.8	7.8	4000	0	4	c	c	c	c
Guernsey	1009.8	+2	NNE	4	o	41	75	5	5	-	-	10	10	1500	1	4	ophro	opho	oorr	orro
Pembroke	1016.4	+8	NE	3	c	38	85	7	9	-	-	7.8	7.8	1500	1	2	crobc	bcc	bcc	c
Holyhead	1018.0	+4	NE'N	5	bc	40	85	7	5	-	-	4.6	4.6	2500	1	3	prophbc	cbc	bcc	c
Chester (Sealand)	1017.2	+4	N	3	z	38	75	5	5	2	-	7.8	10	2500	0	*	os mo	cmo	cmo	cmo
L'pool (Bidston)	1017.0	0	N	3	o	37	85	7	5	-	-	10	10	1500	0	*	psoo	o	occ	cbcc
Harrogate	1016.5	0	N	3	c	34	95	7	6	2	-	9	10	2500	1	*	cpho	ciro	c	c
Spurn Head	1012.1	-2	NE	6	c	36	85	6	4	2	-	7.8	10	4000	0	6	cpro	bc	coros	ciro
Tynemouth	1018.1	0	NE	3	o/phr	38	85	7	6	-	-	10	10	1500	1	4	oprh	oprho	o	o
Inchkeith	1020.8	-4	NE	2	c	37	85	8	5	2	-	4.6	7.8	1500	0	1	cbc	bc	bcc	bcc
Leuchars	1020.3	-4	ENE	2	c	35	75	8	5	-	-	7.8	7.8	4000	1	*	cbc	bcyc	c	c
Renfrew	1020.7	-6	ENE	1	c	38	65	6	5	-	-	9+	9+	4000	1	*	cxc	ccmo	cbcmo	bccmo
Eskdalemuir	1019.9	-2	NE	2	c	33	85	8	5	-	-	10	10	1500	6	*	cbccis o	cpshc	c	cbcc
Tiree	1019.1	-18	SSW	2	c	35	95	9	4	7	8	2.3	9+	4000	0	2	bcv	vbcc	co	oDrDr
Stornoway	1016.0	-20	SW	4	c	40	85	8	7	7	-	4.6	9+	4000	1	1	bc	bcc	crropr	oror
Dalwhinnie	1020.2	-10	S	2	bc	28	85	8	-	4	-	0	2.3	-	9	*	cbcc	cbc	bcc	cok[illegible]
Aberdeen	1020.2	-10	-	0	b	36	65	6	5	-	-	Tr.	Tr.	4000	1	2	cbc	bc	bbcz	bcc
Wick	1018.0	-10	WSW	2	bc	38	95	8	7	6	9	2.3	4.6	2500	0	3	bc	bc	bcc	crrq
Lerwick	1015.6	-16	SW	2	c	41	85	7	5	7	-	4.6	7.8	1500	1	*	bcc	bccido	cidobcc	cororo
Blacksod Point	1020.5	-10	W	1	c	43	85	9	-	5	-	0	7.8	-	0	1	c	c	c	dd
Malin Head	1020.1	-8	SSE	1	c	40	95	8	5	-	9	2.3	7.8	4000	0	1	bbce	bcce	cbcxc	cidmo
Aldergrove	1021.1	+2	ENE	1	bc	32	85	7	-	-	5	0	2.3	-	1	*	bcbbc	bcbx	bbcx	bccso
Donaghadee	1020.5	-2	ENE	3	bc	39	65	8	7	-	9	4.6	4.6	4000	0	2	c	cbc	bbcc	c
Birr Castle	1020.6	0	N	1	bc	38	75	7	-	5	1	0	2.3	-	0	*	bbc	bc	bcb	bxcoro
Valentia Obsy.	1021.2	+2	N	2	c	41	85	8	1	3	2	1	9	2500	1	2	bcpobc	bcc	bbc	bccod
Roches Point	~~1021.0~~ 1020.1	+4	N'E	3	bc	42	65	8	5	-	-	4.6	4.6	1500	0	3	bc	bc	bcb	bbcc

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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

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.

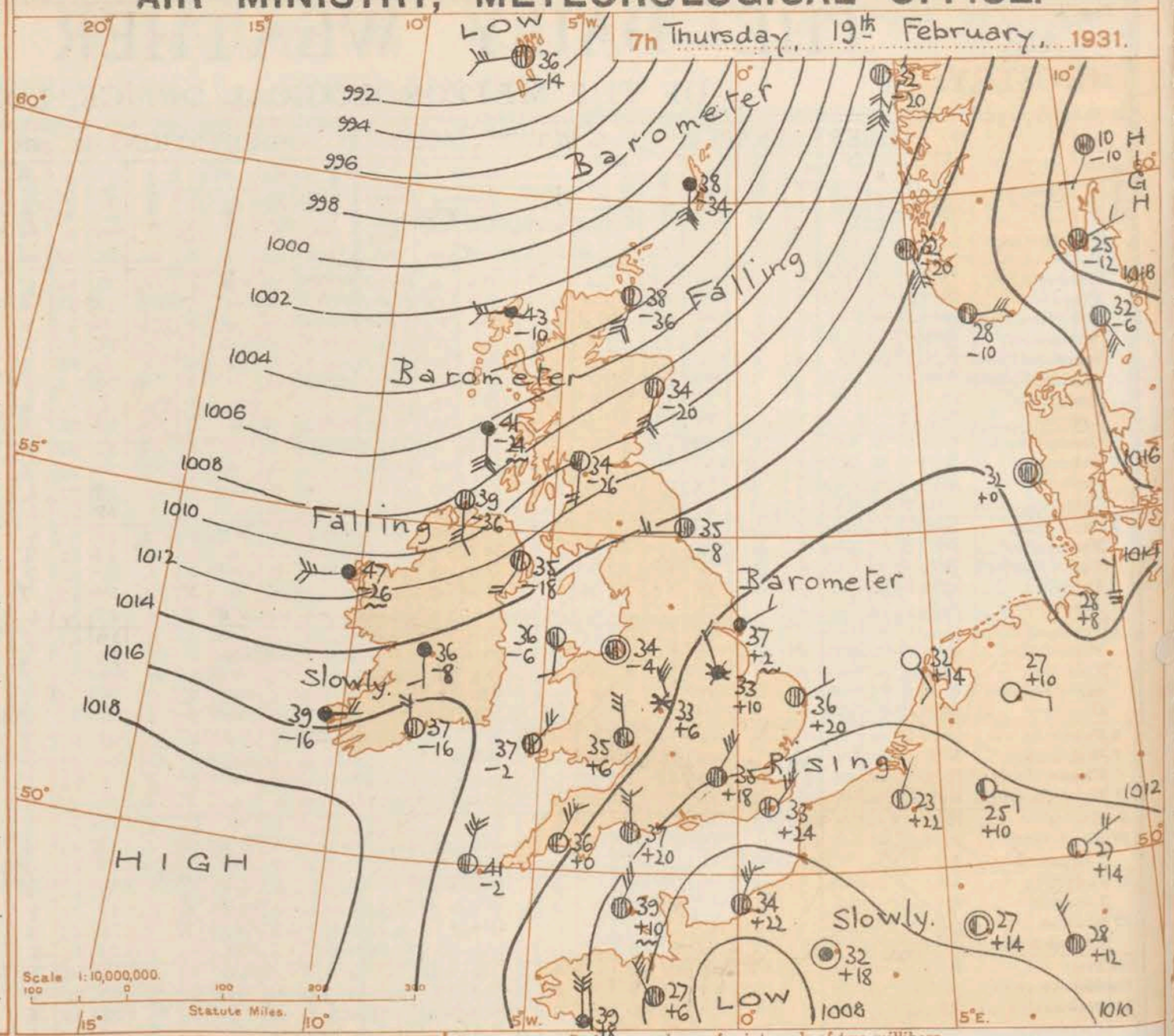
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 18th February 1931.

District	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.	o	opso	32	38	1	1	0.0	2.2
	Bournemouth	b	bcoo	32	42	-	-	5.6	0.0
	Ventnor ...	xcz	cpov	32	40	-	Trace	1.7	0.0
	Southsea ...	bbc	co	33	41	-	-	1.6	0.3
	Bognor Regis	obcco	oco	33	41	-	-	0.1	1.1
	Littlehampton	os.o	or.	32	40	Trace	0.1	0.0	1.7
	Worthing ...	s.d.	od.	33	41	1	0.3	0.0	2.2
	Brighton ...	odoc	cdo	33	40	1	0.7	0.0	3.6
	Eastbourne†	osr.o	or.rsrs	33	39	1	1	0.0	6.8
	Hastings† ...	osro	ors	33	37	2	3	0.0	7.2
	Folkestone	orm.	ors	35	37	2	8	0.0	7.2
	Dover...	ohsr	ors	35	39	1	9	0.0	6.8
	Deal	or.	r	34	39	Trace	4	0.0	6.4
	Ramsgate ...	cd	dr	36	40	1	5	0.0	6.7
	Margate ...	crs	crs	36	40	1	5	0.0	6.3
2	Southend ...	om	orsm	35	39	1	1	0.0	4.7
	Maldon ...	rsco	ors	33	39	0.3	0.3	0.0	4.3
	Clacton-on-Sea	co	oprs	32	39	4	1	0.0	7.0
	Dovercourt ...	rsoc	rsoc	33	40	1	3	0.0	6.4
	Lowestoft ...	oc	opror	32	37	1	1	0.0	4.0
	Skegness ...	om.c	c	32	40	3	-	0.2	0.0
	Mablethorpe	coirm.	oirm.	35	40	3	Trace	0.5	0.0
	Cleethorpes ...	o	r.o	32	40	0.3	Trace	0.0	0.0
3	Leamington S.	psoc	og	33	40	2	0.2	0.7	0.0
4	Cheltenham†	os.ir	co	33	39	4	1	0.6	0.0
5	Bath	cbc	cbc	34	40	4	-	1.9	0.0
	Weymouth ...	b	b	32	42	Trace	-	7.4	0.5
	Jersey ...	rsrc	cbcc	38	41	11	2	1.3	1.5
	Torquay ...	.bc	cbccm	35	41	0.2	-	2.2	0.9
	Penzance ...	bcq	ebc	39	44	0.2	-	5.1	3.0
	St. Ives ...	c	c	39	41	-	-	2.7	0.0
	Bude	cbcrs	bcc	39	?	0.4	Trace	3.5	1.7
	Ilfracombe ...	cbc	bcc	38	42	-	-	2.0	0.0
6	Aberystwyth	c	c	36	39	-	-	2.3	0.1
7	Llandudno ...	c	c	37	40	1	-	0.8	0.0
	Colwyn Bay...	o	obcco	36	40	0.5	-	0.5	0.0
	Rhyl	s.c	c	37	40	0.5	-	0.1	0.0
8	Wallasey ...	psc	c	34	40	Trace	-	0.0	0.3
	Southport‖ ...	op s.c	co	35	40	0.5	-	0.2	0.2
	Blackpool ...	oc	c	35	41	0.2	-	1.2	1.1
	Morecambe ...	spcbc	bccb	35	38	0.5	-	0.5	1.2
9	Ilkley... ...	ops.	ors.o	33	37	Trace	Trace	0.0	0.0
10	Berwick-on-T.	o	o	34	39	8	-	0.0	0.0
11	Dunbar ...	bc	c	35	39	2	-	3.0	0.0
12	Douglas ...	wbbc	bccb	35	41	Trace	-	6.2	2.3

† 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 the wind. Number of feathers indicate Beaufort force. Calm. = ⊙
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. ▲ 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. 19th Feb. 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Northerly to variable winds, light to moderate, mainly fair and rather cold today with frost at night and local mist or fog, milder tomorrow with perhaps some drizzle or light rain.
4. W. Midlands 5. S.W. England 6. South Wales	Moderate northerly winds becoming from a westerly direction cloudy or variable sky, probably some light rain or drizzle later; somewhat colder.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Freshening southwest to west winds, cloudy, some rain or drizzle, perhaps sleet or snow on high ground; somewhat milder.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands. 17. N.W. Ireland 18. N.E. Ireland	Southwest to west winds moderate to strong, stronger at times in coastal areas, sloudy, occasional rain or drizzle, perhaps sleet or snow on high ground, showers tomorrow; somewhat milder.
19. S.E. Ireland 20. S.W. Ireland	Wind variable, becoming westerly and freshening, some rain or drizzle, showers tomorrow; somewhat milder. pcb

GENERAL INFERENCE.

Secondaries associated with a large low pressure area in the far north are crossing Ireland and Scotland while a depression over France is filling up. Occasional rain or drizzle will occur in the north with a somewhat higher temperature than of late but in the south today weather will remain rather cold with a cloudy or variable sky and perhaps wintry showers in Eastern England.

FURTHER OUTLOOK.

Unsettled: changeable temperature in the north, milder than of late in the south.

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 No. 2499/2/N9. m. 26 D 6026 & 308 28280 2/31

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).

Page 4.
AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Thursday, 19th February 1931.
No. 25291

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)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1009.7	+4	N'E	4	dd	35	95	5	6	—	—	10	10	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1009.9	+2	N	5	o	37	85	7	5	—	—	10	10	1500
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1007.3	+10	NE'N	4	z	34	95	5	5	—	—	10	10	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1011.0	+20	NE'E	4	o	37	95	6	6	—	—	10	10	1500
	Cranwell	240	1013.0	-2	N	4	·	35	95	·	·	·	·	·	·	·
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1010.5	-10	N	5	c	38	75	7	4	—	—	10	10	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1015.5	+2	N	4	c	39	65	7	5	2	—	4-6	10	4000
	Scilly (St. Mary's)	163	1016.1	0	NNE	4	c	41	75	8	5	—	—	9+	9+	4000
	Guernsey	175	1010.9	-10	N	4	rr	38	85	6	6	—	—	10	10	1500
6	Pembroke	142	1016.3	-2	NE	3	c	38	85	7	8	—	—	10	10	2500
7	Holyhead	26	1016.7	-8	NE	3	c	39	75	7	5	—	—	9+	9+	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1011.9	0	NE	4	r₀s₀	37	95	7	6	—	—	10	10	4000
	Tynemouth	67	1016.2	-14	NE	3	o	36	85	7	6	—	—	10	10	1500
11	Inchkeith	190	1017.4	-14	SW	2	c	34	85	6	5	1	—	4-6	10	1500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1007.2	-34	SSW	6	o/pr	42	85	7	6	—	—	10	10	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1010.5	-36	SSW	4	c	38	85	8	8	7	—	4-6	7-8	1500
16	Lerwick	54	1008.2	-36	~~SSW~~ S'W	5	c	39	65	7	5	2	—	4-6	9+	1500
17	Blacksod Point	18	1016.1	-20	W	3	c	44	85	6	—	2	—	0	10	—
18	Malin Head	52	1015.0	-28	S	4	c	36	95	7	5	—	—	10	10	4000
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1020.1	-10	W	2	o	40	95	8	5	—	—	10	10	4000
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 19TH FEBRUARY — PAST 24 HOURS

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)	Temp. Max. Day 7h-18h °F. (31)	Temp. Min. Night 18h-7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 18th Hrs. (36)
1	London (Kew)	1012.9	+24	NNE	2	u	36	85	5	5	2	—	7-8	10	1500	1	*	~~39~~ 40	34	33	1	1	0.3
	Croydon	1012.3	+18	NNE	3	z	35	95	5	5	—	—	10	10	800	1	*	39	35	31	0.1	1	0.0
	S. Farnborough	1011.9	+20	N'E	3	c	35	95	6	5	—	—	10	10	4000	1	*	41	33	32	Tr.	1	0.2
	Winchester	1012.3	+10	N'E	3	c	35	95	7	5	—	—	10	10	1500	1	*	40	33	32	Tr.	0.4	2.2
	Boscombe Down	1012.8	+10	N'E	4	c	34	95	6	5	2	—	9	10	800	6	*	37	33	33	—	0.1	*
	Calshot, (S'thmtn)	1011.7	+14	N	4	c	36	85	6	5	—	—	9+	9+	1500	1	1	41	35	33	Tr.	0.2	3.7
	Dungeness	*	*	NNE	5	c	*	*	7	8	—	*	9+	9*	2500	*	3	40	32	*	4	2	*
	Lympne	1010.9	+24	NE'N	3	bc	33	95	6	1	—	—	2-3	2-3	1500	5	*	36	32	30	6	4	0.0
2	Shoeburyness	1012.2	+30	NE	2	b	33	95	6	—	—	—	0	0	—	1	*	40	31	27	2	2	0.1
	Felixstowe	1012.9	+20	NE	2	bc	35	85	7	5	—	—	2-3	2-3	1500	1	1	39	33	29	3	1	0.0
	Gorleston	1012.8	+20	ENE	1	c	36	85	6	4	—	—	7-8	7-8	2500	0	2	39	35	33	1	2	0.0
	Cranwell	1014.0	+10	NNW	2	r₀s₀	33	95	4	6	—	—	10	10	450	1	*	38	33	32	0.1	1	0.2
3	Cardington	1013.1	+16	N'E	2	z	33	95	5	5	—	—	10	10	1500	1	*	41	33	31	0.1	1	2.7
	Birmingham	1014.9		NNW	3	ps	33	85	6	6	—	—	10	10	1500	1	*	38	33	32	0.3	Tr.	0.7
	Upper Heyford	1013.9	+30	N'E	3	prs	34	95	6	6	—	—	10	10	450	6	*	37	33	32	—	1	*
	Leafield	1013.2	+12	N	4	o	33	95	6	5	—	—	10	10	1500	6	*	(35)	32	32	—	Tr.	2.1
4	Ross-on-Wye	1014.5	+6	N	3	o	35	75	6	5	—	—	10	10	2500	1	*	40	35	34	0.1	—	1.1
5	Portland Bill	1012.2	+20	N'W	4	c	37	75	7	4	—	—	10	10	2500	0	3	42	36	*	—	—	*
	Plymouth	1014.3	0	NNE	4	bc	36	65	7	7	—	—	2-3	2-3	4000	1	1	42	36	32	—	—	6.7
	Falmouth	1015.2	+22	N	4	c	39	65	8	5	—	—	10	10	4000	0	2	41	38	*	—	—	4.6
	Scilly (St. Mary's)	1015.4	-2	N'E	5	c	41	75	7	5	—	—	9+	9+	4000	0	3	42	40	*	—	—	3.9
	Guernsey	1010.8	+10	NNE	3	o	39	75	7	5	—	—	10	10	1500	1	4	41	38	35	0.1	1	0.4
6	Pembroke	1014.8	-2	NE	2	c	37	85	7	4	—	—	9	9	2500	0	1	42	35	*	1	—	7.0
7	Holyhead	1015.1	-6	S	1	c	36	85	8	5	3	—	~~2-3~~ 9+	9+	2500	1	0	41	35	31	0.6	—	5.6
	Chester (Sealand)	1015.5	-4	—	0	c	34	85	6	5	—	—	9+	9+	4000	0	*	39	34	31	Tr.	—	0.0
8	L'pool (Bidston)	1015.1	0	NW'N	2	c	35	75	7	5	—	—	9	9	1500	0	*	38	34	30	Tr.	—	0.0
9	Harrogate	1015.0	0	W	1	c	33	85	7	6	2	—	9	10	4000	1	*	36	33	30	0.2	—	0.0
10	Spurn Head	1013.5	+2	NE'E	1	ir₀	37	95	7	6	2	—	7-8	10	4000	1	5	39	35	*	0.3	1	0.0
	Tynemouth	1014.3	-8	W	2	o	35	85	6	6	—	—	10	10	1500	0	2	39	35	32	1	—	*
11	Inchkeith	1012.4	-22	SW	3	c	34	75	8	5	2	—	2-3	9+	1500	0	1	44	32	30	—	—	6.9
	Leuchars	1011.8	-20	SW	3	ps	33	85	7	5	2	—	4-6	10	1500	4	*	42	29	26	—	Tr.	6.8
12	Renfrew	1012.0	-26	S	2	c	34	75	6	5	2	—	9	10	2500	4	*	41	30	22	—	—	0.9
	Eskdalemuir	1014.0	-14	WSW	3	c	30	75	8	5	—	—	10	10	2500	0		35	28	25	0.1	~~0.2~~	1.5
13A	Tiree	1006.4	-24	S'W	6	Dr	41	95	5	6	—	—	10	10	1500	1	4	46	35	30	—	5	8.1
13B	Stornoway	1002.2	-10	W	4	r₀r₀	43	95	7	6	—	—	10	10	4000	(2)	3	44	39	*	—	3	6.5
15	Dalwhinnie	1008.8	-14	S	6	c	32	85	7	5	—	—	9	9	1500	9		39	25	19	—	-~~2~~	2.6
	Aberdeen	1008.9	-20	SSW	5	c	34	75	6	-	7	—	0	10	—	4	2	41	32	24	—	—	4.8
	Wick	1002.8	-36	SSW	5	c	38	95	8	8	7	—	4-6	9	1500	1	3	42	36	*	—	2	*
16	Lerwick	1000.5	-34	S'W	8	r₀r₀	38	95	6	6	—	—	10	10	1500	1		44	37	*	Tr.	0.5	6.3
17	Blacksod Point	1011.1	-26	W	5	DD	47	95	7	6	—	—	10	10	<150	1	4	46	37	*	—	2	*
18	Malin Head	1008.1	-36	S	4	c/d	39	95	6	6	2	—	7-8	10	1500	1	2	45	34	*	—	1	8.1
	Aldergrove	1013.0	-24	S'E	3	is₀	34	85	6	5	—	—	10	10	800	4	*	43	27	19	Tr.	Tr.	7.2
	Donaghadee	1012.8	-18	WSW	2	c	35	85	7	5	—	—	7-8	7-8	1500	0	1	42	31	*	—	—	*
19	Birr Castle	1014.6	-8	S	1	r₀r₀	36	95	7	5	—	—	10	10	2500	1	*	44	28	20	—	Tr.	6.9
20	Valentia Obsy.†	1016.0	-16	E	2	d	39	95	6	5	—	—	10	10	450	1	*	45	33	29	Tr.	0.2	8.2
	Roches Point	1016.4	-16	N	2	c	37	95	8	5	—	—	9	9	2500	0	2	45	34	*	—	—	

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temp. Day Max. °F.	Temp. Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h. (To-day)
Kew	18	cm₀rs₀fm	cir₀m₀	oscmw	39	34	33	1	1	0.3	·	·	5
Croydon	217	cs₀osscm	cmorsrsq	cmqrsdu	39	35	31	0.1	1	0.0	·	·	3
Greenwich (Royal Observatory)	149	c	crs	crsdm	40	35	31	Tr.	1	0.0	75	86	4
City (Bunhill Row)	—	·	·	·	·	·	·	·	·	0.0			·
Westminster (St. James' Park)	27	·	·	·	41	35	32	2.5		0.0	75	87	·
Regents Pk. (Botanic Gardens)	168	·	·	·	·	·	·	·	·	0.0	·		·
Camden Square	110	osc	cors	·	39	35	32	1	1	·	·	93	·
Kensington Palace	80	orfco	odr	·	40	35	32	0.7	2	·	At 18h.	85	·
Hampstead Observatory	450	osbco	os	·	38	30	28	1	1	0.4	·	86	·

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre. 24 hrs. ended 7h. G.M.T. 19th.

	Max.	Time.	Min.	Time.
South Kensington	0.8	10h. 18th.	<0.3	0h.-4h. 19th.
Kew Observatory	0.2	9h. 18th.	<0.1	0h. 19th.

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.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1003.5	SW	2	r₀r₀	36	1009.1	—	0	m	36	39	34	2	2
Brussels	1002.8	E	2	o/s	30						32		8	
Berlin	1010.6	E	4	o/d	34	1013.3	—	0	of	34	39	30	0.2	—
Zürich	1007.1	SE	1	c	31	1009.6	E	1	z	28	43	25	—	—
Rome	1007.1	SE	4	tlr	45	1009.0	W	8	ir₀	55	55	·	8	

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at
0 Dense fog 55 yards.
1 Thick fog 220 „
2 Fog 550 „
3 Moderate fog 1,100 „
4 Mist or haze 1¼ miles.
5 Poor visibility 2½ „
6 Moderate „ 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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 20th February 1931.

No. 25292.

OBSERVATIONS at 13h. G.M.T. 19th 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)	1015.0	+2	ENE	2	m	42	65	4	7	-	-	7.8	7.8	2500
	Croydon	1014.6	+4	ENE	2	3	41	75	5	2	-	-	4.6	4.6	2500
	S. Farnborough	1014.3	+10	NE	2	m	42	75	4	2	-	-	1	1	2500
	Winchester	1014.6	+10	NE	2	3	42	65	6	1	-	-	4.6	4.6	2500
	Boscombe Down	1015.0	+10	N	3	3	39	75	6	2	-	-	4.6	4.6	2500
	Calshot, S'thmtn	1014.8	+14	ENE	3	c	43	65	6	8	-	-	7.8	7.8	2500
	Dungeness	*	*	ENE	4	3	*	*	6	-	1	-	0	2.3	-
	Lympne	1013.8	+6	NE	3	3	41	75	6	1	-	-	Tr.	Tr.	2500
2	Shoeburyness	1015.2	+6	NNE	2	b	44	75	8	-	7	-	0	1	-
	Felixstowe	1015.3	+6	ENE	2	3	43	85	6	1	-	-	1	1	4000
	Gorleston	1015.0	+4	-	0	bc	46	95	6	-	-	4	2.0	0.2	-
	Cranwell	1015.1	+2	SWW	2	3	41	75	6	7	-	6	4.6	9+	2500
3	Cardington	1014.9	0	-	0	bc	43	65	6	4	-	8	4.6	4.6	2500
	Birmingham	1015.1	+2	·	0	cf	36	85	3	5	-	-	9+	9+	1500
	Upper Heyford	1015.8	+6	NNE	2	3	39	75	6	8	-	-	7.8	7.8	2500
	Leafield	1015.1	(+6)	NNW	2	bc	37	75	7	-	3	9	0	4.6	-
4	Ross-on-Wye	1015.5	+6	NE	1	3	40	75	5	5	-	7	4.6	10	2500
5	Portland Bill	1014.2	+16	N	4	bc	42	65	7	4	7	-	4.6	4.6	2500
	Plymouth	1015.7	+6	NE	1	c	41	65	8	7	3	5	4.6	9	2500
	Falmouth	1017.1	+6	N'E	4	c	40	65	8	7	3	-	4.6	9	4000
	Scilly (St. Mary's)	1016.9	+8	N	3	c	44	75	7	7	7	-	7.8	9	4000
	Guernsey	1013.9	+18	NNE	3	0	41	65	7	5	-	-	10	10	2500
6	Pembroke	1015.6	0	ESE	2	c	40	85	7	5	7	-	4.6	9+	2500
7	Holyhead	1014.1	-6	SSW	4	c	41	85	8	5	2	-	2.3	10	4000
	Chester (Sealand)	1015.3	-6	S'E	1	3	39	75	6	5	-	-	10	10	7200
8	L'pool (Bidston)	1014.7	0	SWS	2	c	39	65	7	5	7	-	4.6	10	2500
9	Harrogate	1014.4	0	S'W	2	c	35	75	5	6	2	-	9	10	4000
10	Spurn Head	1013.7	0	W'S	2	c	42	75	6	5	1	1	2.3	9	1500
	Tynemouth	1012.1	-10	SW	2	0	37	75	6	6	-	-	10	10	1500
11	Inchkeith	1009.4	-16	SW	4	0	37	95	8	5	-	-	10	10	4000
	Leuchars	1009.3	-12	SW	3	c	37	85	7	5	2	-	7.8	10	1500
12	Renfrew	1009.2	-18	SSW	4	id₀	39	95	6	5	2	-	7.8	10	800
	Eskdalemuir	1011.8	-8	WSW	4	id₀	33	95	6	6	2	-	7.8	10	220
13A	Tiree	1007.3	+2	W'S	3	c	45	75	8	5	1	8	9	10	2500
13B	Stornoway	1003.4	+4	W	3	c	43	85	8	9	7	-	7.8	9	4000
15	Dalwhinnie	1006.9	-4	SW	4	prs	34	95	6	5	-	-	10	10	1500
	Aberdeen	1005.7	-8	SW	3	c	38	75	7	5	7	-	4.6	9+	5700
	Wick	1003.0	+8	SSW	3	c	42	95	8	9	6	-	7.8	7.8	1500
16	Lerwick	980.0	+16	S'W	3	c	45	95	6	5	2	-	4.6	10	1500
17	Blacksod Point	1011.5	0	W	1	iD	47	95	7	6	-	-	10	10	<1500
18	Malin Head	1008.4	0	WSW	2	c/d	46	95	7	6	7	-	4.6	9+	2500
	Aldergrove	1011.2	-2	S	3	o/d	37	95	5	5	-	-	10	10	800
	Donaghadee	1011.2	-8	S'W	2	id	39	95	7	5	2	-	7.8	9	800
19	Birr Castle	1012.7	-6	S	1	ir₀	42	95	7	6	-	-	10	10	2500
20	Valentia Obsy.	1014.5	-6	WE	1	0	46	95	6	5	-	-	10	10	800
	Roches Point	1015.0	-8	SW	2	c	45	95	8	5	-	-	9+	9+	1500

OBSERVATIONS at 18h. G.M.T. 19th 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)	1016.3	+8	-	0	f	38	85	3	5	-	-	10	10	<150	1	*
	Croydon	1015.6	+10	SE'E	1	bf	38	85	3	-	-	1	0	1	-	1	*
	S. Farnborough	1015.7	+12	·	0	m	35	85	4	-	-	-	0	0	-	1	*
	Winchester	1016.2	+10	W'S	1	m	35	85	4	5	-	-	4.6	4.6	2500	1	*
	Boscombe Down	1016.5	+14	NW	1	3	37	85	5	-	-	6	0	4.6	-	1	*
	Calshot, S'thmtn	1016.0	+10	SW'S	1	b	35	85	6	-	6	-	0	Tr.	-	0	0
	Dungeness	*	*	ENE	3	3	*	*	6	-	2	*	0	2.3	-	*	2
	Lympne	1015.8	+16	NE'N	2	3	36	75	6	5	-	-	Tr.	Tr.	4000	1	*
2	Shoeburyness	1016.1	+14	NNE	2	b	35	95	6	-	-	-	0	0	-	1	*
	Felixstowe	1016.1	+6	-	0	3	36	95	6	-	-	1	0	2.3	-	0	0
	Gorleston	1015.5	+10	SSE	1	bc	38	95	5	-	3	-	0	4.6	-	0	1
	Cranwell	1015.3	+6	SSW	2	c	36	85	6	-	2	-	0	10	-	1	*
3	Cardington	1015.9	+10	W	1	bc	37	85	6	4	-	-	4.6	4.6	5700	1	*
	Birmingham	1015.7	+4	SW	2	c	37	85	5	-	2	-	0	10	-	1	*
	Upper Heyford	1016.3	+6	WNW	2	3	36	85	5	-	2	-	0	10	-	1	*
	Leafield	1015.7	0	SW'W	1	0	36	85	6	5	-	-	10	10	4000	6	*
4	Ross-on-Wye	1015.5	+4	SW	2	3	37	85	5	5	1	-	4.6	9+	800	1	*
5	Portland Bill	1016.0	+14	NE	3	bc	42	75	6	5	2	-	4.6	4.6	2500	0	3
	Plymouth	1016.8	+10	ESE	1	c	41	75	8	5	-	-	9+	9+	2500	1	0
	Falmouth	1017.5	+4	-	0	c	42	65	8	5	3	7	4.6	10	4000	0	0
	Scilly (St. Mary's)	1014.7	+2	SSW	1	c	42	85	8	5	3	-	4.6	9	4000	0	1
	Guernsey	1015.2	+20	NE	1	c	41	75	7	5	-	-	7.8	7.8	2500	1	3
6	Pembroke	1014.9	-4	S	4	c	42	85	7	5	7	-	4.6	9	2500	1	2
7	Holyhead	1012.6	-4	SSW	5	c	42	95	7	5	2	-	7.8	10	1500	1	1
	Chester (Sealand)	1014.0	-4	S	2	3	39	65	6	5	2	-	4.6	10	4000	0	*
8	L'pool (Bidston)	1014.1	-4	SSE	2	0	38	75	7	5	-	-	10	10	2500	0	*
9	Harrogate	1013.2	-6	S	2	c	36	85	5	5	2	-	9	10	2500	1	*
10	Spurn Head	1014.0	0	SW'S	2	c	38	85	6	5	2	-	7.8	9	2500	0	4
	Tynemouth	1011.8	-4	SSW	2	0	38	85	6	6	-	-	10	10	1500	0	2
11	Inchkeith	1008.9	-4	SW	4	c	40	95	7	5	2	-	4.6	10	4000	0	2
	Leuchars	1007.9	-6	SW	3	0	39	95	6	5	-	-	10	10	800	1	*
12	Renfrew	1008.5	0	WSW	3	ir	41	95	6	6	-	-	10	10	1500	1	*
	Eskdalemuir	1010.0	-8	SW'W	4	d₀d₀	36	95	5	6	-	-	10	10	450	1	*
13A	Tiree	1006.1	-10	SW	3	c0/d₀	40	95	7	5	1	8	10	10	2500	1	2
13B	Stornoway	1002.1	-4	W	2	c	37	95	7	3	2	-	4.6	7.8	4000	2	2
15	Dalwhinnie	1006.3	-4	S	2	c	35	95	7	5	-	-	7.8	7.8	1500	3	*
	Aberdeen	1005.8	+2	SW	4	c	38	85	7	5	7	-	Tr.	9+	5700	1	2
	Wick	1002.7	0	SW	3	c	37	95	8	8	7	1	4.6	7.8	2500	0	2
16	Lerwick	998.4	0	W'S	2	c	38	85	7	8	1	-	4.6	7.8	1500	1	*
17	Blacksod Point	1009.5	-8	W	1	c	45	75	7	-	2	-	0	10	-	1	2
18	Malin Head	1007.4	-8	WSW	3	ir₀	44	95	7	6	2	-	7.8	9+	1500	1	1
	Aldergrove	1009.7	-10	S	3	0	40	95	5	5	-	-	10	10	800	1	*
	Donaghadee	1009.4	-6	S'W	1	c	40	95	6	5	-	-	9	9	1500	1	0
19	Birr Castle	1010.8	-6	S	1	0	46	95	7	5	-	-	10	10	2500	1	*
20	Valentia Obsy.	1012.5	-2	S'W	3	o/d	49	95	7	5	-	-	10	10	450	1	3
	Roches Point	1013.1	-6	SW	2	c	47	95	8	3	-	-	9	9	1500	1	2

PAST 24 HOURS.

Stations.	Weather 7h.–13h. 19th (37)	13h.–18h. 19th (38)	18h.–1h. 19th to 20th (39)	1h.–7h. 20th (40)
London (Kew)	bcm₀c3	bc3₀0F	bFx	bfxcm₀x
Croydon	cmffbcm₀	bcb3₀f	bfmx	b,cbcmx
S. Farnborough	cm₀bm	b3₀mf	bmfmx	bm₀xbc
Winchester	cbcm₀3₀	bc3₀bcm	bcmbm₀	bbccom₀
Boscombe Down	cm₀bm₀bc	bcm₀	bcm₀cm₀	cm₀kd₀m₀
Calshot, S'thmtn	cbcbm₀	bcm₀bm₀	bxm₀	bxbccm₀
Dungeness	b	b	*	bc
Lympne	bm₀	bbm₀	bm₀x	bm₀x
Shoeburyness	mmb	bbm₀	bm₀x	bm₀x
Felixstowe	bc3₀	b3₀	bzwx	bxm₀
Gorleston	cbcb	bbcm₀m₀	bcbm₀m₀	bbccx
Cranwell	cmm₀	c3₀	cm₀	czoid₀m₀
Cardington	cmfcbcm₀	bbcm₀w	bcm₀	bcm₀
Birmingham	cpsm	c	c	cor₀r₀
Upper Heyford	obccm₀	cbccqm₀	ocm	cor₀r₀m₀
Leafield	cbc	bcco	bcc	cod₀
Ross-on-Wye	oc	c3	cm₀	cod
Portland Bill	cbc	bc3₀	bbcco	o
Plymouth	bcc	bcc	obc	cor₀r₀m₀
Falmouth	cbcc	cbcc	cor₀	oir₀m₀r
Scilly (St. Mary's)	c	c	cor	rrm₀
Guernsey	opc	oc	cocbc	bbc
Pembroke	c	c	cm₀odrr	orrq
Holyhead	cr5₀	cr₀c	dodr	r₀r₀
Chester (Sealand)	co3₀	c3₀	or₀	r₀r₀,cr₀
L'pool (Bidston)	omoc	o	oor	rrrirv
Harrogate	c	c	c	cr₀r₀
Spurn Head	bc	bc	bcc	bc
Tynemouth	om	o	o	oir₀
Inchkeith	co	oc	cir₀o	ocir₀
Leuchars	cps₀	cdm₀	c	cir₀
Renfrew	cird₀	omdrm₀	ormoc	corrmq
Eskdalemuir	cis id₀	cdo₀d₀m	od₀dm	odorrm₀
Tiree	iDrc	c	cido	crrir
Stornoway	cprh	cpr	bcoir	orrK
Dalwhinnie	cis prso	oprsc	cprso	crsrsom
Aberdeen	cs₀c3₀	c	c	c
Wick	cqc	c	c	c
Lerwick	orr,c	bcpr₀	cpr₀,bco	orr
Blacksod Point	iD	id	id	iro
Malin Head	cidm₀	c⊕	cr₀cbc	bccR
Aldergrove	os DDfdd	odm₀o	om₀	orod₀
Donaghadee	cid	cidcm₀	o	ocid₀
Birr Castle	oir₀ir₀	o	oir	oir
Valentia Obsy.	odrr₀	coid₀	do r₀	irir₀
Roches Point	coir₀c	comc	cour	oirc

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.
m, mist, " 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

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.

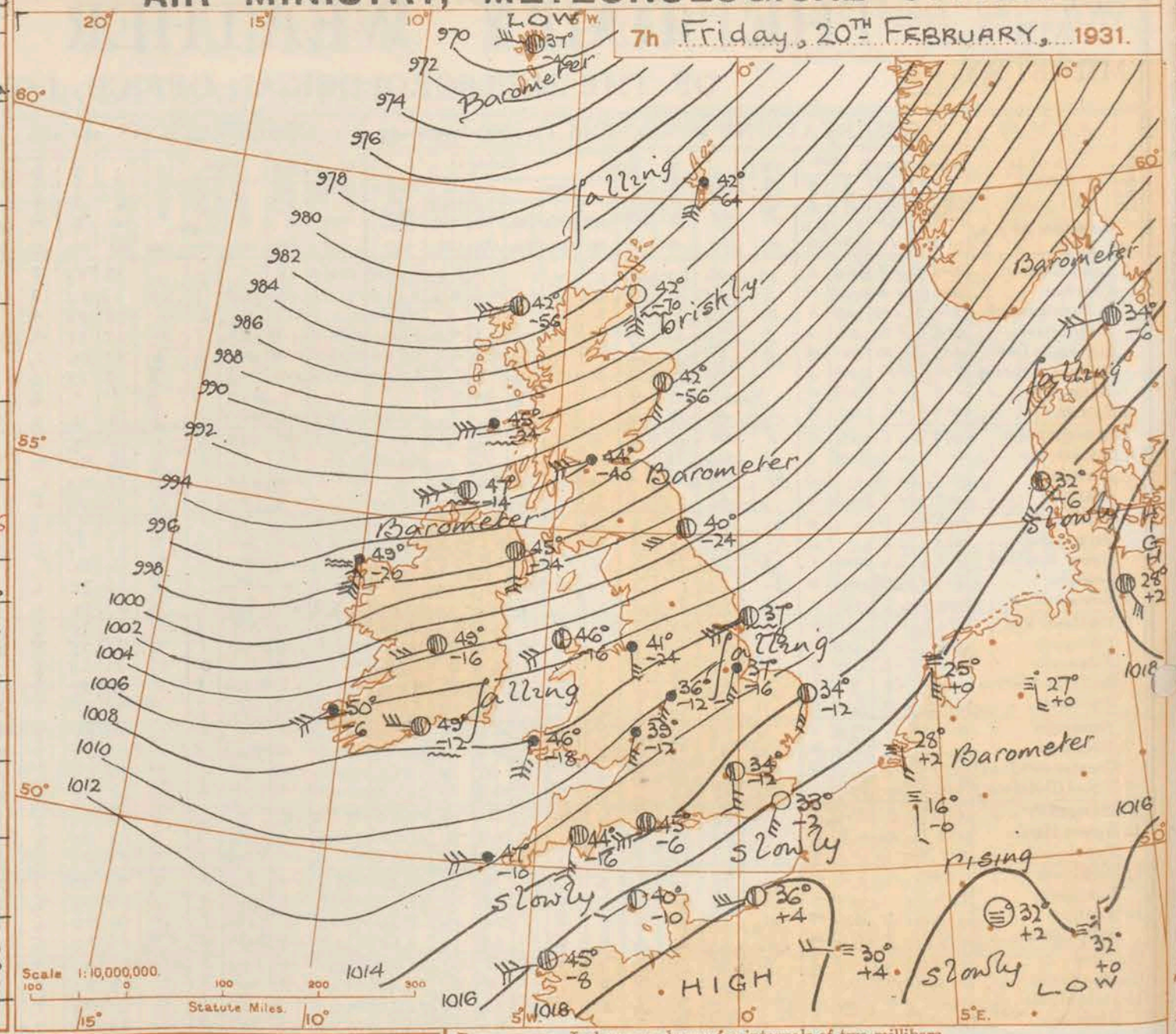
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for ....19th. February...1931.

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.	bcb	bc	33	45	3	-	5·8	0·0
	Bournemouth	b	bbcm	34	44	-	-	4·7	5·6
	Ventnor ...	rsocz	pcbcz	34	42	Trace	Trace	3·2	1·7
	Southsea ...	ocb	bcb	35	44	0·3	-	5·2	1·6
	Bognor Regis	cbcc	bcb	35	44	0·3	-	4·5	0·1
	Littlehampton	cbc	bcb	34	45	1	-	5·2	0·0
	Worthing ...	cbc	b	34	45	1	-	6·1	0·0
	Brighton ...	cbc	bbc	35	45	1	-	5·0	0·0
	Eastbourne†	cbc	bcb	35	44	1	-	5·8	0·0
	Hastings† ...	bmbc	b	34	43	2	-	6·7 ~~7·2~~	0·0
	Folkestone ...	bcmb	b	32	46	7	-	8·2	0·0
	Dover... ...	bcb	b	34	47	6	-	8·3	0·0
	Deal	b	b	35	44	4	-	7·5	0·0
	Ramsgate ...	bcb	b	34	44	4	-	8·2	0·0
	Margate ...	bc	bc	35	44	4	-	7·7	0·0
2	Southend ...	bmbc	b	34	45	2	-	8·3	0·0
	Maldon ...	b	b	34	44	1	-	8·3	0·0
	Clacton-on-Sea	bcmz	bc	34	44	3	-	7·9	0·0
	Dovercourt ...	rbc	bc	33	45	1	-	8·3	0·0
	Lowestoft ...	bzcb	bzc	35	43	2	-	8·6	0·0
	Skegness ...	obc	bco	34	44	1	Trace	4·6	0·2
	Mablethorpe	cbcm	bccm	33	44	2	-	3·2	0·0 ~~5~~
	Cleethorpes ...	cmb	bc	36	45	1	-	2·3	0·0
3	Leamington S.	oc	og	35	42	-	-	1·4	0·7
4	Cheltenham†	omc	cmom	33	40	0·5	-	0·8	0·6
5	Bath	cbc	bbcc	36	43	Trace	-	2·9	1·9
	Weymouth ...	cb	bbc	35	45	-	-	6·0	7·4
	Jersey ...	rcbc	cbcb	37	43	5	-	4·2	1·3
	Torquay ...	czcbc	cz	36	42	-	-	2·5	2·2
	Penzance ...	c	c	40	44	-	-	0·1	5·1
	St. Ives ...	o	o	39	43	-	-	0·0	2·7
	Bude	beco	o	28	42	-	-	1·3	3·5
	Ilfracombe ...	c	c	37	42	-	-	0·1	2·0
6	Aberystwyth	c	c	34	40	-	-	0·1	2·3
7	Llandudno ...	c	c	35	41	-	-	0·0	0·8
	Colwyn Bay...	o	o	34	40	-	-	0·0	0·5
	Rhyl	c	c	34	40	-	-	0·0	0·1
8	Wallasey ...	o	o	34	40	-	-	0·0	0·0
	Southport‖ ...	o	o	33	39	-	-	0·0	0·2
	Blackpool ...	o	o	34	39	-	-	0·0	1·2
	Morecambe ...	c	c	34	39	-	-	0·0	0·5
9	Ilkley... ...	om	om	33	38	Trace	-	0·0	0·0
10	Berwick-on-T.	o	o	33	39	-	-	0·0	0·0
11	Dunbar ...	c	cp	33	41	-	Trace	0·0	3·0
12	Douglas ...	fcbc	domddd	32	40	-	1	0·0	6·2

† 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 the wind. Number of feathers indicate Beaufort force. Calm. = ⊙
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. ▲ 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. 20th Feb. 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Fresh southwest winds, veering later; dull with rain at times today; probably improving but with showers tomorrow; temperature rising decidedly
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Fresh to strong southwest winds, veering west later; cloudy with occasional rain at first; then probably improving with showers and bright intervals; coastal fog at first; mild.
8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland ▼ 12. S.W. Scotland & Isle of Man ▼	Wind southwest, veering west or northwest, strong to gale locally on coasts; dull with rain at first; improving but with showers later; rather mild to normal temperature.
13. A. W. Scotland. ▼ B. N.W. Scotland. ▼	Wind veering west or northwest, strong to a gale; variable skies; showers of rain or sleet, perhaps snow; temperature falling somewhat.
14. Mid-Scotland 15. N.E. Scotland ▼ 16. Orkneys and Shetlands. ▼	Wind southwest, veering northwest, strong to a gale; dull with rain at first; improving but with showers of rain, sleet or snow later; normal to rather low temperature.
17. N.W. Ireland ▼ 18. N.E. Ireland ▼ 19. S.E. Ireland 20. S.W. Ireland ▼	Wind southwest to west, veering, strong to gale locally; cloudy to variable skies; occasional rain or showers, with hail locally; temperature falling.

GENERAL INFERENCE.

An intense depression near the Faeroes is moving east together with an associated low pressure trough off our west coasts. Southwesterly winds, veering later, will reach gale force in the west and north. Weather will be unsettled with rain in all districts, while temperature will rise considerably over most of the country.

FURTHER OUTLOOK.

Unsettled.

Time of issue of Gale Warning.

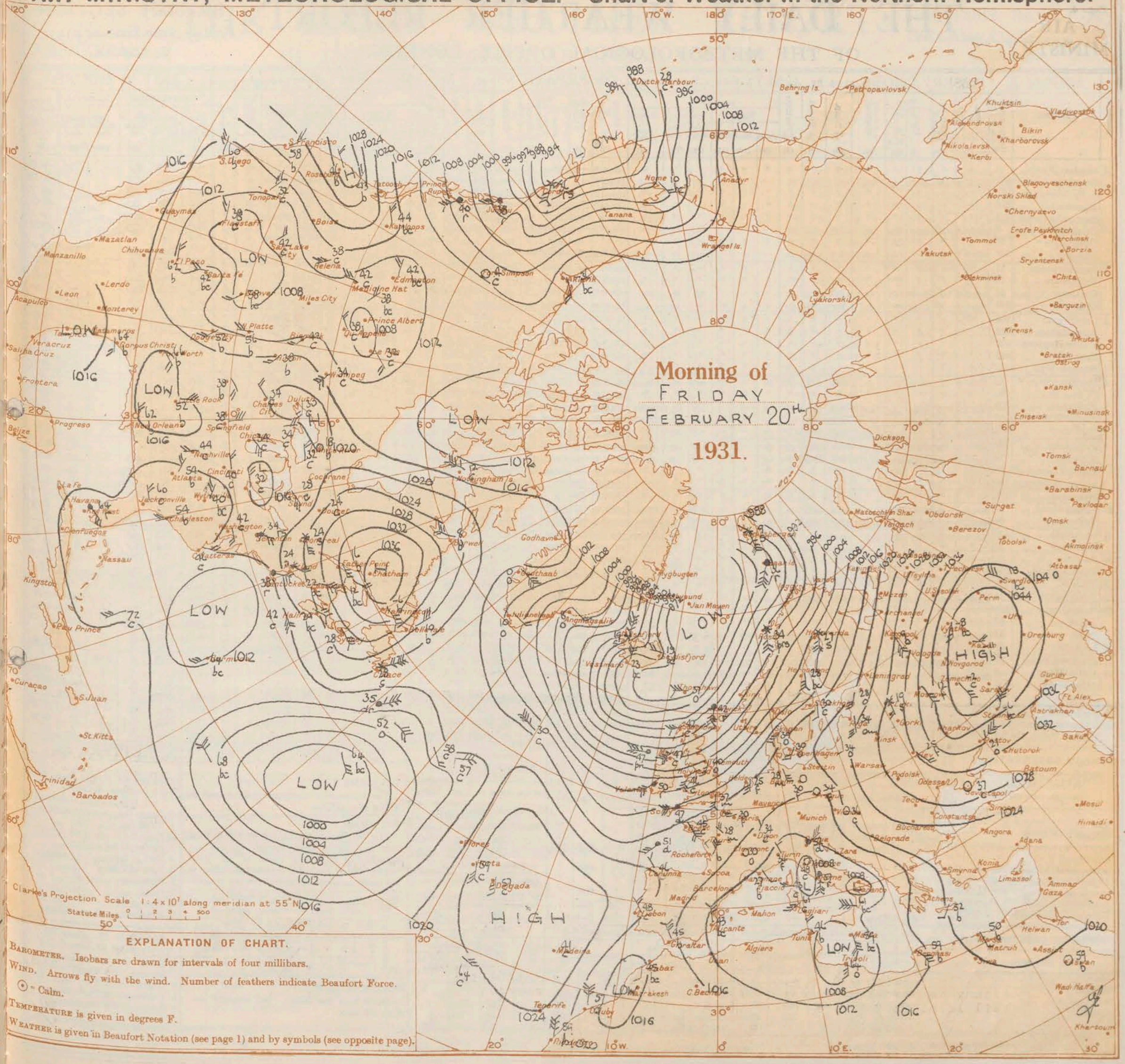
▼ South Cone at 0810 on 20th in 11, 12, 13A, 13B, 15, 16, 17, 18 and 20.

Forecasts issued at 1020 G.M.T.

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

H.M. Stationery Office Press Kingsway W.C.2 No. 2499/2/85 m. 26 D 6026 Gp 908 26280 2/31

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

Friday, 20th February 1931.

No. 25292

OBSERVATIONS at 1 hr. G.M.T. 20th 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	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1016·3	-2	S'W	3	m	31	95	4	—	—	—	0	0	—
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1017·3	+2	SSW	2	z	32	85	5	—	—	—	0	0	—
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1016·3	-6	—	0	z	34	95	5	—	—	—	0	0	—
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1016·6	-4	SSW	2	b	35	95	6	—	—	—	0	0	—
	Cranwell	240	1014·1	-10	S'W	4	c	37	75	6	*	*	*	*	10	*
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1016·4	0	SW'S	3	o	43	65	7	5	—	—	10	10	1500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1017·2	-4	SSW	4	ir	43	95	8	5	—	—	10	10	4000
	Scilly (St. Mary's)	163	1015·2	-12	SW'S	5	rr	45	95	6	6	—	—	10	10	2500
	Guernsey	175	1018·2	0	—	0	b	37	85	7	—	—	—	0	0	—
6	Pembroke	142	1011·3	-20	SSW	5	rr	44	95	6	5	—	—	10	10	800
7	Holyhead	26	1009·4	-20	SSW	6	rr	44	95	6	6	—	—	10	10	800
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1012·0	-6	SW'S	5	c	38	85	6	6	2	—	7-8	10	2500
	Tynemouth	67	1008·3	-12	SSW	2	ir	37	95	7	6	—	—	10	10	1500
11	Inchkeith	190	1004·1	-26	SW	2	o	41	95	8	5	—	—	10	10	2500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	999·4	-44	SSW	5	ir	42	85	6	6	—	—	10	10	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	997·9	-36	SW	4	c	40	95	8	5	8	—	4-6	7-8	2500
16	Lerwick	54	996·9	-22	S	3	c	41	85	7	5	2	—	2-3	10	1500
17	Blacksod Point	18	1001·9	-40	SSW	6	c	47	95	6	—	2	—	0	10	—
18	Malin Head	52	1000·5	-42	S	4	bc	43	95	7	5	—	8	2-3	4-6	1500
	Aldergrove	228	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1009·4	-26	SW	4	o/d	49	95	7	6	—	—	10	10	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	1014·3	-8	S'W	2	c	34	95	5	—	7	5	0	7-8	—	4	*
Croydon	1014·7	-12	S	4	m	34	95	4	5	5	—	2-3	4-6	1500	4	*
S. Farnborough	1014·1	-14	SSW	3	bc	35	95	6	—	7	8	0	4-6	—	1	*
Winchester	1014·3	-10	S'W	2	z	34	95	5	5	—	—	10	10	800	4	*
Boscombe Down	1014·1	-10	S'E	3	id	35	95	5	5	1	—	7-8	10	4000	1	*
Calshot, (S'thmtn)	1014·7	-14	SSW	3	c	40	85	6	—	7	—	0	9+	—	1	1
Dungeness	*	*	SW	3	bc	*	*	6	5	1	*	1	2-3	4000	*	1
Lympne	1015·6	-2	SSW	3	b	33	95	6	—	—	1	0	0	—	4	*
Shoeburyness	1015·2	-4	SSW	2	bc	30	95	6	—	—	1	0	4-6	—	4	*
Felixstowe	1015·2	-6	S'W	3	z	35	95	5	—	3	1	0	4-6	—	0	1
Gorleston	1014·0	-12	SSW	3	c	34	95	6	—	1	—	0	9	—	4	2
Cranwell	1010·0	-16	SSW	4	id	37	85	6	6	—	—	10	10	1500	1	*
Cardington	1012·4	-12	SW'S	4	c	37	85	6	5	7	8	1	7-8	7200	1	*
Birmingham	1010·7	-12	SSW	4	rr	36	95	7	6	—	—	10	10	800	1	*
Upper Heyford	1013·2	-12	SSW	3	rr	37	85	6	—	2	—	0	10	—	1	*
Leafield	1012·0	-14	S'W	4	id	35	95	6	—	2	—	0	10	—	6	*
Ross-on-Wye	1011·3	-12	SSW	3	ir	38	95	6	6	—	—	10	10	2500	1	*
Portland Bill	1013·8	-6	SW	5	o	45	75	7	5	—	—	10	10	1500	1	3
Plymouth	1013·2	-16	SSW	5	rr	44	95	6	6	—	—	10	10	1500	1	3
Falmouth	1013·0	-16	SW'S	5	rr	45	95	6	6	—	—	10	10	2500	1	3
Scilly (St. Mary's)	1011·9	-10	WSW	5	df	47	95	2	5	—	—	10	10	<150	1	2
Guernsey	1016·6	-10	SW	1	bc	40	75	7	5	—	—	4-6	4-6	4000	0	3
Pembroke	1007·7	-18	SSW	5	rr	46	95	5	3	—	—	10	10	800	1	3
Holyhead	1004·7	-16	SW'S	5	c	46	95	6	5	—	—	9+	9+	450	1	2
Chester (Sealand)	1006·2	-24	SSE	3	ir	41	95	7	6	—	—	9+	9+	1500	1	*
L'pool (Bidston)	1005·2	-20	S	4	o/r	43	95	5	6	—	—	10	10	1500	1	*
Harrogate	1005·2	-26	S	3	rr	38	95	5	6	2	—	9	10	2500	1	*
Spurn Head	1008·0	-8	SW'S	5	c	37	85	6	—	2	—	0	9	—	0	4
Tynemouth	1009·0	-24	SSW	3	o	40	85	7	6	—	—	10	10	1500	1	2
Inchkeith	993·9	-40	SW	5	c	44	75	8	5	2	—	4-6	10	1500	0	3
Leuchars	994·0	-50	SSW	6	c/r	42	85	7	6	2	—	4-6	7-8	800	1	*
Renfrew	994·6	-40	SW	5	rr	44	95	6	6	—	—	10	10	800	1	*
Eskdalemuir	998·3	-28	SW'W	6	rr	41	95	5	6	—	—	10	10	800	2	*
Tiree	988·5	-24	W'S	6	ir	45	85	7	6	2	—	4-6	10	800	1	4
Stornoway	981·1	-56	WSW	4	c	42	95	7	3	6	—	7-8	9	4000	2	*
Dalwhinnie	988·4	-52	SW	8	rs	37	95	6	5	—	—	10	10	1500	3	*
Aberdeen	991·1	-56	SSW	4	c	42	85	8	6	2	—	7-8	10	800	1	2
Wick	984·5	-70	S	6	c	42	85	8	4	1	—	4-6	9	1500	0	4
Lerwick	983·6	-64	S'W	6	rr	42	85	7	6	—	—	10	10	1500	1	*
Blacksod Point	997·5	-20	SSW	7	RR	49	95	7	6	—	—	10	10	<150	1	6
Malin Head	992·1	-14	WSW	7	c/r	47	95	7	6	—	—	9+	9+	1500	1	4
Aldergrove	997·4	-24	S'W	5	o/d	45	95	7	5	—	—	10	10	450	1	*
Donaghadee	998·0	-26	SSW	3	id	46	95	7	5	—	—	9	9	800	1	1
Birr Castle	1003·1	-16	SW	3	o/r	49	95	7	6	—	—	10	10	2500	1	*
Valentia Obsy.†	1006·8	-6	SW	5	ir	50	95	7	5	—	—	10	10	1500	1	*
Roches Point	1007·1	-12	W	3	c	49	95	8	3	—	—	9	9	1500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 19th Hrs. (36)
London (Kew)	43	30	21	-	Tr.	4·0
Croydon	45	31	27	-	—	4·9
S. Farnborough	44	28	18	-	—	5·7
Winchester	43	29	23	-	—	5·0
Boscombe Down	41	31	27	-	Tr.	*
Calshot, (S'thmtn)	43	31	23	-	—	5·9
Dungeness	44	26	*	-	—	*
Lympne	43	29	20	-	Tr.	8·7
Shoeburyness	44	28	18	-	—	7·7
Felixstowe	44	30	20	-	—	7·9
Gorleston	46	33	30	-	—	7·9
Cranwell	43	33	29	-	Tr.	2·5
Cardington	44	30	27	Tr.	—	5·4
Birmingham	38	(36) 35	32	Tr.	1	0·0
Upper Heyford	43	32	25	-	Tr.	*
Leafield	41	32	28	-	Tr.	4·5
Ross-on-Wye	40	36	33	-	0·4	0·0
Portland Bill	44	41	*	-	—	*
Plymouth	44	40	38	-	1	2·9
Falmouth	42	42	*	-	2	1·9
Scilly (St. Mary's)	44	41	*	-	4	0·0
Guernsey	43	36	26	Tr.	—	1·6
Pembroke	42	41	*	-	8	0·0
Holyhead	42	40	40	Tr.	10	0·0
Chester (Sealand)	40	37	35	-	3	0·0
L'pool (Bidston)	39	37	35	-	5	0·0
Harrogate	36	35	33	-	0·4	0·0
Spurn Head	43	35	*	Tr.	—	2·4
Tynemouth	40	37	33	-	1	*
Inchkeith	40	39	36	-	Tr.	0·0
Leuchars	39	38	37	Tr.	0·1	0·0
Renfrew	41	41	38	1	3	0·0
Eskdalemuir	36	35	35	1	13	0·0
Tiree	45	41	38	0.6	5	0·0
Stornoway	44	37	*	3	7	1·9
Dalwhinnie	38	34	32	4	2	~~0·0~~
Aberdeen	38	38	35	Tr.	—	0·0
Wick	43	36	*	-	—	*
Lerwick	44	36	*	6	4	2·5
Blacksod Point	48	43	*	0.4	3	*
Malin Head	46	41	*	1	2	0·0
Aldergrove	40	39	37	3	0·3	0·0
Donaghadee	41	39	*	1	0·5	*
Birr Castle	46	44	40	0.6	5	0·0
Valentia Obsy.†	51	45	44	3	2	0·0
Roches Point	48	46	*	2	6	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations.

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	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	bcmzc	bczof	bfbcmy	43	30	21	—	Tr.	4·0	*	*	6
Croydon	217	cmffbcm	bebzf	bfmbcm	45	31	27	—	—	4·9	*	*	5
Greenwich (Royal Observatory)	149	bbc	bebz	bmbbc	46	30	22	-	0·3	3·5	69	82	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	1·5	*	*	*
Westminster (St. James' Park)	27	*	*	*	45	33	27	—		2·4	71	80	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	1·6	*	*	*
Camden Square	110	bc	c	*	43	35	26	—	—	*	*	86	*
Kensington Palace	80	bc	bc	*	43	33	27	—	—	*	41 18h. 75	82	*
Hampstead Observatory	450	bc	bcfx	*	41	31	23	Tr.	Tr.	3·9	*	89	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington	Max.	Time.	Min.	Time.
	2·0	21h. 19th	0·6	4h.-6h. 20th

Kew Observatory	Max.	Time.	Min.	Time.
	0·9	22h 19th	0·1	6h. 20th

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.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1015·5	N	1	b	39	1017·9	NW	1	f	34	43	31	Tr.	—
Brussels	1015·0	NE	3	b	36	1017·2	SSE	1	f-	16	39	16	—	—
Berlin	1017·3	NE	1	f	34	1018·0	—	0	f	30	36	30	—	—
Zürich	1014·3	N	1	z	30	1015·0	NNW	1	of	28	31	28	—	1
Rome	1009·3	SE	9	c	57	1008·5	S	8	ir	57	61	55	—	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	1½ miles.
5	Poor visibility	2½ „
6	Moderate „	6½ „
7	Good „	12½ „
8	Very good „	31 „
9	Excellent „	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

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

† : hr observations are from Valentia W/T station

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 21st February 1931.

No. 25,293.

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)	1011.2	-22	SW	4	c	44	85	6	5	3	-	2.3	10	1500
	Croydon	1011.8	-22	SW	4	3	44	85	6	5	7	-	7.8	9+	800
	S. Farnborough	1011.0	-20	SW	4	r₀r₀	44	85	6	6	-	-	10	10	1500
	Winchester	1011.1	-18	SSW	5	c/r	43	95	6	6	2	-	9	10	800
	Boscombe Down	1011.1	-18	SSW	5	id₀	42	95	6	6	2	-	9+	10	450
	Calshot, S'thmtn	1012.5	-14	SSW	5	o/d	44	85	6	5	7	-	4.6	10	1500
	Dungeness	*	*	SW	4	c	*	*	7	5	7	-	4.6	7.8	4000
	Lympne	1012.8	-22	SW'S	5	3	42	85	6	5	-	-	9+	9+	1500
2	Shoeburyness	1011.9	-26	SSW	4	c	44	75	6	5	2	8	4.6	9+	5700
	Felixstowe	1011.9	-22	S'W	4	c	42	85	7	5	3	-	4.6	9	7200
	Gorleston	1009.3	-32	SSW	5	c	43	75	6	4	-	-	9+	9+	4000
	Cranwell	1005.9	-18	SW'S	6	c/r	43	95	6	6	2	-	7.8	10	1500
3	Cardington	1008.8	-22	SW'S	5	ir₀	44	85	6	6	—	-	10	10	2500
	Birmingham	1007.1	-10	SW	4	3	42	95	5	6	-	-	10	10	800
	Upper Heyford	1009.0	-26	S'W	5	r₀r₀	43	95	6	6	-	-	10	10	800
	Leafield	1008.5	-14	SSW	6	d₀d₀	42	95	6	6	-	-	10	10	450
4	Ross-on-Wye	1007.4	-14	SW'S	4	0	45	95	7	5	-	-	10	10	1500
5	Portland Bill	1010.8	-18	SSW	6	Dr	45	95	5	5	-	-	10	10	800
	Plymouth	1010.4	-18	SW	4	o/d	48	95	6	5	-	-	10	10	220
	Falmouth	1011.5	-6	WSW	4	c/pr	50	95	7	8	-	-	7.8	7.8	4000
	Scilly (St. Mary's)	1011.2	-4	W	4	c	50	95	7	5	-	-	7.8	7.8	4000
	Guernsey	1014.4	-10	SSW	3	o/r	44	85	6	5	-	-	10	10	1500
6	Pembroke	1006.3	-10	SW'W	5	c	48	95	6	8	-	-	9+	9+	1500
7	Holyhead	1003.1	-10	SW'S	6	bc	49	95	6	5	3	-	4.6	4.6	450
	Chester (Sealand)	1003.1	-10	SW'S	4	c	53	75	8	5	-	-	9	9	1500
8	L'pool (Bidston)	1001.5	-4	S'W	5	bc	51	75	8	8	-	-	4.6	4.6	1500
9	Harrogate (1001.5 ~~1016.5~~)		-26	S	5	c	46	85	6	6	9	-	4.6	9	4000
10	Spurn Head	1003.7	-14	SW	6	c	42	95	6	4	2	-	4.6	10	4000
	Tynemouth	996.3	-20	SW	4	bc	51	85	7	2	-	-	4.6	4.6	2500
11	Inchkeith	992.4	+12	WSW	6	r₀r₀	42	95	7	5	2	-	4.6	10	800
	Leuchars	991.5	0	WSW	7	ir₀	45	75	8	6	7	-	4.6	9+	1500
12	Renfrew	995.0	+16	W'N	4	c/r	42	85	8	6	2	0	4.6	9	1500
	Eskdalemuir	995.5	0	WNW	6	rs	41	85	6	6	-	-	10	10	450
13A	Tiree	991.3	+10	W'S	7	c	43	55	7	3	7	-	7.8	7.8	1500
13B	Stornoway	984.2	+4	WSW	6	bc	39	85	7	4	2	-	4.6	4.6	4000
15	Dalwhinnie	989.7	+20	W	5	c	35	85	7	5	-	-	7.8	7.8	1500
	Aberdeen	989.3	+6	WSW	4	c	48	65	8	5	7	-	7.8	9+	2500
	Wick	985.2	+16	SW	5	bc	40	75	8	8	8	-	4.6	4.6	2500
16	Lerwick	979.1	+20	WSW	5	c/phr	40	85	7	8	8	-	4.6	7.8	1500
17	Blacksod Point	1000.4	+18	W	8	bc	44	65	8	3	-	-	4.6	4.6	800
18	Malin Head	995.3	+16	W	7	PH(R)	39	95	7	9	-	-	7.8	7.8	1500
	Aldergrove	998.4	+22	WSW	5	ir₀	43	85	8	9	3	-	7.8	9	2500
	Donaghadee	997.7	+12	WSW	3	c	46	75	7	6	2	-	4.6	7.8	1500
19	Birr Castle	1003.3	+4	W	3	c	46	75	8	5	3	-	7.8	9	2500
20	Valentia Obsy.	1007.3	+10	W'S	5	c/pr	47	75	8	5	-	-	7.8	7.8	1500
	Roches Point	1006.0	-6	W	4	bc	53	85	8	3	-	-	4.6	4.6	1500

OBSERVATIONS at 18h. G.M.T. 20th 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)	1009.2	-6	SSW	4	c/r	43	95	6	6	2	-	9	10	800	1	*
	Croydon	1010.1	-6	SSW	4	ir₀	42	95	5	6	2	-	9	10	800	1	*
	S. Farnborough	1009.1	-8	S'W	4	d₀d₀	42	95	5	6	-	-	10	10	450	1	*
	Winchester	1009.2	-8	SW'S	4	o/d	43	95	5	5	-	-	10	10	800	1	*
	Boscombe Down	1009.0	-2	SW'S	4	of	45	95	2	5	-	-	10	10	<150	1	*
	Calshot, S'thmtn	1010.2	-10	SSW	5	o/r	49	95	6	6	-	-	10	10	800	1	3
	Dungeness	*	*	SSW	5	r₀r₀	*	*	6	5 6	-	*	9	9	800	*	4
	Lympne	1011.2	-2	SSW	4	o/r	40	95	6	6	-	-	10	10	800	1	*
2	Shoeburyness	1009.6	-6	SW	5	o	43	85	6	5	-	-	10	10	1500	1	*
	Felixstowe	1009.4	-6	S'W	5	c	42	95	7	5	2	-	7.8	10	2500	0	3
	Gorleston	1007.2	-6	SSW	4	ir₀	44	95	6	6	-	-	10	10	1500	1	3
	Cranwell	1003.4	-10	SW'S	5	c	45	95	6	5	-	-	10	10	800	1	*
3	Cardington	1006.4	-12	SW'S	5	c/d	43	95	7	5	1	-	9+	9+	800	1	*
	Birmingham	1004.9	-6	SSW	3	c	46	95	6	6	-	-	9	9	800	1	*
	Upper Heyford	1007.0	-10	SW'S	5	o/r	44	95	6	6	-	-	10	10	450	1	*
	Leafield	1006.8	-8	S'W	4	id₀	43	95	4	6	-	-	10	10	220	6	*
4	Ross-on-Wye	1005.9	-8	SW	3	id₀	48	85	6	6	-	-	9+	9+	2500	1	*
5	Portland Bill	1008.7	+2	SW'S	5	c	48	95	6	4	-	-	9+	9+	1500	1	4
	Plymouth	1009.7	-2	WSW	4	id₀	49	95	6	5	-	-	9+	9+	450	1	3
	Falmouth	1010.4	0	SW'W	4	c	50	95	7	6	8	-	4.6	9	2500	1	2
	Scilly (St. Mary's)	1011.0	+2	W	5	ir₀	49	95	6	5	-	-	9+	9+	4000	1	3
	Guernsey	1012.8	-4	SW	2	o/r	45	95	6	5	-	-	10	10	1500	2	3
6	Pembroke	1006.0	0	W	4	bc	47	85	7	8	8	-	4.6	4.6	1500	1	3
7	Holyhead	1004.1	+12	W	5	c	44	85	7	5	-	9	4.6	7.8	1500	1	3
	Chester (Sealand)	1003.1	+10	W	3	bc/r	44	95	6	5	-	1	4.6	4.6	2500	1	*
8	L'pool (Bidston)	1002.7	+6	~~SSE~~	4	c	44	85	8	6	-	-	9	9	1500	1	*
9	Harrogate	1001.3	0	SSW	2	pr₀	42	95	8	6	-	9	4.6	4.6	2500	1	*
10	Spurn Head	1001.5	-4	SW'S	5	c	43	95	6	5	2	-	7.8	10	1500	0	4
	Tynemouth	997.8	+20	WSW	4	bc	42	85	7	2	-	1	2.3	4.6	2500	1	2
11	Inchkeith	993.9	+4	WSW	6	bc	38	85	8	-	8	-	6	2.3	-	0	4
	Leuchars	993.6	+10	WSW	4	bc	38	75	8	5	-	-	2.3	2.3	2500	1	*
12	Renfrew	996.4	+8	WSW	4	bc/prh	35	95	7	8	-	-	4.6	4.6	1500	2	*
	Eskdalemuir	997.5	+10	W	5	9	37	65	8	4	-	-	7.8	7.8	1500	1	*
13A	Tiree	990.8	-4	WSW	7	c/p	40	65	7	3	-	3	9	9+	1500	1	4
13B	Stornoway	983.1	-6	WSW	6	c/ps	34	95	7	3	2	-	4.6	7.8	4000	6	4
15	Dalwhinnie	991.3	+2	W	6	c	31	95	7	8	-	-	7.8	7.8	1500	9	*
	Aberdeen	991.5	+6	SW	3	b	39	65	8	—	-	-	0	0	-	1	2
	Wick	985.4	+4	SW	5	c/ps	33	95	8	9	1	-	4.6	10	2500	6	3
16	Lerwick	979.9	-6	SW	5	bc/ph	39	65	7	8	-	-	2.3	2.3	1500	1	*
17	Blacksod Point	999.5	-6	W	8	c	42	65	8	9	-	-	9	9	220	6	7
18	Malin Head	995.4	-4	WSW	7	bc/phr	39	95	7	9	-	-	4.6	4.6	1500	0	4
	Aldergrove	1000.0	+14	SW'S	4	bc	38	75	8	8	-	-	2.3	2.3	2500	1	*
	Donaghadee	999.5	+8	SSW	3	bc	40	75	7	8	2	-	4.6	4.6	2500	0	2
19	Birr Castle	1004.0	+6	S	1	bc	42	65	8	3	-	9	1	2.3	2500	1	*
20	Valentia Obsy.	1007.1	+2	SW'W	5	pr₀	44	85	8	5	-	-	7.8	7.8	2500	1	3
	Roches Point	1007.1	+8	NW	3	bc	46	75	8	3	-	-	4.6	4.6	1500	0	3

PAST 24 HOURS.

District	Stations	Weather. 7h.–13h. 20th (37)	13h.–18h. 20th (38)	18h.–1h. 20th–21st (39)	1h.–7h. 21st (40)
1	London (Kew)	cm₀	cir₀	om₀	omcm₀r₀
	Croydon	bccm₀	cr₀r₀rm₀	cr₀d₀d₀cm	cbccm₀
	S. Farnborough	bcxcir₀or₀	or₀d₀d₀m₀	od₀c	ccr₀
	Winchester	om₀r₀r₀	od₀d₀m₀	od₀mc	ccd₀
	Boscombe Down	cid₀m₀	cid₀m₀off	offd₀d₀c	cir₀
	Calshot, S'thmtn	cidm₀	coddm₀r₀r₀	oid₀mcbcm	bccoddm
	Dungeness	bc	o	*	d
	Lympne	bccm₀	cor₀	odrf	orforf
2	Shoeburyness	bcm₀cm₀	cir₀m₀	om₀	om₀o
	Felixstowe	bc₀₀c	c	crm₀	cprm₀
	Gorleston	cq	cor₀q	oir₀bcq	om₀m₀
	Cranwell	odrrdr	cm₀	cid₀m₀c	cbcm₀
3	Cardington	bccrr₀₀fm₀	cir₀cd₀	cd₀	cm₀
	Birmingham	or₀	oir₀	cPRbc	bccpr
	Upper Heyford	ocr₀r₀	or₀	or₀r₀m₀	cbccm₀
	Leafield	od₀d₀r	oid₀	od₀rc	cbc
4	Ross-on-Wye	r₀ro	oc	dcbc	bccbc
5	Portland Bill	r	drcrz	cpr	cRcrr
	Plymouth	omdidid	ocmid₀	odbc	orrb
	Falmouth	orm₀cpr	cp₀	cr₀	ciRbcq
	Scilly (St. Mary's)	dfcbc	cp₀	corr	orcbc
	Guernsey	bcor₀	orrcr	oiro	oirr
6	Pembroke	oridm₀	cm₀p₀	bcp₀cq	cPbcq
7	Holyhead	cocm₀	pr	bc	prq
	Chester (Sealand)	qc	dcdrkqr	bcb	bbc
8	L'pool (Bidston)	cvbcv	bccp	cbcbb	bccr₀
9	Harrogate	cp₀	cbcp₀	cir₀	ciris
10	Spurn Head	cr₀r	bc	copdc	cbc
	Tynemouth	bcq	bcqp	bcb	bbc
11	Inchkeith	cr₀r₀rr	cir₀bc	ocprsbc	cprs
	Leuchars	cd₀d₀m₀q	cr₀qb	bbcsc	cpsc
12	Renfrew	orrd₀d₀m₀q	bccprq	bcPhqr	cr₀s₀s
	Eskdalemuir	orrHRs₀	cr₀qc	cbx	bxcx
13A	Tiree	cprsqbcq	bcjpcqprs	bcpchphq	phsQ
13B	Stornoway	cp*bc	cPHS	cishlq	phsrq
15	Dalwhinnie	prsc	prsisqks	ksqsc	psksbc
	Aberdeen	cr₀c	cbcb	bx	bbcx
	Wick	cir₀bc	bcpsc	bcpsq	bcpsc
16	Lerwick	orrcphr	cbcPH	bcprs	bccp
17	Blacksod Point	prqc	phqc	phsq	phsq
18	Malin Head	cbccq	cbcqphrs	bclqphrcphr	cbcphr
	Aldergrove	d₀cir₀	cir₀bcjp	bc	bccprs
	Donaghadee	cir₀c	cbc	b	bcpsbc
19	Birr Castle	or₀orc	circbc	bcpr	bcpsx
20	Valentia Obsy.	oir₀cpc	cp₀bccp₀	PHlqph	qcphpr
	Roches Point	-bc	bc	bcbw	bbcw

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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

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.

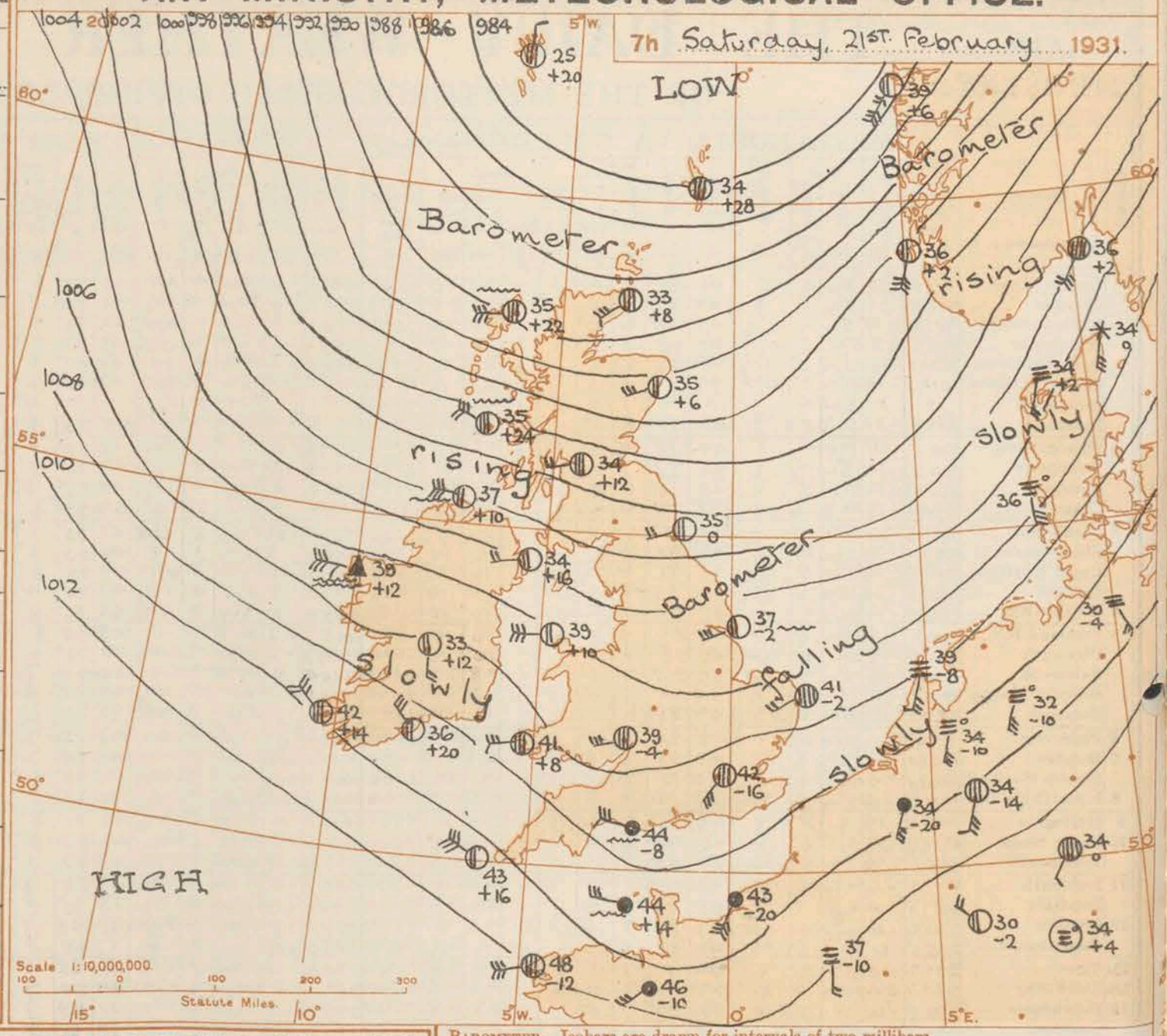
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 20th February ..... 1931.

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.	co	odo	25	43	0·3	Trace	0.8	5.8
	Bournemouth	o	d	34	46	-	1	0.0	4.7
	Ventnor ...	oz	odouf	36	44	-	1	0.0	3.2
	Southsea ...	o	oid	31	45	-	0.6	0.0	5.2
	Bognor Regis	bcco	oir	33	43	-	0.5	0·1	4.5
	Littlehampton	co	od	29	43	-	0·2	0.2	5·2
	Worthing ...	co	od.	31	45	-	Trace	0.4	6·1
	Brighton ...	bco	cdod	31	44	-	Trace	0.8	5.0
	Eastbourne†	co	or.o	30	45	-	Trace	1.6	5.8
	Hastings† ...	xbcc	co	34	44	0·2	-	1·3	6.7
	Folkestone ...	xbcc	co	32	46	-	-	2·7	8·2
	Dover... ...	bcc	co	31	45	-	-	3.7	8.3
	Deal	b	o	29	45	-	-	3·8	7·5
	Ramsgate ...	bbc	bcc	34	43	Trace	-	3·8	8·2
	Margate ...	bc	bcc	33	46	-	-	4.0	8·0
2	Southend ...	co	or.c	33	44	0·2	Trace	0.9	8·3
	Maldon ...	xc	co	28	45	-	-	0.2	8.3
	Clacton-on-Sea	bcc	c	34	42	-	-	1·9	7.9
	Dovercourt ...	xbc	oc	32	44	-	-	2·2	8·3
	Lowestoft ...	bm.c	czop	32	43	-	Trace	2·0	8.6
	Skegness ...	om	omd	36	44	Trace	Trace	0.0	4·3
	Mablethorpe	oir.m.	oir.m.	33	46	Trace	0·3	0.0	3·2
	Cleethorpes ...	r.o	c	35	46	0·3	Trace	0·1	2·3
3	Leamington S.	odg	odg	35	46	1	0.4	0.0	1.4
4	Cheltenham†	or.ro	oi p.o	35	48	1	2	0.0	0·8
5	Bath	cir	cird.	36	49	0·3	1	0.0	2.9
	Weymouth ...	cr.r.	r.cd	34	48	Trace	4	0.0	6·0
	Jersey ...	c	cd	35	44	-	1	0.0	4·3
	Torquay ...	orm	ordmc	37	51	2	0·5	0·1	2·5
	Penzance ...	cb	bcc	41	55	9	-	2·3	0·1
	St. Ives ...	r.dbc	o	40	52	6	0·5	2·5	0.0
	Bude	od	od	37	49	4	1	0.0	1·3
	Ilfracombe ...	ro	oc	38	50	4	2	0·1	0·1
6	Aberystwyth	cir	cir	35	48	4	1	1·6	0·1
7	Llandudno ...	c	cbcrc	36	53	Trace	1	1·8	0.0
	Colwyn Bay...	bcc	orbc	36	56	0·3	1	1·6	0.0
	Rhyl	cbc	bccr	36	53	1	1	4·2	0·0
8	Wallasey ...	cbcb	bccr	35	54	5	2	2·4	0.0
	Southport‖ ...	oco	ocoro	36	50	7	2	0·1	0·0
	Blackpool ...	oro	orc	35	49	11	1	0.0	0.0
	Morecambe ...	rrocr	rpcdc	34	49	15	1	0.0	0.0
9	Ilkley... ...	opo	odd	33	48	Trace	1	0.0	0.0
10	Berwick-on-T.	cbc	PRc	33	51	-	0.5	2·2	0.0
11	Dunbar ...	bc	bbc	36	50	-	0.5	1·9	0.0
12	Douglas ...	pm.ir	ircb	35	48	11	3	0·3	0.0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with the wind. Number of feathers indicate Beaufort force. Calm. = ⊙
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. ▲ 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. 21st Feb., 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Light or moderate southwest winds, veering west or northwest and freshening somewhat; bright periods, local showers; becoming colder.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind west to northwest, moderate to fresh, stronger on coasts; bright periods, wintry showers; rather cold.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland	Wind west to northwest, fresh or strong; bright periods, wintry showers, occasional snow on high ground; cold.
15. N.E. Scotland 16. Orkneys and Shetlands.	Wind between west and north; moderate to fresh or strong; bright periods, snow showers; cold.
17. N.W. Ireland 18. N.E. Ireland	As 12 - 14.
19. S.E. Ireland 20. S.W. Ireland	As 4 - 11

GENERAL INFERENCE.

A deep depression is situated near Jan Mayn and pressure is rising temporarily over the British Isles. Winds will be from between west and north, strong and squally in the north and northwest. There will be bright intervals with wintry showers in all districts and snow on high ground in Scotland. Temperature will fall.

FURTHER OUTLOOK.

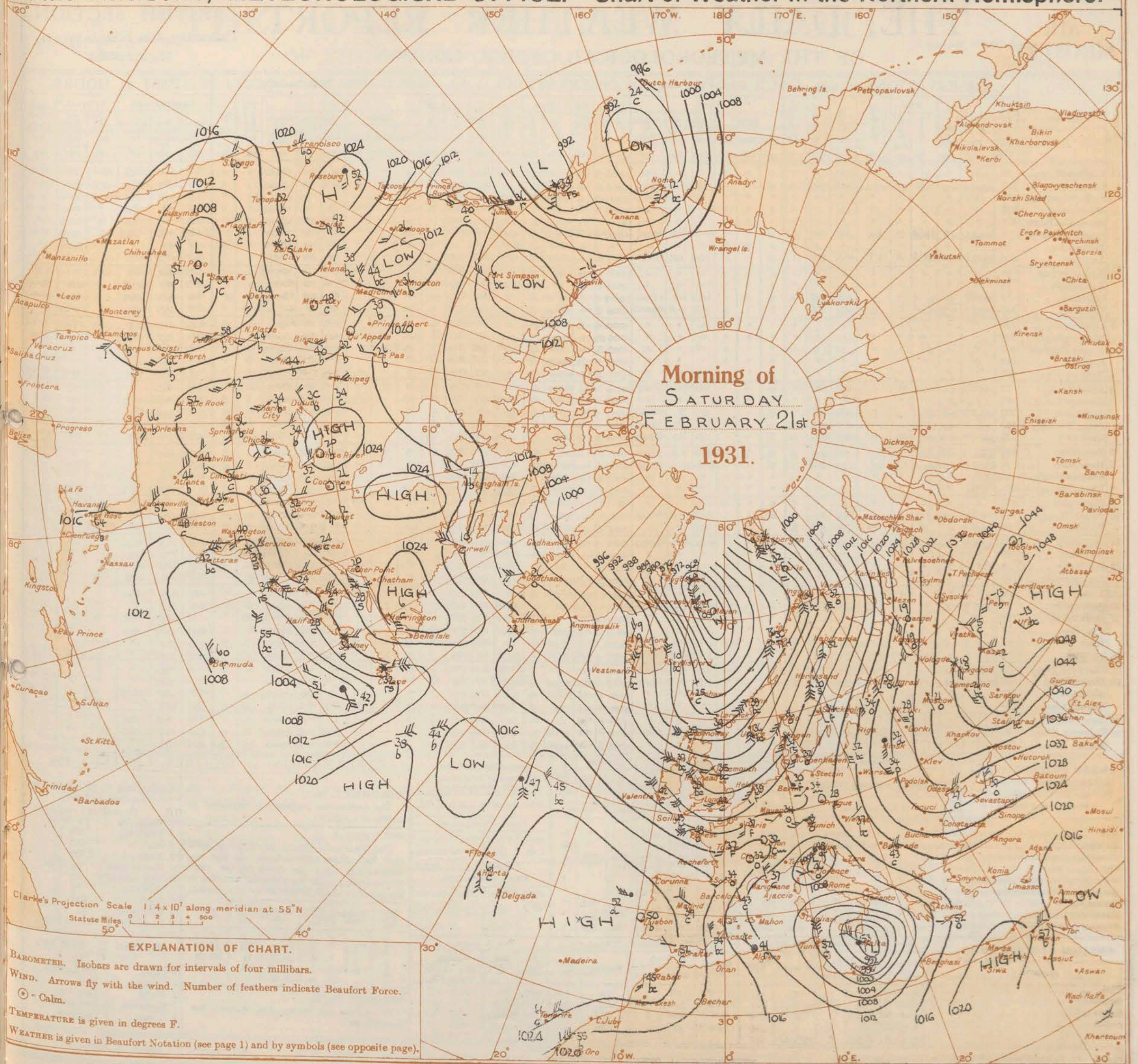
Bright periods, wintry showers, cold.

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. Pa 2499/2/89 Wt 26 D 6026 Gp 508 28280 2/31

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, 21st February 1931.

No. 25,223.

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)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0-10 (12)	Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1009·1	-2	SW	3	c/d	47	95	5	5	-	-	7·8	7·8	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1008.6	-8	SW'W	3	bc	45	95	6	5	-	-	4-6	4·6	1500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1008.6	-14	SW'S	4	rF	43	95	1	5	-	-	10	10	<150
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1005.6	o	SW'W	3	o	45	95	6	5	-	-	10	10	1500
	Cranwell ...	240	1005·1	+2	WSW	4	c	40	86	7	5	1	6	2·3	7·8	4000
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	1008.7	-2	WSW	4	c	47	95	7	4	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1010.2	-4	WSW	2	c	46	95	7	5	-	-	9	9	4000
	Scilly (St. Mary's)	163	1010.0	-10	W'N	4	rr	47	95	7	6	-	-	10	10	2500
	Guernsey ...	175	1011.4	-12	WSW	3	o	49	95	6	5	-	-	10	10	2500
6	Pembroke ...	142	1006·4	-6	W	5	q	45	75	8	5	7	-	4-6	7·8	2500
7	Holyhead ...	26	1004·5	-6	WSW	5	bc	42	85	7	5	-	-	4-6	4-6	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1003.6	+2	W'S	2	c	40	85	7	5	1	-	2·3	7·8	4000
	Tynemouth ...	67	999.7	o	W	3	b	38	85	8	-	-	-	0	0	-
11	Inchkeith ...	190	995.9	+6	WSW	5	bc	34	95	8	5	-	-	4-6	4-6	4000
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	985.8	+8	W	6	bc	35	85	7	6	-	-	4-6	4-6	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	986·8	+8	WSW	5	bc/ps	34	95	8	3	-	8	4-6	4-6	1500
16	Lerwick ...	54	980.5	o	WSW	4	bc	37	85	8	8	-	-	2·3	2·3	1500
17	Blacksod Point	18	1001.4	+2	W	7	PH(R)	38	85	7	9	-	-	10	10	<150
18	Malin Head ...	52	995·3	+4	W	6	c/ph(r)	37	95	7	9	-	-	7·8	7·8	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1006·6	o	W'N	6	PH(R)	40	95	8	3	-	-	4·6	4·6	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 21st February and **PAST 24 HOURS**

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	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)	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)...	1006·3	-4	SW	2	ir	42	85	6	6	–	–	10	10	1500	1	*	45	42	39	0.1	Tr.	0·0
	Croydon ...	1006·5	-16	SW	3	c	42	95	6	5	2	-	7-8	10	1500	1	*	45	42	39	0.2	0·1	0·1
	S. Farnborough	1006·3	-6	WSW	2	ir	41	95	7	8	–	–	10	10	1500	1	*	45	40	34	0.3	0·1	0·0
	Winchester ...	1006·8	-8	W	1	c	41	95	7	5	1	–	9	10	1500	1	*	44	41	39	1	0·2	0·0
	Boscombe Down	1007·1	0	NW	2	ir	40	95	7	6	–	–	9+	9+	1500	1	*	45	38	36	1	0·3	*
	Calshot, (S'thmtn)	1007·0	-8	SW'S	3	o/d	43	95	6	5	–	–	10	10	800	1	1	(49)	42	39	2	0·5	0·0
	Dungeness ...	*	*	SW	3	dd	*	*	4	5	–	*	10	10	1500	*	2	45	41	*	Tr.	0·5	*
	Lympne ...	1007·0	-4	SW	2	o/F	42	95	6	6	–	–	10	10	1500	1	*	44	39	38	0.2	1	2·8
2	Shoeburyness	1006·1	-6	S	2	o	42	95	7	5	–	–	10	10	1500	1	*	46	40	40	0.2	–	1·2
	Felixstowe ...	1006·1	-10	W	2	c/pr	42	95	4	5	2	–	4-6	10	1500	1	1	43	41	38	-	0·2	2·4
	Gorleston ...	1004·8	-2	SW'W	2	o	41	85	6	6	–	–	10	10	1500	0	2	46	40	36	0.1	Tr.	0·4
	Cranwell ...	1003·8	-4	SW'W	3	c	37	85	6	5	–	–	9	9	4000	1	*	45	35	32	1	0·3	0·0
3	Cardington ...	1005·4	-8	SW'W	3	c	39	95	6	5	7	–	7-8	9	4000	1	*	45	39	37	0·1	Tr.	0·0
	Birmingham ...	1004·5	0	WSW	3	pr	37	95	8	6	–	–	10	10	2500	1	*	46	37	33	1	3	0·0
	Upper Heyford	1005·3	-10	SW	3	c	38	95	7	5	2	–	4-6	7-8	2500	1	*	44	37	33	1	1	*
	Leafield ...	1005·1	-8	SW'S	3	c	37	95	8	5	1	–	~~7-8~~ 4-6	7-8	4000	6	*	43	37	34	1	1	0·0
4	Ross-on-Wye ...	1005·8	-4	WSW	3	c	39	85	8	8	–	–	7-8	7-8	2500	1	*	48	39	38	2	0·1	0·0
5	Portland Bill....	1006·6	-8	WNW	4	rr	44	85	7	6	7	–	7-8	9	1500	(2)	4	48	43	*	3	2	*
	Plymouth ...	1008·7	+8	NW	4	bc	43	75	8	9	–	3	2-3	2-3	2500	1	2	50	43	40	3	2	0·1
	Falmouth ...	1009·7	-8	W'N	5	bc	42	85	8	8	–	–	4-6	4-6	4000	1	2	52	42	*	1	3	1·0
	Scilly (St. Mary's)	1000·6	+16	NW	6	bc	43	75	8	2	–	–	4-6	4-6	4000	1	3	51	43	*	1	4	3·0
	Guernsey ...	1008·9	+14	WNW	3	rr	44	96	6	6	–	–	10	10	1500	(2)	4	~~48~~ 45	44	41	4	6	0·0
6	Pembroke ...	1006·4	+8	W	4	q	41	85	8	3	7	–	4-6	7-8	1500	1	3	49	40	*	2	1	1·0
7	Holyhead ...	1004·8	+10	W'N	6	u	39	95	8	8	–	–	4-6	4-6	1500	1	2	49	37	35	2	0·6	1·0
	Chester (Sealand)	1003·6	+2	WNW	1	bc	35	95	6	8	–	1	2-3	2-3	2500	1	*	54	35	30	1	–	3·1
8	L'pool (Bidston)	1003·2	0	WSW	4	r0r	36	95	8	9	–	–	9	9	2500	1	*	51	33	32	2	0·2	3·1
9	Harrogate ...	1001·9	-6	SSW	3	bc	35	95	7	6	–	8	2-3	4-6	2500	1	*	47	34	31	1	2	0·5
10	Spurn Head ...	1002·5	-2	WSW	3	bc	37	95	7	4	2	–	4-6	4-6	4000	0	4	44	36	*	0.3	1	0·0
	Tynemouth ...	998·9	0	WSW	2	bc	35	95	6	2	–	–	4-6	4-6	2500	4	2	51	35	29	(0.6)	–	*
11	Inchkeith ...	996·0	+6	SW	5	bc	35	85	8	8	3	–	4-6	4-6	2500	6	3	48	33	32	1	3	1·2
	Leuchars ...	995·8	+6	SW	5	c/ps	34	95	7	6	–	–	9	9	800	6	*	50	32	30	Tr.	2	1·8
12	Renfrew ...	997·9	+12	W	2	c	34	85	7	8	–	–	9	9	1500	6	*	47	33	30	4	5	1·0
	Eskdalemuir ...	999·5	+8	WSW	5	c	32	85	8	2	–	–	7-8	7-8	1500	4	*	45	32	28	12	–	0·7
13A	Tiree ...	996·2	+24	NW'W	5	c	35	85	7	3	–	3	4-6	7-8	1500	6	4	45	33	30	1	1	3·8
13B	Stornoway ...	989·4	+22	W	6	c/ph(R)	35	65	7	3	2	–	4-6	7-8	4000	6	4	43	32	*	5	2	2·5
15	Dalwhinnie ...	993·8	+22	W	5	bc	29	95	8	8	–	–	4-6	4-6	2500	9	*	40	27	24	6	2	0·2
	Aberdeen ...	993·0	+6	WSW	3	bc	35	75	8	5	–	–	4-6	4-6	2500	4	2	50	33	30	Tr.	–	2·3
	Wick ...	988·7	+8	SW	4	c	33	95	8	8	2	8	4-6	10	1500	8	3	42	31	*	0.4	1	*
16	Lerwick ...	984·0	+28	W'N	1	cjp	34	95	7	9	2	–	4-6	7-8	1500	1	*	43	34	*	6	4	1·7
17	Blacksod Point	1004·4	+12	W	7	PH(R)	39	75	7	9	–	–	10	10	<150	6	6	49	35	*	3	1	*
18	Malin Head ...	999·3	+20	WNW	6	bc/ph(R)	37	85	8	9	–	–	2-3	2-3	2500	1	4	47	35	*	3	2	2·5
	Aldergrove ...	1000·4	+18	SSW	4	prs	33	95	7	9	–	–	10	10	1500	6	*	49	32	29	1	1	2·4
	Donaghadee ...	1000·8	+16	W	2	bc	34	95	7	7	–	3	4-6	4-6	4000	6	0	51	33	*	1	–	*
19	Birr Castle ...	1006·0	+12	S	2	bc	33	95	8	3	7	–	1	4-6	2500	6	*	50	33	29	2	1	1·3
20	Valentia Obsy.†	1009·7	+14	NW	5	c	42	65	8	3	–	–	7-8	7-8	2500	1	*	52	37	35	0.5	4	2·7
	Roches Point...	1008·8	+20	NW	3	bc	36	95	8	3	–	–	4-6	4-6	1500	0	3	~~45~~ 54	36	*	–	Tr.	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Afternoon	Night	Temperature Day Max. °F.	Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Night mm.	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew ...	18	cm0	cir0	pmcm0c	45	42	39	0·1	Tr.	0·0	•	•	6
Croydon ...	217	bccm0	ocr0rm0	[illegible]	45	42	39	0·2	0·1	0·1	•	•	6
Greenwich (Royal Observatory) ...	149	c	cir0	c	~~47~~ 46	~~39~~ 42	37	0·3	–	0·0	86	79	4
City (Bunhill Row) ...	—	•	•	•			•	•	•	0·0	•	•	•
Westminster (St. James' Park) ...	27	•	•	•						0·1			•
Regents Pk. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	•	0·0	•	•	•
Camden Square ...	110	c	coro	•	46	40	39	0·3	–	•	•	84	•
Kensington Palace ...	80	bco	odo	•	45	42	35	Tr.	0·2	•	At 18h. 81	81	•
Hampstead Observatory ...	450	cm	orm	•	45	38	34	0·3	Tr.	0·0	•	89	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.
1·0	9h. 20th	<0·3	0h.-6h. 21st.

Kew Observatory Max.	Time.	Min.	Time.
0·2	16h. 20th	<0·1	3h.-5h. 21st.

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 20th February Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 21st 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 ...	1014·6	WSW	1	x	41	1011·9	S	1	m	39	45	36	–	–
Brussels ...	1013·1	S	2	c	34	1009·4	SSW	3	id0	34	45	30	–	0·4
Berlin ...	1015·5	SSE	1	f	34	1015·5	SW	1	m	34	34	32	–	Tr.
Zürich ...	1015·6	N	1	z	34	1014·7	W	1	m	31	36	30	–	–
Rome ...	1012·5	SSE	7	r/tlr	57						65		7	

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.

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 22nd February 1931.

No. 25,294.

OBSERVATIONS at 13h. G.M.T. 21st 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)	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)...	1007.9	+10	WNW	4	bc	45	55	7	1	-	-	4-6	4-6	1500
	Croydon ...	1008.4	+10	W	4	z	46	55	6	8	-	-	4-6	4-6	2500
	S. Farnborough	1008.0	+10	W'N	4	bc	46	55	8	2	-	-	2-3	2-3	2500
	Winchester ...	1009.0	+8	WNW	5	bc	45	55	8	2	-	-	2-3	2-3	4000
	Boscombe Down	1009.8	+18	NW	4	c	42	65	8	1	-	-	7-8	7-8	2500
	Calshot, S'thmtn	1009.1	+10	WNW	6	bc	45	55	8	7	-	-	4-6	4-6	2500
	Dungeness ...	*	*	WSW	3	bc	*	*	7	8	-	*	4-6	4-6	1500
	Lympne ...	1006.9	-6	NW'W	3	phr₀	44	85	7	9	-	-	7-8	7-8	1500
2	Shoeburyness	1006.7	0	NW	3	bc	46	65	8	2	-	1	4-6	4-6	4000
	Felixstowe ...	1006.6	+2	NW	3	bc/ph	41	95	8	8	-	-	4-6	4-6	1500
	Gorleston ...	1005.5	+4	NW'W	1	c/ph	39	95	6	9	-	-	9	9	1500
	Cranwell ...	1006.3	+10	W	4	c	41	75	8	3	3	-	4-6	7-8	2500
3	Cardington ...	1007.5	+12	WNW	4	b	44	55	8	2	-	-	1	1	5700
	Birmingham ...	1007.9	+10	WNW	4	c	41	55	7	6	3	-	2-3	7-8	2500
	Upper Heyford	1008.7	+14	NW'W	5	c	45	55	9	1	-	-	7-8	7-8	4000
	Leafield ...	1008.3	+14	NW'W	5	bc	40	65	9	1	-	-	4-6	4-6	5700
4	Ross-on-Wye ...	1009.2	+16	W'N	4	bc	42	55	9	2	-	-	4-6	4-6	4000
5	Portland Bill...	1010.2	+18	WNW	5	bc	45	55	8	7	-	-	4-6	4-6	2500
	Plymouth ...	1012.5	+14	NW	5	bc	44	55	8	8	-	-	4-6	4-6	2500
	Falmouth ...	1013.0	+12	NW'W	4	bc	45	75	8	2	-	-	4-6	4-6	4000
	Scilly (St. Mary's)	1014.7	+16	NW	6	bc	47	75	8	2	-	-	2-3	2-3	4000
	Guernsey ...	1012.6	+16	NW	4	bc	47	55	9	8	-	-	4-6	4-6	2500
6	Pembroke ...	1011.2	+12	W	4	bc	42	75	8	1	8	-	4-6	4-6	2500
7	Holyhead ...	1008.6	+18	W	6	bc	43	75	8	4	3	-	4-6	4-6	1500
	Chester (Sealand)	1007.7	+20	WNW	5	c	43	65	8	3	-	-	7-8	7-8	2500
8	L'pool (Bidston)	1006.8	+16	W	6	q	40	75	9	3	-	-	4-6	4-6	2500
9	Harrogate ...	1004.0	+14	SW'W	4	b	41	65	9	9	-	-	1	1	4000
10	Spurn Head ...	1004.3	+2	WNW	5	c	41	75	6	5	-	9	7-8	9	1500
	Tynemouth ...	1002.0	+16	W	4	bc	43	65	6	2	-	-	4-6	4-6	2500
11	Inchkeith ...	1001.2	+20	WSW	4	bc	37	85	7	4	-	9	2-3	4-6	2500
	Leuchars ...	1000.5	+20	WSW	4	bc	39	75	8	1	3	1	1	2-3	2500
12	Renfrew ...	1004.0	+34	WNW	4	ps	36	85	5	9	-	3	9	9	1500
	Eskdalemuir ...	1003.7	+20	WNW	4	c/ps	33	75	8	3	-	-	7-8	7-8	800
13A	Tiree ...	1002.2	+32	W'N	4	psh	36	75	9	3	-	-	10	10	1500
13B	Stornoway ...	997.5	+16	W	6	bc	33	95	8	9	-	-	4-6	4-6	4000
15	Dalwhinnie ...	998.8	+18	WSW	3	c	28	95	8	8	-	-	7-8	7-8	2500
	Aberdeen ...	998.5	+30	W	4	bc	40	45	8	2	3	-	1	2-3	2500
	Wick ...	993.9	+32	SW	5	ps	33	95	8	9	1	-	4-6	7-8	1500
16	Lerwick ...	982.4	+34	S'W	5	c/ps	35	85	7	9	-	-	9	9	1500
17	Blacksod Point	1009.2	+20	W	7	Q	42	75	8	9	-	-	7-8	7-8	<150
18	Malin Head ...	~~1005.9~~ 1004.5	+26	WNW	6	bc/p	38	95	7	9	6	-	2-3	4-6	2500
	Aldergrove ...	1007.3	+26	W'S	4	c/ps	35	95	8	9	-	-	7-8	7-8	800
	Donaghadee ...	1006.2	+30	W	2	bc	37	85	7	5	2	9	2-3	4-6	4000
19	Birr Castle ...	1010.5	+12	NW	3	c	41	65	8	3	-	-	7-8	7-8	2500
20	Valentia Obsy.	1014.8	+20	W'N	4	bc	43	65	9	9	-	-	2-3	2-3	1500
	Roches Point...	1012.9	+24	N	3	bc	41	85	8	3	-	-	2-3	2-3	1500

OBSERVATIONS at 18h. G.M.T. 21st February

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	1012.4	+32	W	3	b	41	55	5	1	-	-	Tr	Tr	2500	1	*
Croydon	1012.2	+26	WNW	3	3	41	65	5	7	-	-	2-3	2-3	2500	1	*
S. Farnborough	1011.9	+28	WNW	2	b	40	65	8	1	-	-	Tr	Tr	2500	1	*
Winchester	1013.1	+28	W'N	4	b	39	75	7	1	-	-	1	1	4000	1	*
Boscombe Down	1013.3	+26	W'N	3	bc	37	85	8	4	-	-	2-3	2-3	4000	1	*
Calshot, S'thmtn	1012.9	+26	W'N	4	b	40	65	7	5	-	-	Tr	Tr	4000	0	1
Dungeness	*	*	NW	2	bc	*	*	7	4	-	*	2-3	2-3	2500	*	2
Lympne	1011.3	+26	NW	4	3	39	65	6	7	-	-	1	1	4000	1	*
Shoeburyness	1011.8	+30	WNW	1	bc	39	75	7	5	7	-	1	2-3	4000	0	*
Felixstowe	1010.8	+34	NW	3	b	40	65	8	5	-	-	1	1	4000	1	2
Gorleston	1009.1	+20	WNW	2	bc	40	75	6	3	1	-	1	4-6	2500	1	2
Cranwell	1010.6	+34	W	3	b	36	75	6	1	-	-	1	1	2500	1	*
Cardington	1011.4	+24	WNW	3	bc	40	55	8	7	-	-	2-3	2-3	5700	1	*
Birmingham	1011.7	+28	WNW	4	bc/pr₀	38	65	7	6	8	-	1	2-3	1500	1	*
Upper Heyford	1012.5	+32	W'N	3	bc	38	65	8	7	-	-	4-6	4-6	4000	1	*
Leafield	1012.1	+20	WNW	4	b	36	65	9	4	-	-	Tr	Tr	5700	1	*
Ross-on-Wye	1012.8	+26	W	2	b	38	75	8	3	-	-	1	1	4000	1	*
Portland Bill	1013.8	+18	NW'W	5	bc	44	65	8	4	-	-	2-3	2-3	2500	1	3
Plymouth	1015.6	+20	NW'W	4	b	43	65	8	8	-	-	1	1	2500	1	2
Falmouth	1016.2	+8	W'N	4	bc	43	65	8	3	-	-	4-6	4-6	4000	1	1
Scilly (St. Mary's)	1017.2	+14	WNW	6	bc	43	85	8	2	-	-	4-6	4-6	4000	0	3
Guernsey	1015.3	+30	NW	3	bc	44	55	9	5	-	-	4-6	4-6	2500	1	4
Pembroke	1013.2	+10	W	4	bc	42	75	8	1	8	-	2-3	4-6	2500	0	2
Holyhead	1011.3	+14	W	5	c	41	85	8	4	-	1	4-6	7-8	2500	1	3
Chester (Sealand)	1011.4	+26	W'N	3	bc	38	75	8	3	-	-	2-3	2-3	2500	0	*
L'pool (Bidston)	1010.4	+24	W	4	bc	38	75	9	7	-	-	2-3	2-3	2500	0	*
Harrogate	1009.3	+30	SW	2	b	34	85	8	4	-	-	Tr	Tr	4000	1	*
Spurn Head	1007.9	+16	NW'W	5	bc	40	66	6	5	-	-	4-6	4-6	2500	0	4
Tynemouth	1006.4	+32	W	2	bc	35	95	6	5	-	-	4-6	4-6	800	0	2
Inchkeith	1005.3	+26	SW	3	bc	36	75	7	4	-	-	2-3	2-3	4000	4	2
Leuchars	1004.6	+26	SW	2	b	32	85	8	1	3	-	Tr	Tr	2500	1	*
Renfrew	1007.1	+18	SW'W	3	c/ps	34	85	6	9	-	-	9+	9+	1500	6	*
Eskdalemuir	1007.6	+24	W	4	ps	30	85	8	3	-	-	2-3	2-3	1500	8	*
Tiree	1004.4	+14	W	4	psh	36	85	8	3	7	8	9	9+	1500	6	3
Stornoway	999.5	+20	NW	5	c	33	85	7	9	~1	-	4-6	7-8	4000	6	2
Dalwhinnie	1002.4	+8	WSW	4	sf	27	95	3	5	-	-	10	10	<150	8	*
Aberdeen	1001.9	+26	SW	3	b	34	65	7	-	-	-	0	0	-	4	2
Wick	998.6	+20	SW	5	is	29	95	7	6	2	-	7-8	10	1500	8	3
Lerwick	991.1	+16	W	9	c/ps	30	95	7	8	-	-	7-8	7-8	1500	6	*
Blacksod Point	1010.7	+4	W	2	c	39	95	8	9	-	-	7-8	7-8	220	6	3
Malin Head	1006.9	+14	WSW	4	bc/ps	37	95	8	9	-	-	2-3	2-3	2500	1	4
Aldergrove	1009.5	+18	SW'S	4	bc	34	85	8	8	1	8	1	4-6	2500	1	*
Donaghadee	1008.7	+16	W	2	bc	35	85	7	5	-	-	4-6	4-6	2500	0	1
Birr Castle	1013.0	+14	SW	2	bc	37	85	8	8	5	-	2-3	2-3	2500	1	*
Valentia Obsy.	1015.9	+8	SW'W	3	bc	42	75	8	8	-	-	4-6	4-6	1500	1	4
Roches Point	1015.9	+16	NW	3	c	42	75	8	9	-	-	7-8	7-8	1500	0	3

PAST 24 HOURS. WEATHER.

Stations	7h.–13h. 21st (37)	13h.–18h. 21st (38)	18h. 21st to 1h. 22nd (39)	1h.–7h. 22nd (40)
London (Kew)	bcm₀	bcy	byz₀bm₀x	bm₀x
Croydon	cr₀r₀cm₀	bcz₀y	bcymb	b
S. Farnborough	cp₀cbcy	bcyv	bx	bxm₀
Winchester	ccprbcy	bcy byb	bx	bxbcx
Boscombe Down	cir₀	cbc	bcbx	bxbcx
Calshot, S'thmtn	od₀bcpr₀	bcyb	b bx	bx, bcx
Dungeness	bc	b	*	b
Lympne	cm₀bc	bbm₀	bm₀x	bm₀wx
Shoeburyness	orrm₀cbc	bcpr₀b	bx	bm₀x
Felixstowe	cmRorr...	bcqbv	bx	bx
Gorleston	om₀pkr₀	cbc	bcbm₀	bx
Cranwell	cphsqbc	bcy pr₀	bz₀m₀	bm₀x
Cardington	cpr₀bc	by	bx	bx
Birmingham	prbc	bcpr₀	bx	bbcx
Upper Heyford	cbcy	bcc	bcbx	bbcm₀x
Leafield	bc	bcpbv	bx	bbcx
Ross-on-Wye	bcc bcy	bcvyb	bbcb	bxbcc
Portland Bill	crrcbc	bc	b	bbc
Plymouth	bcprbbcy	bcvyb	bbc	bcpr₀b
Falmouth	bcprq	bcp₀	bc	bcp
Scilly (St. Mary's)	bcp	bc	bc	bcp
Guernsey	orbcp	bcbc	bc	bc
Pembroke	bc	bc	b	bbc
Holyhead	bc	bc	bcb	bcb
Chester (Sealand)	prsq bc	bcjpq	bx	bxbc
L'pool (Bidston)	Ph bc	vq bcv	bv	bvbw
Harrogate	pscb	b	b	bbcph
Spurn Head	dcc	bc	bc	bcx
Tynemouth	bcq	bcps₀	bcb	bbc
Inchkeith	bcprs	bc	bc	bc
Leuchars	cps₀b	b	bx	bbcx
Renfrew	sbccpsbc	cbbcps₀	cps₀bx	bxbs₀bcx
Eskdalemuir	cxcpsh...	bcpSksps	cpsks₀	cpsks₀bc
Tiree	cPsaqbccq	pshqbcps	bbcc	cPShqbcb
Stornoway	bcpsh	bcPS	bc	bcaSS
Dalwhinnie	psfksbcsfc	psbcsf	bbc	bc
Aberdeen	bcy	buyb	b	b
Wick	cps	cis	bc	bc
Lerwick	cphrspcq	cpsh q	cishq	cishq, oss
Blacksod Point	phsq	phqc	phqc	phrqc
Malin Head	bcphr	bcphr	bcphsbcphs	bcphsPRbc
Aldergrove	cbcprs	bccbc	bc	bccps
Donaghadee	ps₀bc	bc	bbcps₀bc	bcx
Birr Castle	bcps	cbc	bcb	bbcr₀bx
Valentia Obsy.	cp₀cphqbc	cPhbcc	prh	bc
Roches Point	bcpbc	bcphc	cbcbw	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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

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.

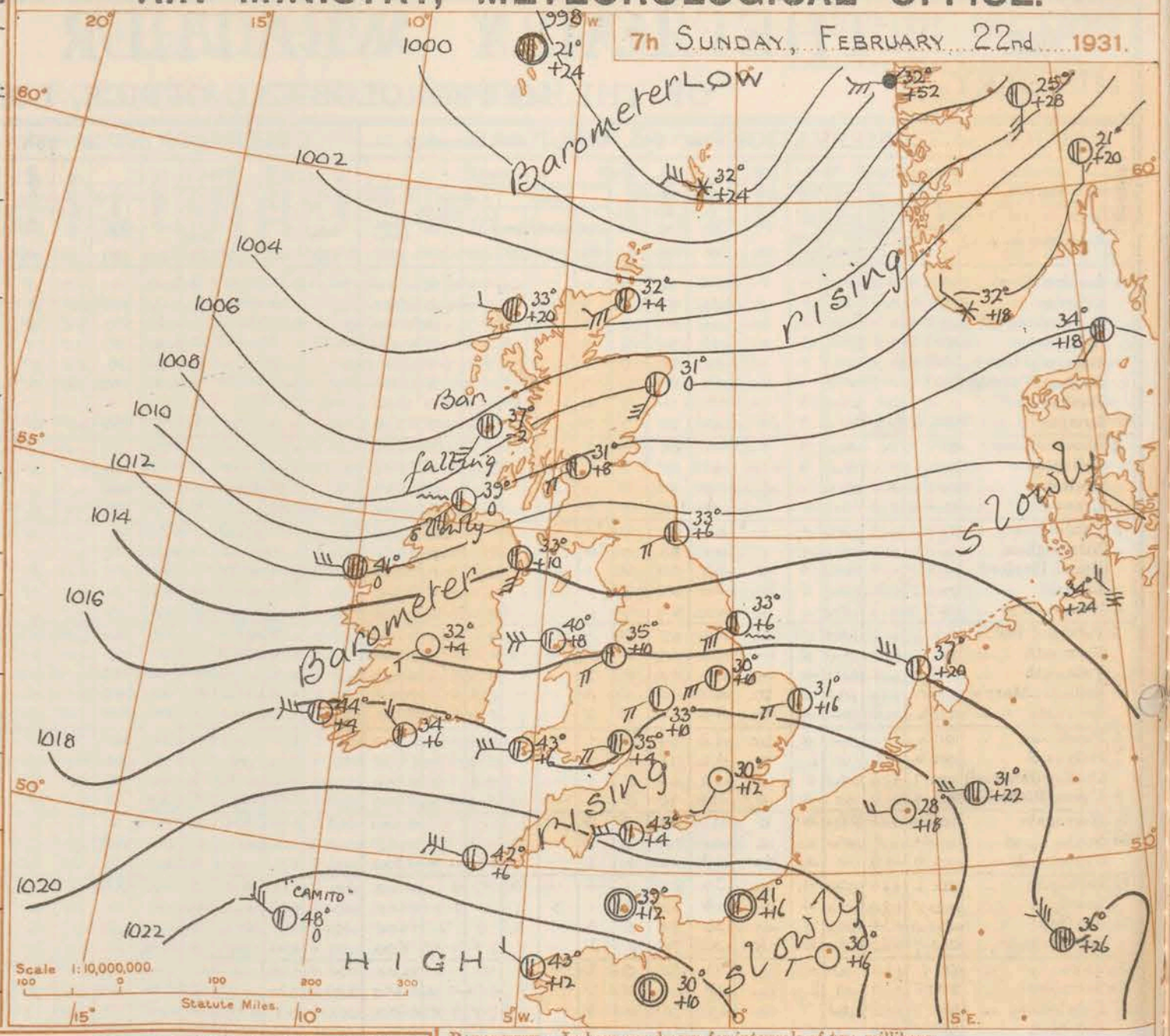
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 21st February 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	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.	rocbc	bcb	38	47	3	1	4.5	0.8
	Bournemouth	b	b	41	47	1	–	8.5	0.0
	Ventnor ...	orbc	b	41	47	5	–	7.8	0.0
	Southsea ...	cb	b	42	47	1	–	6.5	0.0
	Bognor Regis	bcbc	bb	41	47	1	–	6.7	0.1
	Littlehampton	cbc	bc	41	48	2	–	7.1	0.2
	Worthing ...	cbc	b	42	48	2	–	6.7	0.4
	Brighton ...	docbc	b	42	48	2	–	6.5	0.8
	Eastbourne†	rrcbc	bcb	42	49	4	0.5	5.6	1.6
	Hastings† ...	ormcbc	bcbbc	41	47	2	1	5.2	1.3
	Folkestone ...	oroc	cbbcb	40	47	2	2	3.1	2.7
	Dover... ...	roc	cbcb	42	47	2	1	3.0	3.7
	Deal	roc	cbb	41	45	1	2	2.7	3.8
	Ramsgate ...	robc	bcb	40	44	0.5	1	3.4	3.8
	Margate ...	crbc	bc	40	45	1	0.4	3.9	4.0
2	Southend ...	crbc	crbcb	38	48	1	0.2	4.2	0.9
	Maldon ...	rcbc	b	40	46	0.3	–	4.4	0.2
	Clacton-on-Sea	cbcbc	chrsbc	39	47	0.4	0.6	4.4	1.9
	Dovercourt ...	roc	pbc	40	45	2	Trace	4.0	2.2
	Lowestoft ...	coprh	cbcb	38	44	0.2	2	3.1	2.0
	Skegness ...	dobc	bcc	35	44	0.1	0.3	5.0	0.0
	Mablethorpe	ocpcm	bcm	35	44	1	–	5.9	0.0
	Cleethorpes ...	cb	b	34	44	1	–	5.2	0.1
3	Leamington S.	bc	bbc	36	46	–	–	5.8	0.0
4	Cheltenham†	bzbcc	cbcb	38	48	–	–	5.4	0.0
5	Bath	bbc	b	40	47	2	–	8.4	0.0
	Weymouth ...	b	b	41	49	2	–	8.8	0.0
	Jersey ...	rrcbc	bc	41	49	7	–	7.6	0.0
	Torquay ...	pb	bcbb	40	47	1	–	8.3	0.1
	Penzance ...	b	b	40	49	3	–	7.8	2.3
	St. Ives ...	b	b	40	45	1	–	7.9	2.5
	Bude	bc	bc	41	49	1	–	8.2	0.0
	Ilfracombe ...	bcb	b	41	45	1	–	7.5	0.1
6	Aberystwyth	cirbc	bcbc	39	43	2	–	6.9	1.6
7	Llandudno ...	bc	bc	36	43	1	–	7.0	1.8
	Colwyn Bay...	bbcbc	bcbcb	36	44	1	–	6.9	1.6
	Rhyl	bbc	pbbc	36	43	1	0.2	8.3	4.2
8	Wallasey ...	bcb	bbc	35	46	1	–	6.8	2.4
	Southport‖ ...	b	bbcb	37	43	0.4	–	7.8	0.1
	Blackpool ...	cbc	bc	38	43	1	–	7.4	0.0
	Morecambe ...	bcbcs	bbcbc	37	41	Trace	Trace	7.5	0.0
9	Ilkley... ...	bcrsb	bsb	35	44	5	Trace	6.6	0.0
10	Berwick-on-T.	bc	bc	33	39	0.2	–	7.1	2.2
11	Dunbar ...	cisc	b	34	39	Trace	–	7.0	1.9
12	Douglas ...	xcbq	bcbqbc	35	41	–	–	8.1	0.3

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with the wind. Number of feathers indicate Beaufort force. Calm. = ⊙
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. ▲ 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. 22nd Feb. 1931.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Wind west, mainly light; fine; local mist or fog early tomorrow; normal day temperature; night frost, sharp on the ground.
5. S.W. England 6. South Wales 7. North Wales	Wind west, mainly moderate; considerable bright periods; scattered wintry showers; rather cold; night frost.
8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands. 17. N.W. Ireland 18. N.E. Ireland	Wind southwest to west, mainly moderate but fresh locally on the west coasts; bright periods; some wintry showers; probably local snowfall in the hill districts; cold or rather cold; sharp night frost.
19. S.E. Ireland 20. S.W. Ireland	As 5 - 7.

GENERAL INFERENCE.

Pressure continues to rise fairly generally over the British Isles between a depression in the far north and an anticyclone to southward. A shallow secondary trough off our northwest coasts will give further wintry showers in the northwest and north but elsewhere weather will be mainly fine.

FURTHER OUTLOOK.

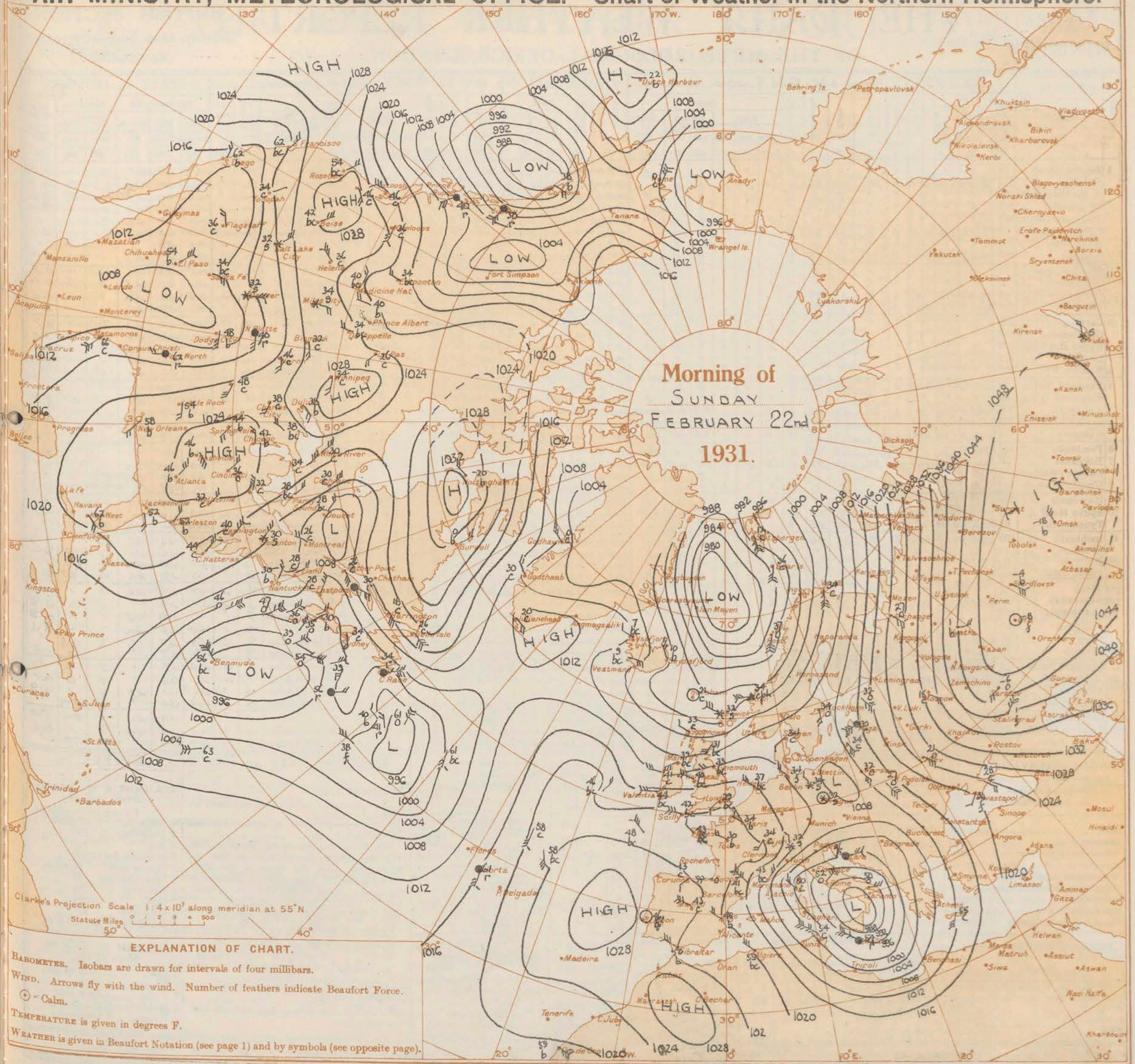
Probably mainly fair, rather cold weather continuing.

Forecasts issued at 1200 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2 Pk 2439/2/43 m 26 9.6026 4a 908 28280 2/31

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).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 22nd February 1931.

No. 25,294.

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)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1016.9	+14	W'S	3	m₀	33	85	6	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1018.4	+14	WSW	3	b	33	85	8	-	-	-	0	0	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1016.7	+26	NW'W	3	m₀	31	85	6	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1014.0	+16	W	2	b	33	95	6	-	-	-	0	0	-
	Cranwell ...	240	1014.7	+8	WSW	3	b	31	85	6	-	-	-	0	0	-
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1017.5	+14	WNW	5	b	42	75	8	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1020.0	+10	W	2	bc	40	75	8	3	-	-	2·3	2·3	4000
	Scilly (St. Mary's)	163	1020·3	+10	W'N	4	bc	43	85	8	2	-	-	2·3	2·3	4000
	Guernsey ...	175	1019.3	+14	NW	1	bc	42	75	9	5	-	-	~~10~~ 4·6	~~10~~ 4·6	2500
6	Pembroke ...	142	1016.4	+6	W	4	b	43	75	8	1	-	-	1	1	2500
7	Holyhead ...	26	1014·3	+10	WSW	4	bc	40	85	8	5	-	-	2·3	2·3	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1013.0	+8	W	2	bc	35	85	6	5	-	-	2·3	2·3	1500
	Tynemouth ...	67	1010.6	+12	W	2	b	34	95	7	-	-	-	0	0	-
11	Inchkeith ...	190	1009.3	+20	WSW	4	bc	34	95	8	-	8	-	0	2·3	-
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1002·3	0	SW	4	bc	33	95	7	4	-	-	2·3	2·3	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1003.4	+16	SW	4	bc	28	95	8	8	-	-	2·3	2·3	2500
16	Lerwick ...	54	996·4	+52	~~SE~~ W'N	4	sh	31	95	6	9	-	-	7·8	7·8	1500
17	Blacksod Point	18	1012·9	+10	WNW	3	bc	41	75	7	3	-	-	2·3	2·3	2500
18	Malin Head ...	52	1009.8	+8	WNW	3	bc/ps	37	95	8	9	-	-	2·3	2·3	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1017.4	+10	W	5	bc	42	95	8	4	-	-	2·3	2·3	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	1019.4	+16	SW	1	bc	29	95	6	-	7	6	0	2·3	-	4	*
Croydon	1019.4	+12	SW'S	1	z	30	95	6	-	3	-	0	1	-	4	*
S. Farnborough	1019.2	+10	-	0	bc	25	95	6	-	3	1	0	2·3	-	4	*
Winchester	1019.5	+6	WSW	1	bc	29	95	7	7	3	6	1	4·6	4000	4	*
Boscombe Down	1019.4	+20	ESE	2	c	29	95	7	5	7	-	1	7·8	2500	4	*
Calshot (S'thmtn)	1019.4	+10	WSW	2	bc	32	85	8	7	5	-	Tr.	4·6	4000	4	0
Dungeness	*	*	NW	1	bc	*	*	7	5	-	*	2·3	2·3	2500	*	0
Lympne	1019.0	+16	NW	2	b	30	95	7	-	-	-	0	0	-	4	*
Shoeburyness	1018.2	+14	W	1	b	31	85	6	-	-	-	0	0	-	4	*
Felixstowe	1019.0	+36	W'N	2	z	32	95	6	-	-	-	0	0	-	4	0
Gorleston	1017.5	+16	W'S	2	bc	31	95	6	4	-	-	2·3	2·3	2500	4	2
Cranwell	1016.9	+10	SW'W	3	bc	30	95	6	-	3	-	0	2·3	-	4	*
Cardington	1018.0	+10	SW'W	3	b	27	95	7	-	4	4	0	1	-	4	*
Birmingham	1018.0	+10	SW	2	bc	33	85	8	-	1	6	0	4·6	-	1	*
Upper Heyford	1019.1	+12	S	2	bc	30	95	6	-	7	·	0	4·6	-	4	*
Leafield	1018.1	+10	S'W	2	c	29	95	6	4	7	6	Tr.	7·8	4000	4	*
Ross-on-Wye	1018.0	+4	WSW	2	c	35	85	8	4	1	-	4·6	7·8	4000	4	*
Portland Bill	1019.3	+4	W	4	bc	43	75	8	4	4	-	2·3	2·3	2500	1	2
Plymouth	1020.6	+4	ENE	1	bc	33	95	8	8	3	-	2·3	2·3	2500	5	2
Falmouth	1021.3	+10	W	3	bc/br	40	95	8	3	3	-	2·3	4·6	4000	1	1
Scilly (St. Mary's)	1021.0	+6	W'N	5	bc	42	95	8	2	-	-	2·3	2·3	4000	0	2
Guernsey	1021.6	+12	-	0	bc	39	85	9	5	-	-	4·6	4·6	2500	0	2
Pembroke	1017.7	+6	W	4	bc	43	85	8	7	8	9	2·3	4·6	2500	0	2
Holyhead	1015.3	+8	W	5	bc	40	85	8	5	8	2	1	2·3	2500	1	*
Chester (Sealand)	1016.3	+10	SW	2	bc	35	85	8	8	1	1	2·3	4·6	4000	4	*
L'pool (Bidston)	1015.6	+8	SW'W	4	bc	37	85	8	8	-	-	2·3	2·3	4000	0	*
Harrogate	1014.5	+6	SSW	3	bc/bl	34	95	7	6	4	-	1	2·3	2500	4	*
Spurn Head	1015.2	+6	SW'W	3	bc	33	95	6	4	2	-	1	4·6	4000	~~2~~ 5	4
Tynemouth	1012.2	+6	WSW	2	bc	33	95	6	2	-	-	4·6	4·6	2500	4	1
Inchkeith	1010.6	+4	SW	3	bc	35	95	8	-	4	8	0	4·6	-	0	1
Leuchars	1010.2	+10	SW	2	bc	28	95	7	5	-	5	1	2·3	1500	4	*
Renfrew	1011.5	+8	SW	2	c	31	95	8	8	-	1	4·6	7·8	1500	6	*
Eskdalemuir	1013.1	+8	WSW	3	bc	31	95	7	8	-	-	4·6	4·6	1500	8	*
Tiree	1007.9	-2	SW'S	3	[illegible]	37	85	9	3	5	8	4·6	7·8	1500	6	2
Stornoway	1003.9	+20	W	1	c	33	95	7	4	2	-	7·8	10	4000	3	2
Dalwhinnie	1008.7	+2	SW'W	4	bc	29	95	8	4	-	1	4·6	4·6	4000	9	*
Aberdeen	1008.4	0	SSW	3	bc	31	75	8	-	-	3	0	2·3	-	4	1
Wick	1003.9	+4	SW	4	bc	32	95	8	8	1	-	2·3	4·6	2500	8	3
Lerwick	997.6	-24	WNW	4	ss	32	65	6	6	-	-	10	10	1500	8	*
Blacksod Point	1012.9	0	W	3	bc	41	95	7	3	-	-	4·6	4·6	2500	1	3
Malin Head	1009.7	0	SW	3	bc	39	95	7	8	6	-	4·6	4·6	2500	1	4
Aldergrove	1014.1	+10	S'W	3	c	33	95	7	5	7	-	2·3	7·8	2500	6	*
Donaghadee	1012.9	+6	W	2	bc	34	95	7	5	2	9	1	4·6	2500	4	1
Birr Castle	1015.9	+4	SW	1	b	32	95	8	-	4	-	0	1	-	1	*
Valentia Obsy.†	1018.3	+4	W	4	bc	44	75	8	8	-	-	4·6	4·6	2500	1	*
Roches Point	1018.2	+6	NW	2	bc	34	95	8	5	-	-	2·3	2·3	1500	0	2

PAST 24 HOURS.

Stations	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 21st Hrs. (36)
London (Kew)	47	28	17	Tr	-	5.5
Croydon	46	30	24	0.6	Tr.	4.9
S. Farnborough	48	24	15	0.4	Tr.	6.6
Winchester	47	26	18	0.2	-	8.0
Boscombe Down	44	29	23	Tr	-	*
Calshot (S'thmtn)	46	30	20	0.1	-	6.9
Dungeness	48	28	*	0.2	Tr.	*
Lympne	45	29	23	3	-	3.4
Shoeburyness	47	29	21	1	-	3.5
Felixstowe	43	31	25	3	Tr.	3.4
Gorleston	45	30	28	3	-	0.5
Cranwell	42	29	26	1	-	6.6
Cardington	44	26	23	Tr	-	3.7
Birmingham	43	32	28	Tr	-	7.0
Upper Heyford	45	27	18	—	-	*
Leafield	43	26	23	—	-	8.2
Ross-on-Wye	45	33	21	—	-	7.3
Portland Bill	46	40	*	Tr	-	*
Plymouth	46	31	28	Tr	0.1	9.2
Falmouth	46	39	*	0.3	0.3	8.2
Scilly (St. Mary's)	47	40	*	0.1	0.2	8.7
Guernsey	47	38	26	1	-	7.3
Pembroke	43	41	*	—	-	8.4
Holyhead	43	40	34	—	-	8.7
Chester (Sealand)	43	30	24	0.2	-	7.2
L'pool (Bidston)	41	35	31	0.3	-	6.5
Harrogate	42	30	25	0.1	Tr.	8.5
Spurn Head	42	32	*	—	-	4.7
Tynemouth	43	32	26	Tr	-	*
Inchkeith	37	33	31	0.2	-	6.6
Leuchars	40	26	21	Tr	Tr.	8.4
Renfrew	39	30	22	3	0.1	5.1
Eskdalemuir	35	29	23	4	8	3.8
Tiree	37	~~27~~ 33	26	3	1	4.2
Stornoway	37	29	*	1	4	3.8
Dalwhinnie	30	18	15	1	1	4.8
Aberdeen	40	29	24	—	-	8.3
Wick	34	27	*	2	0.3	*
Lerwick	38	27	*	1	6	1.2
Blacksod Point	43	37	*	2	4	*
Malin Head	41	33	*	1	6	4.1
Aldergrove	41	31	29	Tr	1	4.8
Donaghadee	42	32	*	2	0.4	*
Birr Castle	42	32	25	1	0.4	7.0
Valentia Obsy.†	45	39	36	3	1	6.2
Roches Point	44	34	*	0.2	Tr.	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	bcm₀	bcy	byz₀bm₀	47	28	17	Tr.	-	5.5	*	*	4
Croydon	217	r₀r₀cm₀	bcz₀y	bcym₀b	46	30	24	0.6	Tr.	4.9	*	*	5
Greenwich (Royal Observatory)	159	c	bcby	bxm	48	28	16	-	Tr.	3.8	48	67	3
City (Bunhill Row)	—	·	·	·	·	·	·	·	·	5.5	·	·	·
Westminster (St. James' Park)	27	·	·	·	48	29	23	-	-	5.2	54	88	·
Regents Pk. (Botanic Gardens)	168	·	·	·	·	·	·	·	·	5.3	·	·	·
Camden Square	110	c	c	·	47	31	21	-	-	·	·	87	·
Kensington Palace	80	bc	bcb	·	47	29	23	-	-	·	At 18h. 50	97	·
Hampstead Observatory	450	·	·	·						5.6	·		·

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0.8	9h 21st	<0.3	4h-6h 22nd

Kew Observatory. Max.	Time.	Min.	Time.
0.4	20h 21st	0.1	5h 22nd

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.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1013.0	WNW	2	bc	43	1019.9	WNW	1	b	34	45		4	Tr.
Brussels	1009.5	WSW	2	r₀r₀	36	1018.7	W	2	b	28	37	27	1.1	?
Berlin	1008.4	SW	2	f	36	1009.7	NW	1	s₀s₀	34	36	32	-	4
Zürich						1016.4	N	1	ss	32		32		6
Rome	992.3	N	1	c	50	992.0	NW	3	o	50				

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.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Monday 23rd February 1931.
No. 25295

OBSERVATIONS at 13h. G.M.T. 22nd 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)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1019·8	-8	SW	3	bc	44	65	6	7	—	—	4-6	4-6	2500
	Croydon ...	1019·7	-4	WSW	3	bc	46	65	6	7	—	—	4-6	4-6	2500
	S. Farnborough	1019·1	-6	W	3	c	43	65	8	2	3	—	7-8	7-8	2500
	Winchester ...	1019·7	-6	W	4	bc	44	55	8	7	—	1	4-6	4-6	4000
	Boscombe Down	1019·8	0	W	4	c	45	65	8	8	3	—	7-8	9	2500
	Calshot, S'thmtn	1020·1	+2	SW	3	bc	50	55	8	8	—	1	4-6	4-6	4000
	Dungeness ...	*	*	SW	4	bc	*	*	7	1	6	*	4-6	7-8	4000
	Lympne ...	1019·7	-2	WSW	3	bc	46	55	7	1	3	—	4-6	4-6	2500
2	Shoeburyness	1019·9	0	WSW	3	bc	44	65	7	1	6	—	1	2-3	5700
	Felixstowe ...	1019·5	0	WSW	3	bc	45	65	8	1	—	—	4-6	4-6	4000
	Gorleston ...	1018·5	-4	SW'W	2	bc	47	75	7	9	6	—	2-3	4-6	2500
	Cranwell ...	1017·8	+2	SW	3	bc	45	65	7	1	3	1	Tr	2-3	4000
3	Cardington ...	1019·0	+2	WSW	3	c	47	55	8	1	—	1	4-6	7-8	5700
	Birmingham ...	1018·6	+2	WSW	2	c	42	65	8	5	—	—	7-8	7-8	4000
	Upper Heyford	1019·1	0	SSW	3	c	45	65	8	1	—	—	7-8	7-8	4000
	Leafield ...	1018·5	+6	W	3	c	42	65	7	1	—	1	7-8	7-8	5700
4	Ross-on-Wye ...	1018·2	+8	W'S	3	c	49	55	9	8	—	1	7-8	7-8	4000
5	Portland Bill...	1020·4	+4	W	3	bc	47	75	8	2	4	—	2-3	2-3	2500
	Plymouth ...	1020·9	-2	SW	3	pr	45	75	8	3	3	—	4-6	7-8	2500
	Falmouth ...	1021·0	+2	W	4	bc	46	85	8	2	6	—	4-6	4-6	4000
	Scilly (St. Mary's)	1021·3	0	W	4	bc	48	85	8	1	—	—	4-6	4-6	4000
	Guernsey ...	1021·9	+2	W	2	bc	48	65	9	8	3	—	4-6	4-6	2500
6	Pembroke ...	1018·2	0	W	4	bc	46	85	8	1	8	9	2-3	4-6	2500
7	Holyhead ...	1016·4	+2	SW'W	5	bc	46	75	8	4	8	2	1	4-6	2500
	Chester (Sealand)	1017·0	+2	W'S	3	bc	46	55	9	1	—	1	4-6	4-6	4000
8	L'pool (Bidston)	1016·8	+6	W'S	3	bc	43	65	8	8	—	—	2-3	2-3	4000
9	Harrogate ...	1015·3	+6	S	3	c	43	75	7	3	—	—	7-8	7-8	4000
10	Spurn Head ...	1016·6	+2	W'S	3	bc	44	75	7	—	1	—	0	2-3	—
	Tynemouth ...	1013·6	+2	W	3	bc	45	65	6	2	—	—	4-6	4-6	2500
11	Inchkeith ...	1010·8	+4	SW	3	c	40	85	7	5	1	—	2-3	9+	5700
	Leuchars ...	1010·4	0	SW	4	c	38	85	6	5	—	1	7-8	9+	2500
12	Renfrew ...	1010·8	-6	SW	4	ir₀	40	95	6	6	2	—	7-8	10	1500
	Eskdalemuir ...	1012·4	-6	WSW	W	c	37	85	8	8	1	—	4-6	10	1500
13A	Tiree ...	1009·2	+20	WNW	4	c/pr	41	75	9	8	3	8	1	7-8	1500
13B	Stornoway ...	1007·5	+20	W	1	c	36	95	8	4	7	—	4-6	7-8	4000
15	Dalwhinnie ...	1008·2	-4	W	4	c	33	95	7	8	1	-	4-6	9	2500
	Aberdeen ...	1009·0	+4	SSW	3	c	41	55	8	—	7	—	0	7-8	—
	Wick ...	1007·0	+10	SW	3	bc	38	95	8	8	1	—	4-6	4-6	2500
16	Lerwick ...	1004·4	+26	W'N	3	psh	38	85	7	8	—	—	7-8	7-8	1500
17	Blacksod Point	1013·9	+4	WNW	4	c	46	85	8	3	—	—	7-8	7-8	800
18	Malin Head ...	1010·3	+8	WSW	4	c/ph(r)	43	95	7	9	6	—	4-6	7-8	1500
	Aldergrove ...	1013·2	-4	SSW	5	c	42	85	7	5	7	—	4-6	7-8	2500
	Donaghadee ...	1012·5	-4	W	2	bc	42	85	7	5	3	—	4-6	4-6	2500
19	Birr Castle ...	1016·5	-4	SW	3	pr	43	85	7	9	—	—	9+	9+	2500
20	Valentia Obsy.	1018·6	-2	W	4	c	47	75	8	8	—	—	7-8	7-8	1500
	Roches Point...	1018·2	-2	W	3	bc	47	75	8	3	—	—	4-6	4-6	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	1020·0	0	SW'S	2	m	40	75	4	7	—	6	2-3	4-6	2500	1	*
Croydon	1019·8	+4	S'W	3	c/pr	41	75	5	8	—	1	7-8	7-8	1500	1	*
S. Farnborough	1019·6	+4	SW	2	bc	40	75	7	7	8	—	4-6	4-6	2500	1	*
Winchester	1020·3	+10	WSW	1	c	39	85	8	8	—	—	7-8	7-8	2500	1	*
Boscombe Down	1020·1	+6	W'S	2	bc	38	85	8	7	—	8	2-3	4-6	2500	1	*
Calshot, S'thmtn	1020·3	+6	SW'S	3	pr	42	85	8	8	—	—	4-6	4-6	2500	0	2
Dungeness	*	*	SW	3	bc	*	*	7	7	—	*	4-6	4-6	4000	*	2
Lympne	1020·2	+6	SW'W	3	bc	38	85	6	4	—	—	4-6	4-6	4000	1	*
Shoeburyness	1020·3	+6	WSW	1	bc	39	75	5	—	8	—	0	2-3	—	0	*
Felixstowe	1019·7	+2	SW	1	z	39	85	5	—	—	8	0	1	—	0	0
Gorleston	1019·0	+4	—	0	bc	41	75	6	—	4	—	0	2-3	—	0	2
Cranwell	1018·1	+2	S'E	3	bc	37	85	6	4	3	—	2-3	2-3	5700	1	
Cardington	1019·1	+4	SW'S	3	bc	35	85	7	7	—	1	2-3	2-3	4000	1	*
Birmingham	1018·0	0	SW	2	bc	42	65	8	6	—	2	1	4-6	1500	1	*
Upper Heyford	1019·4	+6	S	2	c	39	85	7	4	—	—	7-8	7-8	4000	1	*
Leafield	1018·6	+6	SW	2	c	40	75	8	8	—	1	9	9	4000	1	*
Ross-on-Wye	1018·7	+6	W'S	3	bc	42	75	8	8	1	1	2-3	4-6	4000	1	*
Portland Bill	1020·1	+2	WSW	3	bc	46	75	8	4	5	—	2-3	4-6	2500	1	2
Plymouth	1021·2	+8	NW	3	c	45	75	8	3	3	—	4-6	7-8	4000	1	2
Falmouth	1021·5	+4	WSW	3	c/pr	43	85	8	3	8	—	4-6	7-8	4000	1	2
Scilly (St. Mary's)	1021·9	+4	W	4	bc	45	85	8	1	6	—	2-3	4-6	4000	0	2
Guernsey	1021·8	+4	W	1	bc	44	75	9	5	—	—	4-6	4-6	2500	0	2
Pembroke	1018·4	+4	W	4	bc	45	95	8	1	8	—	2-3	4-6	2500	0	2
Holyhead	1016·0	0	WSW	4	c	44	85	7	5	~~2~~	2	4-6	9+	2500	1	2
Chester (Sealand)	1016·9	+2	—	0	bc	43	65	8	7	7	9	2-3	4-6	4000	0	*
L'pool (Bidston)	1015·9	0	SW	4	bc	42	75	8	5	—	—	4-6	4-6	4000	0	*
Harrogate	1015·4	0	S	3	c	40	75	7	—	7	—	0	9	—	1	*
Spurn Head	1016·6	0	SW'S	3	c	40	85	6	4	1	1	2-3	7-8	4000	0	3
Tynemouth	1013·0	-4	WSW	2	o	42	85	6	6	—	—	10	10	1500	0	1
Inchkeith	1011·0	+6	WSW	3	c	39	95	6	5	2	—	2-3	10	1500	0	1
Leuchars	1011·0	+10	WSW	2	c	35	95	6	5	9	1	4-6	9+	2500	1	*
Renfrew	1012·6	+14	W'N	3	bc	37	95	7	8	3	—	4-6	4-6	2500	1	*
Eskdalemuir	1012·7	+10	W	4	r₀s₀	36	85	7	6	2	—	7-8	10	800	3	*
Tiree	1012·3	+22	NW'W	2	bc	38	75	9	8	—	8	Tr	2-3	1500	1	2
Stornoway	1010·2	+18	SW	2	bc	32	85	8	7	—	—	2-3	2-3	4000	7	1
Dalwhinnie	1011·9	+30	NW	1	c	32	95	7	5	-	1	7-8	7-8	2500	9	
Aberdeen	1010·4	+18	NW	4	c	36	85	8	8	7	—	2-3	7-8	2500	1	1
Wick	1009·5	+18	WNW	2	bc	30	95	8	8	1	8	4-6	4-6	2500	7	2
Lerwick	1007·4	+14	—	0	ss	32	95	4	6	—	—	10	10	1500	7	*
Blacksod Point	1015·6	+8	WNW	4	c	42	85	8	3	—	—	7-8	7-8	800	1	3
Malin Head	1013·0	+12	W	3	bcjp	41	95	8	8	3	—	4-6	4-6	2500	1	2
Aldergrove	1014·7	+18	WSW	2	c/pr	39	95	8	6	—	8	7-8	9	1500	1	*
Donaghadee	1014·1	+10	W	2	cjp	40	85	7	5	—	—	7-8	7-8	2500	0	1
Birr Castle	1016·7	+6	SW	1	c/pr	42	85	8	3	—	1	4-6	7-8	2500	1	*
Valentia Obsy.	1019·2	+6	W'N	3	bc/pr	44	85	8	8	—	—	4-6	4-6	1500	1	3
Roches Point	1018·3	+4	NW	4	bc	46	65	8	3	—	—	4-6	4-6	1500	0	2

PAST 24 HOURS. WEATHER.

Stations	7h.–13h. 22nd (37)	13h.–18h. 22nd (38)	18h. 22nd to 1h. 23rd (39)	1h.–7h. 23rd (40)
London (Kew)	bmxbcz	bcxbcm	bcmbm₀x	bm₀xcm₀
Croydon	bcm₀bcz	bczpr₀cm	cbcm₀wb	bwbccm₀
S. Farnborough	bcxmbcc	cvpr₀h₀bc	bczbx	bxcx
Winchester	bcxmbc	bcyPHpr	bc	bxbcx
Boscombe Down	bcm₀c	bcph₀r₀	bc	bc
Calshot, S'thmtn	bcx	bcypr₀ph₀	bcbbcwmb	bwbzbc
Dungeness	bc	bc	*	bc
Lympne	bm₀bcy	bc	bwx	bwbcx
Shoeburyness	bm₀xb	bbm₀	bm₀x	bcm₀cpr₀
Felixstowe	bxzbbc	czbcx	bcz₀	bcrm₀
Gorleston	bcxbbc	bcm₀	bcbm₀m	bm₀xcpr₀
Cranwell	bcm₀b	bbcm₀	bcm₀	bcm₀w
Cardington	bxbc	bcyep₀	bbcx	bcb
Birmingham	bbc	cbc	bc	bc
Upper Heyford	bcxm₀c	cbcpr₀c	cbcb	bbccm₀x
Leafield	bcbbc	bcc	bcw	bcx
Ross-on-Wye	bcbbcc	cxy	bcc	cp₀bc
Portland Bill	bc	bc	bbc	bc
Plymouth	bm₀cPR	bccprbcr	bcb	bwc
Falmouth	bc	bccp	cp₀bc	bcP
Scilly (St. Mary's)	bcp	bc	cpbc	bcp
Guernsey	bc	bc	bcb	bccpr
Pembroke	bc	bc	bc	bc
Holyhead	bbc	bcc	cbc	bcc
Chester (Sealand)	bbcvy	bcvy	bcpr₀	bcmx
L'pool (Bidston)	bbcb	bbc	bcc	cprbc
Harrogate	bbcc	pbcc	ciRr	cbcx
Spurn Head	bc	bcc	cpr₀	bcx
Tynemouth	bcb	bco	oir₀obc	bc
Inchkeith	bcc	c	bcm₀	m₀bccor₀
Leuchars	bccxm₀	cm₀id₀	cm₀bx	bxcxps₀
Renfrew	bcxs₀c	cir₀bc	bcbx	bxcrs
Eskdalemuir	bcos₀c	cir₀s₀	bx	bxos₀
Tiree	phsPRbc	cpr₀bc	bprq	Pqc
Stornoway	cps	bc	bcPS	cbc
Dalwhinnie	bcs/c	psbcc	cbc	bcc
Aberdeen	bc	ccrsc	b	b₀
Wick	bccis	bc	bcc	cbc
Lerwick	osscpsh	cpshoss	ossmcps	bcps
Blacksod Point	phrqc	prc	prc	prc
Malin Head	bccPR	cjpbc	bcjpbcir₀	bccprc
Aldergrove	bc	bccqpr	cpr₀bc	bcx
Donaghadee	bc	bcc	bcpr₀bcb	bbcx
Birr Castle	bcpr	cpr	cbc	bcr₀bcx
Valentia Obsy.	bccpbcd	cpcpbcpbc	pr₀	pr₀bc
Roches Point	bc	pbbc	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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus, R, heavy rain. r₀, slight rain. rr, continuous rain.
<. less than (for cloud height).
⊕, solar halo. ⊕, lunar halo.
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.

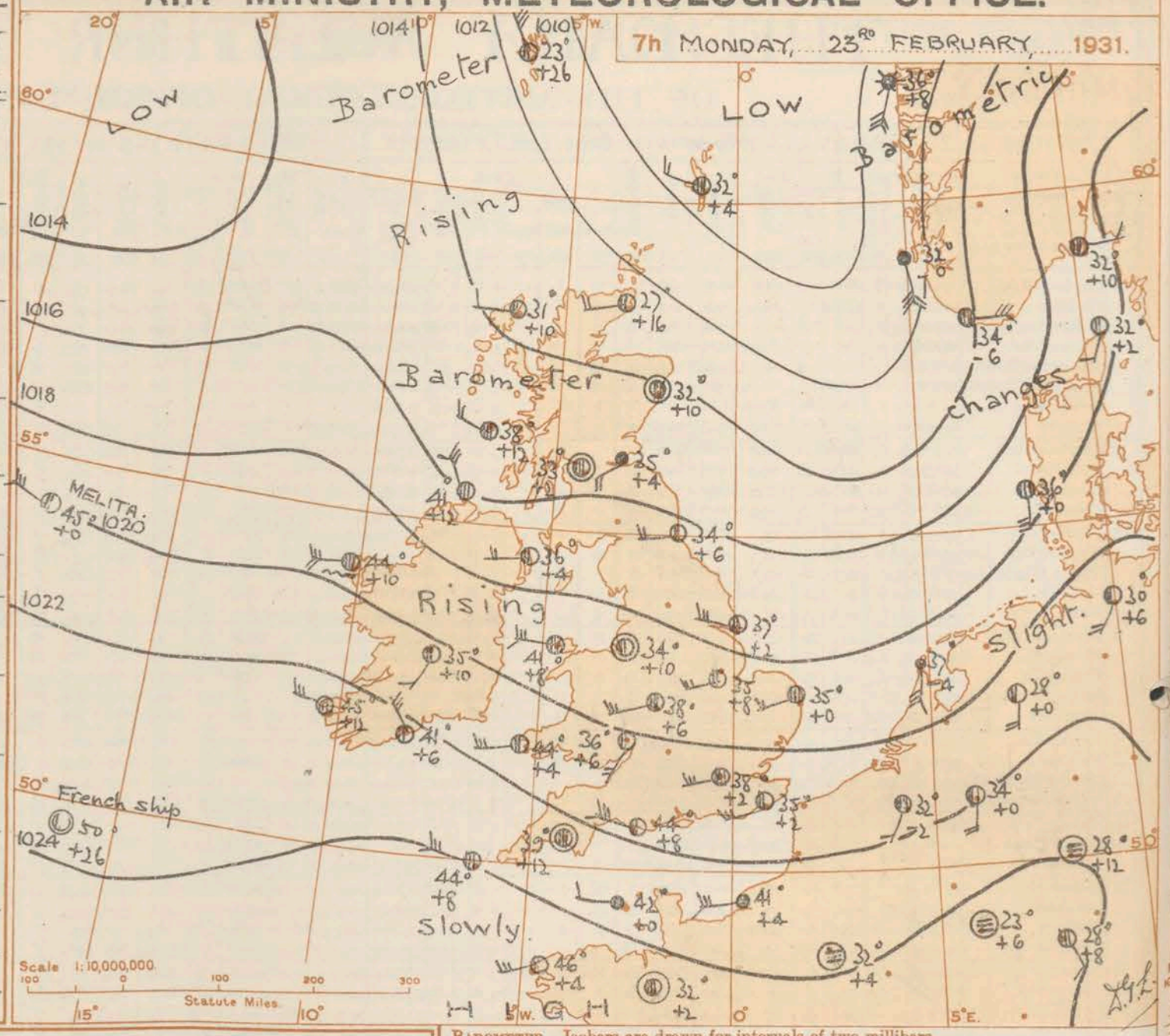
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 22nd February ... 1931.

Districts	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 21/47 to 9h. 22nd	Temperature. Max. 9h.—17h. 22nd	Rainfall. Night. 17h. 21/47 to 9h. 22nd	Rainfall. Day. 9h.—17h. 22nd	Sunshine. Sunrise to 17h. 22nd	Sunshine. Sunrise to Sunset. 21/47
1	Tunbridge W.	bbc	bc	23	46	Tr.	—	7·3	4·5
	Bournemouth	bbc	bc	30	50	—	—	6·8	8·7
	Ventnor ...	zbz	bbcp	36	49	—	Tr.	7·9	7·8
	Southsea ...	b	bbc	33	51	—	—	6·8	6·5
	Bognor Regis	bc	bcprb	31	47	—	Tr.	6·6	6·7
	Littlehampton	bc	bcp	28	46	—	0·3	5·7	7·1
	Worthing ...	bcr	bc	31	48	—	Tr.	6·5	6·7
	Brighton ...	bc	bcc	31	46	—	—	6·6	6·5
	Eastbourne†	b	bbc	32	47	—	—	9·2	5·6
	Hastings† ...	xbbc	bc	32	47	—	—	8·8	5·2
	Folkestone ...	xbz	bbc	32	47	—	—	8·7	3·1
	Dover... ...	mb	bbc	31	47	—	—	8·7	3·0
	Deal	b	b	32	47	—	—	8·7	2·7
	Ramsgate ...	b	b	32	46	—	—	8·3	3·4
	Margate ...	bc	bc	32	46	—	—	7·5	3·9
2	Southend ...	b	bbc	31	47	—	—	7·9	4·2
	Maldon ...	b	bc	30	47	—	—	6·7	4·4
	Clacton-on-Sea	bbcz	bczm	30	45	—	—	7·7	4·4
	Dovercourt ...	xb	bc	31	44	—	—	8·0	4·0
	Lowestoft ...	b	bcb	29	44	—	—	8·5	3·1
	Skegness ...	bcb	bbc	29	46	Tr.	—	7·1	5·0
	Mablethorpe	bbcbz	bbcz	29	46	—	—	8·6	5·5
	Cleethorpes ...	b	b	30	47	—	—	7·2	5·2
3	Leamington S.	bcb	bbc	28	46	—	—	6·0	5·8
4	Cheltenham†	bbc	bc	31	47	—	—	7·4	5·4
5	Bath	bbc	bcb	28	48	—	—	7·9	8·4
	Weymouth ...	b	bbcb	30	51	—	—	7·7	8·8
	Jersey ...	bc	bcp	39	47	—	1	7·8	7·8
	Torquay ...	pb	bbcb	31	51	1	—	7·6	8·3
	Penzance ...	b	bcpr	37	51	1	0·2	7·1	7·8
	St. Ives ...	b	b	40	48	1	—	7·2	7·9
	Bude	bc	bcbs	40	49	—	—	5·3	8·2
	Ilfracombe ...								
6	Aberystwyth	bc	bc	39	45	—	—	8·0	7·0
7	Llandudno ...	bbc	bc	38	47	—	—	7·9	7·0
	Colwyn Bay...	b	bbcb	27	48	—	—	7·4	6·9
	Rhyl								
8	Wallasey ...	b	bbcb	35	47	—	—	7·5	6·8
	Southport‖ ...	bcbbc	bco	38	46	1	—	6·8	7·8
	Blackpool ...	cbc	bcco	37	46	1	—	4·9	7·4
	Morecambe ...	dpcbc	b	36	45	0·3	—	5·0	7·5
9	Ilkley... ...	bcdb	bbc	30	45	1	Tr.	4·2	6·6
10	Berwick-on-T.	bc	bcco	31	42	—	—	5·4	7·1
11	Dunbar ...	bc	bc	31	43	—	—	5·8	7·0
12	Douglas ...	xbcb	bcbp	35	46	—	—	5·1	8·1

† 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. 23rd Feb., 1931.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Light or moderate westerly wind; fair; rather mild during day.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Light or moderate westerly wind; fair apart from a few scattered showers; rather mild.
10. N.E. England	As 1 - 4.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Light or moderate westerly wind, backing later; variable sky, local wintry showers: perhaps slight rain later; becoming somewhat milder.
13. A. W. Scotld. B. N.W. Scotland.	Wind backing southwest and freshening: local wintry showers at first, occasional rain later: becoming milder.
14. Mid-Scotland 15. N.E. Scotland	As 11 - 12.
16. Orkneys and Shetlands.	Light or moderate northwest wind, backing later; snow showers, bright intervals: cold.
17. N.W. Ireland	As 13.
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 5 - 9.

H.M. Stationery Office Press, Kingsway, W.C.2 Pa. 2499/2/85 m. 26 g 6026 4o 508 28280 2/31

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with the wind. Number of feathers indicate Beaufort force. Calm. = ⊙
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :—
○ Clear sky. ◐ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 7/10 to 9/10 clouded. ● Overcast sky.
● Rain falling. ✱ Snow. ▲ 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 to southward of the British Isles and a small depression forming off Southwest Iceland is likely to move eastward slowly. Weather will be fair apart from local showers in the North and West.

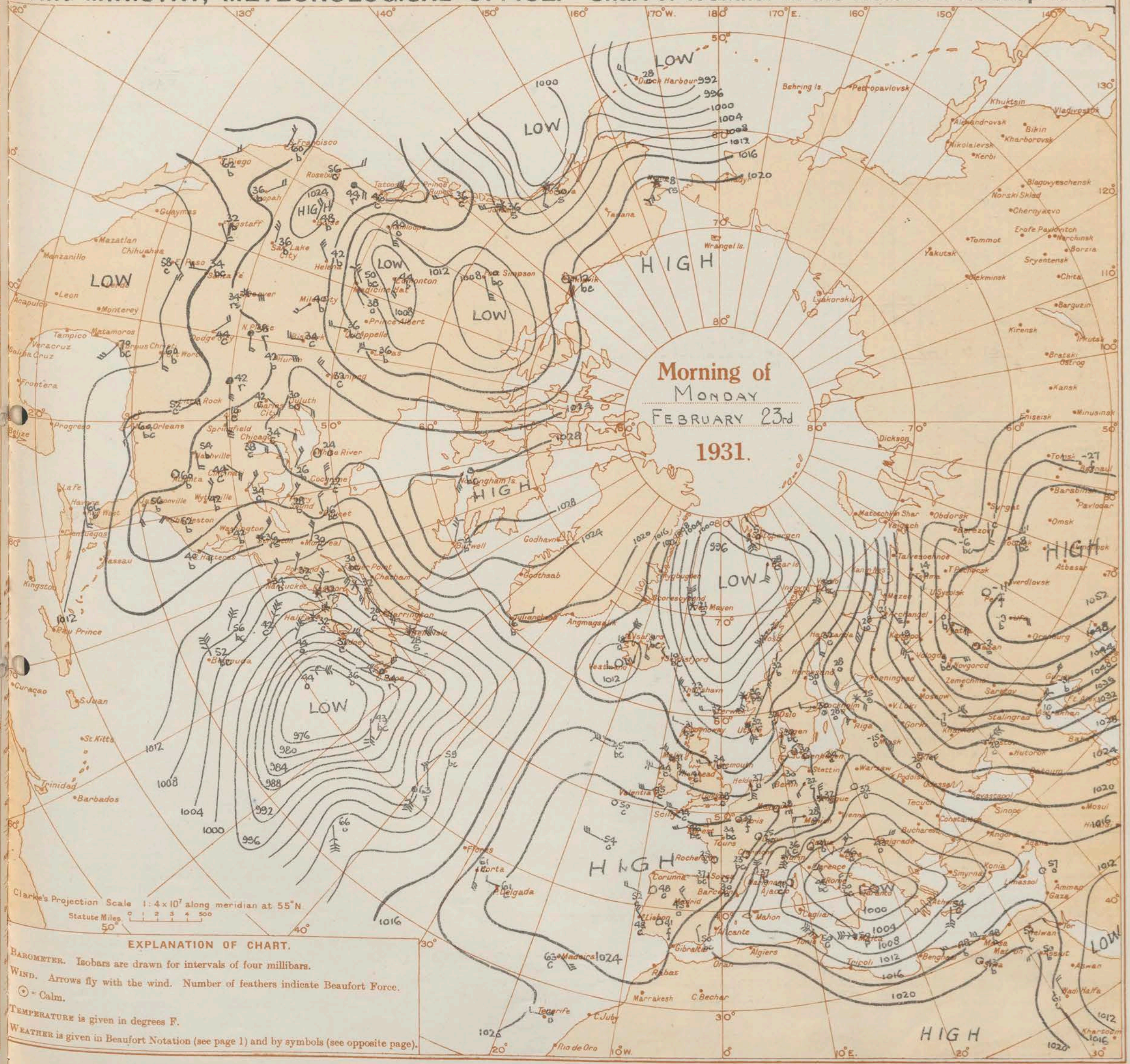
FURTHER OUTLOOK.

Rather unsettled in the North; mainly fair in the South; milder generally.

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, 23rd February 1931.

No. 25295

OBSERVATIONS at 1 hr. G.M.T. 23rd 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	1020.5	+4	WSW	3	b	39	85	7	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1020.7	+2	W'S	3	b	37	85	8	-	-	-	0	0	-
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1020.6	+4	W'N	2	b	35	95	8	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1019.7	-2	SW'W	2	b	35	95	6	-	-	-	0	0	-
	Cranwell	240	1017.8	0	SW	3	c	38	85	7	5	5	-	4-6	7-8	4000
3	Cardington	109	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1021.0	+4	W	4	bc	44	85	8	4	-	-	2-3	2-3	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1022.5	+4	W'S	3	bc	41	95	8	2	-	-	2-3	2-3	4000
	Scilly (St. Mary's)	163	1022.9	+10	WNW	4	bc	45	95	8	2	-	-	2-3	2-3	4000
	Guernsey	175	1022.4	0	-	0	b	41	95	9	-	-	-	0	0	-
6	Pembroke	142	1019.7	+6	W	4	bc	45	95	8	1	8	-	2-3	4-6	2500
7	Holyhead	26	1017.4	+10	W'N	4	bc	42	85	7	5	3	-	4-6	4-6	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1015.8	0	W'S	4	ir0	38	95	6	6	2	-	7-8	10	2500
	Tynemouth	67	1015.1	+12	W	2	bc	36	95	7	5	-	-	2-3	2-3	1500
11	Inchkeith	190	1014.6	+14	SW	2	m0	35	95	5	5	-	-	2-3	2-3	2500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1010.5	+4	W	3	c	35	95	7	4	1	-	4-6	10	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1011.3	0	SW	2	c	32	95	8	8	1	-	4-6	7-8	1500
16	Lerwick	54	1008.8	0	-	0	0	31	75	7	6	-	-	10	10	1500
17	Blacksod Point	18	1017.9	+6	WNW	3	bc	43	85	7	3	-	-	4-6	4-6	1500
18	Malin Head	52	1014.9	+4	SSW	3	bc/r	39	95	7	6	-	-	2-3	2-3	2500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1020.8	+14	W	2	bc	44	95	8	4	-	-	2-3	2-3	2500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	1020.5	+2	SW'S	2	c	35	95	6	-	3	8	0	9	-	1	*
Croydon	1020.5	+2	W'S	3	3	38	95	6	4	-	-	7-8	7-8	2500	1	*
S. Farnborough	1020.3	+2	WSW	1	c	36	95	7	5	-	1	9	9	4000	1	*
Winchester	1021.2	0	S	1	m0	31	95	5	7	-	6	2-3	4-6	4000	4	*
Boscombe Down	1021.5	+2	W	3	bc	34	95	7	-	7	-	0	4-6	-	4	*
Calshot (S'thmtn)	1021.0	+2	W'S	2	bc	36	95	7	7	5	-	4-6	4-6	4000	0	0
Dungeness	*	*	WSW	2	bc	*	*	7	5	1	*	4-6	4-6	2500	*	1
Lympne	1020.5	+2	W'S	3	bc	35	95	8	5	-	1	4-6	4-6	4000	1	*
Shoeburyness	1020.1	0	WSW	2	c/pr	36	95	6	4	2	-	4-6	7-8	4000	0	*
Felixstowe	1023.2	0	W'S	2	3	35	95	6	5	2	-	7-8	10	4000	1	2
Gorleston	1018.8	0	WSW	2	c	35	95	6	6	2	-	2-3	10	2500	1	2
Cranwell	1018.8	+8	WSW	3	bc	35	95	6	5	2	8	1	4-6	4000	1	*
Cardington	1019.9	+2	WSW	3	c	35	95	6	4	6	1	4-6	7-8	5700	4	*
Birmingham	1019.8	+6	W	3	c	38	95	7	-	7	8	0	7-8	-	1	*
Upper Heyford	1020.6	0	SW	2	3	35	95	6	5	2	-	7-8	10	4000	1	*
Leafield	1020.2	+6	WSW	2	c	35	95	6	5	7	-	4-6	7-8	5700	1	*
Ross-on-Wye	1020.2	+6	SW	2	bc	36	95	8	5	-	2	2-3	4-6	2500	1	*
Portland Bill	1021.3	+8	WNW	4	bc	44	85	8	4	4	-	4-6	4-6	2500	1	3
Plymouth	1022.7	+12	-	0	c	39	95	8	3	-	-	7-8	7-8	2500	1	0
Falmouth	1023.6	+6	W	4	bc	42	95	8	8	4	-	2-3	4-6	4000	1	1
Scilly (St. Mary's)	1024.3	+8	WNW	4	c	44	85	8	8	3	4	4-6	7-8	4000	1	2
Guernsey	1022.4	0	W	1	pr	42	85	9	9	-	-	4-6	4-6	2500	1	2
Pembroke	1020.4	+4	W	3	bc	44	95	8	7	4	-	4-6	4-6	2500	0	2
Holyhead	1019.0	+8	W'N	4	c	41	95	8	5	3	2	1	7-8	1500	1	2
Chester (Sealand)	1019.3	+10	-	0	bc	34	95	6	5	-	1	2-3	2-3	1200	0	*
L'pool (Bidston)	1018.8	+8	WSW	4	bc	39	95	7	5	-	-	4-6	4-6	2500	0	*
Harrogate	1017.9	+6	SSW	2	c	33	95	9	-	1	8	0	2	-	4	*
Spurn Head	1017.1	+2	W'N	3	bc	37	95	6	5	1	8	2-3	4-6	1500	5	3
Tynemouth	1016.1	+6	W	2	bc	34	95	6	2	-	-	4-6	4-6	2500	4	2
Inchkeith	1015.8	+4	SW	2	r0r	35	95	6	6	-	-	10	10	800	1	1
Leuchars	1015.2	+2	WSW	2	c/ps	32	85	7	4	3	-	7-8	9+	4000	4	*
Renfrew	1016.0	+2	-	0	3	33	95	6	5	2	-	9	10	2500	5	*
Eskdalemuir	1016.8	0	S'W	1	s0s0	29	95	7	6	-	-	10	10	800	8	*
Tiree	1015.3	+12	W'N	2	c	38	85	9	1	3	8	Tr.	9+	2500	1	2
Stornoway	1013.3	+10	W	1	bc	31	95	7	7	6	-	2-3	4-6	4000	8	1
Dalwhinnie	1015.3	+6	NNE	1	c	29	95	8	5	5	-	4-6	7-8	2500	9	*
Aberdeen	1014.4	+10	-	0	0	32	85	6	6	-	-	10	10	2500	4	1
Wick	1012.7	+16	WSW	2	bc	27	95	8	3	7	-	2-3	4-6	2500	5	2
Lerwick	1009.9	+14	W'N	2	c	32	75	7	8	1	-	4-6	7-8	1500	8	*
Blacksod Point	1019.5	+10	W	5	c	44	85	7	3	-	-	9+	9+	<150	1	4
Malin Head	1015.9	+12	NW'N	4	c/p	41	95	8	8	-	-	7-8	7-8	2500	1	2
Aldergrove	1017.8	+6	SSW	3	c	35	95	7	5	7	8	4-6	9+	1500	1	*
Donaghadee	1016.9	+4	W	2	bc	36	95	7	5	-	-	4-6	4-6	2500	0	1
Birr Castle	1020.8	+10	SW	1	bc	35	95	8	5	-	-	4-6	4-6	4000	1	*
Valentia Obsy.†	1023.6	+12	W'N	3	c	45	75	8	8	-	-	7-8	7-8	1500	1	*
Roches Point	1022.5	+6	NW	3	bc	41	85	8	3	-	-	2-3	2-3	1500	0	2

PAST 24 HOURS.

Stations	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 22nd Hrs. (36)
London (Kew)	45	34	25	—	Tr.	5.6
Croydon	47	35	30	Tr.	-	5.8
S. Farnborough	48	30	19	Tr.	Tr.	4.6
Winchester	48	30	23	0.6	-	6.2
Boscombe Down	48	32	25	Tr.	Tr.	*
Calshot (S'thmtn)	50	34	27	0.1	-	7.2
Dungeness	46	32	*	—	-	*
Lympne	47	34	27	Tr.	0.1	7.9
Shoeburyness	47	33	24	—	Tr.	7.5
Felixstowe	45	34	25	Tr.	0.2	7.2
Gorleston	47	34	29	—	Tr.	7.0
Cranwell	46	34	30	—	-	7.8
Cardington	47	33	29	0.1	Tr.	5.3
Birmingham	46	36	34	—	-	6.3
Upper Heyford	46	33	28	Tr.	-	*
Leafield	43	33	29	—	-	6.1
Ross-on-Wye	49	36	27	—	0.1	5.8
Portland Bill	48	43	*	—	-	*
Plymouth	49	39	34	1	Tr.	5.3
Falmouth	49	40	*	0.3	0.2	5.1
Scilly (St. Mary's)	49	42	*	1	0.3	8.2
Guernsey	48	40	28	—	1	8.6
Pembroke	47	43	*	—	-	7.4
Holyhead	47	41	37	—	-	6.9
Chester (Sealand)	48	34	27	—	Tr.	7.6
L'pool (Bidston)	45	38	35	—	0.1	8.3
Harrogate	43	32	25	Tr.	3	4.7
Spurn Head	45	36	*	—	Tr.	7.3
Tynemouth	46	32	24	—	1	*
Inchkeith	41	34	31	—	1	3.3
Leuchars	40	28	22	Tr.	Tr.	2.7
Renfrew	41	25	18	0.3	2	1.5
Eskdalemuir	38	28	22	1	1	0.7
Tiree	43	31	29	3	2	4.1
Stornoway	38	30	*	3	2	2.5
Dalwhinnie	34	9	4	3	-	0.9
Aberdeen	42	28	20	0.2	-	4.0
Wick	35	23	*	0.5	-	*
Lerwick	35	29	*	9	2	4.2
Blacksod Point	48	40	*	3	2	*
Malin Head	44	38	*	4	3	2.1
Aldergrove	42	33	20	1	Tr.	0.6
Donaghadee	45	33	*	—	0.2	*
Birr Castle	47	35	28	1	Tr.	4.3
Valentia Obsy.†	48	42	36	2	0.3	5.5
Roches Point	47	37	*	Tr.	-	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations.

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	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	bmxbc3	bc3bcm	bmxc	45	34	25	-	Tr.	5.6	*	*	5
Croydon	217	bcmb3	bc3r,cm	bcwm	47	35	30	Tr.	-	5.8	*	*	6
Greenwich (Royal Observatory)	149	bmcb3	b3bcy	bncm	48	35	23	-	Tr.	5.9	56	86	3
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	4.9	*	*	*
Westminster (St. James' Park)	27	*	*	*	47	33	26	-	-	5.8	57	91	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	4.1	*	*	*
Camden Square	110	xbc	cb	*	46	35	28	-	-	*	*	91	*
Kensington Palace	80	bcom	bm	*	48	35	28	-	-	*	At 18h. 68	91	*
Hampstead Observatory	450	bmbcm	bm	*	45	37	31	-	Tr.	5.0	*	91	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 23rd

South Kensington Max.	Time.	Min.	Time.	Kew Observatory Max.	Time.	Min.	Time.
1.0	18h 22nd	<0.3	2h-5h 23rd	0.7	15h 22nd	0.1	4h 23rd

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 22nd FEBRUARY Barom. mb.	Wind. Direc.	Wind. Force.	Weather	Temp. °F.	7h. G.M.T. 23rd 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	1022.7	WNW	1	b	41	1023.9	-	0	c	37	46	36	-	-
Brussels	1021.8	W	1	b	34	1022.9	SSW	1	b	32	43	30	-	-
Berlin	1015.5	N	1	rs	34	1019.8	SW	2	c	32	36	32	3	1
Zürich						1023.6	N	1	m	25		23		0.1
Rome						1001.9	NNW	2	bc	46		45		-

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	Objects not visible at	55 yards.
1 Thick fog		220 "
2 Fog		550 "
3 Moderate fog		1,100 "
4 Mist or haze		1¼ miles.
5 Poor visibility		2¼ "
6 Moderate "		6¼ "
7 Good "		12½ "
8 Very good "		31 "
9 Excellent "		beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

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

† 1 hr observations are from Valentia W/T station

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 24th February 1931.

No. 25296

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)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	1020.9	-4	WNW	3	c	46	65	6	2	-	6	4-6	7-8	4000
	Croydon	1021.2	0	NWW	3	z	46	65	6	8	3	-	7-8	9	2500
	S. Farnborough	1020.8	+2	WN	3	c	49	65	8	2	3	3	9	9+	2500
	Winchester	1021.6	-2	NWW	3	c	45	75	7	7	-	6	4-6	9	2500
	Boscombe Down	1021.8	0	WNW	3	c	45	75	7	8	1	-	4-6	10	4000
	Calshot, S'thmtn	1021.7	-2	WNW	4	c	47	65	8	8	2	6	4-6	9+	4000
	Dungeness	*	*	WSW	3	z	*	*	5	4	6	-	4-6	7-8	4000
	Lympne	1020.2	-6	WNW	3	z	44	75	6	7	3	-	9	9+	4000
2	Shoeburyness	1020.4	0	WNW	2	z	46	85	6	5	2	-	7-8	10	5700
	Felixstowe	1020.6	+2	WNW	2	c	43	75	7	5	3	4	4-6	7-8	4000
	Gorleston	1019.2	+4	WNW	3	c	46	75	6	9	-	-	7-8	7-8	1500
	Cranwell	1019.5	+2	WS	4	c	44	75	6	8	-	-	10	10	2500
3	Cardington	1020.5	0	WNW	3	c	46	65	7	8	-	8	7-8	9	4000
	Birmingham	1020.4	+6	WNW	3	c	44	75	7	5	4	-	7-8	9	2500
	Upper Heyford	1021.1	+6	WNW	4	c	45	65	8	7	-	8	7-8	7-8	2600
	Leafield	1020.7	+12	NWW	4	c	44	75	8	7	-	6	7-8	9	2500
4	Ross-on-Wye	1021.1	+4	WN	3	c	46	65	8	7	-	8	2-3	9+	4000
5	Portland Bill	1022.4	0	WN	4	c	45	85	8	8	4	-	4-6	7-8	2600
	Plymouth	1024.3	+4	NW	4	c	47	65	8	9	1	-	7-8	9+	2600
	Falmouth	1026.4	+4	NW	4	bc	47	75	8	8	-	1	4-6	4-6	4000
	Scilly (St. Mary's)	1026.2	+10	NW	4	c	49	75	8	8	-	8	4-6	9	4000
	Guernsey	1024.3	+6	NW	4	pr	47	65	7	6	-	-	10	10	1500
6	Pembroke	1023.2	+2	NW	3	c	46	95	8	1	6	9	2-3	7-8	4000
7	Holyhead	1020.5	+6	WNW	5	bc/pr	45	85	8	1	3	9	1	4-6	2500
	Chester (Sealand)	1020.3	+6	WNW	5	c	46	75	8	7	7	2	2-3	7-8	2600
8	L'pool (Bidston)	1019.8	+6	WS	5	c	43	85	8	5	-	6	4-6	9	2500
9	Harrogate	1018.1	0	WS	2	bc	42	85	8	3	-	-	9+	9+	2600
10	Spurn Head	1018.2	0	W	3	m	41	85	4	5	2	-	7-8	10	450
	Tynemouth	1017.0	+4	WNW	2	bc	42	85	7	2	-	-	4-6	4-6	2500
11	Inchkeith	1017.1	+8	W	3	bc	41	85	7	7	4	-	2-3	4-6	5700
	Leuchars	1017.5	+14	WSW	3	bc	41	75	8	1	7	-	1	2-3	2500
12	Renfrew	1018.9	+20	W	2	c	42	85	8	8	-	-	7-8	7-8	2500
	Eskdalemuir	1018.0	+10	N	1	c	38	85	8	5	-	1	4-6	7-8	1500
13A	Tiree	1018.9	+24	NW	3	b	43	85	9	5	4	8	tr	1	2600
13B	Stornoway	1017.5	+28	NE	2	bc/ps	35	95	8	8	6	-	4-6	4-6	4000
15	Dalwhinnie	1017.7	+6	W	2	c	35	75	8	-	6	-	0	7-8	-
	Aberdeen	1017.1	+14	NWW	2	b	41	65	8	8	3	-	1	1	2600
	Wick	1015.7	+10	WSW	2	c	36	85	8	8	7	-	4-6	7-8	1500
16	Lerwick	1013.6	+20	NW	2	bc	35	65	8	8	6	-	2-3	4-6	1600
17	Blacksod Point	1021.0	+12	W	5	c	45	75	8	3	-	-	7-8	7-8	1500
18	Malin Head	1019.2	+14	NW	3	pr	44	95	8	9	6	-	4-6	7-8	1500
	Aldergrove	1020.6	+10	WS	2	c	43	85	8	8	4	-	4-6	7-8	800
	Donaghadee	1019.0	+8	W	2	c	45	85	8	7	3	-	4-6	7-8	4000
19	Birr Castle	1023.4	+6	NW	2	c	47	75	8	8	3	-	7-8	9+	2500
20	Valentia Obsy.	1026.5	+10	W	3	c	46	75	8	5	-	1	7-8	7-8	2500
	Roches Point	1025.1	+6	NW	3	bc	47	75	8	3	-	-	4-6	4-6	1500

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)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
1	London (Kew)	1022.0	+10	WNW	2	bc	44	65	5	4	8	6	2-3	4-6	4000	1	*
	Croydon	1021.3	+6	WN	3	m	44	75	4	4	3	-	2-3	4-6	4000	1 (red: 01)	*
	S. Farnborough	1021.9	+14	-	0	c	41	85	7	5	-	-	9-	9+	4000	1	*
	Winchester	1022.7	+14	NWW	2	c/pr	42	85	7	5	-	-	9	9	4000	1	*
	Boscombe Down	1022.5	+8	NW	3	z	43	85	6	5	-	8	7-8	7-8	5700	1	*
	Calshot, S'thmtn	1022.2	+10	WS	3	bc	42	75	7	8	4	-	4-6	4-6	2600	0	1
	Dungeness	*	*	N	4	u	*	*	6	6	2	*	4-6	9	2600	*	2
	Lympne	1021.1	+10	NW	2	z	40	85	6	8	-	-	7-8	7-8	4000	1	*
2	Shoeburyness	1021.0	+6	WSW	2	bc/pr	38	95	7	8	8	-	2-3	4-6	5700	0	*
	Felixstowe	1020.8	+6	SWW	2	c	39	85	7	5	2	-	7-8	9	4000	1	1
	Gorleston	1019.5	+10	W	3	o	41	85	5	6	-	-	10	10	1500	1	1
	Cranwell	1020.3	+12	WN	3	bc	40	86	6	8	-	-	4-6	4-6	2600	1	*
3	Cardington	1021.3	+12	WNW	3	c/pr	43	76	7	8	-	-	9	9	2600	1	*
	Birmingham	1022.0	+14	NW	3	c	42	75	5	4	-	-	7-8	7-8	2600	1	*
	Upper Heyford	1022.3	+14	WNW	3	pr	42	85	8	8	7	-	7-8	9	1500	1	*
	Leafield	1022.1	+14	WNW	3	bc	40	75	8	5	6	8	2-3	4-6	2500	1	*
4	Ross-on-Wye	1022.5	+10	WN	2	bc	43	75	8	8	4	9	tr.	2-3	4000	1	*
5	Portland Bill	1023.0	+10	NWW	3	bc	46	65	8	4	4	-	2-3	2-3	2500	1	3
	Plymouth	1025.6	+14	NW	3	bc	45	85	7	3	-	9	1	2-3	4000	1	1
	Falmouth	1027.0	+8	NWW	3	c	45	75	8	8	-	1	~~7-8~~ 4-6	7-8	4000	0	1
	Scilly (St. Mary's)	1027.3	+4	NNW	4	c	46	86	8	7	-	-	7-8	7-8	4000	0	2
	Guernsey	1024.7	+10	NWS	3	bc	46	75	8	7	-	-	2-3	2-3	2500	1	2
6	Pembroke	1024.8	+10	WNW	4	c	45	95	8	1	7	2	2-3	7-8	4000	0	2
7	Holyhead	1022.4	+14	WN	4	c/jp	44	95	8	8	3	9	7-8	9	1500	1	2
	Chester (Sealand)	1022.4	+18	WNW	3	c	43	85	7	5	-	1	9	9+	2500	0	*
8	L'pool (Bidston)	1021.7	+10	W	4	bc	41	95	7	8	-	-	2-3	2-3	2500	0	*
9	Harrogate	1020.4	+14	W	2	bc	40	75	8	4	-	-	2-3	2-3	4000	1	*
10	Spurn Head	1019.6	+6	NW	3	bc	39	96	6	5	-	-	4-6	4-6	1500	1	3
	Tynemouth	1020.1	+20	NNW	1	bc	38	85	7	5	-	-	4-6	4-6	1500	1	1
11	Inchkeith	1020.8	+16	W	2	bc	40	95	7	1	8	-	2-3	4-6	4000	0	1
	Leuchars	1020.1	+22	WNW	3	bc	36	86	8	7	-	-	2-3	2-3	2500	1	*
12	Renfrew	1021.6	+18	W	2	bc	33	86	7	8	-	1	1	2-3	2500	1	*
	Eskdalemuir	1020.8	+20	NW	2	b	35	86	8	7	-	-	1	1	1500	6	*
13A	Tiree	1022.3	+28	NE	3	bc	38	75	9	4	1	8	1	4-6	2600	0	1
13B	Stornoway	1021.2	+26	-	0	bc	33	85	8	4	1	-	2-3	4-6	4000	6	1
15	Dalwhinnie	1020.9	~~+16~~ +28	NNW	2	c	30	~~95~~ 85	8	~~7~~	2	-	7-8	7-8	4000	9	*
	Aberdeen	1020.5	+22	-	0	c	35	95	6	5	2	-	7-8	10	1500	1	1
	Wick	1020.2	+24	NW	2	c/s	32	96	8	6	1	-	4-6	7-8	1500	8	2
16	Lerwick	1017.9	+20	NW	1	c	31	75	8	8	7	-	4-6	7-8	1500	8	*
17	Blacksod Point	1024.3	+10	W	2	c	45	85	8	5	-	-	7-8	7-8	450	0	3
18	Malin Head	1022.4	+26	NW	2	bc	42	95	8	4	8	-	2-3	2-3	5700	0	1
	Aldergrove	1023.3	+14	WN	1	bc	40	95	8	5	-	5	2-3	2-3	2500	1	*
	Donaghadee	1021.9	+18	W	1	bc	42	85	8	7	3	9	4-6	4-6	4000	0	0
19	Birr Castle	1024.7	+10	NNW	1	c	45	75	8	5	-	-	7-8	7-8	2500	1	*
20	Valentia Obsy.	1027.2	+6	WNW	2	c	45	75	9	5	-	1	4-6	7-8	2500	1	2
	Roches Point	1026.4	+10	NW	3	bc	46	75	8	3	-	-	2-3	2-3	1500	0	2

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)	cz0	cp0bcz0	bm0	cmxccfx
	Croydon	cm0z0	cz0 PR	bcbm0	bm0xom
	S. Farnborough	cbc	cbcc[illegible]	cpbcx	bccbcx
	Winchester	bcm0xc	cpr0	cbcb	bxbcm0x
	Boscombe Down	bcc	cz0bcm0	cm0bm0	bxmbcx
	Calshot, S'thmtn	bccbcc	cpr0bc	bbwbx	bxbxm0
	Dungeness	bc	p	*	f
	Lympne	bccm0	bcm0	cprqbcbw	bwxm0f
2	Shoeburyness	cm0	cpt	orr	bcm
	Felixstowe	cm0pr0	cpr0q PR	cprbc	Ff
	Gorleston	cm0m0	copr0m0	orbcbm0m	bbccm0x
	Cranwell	cm0bcc	cz0bcm0	bcm0	bmwfx
3	Cardington	c	cpr0ph	bcbxm0	bxFeFe
	Birmingham	cbc	bccphr	cbc	bcx
	Upper Heyford	cbcm0c	cbccp0P	cbc	bcbbcfx
	Leafield	ifbcc	cprbc	bcbx	bbcex
4	Ross-on-Wye	bcc	bc	bbcb	bcbbc
5	Portland Bill	bcc	cbc	bbc	bc
	Plymouth	bc,c2pr0	cbc	bcb	bcbwx
	Falmouth	bcq	bc	bc	bc
	Scilly (St. Mary's)	cp0	p	ebcp0	cbcc
	Guernsey	cpr	cp0bc	prbc	bc
6	Pembroke	bcc	cq	cbcq	bc
7	Holyhead	vpr0	bccpr0	cbcw	bcc
	Chester (Sealand)	m0bcc	cbcc	bc	bcbfx
8	L'pool (Bidston)	bcc	bcpb	bcwb	bbx
9	Harrogate	bccp0	cr0b	b	bbcex
10	Spurn Head	cm	cpr	bc	bczx
	Tynemouth	bcffoirs	bc	bcb	bbcm
11	Inchkeith	m0bc	bc	bc	bcc
	Leuchars	cbcxb	bbccvb	bbx	bxxm
12	Renfrew	cbcm0bc	cbcb	bbxm0	bxcx xm0
	Eskdalemuir	os,s0cbc	bcbx	bx	bxox
13A	Tiree	cPRbcbx	bvbc	bcc	oirR
13B	Stornoway	bcps0	bc	c psoF	corrq
15	Dalwhinnie	bcc	bcc	~~bcc~~	cpsom
	Aberdeen	ois0cbcb	b,crsm0	cirs0b	b,c
	Wick	bcc	cssc	bc	bcc
16	Lerwick	cps0bc	bcps0c	cbc	bcc
17	Blacksod Point	prq	c	c	pc
18	Malin Head	cprbcjp	cbc	bcc⊕	c
	Aldergrove	circ	bcc	bcb	bccpr0
	Donaghadee	id0bc	bc	bc	bc
19	Birr Castle	bccr0c	cpr0	cbc	bcc
20	Valentia Obsy.	bccp0c	cbcc	cbc	bcc
	Roches Point	p0bc	p0bc	cp0c	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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

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.

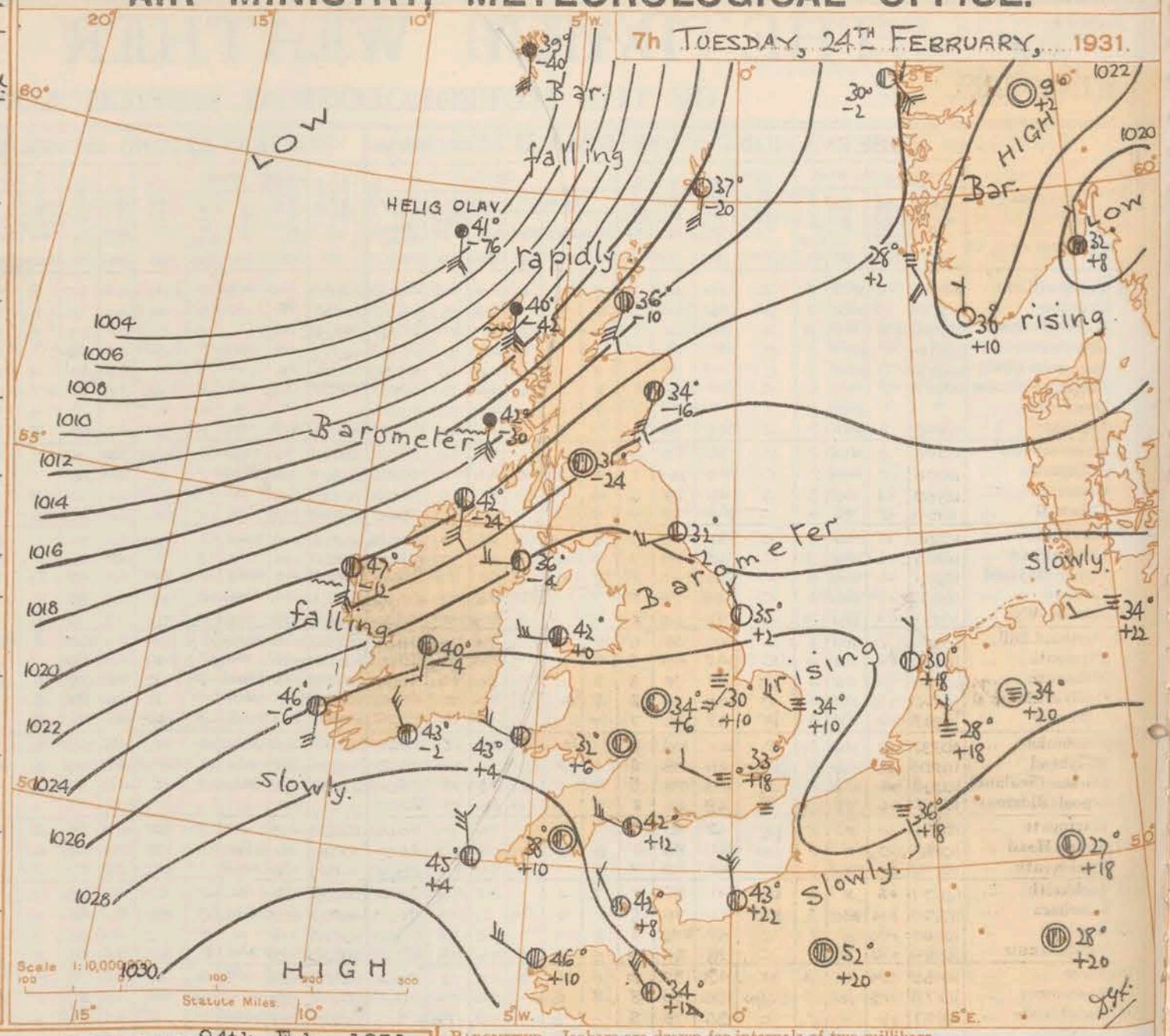
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 23rd February 1931.

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.	ocbc	bc	27	47	Trace	-	1·4	7·3
	Bournemouth	bco	obc	34	48	-	-	2·8	6·8
	Ventnor ...	xcpc	coubc	39	47	Trace	-	2·0	7.9
	Southsea ...	bcc	ocbc	33	48	-	-	1.7	6·8
	Bognor Regis	cbc	cbc	33	48	-	-	0·9	6·6
	Littlehampton	cbc	bc	29	48	0·1	-	2·7	5.7
	Worthing ...	cbco	cbc	35	48	1	-	3·0	6·5
	Brighton ...	c	bc	32	48	-	-	3·8	6·6
	Eastbourne†	cbcc	copcbc	37	47	-	0.6	2·2	9·2
	Hastings† ...	xcbcc	coc	35	47	-	-	1·4	8·8
	Folkestone ...	xchm	crf	34	47	Trace	Trace	0.8	8.7
	Dover... ...	mpc	copc	37	47	-	2	0.9	8.7
	Deal	bcc	oc	35	46	-	-	0.4	8·5
	Ramsgate ...	c	cp	36	41	-	1	1·3	8·3
	Margate ...	bccpc	bc	35	45	Trace	2	1·5	7·5
2	Southend ...	ocm	orcgh	34	46	Trace	0·3	0·1	7.9
	Maldon ...	c	corc	30	46	-	1	0.5	6.7
	Clacton-on-Sea	bcc	cphc	34	46	-	1	1·1	7.7
	Dovercourt ...	xbc	bcpbc	34	47	-	Trace	2·2	8.0
	Lowestoft ...	bcc	bcc	33	44	0.2	-	3·2	8·5
	Skegness ...	mbco	omp	34	45	Trace	1	2.4	7.4
	Mablethorpe	bczo	bcpbm	32	46	-	0·5	2·2	8·5
	Cleethorpes ...	bc	orro	34	45	Trace	0.5	0.8	7.2
3	Leamington S.	bcc	bcc	33	47	-	-	2·9	6.0
4	Cheltenham†	bcwc	cbcp	35	47	-	Trace	3.7	7.4
5	Bath	c	cbc	34	49	Trace	-	1·3	8·2
	Weymouth ...	bcc	cb	37	49	-	-	2·2	7.7
	Jersey ...	rcpc	pbc	40	48	0.6	1	1.7	8·5
	Torquay ...	bcmcp	bc	32	48	-	1	2.4	7.8
	Penzance ...	cb	bcb	38	50	2	-	5·1	7·1
	St. Ives ...	pr	b	40	48	0.5	Trace	5.0	7·2
	Bude	cbc	bc	44	49	-	-	6.2	5·3
	Ilfracombe ...	bcb	bbc	43	48	2	-	6·3	0.6
6	Aberystwyth	bcc	cbc	41	46	-	-	3.2	8.0
7	Llandudno ...	c	bcc	41	46	-	-	3.1	7.9
	Colwyn Bay...	bccbc	cbc	39	48	0.5	-	3.4	7.4
	Rhyl	cbc	bc	38	45	0·3	-	3.7	7.2
8	Wallasey ...	bbcc	bc	38	46	Trace	-	4·6	7.5
	Southport‖ ...	cocbc	bccbc	40	45	0·1	-	3.7	6·8
	Blackpool ...	cbc	bc	37	45	3	-	5.7	4·9
	Morecambe ...	Dcb	b	34	44	1	-	4.0	5.0
9	Ilkley... ...	od	bc	32	46	5	Trace	3·5	4·2
10	Berwick-on-T.	Soc	bcc	30	41	1	-	4·4	5.4
11	Dunbar ...	bzf	bc	31	41	2	-	5·3	4.4
12	Douglas ..	xcbc	cbccb	36	45	-	-	2.4	5·1

† 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 the wind. Number of feathers indicate Beaufort force. Calm. - ⊙
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. ▲ Hail. ≡ Fog. ≡ Mist. ⊤ Thunder. ⊤ Thunderstorm.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 24th Feb. 1931.

Districts.	Forecasts
1. S.E. England 2. E. England... 3. E. Midlands	Wind backing southwest and freshening somewhat; cloudy, perhaps slight rain later; milder.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind backing southwest and freshening: cloudy, occasional slight rain; milder.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Wind southwest to west, moderate to fresh or strong; cloudy, rain at times, sleet locally at first; milder.
13. A. W. Scotland ▼ B. N.W. Scotland.	Wind south veering west, strong to a gale: dull, rain at times; changeable temperature but milder than of late.
14. Mid-Scotland 15. N.E. Scotland ▼	As 11 - 13A.
16. Orkneys and Shetlands. ▼	As 13B.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind southwest, moderate to strong: cloudy, occasional rain at first, local drizzle later; milder.

GENERAL INFERENCE.

Pressure is high to southward of the British Isles. A depression west of the Faeroes is moving eastward and growing deeper, while a large depression off Newfoundland is almost stationary. A change to a mild southwesterly type of weather is in progress. There will be some rain in the North and perhaps slight rain later in the South.

FURTHER OUTLOOK.

A spell of mild mainly cloudy weather is probable. Occasional rain in the North but little or no rain in the South.

Time of Issue of Gale Warning.

▼ South Cone at 0820 on 24th in 13A, 13B, 15 and 16.

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, 24th February 1931.

No. 25296

OBSERVATIONS at 1 hr. G.M.T. 24th 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	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1024.9	+16	W'S	1	3	37	95	5	–	–	–	0	0	–
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1025.6	+14	NNW	2	6	34	95	8	–	–	–	0	0	–
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1023.7	+10	NNW	3	3	35	95	6	–	–	–	0	0	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1023.2	+10	WNW	1	6	34	95	6	–	–	–	0	0	–
	Cranwell	240	1024.6	+20	WNW	2	6	34	95	5	–	–	–	0	0	–
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1026.0	+12	WNW	3	bc	43	85	7	4	4	–	2-3	2-3	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1028.8	+2	WNW	3	bc	43	85	8	5	–	–	4-6	4-6	4000
	Scilly (St. Mary's)	163	1029.5	+6	NNW	4	pr	45	95	8	3	–	–	7-8	7-8	4000
	Guernsey	175	1026.5	+12	NNW	2	bc	44	85	8	5	–	–	4-6	4-6	2500
6	Pembroke	142	1026.1	+8	WNW	3	bc	45	95	8	1	4	–	2-3	4-6	2500
7	Holyhead	26	1025.3	+12	NNW	4	bc	43	95	7	5	–	–	2-3	2-3	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1023.4	+10	NW	3	bc	36	95	5	5	–	–	4-6	4-6	800
	Tynemouth	67	1023.8	+12	NW	2	b	35	85	7	–	–	–	0	0	–
11	Inchkeith	190	1024.7	+14	NW	2	bc	34	85	8	5	–	–	2-3	2-3	1500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1019.4	-12	SSW	3	c	39	75	7	4	–	–	10	10	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1021.8	-2	W	2	bc	27	85	8	7	1	–	2-3	4-6	2500
16	Lerwick	54	1020.4	+6	–	0	bc	30	65	8	5	–	–	2-3	2-3	1500
17	Blacksod Point	18	1024.3	0	W	3	c	45	75	7	5	–	–	9	9	2200
18	Malin Head	52	1023.2	-4	S	3	c	40	85	8	5	–	8	2-3	9+	4000
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	178	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1028.2	0	W	1	c	43	95	8	5	–	–	9	9	2500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 24th 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)	1027.5	+18	SW	1	cf	33	95	3	5	2	–	4-6	10	2500	4	*
	Croydon	1027.2	+18	WNW	1	m	33	95	4	5	–	–	10	10	450	4	*
	S. Farnborough	1027.4	+14	WNW	1	bc	29	95	6	5	–	1	1	2-3	4000	5	*
	Winchester	1027.5	+14	SE'E	1	m	30	95	5	1	–	2	1	4-6	4000	4	*
	Boscombe Down	1027.4	+8	N'W	2	m	34	95	5	5	–	8	2-3	7-8	4000	4	*
	Calshot, (S'thmtn)	1027.2	+14	NNW	1	bc	32	95	6	5	5	–	2-3	2-3	2500	0	0
	Dungeness	*	*	NW	3	m	*	*	4	5	2	*	2-3	4-6	2500	*	1
	Lympne	1026.5	+20	N'W	2	of	33	95	2	5	–	–	10	10	<150	5	*
2	Shoeburyness	1027.0	+12	NNW	2	m	32	95	4	–	–	5	0	2-3	–	1	*
	Felixstowe	1026.7	+24	NW	1	F	31	95	1	5	–	–	10	10	<150	1	1
	Gorleston	1027.0	+10	NNW	2	cf	34	95	2	4	–	–	7-8	7-8	2500	4	2
	Cranwell	1026.6	+10	SWW	2	bcf	30	95	3	–	3	8	0	2-3	–	4	*
3	Cardington	1026.7	+12	NNW	2	F	34	95	1	5	–	–	10	10	<150	1	*
	Birmingham	1026.9	+6	–	0	m	34	95	4	–	–	2	0	4-6	–	1	*
	Upper Heyford	1027.5	+16	NE	1	bcf	34	95	6	7	–	6	2-3	4-6	2500	5	*
	Leafield	1026.8	+8	WNW	2	c	34	95	8	–	3	6	0	7-8	–	4	*
4	Ross-on-Wye	1026.9	+6	–	0	m	32	95	5	5	2	9	1	4-6	2500	4	*
5	Portland Bill	1027.3	+12	NNW	3	bc	42	85	8	4	4	–	2-3	4-6	2500	1	2
	Plymouth	1028.5	+10	–	0	bc	38	95	7	2	–	1	1	2-3	4000	1	0
	Falmouth	1029.7	+6	WNW	2	c	42	85	8	8	–	–	7-8	7-8	4000	0	1
	Scilly (St. Mary's)	1029.0	+4	NNW	4	c	45	85	8	8	–	–	9	9+	4000	1	2
	Guernsey	1027.8	+8	NW	1	bc	42	95	8	5	–	–	4-6	4-6	2500	1	2
6	Pembroke	1027.3	+4	WNW	2	c	43	95	8	1	8	–	2-3	7-8	2500	0	2
7	Holyhead	1025.5	0	W	3	c	42	95	8	5	–	–	9+	9+	1500	1	1
	Chester (Sealand)	1026.3	+6	S'E	1	if	28	95	2	–	–	1	0	2-3	–	4	*
8	L'pool (Bidston)	1025.9	+2	SW'S	2	b	36	95	7	5	–	1	1	1	4000	0	*
9	Harrogate	1025.5	+6	SW	1	bc	30	95	6	–	–	8	0	2-3	–	4	*
10	Spurn Head	1024.6	+2	NW	1	bc	35	95	5	5	3	–	4-6	4-6	450	5	3
	Tynemouth	1023.8	-2	W	2	m	32	95	4	6	–	–	4-6	4-6	800	4	2
11	Inchkeith	1022.8	-8	WSW	1	c	33	95	7	5	4	–	7-8	10	4000	4	0
	Leuchars	1021.8	-10	SW	1	c	31	85	6	5	1	–	7-8	9+	4000	4	*
12	Renfrew	1022.3	-24	–	0	m	31	95	4	5	–	–	10	10	1500	4	*
	Eskdalemuir	1025.1	-6	–	0	o	23	95	7	5	–	–	10	10	800	6	*
13A	Tiree	1016.3	-30	SW	6	RR	42	95	6	6	–	–	10	10	1500	1	4
13B	Stornoway	1010.2	-42	SSW	6	RR	40	95	6	6	–	–	10	10	4000	2	4
15	Dalwhinnie	1017.7	-30	SW	7	RS	28	95	3	5	9-	7-	10	10	450	9	*
	Aberdeen	1020.2	-16	SSW	4	c	34	75	8	5	–	–	10	10	2500	4	1
	Wick	1017.0	-10	SSW	4	c	36	85	8	5	1	–	4-6	9	2500	8	3
16	Lerwick	1016.4	-20	S'W	3	c	37	75	8	5	2	–	4-6	10	1500	8	*
17	Blacksod Point	1020.9	-12	S	5	cp	47	95	7	9	–	–	10	10	<150	0	5
18	Malin Head	1018.6	-24	S	4	c	42	75	7	5	–	–	9+	9+	1500	0	2
	Aldergrove	1023.3	-10	S'W	3	c	37	85	7	5	2	–	7-8	10	2500	1	*
	Donaghadee	1023.1	-4	W	2	bc	36	95	7	7	–	9	4-6	4-6	4000	0	1
19	Birr Castle	1025.7	-4	S	1	c	40	95	7	5	–	–	9+	9+	2500	1	*
20	Valentia Obsy.†	1026.5	-6	S	3	c	46	85	8	5	2	–	4-6	10	2500	1	*
	Roches Point	1027.6	-2	NW	3	c	43	95	8	5	–	–	7-8	7-8	1500	0	2

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 23rd Hrs. (36)
1	London (Kew)	48	32	23	Tr.	Tr.	2.8
	Croydon	47	32	26	–	0.2	1.7
	S. Farnborough	49	29	18	1	0.2	3.1
	Winchester	46	30	23	0.1	–	1.2
	Boscombe Down	45	32	26	–	–	*
	Calshot, (S'thmtn)	47	32	24	Tr.	–	1.7
	Dungeness	47	29	*	Tr.	0.4	*
	Lympne	45	32	29	–	1	0.9
2	Shoeburyness	48	31	28	0.1	2	0.6
	Felixstowe	45	30	27	2	0.3	1.5
	Gorleston	46	32	28	Tr.	2	1.0
	Cranwell	45	29	23	–	–	1.7
3	Cardington	47	31	26	0.4	0.1	2.6
	Birmingham	46	33	23	0.4	–	4.9
	Upper Heyford	46	34	28	1	–	*
	Leafield	45	33	23	0.2	–	5.1
4	Ross-on-Wye	48	31	23	–	–	4.3
5	Portland Bill	47	40	*	–	–	*
	Plymouth	49	36	28	0.2	Tr.	2.7
	Falmouth	48	41	*	–	–	6.1
	Scilly (St. Mary's)	50	43	*	0.1	0.1	5.4
	Guernsey	48	41	29	2	Tr.	4.7
6	Pembroke	47	43	*	–	–	4.2
7	Holyhead	47	38	30	Tr.	–	3.3
	Chester (Sealand)	47	28	24	–	–	4.5
8	L'pool (Bidston)	44	36	32	–	–	4.9
9	Harrogate	44	30	25	0.1	–	2.3
10	Spurn Head	42	34	*	2	–	1.2
	Tynemouth	44	31	26	2	–	*
11	Inchkeith	44	33	26	0.1	–	6.8
	Leuchars	44	29	24	–	–	6.2
12	Renfrew	43	26	20	–	–	4.5
	Eskdalemuir	41	20	14	1	–	3.0
13A	Tiree	44	33	36	1	3	6.3
13B	Stornoway	39	30	*	1	4	6.4
15	Dalwhinnie	29	20	15	–	–	3.8
	Aberdeen	41	30	27	0.6	Tr.	4.8
	Wick	37	23	*	1	–	*
16	Lerwick	36	27	*	1	–	5.9
17	Blacksod Point	48	41	*	1	0.1	*
18	Malin Head	45	35	*	2	–	3.5
	Aldergrove	46	32	25	1	0.1	2.3
	Donaghadee	47	34	*	0.1	–	*
19	Birr Castle	49	38	31	Tr.	–	3.0
20	Valentia Obsy.†	48	41	37	Tr.	–	0.8
	Roches Point	49	42	*	Tr.	Tr.	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations.

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon (24 hrs. ended 9h.)	Weather Night (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
KEW	18	c3	cp bc3	bm cfx	48	32	23	Tr.	Tr.	2.8	*	*	2
CROYDON	217	cm3	c3	bc3m	47	32	26	–	0.2	1.7	*	*	3
GREENWICH (Royal Observatory)	149	c	cp	cbmF	48	31	21	0.3	Tr.	0.3	66	95	2
CITY (Bunhill Row)	—	*	*	*	*	*	*			1.2	*	*	*
WESTMINSTER (St. James' Park)	27	*	*	*	50	31	26	–	–	1.8	67	95	*
REGENTS PK. (Botanic Gardens)	168	*	*	*	*	*	*	*	*		*	*	*
CAMDEN SQUARE	110	c	cpc	*	48	34	24	Tr.	–	*	*	95	*
KENSINGTON PALACE	80	bcc	bc	*	48	34	26	–	–	*	At 18h. 73	97	*
HAMPSTEAD OBSERVATORY	450	bcorx	bc	*	49	38	30	0.3	0.3	2.1	*	98	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

SOUTH KENSINGTON. Max.	Time.	Min.	Time.
1.0	9h 23m	0.3	3h-5h 24th

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0.4	9h 23m	0.1	4h 24th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 23rd February Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 24th 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	1023.0	W	2	c	43	1027.0	WNW	1	c	34	48	30	4	–
BRUSSELS	1021.0	SE	1	o/rs	36	1025.5	SSE	1	of	36	46	34	4	0.5
BERLIN						1025.6	–	0	F	28		28		–
ZÜRICH	1024.0	NE	1	3	30	1025.4	N	1	F	21	41	18	–	–
ROME	1004.9	N	4	bc	43						57		–	

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 25th February 1931.

No. 25297

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)	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)...	1028.2	-6	WNW	2	bc	45	65	6	7	-	1	4-6	4-6	4000
	Croydon ...	1028.0	-4	WN	3	z	48	65	5	4	-	-	4-6	4-6	2500
	S. Farnborough	1027.8	-2	WSW	2	c	47	65	7	8	-	1	7-8	7-8	2500
	Winchester ...	1028.5	-2	WS	3	c	45	75	7	7	3	-	7-8	9+	4000
	Boscombe Down	1028.5	+2	W	3	c	45	85	7	8	-	-	9	9	4000
	Calshot, S'thmtn	1028.9	+2	WSW	3	c	46	75	7	8	2	-	7-8	9+	4000
	Dungeness ...	*	*	SW	2	z	*	*	5	4	3	-	2-3	4-6	4000
	Lympne ...	1027.4	-2	WNW	2	z	44	75	6	1	-	1	2-3	2-3	2500
2	Shoeburyness	1027.9	0	W	1	m	44	76	4	-	-	-	0	0	-
	Felixstowe ...	1028.3	+6	WNW	1	bc	42	75	7	-	3	9	0	4-6	-
	Gorleston ...	1026.6	+2	WSW	1	c	46	85	6	2	6	-	2-3	7-8	2500
	Cranwell ...	1025.9	-10	SW	3	c	45	75	6	-	3	9	0	9+ (red: 7-8)	-
3	Cardington ...	1027.0	-14	WS	3	bc	49	65	7	2	-	1	4-6	4-6	4000
	Birmingham ...	1026.6	-4	W	3	c	45	66	8	6	-	9	4-6	7-8	2500
	Upper Heyford	1027.8	-4	WSW	3	c	45	75	8	7	-	-	9	9	2500
	Leafield ...	1027.0	+8	WS	3	bc	45	65	8	7	3	1	2-3	4-6	2500
4	Ross-on-Wye ...	1026.8	0	WS	3	c	49	55	9	4	-	1	7-8	7-8	4000
5	Portland Bill...	1028.5	0	W	3	bc	48	75	8	2	4	-	2-3	4-6	2500
	Plymouth ...	1029.8	+2	W	2	c	46	65	8	5	-	-	9+	9+	2500
	Falmouth ...	1031.2	+2	W	3	c	47	65	8	8	-	-	7-8	7-8	4000
	Scilly (St. Mary's)	1030.4	-4	WSW	3	c	47	85	8	5	-	4	7-8	9	4000
	Guernsey ...	1029.5	+4	WNW	1	bc	47	65	9	8	6	1	4-6	4-6	2500
6	Pembroke ...	1027.4	-2	WSW	3	c	46	95	8	5	7	-	9	10	4000
7	Holyhead ...	1024.3	-14	SSW	5	c	46	75	8	5	3	8	7-8	9+	4000
	Chester (Sealand)	1026.4	-10	SW	4	c	49	55	9	5	4	9	4-6	9	4000
8	L'pool (Bidston)	1024.6	-6	WSW	3	c	44	75	8	5	1	-	4-6	9	4000
9	Harrogate ...	1023.6	-10	SW	3	m	39	85	4	6	2	-	4-6	10	<150
10	Spurn Head ...	1024.7	0	SWW	2	c	42	85	5	5	3	-	7-8	10	460
	Tynemouth ...	1020.9	-28	SSW	2	o	40	85	6	6	-	-	10	10	1500
11	Inchkeith ...	1016.1	-28	SW	4	iro	42	85	7	5	2	-	4-6	10	4000
	Leuchars ...	1015.4	-38	SW	4	c	39	85	7	5	2	-	9	10	1500
12	Renfrew ...	1015.7	-34	SSW	4	roro	42	95	5	6	2	-	7-8	10	800
	Eskdalemuir ...	1019.8	-18	SW	5	rs	37	95	6	6	-	-	10	10	450
13A	Tiree ...	1012.2	-8	SW	7	dodo	47	95	4	5	-	-	10	10	<150
13B	Stornoway ...	1005.0	-6	WSW	6	rr	49	95	6	6	-	-	10	10	4000
15	Dalwhinnie ...	~~1013.2~~ 1014.1	~~-12~~ -20	~~SWS~~ SSW	6	ps	35	95	6	3	3	8	~~9+~~ 7-8	~~10~~ 9	1500
	Aberdeen ...	1012.6	-46	SW	4	rs	36	95	6	6	-	-	10	10	2600
	Wick ...	1006.3	-40	SSW	6	rs	38	96	7	6	2	-	7-8	10	1500
16	Lerwick ...	1003.5	-66	S	8	roro	37	96	6	6	-	-	10	10	800
17	Blacksod Point	1019.1	-10	S	5	dd	50	95	7	6	-	-	10	10	<150
18	Malin Head ...	1015.1	-8	SW	5	ido	48	95	5	6	-	-	10	10	800
	Aldergrove ...	1019.5	-18	SW	5	o	44	95	7	5	-	-	10	10	800
	Donaghadee ...	1019.8	-10	WSW	2	c	44	85	7	5	-	-	9	9	1500
19	Birr Castle ...	1023.8	-8	SSW	2	o	48	85	8	5	-	-	10	10	2500
20	Valentia Obsy.	1025.7	-6	S	3	ido	50	95	6	5	-	-	10	10	450
	Roches Point...	1027.0	-4	SW	3	c	49	85	8	5	-	-	7-8	7-8	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	1027.5	+2	SWW	3	c	44	75	5	7	7	2	1	9+	4000	1	*
Croydon	1027.3	+2	SWW	3	z	44	75	6	4	7	6	2-3	9+	4000	1	*
S. Farnborough	1027.2	0	WSW	2	c	44	75	8	5	-	8	4-6	9	2500	1	*
Winchester	1028.4	+6	W	3	c	43	75	7	5	-	6	2-3	7-8	4000	1	*
Boscombe Down	1028.5	+6	W	3	bc	39	85	7	5	-	8	1	2-3	4000	1	*
Calshot, S'thmtn	1028.6	-2	WS	2	c	44	85	7	7	1	8	4-6	7-8	4000	0	1
Dungeness	*	*	SW	3	z	*	*	5	4	5	*	4-6	4-6	4000	*	1
Lympne	1027.6	+4	SW	2	z	40	85	6	-	5	9	0	7-8	-	1	*
Shoeburyness	1027.1	-2	SW	2	bc	39	95	6	-	-	8	0	4-6	-	0	*
Felixstowe	1027.2	-2	SSW	3	z	40	95	5	-	-	6	0	2-3	-	1	1
Gorleston	1026.3	-2	SSW	2	c	42	75	6	4	-	-	9	9	4000	0	1
Cranwell	1023.5	-10	SW	3	c	44	75	6	5	-	-	10	10	2500	1	*
Cardington	1025.9	0	SWW	4	c	42	75	7	2	9	6	4-6	9	2500	1	*
Birmingham	1026.0	-4	SW	3	c	43	75	8	5	2	-	4-6	9	4000	1	*
Upper Heyford	1027.0	+4	WSW	3	bc	41	85	7	-	7	8	0	4-6	-	1	*
Leafield	1026.2	0	SW	4	bc	40	75	8	5	3	8	2-3	4-6	4000	1	*
Ross-on-Wye	1026.0	-4	SWW	2	c	44	65	8	5	1	8	4-6	9+	4000	1	
Portland Bill	1028.1	-2	SWW	3	bc	46	75	8	4	4	-	2-3	4-6	2600	1	2
Plymouth	1029.5	0	W	3	c	46	76	7	6	-	-	9+	9+	2500	1	1
Falmouth	1030.4	-2	WSW	4	c	46	85	8	8	-	-	9	9	4000	0	2
Scilly (St. Mary's)	1030.3	0	W	4	c	47	95	8	7	-	-	9	9	4000	0	2
Guernsey	1029.4	0	WNW	1	bc	46	65	9	5	1	-	4-6	4-6	2600	0	2
Pembroke	1026.9	-6	SW	4	o	47	95	7	6	-	-	10	10	1500	0	3
Holyhead	1021.9	-6	SWS	5	c	46	96	6	5	-	-	10	10	2500	1	2 *
Chester (Sealand)	1022.3	-12	SW	4	c/r	47	75	8	6	-	-	9	9	2500	0	*
L'pool (Bidston)	1021.8	-10	SSW	5	c/pr	45	85	8	5	2	-	4-6	9	2500	0	*
Harrogate	1020.9	-10	SW	3	c	42	75	5	5	2	-	2-3	9	2500	1	*
Spurn Head	1021.7	-6	SWS	3	c	42	95	6	5	2	-	7-8	10	1500	0	4
Tynemouth	1016.7	-14	SW	3	c	44	75	6	6	-	-	7-8	7-8	1500	1	2
Inchkeith	1012.4	-16	SW	4	o	45	95	7	5	-	-	10	10	4000	0	2
Leuchars	1011.7	-14	SW	4	c	45	95	6	5	-	-	9	9	800	1	*
Renfrew	1013.9	-4	SWW	4	roro	48	95	6	6	2	-	9	10	800	1	*
Eskdalemuir	1016.1	-18	S	1	dodo	40	95	2	6	-	-	10	10	<150	2	*
Tiree	1012.9	+12	WS	5	ido	48	95	4	5	-	-	10	10	<150	1	3
Stornoway	1007.4	+14	WNW	4	c/r	47	95	7	4	3	-	7-8	9+	4000	2	3 *
Dalwhinnie	1008.7	0	SW'S	6	rs	39	95	6	5	-	-	10	10	1500	3	
Aberdeen	1008.1	-12	SSW	1	c	42	95	6	6	7	-	4-6	9+	2500	1	1
Wick	1004.3	+4	SW	3	c	43	95	8	8	2	-	7-8	10	2500	3	3
Lerwick	997.7	-16	W	4	c/r	44	95	7	5	2	-	4-6	7-8	1500	2	*
Blacksod Point	1018.8	0	S	3	m/s	49	95	4	-	2	-	0	10	-	1	3
Malin Head	1015.2	+4	WSW	4	ido	49	95	5	6	-	-	10	10	450	1	2
Aldergrove	1017.9	-4	SWS	5	ido	49	95	7	6	-	-	10	10	450	1	*
Donaghadee	1016.5	-8	WSW	5	q	51	95	7	5	-	-	9	9	1500	1	3
Birr Castle	1022.3	-2	SSW	3	o/r	51	95	7	6	-	-	10	10	1500	1	*
Valentia Obsy.	1024.4	-2	SWS	4	roro	50	95	5	5	-	-	10	10	450	1	3
Roches Point	1026.0	-6	SW	3	dodo	49	95	6	5	-	-	10	10	1500	1	3

PAST 24 HOURS. WEATHER.

Stations	7h.–13h. 24th (37)	13h.–18h. 24th (38)	18h. 24th to 1h. 25th (39)	1h.–7h. 25th (40)
London (Kew)	cfbczo	bczo czo	czo omo	omo
Croydon	omfefbczo	bcczo	cmo ⊕ ro	cmo
S. Farnborough	xbcmo	cbcc	cbcco	ooiro
Winchester	bcmoxc	cy	bcc	cproc
Boscombe Down	bcmoc	cbc	bbc	bcc
Calshot, S'thmtn	bcxb, bcm	bcmo bc	bcwc	cproopromo
Dungeness	bc	bc	*	o
Lympne	oF bmo	bcmo	cbcwmo	roomo
Shoeburyness	bm	bmbcm	bcmo	omo
Felixstowe	of febc	bczo	bczoc	cordo
Gorleston	cffbcc	c	comoroo	ororoiro
Cranwell	bcxfc	czo	czo mo	bmocpro
Cardington	Febcc	bcc	c	cpro
Birmingham	mbc	bcc	cpro	c
Upper Heyford	bcmoc	cbc	bcc	co
Leafield	cbc	bcc	bcc	co
Ross-on-Wye	ifbcbcc	cy bcc	c	c
Portland Bill	bc	bc	c	ciroc
Plymouth	bwfc	cbc		comodd
Falmouth	bcdo	bcc	codo	odomo
Scilly (St. Mary's)	cpo	c	cd, o	dffc
Guernsey	bccbc	bccbc	ocbc	codd
Pembroke	c	co	oro mo	oirFFe
Holyhead	cbc	proro	c, ro	cmo
Chester (Sealand)	mbccqv	c	c	c
L'pool (Bidston)	bbcc	cpo	oro	oroo
Harrogate	bccm	cmc	codd	ocid
Spurn Head	bc	bc	cproc	bc
Tynemouth	bcoff	oiroc	co	o
Inchkeith	ciro	ciro	ocbc	bcc
Leuchars	cxrsomoc	cm.	cbcmo	bccrobc
Renfrew	cm, roro	crorom o	cromoc	ccdomo
Eskdalemuir	oxsorsrs	orsdof	oido	oidod
Tiree	ORridomm	oidom	omido	oido
Stornoway	orr	orr	cpr	corro
Dalwhinnie	csscm	cssom	cprm	~~[illegible]~~ crrm
Aberdeen	ossrs	orscmo	c	c
Wick	cssrs	crsc	cido	corr
Lerwick	cororom	ororomo	cpor, bc	bcoso

so |
Blacksod Point	da	df	ff	ff
Malin Head	omo	oidomm	cdomoom	oimcmoc
Aldergrove	crir oc	oido	oiro o	omo
Donaghadee	bcidoc	cq	cidoc	c
Birr Castle	coroo	oro	oido	oido o
Valentia Obsy.	coido	oido roro	roroirdodo	idod
Roches Point	c	odod o	odoc	cpoc

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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

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.

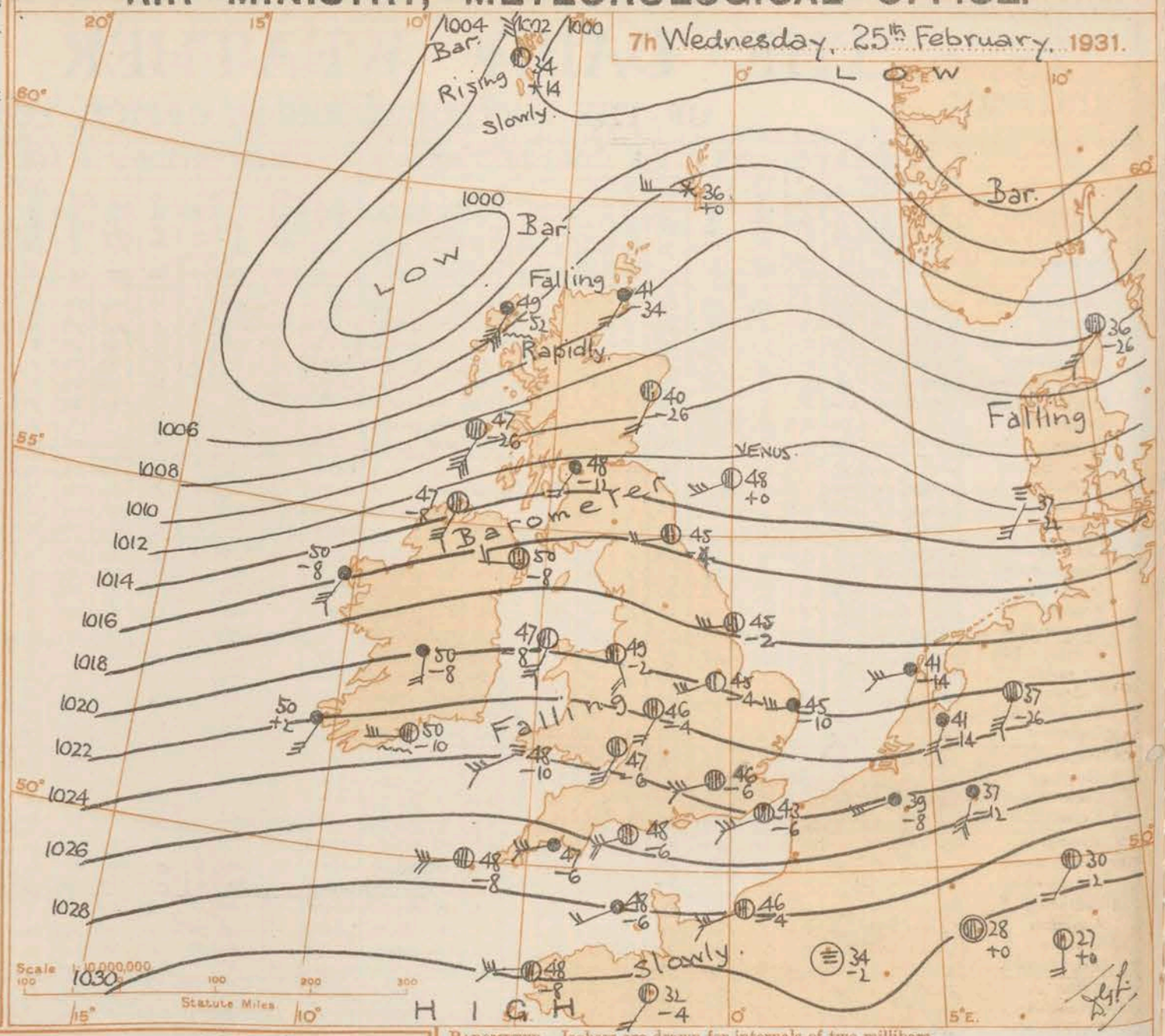
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 24th February 1931.

Districts	Stations.	Weather. Forenoon.	Weather. Afternoon.	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. 23rd
1	Tunbridge W.	ofoc	bcb	27	47	Tr.	–	3.7	1.4
	Bournemouth	c	o	35	48	–	–	2.2	2.8
	Ventnor ...	xbcbz	bbc	36	49	–	–	7.3	2.0
	Southsea ...	b	cbc	33	49	–	–	6.4	1.7
	Bognor Regis	b	bbcb	34	47	–	–	7.7	0.9
	Littlehampton	bc	bc	30	46	–	–	9.0	2.7
	Worthing ...	b	bbc	35	48	–	–	8.0	3.0
	Brighton ...	b	bbc	35	48	–	–	8.5	3.8
	Eastbourne†	bcb	bbc	35	46	1	–	8.7	2.2
	Hastings† ...	xb	bbc	35	47	0.1	–	8.6	1.4
	Folkestone ...	b	bbcm	33	49	1	–	7.0	0.8
	Dover... ...	mbcb	mobbc	35	45	2	–	6.3	0.9
	Deal	cb	bcb	32	47	3	–	3.6	0.4
	Ramsgate ...	bm	bmc	34	47	1	–	6.4	1.3
	Margate ...	bc	bc	38	45	Tr.	–	7.3	1.5
2	Southend ...	bmf	bbcm	33	45	1	–	2.8	0.1
	Maldon ...	b	bbc	33	48	0.6	–	6.4	0.5
	Clacton-on-Sea	bcmz	bccz	31	45	1	–	7.2	1.1
	Dovercourt ...	xbf	bcm	31	47	0.2	–	5.3	2.2
	Lowestoft ...	bfbc	bcc	30	45	2	–	5.5	3.2
	Skegness ...	cbc	mo	30	42	Tr.	Tr.	2.9	2.4
	Mablethorpe	bcxcm	com	30	45	–	–	2.3	2.2
	Cleethorpes ...	bc	co	32	45	–	–	2.0	0.8
3	Leamington S.	bbc	cbc	30	49	–	–	4.0	2.9
4	Cheltenham†	wmbc	cbcc	30	47	–	–	4.6	3.7
5	Bath	cbcb	bbcc	32	49	–	–	5.9	1.3
	Weymouth ...	b	bbc	35	53	–	–	7.2	2.2
	Jersey ...	pcpc	cbc	42	50	–	0.3	4.8	2.0
	Torquay ...	bm	bbcc	38	48	–	–	4.5	2.5
	Penzance ...	c	c	40	50	–	–	0.6	5.7
	St. Ives ...	c	c	44	49	–	–	1.4	5.0
	Bude	oc	co	41	48	–	–	1.2	6.2
	Ilfracombe ...	coc	co	41	48	–	–	0.8	6.3
6	Aberystwyth	cw	c	41	45	–	–	0.4	3.3
7	Llandudno ...	cbcco	cmr	35	47	–	Tr.	2.3	3.1
	Colwyn Bay...	bcc	co	35	50	–	–	3.0	3.4
	Rhyl	cbc	c	32	49	–	–	2.0	3.7
8	Wallasey ..	fc	cr	33	47	–	Tr.	1.2	4.5
	Southport‖ ...	coc	coro	31	45	–	0.4	0.2	3.7
	Blackpool ...	ome	co	27	44	0.1	–	0.1	5.7
	Morecambe ...	xjocr	rrom	26	44	–	7	0.0	4.0
9	Ilkley... ...	mo	mo	31	43	–	–	0.0	3.5
10	Berwick-on-T.	osR	o	29	44	–	1	0.0	4.4
11	Dunbar ...	omc bmc	c	31	47	–	Tr.	0.0	5.3
12	Douglas ...	xcbc	odod	32	45	–	2	0.4	2.4

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



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with the wind. Number of feathers indicate Beaufort force. Calm. – ⊙
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. ▲ 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. 25th Feb. 1931.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Moderate or fresh westerly wind; cloudy, occasional local drizzle; mild.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Moderate or fresh westerly wind, becoming stronger locally; dull, some drizzle; local coast and hill fog; mild.
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. 14. Mid-Scotland 15. N.E. Scotland ▼	Wind southwest to west, fresh or strong, perhaps reaching gale locally; dull, some drizzle or rain; mild; perhaps colder later. Wind southwest to west or northwest, strong to gale, moderating; rain at times, perhaps snow later; mild, then colder.
16. Orkneys and Shetlands.	Wind variable, strong at times locally; rain, sleet or snow: rather cold.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 5 - 8.

GENERAL INFERENCE.

Pressure is high over France and Greenland and low over Scandinavia and off Newfoundland. A secondary depression off the Hebrides is moving eastward and deepening, and others may follow. Over most of the country weather will be mild and cloudy with local drizzle, but colder conditions with snow may penetrate over a large part of Scotland later.

FURTHER OUTLOOK.

Unsettled; probably becoming colder in the North, with some snow.

Time of Issue of Gale Warning.

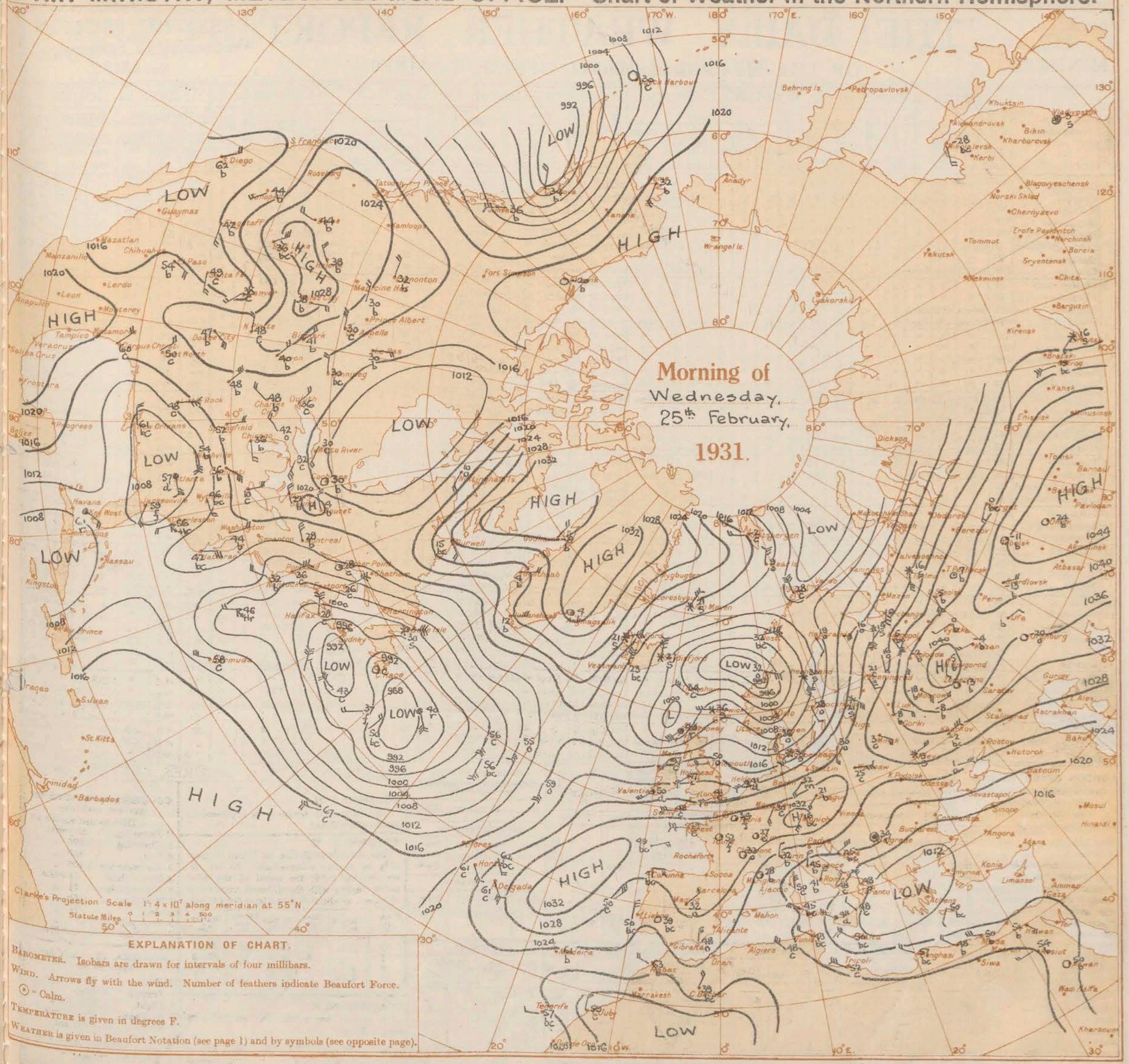
▼ South Cone at 0835 on 25th in 11, 12, 13A, 13B, 15 and in the Orkneys.

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.



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 25th February 1931.

No. 25297

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)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1025.7	-14	SW'W	4	c/r	44	85	6	S	2	-	7-8	10	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1027.6	-10	W'S	3	pr	45	85	7	S	-	-	10	10	2500
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1025.7	-16	SW'W	4	z	39	95	6	S	-	-	10	10	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1022.0	-12	WSW	3	r.r.	41	95	6	6	-	-	10	10	1500
	Cranwell	240	1020.4	-8	WSW	5	bc	45	85	6	5	-	-	2-3	2-3	2500
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1027.0	-8	WSW	5	c	47	85	8	4	4	-	4-6	7-8	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1029.7	-4	SW'W	3	d.d.	47	95	7	5	-	-	10	10	2500
	Scilly (St. Mary's)	163	1028.7	-4	W	5	d	48	95	6	6	-	-	10	10	2500
	Guernsey	175	1029.4	-8	WSW	1	bc	44	85	9	5	-	-	4-6	4-6	4000
6	Pembroke	142	1024.3	-6	SW'W	4	m	47	95	4	5	-	-	10	10	800
7	Holyhead	26	1020.7	-4	SW'W	4	c	47	95	6	5	-	-	9+	9+	800
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1018.7	-4	W'S	3	c	43	95	7	5	-	-	9+	9+	2500
	Tynemouth	67	1015.5	0	W	4	o	50	85	7	6	-	-	10	10	1500
11	Inchkeith	190	1013.1	+4	WSW	5	bc	47	95	8	5	-	1	2-3	4-6	4000
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1010.6	+8	WNW	2	c	43	85	7	3	-	-	9+	9+	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1008.8	+20	W	2	c/d	40	85	8	9	8	8	4-6	7-8	1500
16	Lerwick	54	1004.4	+32	W'N	3	bc	37	85	8	8	-	-	4-6	4-6	1500
17	Blacksod Point	18	1018.8	0	W	4	m	47	95	4	-	2	-	0	10	-
18	Malin Head	52	1016.5	0	W'S	4	f	47	95	3	6	-	-	10	10	220
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1023.7	-6	SW	3	f	51	95	3	3	-	-	10	10	<150
	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)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
1	London (Kew)	1023.5	-8	SW'W	3	o	45	95	6	5	-	-	10	10	1500	1	*
	Croydon	1023.9	-2	WSW	4	z	46	95	6	5	-	-	10	10	800	1	*
	S. Farnborough	1023.5	-6	W'S	3	o/r	46	95	7	5	-	-	10	10	1500	1	*
	Winchester	1024.2	-6	SW	3	c	45	95	7	5	-	-	10	10	800	1	*
	Boscombe Down	1024.6	-4	W'S	3	c	46	95	7	-	2	-	0	10	-	1	*
	Calshot, (S'thmtn)	1025.1	-10	WSW	4	z	45	95	5	5	-	-	10	10	220	1	2
	Dungeness	*	*	SW	3	z	*	*	0	5	-	*	10	10	2500	*	2
	Lympne	1023.5	-6	WSW	4	z	43	95	6	5	-	-	10	10	800	1	*
2	Shoeburyness	1023.0	-10	WSW	3	c	45	95	6	5	2	-	7-8	10	1500	1	*
	Felixstowe	1022.2	-10	W'S	3	o/d	44	95	7	5	-	-	10	10	1500	1	2
	Gorleston	1019.5	-10	W	3	ir.	45	95	6	6	-	-	10	10	1500	1	2
	Cranwell	1020.0	-4	WSW	3	bc	45	95	6	5	3	-	1	2-3	4000	1	*
3	Cardington	1022.4	-8	WSW	4	c/pr	46	95	7	5	1	-	7-8	9	2500	1	*
	Birmingham	1021.5	-4	SW	2	c	46	95	8	5	2	-	9	10	1500	1	*
	Upper Heyford	1023.0	-12	SW	2	o	46	95	7	5	-	-	10	10	450	1	*
	Leafield	1022.3	-4	SW'W	2	o	45	95	7	5	-	-	10	10	450	1	*
4	Ross-on-Wye	1022.4	-6	SW	3	c	47	85	8	5	7	-	9	9+	4000	1	*
5	Portland Bill	1024.5	-6	WSW	5	c	48	95	7	4	7	-	7-8	10	2500	1	3
	Plymouth	1026.7	-6	WSW	4	d.d.	47	95	6	5	-	-	10	10	220	1	1
	Falmouth	1027.8	-6	W'S	4	d.d.	47	95	6	6	2	-	7-8	10	2500	1	2
	Scilly (St. Mary's)	1026.8	-8	W	5	c	48	95	6	5	-	-	9+	9+	1500	1	3
	Guernsey	1027.7	-6	WSW	2	d.d.	48	65	7	6	-	-	10	10	2500	1	2
6	Pembroke	1022.5	-10	WSW	4	F-	48	95	2	5	-	-	10	10	<150	1	3
7	Holyhead	1019.1	-8	SW	4	c	47	95	6	5	-	-	9+	9+	4000	1	1
	Chester (Sealand)	1020.0	-2	SE'S	2	c	49	95	8	5	-	-	9	9	1500	0	*
8	L'pool (Bidston)	1019.3	+4	SW'W	3	o	50	85	7 8	5	-	-	10	10	2500	1	*
9	Harrogate	1017.7	-6	S'W	3	c/d	45	85	8	9	-	-	9	9	2500	1	*
10	Spurn Head	1017.5	-2	W	3	c	45	95	7	4	2	-	7-8	10	4000	0	3
	Tynemouth	1015.5	-4	W	2	o	50	95	6	6	-	-	10	10	1500	1	1
11	Inchkeith	1012.4	-10	SW	4	o	46	95	7	6	-	-	10	10	800	0	3
	Leuchars	1011.3	-2	WSW	4	bc	46	95	8	5	3	-	2-3	4-6	1500	1	*
12	Renfrew	1013.8	-12	SW	2	id.	48	95	6	6	2	-	9+	10	800	1	*
	Eskdalemuir	1014.8	-6	SW'W	4	id.	47	95	6	5	-	-	10	10	450	1	*
13A	Tiree	1010.0	-26	SW	6	o/d	47	95	6	5	-	-	10	10	<150	1	3
13B	Stornoway	1002.2	-52	SW	6	rr	49	95	6	6	-	-	10	10	4000	2	4
15	Dalwhinnie	1006.5	-16	SW'S	4	o	38	95	6	5	-	-	10	10	1500	3	*
	Aberdeen	1008.9	-26	SSW	2	c	40	95	6	-	3	-	0	7-8	-	1	1
	Wick	1005.5	-34	SW	2	rr	41	95	7	6	-	-	10	10	1500	1	2
16	Lerwick	1004.9	0	W	3	s.s.	36	85	7	6	-	-	10	10	1500	1	*
17	Blacksod Point	1016.9	-8	SW	4	c/pr	50	95	7	8	-	-	9+	9+	220	1	3
18	Malin Head	1014.0	-8	SW	4	c	47	95	7	6	3	-	7-8	7-8	800	1	2
	Aldergrove	1016.6	-8	S'W	5	o	47	95	6	5	-	-	10	10	450	1	*
	Donaghadee	1016.0	-8	W	2	c	50	95	7	5	-	-	7-8	7-8	1500	1	1
19	Birr Castle	1019.9	-8	S	2	id.	50	95	6	6	-	-	10	10	2500	1	*
20	Valentia Obsy.†	1023.1	+2	SW	3	d	50	95	5	5	-	-	10	10	450	1	*
	Roches Point	1023.9	-10	W	3	c	50	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)	47	41	36	-	-	5.2
	Croydon	49	41	36	Tr.	0.1	4.3
	S. Farnborough	48	38	29	-	Tr.	4.9
	Winchester	49	37	33	-	Tr.	5.7
	Boscombe Down	49	37	32	-	-	*
	Calshot, (S'thmtn)	48	40	33	-	0.1	5.5
	Dungeness	48	41	*	-	Tr.	*
	Lympne	48	36	32	Tr.	0.1	6.0
2	Shoeburyness	47	37	32	-	-	7.4
	Felixstowe	44	40	35	0.1	0.4	5.1
	Gorleston	46	40	39	-	1	4.1
	Cranwell	46	43	41	Tr.	Tr.	3.9
3	Cardington	49	40	38	-	Tr.	3.6
	Birmingham	47	42	40	-	0.1	3.8
	Upper Heyford	48	39	35	-	-	*
	Leafield	46	39	36	-	-	5.2
4	Ross-on-Wye	50	44	41	-	-	5.8
5	Portland Bill	48	45	*	-	Tr.	*
	Plymouth	48	46	44	-	0.6	0.6
	Falmouth	49	45	*	Tr.	0.1	1.4
	Scilly (St. Mary's)	47	46	*	Tr.	0.2	0.0
	Guernsey	49	44	35	-	0.1	5.6
6	Pembroke	47	46	*	-	0.6	0.1
7	Holyhead	47	46	45	0.3	0.1	4.0
	Chester (Sealand)	49	47	45	Tr.	-	1.7
8	L'pool (Bidston)	46	45	44	Tr.	0.4	1.7
9	Harrogate	42	41	39	-	2	0.1
10	Spurn Head	44	41	*	-	-	1.8
	Tynemouth	44	44	39	0.4	-	*
11	Inchkeith	45	45	44	0.1	Tr.	0.0
	Leuchars	45	43	40	1	0.1	0.0
12	Renfrew	48	47	44	4	0.2	0.0
	Eskdalemuir	40	39	37	10	1	0.0
13A	Tiree	48	45	44	3	0.2	0.0
13B	Stornoway	50	40	*	16	6	0.0
15	Dalwhinnie	40	38	35	5	24	0.0
	Aberdeen	42	38	33	7	-	0.0
	Wick	43	42	*	8	0.5	*
16	Lerwick	45	35	*	4	0.4	0.0
17	Blacksod Point	51	46	*	0.3	0.3	*
18	Malin Head	49	46	*	0.1	0.2	0.0
	Aldergrove	49	46	45	0.2	0.3	0.0
	Donaghadee	51	49	*	0.1	0.1	*
19	Birr Castle	52	49	48	Tr.	0.5	0.0
20	Valentia Obsy.†	51	49	49	1	1	0.0
	Roches Point	50	49	*	0.2	1	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other 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	cf bc3o	bc3o c3o	c2om	47	41	36	-	-	5.2	*	*	6
Croydon	217	omfebc3o	bc c3o	c2rm	49	41	-	Tr.	0.1	4.3	*	*	6
Greenwich (Royal Observatory)	149	obf	bfc3o	bc2od	49	41	33	-	Tr.	1.1	60	91	5
City (Bunhill Row)	—									1.9			
Westminster (St. James' Park)	27	*	*	*	49	35	35	-	-	2.8	61	90	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	2.8	*	*	*
Camden Square	110	omc	c	*	47	42	38	-	-	*	*	92	*
Kensington Palace	80	bcc	bcm	*	49	43	35	-	Tr.	*	At 18h. 76	92	*
Hampstead Observatory	450	ofbc	bco	*	48	38	36	-	Tr.	43		98	*

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	12h 24m	<0.3	1h-6h 25th

Kew Observatory Max.	Time.	Min.	Time.
0.5	9h 24m	<0.1	2h 25m

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.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1029.5	-	0	b	43	1028.4	WSW	1	z	45	?	36	?	-
Brussels	1028.4	WSW	1	b	37	1024.8	WSW	3	cd	39	45	37	-	2
Berlin	1027.8	-	0	m	37	1024.4	SW	2	m	32	41	32	-	-
Zürich	1028.7	E	1	z	30	1030.4	NW	1	cf	19	41	18	-	-
Rome	1011.0	N	3	c	48	1017.1	NE	3	b	41	55	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 „	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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 26th February 1931.

No. 25298

OBSERVATIONS at 13h. G.M.T. 25th 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)	1021.7	-14	WS	4	c	53	75	6	5	-	-	9+	9+	2500
	Croydon	1021.7	-18	WSW	4	z	52	85	6	5	1	-	7.8	10	1500
	S. Farnborough	1022.1	-10	WS	3	o	53	85	7	5	-	-	10	10	800
	Winchester	1022.7	-14	WSW	4	o	52	85	7	5	-	-	10	10	1500
	Boscombe Down	1023.2	-10	WSW	4	o	52	85	8	5	-	-	10	10	800
	Calshot, S'thmtn	1023.5	-14	WSW	5	c	49	95	6	5	7	-	7.8	9+	800
	Dungeness	*	*	WSW	4	~~z~~ c	*	*	6	5	-	-	10	10	1500
	Lympne	1022.1	-10	SWW	4	z	47	95	5	5	-	-	10	10	220
2	Shoeburyness	1020.9	-14	WSW	4	c	52	85	5	5	-	-	9+	9+	1600
	Felixstowe	1020.0	-16	WSW	4	z	49	95	6	5	2	-	7.8	10	1500
	Gorleston	1017.9	-14	WS	4	bc	52	~~95~~	6	2	-	-	4.6	4.6	2500
	Cranwell	1017.5	-12	SWW	5	c	54	85	6	7	3	-	7.8	7.8	2500
3	Cardington	1020.0	-16	WS	4	c	54	85	7	5	-	-	9+	9+	1500
	Birmingham	1019.7	-8	WSW	4	c	52	85	8	6	3	-	4.6	10	1500
	Upper Heyford	1020.8	-14	SW	4	c	54	85	7	5	7	-	4.6	7.8	800
	Leafield	1020.6	-6	SWW	4	c	51	85	7	5	4	-	9	9+	800
4	Ross-on-Wye	1020.0	-12	WSW	4	c	55	75	8	5	5	-	4.6	7.8	4000
5	Portland Bill	1023.3	-10	SWW	6	c	48	95	6	5	7	-	4.6	10	1500
	Plymouth	1025.5	-12	WSW	4	o/d	49	95	6	5	-	-	10	10	<150
	Falmouth	1027.2	-4	WSW	6	~~3dd~~	49	95	3	5	-	-	10	10	800
	Scilly (St. Mary's)	1026.7	-4	WS	5	f	50	95	2	5	-	-	10	10	<150
	Guernsey	1026.9	-8	WSW	4	c	49	95	7	5	-	-	9	9	2500
6	Pembroke	1021.7	-4	W	4	f-	48	95	2	5	-	-	10	10	<150
7	Holyhead	1017.8	-8	SWW	5	c	51	95	6	5	-	3	9	9	2500
	Chester (Sealand)	1017.9	-10	WSW	3	c	57	75	8	5	-	-	7.8	7.8	1500
8	L'pool (Bidston)	1017.2	-10	SWW	4	c	53	85	9	5	-	-	7.8	7.8	4000
9	Harrogate	1015.0	-20	SWS	5	id.	50	95	7	6	-	-	9	9	2500
10	Spurn Head	1015.4	-6	W	4	bc	52	85	6	2	-	-	4.6	4.6	4000
	Tynemouth	1012.6	-16	W	4	c	53	75	6	6	-	-	7.8	7.8	1500
11	Inchkeith	1007.9	-16	WSW	5	c	49	95	7	5	7	-	4.6	9	2500
	Leuchars	1007.0	-14	WSW	6	c	54	85	7	5	-	1	7.8	7.8	1500
12	Renfrew	1010.7	-6	WSW	4	r. r.	50	95	6	6	-	-	10	10	800
	Eskdalemuir	1010.9	-20	WS	6	ir	49	95	6	6	-	-	10	10	800
13A	Tiree	1008.8	+2	WSW	6	m	49	95	4	5	-	-	10	10	<150
13B	Stornoway	1001.1	-4	W	6	c	50	95	7	6	6	-	7.8	9	4000
15	Dalwhinnie	1005.8	~~-14~~ ~~-4~~	W	5	c	47	~~85~~	8	4	~~-5~~	-	~~7.8~~	~~10~~	4000
	Aberdeen	1002.8	-20	SW	4	bc	55	65	8	7	9	-	1	2.3	2500
	Wick	999.1	-20	SW	3	c	51	95	8	8	-	-	10	10	2500
16	Lerwick	998.2	-40	ES	1	d. d.	35	95	6	8	-	-	10	10	800
17	Blacksod Point	1016.5	0	W	4	m/f	50	95	4	-	2	-	0	10	220
18	Malin Head	1011.9	-4	W	5	o	50	95	6	6	-	-	10	10	~~450~~
	Aldergrove	1014.2	-18	SSW	5	c	51	95	8	5	-	-	9+	9+	800
	Donaghadee	1013.4	-16	WS	4	c	55	85	8	5	-	-	7.8	7.8	1500
19	Birr Castle	1019.7	-4	SW	1	o/d	51	95	7	6	-	-	10	10	2500
20	Valentia Obsy.	1023.3	0	SWW	3	o/d	51	95	7	5	-	-	10	10	450
	Roches Point	1022.0	0	W	4	ir	52	95	8	6	-	-	9	9	1500

OBSERVATIONS at 18h. 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)	1020.1	-6	WS	3	c	53	85	6	5	-	-	9+	9+	2500	1	*
	Croydon	1020.0	-8	WSW	4	z	52	85	5	5	2	-	9	10	800	1	*
	S. Farnborough	1020.3	-6	WS	3	c	53	85	7	5	-	-	9+	9+	800	1	*
	Winchester	1021.4	-2	WSW	3	id.	52	95	7	5	-	-	10	10	1500	1	*
	Boscombe Down	1021.7	-4	W	3	d. d.	50	95	5	5	-	-	10	10	220	1	*
	Calshot, S'thmtn	1022.2	-2	WSW	4	o	47	95	6	5	-	-	10	10	<150	0	2
	Dungeness	*	*	SW	4	z	*	*	6	5	-	*	10	10	1500	*	3
	Lympne	1020.4	-6	SWW	5	z	47	95	5	5	-	-	10	10	450	1	*
2	Shoeburyness	1019.6	-4	WSW	3	z	51	85	6	5	-	-	10	10	1500	1	*
	Felixstowe	1018.5	-4	WSW	4	z	52	95	6	5	-	-	10	10	1500	1	2
	Gorleston	1016.2	-6	WSW	4	bc	54	~~95~~	7	4	-	-	4.6	4.6	4000	0	2
	Cranwell	1015.5	-6	WSW	5	c	53	85	6	5	-	-	9+	9+	1500	0	*
3	Cardington	1017.9	-6	WSW	4	c	51	85	7	5	-	-	9+	9+	2500	1	*
	Birmingham	1017.8	-10	WSW	4	bc	52	85	8	5	3	-	4.6	4.6	1500	1	*
	Upper Heyford	1019.5	-4	SSW	3	c	49	95	7	5	-	-	10	10	800	1	*
	Leafield	1019.0	-6	SWS	3	c	48	95	6	5	3	-	9+	10	450	1	*
4	Ross-on-Wye	1018.6	-6	SWW	4	c	53	85	8	5	-	-	9	9	4000	0	*
5	Portland Bill	1022.2	+2	SWW	5	F	48	95	1	5	-	-	10	10	800	1	4
	Plymouth	1024.2	-4	W	3	id.	50	95	6	5	-	-	10	10	220	1	2
	Falmouth	1025.5	-4	WSW	4	id.	49	95	6	5	-	-	10	10	2500	1	2
	Scilly (St. Mary's)	1025.6	0	W	5	f	48	95	2	5	-	-	10	10	<150	1	4
	Guernsey	1025.7	-4	WSW	3	d. d.	49	95	5	6	-	-	10	10	1500	1	3
6	Pembroke	1020.3	-4	W	4	rf	47	95	3	5	-	-	10	10	<150	1	3
7	Holyhead	1016.3	-4	SWW	4	o	49	95	6	5	-	-	10	10	1500	1	1
	Chester (Sealand)	1016.3	-8	SWW	3	o	54	75	8	5	-	-	10	10	1500	0	*
8	L'pool (Bidston)	1015.1	-8	WSW	5	id.	52	85	8	5	-	-	10	10	1500	1	*
9	Harrogate	1013.5	+6	SW	5	r. r.	50	95	7	6	2	-	7.8	10	2500	1	*
10	Spurn Head	1013.0	0	WN	5	c	49	85	6	5	7	9	2.3	7.8	2500	0	3
	Tynemouth	1008.9	-4	WSW	4	o	54	85	6	6	-	-	10	10	1500	1	2
11	Inchkeith	1006.1	-6	SW	6	c	48	95	7	5	8	-	7.8	9+	1500	0	4
	Leuchars	1004.6	-6	WSW	5	bc	52	75	8	5	2	-	2.3	4.6	1500	1	*
12	Renfrew	1003.2	-6	SWW	4	d. d.	49	95	5	6	-	-	10	10	800	1	*
	Eskdalemuir	1008.1	-16	WNW	6	c	50	85	8	5	-	-	7.8	7.8	800	1	*
13A	Tiree	1008.7	+6	NW	3	dd.	45	95	7	5	7	-	9+	10	450	1	2
13B	Stornoway	1006.1	+20	NW	2	c	41	95	8	3	6	-	4.6	7.8	4000	1	2
15	Dalwhinnie	1005.4	-2	WNW	6	c	44	85	8	5	-	-	7.8	7.8	2500	3	*
	Aberdeen	1003.1	+8	W	3	c	52	75	8	5	4	1	4.6	9	1500	1	1
	Wick	1003.3	+46	WNW	2	c	40	95	8	8	2	-	4.6	7.8	2500	1	2
16	Lerwick	997.7	+4	WN	2	bc	37	95	7	5	-	-	4.6	4.6	1500	1	*
17	Blacksod Point	1015.7	-6	W	4	d	50	95	5	6	-	-	10	10	<150	1	3
18	Malin Head	1010.9	-2	WSW	4	dr	48	95	5	6	-	-	10	10	~~320~~	1	2
	Aldergrove	1013.0	-10	SWS	4	dd	50	95	6	5	-	-	10	10	450	1	*
	Donaghadee	1012.4	-4	WSW	3	c	53	95	7	5	-	-	9	9	1500	1	2
19	Birr Castle	1018.5	-2	SW	3	id.	51	95	7	6	-	-	10	10	2500	1	*
20	Valentia Obsy.	1022.8	+2	SW	3	o	50	95	6	5	-	-	10	10	450	1	3
	Roches Point	1021.7	0	W	3	c	52	95	8	3	-	-	7.8	7.8	1500	1	3

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. 25th (37)	13h.–18h. 25th (38)	18h. 25th to 1h. 26th (39)	1h.–7h. 26th (40)
1	London (Kew)	ocpc	czcm.	c	c
	Croydon	cm.	cm.	cm. d. r.	cm r.
	S. Farnborough	od. m. o	opr. c	cod. o	od. o
	Winchester	circ	cd.	cd. c	c
	Boscombe Down	coir. o	ocd. d. m.	oid. m.	c
	Calshot, S'thmtn	omr. c. m.	cm.	cm. o r.	or. o m.
	Dungeness	○	o	*	o
	Lympne	or. o m.	om.	om. F F	o F p. m.
2	Shoeburyness	om. c m.	om.	om.	c
	Felixstowe	om.	cz.	c3o	c
	Gorleston	oir. c	bcc bcq	bcc oq	ocq
	Cranwell	bm. bc	cm. bcc	cm.	cm. c
3	Cardington	cir. crc	c	c	c
	Birmingham	cd.	cbc	bcc	c
	Upper Heyford	oci r.	cbcc jp	c	c
	Leafield	ocrc	r. c	co	o
4	Ross-on-Wye	cbc	cbcc	cbcc	c
5	Portland Bill	cz.	CF	CRF	oif
	Plymouth	omd. d.	om. id. c	om. id	om. id.
	Falmouth	od. m. fq	of d. q	oid. m.	oid m. q
	Scilly (St. Mary's)	ffd	ffe	ffe	ffe
	Guernsey	od. id	oid dd	odrro	oidfo
6	Pembroke	p. FF	off r.	Ffir	d. ffe
7	Holyhead	cbcm.	cr. m c	c m.	r. r
	Chester (Sealand)	c	c	cir.	cir. r. r.
8	L'pool (Bidston)	oid. o	coid.	oidc	cdrr
9	Harrogate	cid.	cdrq	cord	cord
10	Spurn Head	cbc	bcc q	bc	bc
	Tynemouth	ocq	coid.	oid.	oir.
11	Inchkeith	ocpr	c	c	cbc
	Leuchars	bcc	cbc	bcc	cbc
12	Renfrew	d. bccr r.	r. d. d.	od. d. m. c	cpr. bc
	Eskdalemuir	oid. oir	oidbc	bccid.	cid. c
13A	Tiree	odrm	omcdd	cid Dd.	id. cy
13B	Stornoway	cid	cpd	bcp. r	bcps.
15	Dalwhinnie	crm.	prc	prc	cpsbc
	Aberdeen	cbcb	bbc	core	cirbc
	Wick	orrc	circ	cir	cirbc
16	Lerwick	os. s d. d.	odd cpr bc	bcp. h. bc	bccphr
17	Blacksod Point	df	df	df	rr
18	Malin Head	cd. m.	oidm m.	oDirorrm	or. m. c
	Aldergrove	om. d. c	oddm.	cddm.	crred.
	Donaghadee	c	cid. c	cir.	cir. rrc
19	Birr Castle	oid	oid.	oid.	oidorr
20	Valentia Obsy.	odfmd cir	oid.	d. d.	d. rr.
	Roches Point	cir.	cir. c	c	cir. 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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
re, 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.

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.

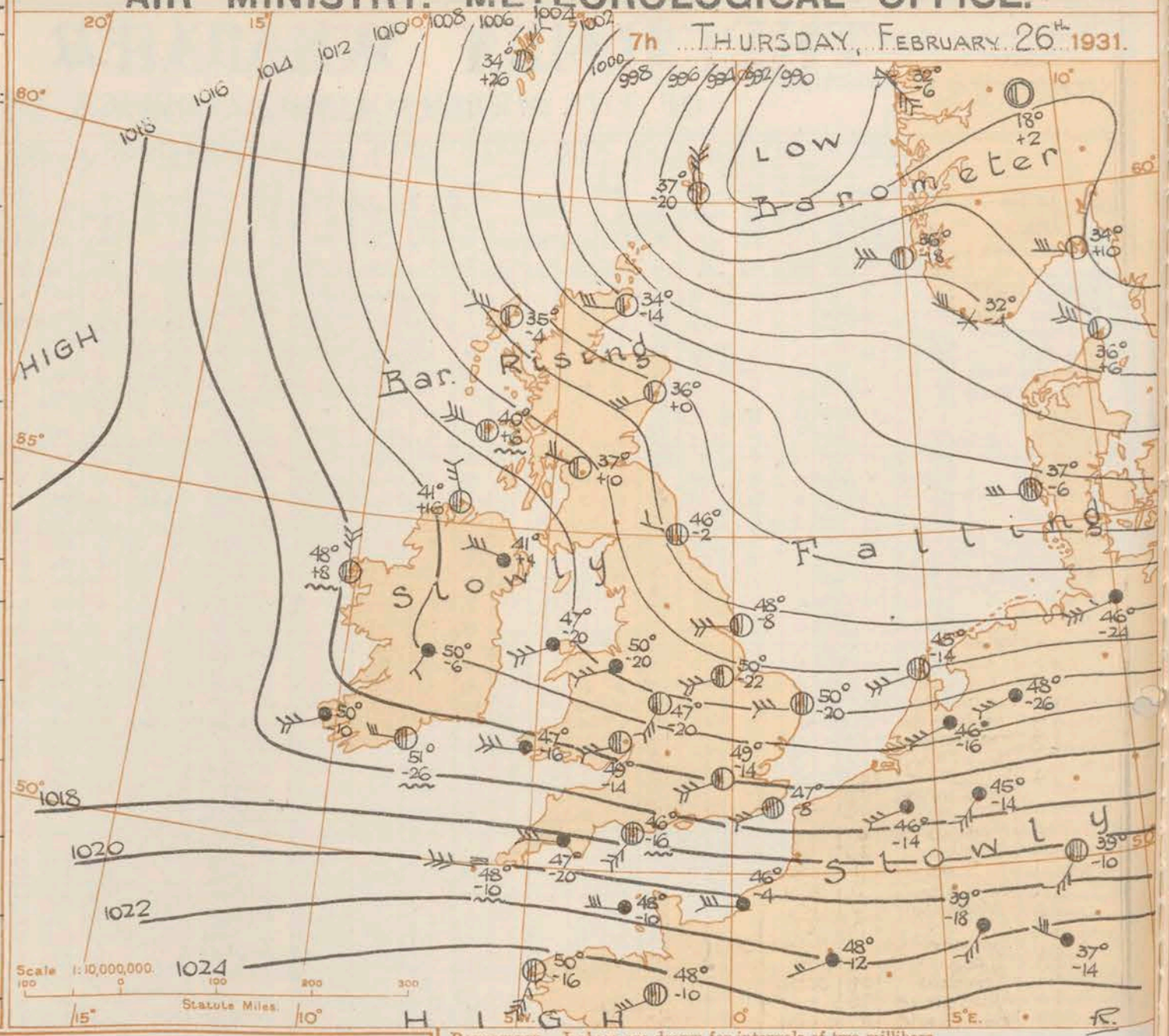
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 25th February 1931.

Dist. No.	Stations.	Weather. Forenoon.	Weather. Afternoon.	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.	o	o	32	51	–	–	0.0	3.1
	Bournemouth	oc	o	38	52	–	–	0.3	2.2
	Ventnor ...	ofpof	of	41	49	–	Tr.	0.0	7.3
	Southsea ...	o	o	39	51	0.4	–	0.0	6.4
	Bognor Regis	c	c	38	50	–	–	0.0	7.7
	Littlehampton	opo	o	37	48	Tr.	0.2	0.0	9.0
	Worthing ...	o	o	39	49	Tr.	–	0.0	8.0
	Brighton ...	odoc	co	35	46	–	Tr.	0.0	8.5
	Eastbourne†	for.o	of of	41	48	Tr.	Tr.	0.0	8.7
	Hastings† ...	omd.o	od.o	39	49	0.1	0.2	0.0	8.6
	Folkestone ...	or.om	om	38	50	Tr.	–	0.0	7.0
	Dover... ...	o	oc	37	49	0.1	–	0.0	6.3
	Deal	co	c	37	51	–	–	0.0	4.6
	Ramsgate ...	c	cbc	37	52	–	–	0.0	6.4
	Margate ...	c	cbc	38	53	–	–	0.0	7.3
2	Southend ...	ocr.	co	34	50	Tr.	Tr.	0.1	2.8
	Maldon ...	oc	co	36	55	–	–	0.7	6.4
	Clacton-on-Sea	og	ogc	34	53	0.4	–	0.3	7.2
	Dovercourt ...	roc	bcc	39	56	0.5	–	1.96	5.3
	Lowestoft ...	cbc	bcc	32	54	1	–	4.1	5.5
	Skegness ...	ombc	bcom	35	58	–	–	4.9	2.9
	Mablethorpe	cbcb	bbccz	39	58	Tr.	–	5.3	2.3
	Cleethorpes ...	b bc	o	37	59	–	–	7.2	2.0
3	Leamington S.	ocbc	co	42	56	–	–	0.6	4.0
4	Cheltenham†	orbc	c	41	52	Tr.	0.5	2.4	4.6
5	Bath	cir.	cir.	35	52	2	Tr.	0.0	5.9
	Weymouth ...	mc	cf	43	53	0.1	–	0.4	7.2
	Jersey ...	du	dc	42	49	Tr.	0.6	0.0	5.2
	Torquay ...	p.cm	coez3.	43	53	0.2	Tr.	0.0	4.5
	Penzance ...	om	of	46	52	0.5	–	0.0	0.6
	St. Ives ...	c	o	45	52	Tr.	–	0.0	1.4
	Bude	od	odm	44	49	5	0.3	0.0	1.1
	Ilfracombe ...	ofd	ofzdz	44	50	3	0.6	0.0	0.8
6	Aberystwyth	omro	iDr	42	46	2	1	0.0	0.4
7	Llandudno ...	c	cr.c	42	53	0.3	0.2	1.7	2.3
	Colwyn Bay...	oc	bcoro	42	56	0.5	0.3	0.6	3.0
	Rhyl	cbc	c	36	58	0.1	–	0.6	2.0
8	Wallasey ...	dir.	bccop	38	56	0.5	0.3	0.7	1.2
	Southport‖ ...	od.o	ocodo	43	49	1	Tr.	0.0	0.2
	Blackpool ...	od	o	34	47	1	0.1	0.0	0.1
	Morecambe ...	3mor	crcro	32	47	7	1	0.0	0.0
9	Ilkley... ...	moir.	oirm	33	51	3	0.5	0.0	0.0
10	Berwick-on-T.	bc	c	31	55	–	–	3.9	0.0
11	Dunbar ...	c	c	37	55	–	–	1.5	0.0
12	Douglas ...	cbm.c	idcbc	40	53	1	0.3	1.5	0.4

† 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 the wind. Number of feathers indicate Beaufort force. Calm. = ⊙
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :—
○ Clear sky. ◐ Sky less than 5/10 clouded. ◑ Sky 5/10 to 8/10 clouded. ◕ Sky 9/10 to 10/10 clouded. ● Overcast sky.
● Rain falling. ✱ Snow. ▲ Hail. ≡ Fog. ≡ Mist. ⊤ 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. 26th Feb. 1931.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Fresh westerly wind, veering and moderating; dull, some rain, probably improving later; mild at first, then colder.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Moderate northwest wind, fresh locally; bright intervals; local wintry showers; colder.
13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Fresh northwest wind, strong locally at first; showers of snow, sleet or hail; bright intervals; cold.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate or fresh northwest winds; variable sky, some showers; sleet or snow showers locally later; becoming colder.

GENERAL INFERENCE.

Pressure is high over the Bay of Biscay and Greenland and low over Scandinavia. A cold northwest wind current is extending over the British Isles. There will be some rain in the South and local wintry showers in the North.

FURTHER OUTLOOK.

Rather cold generally, with bright intervals but local wintry showers, chiefly in the North.

Forecasts issued at 0945 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2. Pk. 2459/2/89 m 28 D 6026 W 508 28280 2/3.

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, 26th February 1931.

No. 25298

OBSERVATIONS at 1 hr. G.M.T. 26th 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	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1018.5	-10	WSW	4	ir₀	51	95	7	5	2	-	4-6	10	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1020.4	-14	WSW	3	ir₀	47	95	7	5	-	-	10	10	800
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1017.9	-18	WSW	4	F	47	95	1	5	-	-	10	10	<150
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1013.3	-6	W'S	4	0	52	85	7	5	-	-	10	10	1500
	Cranwell	240	1013.0	-4	WSW	5	c	52	85	6	5	2	-	7-8	10	1500
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1020.7	-10	WSW	5	F	48	95	1	5	-	-	10	10	<150
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1024.6	-6	W	3	0	47	95	7	5	-	-	10	10	2500
	Scilly (St. Mary's)	163	1024.4	-6	W'N	6	f	47	95	2	5	-	-	10	10	<150
	Guernsey	175	1023.8	-8	W	4	o/pr	49	95	5	5	-	-	10	10	1500
6	Pembroke	142	1018.9	-6	W	5	df	46	95	2	5	-	-	10	10	450
7	Holyhead	26	1014.0	-10	SW	5	c	49	95	6	5	-	-	10	10	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1003.7	-6	W	5	c	50	85	7	5	2	-	4-6	10	4000
	Tynemouth	67	1007.0	-16	W	4	0	51	95	7	6	-	-	10	10	1500
11	Inchkeith	190	1006.6	+2	SW	4	c	45	85	8	5	2	-	2-3	9+	5700
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1005.7	+4	NW	2	c	35	95	7	9	1	-	4-6	7-8	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1002.7	-6	WSW	2	ir	35	95	8	9	1	-	7-8	10	1500
16	Lerwick	54	995.6	-22	W'N	4	c	38	65	7	8	2	2	4-6	4-8	1500
17	Blacksod Point	18	1012.3	-12	W	4	d	50	95	5	6	-	-	10	10	<150
18	Malin Head	52	1010.1	+2	NW'N	2	r₀r₀	44	95	5	6	-	-	10	10	800
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1019.1	-14	SW	4	m	49	95	4	3	-	-	10	10	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 26th 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)	1015.0	-10	W'S	4	c	50	85	8	5	-	-	10	10	1500	0	*
	Croydon	1015.2	-14	WSW	5	c	49	85	7	5	-	-	10	10	800	1	*
	S. Farnborough	1015.3	-18	WSW	4	0	49	85	7	5	-	-	10	10	800	1	*
	Winchester	1016.6	-14	WSW	4	c	48	95	7	5	-	-	10	10	800	1	*
	Boscombe Down	1016.8	-14	W	4	c	47	95	8	5	2	-	9	10	800	1	*
	Calshot, (S'thmtn)	1017.4	-16	WSW	5	0	46	95	6	5	-	-	10	10	450	0	2
	Dungeness	*	*	SW	5	3	*	*	5	5	-	*	10	10	1500	*	3
	Lympne	1015.2	-8	WSW	4	o/pr	47	95	6	5	-	-	10	10	450	1	*
2	Shoeburyness	1013.6	-20	WSW	4	c	49	95	7	5	7	-	4-6	7-8	1500	0	*
	Felixstowe	1012.7	-10	W	4	c	49	95	7	5	-	-	10	10	1500	1	3
	Gorleston	1009.4	-20	W'S	4	0	50	95	6	6	-	-	10	10	1500	0	3
	Cranwell	1009.4	-22	WSW	5	c	50	85	8	6	1	-	9	10	800	0	*
3	Cardington	1012.8	-16	WSW	4	c	47	95	7	5	-	-	10	10	1500	1	*
	Birmingham	1011.5	-20	SW	4	c	47	95	8	5	2	-	4-6	9+	1500	1	*
	Upper Heyford	1014.2	-22	SW	5	c	46	95	7	5	2	-	7-8	10	450	1	*
	Leafield	1013.8	-14	SWW	5	0	45	95	7	5	-	-	10	10	220	1	*
4	Ross-on-Wye	1013.8	-14	SW'W	4	c	49	85	8	6	1	-	7-8	9+	2500	1	*
5	Portland Bill	1017.8	-8	SW'W	5	0	47	95	6	5	-	-	10	10	800	1	4
	Plymouth	1020.0	-20	W	4	id₀	47	95	6	5	-	-	10	10	220	1	2
	Falmouth	1020.9	-10	WSW	5	id₀	47	95	5	5	-	-	10	10	1500	1	3
	Scilly (St. Mary's)	1021.1	-10	W	6	f	48	95	2	5	-	-	10	10	<150	1	4
	Guernsey	1021.6	-10	W	3	id	48	95	4	6	-	-	10	10	800	1	3
6	Pembroke	1014.3	-16	W	5	of	47	95	3	5	-	-	10	10	450	1	3
7	Holyhead	1010.2	-20	WSW	5	rr	47	95	5	6	-	-	10	10	450	1	3
	Chester (Sealand)	1009.8	-20	WSW	4	r₀r₀	50	85	7	6	-	-	10	10	2500	1	*
8	L'pool (Bidston)	1009.1	-12	SWW	4	r₀r₀	48	95	7	6	-	-	10	10	1500	1	*
9	Harrogate	1007.6	-10	SW'S	3	dd	47	95	6	6	2	-	9	10	2500	1	*
10	Spurn Head	1006.4	-8	W	5	c	48	95	7	5	-	-	9+	9+	4000	0	3
	Tynemouth	1005.8	-2	WNW	1	0	46	85	7	6	-	-	10	10	1500	1	1
11	Inchkeith	1006.1	0	W	3	bc	40	85	8	5	4	-	2-3	2-3	4000	0	1
	Leuchars	1006.2	+6	WNW	3	bc	40	75	8	5	-	-	4-6	4-6	2500	1	*
12	Renfrew	1008.7	+10	WNW	2	bc	37	75	7	8	-	1	2-3	2-3	2500	1	*
	Eskdalemuir	1006.8	+6	NNW	3	c	38	75	9	5	4	-	2-3	7-8	1500	1	*
13A	Tiree	1009.9	+6	NW'W	5	c	40	85	9	5	3	-	9	10	2500	1	4
13B	Stornoway	1005.8	-4	WNW	4	bc	35	75	7	9	-	-	4-6	4-6	4000	6	2
15	Dalwhinnie	1006.4	+2	NW	4	bc	32	75	8	5	-	-	4-6	4-6	4000	6	*
	Aberdeen	1004.6	0	WSW	3	bc	36	85	8	8	-	-	2-3	2-3	2500	1	1
	Wick	1000.8	-14	W	3	bc	34	95	8	8	4	8	2-3	4-6	2500	1	1
16	Lerwick	991.9	-20	N	5	c/pk(c)	37	95	7	8	2	-	4-6	9	1500	1	*
17	Blacksod Point	1013.8	+8	N	5	c	48	75	7	-	2	-	0	10	-	1	4
18	Malin Head	1011.2	+16	NNW	4	cjp	41	75	8	8	7	-	4-6	9	2500	0	3
	Aldergrove	1011.1	+4	WNW	4	id₀	41	95	7	5	2	-	7-8	10	1500	1	*
	Donaghadee	1009.6	+2	NW	3	c	43	95	7	5	2	-	7-8	9	800	1	2
19	Birr Castle	1012.0	-8	SW	1	rr	50	95	6	6	-	-	10	10	1500	1	*
20	Valentia Obsy.†	1015.7	-10	WSW	5	ir₀	50	95	4	5	-	-	10	10	450	1	-
	Roches Point	1015.2	-26	W	3	c	51	95	8	3	-	-	9	9	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 25th Hrs. (36)
1	London (Kew)	54	49	47	Tr.	-	0.3
	Croydon	53	49	47	-	Tr.	0.0
	S. Farnborough	54	48	47	Tr.	Tr.	0.0
	Winchester	53	48	47	0.1	Tr.	0.0
	Boscombe Down	54	46	46	0.2	0.2	-
	Calshot, (S'thmtn)	49	45	44	0.1	Tr.	0.0
	Dungeness	49	49	*	Tr.	0.1	*
	Lympne	48	46	45	0.1	0.1	0.0
2	Shoeburyness	54	48	47	-	-	0.4
	Felixstowe	54	47	45	-	-	0.7
	Gorleston	56	50	48	Tr.	-	3.2
	Cranwell	56	49	48	-	-	5.7
3	Cardington	57	46	45	0.3	Tr.	1.3
	Birmingham	53	47	46	Tr.	-	0.5
	Upper Heyford	55	45	44	Tr.	-	*
	Leafield	52	44	43	0.3	-	0.0
4	Ross-on-Wye	57	48	45	-	-	3.5
5	Portland Bill	49	45	*	Tr.	1	*
	Plymouth	51	47	46	Tr.	0.3	0.0
	Falmouth	52	47	*	Tr.	Tr.	0.0
	Scilly (St. Mary's)	50	47	*	0.1	0.5	0.0
	Guernsey	50	46	47	0.6	3	0.1
6	Pembroke	49	45	*	0.1	1	0.0
7	Holyhead	52	47	46	0.6	5	1.8
	Chester (Sealand)	53	50	47	-	1	2.8
8	L'pool (Bidston)	55	47	47	0.1	6	0.7
9	Harrogate	51	47	46	0.4	5	0.5
10	Spurn Head	53	47	*	-	-	6.7
	Tynemouth	55	46	36	0.1	1	*
11	Inchkeith	50	40	37	1	-	0.9
	Leuchars	56	39	35	-	-	4.9
12	Renfrew	52	37	33	3	1	0.0
	Eskdalemuir	50	38	35	2	2	0.1
13A	Tiree	49	38	34	2	1	0.0
13B	Stornoway	51	34	*	2	1	1.8
15	Dalwhinnie	48	31	29	3	1	0.7
	Aberdeen	59	35	30	-	1	4.3
	Wick	53	33	*	4	2	*
16	Lerwick	37	34	*	3	3	0.1
17	Blacksod Point	50	43	*	2	9	*
18	Malin Head	50	41	*	2	11	0.0
	Aldergrove	51	41	39	0.2	7	0.0
	Donaghadee	56	42	*	0.1	5	*
19	Birr Castle	52	48	48	0.1	9	0.0
20	Valentia Obsy.†	51	49	49	2	2	0.0
	Roches Point	53	49	*	2	1	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations.

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon (24 hrs. ended 9h.)	Weather Night (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
KEW	18	ocp₀c	c3₀cm₀	c	54	49	47	Tr.	-	0.3	*	*	8
CROYDON	217	cm₀	cm₀	cmdr₀	53	49	47	-	Tr.	0.0	*	*	6
GREENWICH (Royal Observatory)	149	c	c d₀c	c	55	49	44	Tr.	-	0.0	81	83	5
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.3	*	*	*
WESTMINSTER (St. James' Park)	27	*	*	*	55	47	45	0.3	*	0.2	80	86	*
REGENTS PK. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	0.0	*	*	*
CAMDEN SQUARE	110	oc	co	*	52	48	48	-	-	*	*	86	*
KENSINGTON PALACE	80	oco	co	*	55	49	45	-	-	*	At 18h. 87	88	*
HAMPSTEAD OBSERVATORY	450	odc	co	*	53	45	41	Tr.	Tr.	0.1		90	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 26th

SOUTH KENSINGTON. Max.	Time.	Min.	Time.
0.8	9h 25m	<0.3	0h-7h 26th

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0.2	15h 25m	<0.1	23h 25m to 6h 26th

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.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day. mm.	Rainfall Night. mm.
PARIS	1026.6	WSW	5	d₀d₀	48	1021.8	-	2	id₀	48	48	48	Tr.	0.2
BRUSSELS	1021.6	SW	3	o/d	45	1015.2	WSW	4	d₀d₀	46	45	45	5	1
BERLIN	1017.5	WSW	4	id₀	37	1009.1	SW	3	c	41	39	36	1	0.4
ZÜRICH						1025.9	SW	1	3	36		30		Tr.
ROME	1019.5	N	5	bc	48	1023.0	NNE	4	0c	36	61		—	

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 27th February 1931.

No. 25299

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)	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)...	1011.9	-18	WSW	4	dd	50	95	5	6	-	-	10	10	800
	Croydon ...	1012.7	-18	WSW	5	dodo	51	95	5	6	-	-	10	10	800
	S. Farnborough	1012.4	-22	WSW	5	dd	51	95	6	6	-	-	10	10	800
	Winchester ..	1013.5	-20	WSW	5	dod	50	95	6	5	-	-	10	10	800
	Boscombe Down	1013.6	-18	~~SES~~ W	~~6~~ 5	ido	51	95	6	6	2	-	9+	10	450
	Calshot, S'thmtn	1014.4	-26	WS	5	ido	49	95	6	5	-	-	10	10	450
	Dungeness ...	*	*	SW	5	r	*	*	5	8	-	*	10	10	800
	Lympne ...	1012.7	-20	WSW	5	rr	47	95	5	6	-	-	10	10	220
2	Shoeburyness	1011.4	-6	WSW	5	roro	51	95	6	6	-	-	9+	9+	1500
	Felixstowe ...	1009.9	-18	WS	4	iro	52	85	8	5	2	-	7-8	10	1500
	Gorleston ...	1007.4	-12	W	4	roro	50	95	6	6	-	-	10	10	1500
	Cranwell ...	1008.7	+4	WNW	5	iro	48	85	6	5	-	-	10	10	2600
3	Cardington ...	1009.7	-14	WSW	5	c	52	85	7	5	-	-	9+	9+	800
	Birmingham ...	1011.2	+2	NNW	5	id	44	95	5	6	-	-	9+	9+	800
	Upper Heyford	1011.4	-10	W	5	o	52	85	8	6	-	-	10	10	800
	Leafield ...	1010.9	-14	WSW	5	c	50	85	8	5	-	-	9+	9+	800
4	Ross-on-Wye ...	1011.6	-8	W	3	c	54	85	8	5	-	- 2	~~4-6~~ 10	10	2500
5	Portland Bill...	1014.7	-22	WSW	7	o	49	96	6	5	-	-	10	10	1500
	Plymouth ...	1017.2	-10	WSW	4	dd	49	95	6	5	-	-	10	10	220
	Falmouth ...	1019.1	-6	W	6	roro	51	95	6	6	-	-	10	10	2500
	Scilly (St. Mary's)	1018.9	-10	W	6	o/r	50	95	2	5	-	-	10	10	<150
	Guernsey ...	1019.7	-14	WSW	5	ido	50	95	6	6	-	-	10	10	1500
6	Pembroke ...	1013.5	+8	W	4	z	48	95	6	9	-	-	9+	9+	800
7	Holyhead ...	1014.0	+22	NNW	5	c/r	44	75	7	5	1	-	7-8	9+	2500
	Chester (Sealand)	1013.1	+26	NWN	5	c/r	43	75	8	5	-	-	9+	9+	1500
8	L'pool (Bidston)	1012.7	+16	WNW	4	c	41	75	6	9	2	-	2-3	9+	1500
9	Harrogate ...	1009.4	+10	WN	4	bc	42	65	9	6	7	9	1	4-6	4000
10	Spurn Head ...	1006.8	+2	N'W	6	q	43	85	7	3	3	-	4-6	10	4000
	Tynemouth ...	1008.1	+10	NW	3	bc	42	55	7	2	-	-	4-6	4-6	2500
11	Inchkeith ...	1008.3	+4	W	4	c	41	65	8	1	6	-	4-6	7-8	4000
	Leuchars ...	1007.4	+2	WNW	6	bc	43	55	9	1	-	8	2-3	2-3	2500
12	Renfrew ...	1010.9	+10	WN	3	bc	40	55	8	8	-	-	4-6	4-6	4000
	Eskdalemuir ...	1010.4	+10	NNW	4	pso	37	55	8	8	-	9	4-6	7-8	1500
13A	Tiree ...	1011.7	+6	NWW	6	bc	40	75	9	3	-	3	2-3	2-3	1500
13B	Stornoway ...	1007.2	+12	NW	2	ph(r)	40	85	8	3	6	-	4-6	7-8	4000
15	Dalwhinnie ...	1008.1	+8	NW	2	bc	36	85	8	-	4	-	0	4-6	-
	Aberdeen ...	1004.3	+2	WNW	6	bc	42	55	8	1	3	-	2-3	2-3	2500
	Wick ...	1003.5	+24	WNW	3	prs	38	95	8	9	1	-	4-6	7-8	1500
16	Lerwick ...	1001.7	+50	NNE	8	ph(r)	38	95	7	8	6	-	4-6	7-8	1500
[illegible]	Blacksod Point	1017.9	+20	N	5	bc	45	65	8	8	-	-	4-6	4-6	1500
	Malin Head ...	1014.1	+12	NW	5	Cjp	42	55	8	8	-	-	9	9	2500
	Aldergrove ...	1014.6	+14	WNW	4	c	42	65	8	5	3	1	7-8	9	2500
	Donaghadee ...	1013.5	+12	NW	4	c	43	75	8	8	-	2	4-6	7-8	2500
19	Birr Castle ...	1016.6	+20	NNW	1	c	45	85	8	8	-	-	9+	9+	2500
20	Valentia Obsy.	1018.1	+10	NWN	4	c	49	95	7	5	2	-	7-8	10	800
	Roches Point...	1015.4	+4	N	5	c	53	85	8	3	-	-	7-8	7-8	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	1014.3	+28	NNW	4	o	45	85	5	5	-	-	10	10	800	1	*
Croydon	1013.9	+22	NWN	4	roro	47	85	5	6	2	-	7-8	10	800	1	*
S. Farnborough	1013.8	+20	NW	3	dd	46	95	5	6	-	-	10	10	450	1	*
Winchester	1014.4	+18	N	4	ido	46	95	7	5	-	-	10	10	800	1	*
Boscombe Down	1014.1	+10	NW	4	ido	49	95	6	6	2	-	~~7-8~~ 9+	10	450	1	*
Calshot, S'thmtn	1013.6	+2	WNW	4	c/d	52	85	6	5	7	-	7-8	10	800	1	2
Dungeness	*	*	SW	5	c	*	*	6	5	4	*	4-6	7-8	1500	*	3
Lympne	1012.0	+6	WSW	4	df	47	95	3	5	-	-	10	10	<150	1	*
Shoeburyness	1012.5	+20	NW	4	c/r	45	95	6	5	-	-	9+	9+	1500	1	*
Felixstowe	1011.7	+26	WNW	3	iro	47	85	6	6	2	-	7-8	10	1500	1	2
Gorleston	1010.3	+24	NNW	4	o	42	95	6	6	-	-	10	10	2600	1	2
Cranwell	1012.7	+32	WNW	4	c	40	65	6	5	-	1	7-8	7-8	2500	1	
Cardington	1013.8	+30	NW	4	c	43	55	7	5	1	8	2-3	7-8	1500	1	*
Birmingham	1016.1	+20	NNW	4	c	40	65	6	5	3	1	7-8	9	4000	1	*
Upper Heyford	1014.8	+28	NNW	4	c	41	65	6	5	2	-	7-8	10	2500	1	*
Leafield	1014.3	+20	NNW	5	c	40	75	7	-	2	-	0	9+	-	1	*
Ross-on-Wye	1015.3	+24	N	2	c	43	75	8	5	-	-	9+	9+	2500	1	*
Portland Bill	1014.3	+10	W	5	c	48	95	7	8	7	-	4-6	7-8	1500	1	4
Plymouth	1016.2	0	NW	3	c/r	50	95	6	6	3	-	4-6	7-8	800	1	2
Falmouth	1017.8	-4	WN	4	c	50	95	8	5	2	-	4-6	10	4000	1	3
Scilly (St. Mary's)	1018.4	+2	WNW	5	f	49	95	2	5	-	-	10	10	<150	1	4
Guernsey	1017.5	+2	W	3	dodo	50	95	5	6	-	-	10	10	800	1	3
Pembroke	1016.3	+20	N	3	c	43	85	7	9	-	-	10	10	800	1	2
Holyhead	1015.8	+14	N'W	5	c	43	65	8	5	-	2	9	9+	4000	1	3
Chester (Sealand)	1015.3	+16	NWN	4	c	42	65	7	6	-	8	7-8	9	4000	1	*
L'pool (Bidston)	1014.5	+8	WNW	4	bc	40	75	8	5	-	-	4-6	4-6	1500	0	*
Harrogate	1012.2	+10	W	3	b	37	65	8	1	4	-	Tr.	Tr.	4000	1	*
Spurn Head	1009.3	+12	NWN	6	bc	40	65	7	6	2	9	2-3	4-6	4000	0	4
Tynemouth	1002.7	+16	WNW	2	bc	39	65	7	2	-	-	2-3	2-3	2500	0	2
Inchkeith	1009.6	+8	W	4	bc	40	75	7	-	7	-	0	2-3	-	0	2
Leuchars	1003.6	+26	W	4	bc	39	65	9	7	6	-	1	2-3	4000	1	*
Renfrew	1012.3	+18	W	3	bc	37	76	7	8	-	-	2-3	2-3	1500	1	*
Eskdalemuir	1012.0	+16	NW	5	b	34	75	8	1	-	-	Tr.	Tr.	1500	1	*
Tiree	1012.7	+10	NWW	5	c	40	75	8	2	3	-	4-6	7-8	1500	1	3
Stornoway	1009.6	+16	-	0	bc	37	96	7	7	1	-	2-3	4-6	4000	1	2
Dalwhinnie	1010.7	+20	NNW	4	c	34	75	8	5	-	-	7-8	7-8	4000	6	
Aberdeen	1008.6	+22	WNW	4	bc/pr	37	85	8	9	-	-	4-6	4-6	1500	1	2
Wick	1007.3	+20	WNW	3	c	37	95	8	9	1	-	7-8	9	1500	1	3
Lerwick	1006.6	+30	NNE	6	c	39	85	7	5	2	-	4-6	7-8	1500	1	*
Blacksod Point	1018.8	+2	N	5	c	42	65	8	5	-	-	7-8	7-8	800	0	3
Malin Head	1014.9	+4	NW	5	bcjp	41	75	7	8	-	-	4-6	4-6	1500	0	3
Aldergrove	1016.1	+14	W	2	bc	37	85	8	8	-	1	2-3	2-3	4000	1	*
Donaghadee	1015.1	+16	WNW	2	bc	39	75	8	7	3	9	2-3	4-6	4000	0	2
Birr Castle	1018.3	+12	NW	1	c	42	65	8	-	3	2	0	9	-	1	*
Valentia Obsy.	1019.2	+8	N'E	4	c	46	85	8	8	-	1	4-6	7-8	1500	1	2
Roches Point	1017.9	+12	N	3	c	48	85	8	5	-	-	9+	9+	1500	0	3

PAST 24 HOURS. WEATHER.

Stations	7h.–13h. 26th (37)	13h.–18h. 26th (38)	18h. 26th to 1h. 27th (39)	1h.–7h. 27th (40)
London (Kew)	corrmo	odmocmo	czoybz⊕	bcmoxcmox
Croydon	cmoqror	oddrcqr	cromoyb	bmocx
S. Farnborough	odroddmo	odcoqd	dobc	bccx
Winchester	cidomo	cdmodmo o	odocbc	bcbx bcx
Boscombe Down	cid icid	cidmcdm	cdomoc	cbc
Calshot, S'thmtn	odorom	odcdo mo	cidomoqo c	cbxbc
Dungeness	o	o	*	bc
Lympne	omrrmo	ofdof	odofkqpRcbmo	bxwmo
Shoeburyness	crorm	crorom	cmo	bc
Felixstowe	cro	circqmo	cirobc	cbx
Gorleston	oqroro	oiroq	oq bcb	bcx
Cranwell	crir	crobc	czobmo	bccmox
Cardington	cprc	coprcy	cbx	bxbc
Birmingham	cprod	cido	cbc	bcc
Upper Heyford	crocq	cqdodcmo	cmobcb	bbccxs
Leafield	oroc	iroc	bcbx	bxbc
Ross-on-Wye	cdc	c	cbbcb	bxbc
Portland Bill	oiRfrroq	oc	c	c
Plymouth	omqrod	omdrbc	bc~~dm~~ mocir	cmoo
Falmouth	oidomrrq	orrmcq	cq	c
Scilly (St. Mary's)	ifr	ffe	ffe	FFec
Guernsey	oidom	oidom	oidoo	o
Pembroke	orofj	cmodo	bcc	c
Holyhead	rrkqdor	c, prc ⊕	c	c
Chester (Sealand)	rorokqd	c	bcb	bbcmo
L'pool (Bidston)	orirc	c	bcbbc	bc
Harrogate	cddbc	bcb	b	bbcx
Spurn Head	crrq	bcq	bc	
Tynemouth	oc	bc	bcb	bc
Inchkeith	bcc	bc	bc	bc
Leuchars	bcbqvy	bqvy bv	bv bx	cposbc
Renfrew	bcbcy	bcy b	bbc	bccprs
Eskdalemuir	cpsoy	cpsoyb	bpsox	bccisox
Tiree	cihrbcisq	bcpro	bccdo	c
Stornoway	bcprscph	CPR bc	bcc	cprpso
Dalwhinnie	pscbc	bcc	c	cpsc
Aberdeen	bbcq	bbcqpr	bc	bc
Wick	bcprs	cphrq	bcc	cphr
Lerwick	cphr	cphr	c	c
Blacksod Point	ir	c	c	c
Malin Head	cjpy	cphro bc	bcc	cphro
Aldergrove	cdoc	cbcpo	bcx	c
Donaghadee	prbc	bc	bbc	bcc
Birr Castle	orrc	c	c	a cx
Valentia Obsy.	oirofmir	cbcc	procir	irc
Roches Point	c	cg	cgc	cirodod

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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

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.

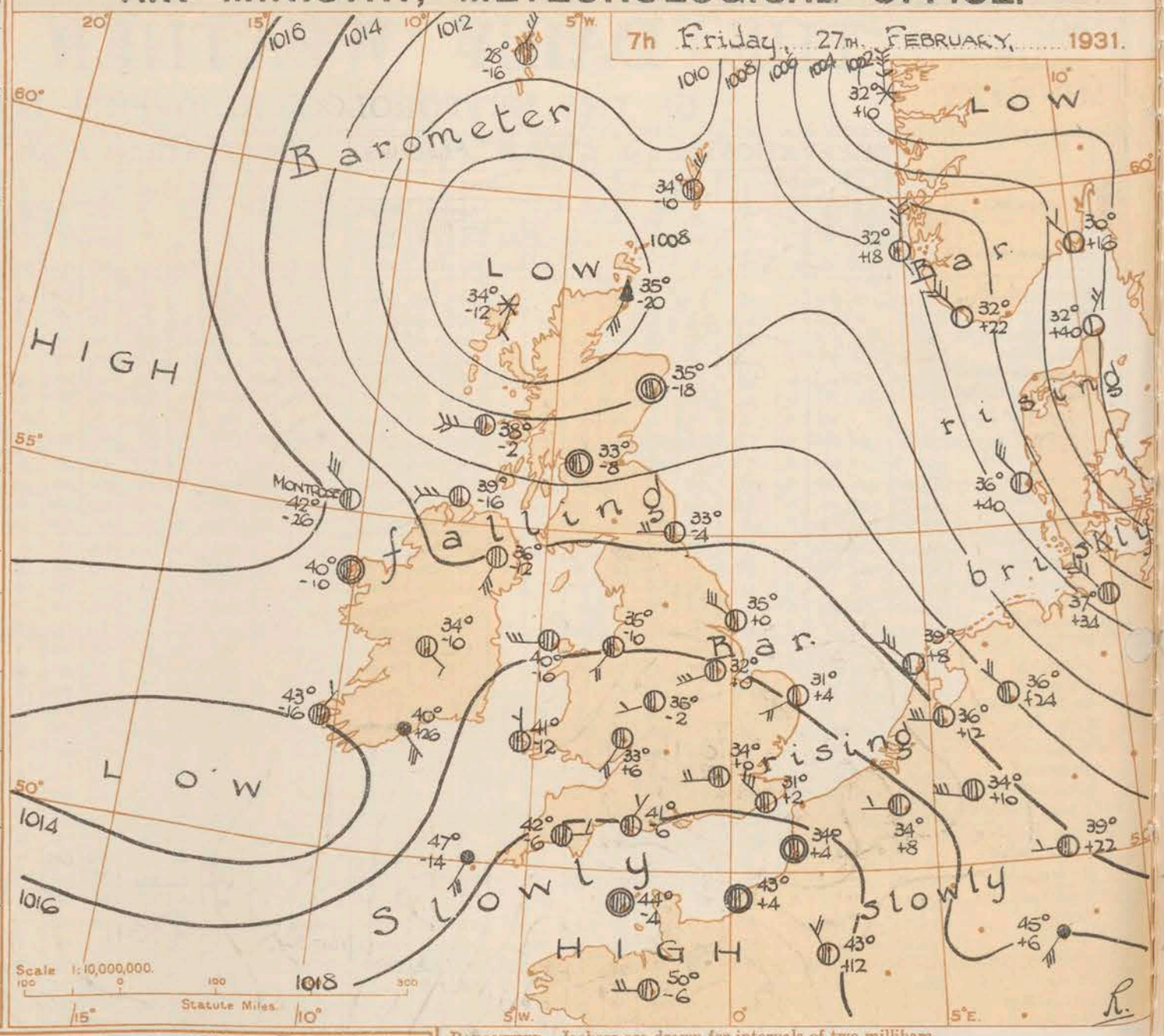
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 26th February 1931.

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.	oro	oro	45	50	Tr.	2	0.0	0.0
	Bournemouth	o	o	46	51	–	–	0.0	0.3
	Ventnor ...	oforf	rocf	45	48	Tr.	2	0.0	0.0
	Southsea ...	od.o	o rold	47	49	–	0.4	0.0	0.0
	Bognor Regis	~~ro~~	~~ecr~~	45	49	Tr.	1	0.0	0.0
	Littlehampton	oro	od.o	44	48	0.2	1	0.0	0.0
	Worthing ...	or.	or.	46	49	0.5	1	0.0	0.0
	Brighton ...	odo	odo	44	46	1	1	0.0	0.0
	Eastbourne†	morr	oro	45	47	0.6	2	0.0	0.0
	Hastings† ...	omod	orodm	45	48	0.6	2	0.0	0.0
	Folkestone ...	om.oir	m	45	49	–	1	0.0	0.0
	Dover... ...	mom	rco	45	49	Tr.	0.6	0.0	0.0
	Deal	ocr.	co	47	52	–	0.3	0.2	0.0
	Ramsgate ...	cr	rc	47	53	–	0.5	0.2	0.0
	Margate ...	cbc	cd	48	54	–	Tr.	0.5	0.0
2	Southend ...	or	ormd	45	54	–	1	0.3	0.1
	Maldon ...	cpc	ciro	49	54	–	0.5	0.0	0.7
	Clacton-on-Sea	cp	cp	45	53	–	0.4	0.0	0.3
	Dovercourt ...	ocdo	c	46	56	–	0.1	0.0	1.6
	Lowestoft ...	cropr	opr	46	49	0.2	3	0.0	4.1
	Skegness ...	om r m.o		48	51	Tr.	3	0.0	4.9
	Mablethorpe	orr	oc	50	50	0.5	3	0.5	5.3
	Cleethorpes...	mcorr	ocbc	49	~~(50)~~ 55	–	7	0.7	7.2
3	Leamington S.	oro	o	48	53	0.5	–	0.0	0.6
4	Cheltenham†	op.	op.o	45	50	Tr.	Tr.	0.0	2.4
5	Bath	rc	cd.	46	51	1	2	0.0	0.0
	Weymouth ...	mr.c	com	47	50	0.2	0.3	0.0	0.4
	Jersey ...	dc	dc	45	49	5	2	0.0	0.0
	Torquay ...	d.poe	od.rp	48	54	Tr.	0.5	0.6	0.1
	Penzance ...	ordf	ordf	47	52	2	2	0.0	0.0
	St. Ives ...	d	d	46	51	Tr.	2	0.0	0.0
	Bude	rmd	omdo	46	49	4	1	0.0	0.0
	Ilfracombe ...	rfr	ro	46	50	6	1	0.0	0.6
6	Aberystwyth	oRr	omrc	44	46	10	1	0.0	0.0
7	Llandudno ...	roc	bcc	45	45	9	1	1.2	1.7
	Colwyn Bay ...	rrr	ppoco	~~?~~ 50	~~50~~ 56	8	3	1.1	0.6
	Rhyl	orrc	cbcc	?	52	7	3	0.9	0.6
8	Wallasey ...	roc	cbc	42	44	10	0.5	0.9	0.7
	Southport‖ ...	rro	cbcc	43	44	7	1	1.3	0.0
	Blackpool ...	oro	oc	42	43	6	0.5	1.3	0.0
	Morecambe ...	rroc	b	42	44	7	–	1.7	0.0
9	Ilkley... ...	orrbc	cbc	46	48	10	2	1.0	0.0
10	Berwick-on-T.	obc	bc	40	43	–	–	6.4	3.9
11	Dunbar ...	bc	b	39	43	–	–	7.0	1.5
12	Douglas ...	cb	cb	41	43	2	–	1.2	1.5

† 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. 27th Feb. 1931.
1. S.E. England 2. E. England...	Light variable to easterly wind; dull, some rain or sleet; mist locally; rather cold.
3. E. Midlands 4. W. Midlands	Light variable wind; cloudy, local rain, sleet or snow; rather cold.
5. S.W. England 6. South Wales	Wind variable, fresh at times locally; dull, some rain and mist; variable temperature.
7. North Wales	As 1.
8. N.W. England 9. N. Midlands 10. N.E. England	Light variable wind; variable sky, local wintry showers; local morning fog; rather cold, sharp frost locally at night.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Moderate or fresh westerly wind; variable sky, wintry showers; rather cold.
13. A. W. Scotland. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Variable wind, fresh at times locally; some snow or sleet, heavy in places; bright intervals locally; cold.
17. N.W. Ireland 18. N.E. Ireland	As 7 - 10.
19. S.E. Ireland 20. S.W. Ireland	Wind mainly easterly, light or moderate; dull, rain at times, sleet locally; cold.

H.M. Stationery Office Press Kingsway, W.C.2 Dc 2499/2/65 m 26 D 6026 dc 108 28280 2/31

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with the wind. Number of feathers indicate Beaufort force. Calm. = ⊙
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :—
○ Clear sky. ◐ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 7/10 to 9/10 clouded. ● Overcast sky.
● Rain falling. ✳ Snow. ▲ 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 small depression over Northern Scotland is developing without much movement, Another depression off Southwest Ireland will move up the English Channel and deepen somewhat. Weather will be cold and unsettled, with rain or sleet in the South and wintry showers in the North. Conditions may remain fair locally between the two depressions.

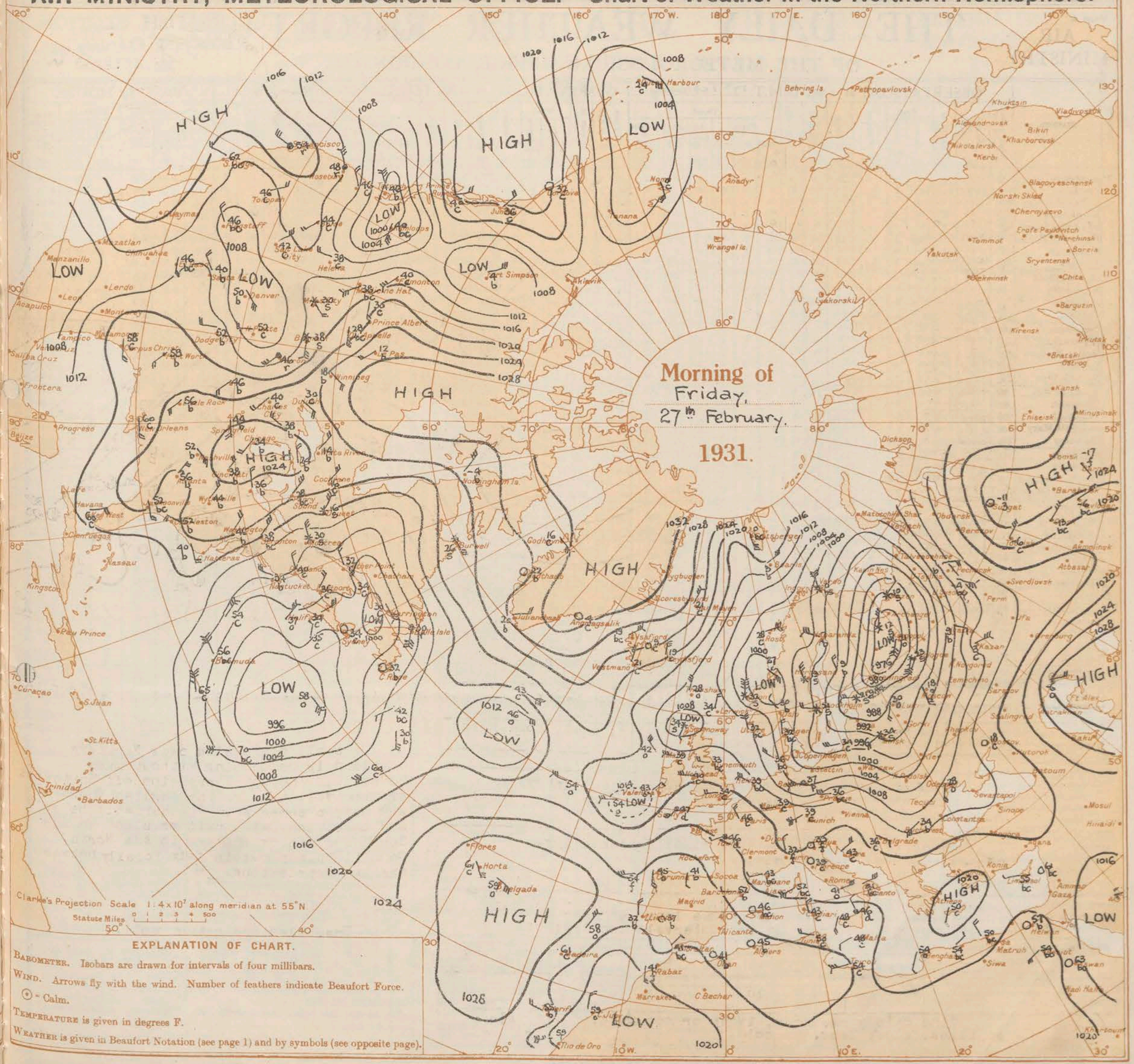
FURTHER OUTLOOK.

Unsettled and rather cold.

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.



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, 27th February 1931.

No. 25299

OBSERVATIONS at 1 hr. G.M.T. 27th 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	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1017.5	+10	W'N	3	do	37	75	6	-	-	5	0	2-3	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1018.3	+22	NNW	2	c	38	75	8	5	7	1	2-3	7-8	2500
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1016.7	+14	NW'N	3	do	35	65	6	-	-	3	0	2-3	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1014.7	+20	W'N	2	b	34	95	6	-	-	-	0	0	-
	Cranwell	240	1016.3	+12	W'S	2	bc	32	85	6	-	-	5	0	2-3	-
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1018.4	+10	NW	3	c	42	75	8	4	4	-	2-3	7-8	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1010.4	+4	-	0	c	44	95	8	5	-	-	9	9	4000
	Scilly (St. Mary's)	163	1010.2	+10	E	2	f	47	95	2	5	-	-	10	10	<150
	Guernsey	175	1018.6	+6	-	0	o	45	95	6	5	-	-	10	10	1500
6	Pembroke	142	1019.3	+8	N	3	c	40	85	8	4	2	-	7-8	9+	4000
7	Holyhead	26	1017.3	+2	NW	5	c	42	75	8	5	3	1	2-3	7-8	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1013.9	+6	NW	5	bc	37	85	7	-	1	1	0	2-3	-
	Tynemouth	67	1013.6	+10	WNW	2	bc	34	85	8	2	-	-	2-3	2-3	2500
11	Inchkeith	190	1013.4	+12	WSW	2	bc	35	95	6	-	4	-	0	2-3	-
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1010.5	-4	W	2	c	34	95	7	9	6	-	7-8	9+	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1011.6	+8	E	2	c	39	95	8	8	6	-	4-6	7-8	2500
16	Lerwick	54	1010.9	+14	NW	2	c	35	75	8	5	-	-	9+	9+	1500
17	Blacksod Point	18	1018.8	0	N	2	c	41	75	7	-	5	-	0	7-8	-
18	Malin Head	52	1015.6	0	WNW	4	c	41	75	8	5	5	-	4-6	9	2500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1019.3	-6	W	2	ro ro	42	95	5	6	-	-	10	10	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	1017.9	0	WSW	2	c	35	85	5	-	4	8	0	7-8	-	4	*
Croydon	1017.7	0	W	2	2	34	85	6	-	7	6	0	7-8	-	1	*
S. Farnborough	1018.3	0	-	0	c	31	95	7	-	4	8	0	7-8	-	1	*
Winchester	1018.4	-4	-	0	c	33	95	6	-	3	1	0	7-8	-	1	*
Boscombe Down	1018.4	0	W	1	bc	33	95	7	-	3	-	0	4-6	-	1	*
Calshot, (S'thmtn)	1018.4	0	-	0	c	35	95	7	5	7	1	1	7-8	2500	0	0
Dungeness	*	*	W	2	c	*	*	7	5	4	*	4-6	7-8	2500	*	1
Lympne	1017.2	+2	NW	3	2	31	85	6	-	3	6	0	7-8	-	1	*
Shoeburyness	1017.3	0	W	2	bc	34	85	7	-	1	-	0	4-6	-	1	*
Felixstowe	1016.9	+4	W'N	3	c	35	85	7	-	2	6	0	7-8	-	1	2
Gorleston	1015.9	+4	WSW	2	bc	31	95	6	-	2	-	0	4-6	-	0	2
Cranwell	1015.9	0	WSW	3	c	32	95	6	-	7	9	0	9	-	4	*
Cardington	1017.1	0	W	2	c	31	85	7	-	7	1	0	9	-	4	*
Birmingham	1016.9	-2	WSW	1	c	35	75	6	-	7	-	0	9+	-	1	*
Upper Heyford	1018.1	+4	W	3	c	32	85	8	-	2	4	0	7-8	-	4	*
Leafield	1017.2	-4	W'N	3	c	33	85	8	-	4	6	0	7-8	-	4	*
Ross-on-Wye	1017.6	-6	SW	2	c	33	85	8	5	2	2	2-3	7-8	4000	1	*
Portland Bill	1017.8	-6	NE	1	c	41	75	7	4	4	-	7-8	9	2500	1	3
Plymouth	1018.0	-6	E	1	o	42	85	8	5	-	-	10	10	1500	1	1
Falmouth	1018.1	-10	SE	3	c	45	75	7	5	-	-	10	10	4000	0	1
Scilly (St. Mary's)	1016.8	-14	SW'S	3	idо	47	95	4	5	-	-	10	10	1500	1	2
Guernsey	1018.4	-4	-	0	o	44	95	7	5	-	-	10	10	2500	1	2
Pembroke	1016.3	-12	N	1	c	41	75	8	4	2	-	7-8	9+	2500	1	1
Holyhead	1015.7	-10	W	3	c	40	75	9	4	3	-	4-6	9+	4000	1	2
Chester (Sealand)	1016.0	-10	SWW	2	z	35	75	6	5	7	6	1	7-8	4000	1	*
L'pool (Bidston)	1015.4	-4	SW'S	3	bc	36	85	8	5	1	8	1	4-6	2500	0	*
Harrogate	1014.6	0	SSW	2	bc	34	95	8	4	-	9	1	2-3	4000	4	*
Spurn Head	1014.9	0	WNW	3	c	35	85	6	5	-	1	4-6	7-8	4000	0	3
Tynemouth	1013.2	-4	W	2	bc	33	85	6	2	4	-	4-6	4-6	2500	4	2
Inchkeith	1011.7	-8	WSW	3	bc	35	95	7	5	1	-	2-3	4-6	800	0	1
Leuchars	1011.2	-6	WSW	3	bc/ps	32	95	7	5	-	-	4-6	4-6	2500	4	*
Renfrew	1012.2	-8	-	0	c/ps	33	95	6	8	1	-	4-6	9+	2500	6	*
Eskdalemuir	1013.5	-8	SW	1	iso	32	95	8	5	1	-	9	9+	800	4	*
Tiree	1010.4	-20	W'N	5	c	38	85	8	5	1	-	7-8	10	1500	0	3
Stornoway	1006.8	-12	SSW	1	ps	34	95	7	3	7	-	4-6	7-8	4000	6	1
Dalwhinnie	1010.0	-12	SSE	1	c	29	95	8	-	7	-	0	4-6	-	8	*
Aberdeen	1009.8	-18	-	0	c	35	85	6	8	-	-	7-8	7-8	2500	1	1
Wick	1007.3	-10	SSW	3	phr	35	95	8	8	6	-	7-8	9	1500	1	3
Lerwick	1009.4	-10	NNE	2	c	34	75	8	5	3	-	4-6	7-8	1500	4	*
Blacksod Point	1014.9	-10	-	0	c	40	95	8	-	5	-	0	9+	-	0	2
Malin Head	1016.5	-16	W	4	c/pk(r)	39	95	8	8	-	-	9+	9+	1500	0	3
Aldergrove	1014.4	-12	SW'S	3	c	36	95	8	5	1	-	9	9	4000	1	*
Donaghadee	1014.2	-8	SW	2	c	35	85	7	5	-	-	7-8	7-8	1500	0	0
Birr Castle	1015.6	-10	ESE	1	c	34	95	8	5	-	-	7-8	7-8	4000	1	*
Valentia Obsy.†	1014.1	-16	NE	1	c	43	95	8	5	-	-	10	10	800	1	*
Roches Point	1015.6	-26	SE	3	dodo	40	95	6	5	-	-	10	10	800	1	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 26th Hrs. (36)
London (Kew)	53	34	26	2	Tr.	0.0
Croydon	53	33	27	1	0.1	0.0
S. Farnborough	53	31	21	0.2	0.1	0.0
Winchester	52	31	22.5	0.2	Tr.	0.2
Boscombe Down	52	33	25	0.1	Tr.	*
Calshot, (S'thmtn)	52	35	28	0.4	0.1	0.0
Dungeness	47	31	*	0.5	Tr	*
Lympne	47	31	25	1	1	0.0
Shoeburyness	55	33	30	1	-	0.3
Felixstowe	52	34	29	0.5	Tr.	0.0
Gorleston	51	31	27	2	-	0.0
Cranwell	50	30	28	1	-	0.7
Cardington	53	30	26	Tr.	-	0.0
Birmingham	51	34	29	Tr.	-	0.0
Upper Heyford	52	30	22	0.1	-	*
Leafield	51	33	27	0.5	-	0.0
Ross-on-Wye	55	33	22	Tr.	-	0.0
Portland Bill	49	39	*	1	Tr.	*
Plymouth	52	41	40	3	Tr.	0.0
Falmouth	53	44	*	1	-	0.0
Scilly (St. Mary's)	51	45	*	3	0.5	0.0
Guernsey	50	44	41	1	1	0.0
Pembroke	49	39	*	2	-	0.0
Holyhead	48	40	35	4	-	1.4
Chester (Sealand)	50	33	27	3	-	0.9
L'pool (Bidston)	48	35	33	5	-	1.1
Harrogate	47	32	25	1	-	2.8
Spurn Head	49	34	*	7	-	0.3
Tynemouth	46	33	28	-	-	*
Inchkeith	42	34	32	-	-	6.7
Leuchars	44	29	25	-	Tr.	8.1
Renfrew	43	32	25	-	2.1	5.6
Eskdalemuir	39	31	25	Tr.	Tr.	0.0
Tiree	42	38	32	1	Tr.	5.8
Stornoway	43	32	*	2	1	4.9
Dalwhinnie	36	28	23	Tr.	2	4.8
Aberdeen	43	33	30	Tr.	-	9.0
Wick	41	34	*	5	1	*
Lerwick	40	33	*	2	-	3.2
Blacksod Point	49	40	*	0.1	-	*
Malin Head	43	38	*	Tr.	0.2	2.6
Aldergrove	43	33	26	Tr.	Tr.	2.3
Donaghadee	44	33	*	Tr.	-	*
Birr Castle	50	(34)	25	0.2	-	0.5
Valentia Obsy.†	51	41	41	2	2	1.1
Roches Point	54	38	*	-	5	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations.

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h)	Weather Afternoon (24 hrs. ended 9h)	Weather Night (24 hrs. ended 9h)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	corrmo	odmocmo	cyzωmx	53	34	26	2	Tr.	0.0	*	*	5
Croydon	217	cmqrro	ododrocqr	crcmybx	53	33	27	1	0.1	0.0	*	*	6
Greenwich (Royal Observatory)	149	cdr	crdido	cbωxcm	53	34	25	2	Tr	0.0	87	67	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Park)	27	*	*	*	53	34	28	2		0.0	85	80	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square	116	o or	or crc	*	50	35	28	2	-	*	*	78	*
Kensington Palace	80	coor	odr	*	52	35	29	2	-	*	At 18h. 84	77	*
Hampstead Observatory	450	bor	bc	*	50	30	23	2	Tr.	0.0	*	79	*

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	12-17h 26th	0.3	1-4h 27th

Kew Observatory Max.	Time.	Min.	Time.
0.2	21h 26th	<0.1	4h 27th

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.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day. mm.	Rainfall Night. mm.
Paris	1017.4	WSW	2	ir	54	1018.2	NNW	2	c	43	57		0.6	
Brussels	1010.7	W	4	dd	46	1016.7	W	1	c	34	48	32	6	3
Berlin	1000.9	W	3	rr	45	1005.3	W	4	pr	37	46	36	3	5
Zürich	1022.0	NNW	1	ro ro	39	1019.1	WNW	5	rr	43	43	37	1	7
Rome	1021.0	WSW	2	bc	45	1019.7	-	0	bcf-	34	61	32	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0.1 mm.

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 28th February, 1931.

No. 25,300.

OBSERVATIONS at 13h. G.M.T. 27th 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)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	1014.8	-.30	SW	3	c	45	66	6	5	2	-	4.6	10	2500
	Croydon ...	1015.3	-.20	SWW	3	c	44	66	7	7	7	6	4.6	9+	2500
	S. Farnborough	1014.8	-.26	SW	4	c	46	55	7	6	7	-	2.3	9+	4000
	Winchester ...	1014.3	-.30	SW	4	o	45	65	7	5	-	-	10	10	4000
	Boscombe Down	1014.6	-.30	SW	4	ir	44	75	7	6	-	-	10	10	1500
	Calshot, S'thmtn	1015.4	-.22	SWS	4	pr	45	65	8	5	7	-	4.6	10	2500
	Dungeness ...	*	*	SW	4	c	*	*	7	4	7	*	4.6	7.8	4000
	Lympne ...	1015.0	-.18	SW	3	c	43	55	8	7	7	-	2.3	9	4000
2	Shoeburyness	1015.2	-.14	W'N	1	c	43	65	7	5	1	-	7.8	9	4000
	Felixstowe ...	1015.7	-.10	W	2	c	44	66	7	5	1	9	1	7.8	2500
	Gorleston ...	1014.3	-.14	WSW	3	c	44	85	7	1	4	-	2.3	7.8	4000
	Cranwell ...	1013.0	-.24	SW	3	c	41	75	6	7	-	6	4.6	10	4000
3	Cardington ...	1014.1	-.28	WSW	3	c	45	45	8	1	4	5	7.8	9	4000
	Birmingham ...	1013.3	-.22	SW	3	c	41	65	8	6	6	-	2.3	7.8	2500
	Upper Heyford	1014.4	-.26	SW	3	c	43	55	7	1	7	6	2.3	9+	4000
	Leafield ...	1013.9	-.14	SWS	3	rs	39	65	7	6	2	-	1	10	4000
4	Ross-on-Wye ...	1012.8	-.26	SSW	2	c/ps	42	65	7	5	1	-	7.8	10	2500
5	Portland Bill...	1014.2	-.24	S	4	rr	44	85	6	6	-	-	10	10	1500
	Plymouth ...	1012.8	-.38	SSE	3	dd	45	96	5	6	-	-	10	10	450
	Falmouth ...	1013.6	-.24	SWW	4	id	49	96	4	5	-	-	10	10	450
	Scilly (St. Mary's)	1011.3	-.32	SW	4	∫	50	96	3	5	-	-	10	10	4150
	Guernsey ...	1015.5	-.24	S	1	o	47	85	6	5	-	-	10	10	2500
6	Pembroke ...	1010.6	-.34	SSE	4	ir	42	95	4	3	2	-	4.6	10	1500
7	Holyhead ...	1011.6	-.30	SWS	3	c	43	65	8	5	2	8	2.3	10	2500
	Chester (Sealand)	1012.2	-.30	SW	2	c	43	65	8	5	2	-	2.3	9+	4000
8	L'pool (Bidston)	1011.8	-.20	SWW	3	c	41	65	7	5	1	-	7.8	10	2500
9	Harrogate ...	1011.8	-.14	S	2	c	39	75	6	6	2	-	9	10	4000
10	Spurn Head ...	1011.8	-.6	WS	2	c	41	86	5	5	3	-	7.8	10	1500
	Tynemouth ...	1009.8	-.24	W	2	o/r	39	85	4	6	-	-	10	10	1500
11	Inchkeith ...	1007.7	-.26	SW	4	c	39	85	7	4	9	-	4.6	9+	4000
	Leuchars ...	1006.4	-.34	WSW	4	c	40	75	6	7	7	6	4.6	9+	4000
12	Renfrew ...	1008.1	-.24	WSW	2	pr	39	85	7	8	1	-	9	10	1500
	Eskdalemuir ...	1008.6	-.30	WS	3	c/p	37	85	7	5	1	8	9	9+	1500
13A	Tiree	1006.1	-.34	WS	6	c	43	65	8	5	7	8	7.8	9+	2500
13B	Stornoway ...	999.1	-.40	SW	4	bc	42	85	8	8	7	-	4.6	4.6	4000
15	Dalwhinnie ...	1006.2	-.28	SW	3	bc	33	96	8	4	4	-	4.6	4.6	4000
	Aberdeen ...	1004.8	-.26	SW	3	c	42	65	8	6	-	-	7.8	7.8	4000
	Wick	1002.9	-.20	WSW	4	bc	39	95	8	7	7	1	2.3	4.6	2500
16	Lerwick ...	1003.6	-.36	SE	3	rs	37	85	7	6	-	-	10	10	1500
17	Blacksod Point	1010.3	-.14	W	4	c/p	43	75	8	8	-	-	9+	9+	2200
18	Malin Head ...	1008.0	-.22	W	4	c/p	41	85	7	8	3	-	7.8	9+	1500
	Aldergrove ...	1009.2	-.30	SSW	4	c	41	85	7	5	-	8	(7.8)	9+ (7.8)	5700
	Donaghadee ...	1010.3	-.20	SW	2	c	42	75	7	5	-	-	7.8	7.8	1500
19	Birr Castle ...	1011.1	-.24	SE	1	r.r.	37	95	7	6	-	-	10	10	2500
20	Valentia Obsy.	1007.7	-.34	EN	1	rr	47	95	7	5	2	-	7.8	10	800
	Roches Point...	1009.4	-.34	SE	3	rr	48	95	6	6	-	-	10	10	800

OBSERVATIONS at 18h. G.M.T. 27th 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)...	1008.6	-.34	S	3	r.r.	41	85	6	6	-	-	10	10	1500	1	*
	Croydon ...	1009.4	-.30	S	4	r.r.	39	85	6	6	2	-	7.8	10	800	1	*
	S. Farnborough	1008.0	-.40	S	3	rr	39	96	5	6	-	-	10	10	800	1	*
	Winchester ...	1007.2	-.42	SE	4	rr	40	95	4	6	-	-	10	10	450	1	*
	Boscombe Down	1006.8	-.50	SES	4	rr	41	96	5	6	-	-	10	10	220	1	*
	Calshot, S'thmtn	1007.5	-.48	SES	3	rr	43	95	5	6	-	-	10	10	450	1	2
	Dungeness ...	*	*	SW	4	o	*	*	7	5	-	*	10	10	4000	*	3
	Lympne ...	1010.3	-.30	SW	3	c	40	75	8	5	2	-	9	10	5700	1	*
2	Shoeburyness	1009.5	-.30	SW	3	ir	41	85	7	5	-	-	10	10	1500	1	*
	Felixstowe ...	1010.3	-.28	S	3	c	41	85	7	5	2	-	7.8	10	4000	0	2
	Gorleston ...	1008.9	-.26	SSW	2	c	41	85	6	4	-	-	9+	9+	4000	0	2
	Cranwell ...	1007.6	-.28	SW	1	ir	39	75	6	5	-	-	10	10	4000	1	*
3	Cardington ...	1007.6	-.30	SWS	3	r.r.	41	85	7	6	-	-	10	10	1500	1	*
	Birmingham ...	1006.3	-.36	ESE	1	sf	34	96	2	6	-	-	10	10	800	3	*
	Upper Heyford	1006.7	-.42	SSE	3	rr	39	95	6	6	2	-	7.8	10	800	1	*
	Leafield ...	1006.0	-.40	SSE	4	rr	38	96	6	6	-	-	10	10	220	1	*
4	Ross-on-Wye ...	1006.0	-.44	S	2	r.r.	41	96	5	6	-	-	10	10	1500	1	*
5	Portland Bill...	1004.8	-.40	SSW	5	df	48	96	1	5	-	-	10	10	1500	2	4
	Plymouth ...	1005.4	-.44	SW	4	c/d	48	96	5	5	-	-	10	10	4150	2	2
	Falmouth ...	1006.5	-.40	WSW	5	r.r.	49	95	6	6	-	-	10	10	2500	1	3
	Scilly (St. Mary's)	1005.5	-.24	W	6	∫	49	95	3	5	-	-	10	10	4150	1	3
	Guernsey ...	1008.5	-.34	SSW	2	rr	49	96	6	6	-	-	10	10	1500	1	2
6	Pembroke ...	1007.1	-.36	SSW	3	F	47	95	1	5	-	-	10	10	4150	1	2
7	Holyhead ...	1006.4	-.30	SES	2	r.r.	37	95	6	6	2	-	7.8	10	800	1	0
	Chester (Sealand)	1006.2	-.32	SSE	2	r.r.	36	95	6	6	-	-	10	10	800	1	*
8	L'pool (Bidston)	1005.6	-.28	SE	2	r.r.	37	95	5	5	-	-	10	10	1500	1	*
9	Harrogate ...	1006.1	-.34	SW	1	o	38	75	5	5	-	7	2.3	10	2500	1	*
10	Spurn Head ...	1006.4	-.14	SWS	2	c	39	85	6	5	1	-	7.8	10	1500	0	4
	Tynemouth ...	1004.0	-.30	WSW	2	m	40	75	4	6	-	-	10	10	1500	0	2
11	Inchkeith ...	1001.9	-.34	SW	4	bc	37	95	7	5	2	-	2.3	2.3	1500	0	2
	Leuchars ...	1000.7	-.34	WSW	3	bc	35	95	7	4	6	1	1	2.3	4000	1	*
12	Renfrew ...	1001.7	-.38	W	4	bc	39	75	7	8	2	-	4.6	4.6	1500	1	*
	Eskdalemuir ...	1003.0	-.32	WSW	4	is	35	85	7	6	2	-	7.8	10	450	1	*
13A	Tiree	1000.7	-.16	NW	5	PB	39	75	8	5	7	-	9	9+	1500	1	3
13B	Stornoway ...	997.3	-.4	NW	7	c/ps	34	85	7	9	2	-	7.8	9+	4000	1	4
15	Dalwhinnie ...	999.0	-.22	W	2	c	32	95	7	8	-	-	7.8	7.8	1500	3	*
	Aberdeen ...	998.7	-.32	S	3	c	39	75	7	5	-	-	9+	9+	2500	1	1
	Wick	994.6	-.36	SW	4	c/r	38	95	8	9	1	8	4.6	7.8	1500	1	3
16	Lerwick ...	995.9	-.40	-	0	ss	33	95	3	6	-	-	10	10	1500	7	*
17	Blacksod Point	1007.0	-.20	NW	4	c	42	65	8	-	-	-	0	7.8	-	0	3
18	Malin Head ...	1003.0	-.22	WSW	4	bc/p	40	95	7	8	3	-	4.6	4.6	1500	0	3
	Aldergrove ...	1004.8	-.26	SWS	3	ir	38	95	8	5	-	1	9	9+	2500	1	*
	Donaghadee ...	1004.5	-.28	SW	1	c/p	39	85	7	5	-	-	9+	9+	800	0	0
19	Birr Castle ...	1006.3	-.24	N	1	c/rs	36	95	7	6	1	-	4.6	10	2500	1	*
20	Valentia Obsy.	1006.5	+.10	NNE	4	c	41	95	8	8	-	-	7.8	7.8	800	1	2
	Roches Point...	1008.8	-.18	NE	3	rr	43	95	7	6	-	-	10	10	1500	1	3

PAST 24 HOURS.

Stations.	Weather. 7h.–13h. 27th (37)	Weather. 13h.–18h. 27th (38)	Weather. 18h. 27th to 1h. 28th (39)	Weather. 1h.–7h. 28th (40)
London (Kew)...	cm.czoy	czoycr	orrm.	orrcm.
Croydon ...	x bccz.	cyzor.	orrr.m.c	cr.qm.
S. Farnborough	cbccy	cyorrm	orrmor.	or.r.rron
Winchester ...	bccm.c	cdo.r.m.	orrm	orrmcm.
Boscombe Down	bccm.or.	cr.r.m.orm	orrm.m.	om.Rm.c
Calshot, S'thmtn	bccm.	cpr.corm.	orrm.r.m.	o.r.m.q.cm
Dungeness ...	bc	o	*	r
Lympne ...	cbcmcy	c	or.rmF	oRFrom.
Shoeburyness	bcc	cor.	orr	o
Felixstowe ...	bxcmcy	c	corrRR	crr
Gorleston ...	bcc	c	corrr.q.	orrq
Cranwell ...	cm.cz.	cz.or.	orzrs.m.	ossmF
Cardington ...	c ⊕	cpr.cfr.	oRR	orm.o
Birmingham ...	cbc	cors.sf	orrs	orssc
Upper Heyford	cm.y	ors.m.rr	crrorm.	om
Leafield ...	coirs.	coid.rr	orr	oc
Ross-on-Wye ...	cpr.s.	opodor	r.dmrF	obcc
Portland Bill...	corrz.	orrRFr	frrorrz.	orrc
Plymouth ...	comdx	omdrdf	om.dor	cir.
Falmouth ...	coidF	oidfr	or.r.m.	oir.m.
Scilly (St. Mary's)	dff, p	dff	ofide	cp.
Guernsey ...	o	oidor	orod.	oido
Pembroke ...	cmid	Ffrr	ffire	cP
Holyhead ...	c	r.r.	r.r.cbcb	c.h.
Chester (Sealand)	zc	r.r.	r.ss	~~c.s~~ R.s
L'pool (Bidston)	bcc	or.r	or.rrc	cp.rs
Harrogate ...	bcc	c	cos.rr	cols.
Spurn Head ...	bc	bc	cros.s	osofz
Tynemouth ...	bcairm	oir.m	obc	bc
Inchkeith ...	c	crs	bc	bcc
Leuchars ...	bccm.	cm.pr.b	bbcc	cbcx
Renfrew ...	cbmprs.	cprq.bc	bccpbc	bcx
Eskdalemuir ...	cisxcpsh	cis	cps.bc	bcc
Tiree	qxc	cirq	c	cy
Stornoway ...	bcprs.	bcP	pscbcq	bcRh
Dalwhinnie ...	cpsc	bccsfc	pscbc	bc
Aberdeen ...	bz.bc	cb	bc	bc
Wick	cbc	cpr.c.r	bcqisc	cisqc
Lerwick ...	coirs.	ors.ss	ossbcpis	ois,rs
Blacksod Point	c	c	phrqc	ss
Malin Head ...	cpr.	cbcpr.	bccphr.	cph.s.
Aldergrove ...	o	cir.	cbc	bccp
Donaghadee ...	c	c	cido.c	cbc
Birr Castle ...	cor.r.	or.rsrc	c	cr.x
Valentia Obsy.	cor.rr	crrc	pr.	pr.
Roches Point...	odorr	orr	orc	cir.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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

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.

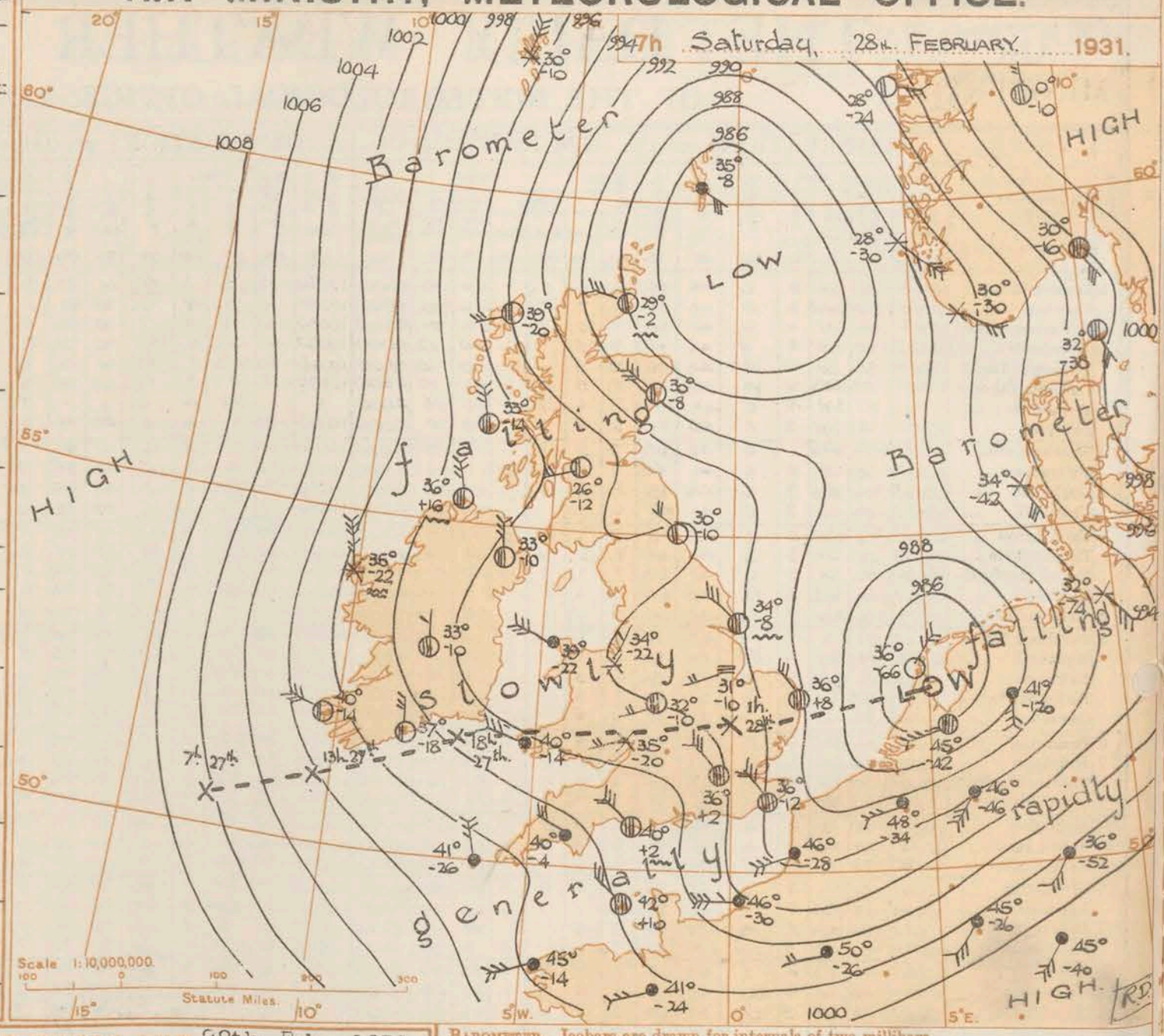
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 27th February, 1931.

District	Stations.	Weather. Forenoon.	Weather. Afternoon.	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.	bbc	co	27	46	0·5	-	3·3	0·0
	Bournemouth	mco	orf	35	47	1	3	0·1	0·0
	Ventnor ..	cou	ouor	36	49	Trace	1	1·1	0·0
	Southsea ...	bc	cor	36	49	-	1	1·3	0·0
	Bognor Regis	bccbc	bcorr	35	46	0·3	1	2·1	0·0
	Littlehampton	bc	bccr	33	45	-	1	1·8	0·0
	Worthing ...	bc	cor	34	47	Trace	0·5	2·2	0·0
	Brighton ...	bc	bcr	35	46	Trace	0·1	4·7	0·0
	Eastbourne†	bbc	bcor.c	35	47	Trace	Trace	4·9	0·0
	Hastings‡ ...	bcbbc	bcco	33	45	0·4	-	5·7	0·[illegible]
	Folkestone ...	bbc	bcco	33	47	0·3	-	3·5	0·0
	Dover... ...	mbbcc	co	35	45	0·5	-	3·8	0·0
	Deal	bbc	o	34	46	1	-	2·7	0·2
	Ramsgate ...	bc	bcc	35	43	0·6	-	2·8	0·2
	Margate ...	bc	bcc	37	44	-	-	3·1	0·5
2	Southend ...	omc	co	33	45	-	-	1·2	0·3
	Maldon ...	bcc	c	34	45	-	-	1·0	0·0
	Clacton-on-Sea	cbc	bcc	33	44	-	-	2·2	0·0
	Dovercourt ...	xbcc	bc	33	45	-	-	3·2	0·0
	Lowestoft ...	cbcb	c	31	44	-	-	4·6	0·0
	Skegness ...	mo	mbco	31	44	Trace	Trace	1·9	0·0
	Mablethorpe	cxm	com	30	44	-	-	2·3	0·5
	Cleethorpes ...	cbc	o	31	44	-	-	0·3	0·7
3	Leamington S.	co	od	32	43	-	0·6	0·5	0·0
4	Cheltenham†	cmop	opor	30	43	-	1	0·0	0·0
5	Bath	c	crr	34	45	Trace	4	0·1	0·0
	Weymouth ...	ccr	rrcf	36	47	-	4	0·0	0·0
	Jersey ...	rcz	cm	42	48	2	Trace	0·0	0·0
	Torquay ...	ord	odnd	41	50	-	2	0·0	0·5
	Penzance ...	ofd	ordf	46	51	1	3	0·0	0·0
	St. Ives ...	d	d	41	52	0·5	2	0·0	0·0
	Bude	od	od	41	49	1	1	0·0	0·0
	Ilfracombe ...	odd	fr	39	48	-	1	0·0	0·0
6	Aberystwyth	c	corr	36	41	-	4	0·0	0·0
7	Llandudno ...	c	or	39	44	-	1	0·2	1·2
	Colwyn Bay...	oc	corr	35	44	-	1	0·1	1·1
	Rhyl	c	odd	33	44	-	0·5	0·0	0·9
8	Wallasey ...	c	cfor	35	43	-	0·5	0·1	0·9
	Southport‖ ...	copc	cor	38	43	-	0·4	0·1	1·3
	Blackpool ...	cbc	co	39	46	-	-	1·9	1·3
	Morecambe ...	dpcb	b	34	42	0·3	-	0·1	1·7
9	Ilkley... ...	c	c	32	42	0·4	-	0·0	1·0
10	Berwick-on-T.	o	c	31	42	-	-	1·1	6·4
11	Dunbar ...	c	cf	33	42	-	0·3	0·1	7·0
12	Douglas ...	rcbc	cbc	35	44	-	-	1·1	1·2

† 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. 28th Feb. 1931.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Wind between west and northwest, mainly moderate; cloudy, some sleet or snow: perhaps bright intervals tomorrow; cold.
5. S.W. England 6. South Wales 7. North Wales	Wind northwest, strong at times; intermittent sleet, hail and snow; some bright intervals, cold.
8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Wind northwest, mainly moderate or light; snow showers at most places, but bright intervals; cold, sharp frost at night.
13. A. W. Scotland. B. N.W. Scotland. ♠ 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Wind northwest, strong at times; intermittent snow, heavy in places; cold.
17. N.W. Ireland ♠ 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland ♠	Wind between northwest and north, strong at times, squally; showers of snow, hail or sleet; bright intervals; cold.

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

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with the wind. Number of feathers indicate Beaufort force. Calm, -
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. 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 depression over the Northern North Sea is almost stationary while another centre over Holland is moving quickly east-northeast. Secondaries are moving southeast over the British Isles. Weather will be cold and unsettled with snow in many districts.

FURTHER OUTLOOK.

Wintry conditions for several days, with snow at times in most districts.

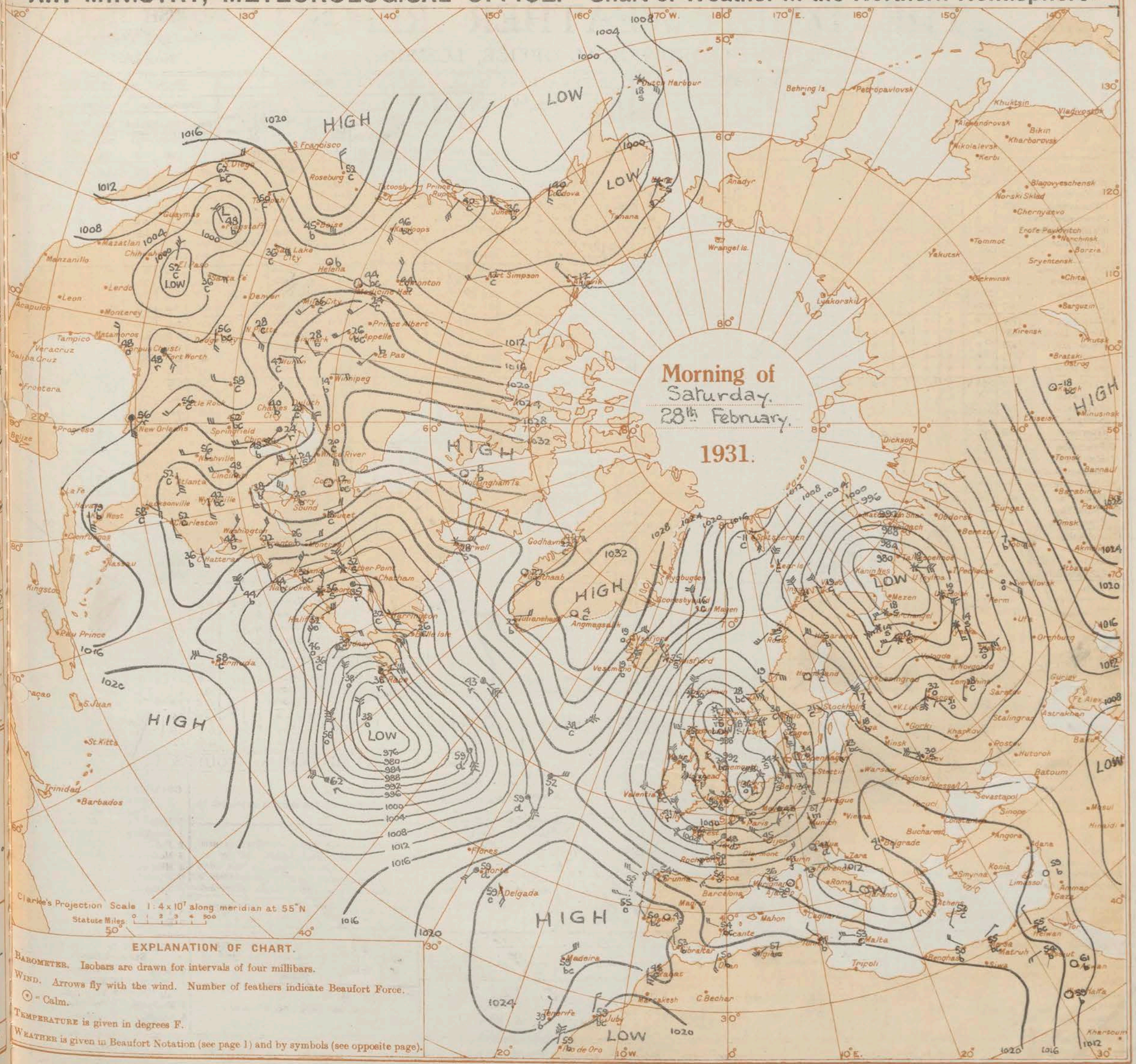
Time of issue of Gale Warning

♠ North Cone at 0820 on 28th in 13B, 17, 20.

Forecasts issued at 0955 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.



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 28th February, 1931.

No. 25300

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hrs. (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	995·4	-56	SW	5	c/r	48	95	7	5	7	-	4-6	10	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	996·4	-36	W'S	4	r.r.	47	95	6	6	-	-	10	10	450
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	995·3	-62	SW'S	6	rF	46	95	1	6	-	-	10	10	<150
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	994.6	-88	SE	5	rr	38	95	6	6	-	-	10	10	800
	Cranwell ...	240	996·1	-50	N	2	ss	32	95	4	5	-	-	10	10	450
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	995·8	-32	SW'W	6	rr	48	95	6	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1001·0	-14	NNW	5	r.r.	46	95	6	6	-	-	10	10	2500
	Scilly (St. Mary's)	163	1002·6	+6	N'W	6	c	43	95	7	8	-	-	9+	9+	4000
	Guernsey ...	175	1001·0	-30	WSW	4	d.d.	49	95	5	6	-	-	10	10	1500
6	Pembroke ...	142	999·9	+8	N	3	c	39	85	8	9	1	-	7-8	10	800
7	Holyhead ...	26	999·9	-30	NW	5	c	40	85	8	8	-	-	7-8	7-8	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	996·6	-22	NE'N	2	ss	33	95	5	6	-	-	10	10	2500
	Tynemouth ...	67	996·1	-32	WSW	2	bc	36	85	6	2	-	-	4-6	4-6	2500
11	Inchkeith ...	190	997·1	-6	W	3	bc	35	95	8	-	4	-	0	2·3	-
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	998·3	-4	NNW	6	bc	32	85	7	8	-	-	4-6	4-6	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	989·0	-8	NW	8	c	32	95	8	8	1	-	4-6	7-8	2500
16	Lerwick ...	54	987·7	-28	SE	2	is	33	95	5	6	-	-	10	10	1500
17	Blacksod Point	18	1002·2	-20	N'W	6	c	40	85	7	3	-	-	7-8	7-8	450
18	Malin Head ...	52	997·9	-18	NNE	3	c/p	38	75	7	3	6	-	4-6	7-8	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1005·9	-10	NW	3	c	41	75	7	6	-	-	10	10	2500
	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)	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)...	994·0	0	NNW	3	c	37	85	5	5	2	-	9	10	1500	1	*
	Croydon ...	994·6	+2	NW'N	4	c	36	85	6	5	-	-	10	10	800	1	*
	S. Farnborough	994·2	-2	WNW	2	z	36	95	5	6	-	-	10	10	450	1	*
	Winchester ...	994·8	-2	NW	4	c	36	85	6	5	2	-	4-6	10	1500	1	*
	Boscombe Down	995·5	-4	NNW	2	c	35	95	6	5	1	-	7-8	10	5700	1	*
	Calshot, (S'thmtn)	994·8	0	NW'N	4	c	38	85	6	5	2	-	7-8	10	800	1	1
	Dungeness ...	*	*	NW	5	z	*	*	5	5	-	*	10	10	1500	*	*
	Lympne ...	991·9	-12	NW'N	5	o	36	95	5	5	-	-	10	10	450	1	*
2	Shoeburyness	992·5	+6	NW	4	c	36	95	7	5	2	-	7-8	10	1500	1	*
	Felixstowe ...	991·0	+6	NW'N	4	c	36	95	7	5	-	-	10	10	450	1	3
	Gorleston ...	990·6	+8	NW'N	3	o	36	95	7	6	-	-	10	10	1500	1	2
	Cranwell ...	992·8	-10	W'S	2	f	31	95	2	5	-	-	10	10	<150	8	*
3	Cardington ...	994·0	-2	NW'N	3	c	34	85	5	5	3	8	7-8	9+	800	2	*
	Birmingham ...	994·8	-10	WSW	2	c	32	95	6	5	-	-	7-8	7-8	4000	6	*
	Upper Heyford	994·6	-4	WNW	3	m	33	95	4	5	-	-	10	10	800	1	*
	Leafield ...	994·3	-14	NW'N	2	c	32	95	7	5	3	-	4-6	7-8	450	1	*
4	Ross-on-Wye ...	995·1	-20	WSW	2	ps	35	85	8	5	-	-	9+	9+	2500	1	*
5	Portland Bill....	995·7	+2	NW	5	c	40	85	8	8	7	-	4-6	9	2500	1	4
	Plymouth ...	998·1	-4	WNW	3	ir.	40	85	8	6	2	-	9+	10	1500	2	1
	Falmouth ...	999·7	-8	NW	4	ir.	40	85	8	8	-	-	7-8	7-8	4000	1	2
	Scilly (St. Mary's)	1000·4	-26	NNW	5	r.r.	41	85	7	6	-	-	10	10	2500	1	3
	Guernsey ...	997·7	+10	NW	3	o	42	85	8	5	-	-	10	10	1500	1	3
6	Pembroke ...	996·5	-14	WNW	4	pr	40	65	7	3	7	-	4-6	7-8	1500	1	2
7	Holyhead ...	994·9	-22	WNW	6	pr	39	85	7	8	-	-	9+	9+	1500	1	3
	Chester (Sealand)	993·8	-22	NE'N	1	sh	34	95	6	6	-	-	9	9	800	6	*
8	L'pool (Bidston)	993·0	-18	W	3	c/rs	35	95	8	9	1	-	4-6	9	2500	1	*
9	Harrogate ...	993·1	-10	WNW	1	c	33	95	7	6	1	-	4-6	9+	2500	1	*
10	Spurn Head ...	992·1	-8	NW	4	z	34	95	5	5	3	-	9	10	1500	1	4
	Tynemouth ...	994·7	-10	NW	2	bc	30	75	7	2	-	-	4-6	4-6	2500	4	2
11	Inchkeith ...	993·9	-12	W	2	c	32	75	8	5	8	8	2-3	9	4000	0	0
	Leuchars ...	993·6	-20	WNW	3	bc	30	65	8	5	-	-	2-3	2-3	2500	1	*
12	Renfrew ...	995·3	-12	WSW	2	bc	26	95	7	-	7	1	0	4-6	-	4	*
	Eskdalemuir ...	993·7	-4	N'E	2	c	25	75	8	-	7	2	0	7-8	-	6	*
13A	Tiree	996·7	-14	NNW	5	c	33	55	9	5	2	8	4-6	9+	2500	4	3
13B	Stornoway ...	993·3	-20	WSW	3	u	29	95	8	6	9	-	4-6	9	4000	6	2
15	Dalwhinnie ...	993·8	-14	NW	3	bc	25	85	8	2	3	-	4-6	4-6	5700	8	*
	Aberdeen ...	989·9	-8	NW	6	bc	30	65	8	8	3	-	1	2-3	2500	4	2
	Wick	988·6	-2	WNW	4	c	29	95	8	9	1	8	4-6	7-8	1500	6	4
16	Lerwick ...	984·8	-8	E'S	3	rs	35	95	6	6	-	-	10	10	1500	3	*
17	Blacksod Point	998·2	-22	N'W	9	ss	35	95	7	6	-	-	10	10	<150	7	8
18	Malin Head ...	997·1	-16	NNW	5	c/p	36	85	8	8	1	-	2-3	9+	1500	0	4
	Aldergrove ...	994·8	-10	N	4	c	33	75	7	5	2	-	9	10	1500	6	*
	Donaghadee ...	993·4	-28	NNE	3	bc	38	65	7	4	2	-	4-6	4-6	1500	0	2
19	Birr Castle ...	997·4	-10	N	1	c	33	95	7	5	-	-	7-8	7-8	2500	1	*
20	Valentia Obsy.†	1001·2	-14	WNW	6	bc	40	65	8	8	-	-	4-6	4-6	1500	1	*
	Roches Point...	999·9	-18	N	3	bc	37	85	8	3	-	-	2-3	2-3	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 27th Hrs. (36)
1	London (Kew)...	47	36	35	0·4	9	1·8
	Croydon ...	46	36	36	0·2	7	1·7
	S. Farnborough	46	35	35	1	7	2·6
	Winchester ...	45	35	34	1	6	1·2
	Boscombe Down	44	34	34	3	8	*
	Calshot, (S'thmtn)	47	37	36	2	6	0·7
	Dungeness ...	46	39	*	-	5	*
	Lympne ...	44	36	35	-	6	3·6
2	Shoeburyness	45	35	35	Tr.	7	1·5
	Felixstowe ...	45	35	35	-	10	0·7
	Gorleston ...	45	34	32	-	13	2·4
	Cranwell ...	42	30	30	Tr.	9	0·1
3	Cardington ...	46	34	34	0·1	13	1·9
	Birmingham ...	41	32	30	4	12	0·2
	Upper Heyford	43	33	32	1	8	*
	Leafield ...	41	32	29	2	8	0·2
4	Ross-on-Wye ...	42	35	30	3	8	0·0
5	Portland Bill....	48	39	*	2	1	*
	Plymouth ...	49	40	38	5	1	0·0
	Falmouth ...	50	40	*	4	1	0·0
	Scilly (St. Mary's)	50	40	*	2	1	0·0
	Guernsey ...	49	42	40	0·3	4	0·0
6	Pembroke ...	47	38	*	7	5	0·0
7	Holyhead ...	44	36	35	1	1	0·0
	Chester (Sealand)	44	33	32	1	7	0·0
8	L'pool (Bidston)	42	33	32	0·6	3	0·1
9	Harrogate ...	40	32	27	-	1	0·0
10	Spurn Head ...	42	32	*	-	7	0·5
	Tynemouth ...	42	30	24	0·3	-	*
11	Inchkeith ...	40	31	28	1	-	0·1
	Leuchars ...	42	29	26	Tr.	-	1·4
12	Renfrew ...	43	26	19	2	0·2	2·4
	Eskdalemuir ...	38	24	17	0·1	1	0·0
13A	Tiree	43	33	30	2	-	2·1
13B	Stornoway ...	44	28	*	2	1	5·3
15	Dalwhinnie ...	35	23	18	1	Tr.	1·6
	Aberdeen ...	44	30	27	-	-	6·4
	Wick	40	29	*	0·3	1	*
16	Lerwick ...	38	33	*	3	12	0·0
17	Blacksod Point	44	33	*	Tr.	2	*
18	Malin Head ...	43	35	*	0·4	0·6	0·9
	Aldergrove ...	42	31	26	Tr.	2	0·1
	Donaghadee ...	43	33	*	-	0·1	*
19	Birr Castle ...	39	33	28	4	0·1	0·0
20	Valentia Obsy.†	47	36	35	16	0·3	0·0
	Roches Point...	49	35	*	8	4	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other 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	c.m.c.z.y	c.z.y.c.r	o.r.r.m.o.r.c	47	36	35	0·4	9	1·8	*	*	6
CROYDON	217	x.b.c.c.z.o	c.y.z.o.r.	o.r.r.m.c.y	45	36	36	0·2	7	1·7	*	*	5
GREENWICH (Royal Observatory) ...	149	c.y.	c.d.r.r	r.r.c.m	48	35	34	1	8	0·0	59	83	4
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·3	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	49	36	36	10		0·6	57	86	*
REGENTS PK. (Botanic Gardens) ...	168	*	*	*	*	*	*	*	*	0·0	*	*	*
CAMDEN SQUARE	110	c	c.o.o.r	*	47	35	35	7	6	*	*	87	*
KENSINGTON PALACE	80	b.c.c.o	o.d.r	*	46	36	35	0·4	10	*	At 18h. 88	83	*
HAMPSTEAD OBSERVATORY	450	b.c.o.r	o.r	*	44	31	31	7	5	0·4	*	91	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 28th

SOUTH KENSINGTON. Max.	Time.	Min.	Time.
1·2	10h 27th	<0·3	0-5h 28th

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0·3	8h 27th	<0·1	1-2h 28th

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.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall Day. mm.	Rainfall Night. mm.
PARIS	1013·7	S	3	m	46	997·1	WSW	2	ir.	50	46	46	-	1
BRUSSELS	1012·4	SSW	2	c	39	990·3	WSW	4	ir.	48	45	37	-	5
BERLIN						1000·2	SSE	3	o	34		32		—
ZURICH	1018·2	S	1	r.r.	41	1007·9	SSE	1	z	37	43	36	5	0·2
ROME	1017·9	SSW	3	bc	46						57		-	

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

		Objects not visible at
0	Dense fog	55 yards.
1	Thick fog	220 „
2	Fog	550 „
3	Moderate fog	1,100 „
4	Mist or haze	1¼ miles.
5	Poor visibility	2½ „
6	Moderate „	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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION.
ADDITIONS & CORRECTIONS.
February 1931.

I.—ADDITIONS.

Stations.	Date of Report.	Obsn. Date.	Obsn. Hour.	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	Temperature. Max. Day 7h-18h °F.	Temperature. Min. Night. 18h-7h °F.	Temperature. Min. on Grass °F.	Rainfall. Day 7h-18h mm.	Rainfall. Night 18h-7h mm.	Sunshine. Hrs.	Weather. 7h-13h	Weather. 13h-18h	Weather. 18h-1h	Weather. 1h-7h
Tiree	1st.	31st.	1300	988·5	-56	SE	8	RR	43	95	5	6	-	-	10	10	800	*	*										
"	"	"	1800	985·2	-8	SE'S	7	rr	43	95	5	6	-	-	10	10	800	1	5										
"	"	1st.	0700	1003·4	+54	NW'N	7	bc	42	75	7	8	7	-	2-3	4-6	1500	1	4	44	36	36	20	7	0·0	oRR	oRrr	or,RRcir,	cpr,prh
Dalwhinnie	"	"	"	999·3	+38	SSE	1	0	32	95	7	5	-	-	10	10	800	9	*		26	*		11	0·0			ksksf	ksfco
"	2nd.	"	1300	1007·0	+30	WNW	2	bc	34	85	8	5	-	-	4-6	4-6	1500	*	*										
"	"	"	1800	1009·1	+8	WSW	2	bc	31	85	8	1	-	-	2-3	2-3	4000	9	*	35			1			psc	cbc		
Tiree	"	"	1300	1009·3	+16	WNW	5	cjp	41	75	7	8	-	-	7-8	7-8	1500	*	*										
"	"	"	1800	1010·2	+6	W'S	3	c/pr	39	75	8	8	7	-	4-6	7-8	1500	1	3										
"	"	2nd.	0700	1011·3	+14	WNW	3	bc	42	65	8	8	7	-	4-6	4-6	2500	1	3	43	40	33	0·3	0·1	5·8	bc	bccpr,bc	bcc	cbc
"	3rd.	"	1300	1012·8	-6	WNW	6	cjp	47	75	7	8	7	-	4-6	7-8	1500	*	*							bccbc			
Portland Bill	5th.	5th.	0700	1026·3	0	E	2	c	40	85	6	4	-	-	10	10	2500	1	2	40	37	*		-					
Dalwhinnie	8th.	8th.	0700	997·3	-42	S	7	prs	38	85	7	5	-	-	9	9	1500	3	*		34			2	1·1			cprso	prsoc
"	9th.	"	1300	995·0	-10	S	6	prs	35	95	7	5	-	-	9	9	1500	*	*										
"	"	"	1800	995·2	+4	SSE	3	c	41	95	7	5	-	-	7-8	7-8	1500	3	*	41			1			prsqc	prsc		
"	13th.	15th.	1300	998·0	-20	W	4	c	34	85	7	4	6	-	4-6	7-8	2500	*	*										
"	"	"	1800	993·0	-28	WNW	5	c	33	95	7	5	-	-	7-8	7-8	1500	9	*	35			5			cisfc	cismc		
Blacksod Point	"	16th.	0700	996·8	-6	WNW	9	cq	42	75	7	9	-	-	10	10	4150	1	8	49	35			8					phrq
"	17th.	17th.	0100	1007·5	+14	N	8	cq	42	75	7	9	-	-	9+	9+	4150	*	*										
"	"	"	0700	1011·9	+24	N	8	PaR	40	85	7	9	-	-	9+	9+	4150	6	8	44	37			1				phrqc	phrq
Lerwick	20th.	19th.	1300	998·1	-4	W'S	3	bc	44	65	8	8	3	-	2-3	4-6	1500	*	*							orrc			
Dalwhinnie	23rd.	22nd.	1300	1008·2	-4	W	4	c	33	95	7	8	1	-	4-6	9	2500	*	*										
"	"	"	1800	1011·9	+30	NW	1	c	32	95	7	5	-	1	7-8	7-8	2500	9	*	34			3			bcsfc	psbcc		
L'pool (Bidston)	24th.	23rd.	1800	1021·7	+10	W	4	bc	41	95	7	8	-	-	2-3	2-3	2500	0	*	44			-				bcb		
Dalwhinnie	25th.	24th.	1800	1008·7	0	SW'S	6	rs	39	95	6	5	-	-	10	10	1500	3	*	40			5				crsoin		

II.—CORRECTIONS.

Date of Report.	Page.	Station.	Col. No.	Correct Entry.	Date of Report.	Page.	Station.	Col. No.	Correct Entry.	Date of Report.	Page	Station.	Col. No.	Correct Entry.	Date of Report.	Page.	Station.	Col. No.	Correct Entry.	Date of Report.	Page.	Station.	Col. No.	Correct Entry.
1st.	1	Portland Bill	5	RR	3rd.	1	Spurn Head	29	0	5th.	4	Tiree	24	2	8th.	4	Ross	36	5·5	10th.	4	Valentia	19	bc/pr
"	"	Dalwhinnie	1	997·8	"	"	Renfrew	39	cbbc	"	"	Stornoway	30	3	"	"	Eskdalemuir	32	37	11th.	1	Winchester	39	bbcpr,b
"	"	Birmingham	17	S	"	"	Tiree	17	W'N	"	"	Lerwick	29	0	"	"	Aldergrove	24	1	"	"	Upper Heyford	18	5
"	"	"	18	5	"	"	Dalwhinnie	9	-	"	"	Birr Castle	20	35	"	"	Birr Castle	16	-8	"	"	Leafield	28	4000
"	"	Guernsey	22	6	"	"	"	12	0	6th.	1	Dungeness	5	bc	"	"	Roches Point	35	5	"	"	Guernsey	5	bc
"	"	Eskdalemuir	19	rs	"	4	Dungeness	30	1	"	"	"	12	4·6	9th.	1	Winchester	8	7	"	"	"	13	4·6
"	"	Dalwhinnie	15	992·3	"	"	Birmingham	33	26	"	"	"	13	4·6	"	"	Dungeness	27	9	"	"	"	30	4
"	"	Valentia	17	NW	"	"	Renfrew	29	1	"	"	Gorleston	15	1024·9	"	"	Guernsey	16	-8	"	"	Inchkeith	38	c
"	"	Roches Point	38	odcir	"	"	Malin Head	24	8	"	"	Ross	40	oid.	"	"	Holyhead	39	fefed,fefe	"	"	Renfrew	11	1
"	"	"	39	cirr,r,w	"	"	"	27	Tr	"	"	Dalwhinnie	1	1018·7	"	"	"	40	ffr,id.	"	"	Tiree	37	cPRqpr,q
"	4	Inchkeith	19	r,r.	4th.	1	Calshot	17	N	"	4	Dungeness	32	33	"	"	Eskdalemuir	15	1000·3	"	"	"	39	cphrqbc
"	"	Guernsey	16	+20	"	"	"	18	5	"	"	Lympne	21	65	"	"	"	19	dF	"	4	Winchester	35	Tr
"	"	Leuchars	28	450	"	"	Dungeness	12	9	"	"	Gorleston	32	31	"	4	Plymouth	19	id.	"	"	Dungeness	34	2
"	"	Blacksod Pt.	20	41	"	"	"	13	9	7th.	1	Leafield	8	5	"	"	Tiree	30	4	"	"	Leafield	36	4·8
"	"	Dungeness	31	43	"	"	Shoeburyness	3	NNE	"	"	Ross	17	E	10th.	1	S.Farnborough	14	450	"	"	Guernsey	34	4
"	"	Scilly	32	43	"	"	Cranwell	37	r,r,ir.	"	"	Plymouth	17	ENE	"	"	"	26	9+	"	"	Pembroke	7	75
"	"	Tynemouth	32	34	"	"	Lerwick	4	3	"	"	"	18	3	"	"	"	27	9+	"	"	Liverpool	13	4
"	"	"	33	32	"	"	Aldergrove	19	bc	"	"	Guernsey	16	+16	"	"	Winchester	40	codm.	12th.	1	S.Farnborough	39	rbokqR
"	"	"	35	5	"	"	"	27	4-6	"	"	Holyhead	24	2	"	"	Cranwell	1	1011·7	"	"	Dungeness	10	3
2nd.	1	Dungeness	12	7-8	"	4	Boscombe Down	31	42	"	"	"	26	7-8	"	"	"	37	cm.	"	"	Felixstowe	39	orrq,bcq
"	"	"	13	7-8	"	"	Dungeness	26	9	"	"	Spurn Head	25	-	"	"	Cardington	2	+8	"	"	Leafield	39	orlqcps.
"	"	"	19	pr	"	"	"	27	9	"	"	Renfrew	37	orcr,r,od,of	"	"	Ross	3	SW'W	"	"	Seaford	39	bcpr,PHq
"	"	"	22	5	"	"	"	28	4000	"	"	"	40	bccpr.	"	"	Guernsey	19	d.d.	"	"	Harrogate	11	7
"	"	"	26	9	"	"	Lympne	36	0·8	"	"	Wick	10	4	"	"	Holyhead	39	cr,ido	"	"	"	12	7·8
"	"	"	27	9	"	"	Tynemouth	23	6	"	"	Birr Castle	20	41	"	"	Liverpool	26	1	"	"	"	13	9
"	"	Boscombe Down	38	cd.d.c	"	"	Malin Head	31	43	"	4	Tynemouth	8	6	"	"	Harrogate	26	2-3	"	"	Inchkeith	2	-90
"	"	"	39	c,b	5th.	1	Dungeness	12	7-8	"	"	Lerwick	36	0·9	"	"	Inchkeith	22	8	"	"	Renfrew	38	rcprq
"	"	Calshot	30	2	"	"	"	13	9	"	"	Donaghadee	15	1010·9	"	"	Renfrew	2	+4	"	"	"	40	crprq
"	"	Holyhead	19	bc	"	"	Felixstowe	40	cs.	"	"	"	21	95	"	"	Tiree	26	9	"	"	Eskdalemuir	39	clps
"	"	"	27	4-6	"	"	Birmingham	5	is.	8th.	1	London	12	9+	"	"	"	27	9+	"	"	Wick	14	2500
"	"	Harrogate	19	c	"	"	"	21	35	"	"	"	13	9+	"	"	Stornoway	19	tlr.	"	"	Malin Head	15	9863
"	"	Leuchars	39	b	"	"	Pembroke	8	6	"	"	S.Farnboro'	6	42	"	"	"	29	2	"	"	Aldergrove	2	-48
"	"	Aldergrove	29	1	"	"	Leuchars	38	os,s,ocm,c	"	"	Birmingham	26	2-3	"	"	"	30	2	"	"	Roches Point	37	bccirc
"	4	Boscombe Down	33	20	"	"	Tiree	23	8	"	"	"	27	2-3	"	"	Malin Head	17	SSW	"	4	Portland Bill	34	3
"	"	Calshot	31	45	"	"	"	40	p	"	"	Liverpool	13	10	"	"	" "	20	48	"	"	Liverpool	27	4·6
"	"	Dungeness	30	2	"	"	Lerwick	19	c/r	"	"	Eskdalemuir	2	-16	"	"	Valentia	7	95	"	"	Harrogate	35	3
"	"	"	35	0·1	"	"	Roches Point	39	cbcw	"	"	"	37	oFrsd	"	"	Roches Point	38	cirodd	"	"	Tynemouth	30	2
"	"	Scilly	17	S'W	"	4	Birmingham	36	Tr	"	"	Tiree	23	5	"	4	Calshot	6	49	"	"	Tiree	19	c/pr
"	"	Guernsey	31	46	"	"	Ross	15	1026·1	"	"	Malin Head	11	9	"	"	Gorleston	26	4-6	13th.	1	Croydon	3	WNW
"	"	Dalwhinnie	36	1·0	"	"	Leuchars	31	36	"	"	" "	12	1	"	"	Leafield	34	0·2	"	"	Boscombe Down	39	bcb
3rd.	1	Dungeness	30	1	"	"	Eskdalemuir	32	29	"	"	" "	14	2500	"	"	Harrogate	26	2-3	"	"	Leafield	17	W'N
"	"	Liverpool	28	1500	"	"	Tiree	21	95	"	4	Leafield	35	-	"	"	Stornoway	34	7	"	"	"	37	ps.bcq

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AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION.
ADDITIONS & CORRECTIONS.
February 1931.

II.—CORRECTIONS.

Date of Report.	Page.	Station.	Col. No.	Correct Entry.
13th	1	Holyhead	37	bcbbcq
"	"	Harrogate	12	9+
"	"	"	13	9+
"	"	Dalwhinnie	6	33
"	4	Boscombe Down	33	33
"	"	Calshot	25	3
"	"	"	26	4-6
"	"	Gorleston	27	4-6
"	"	Cardington	35	0·1
"	"	Leafield	31	42
"	"	Spurn Head	31	41
"	"	Wick	11	8
14th	1	Dungeness	12	4-6
"	"	"	14	2500
"	"	"	26	4-6
"	"	"	27	9
"	"	Gorleston	9	6
"	"	Holyhead	37	prhqrbc
"	"	Dalwhinnie	21	95
"	"	"	22	8
"	"	Valentia	39	cpr.
"	4	S. Farnborough	31	41
"	"	Dungeness	26	2-3
"	"	"	32	32
"	"	"	34	0·1
"	"	Harrogate	28	4000
"	"	Aberdeen	34	2
"	"	Wick	29	7
"	"	Valentia	21	85
15th	1	S. Farnborough	40	os.r.rr
"	"	Boscombe Down	40	crrm.
"	"	Dungeness	8	7
"	"	"	9	8
"	"	Birmingham	1	1016·3
"	"	Leafield	37	bbcy
"	"	Ross	13	4-6
"	"	Renfrew	24	2
"	"	Dalwhinnie	9	-
"	"	"	10	1
"	"	"	12	0
"	"	"	14	-
"	"	Birr Castle	20	42
"	4	Boscombe Down	22	6
"	"	Birmingham	36	6·1
"	"	Aberdeen	35	1
"	"	Birr Castle	31	42
"	"	Roches Point	31	45
16th	1	Boscombe Down	40	corr
"	"	Birmingham	19	cjp
"	"	"	26	4-6
"	"	Portland Bill	21	75
"	"	Tynemouth	10	-
"	"	Renfrew	40	cr, sc
"	"	Roches Point	17	NW
"	4	Croydon	3	WSW
"	"	"	17	WSW
"	"	"	18	4
"	"	Birmingham	19	c/PRS
"	"	Upper Heyford	31	48
"	"	Falmouth	15	999·4
"	"	Inchkeith	34	Tr.
"	"	Birr Castle	28	2500
17th	1	Dungeness	24	-
"	"	"	30	2
"	"	Gorleston	18	1
"	"	Inchkeith	19	bc
"	"	"	27	2-3
"	"	Aldergrove	19	PHR
"	"	"	39	cqprsh
"	"	Donaghadee	37	cPHR
"	"	"	38	cqPHR
"	"	Roches Point	37	bcpqbc
"	4	Plymouth	36	56
18th	1	Winchester	15	999·3
"	"	"	16	+50
"	"	Boscombe Down	38	cs.s.m.
"	"	Dungeness	22	7
"	"	"	23	5

Date of Report.	Page.	Station.	Col. No.	Correct Entry.
18th	1	Dungeness	24	2
"	"	"	26	7-8
"	"	"	27	9
"	"	Falmouth	27	9
"	"	Guernsey	38	orro
"	"	Harrogate	5	rsrs
"	4	Croydon	17	N'E
"	"	"	18	4
"	"	S. Farnborough	19	c
"	"	"	26	9+
"	"	"	27	9+
"	"	Boscombe Down	15	1009·8
"	"	" "	24	-
"	"	" "	25	-
"	"	" "	27	9+
"	"	Birmingham	32	31
"	"	Leafield	22	7
"	"	"	28	1500
"	"	Leuchars	33	30
"	"	Guernsey	4	3
"	"	Wick	25	8
"	"	Birr Castle	31	43
19th	1	London	6	39
"	"	"	17	N
"	"	Dungeness	19	5
"	"	Pembroke	15	1016·4
"	"	Eskdalemuir	37	cbccis.
"	"	Dalwhinnie	40	cokqc
"	"	Aldergrove	37	bcxbbc
"	"	"	39	bxbcx
"	"	"	40	bcxcs.
"	"	Roches Point	5	bc
"	"	" "	15	1020·1
"	4	London	31	40
"	"	Dungeness	26	9
"	"	"	27	9
"	"	Leafield	31	35
"	"	Eskdalemuir	35	-
"	"	Stornoway	29	2
"	"	Dalwhinnie	19	c
"	"	"	35	-
"	"	Lerwick	3	S'W
"	"	"	18	8
20th	1	Boscombe Down	40	cm.cd.m.
"	"	Dungeness	30	2
"	"	Gorleston	11	4
"	"	"	12	2-3
"	"	"	13	2-3
"	"	Leafield	29	6
"	"	"	40	coid.
"	"	Portland Bill	21	65
"	"	Scilly	15	1016·7
"	"	Chester	37	co3.
"	"	Renfrew	38	od.d.rm.
"	"	Tiree	19	c/d
"	"	"	26	9+
"	"	Birr Castle	37	oir.
"	"	Valentia	37	odrr.
"	4	Birmingham	32	35
"	"	Tynemouth	15	1000·9
"	"	Stornoway	30	4
21st	1	Dungeness	23	5
"	"	Gorleston	39	oir.oq
"	"	Liverpool	17	W'S
"	"	Harrogate	1	1001·5
"	4	Boscombe Down	19	ir.
"	"	Leafield	26	4-6
"	"	Guernsey	31	45
"	"	Harrogate	34	1
"	"	Tynemouth	34	0·6
"	"	Roches Point	31	54
22nd	1	Boscombe Down	23	4
"	"	Dungeness	26	2-3
"	"	Felixstowe	37	cmRorTHr
"	"	Chester	38	bcjpqv
"	"	Renfrew	37	csbccpsbc
"	"	Eskdalemuir	37	cxcpsshsbc
"	"	Stornoway	24	1

Date of Report.	Page.	Station.	Col. No.	Correct Entry.
22nd	1	Lerwick	4	S'W
"	"	"	17	W
"	"	Malin Head	1	1004·5
"	"	Donaghadee	7	85
"	"	"	11	9
"	"	"	13	4-6
"	4	Dungeness	19	bc
"	"	"	26	2-3
"	"	"	27	2-3
"	"	"	34	0·2
"	"	Cardington	29	4
"	"	Guernsey	5	bc
"	"	"	12	4-6
"	"	"	13	4-6
"	"	Chester	22	8
"	"	Spurn Head	29	5
"	"	Tiree	19	c
"	"	"	23	3
"	"	"	32	33
"	"	Dalwhinnie	21	95
"	"	Lerwick	3	W'N
23rd	1	Dungeness	5	c
"	"	"	12	4-6
"	"	"	13	7-8
"	"	Leafield	37	bcbbc
"	"	Holyhead	24	-
"	"	"	25	2
"	"	Renfrew	37	bcxc,r.
"	"	Aldergrove	38	bccqpr
"	"	"	40	bcx
"	4	Croydon	2	+4
"	"	Felixstowe	15	1020·3
"	"	Harrogate	27	7-8
"	"	Stornoway	32	30
"	"	"	34	3
"	"	Aldergrove	33	29
"	"	"	36	0·6
24th	1	Croydon	29	1
"	"	S. Farnborough	38	cbccPRhq
"	"	Dungeness	19	pr
"	"	Cranwell	40	bm.wfx
"	"	Falmouth	26	4-6
"	"	Guernsey	17	NW
"	"	Renfrew	40	bxcxm
"	"	Dalwhinnie	16	+20
"	"	"	21	85
"	"	"	23	-
"	"	"	26	0
"	"	"	39	psof
"	"	"	40	cpsom
"	"	Blacksod Point	6	48
"	"	Malin Head	9	9
"	4	Croydon	6	36
"	"	Boscombe Down	19	cm.
"	"	" "	22	5
"	"	Felixstowe	15	1026·6
"	"	Portland Bill	10	4
"	"	Liverpool	31	44
"	"	"	34	-
"	"	Tiree	15	1016·3
"	"	Dalwhinnie	15	1017·7
"	"	"	19	sf
"	"	"	20	29
"	"	"	21	95
"	"	"	22	3
"	"	"	23	5
"	"	"	24	-
"	"	"	25	-
"	"	"	26	10
"	"	"	31	38
"	"	"	35	-
25th	1	Cranwell	13	7-8
"	"	Renfrew	37	cxm,r.r.
"	"	Dalwhinnie	1	1014·1
"	"	"	2	-20
"	"	"	3	SSW
"	"	"	5	ps
"	"	"	11	-

Date of Report.	Page.	Station.	Col. No.	Correct Entry.
25th	1	Dalwhinnie	12	7-8
"	"	"	13	9
"	"	"	14	1500
"	"	"	37	csscm
"	"	"	39	cprm.
"	"	"	40	crrm
"	"	Birr Castle	37	cor.o
"	"	" "	40	oid.
"	"	Roches Point	40	cp.c
"	4	Croydon	33	36
"	"	Liverpool	22	7
"	"	Dalwhinnie	15	1006·5
"	"	"	16	-16
"	"	"	19	0
"	"	"	21	95
"	"	"	35	24
"	"	Wick	11	8
"	"	"	32	40
26th	1	Dungeness	5	c
"	"	Gorleston	7	85
"	"	"	21	85
"	"	Leafield	15	1019·0
"	"	"	20	48
"	"	Plymouth	38	om.id.c
"	"	Falmouth	5	df
"	"	Tiree	19	d.d.
"	"	Dalwhinnie	2	-14
"	"	"	7	85
"	"	"	10	-
"	"	"	12	9
"	"	"	13	9
"	"	"	25	crrm
"	"	Malin Head	14	220
"	"	" "	28	220
"	4	Dungeness	35	0·1
"	"	Guernsey	32	47
"	"	"	33	41
"	"	Renfrew	25	1
"	"	"	27	4-6
"	"	Lerwick	10	-
"	"	"	11	-
"	"	"	13	4-6
"	"	Aldergrove	27	10
"	"	Birr Castle	16	-12
"	"	Valentia	14	1500
27th	1	Winchester	5	id.
"	"	Boscombe Down	3	W
"	"	" "	4	5
"	"	" "	26	9+
"	"	Ross	11	-
"	"	"	12	10
"	"	Plymouth	39	bcm.cir.
"	"	Leuchars	39	bobx
"	"	Birr Castle	40	cx
"	"	Roches Point	40	cirod.d.
"	4	Winchester	29	1
"	"	"	33	25
"	"	Plymouth	31	52
"	"	Spurn Head	22	6
"	"	" "	28	800
"	"	Tynemouth	15	1013·0
"	"	"	24	-
"	"	Renfrew	35	1
"	"	Tiree	16	-20
"	"	Dalwhinnie	19	bc
"	"	Blacksod Point	1	1018·7
"	"	Malin Head	15	1012·5
"	"	Aldergrove	36	2·3
"	"	Birr Castle	32	28
28th	1	Croydon	13	9
"	"	Winchester	29	1
"	"	Dungeness	28	2500
"	"	Plymouth	40	cir.
"	"	Pembroke	17	SSW
"	"	"	40	cp.
"	"	Holyhead	40	c,h.
"	"	Chester	39	rs.s
"	"	"	40	R,s

Date of Report.	Page.	Station.	Col. No.	Correct Entry.
28th	1	Inchkeith	27	7-8
"	"	Renfrew	37	cm.?rs.
"	"	Tiree	19	PR
"	"	"	37	qc
"	"	Stornoway	19	c/ps
"	"	Wick	11	1
"	"	Aldergrove	11	8
"	"	Birr Castle	8	6
"	"	Roches Point	15	1003·8
"	"	Aldergrove	12	7-8
"	"	"	13	9+
"	4	Croydon	31	46
"	"	Winchester	31	45
"	"	"	34	1
"	"	Boscombe Down	31	44
"	"	Dungeness	30	3
"	"	Felixstowe	36	2·3
"	"	Ross	20	36
"	"	Guernsey	23	5
"	"	Aldergrove	24	2
"	"	"	27	10
"	"	Birr Castle	15	997·4

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION.
ADDITIONS & CORRECTIONS.
February 1931.

II.—CORRECTIONS.

Date of Report.	Page.	Station.	Health Resorts	
6th.	2	Skegness	Weather afternoon	oem.
"	"	Cheltenham	" "	od.
7th.	"	Mablethorpe	Rain (day)	Trace
"	"	Morecambe	Max.	39
9th.	"	"	ropc. pco. 37. 45. 1. 1. 0·0.	
10th.	"	Bournemouth	Min.	44
12th.	"	Colwyn Bay	Max.	43
15th.	"	Mablethorpe	Sun to 17h. 14th.	6·5
"	"	Morecambe	" " " "	5·6
16th.	"	Hastings	Weather forenoon	ompcbc
"	"	Southport	Min.	37
17th.	"	Dovercourt	Sun to 17h. 16th.	2·4
"	"	Skegness	Weather afternoon	bco
"	"	Cleethorpes	Sun to sunset 15th.	2·9
18th.	"	Weymouth	Max.	41
"	"	Southport	Min.	33
20th.	"	Hastings	Sun to 17h. 19th.	6·7
"	"	Mablethorpe	" " sunset 18th.	0·5
21st.	"	Skegness	" " " 19th.	4·6
"	"	Dunbar	Weather afternoon	r.bc
23rd.	"	Deal	Sun to 17h. 22nd.	8·5
24th.	"	Skegness	Weather afternoon	om.ro
25th.	"	Dunbar	" forenoon	om.c
"	"	"	" afternoon	p.
26th.	"	Dovercourt	Sun to 17h. 25th.	1·6
"	"	Ilfracombe	Weather forenoon	ofd
"	"	"	" afternoon	of
27th.	"	Bognor Regis	" forenoon	r.
"	"	"	" afternoon	r,id
"	"	Skegness	" "	rm.o
"	"	Cleethorpes	Max.	55
"	"	Colwyn Bay	Min.	50
"	"	" "	Max.	56
"	"	Rhyl	Min.	48

Date of Report.	Page.	Station.	London Observations
1st.	4	Westminster	(45). (38). 24h. rain 2. hum. 15h. 50%. 9h. 89%
2nd.	"	"	46. 30. " " 1. " " 64%. " 92%.
"	"	"	Grass Min. 25
1st.	"	"	" " 35
9th.	"	Greenwich	Sun 0·1
13th.	"	"	cqy. cqby. bcd. 45. 34. 26. -. 0. 3. 3·2. 48. 79. 5.
15th.	"	Westminster	44. 33. 27. 24h. rain 3. 7·2. 52%. 97%
"	"	Camden Square	bbc. bc. 42. 34. 26. -. 3. 96%.
16th.	"	Westminster	Sun 1·9
17th.	"	Regents Park	" 1·9
18th.	"	Kew	Atmos. Poll. Max. 0·5. 15h. 17th.
19th.	"	Kensington	Weather morning orFco
"	"	"	" afternoon odr
21st.	"	Greenwich	Max. 46. Min. 42. hum. 15h. 80%.
22nd.	"	Croydon	Visibility 9h. 5.
"	"	Regents Park	Sun 5·3
25th.	"	" "	" 2·8
"	"	Hampstead	ofbc. bco. 48. 38. 36. -. Tr. hum. 9h. 98%.

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