M.O. Form 2373

THE DAILY WEATHER REPORT

BRITISH SECTION

1st October to 31st December

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.

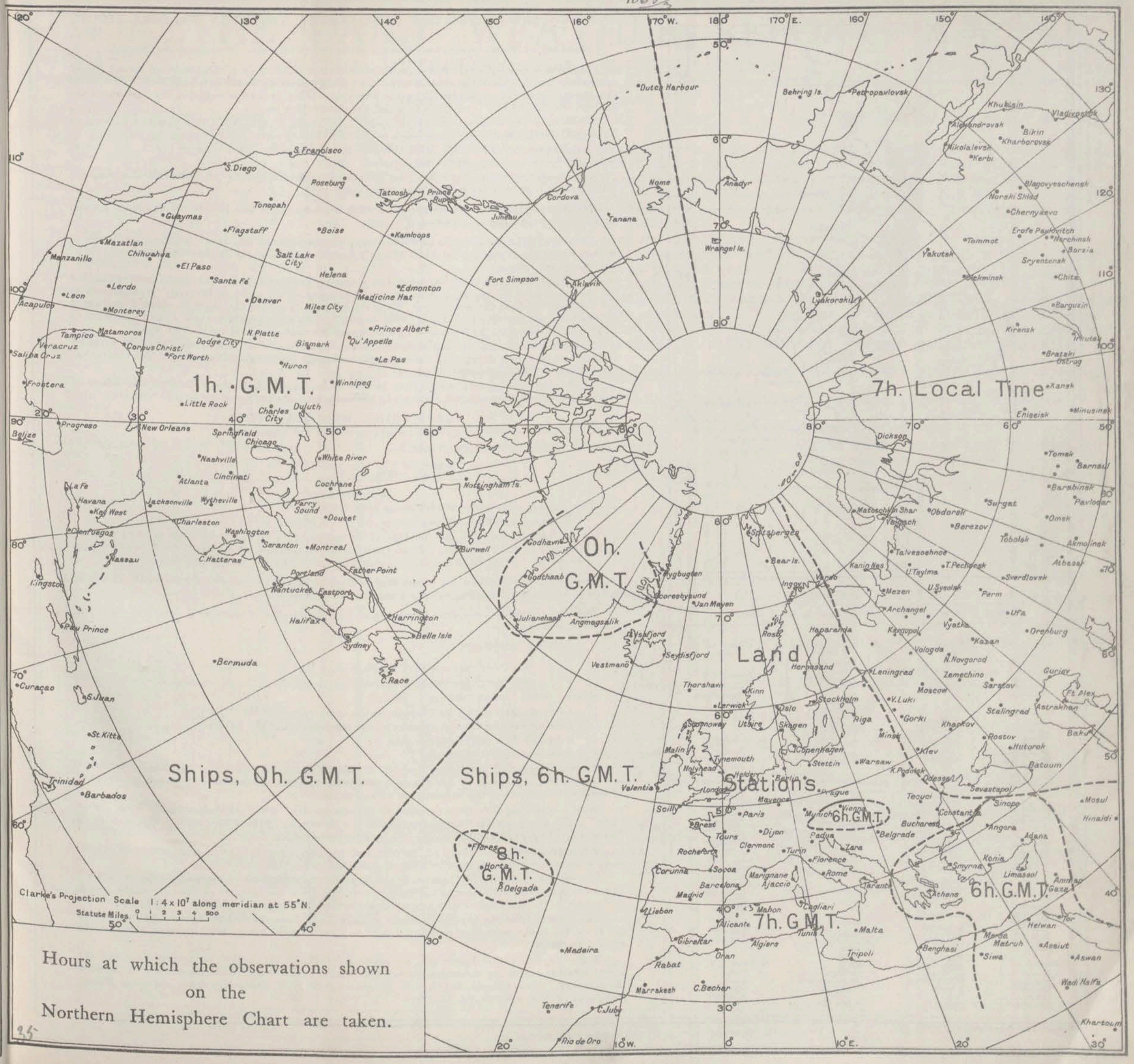
The *South Cone* (point downwards) is hoisted for gales commencing from a Southerly point. Such gales often veer, sometimes as far as Northwest.

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 :—

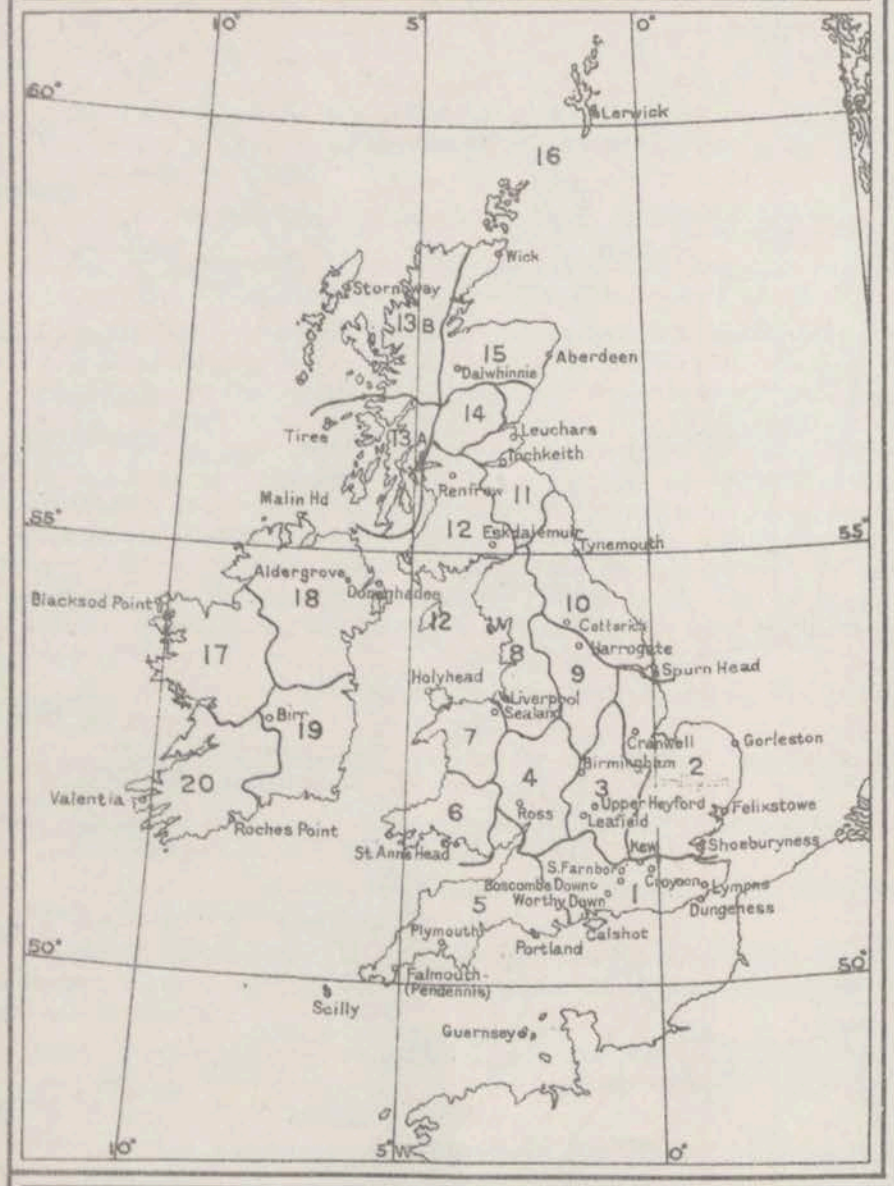
▲ North Cone hoisted : ▼ South Cone hoisted :

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.

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

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.

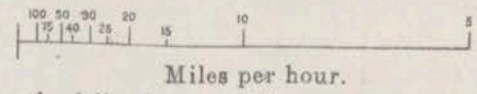
The wind at a height of 1,500-2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart for the chart on Page 2 the speed of the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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

MONTHLY SUPPLEMENT, NOVEMBER, 1931. No. 179

Notes on the Weather of the Month.

The outstanding feature was the persistence of a southerly type, with pressure high on the Continent and secondary depressions, sometimes of a very vigorous nature, moving northwards round a main centre in the vicinity of Iceland. Consequently the month was very mild, with frequent strong winds and excessively heavy rain in the West and North. At several places in Ireland and South and West Scotland the total rainfall was a record for November and at Valentia it was the largest monthly total ever recorded.

During the first week the anticyclone was situated over Central and Southeast Europe and intense depressions moved northeast across our northwest districts. Strong winds and gales were experienced particularly on the 3rd and 4th, while temperature was notably high, the minimum, 57°F, at Kew Observatory on the 4th being a record for November. Phenomenally heavy rain occurred in the West and North on the 3rd, 71 mm. at Eskdalemuir and 70 mm. at St. Ives being among the heaviest falls reported. Sunshine records were very good in Southeast and East England on the 1st and 2nd.

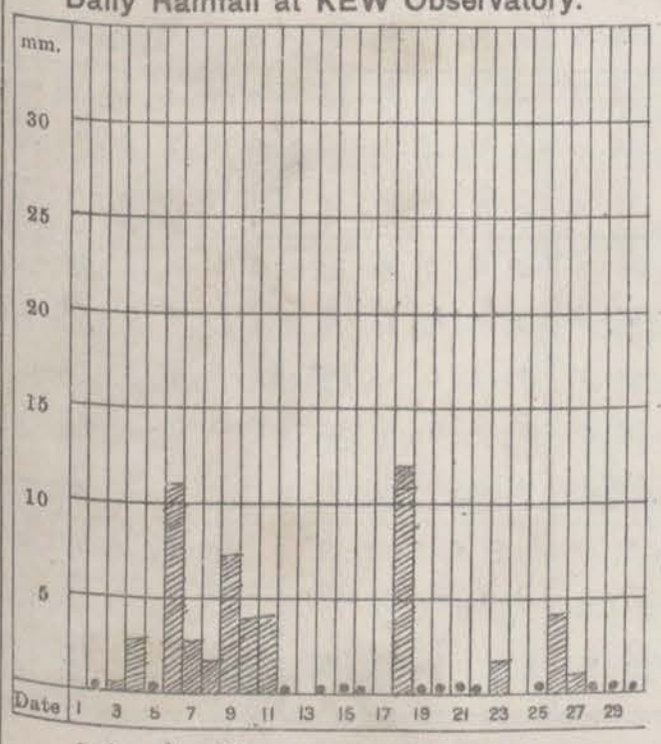
On the 10th the British Isles came under the influence of a deep depression which moved northeast across the country and thunderstorms were experienced chiefly in Southern districts. The westerly winds on the southern side of this disturbance were strong to a gale and high seas occurred on the south coasts of Ireland and in the English Channel.

By the 15th a new anticyclone had developed over Northern Scandinavia and for some days winds were from an easterly point and temperature was lower than previously.

Heavy rain in Ireland on the 17th was associated with a secondary moving north along the west coasts (Valentia 59mm.) An upward surge of pressure over the British Isles on the 24th gave a lovely day, but subsequently a reversion to type occurred, with intense secondary depressions moving north-north-east along the western seaboard, while the anticyclone over North Russia maintained its position.

Quiet, anticyclonic conditions prevailed during the last two days with widespread fog. Fog was also widespread in England on the 22nd and at Renfrew continuous dense fog occurred from late morning till evening on the 16th.

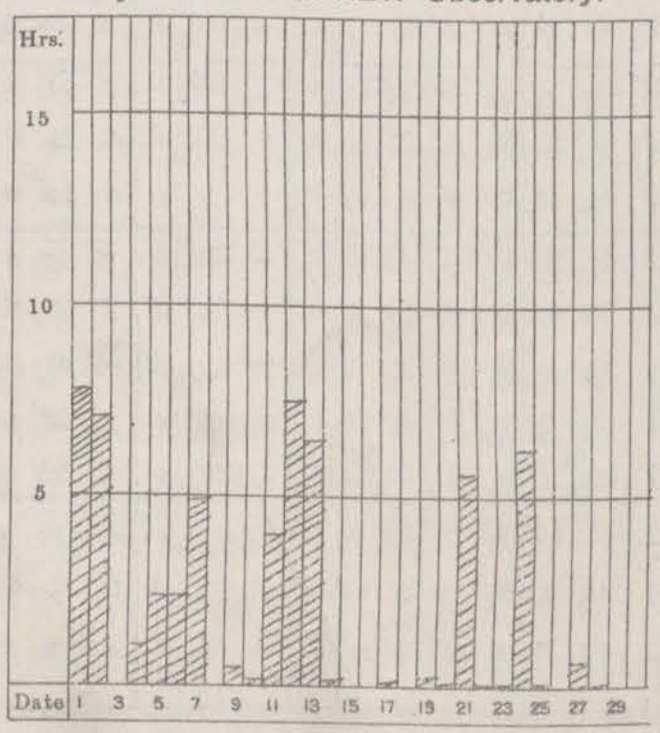
Daily Rainfall at KEW Observatory.



*=Less than 0·5 mm.

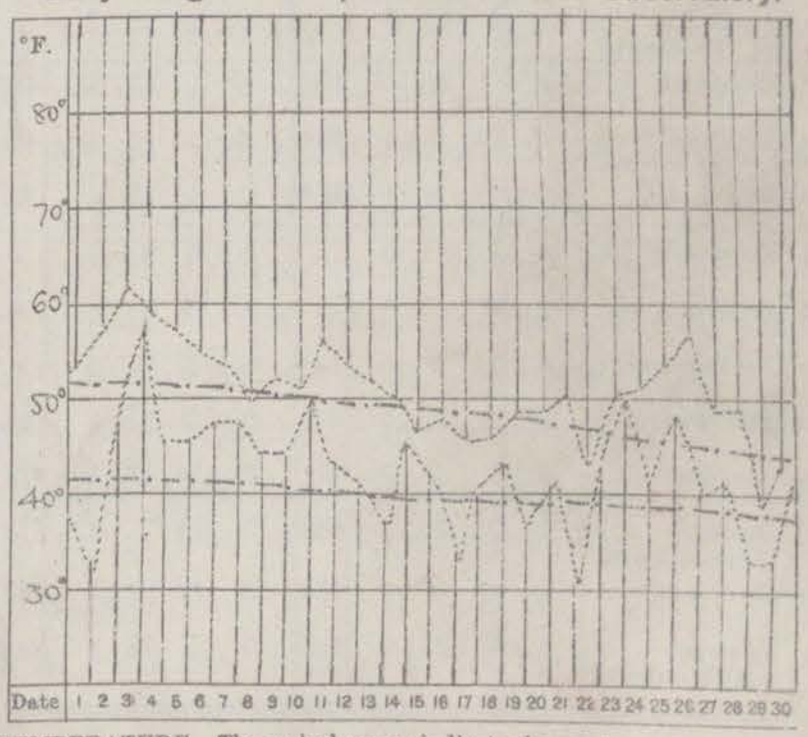
RAINFALL. Total for Month. 54 mm.

Daily Sunshine at KEW Observatory.



SUNSHINE. Total for Month. 59 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.

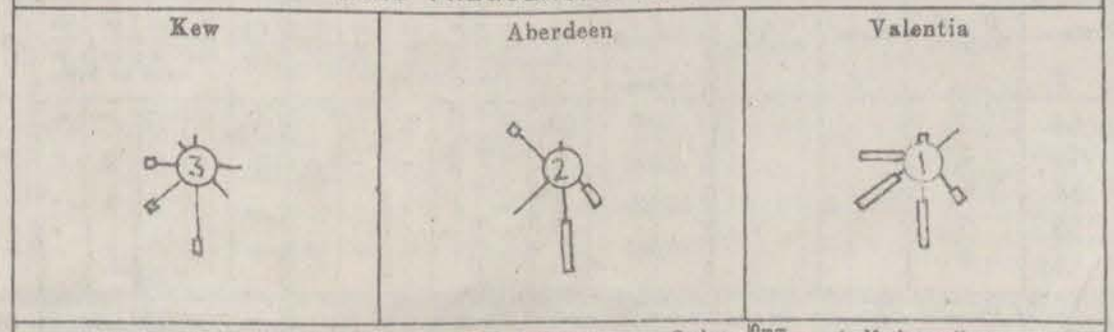
MEAN VALUES FOR THE MONTH.*

Stations.	Pressure Mean	Pressure Difference from average	Temperature Mean	Temperature Difference from average
	mb.	mb.	°F.	°F.
Kew	1009·9	−4·7	46·8	+2·5
Aberdeen	1003·7	−6·1	46·5	+4·0
Valentia	1002·3	−10·7	49·1	+1·4

* 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 ...	6241
Aberdeen ...	7453
Lerwick ...	16,779
Valentia ..	9435

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

	Stations.	†Temperature. Number of daily readings within fixed limits. Maximum. 33°–41°	42°–50°	51°–59°	60°–68°	Normal Max.	Minimum. 24°–32°	33°–41°	42°–50°	51°–59°	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.)	1	13	15	1	49.1	1	10	18	1	38.8	61	3	39	29	57	4	31	22	7	4	24	0	4	20	0	4	18	0	1	4	2	1	7	2	0	4	2	11
	Croydon ...	1	12	16	1	*	1	13	15	1	*	62	3	40	29	57	4	32	17	1	9	17	0	4	21	1	8	13	0	1	0	3	1	7	1	0	3	3	9
	Calshot ... (Southampton)	0	7	23	0	*	0	6	22	2	*	59	3	43	29	57	4	36	30	2	3	25	0	4	24	0	1	25	0	0	2	0	1	16	0	0	2	0	17
	Lympne ...	0	14	16	0	*	0	10	19	1	*	58	3	43	30	55	4	35	17, 29	2	10	16	0	13	14	0	11	12	0	0	2	0	1	13	0	0	0	2	15
2	Shoeburyness	0	12	17	1	49.7	1	14	14	1	39.7	61	3	42	30	56	4	26	22	7	1	23	1	2	20	1	4	17	0	0	0	2	1	20	0	1	0	0	21
	Gorleston ...	0	13	17	0	48.5	0	4	25	1	39.6	59	3, 4	43	30	57	4	39	18, 21, 25	0	4	19	0	3	22	0	2	20	0	0	0	0	0	5	0	0	2	0	8
	Cranwell ...	3	14	13	0	47.4	2	17	10	1	37.9	59	3	40	22	56	4	31	17	9	11	13	1	12	12	2	9	12	1	0	4	6	2	4	0	2	2	1	11
3	Leafield ...	3	13	14	0	*	2	18	9	1	*	57	3	39	29	53	4	32	29, 30	10	11	16	0	6	22	0	9	15	2	0	6	0	2	14	0	1	2	1	21
4	Ross-on-Wye ...	0	9	21	0	49.3	0	13	15	2	37.8	58	3, 4	42	29	57	4	33	22	7	5	22	0	2	28	0	7	21	0	0	2	2	0	18	0	0	2	0	18
5	Falmouth ... (Pendennis)	0	1	29	0	*	0	2	19	9	*	59	3	50	16	56	3	38	17	*	0	30	0	0	30	0	0	30	0	0	0	0	0	24	0	0	0	0	24
7	Holyhead ...	0	7	23	0	50.2	0	1	23	6	42.9	59	3	48	22	56	4	39	22	0	2	26	0	5	22	0	2	26	0	0	0	0	0	23	0	0	0	0	17
8	Liverpool ... (Bidston)	1	19	9	1	48.5	0	11	17	2	40.2	60	3	41	22	54	4	37	22	0	1	28	0	4	26	0	5	24	0	0	1	2	1	18	0	0	2	3	15
10	Tynemouth ...	0	18	11	1	48.4	0	11	18	1	38.1	61	3	42	18	56	4	35	22	2	7	22	0	4	26	0	2	28	0	0	0	1	0	11	0	0	3	0	9
11	Inchkeith ...	0	20	10	0	*	0	9	20	1	*	58	3	42	30	53	3	39	22	0	4	25	0	5	25	0	2	28	0	0	0	0	0	25	0	0	0	2	24
12	Renfrew ...	2	17	11	0	*	3	18	7	2	*	57	3	37	16	55	3	27	16	10	2	26	0	3	27	0	2	25	0	0	0	2	2	13	1	1	0	3	10
	Eskdalemuir ...	4	23	3	0	*	4	17	9	0	*	53	3	39	22	48	3	26	22	6	10	20	0	10	17	0	14	12	0	0	1	1	1	16	0	0	0	0	19
13B	‡ Stornoway C.G	0	15	15	0	47.6	0	7	20	3	38.0	55	1, 2, 3	47	21	52	1, 2	35	24	*	0	28	0	2	28	0	1	28	0	0	0	0	0	26	0	0	0	0	27
15	Aberdeen ...	0	21	9	0	46.9	0	10	19	1	37.2	58	3	46	15, 19, 21, 22, 24	52	3	36	22, 30	5	0	24	0	5	20	0	4	20	1	0	0	0	0	15	0	0	0	0	13
19	Dublin ... (Phœnix Park)	0	7	22	1	49.9	7	14	17	2	37.6	61	2	46	16	54	2	28	16	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birr Castle ...	0	15	15	0	49.8	3	14	11	2	36.8	59	2	46	8	55	3	28	16	16	0	22	0	0	22	0	0	27	0	0	0	0	0	29	0	0	0	0	28
20	Valentia ... (Cahirciveen)	0	4	26	0	52.0	0	7	18	5	42.9	58	2	47	19	55	2	33	20	2	3	27	0	4	26	0	5	24	0	0	0	0	0	29	0	0	0	0	27

UPPER AIR TEMPERATURE.

Pressure. mb.	Normal Height. Feet.	Normal Temperature. °F.	Duxford. Mean. °F.	No. of Reports.	S. Farnborough. Mean. °F.	No. of Reports.	Mean. °F.	No. of Reports.
950	1740	40	46	29	44	7		
850	4690	34	37	29	40	6		
750	7950	26	28	29	34	4		
650	11,620	16	17	29	23	4		
550	15,780	1	3	28	12	3		

UPPER WINDS.

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

Station. Height. Feet.	Renfrew. 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	Plymouth (Mt. Batten). No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75	Lympne. No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75	Station. Height. Feet.
2,000	22	3	13	5	1	-	46	6	17	19	4	-	23	3	15	5	-	-	50	9	28	9	3	1	2,000
5,000	3	-	3	-	-	-	21	2	9	8	1	-	3	1	1	-	1	-	23	3	10	8	2	-	5,000
10,000	1	-	1	-	-	-	7	-	5	2	-	-	-	-	-	-	-	-	5	1	3	1	-	-	10,000
15,000	-	-	-	-	-	-	2	-	1	1	-	-	-	-	-	-	-	-	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 November, 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.)	10	12	3	5	0	7·8	1	1258	−217	59	+7	1880	81	'83	26	'88
	Croydon ...	11	11	3	5	0	8·8	1	1276	*	62	*	1922	83	'23	34	'22
	Calshot** ... (Southampton)	7	14	3	6	0	9·0	1	1505	*	75	*	1881	109·	'23	31	'88
	Lympne ...	13	10	4	3	0	8·4	2	1626	*	51	*	1921	108	'25	43	'26
2	Shoeburyness	7	14	6	3	0	8·4	2	1609	*	64	*	1919	104	'20	47	'22
	Gorleston ...	11	11	7	1	0	8·2	2	1474	−231	53	−9	1908	106	'20	37	'12
	Cranwell ...	11	9	7	3	0	6·8	24	1411	−137	62	+4	1921	97	'25	57	{'24 '26
3	Leafield ...	9	12	5	4	0	6·8	21	1348	*	60	*	1924	97	'25	45	'24
4	Ross-on-Wye ...	8	12	8	2	0	7·7	13	1294	−192	63	0	1916	108	'23	42	'19
5	Falmouth ... (Observatory)	7	7	11	5	0	8·0	15	1470	−289	90	+14	1881	145	'23	38	'17
7	Holyhead ...	9	15	3	3	0	8·0	7	1430	−176	53	−12	1914	124	'25	36	'22
8	Liverpool ... (Bidston)	14	7	7	2	0	6·9	13	1286	−170	44	−15	1908	90	'25	47	'17
10	Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11	Inchkeith** ...	10	12	6	2	0	6·5	21	1330	*	54	*	1923	75	'30	51	'29
12	Renfrew ...	14	12	4	0	0	5·9	15	1100	*	30	*	1921	60	'27	39	'29
	Eskdalemuir ...	14	12	4	0	0	5·2	6	1059	−156	33	−14	1910	89	'25	31	'16
13B	‡ Stornoway ...	5	20	4	1	0	6·5	15	1218	−41	45	+2	1881	67	'11	19	'81
15	Aberdeen ...	14	8	8	0	0	6·0	21	1210	−177	47	−8	1881	83	'04	32	'24
19	Dublin ... (Phœnix Park)	9	12	7	2	0	8·0	15	1286	−221	70	−1	1881	101	'25	36	'88
	Birr Castle ...	6	12	10	2	0	6·5	15	1227	−116	69	+5	1881	95	{'81 '08	26	'17
20	Valentia ... (Cahirciveen)	11	13	5	1	0	7·5	8	1276	−169	50	−15	1880	118	'09	33	'17

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.
London ... (Kew Obsy.)	16	4	7	3	0	0	12	18	636	+30	54	−2	1871	130	'26	12	'01	0	0
Croydon ...	16	5	3	6	0	0	14	9	697	+18	75	+6	1921	160	'29	40	'21	0	0
Calshot** ... (Southampton)	12	5	5	7	1	0	17	10	739	+93	105	+38	1871	173	'29	13	'79	2	0
Lympne ...	14	4	5	4	3	0	25	10	695	−29	111	+30	1920	173	'26	40	{'20 '22	2	0
Shoeburyness	19	2	6	3	0	0	10	10	517	+37	43	−9	1920	105	'29	17	'20	0	0
Gorleston ...	16	5	6	2	1	0	20	27	692	+70	58	−3	1871	208	'78	20	'20	0	0
Cranwell ...	13	7	4	6	0	0	11	18	712	+122	57	+10	1917	111	'29	22	'20	0	0
Leafield ...	10	5	9	5	0	1	25	3	734	+40	97	+31	1924	178	'29	47	'25	1	0
Ross-on-Wye ...	10	5	5	9	0	1	41	3	829	+111	135	+71	1818	241	'52	14	'51	0	0
Falmouth ... (Observatory)	8	3	8	7	3	1	43	3	1223	+116	195	+73	1871	340	'29	21	'01	0	0
Holyhead ...	7	4	8	8	2	1	34	3	924	+36	156	+51	1871	204	'77	40	'22	0	0
Liverpool ... (Bidston)	9	9	5	4	3	0	21	26	888	+179	113	+49	1867	128	'77	17	'20	0	0
Tynemouth ...	12	8	7	2	1	0	20	18	816	+195	60	+6	1915	94	{'19 '26	19	'22	0	0
Inchkeith** ...	11	6	6	6	1	0	25	14	735	+181	94	+38	1870	131	'75	11	'96	0	0
Renfrew ...	4	5	9	9	2	1	37	23	1022	+97	181	+83	1921	167	'26	18	'25	0	0
Eskdalemuir ...	6	3	7	7	5	2	70	3	1583	+124	286	+139	1910	278	'29	52	'25	0	2
‡ Stornoway ...	4	8	9	8	1	0	23	4	1172	−94	124	−24	1870	250	'98	76	'85	0	0
Aberdeen ...	13	5	6	4	1	1	41	22	805	+57	111	+36	1871	164	'72	31	'04	0	0
Dublin ... (Phœnix Park)	10	3	10	5	2	0	25	3	820	+115	101	+29	1877	159	'16	10	'22	0	0
Birr Castle ...	9	4	8	6	2	1	30	3	937	+108	157	+78	1872	138	'77	21	'22	0	0
Valentia ... (Cahirciveen)	0	4	12	8	2	4	59	17	1455	+41	312	+173	1870	249	'29	20	'79	0	0

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)	2	8	11	7	2	0	0	0	0
Ross-on-Wye	2	9	11	8	0	0	0	0	0
Falmouth (Obsy.)	1	7	15	6	1	0	0	0	0
Renfrew ...	2	11	12	5	0	0	0	0	0
Eskdalemuir	4	10	15*	1	0	0	0	0	0
Aberdeen ...	0	9	16	5	0	0	0	0	0
Valentia ...	2	6	14	7	1	0	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	30	0	0	0	0	0	0	0	0
Ross-on-Wye	2	28	0	0	0	0	0	0	0	0
Renfrew ...	0	28	2	0	0	0	0	0	0	0
Eskdalemuir	0	28	2	0	0	0	0	0	0	0
Aberdeen ...	0	30	0	0	0	0	0	0	0	0
Valentia ...	0	30	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.

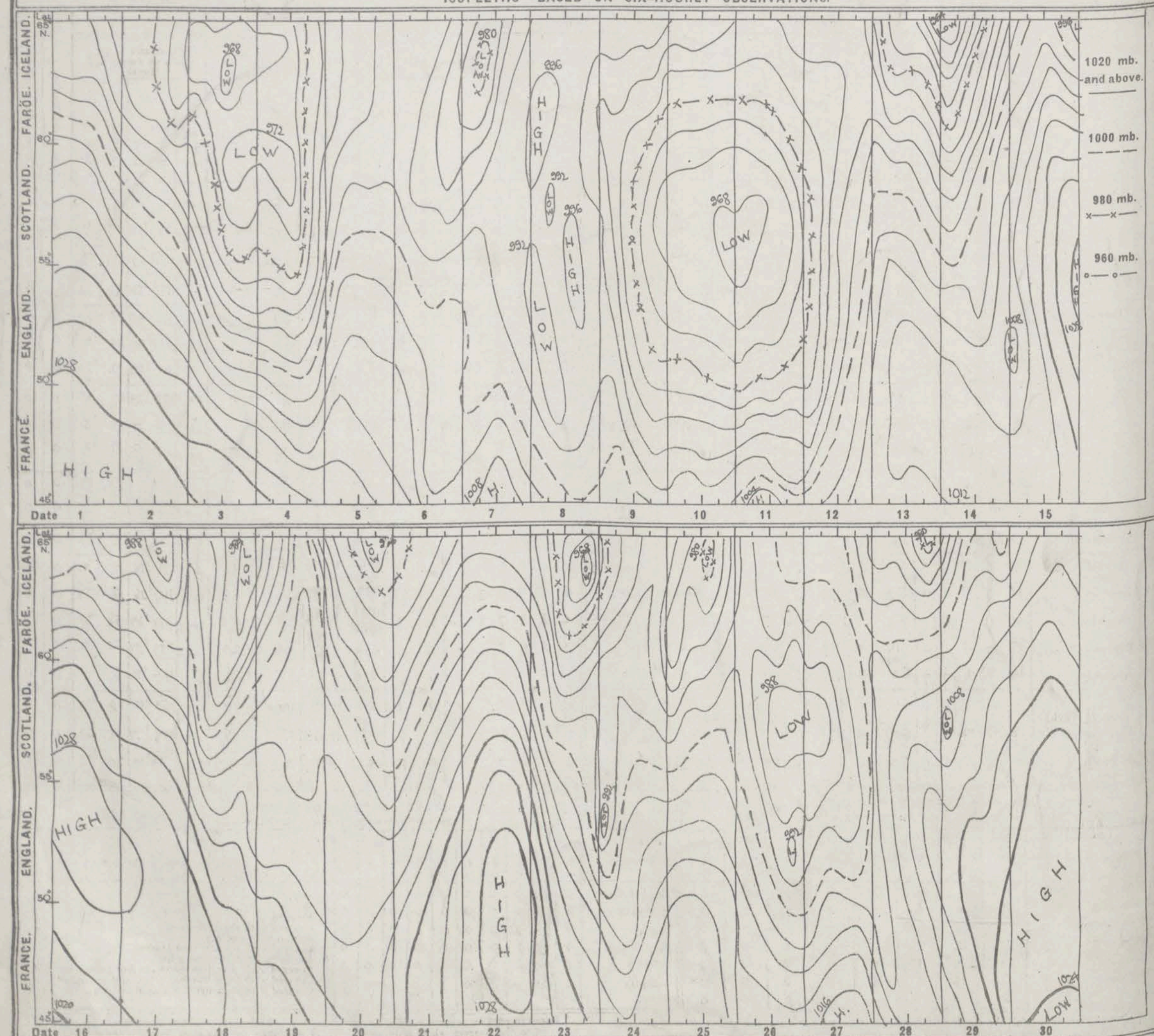
** In extremes of rainfall the short period returns from Inchkeith are supplemented by those from Leith, and extremes of rainfall and sunshine from Calshot by those from Southampton.

‡ 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 from old station.

PRESSURE: ICELAND TO GULF OF LIONS ..... NOVEMBER 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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 1st November 1931.

No. 25,546.

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0-10 (12)	Cloud. Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1029.2	-10	SW	3	bc	50	65	5	7	-	-	2-3	2-3	4000
	Croydon	1029.5	-6	SW	3	b	51	65	6	1	-	-	1	1	4000
	S. Farnborough	1029.4	-10	SSW	3	c	51	65	7	5	-	-	9+	9+	2500
	Winchester	1029.5	-6	SW'W	3	c	48	75	6	5	2	-	9	10	4000
	Boscombe Down	1029.6	-6	S'W	3	c	46	85	5	5	2	-	9+	10	1500
	Calshot, S'thmtn	1029.7	-6	SSW	4	c	51	65	7	5	7	-	7-8	10	4000
	Dungeness	*	*	SW	3	c	*	*	7	5	7	*	4-6	7-8	2500
	Lympne	1029.2	-10	SW	3	bc	51	65	7	1	-	-	2-3	2-3	2500
2	Shoeburyness	1029.6	-10	WSW	3	bc	50	75	6	-	7	-	0	2-3	-
	Felixstowe	1029.7	-14	SW'S	2	c	47	65	6	5	3	-	7-8	7-8	5700
	Gorleston	1028.4	-10	WSW	3	bc	44	75	6	4	8	-	4-6	4-6	4000
	Cranwell	1027.4	-8	SW'W	3	c	48	65	6	5	-	-	7-8	7-8	5700
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1027.9	-2	WSW	3	bc	46	75	6	-	7	-	0	4-6	-
	Upper Heyford	1029.2	-8	SW	3	c	45	85	6	5	-	-	10	10	4000
	Leafield	1028.4	0	SW'S	4	0	44	85	6	5	-	-	10	10	2500
4	Ross-on-Wye	1027.5	-4	SW'W	3	bc	52	75	6	5	4	-	1	2-3	4000
5	Portland Bill	1029.0	+2	S	3	c	52	75	6	4	2	-	7-8	10	2500
	Plymouth	1028.4	-2	S	2	c	55	85	7	5	-	-	9+	9+	1500
	Falmouth	1028.5	+6	S	3	bc	59	85	7	1	6	-	2-3	4-6	4000
	Scilly (St. Mary's)	1027.7	-2	S	2	bc	52	85	8	1	-	-	2-3	2-3	4000
	Guernsey	1029.5	+2	SE	2	c0	53	75	7	5	-	-	10	10	2500
6	Pembroke	1027.2	0	S	2	c	55	95	7	4	6	-	4-6	7-8	1500
7	Holyhead	1024.6	-6	SW'S	5	id.	55	95	6	6	-	-	10	10	800
	Chester (Sealand)	1026.1	-14	S'E	2	c	51	85	6	5	-	-	10	10	2500
8	L'pool (Bidston)	1025.7	-6	SE'E	3	c	49	85	6	5	-	-	10	10	1500
9	Harrogate	1025.6	-6	SSW	1	cm	44	75	4	5	2	-	7-8	10	<150
10	Spurn Head	1026.0	-2	W	2	c	45	75	6	5	3	-	2-3	9+	1500
	Tynemouth	1023.9	-16	SW	2	f	44	75	3	5	-	-	9	9	1500
11	Inchkeith	1021.9	-14	WSW	2	c	46	95	5	5	2	-	4-6	10	1500
	Leuchars	1021.2	-12	SW	2	c	45	85	6	5	1	-	9+	10	1500
12	Renfrew	1021.9	-14	NE	1	df	43	95	3	5	-	-	10	10	1500
	Eskdalemuir	1023.9	-14	SW'S	3	id.	38	95	6	5	-	-	10	10	450
13A	Tiree	1018.4	-14	S	4	iD	51	95	6	5	-	-	10	10	450
13B	Stornoway	1014.9	-14	SSW	7	pr	51	95	7	3	2	-	7-8	10	1500
15	Dalwhinnie	1020.0	-6	SE	1	bc	46	85	8	4	2	-	2-3	4-6	800
	Aberdeen	1019.3	-16	SW	1	c	46	65	5	5	-	-	9+	9+	2500
	Wick	1016.6	-6	SSW	3	c	47	85	8	5	1	-	7-8	9+	2500
16	Lerwick	1016.1	-16	S	4	rr	42	95	6	6	-	-	10	10	800
17	Blacksod Point	1020.3	+6	WSW	5	c	57	85	7	-	2	-	0	10	-
18	Malin Head	1019.6	0	S	3	c	53	95	6	6	2	-	7-8	10	800
	Aldergrove	1021.9	-10	S'W	3	o/r	52	95	6	5	-	-	10	10	450
	Donaghadee	1021.9	-14	S	1	id.	53	95	7	5	-	-	9	9	800
19	Birr Castle	1023.3	+2	S	1	c	58	75	8	8	6	-	4-6	7-8	2500
20	Valentia Obsy.	1022.8	-6	S'E	5	c	57	85	8	5	-	-	9+	9+	1500
	Roches Point	1025.2	-4	SW	2	bc	58	85	8	5	-	-	2-3	2-3	1500

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

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)	1029.5	0	SW'S	2	c	48	85	5	5	-	-	9	9	2500	1	*
	Croydon	1029.5	+2	SSW	2	c	48	75	6	5	-	-	10	10	2500	1	*
	S. Farnborough	1029.4	+2	SSW	2	c	47	75	6	5	-	-	9+	9+	2500	1	*
	Winchester	1029.7	+6	S'W	2	c	47	85	5	5	2	-	9+	10	4000	0	*
	Boscombe Down	1029.3	+2	SSW	3	bc	44	95	6	5	-	-	4-6	4-6	2500	0	*
	Calshot, S'thmtn	1029.8	+2	S	2	c	50	75	7	5	-	-	9+	9+	2500	0	1
	Dungeness	*	*	SW	3	c	*	*	7	4	-	*	9	9	2500	*	2
	Lympne	1029.5	+4	WSW	3	c	45	85	6	5	-	-	9+	9+	4000	0	*
2	Shoeburyness	1029.1	+2	WSW	2	c	49	85	7	5	-	-	9	9	2500	0	*
	Felixstowe	1028.9	0	SSW	2	bc	45	85	6	-	-	1	0	4-6	-	0	1
	Gorleston	1027.7	+2	SW'W	2	o	44	95	5	5	-	-	10	10	1500	0	2
	Cranwell	1026.7	-2	SW	3	c	47	85	5	5	-	-	7-8	7-8	2500	0	*
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1027.4	+2	SW	3	bc	48	85	5	-	7	-	0	4-6	-	1	*
	Upper Heyford	1028.7	+2	SSW	2	c	45	95	6	5	-	-	10	10	2500	1	*
	Leafield	1028.1	0	SSW	3	c	45	95	5	5	-	-	9+	9+	2500	0	*
4	Ross-on-Wye	1027.7	0	SW	2	bc	48	95	5	-	7	9	0	2-3	-	1	*
5	Portland Bill	1028.8	0	S	3	c	53	75	7	4	7	-	4-6	7-8	2500	0	2
	Plymouth	1028.5	+2	S	3	r6	54	95	7	6	-	-	9+	9+	800	1	2
	Falmouth	1028.2	+4	SSW	3	c	52	95	8	8	-	-	7-8	7-8	4000	0	2
	Scilly (St. Mary's)	1027.5	+4	S'E	3	b	52	95	8	1	-	1	Tr	1	4000	0	1
	Guernsey	1029.2	-6	SE	2	c0	51	85	7	5	-	-	10	10	2500	0	2
6	Pembroke	1026.0	+2	SW'S	3	bc	54	95	7	4	-	-	2-3	2-3	1500	0	2
7	Holyhead	1024.7	+2	SW'S	5	c	55	95	6	6	3	-	Tr	9+	800	1	2
	Chester (Sealand)	1026.0	+2	SW	2	c	54	75	6	5	2	-	7-8	9+	2500	1	*
8	L'pool (Bidston)	1025.5	0	SW'W	3	o/r	52	85	8	5	-	-	10	10	1500	1	*
9	Harrogate	1024.5	-6	SW	1	rr	47	95	5	6	-	-	10	10	2500	1	*
10	Spurn Head	1024.9	-2	SW	2	c	47	85	6	5	2	-	7-8	10	1500	0	3
	Tynemouth	1021.9	-4	S	1	o	49	85	6	6	-	-	10	10	1500	1	1
11	Inchkeith	1020.9	-6	WSW	2	o	47	95	6	5	-	-	10	10	800	0	2
	Leuchars	1019.6	-6	WSW	2	o	47	95	5	5	-	-	10	10	1500	1	*
12	Renfrew	1021.2	+4	-	0	df	45	95	2	8	-	-	10	10	800	1	*
	Eskdalemuir	1022.7	+2	S	2	id.	45	95	4	5	-	-	10	10	<150	1	*
13A	Tiree	1018.6	+6	SW	5	o	53	95	6	5	-	-	10	10	800	1	3
13B	Stornoway	1014.6	+4	SSW	3	c	53	95	7	5	2	-	7-8	10	1500	1	2
15	Dalwhinnie	1017.5	-6	-	0	c	43	65	6	6	-	-	7-8	7-8	800	0	*
	Aberdeen	1017.8	-6	SW	2	c	47	85	6	5	5	-	1	7-8	2500	1	1
	Wick	1014.9	-12	SSW	4	r.r.	49	95	8	9	1	-	7-8	10	1500	1	3
16	Lerwick	1012.7	-16	~~W'S~~	2	o/r	48	95	6	6	-	-	10	10	800	2	*
17	Blacksod Point	1020.0	-4	S5	5	c	55	85	7	9	8	-	4-6	7-8	450	0	4
18	Malin Head	1020.1	+6	SW	3	c	54	95	7	5	-	-	9+	9+	2500	0	2
	Aldergrove	1022.7	+8	S	2	c	54	95	7	5	-	-	9+	9+	1500	1	*
	Donaghadee	1022.5	+6	-	0	id.	54	95	7	5	-	-	7-8	7-8	800	1	0
19	Birr Castle	1022.6	+2	S	1	c	54	85	8	8	-	-	9	9	2500	1	*
20	Valentia Obsy.	1021.9	-6	S'E	4	c	55	95	8	8	-	-	9+	9+	1500	1	3
	Roches Point	1023.6	0	SW	2	bc	54	95	8	5	-	9	2-3	4-6	1500	0	2

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. 31st (37)	Weather. 13h.–18h. 31st (38)	Weather. 18h. 31st to 1h. 1st (39)	Weather. 1h.–7h. 1st (40)
1	London (Kew)	cfb3.bc3.	cm.	cm.om.	om.w
	Croydon	cm.b3.	bcc3.	bbcc3.	c3.
	S. Farnborough	cmxbcfbmmc	cc	cbcc	cbxc
	Winchester	cm.	cm.	cbccm.	cm.
	Boscombe Down	cm.	cm.	cm.	cw
	Calshot, S'thmtn	cm.	c	c	bcw
	Dungeness	bc	bcc	*	bc
	Lympne	cb	bc	cm.	cm.
2	Shoeburyness	cm.bcm.	bm.cm.	c	c
	Felixstowe	bcx3.c3.	bc3.	bc3.	c
	Gorleston	cbcm.	bccm.	ocm.	ocm.
	Cranwell	cm.3.	c3.m.	cirm	cmm.
3	Cardington	*	*	*	cwm.
	Birmingham	cbc	bc	bcc	c
	Upper Heyford	c,b,cm.	cbccm.	cbccw	cbccw
	Leafield	co	c	c	c
4	Ross-on-Wye	comcbc	bccb	bccmom	coc
5	Portland Bill	c,c3.	c	c,bc	bc,bc
	Plymouth	cm.	cir	cr.bc	bcc
	Falmouth	bcf	bc	bcc	cq
	Scilly (St. Mary's)	bc	bcb	bbcc	bcc.
	Guernsey	o	o	bbc	bcb
6	Pembroke	c	cbc	bc	bc
7	Holyhead	cm.id.m.	id.cm.	cm.c	c
	Chester (Sealand)	cm.	cir.m.	cm.	cbcwm.
8	L'pool (Bidston)	cmc	r.oir	cc	prbc
9	Harrogate	cm	cor.r	ocrr	cbc
10	Spurn Head	bcc	cmc	oir	or.c
	Tynemouth	bccff	coffr.	cir.c	c
11	Inchkeith	cm.	cmm.	cmorr.	c
	Leuchars	cm.	com.	om.irc	c
12	Renfrew	off,d	ffddr	idfcr	cm.c
	Eskdalemuir	coid.	odm	od.f	c
13A	Tiree	coid.	miRo	ocpr	c
13B	Stornoway	cpr	cid	c	cpbr
15	Dalwhinnie	bc	c	*	c
	Aberdeen	bccj.	cbcj.	circ	cm.bc
	Wick	crrc	cr.r	c	c
16	Lerwick	orrm.	orrm.	orra.ff	FForr
17	Blacksod Point	id	cq	cq	cq
18	Malin Head	crm.	cdm.c	cbcc	cbcc
	Aldergrove	od.d.rr	id.c	c	cid.
	Donaghadee	cid.	cid.	c	c
19	Birr Castle	oirc	cbcc	c	c
20	Valentia Obsy.	c	c	c	c
	Roches Point	cir.bc	bc	bccw	cw

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, ,, less than 220 yds.
f.s, fog over sea (coast station).
f.g, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s., slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

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

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.

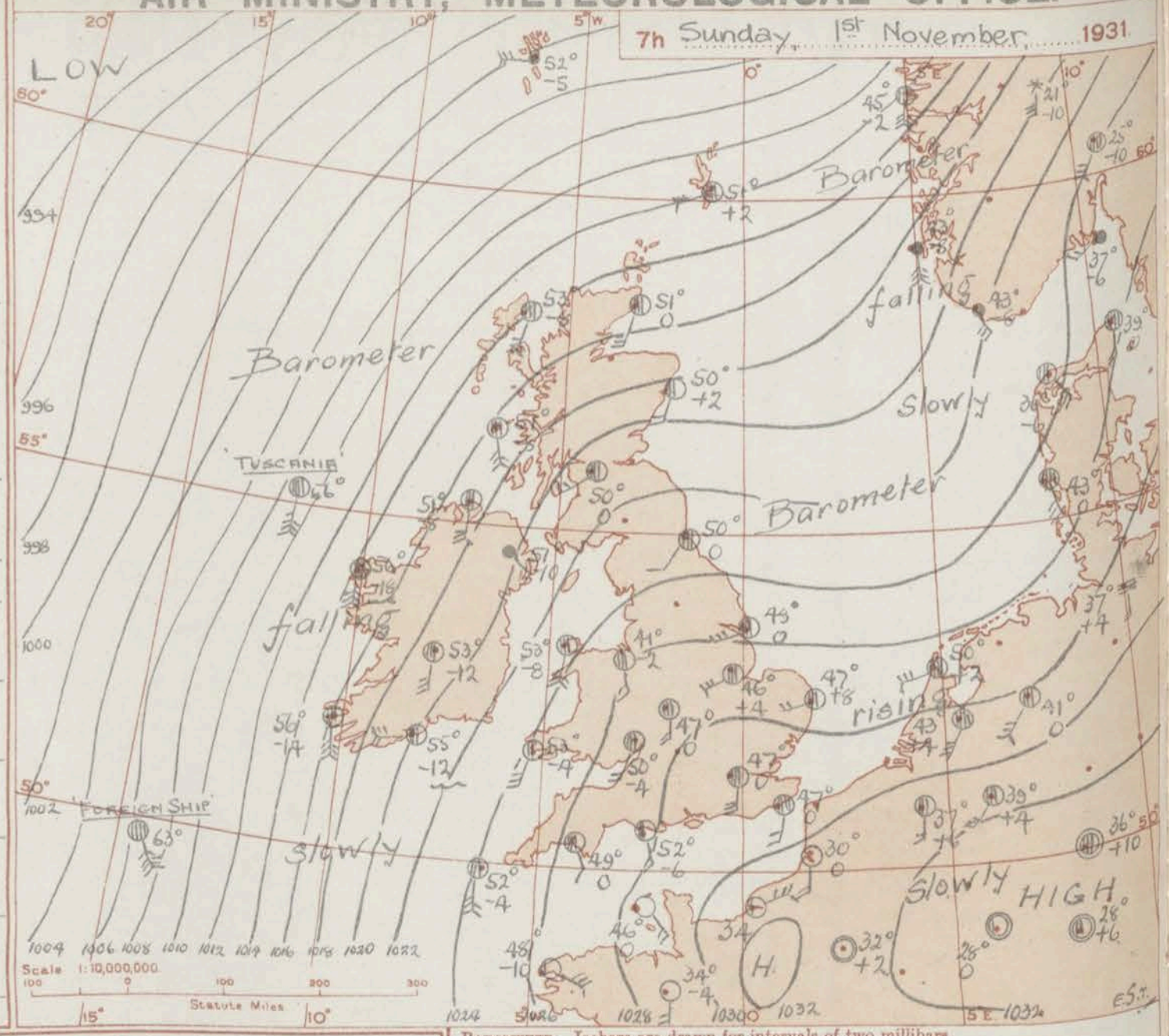
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 31st October, 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. 1931
1	Tunbridge W.	bc	bco	25	52	-	-	3.7
	Bournemouth	o	of	29	51	-	-	0.0
	Ventnor ...	c	o	41	51	-	-	0.1
	Southsea ...	bco	om	35	51	-	-	1.3
	Bognor Regis	bc	bcc	34	52	-	-	2.8
	Littlehampton	bc	bcc	30	53	-	-	3.3
	Worthing ...	bc	bcc	31	54	-	-	3.3
	Brighton ...	fcbc	cbc	31	52	-	-	3.4
	Eastbourne†	cmcbcc	co	31	51	-	-	1.7
	Hastings† ...	cmbc	bcc	34	52	Trace	-	3.0
	Folkestone ...	xbcc	bc	34	53	-	-	4.9
	Dover... ...	ycbc	bc	32	52	-	-	4.4
	Deal	bbcc	bcb	31	51	-	-	5.5
	Ramsgate ...	bc	bc	33	52	-	-	5.5
	Margate ...	cbc	bc	38	53	-	-	5.6
2	Southend ...	cfbc	bcco	34	53	Trace	-	3.7
	Maldon ...	xmcb	bbcco	25	51	-	-	3.4
	Clacton-on-Sea	cbc	bcj	30	50	-	-	4.8
	Dovercourt ...	xbcc	bcc	31	49	-	-	2.3
	Lowestoft ...	bbcc	cbo	31	45	-	-	2.3
	Skegness ...	om.	ocom.	29	49	-	-	1.5
	Mablethorpe	cbc	cm.	29	49	-	-	0.9
	Cleethorpes ...	c	c	31	48	Trace	-	0.9
3	Leamington S.	c	c	29	52	-	-	1.6
4	Cheltenham†	om.c	cbcom	33	50	-	-	1.1
5	Bath	c	cbcbm	29	53	-	-	1.1
	Weymouth ...	fc	c	38	53	-	-	0.0
	Jersey ...	pcbc	b	47	54	Trace	-	5.5
	Torquay ...	odcf	mcomm	46	55	Trace	-	0.2
	Penzance ...	b	b	51	61	-	-	7.5
	St. Ives ...	b	b	48	59	-	-	8.3
	Bude	mb	bbcb	46	60	-	-	6.4
	Ilfracombe ...	bcb	bbc	44	60	-	-	6.8
6	Aberystwyth	bc	bcmrc	39	55	-	Trace	1.1
7	Llandudno ...	c	c	34	57	-	-	0.6
	Colwyn Bay...	obcc	c	33	57	-	-	1.1
	Rhyl	bc	bc	29	54	-	-	6.1
8	Wallasey ...	fo	orco	35	53	-	0.3	0.0
	Southport‖ ...	oco	odo	32	51	-	1	0.0
	Blackpool ...	c	od	33	52	-	3	0.0
	Morecambe ...	xc	cmdcro	30	48	-	2	0.0
9	Ilkley... ...	c	cof	26	46	Trace	-	0.0
10	Berwick-on-T.	cbc	o	32	47	-	-	0.6
11	Dunbar ...	bcm.	cm.	32	52	-	Trace	0.0
12	Douglas ...	cm.d.	orkm.o	32	53	1	6	0.0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



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. 1st. Nov. 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Wind south or southwest, moderate; mainly fair, perhaps cloud increasing later; occasional drizzle, mild.
4. W. Midlands 5. S.W. England 6. South Wales	Wind south or southwest, moderate, fresh locally; mainly cloudy, probably some drizzle later; mild.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Wind south or southwest, moderate, fresh locally; mainly cloudy; local drizzle, mild.
13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands. 17. N.W. Ireland	Wind south or southwest, moderate to strong; cloudy, some drizzle or occasional rain; mild.
18. N.E. Ireland 19. S.E. Ireland	As 7 - 12.
20. S.W. Ireland	As 13 - 17.

GENERAL INFERENCE.

Pressure remains high to the south and east of the British Isles and depressions are indicated on the Eastern Atlantic. South or southwest winds will be maintained generally and weather will be mild and mainly cloudy with some local drizzle or rain, especially in the north and west.

FURTHER OUTLOOK.

Probably similar.

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 Pk 309/1232 Wt. 0.8001 Gp.908 21000 10/31

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, 1st November, 1931.

No. 25,546.

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

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	1029·4	0	SSW	3	c	47	85	6	5	2	–	4·6	9	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1029·3	-2	S	2	bc	49	85	7	5	–	–	2-3	2-3	2500
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1029·3	+2	WSW	2	c	47	75	6	5	–	–	10	10	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1027·7	0	WSW	2	0	47	95	6	5	–	–	10	10	1500
	Cranwell	240	1026·7	-2	SW'W	3	m	47	95	4	5	3	–	7-8	9	2500
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1028·6	0	S	3	bc	53	75	8	1	6	–	2-3	2-3	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1027·0	-8	S	4	c	54	95	8	5	–	–	7-8	7-8	4000
	Scilly (St. Mary's)	163	1026·3	-6	SSE	5	bc	52	95	7	1	–	–	4-6	4-6	4000
	Guernsey	175	1028·4	-4	ESE	3	bc	49	85	6	8	–	–	4-6	4-6	2500
6	Pembroke	142	1025·3	-4	SSW	3	bc	54	95	7	4	1	–	2-3	4-6	1500
7	Holyhead	26	1024·7	-1	SW'S	4	c	54	95	7	5	–	–	9+	9+	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1024·8	0	WS	3	ir.	48	95	6	3	2	–	7-8	10	1500
	Tynemouth	67	1022·9	+4	SW	2	c	53	85	7	2	–	–	7-8	7-8	2500
11	Inchkeith	190	1020·4	-2	WSW	3	ir.	52	95	7	5	2	–	4-6	9+	800
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1015·3	0	S	5	c	54	95	7	9	–	–	9+	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1015·8	+6	SW	3	c	54	95	8	8	2	–	7-8	10	1500
16	Lerwick	54	1011·6	+6	SSW	3	F	51	95	1	5	–	–	10	10	<150
17	Blacksod Point	18	1018·0	-10	S	6	q	55	85	7	9	5	–	7-8	7-8	220
18	Malin Head	52	1019·3	-4	S	3	c	52	95	8	5	5	–	1	9	2500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1020·0	-14	S	6	c	55	95	7	6	–	–	9	9	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	1029·6	+2	S'W	1	fg	41	95	6	5	–	–	10	10	2500	1	*
Croydon	1029·2	0	S	3	c	47	85	7	5	2	–	7-8	10	2500	1	*
S. Farnborough	1029·5	+2	SSE	1	c	40	95	7	5	–	–	9	9	2500	1	*
Winchester	1029·4	0	–	0	fg	39	95	7	5	–	–	9	9	2500	0	*
Boscombe Down	1029·0	+2	SE	3	c	45	95	7	5	–	–	9+	9+	1500	0	*
Calshot, (S'thmtn)	1029·1	0	SSE	1	bc	43	95	6	5	8	–	2-3	2-3	2500	0	1
Dungeness	*	*	SW	2	c	*	*	7	5	7	*	4-6	7-8	2500	*	1
Lympne	1029·2	0	S'W	2	o	47	85	7	5	–	–	10	10	2500	0	*
Shoeburyness	1029·6	+2	WSW	2	c	48	85	7	5	2	–	4-6	9+	4000	0	*
Felixstowe	1029·5	+6	SSW	2	c	47	85	7	5	–	–	10	10	4000	0	0
Gorleston	1027·9	+8	W	2	c	47	95	6	4	–	–	9	9	2500	0	2
Cranwell	1027·3	+4	WSW	4	c	46	95	5	5	–	–	10	10	450	1	*
Cardington	1028·8	0	SW'W	2	c	44	95	6	7	–	–	9	9	2500	*	*
Birmingham	1027·5	0	S	2	c	47	95	6	5	–	–	7-8	7-8	2500	1	*
Upper Heyford	1028·8	+2	S	1	c	44	95	6	5	–	–	9+	9+	2500	0	*
Leafield	1028·1	0	S'E	3	c	44	95	7	5	–	–	9+	9+	2500	0	*
Ross-on-Wye	1027·3	-4	SSW	2	c	50	95	6	5	–	–	10	10	4000	1	*
Portland Bill	1027·7	-6	SSE	2	bc	52	75	8	4	6	9	2-3	4-6	2500	0	2
Plymouth	1026·7	0	SE	1	c	49	85	7	5	–	–	7-8	7-8	800	1	1
Falmouth	1025·8	-6	SSE	5	q	53	85	8	8	–	–	7-8	7-8	4000	0	3
Scilly (St. Mary's)	1024·7	-4	S'E	5	c	52	95	8	5	–	–	7-8	7-8	4000	0	2
Guernsey	1028·2	0	SE	2	b	46	75	8	–	–	–	0	0	–	0	3
Pembroke	1024·2	-4	SSW	3	bc	534	95	8	4	1	–	4-6	4-6	1500	0	2
Holyhead	1023·3	-8	S'W	5	c	53	95	7	5	–	2	9	9+	1500	1	1
Chester (Sealand)	1026·2	-2	SSE	2	c	41	95	8	5	–	4	7-8	7-8	1500	1	*
L'pool (Bidston)	1025·3	0	SSE	3	bc	45	85	8	5	–	4	1	2-3	2500	0	*
Harrogate	1025·4	0	SW	1	bc	44	95	5	5	–	9	1	2-3	4000	1	*
Spurn Head	1025·8	0	WSW	3	c	48	95	6	5	3	–	4-6	7-8	1500	1	3
Tynemouth	1022·9	0	SW	1	c	50	85	7	6	–	–	7-8	7-8	1500	1	2
Inchkeith	1020·7	0	SW	3	c	51	95	8	5	7	–	4-6	9+	4000	0	2
Leuchars	1019·8	+2	WSW	5	c	50	85	8	1	4	2	Tr.	7-8	2500	1	*
Renfrew	1021·5	0	WSW	2	c	50	95	7	8	–	–	9+	9+	1500	1	*
Eskdalemuir	1023·0	0	SSW	4	c	48	95	7	5	–	5	9+	9+	800	1	*
Tiree	1016·7	-8	SSE	5	c	51	95	7	5	7	–	4-6	7-8	2500	0	X3
Stornoway	1014·0	-8	SSW	5	c	53	95	8	9	2	–	9	9+	2500	1	3
Dalwhinnie	1020·7	0	S	3	c	49	85	8	4	2	–	7-8	10	1500	1	*
Aberdeen	1018·5	+2	SSW	2	bc	50	95	7	5	7	–	2-3	4-6	4000	1	1
Wick	1015·7	0	SSW	3	c	51	95	8	5	1	8	4-6	10	2500	0	2
Lerwick	1013·1	+2	WSW	4	c/r	51	95	6	5	3	–	4-6	7-8	800	2	*
Blacksod Point	1014·4	-18	S	6	q	56	65	8	9	–	–	7-8	7-8	450	0	5
Malin Head	1017·6	-8	S	4	c	51	95	8	5	8	9	4-6	7-8	2500	0	2
Aldergrove	1020·9	-10	SE'S	2	ido	51	85	8	5	–	–	10	10	1500	1	*
Donaghadee	1021·6	-6	SW	1	c	52	95	7	5	–	–	7-8	7-8	1500	1	0
Birr Castle	1018·5	-12	S	3	c	53	85	7	5	–	–	9+	9+	2500	1	*
Valentia Obsy.†	1016·5	-14	SSE	6	c	56	85	8	8	–	9	7-8	9	1500	1	*
Roches Point	1020·3	-12	W	5	c	55	85	8	3	–	–	7-8	7-8	1500	0	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 31st Hrs. (36)
London (Kew)	51	38	29	Tr.	–	2·7
Croydon	53	44	40	–	–	3·6
S. Farnborough	53	37	25	–	–	3·2
Winchester	49	32	25	–	–	1·8
Boscombe Down	49	40	34	–	Tr.	*
Calshot, (S'thmtn)	51	42	33	–	–	*
Dungeness	52	48	*	–	–	–
Lympne	51	45	44	–	–	3·4
Shoeburyness	51	45	43	–	–	3·9
Felixstowe	49	44	42	–	–	2·9
Gorleston	47	44	42	–	–	1·5
Cranwell	49	45	43	–	0·6	1·8
Cardington	*	*	*	*	*	*
Birmingham	49	45	42	–	–	0·4
Upper Heyford	47	42	37	–	–	*
Leafield	46	43	39	–	–	0·7
Ross-on-Wye	52	45	37	–	–	1·5
Portland Bill	54	51	*	–	–	*
Plymouth	57	48	45	0·3	Tr.	0·8
Falmouth	60	53	*	–	–	6·3
Scilly (St. Mary's)	58	51	*	–	–	9·0
Guernsey	53	46	41	–	–	0·0
Pembroke	56	53	*	0·3	–	0·8
Holyhead	55	53	48	0·4	–	0·0
Chester (Sealand)	54	40	36	0·4	–	0·1
L'pool (Bidston)	52	45	41	0·4	Tr.	0·1
Harrogate	48	44	38	0·1	2	0·2
Spurn Head	48	45	*	–	1	1·5
Tynemouth	49	49	46	0·2	0·6	*
Inchkeith	49	45	45	–	Tr.	0·0
Leuchars	48	46	44	–	0·1	0·4
Renfrew	45	45	45	3	1	0·0
Eskdalemuir	45	43	43	1	0·5	0·0
Tiree	54	51	48	2	0·1	0·0
Stornoway	54	52	*	3	0·1	0·0
Dalwhinnie	47	42	42	–	Tr.	0·5
Aberdeen	48	46	43	–	2	0·2
Wick	49	49	*	2	0·6	*
Lerwick	49	43	*	10	9	0·0
Blacksod Point	57	54	*	Tr.	–	*
Malin Head	55	49	*	1	–	0·0
Aldergrove	54	46	35	5	Tr.	0·0
Donaghadee	55	47	*	1	Tr.	*
Birr Castle	61	50	43	2	–	2·5
Valentia Obsy.†	58	54	50	–	–	1·1
Roches Point	59	54	*	1	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. (To-day)
Kew	18	cfbs. bc3.	cm.	cm. om. w	51	38	29	Tr.	–	2·7	*	*	6
Croydon	217	cm. bs.	bcc3.	bc3. c3.	53	44	40	–	–	3·6	*	*	
Greenwich (Royal Observatory)	149	cfb	bcm.	bcm. wb	53	44	32	–	Tr.	1·7	69	70	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	1·8	*	*	*
Westminster (St. James' Park)	27	*	*	*	53	44	37	–	–	1·7	67	62	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*		*	*	*
Camden Square	110	cb	bc	*	52	44	34	–	–	*	*	77	*
Kensington	80	bcc	c	*	53	41	31	–	–	1·8	At 18h. 81	70	*
Hampstead Observatory	450	cbc	bc	*	52	41	30	Tr.	–	20	*	82	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.
1.7	10h 25m	N.R.	2-5h. 1st

Kew Observatory Max.	Time.	Min.	Time.
1·3	9h 31st	0.2	3h 1st

FOREIGN OBSERVATIONS.

18h. G.M.T. 31st October. 7h. G.M.T. 1st November.

Stations	18h. Barom. mb.	18h. Wind Direc.	18h. Wind Force	18h. Weather	18h. Temp. °F.	7h. Barom. mb.	7h. Wind Direc.	7h. Wind Force	7h. Weather	7h. Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1031·8	–	0	3	41	1031·8	–	0	b	32	50	30	–	–
Brussels	1031·0	WSW	1	b	39	1031·6	S	2	c	37	48	25	–	–
Berlin	1024·7	NW	2	bc	37	1032·3	–	0	F	32	43	23	–	–
Zurich	1030·2	E	2	b	37	1032·0	NW	1	bc	28	50	28	–	–
Rome	1022·6	ESE	1	b	59	1026·7	NE	2	b	50	68	46	–	–

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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.

ION
1931.

RS.

SUN-SHINE 31st Hrs. (36)
2.7
3.6
3.2
1.8
3.4
3.9
2.9
1.5
1.8
•
0.4
•
0.7
1.5
•
0.8
6.3
9.0
0.0
0.8
0.0
0.1
0.1
0.2
1.5
•
0.0
0.4
0.0
0.0
0.0
0.0
0.5
0.2
•
0.0
•
0.0
0.0
•
2.5
1.1
•

etc.

Code for ...ity. ...visible at ...yards. ... miles. ...nd 31m.

...ode for ... rough. ... high. ...pitous. ...used.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 2nd November, 1931.

No. 25,547.

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

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)...	1027.7	-16	S'W	4	b	53	55	6	-	-	1	0	Tr.	-
	Croydon ...	1028.0	-14	SSW	4	bc	55	55	6	-	-	1	0	2.3	-
	S. Farnborough	1027.7	-18	S	3	b	56	56	8	-	-	1	0	Tr.	-
	Winchester ...	1027.5	-16	S'E	4	b	54	65	8	-	-	-	0	0	-
	Boscombe Down	1027.2	-14	SSE	4	b	54	55	8	-	3	-	0	Tr.	-
	Calshot, S'thmtn	1028.3	-14	SSE	4	b	53	65	8	-	-	5	0	Tr.	-
	Dungeness ...	*	*	S	3	b	*	*	7	-	5	*	0	1	-
	Lympne ...	1028.8	-10	S'W	4	b	52	65	9	-	-	8	0	Tr.	-
2	Shoeburyness	1028.3	-16	SSW	4	bc	55	75	7	-	-	1	0	4.6	-
	Felixstowe ...	1028.7	-12	SSW	3	bc	53	65	8	-	-	4	0	4.6	-
	Gorleston ...	1028.1	-4	SW'W	3	c	52	85	6	7	-	-	7.8	7.8	2500
	Cranwell ...	1026.4	-10	SSW	3	c	53	75	7	8	-	-	9	9	2500
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1026.1	-8	S	3	bc	51	75	8	1	-	1	4.6	4.6	1500
	Upper Heyford	1026.8	-18	S'W	4	bc	55	75	7	1	-	1	2.3	2.3	2500
	Leafield ...	1026.1	-10	S	4	b	53	65	7	1	-	1	Tr.	Tr.	4000
4	Ross-on-Wye ...	1025.5	-14	S'W	3	b	56	65	7	1	-	1	1	1	4000
5	Portland Bill...	1026.9	-8	S	3	bc	54	55	8	-	6	-	0	2.3	-
	Plymouth ...	1025.8	-10	SSE	4	c	53	75	8	5	-	-	9+	9+	1500
	Falmouth ...	1025.2	-6	S'E	5	g	55	85	8	1	8	-	4.6	7.8	4000
	Scilly (St. Mary's)	1023.4	-12	SSE	5	d	55	95	7	4	-	-	7.8	7.8	4000
	Guernsey ...	1026.6	-10	SE	4	b	53	55	8	-	-	-	0	0	-
6	Pembroke ...	1024.0	-6	S'E	4	c	54	95	7	7	2	-	7.8	10	800
7	Holyhead ...	1022.2	-10	S'W	5	~~c~~ q	53	85	8	5	-	-	10	10	2500
	Chester (Sealand)	1024.6	-14	S	3	c	55	65	7	5	-	9	7.8	9+	2500
8	L'pool (Bidston)	1024.0	-6	SSW	3	c	55	75	8	5	7	-	7.8	9	2500
9	Harrogate ...	1024.8	-6	SSW	3	c	51	75	6	6	-	-	9+	9+	2500
10	Spurn Head ...	1025.6	-2	WSW	3	c	54	85	6	4	4	-	4.6	7.8	2500
	Tynemouth ...	1022.6	-4	SW	3	c	55	75	7	6	-	-	9	9	1500
11	Inchkeith ...	1020.2	-4	SW	4	c	53	85	8	5	2	-	4.6	9+	4000
	Leuchars ...	1019.5	-10	SW	3	c	53	85	7	5	7	-	9	9+	2500
12	Renfrew ...	1020.2	-8	SW	3	id	52	95	6	5	-	-	10	10	1500
	Eskdalemuir ...	1021.5	-8	SSW	6	c	50	95	8	5	-	-	10	10	1500
13A	Tiree ...	1014.4	-20	SSE	6	c	54	85	7	5	3	8	2.3	9+	2500
13B	Stornoway ...	1012.5	-10	SSW	6	c	54	85	8	8	7	9	4.6	9	2500
15	Dalwhinnie ...	1016.8	0	S	5	c	50	85	8	4	2	-	7.8	9	800
	Aberdeen ...	1017.8	-12	SW	2	c	54	75	7	5	7	-	2.3	9	1500
	Wick ...	1015.3	-6	S	3	cjpr	52	85	8	3	4	8	7.8	10	1500
16	Lerwick ...	1014.0	-2	WSW	3	c	54	85	7	5	7	1	4.6	7.8	1500
17	Blacksod Point	1011.2	-26	S	8	g	55	85	7	9	-	-	10	10	<150
18	Malin Head ...	1012.2	-46	S	7	d	55	76	8	5	9	9	2.3	9+	2500
	Aldergrove ...	1018.9	-14	SSE	4	c	54	85	8	5	-	-	10	10	1500
	Donaghadee ...	1019.7	-12	SSW	2	c	54	85	7	5	-	-	7.8	7.8	1500
19	Birr Castle ...	1017.2	-8	S	3	c	55	75	7	5	2	-	7.8	10	2500
20	Valentia Obsy.	1014.9	-10	SSE	5	rr	55	95	5	6	-	-	10	10	800
	Roches Point...	~~1020.7~~ 1018.7	-10	SW	5	bc	57	85	8	5	-	9	2.3	4.6	1500

OBSERVATIONS at 18h. G.M.T. 1st November — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Amount Low 0-10 (26)	Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)	Weather 7h.–13h. 1st (37)	Weather 13h.–18h. 1st (38)	Weather 18h. 1st to 1h. 2nd (39)	Weather 1h.–7h. 2nd (40)
London (Kew)...	1027.5	0	S	1	b	45	75	5	5	-	8	Tr.	1	2500	1	•	m$_o$bz$_o$y	bz$_o$bm$_o$	bmbfx	bfxcfx
Croydon ...	1027.2	-2	SSE	3	b	45	75	5	-	3	1	0	1	-	1	•	bz$_o$y	byz$_o$	bz$_o$w	bwz$_o$
S. Farnborough	1026.9	+2	SSE	2	b	45	75	6	-	-	1	0	Tr.	-	0	•	cby	byb	bwx	bx bc
Winchester ...	1026.9	-2	SSE	1	b	41	85	7	4	-	-	1	1	4000	0	•	m$_o$bbcb	b	bmx	bbcmx
Boscombe Down	1026.5	-2	SSE	3	b	40	85	8	-	4	-	0	1	-	0	•	cbbcb	b	bbc	bcw
Calshot, S'thmtn	1026.8	-6	SE	3	b	50	75	8	-	3	-	0	1	-	0	2	bcm$_o$b	b	bw	bwbc
Dungeness ...	*	*	S	3	bc	*	*	7	5	5	*	2.3	4.6	4000	*	1	b	bc	*	bc
Lympne ...	1027.8	-6	SSE	3	b	45	75	6	-	-	-	0	0	-	0	•	bv	b	bm$_o$w	bm$_o$w
Shoeburyness	1028.2	0	S'W	1	bc	40	95	7	-	-	1	0	2.3	-	0	•	cbbc	bc	bcbx	bxbc
Felixstowe ...	1028.3	-2	S	3	bc	48	85	8	-	-	1	0	2.3	-	0	1	cbc	bcb	b	bwbc
Gorleston ...	1027.4	0	SSW	2	bc	48	85	6	-	4	3	0	4.6	-	0	2	c	cbc	bc bbc	bbc
Cranwell ...	1025.7	-2	S'E	1	bc	43	95	6	-	3	1	0	2.3	-	1	•	cm$_o$c	cbcm$_o$	bcm$_o$	cm$_o$cf
Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	bwbcm$_o$
Birmingham ...	1025.1	-2	W	2	bc	47	75	5	-	-	9	0	4.6	-	1	•	cbc	bc	bc	bc
Upper Heyford	1026.7	+6	S'W	2	bc	44	75	7	-	1	8	0	2.3	-	0	•	cbcm$_o$	bcbbc	bbc.wm$_o$	bcxm$_o$
Leafield ...	1025.7	0	S'E	4	b	41	85	7	-	-	8	0	1	-	0	•	cb	b	b	bxbc
Ross-on-Wye ...	1025.1	0	S	2	bc	47	75	7	-	1	6	0	4.6	-	0	•	cbcb	b	cwc	bc
Portland Bill...	1025.6	-10	SE'S	3	bc	52	65	8	-	6	-	0	2.3	-	0	3	bc	bc	bc	bc, bc
Plymouth ...	1024.8	-2	SE	2	b	49	85	8	2	-	1	1	1	1500	1	1	o	cb	bbc	bcc
Falmouth ...	1023.7	-6	SSE	4	c	53	95	7	5	-	-	7.8	7.8	4000	0	3	cbcq	bcc	cbcq	bccq
Scilly (St. Mary's)	1022.1	-10	SSE	5	c	53	95	6	5	1	-	7.8	7.8	4000	0	3	c	c	c	c
Guernsey ...	1025.4	-8	ESE	4	b	51	65	9	-	1	-	0	Tr.	-	0	4	b	bv	bv	bbc
Pembroke ...	1022.1	-12	SSE	4	u	54	95	7	9	6	-	7.8	10	800	0	3	bco	ou	oc	ocq
Holyhead ...	1020.3	-8	S'W	5	g	53	85	6	5	-	-	9+	9+	1500	1	3	cq	cqm$_o$	coqm$_o$	cqm$_o$
Chester (Sealand)	1023.7	-2	SSE	2	d	48	85	6	5	-	-	9	9	2500	1	•	m$_o$c	cm$_o$	cbcm$_o$	c
L'pool (Bidston)	1023.2	0	SE'S	3	c	50	75	8	6	2	-	4.6	9	2500	0	•	bcc	cbcc	cbcc	cbc
Harrogate ...	1024.1	-6	SSW	2	b	46	85	5	-	4	-	0	1	-	1	•	bcc	cb	b	bbc
Spurn Head ...	1024.8	0	S	2	bc	48	95	6	4	3	-	~~4.6~~ 2.3	4.6	4000	0	2	bc	cbc	bccbc	bcmc
Tynemouth ...	1021.4	-6	SSW	2	o	52	85	7	6	-	-	10	10	1500	0	2	c	co	obc	cbc
Inchkeith ...	1018.6	-8	SW	3	c	52	85	8	5	-	-	9+	9+	2500	0	2	c	c	c	c
Leuchars ...	1017.5	-10	S	3	c	52	85	7	5	7	-	9	9+	1500	1	•	c	cif$_o$c	c	c
Renfrew ...	1018.1	-10	SSW	3	c	52	75	7	5	-	-	9+	9+	2500	1	•	c	cfcm$_o$	cr$_o$	cr$_o$r$_o$r
Eskdalemuir ...	1020.5	0	SW'S	4	c	49	85	6	5	-	-	10	10	1500	1	•	cid$_o$c	cd$_o$c	c	crc
Tiree ...	1011.5	-10	SSE	6	ir	52	95	6	6	2	-	9+	10	1500	1	3	cbcc	ciR	circ	oir
Stornoway ...	1008.9	-24	S	7	r	54	85	7	6	2	-	9	10	2500	1	5	cp$_o$r	c	cii$_o$	cid dd
Dalwhinnie ...	1015.3	-16	S	7	c	49	75	8	9	1	-	4.6	7.8	800	0	•	c	c	•	r
Aberdeen ...	1015.8	-16	SSE	2	c	51	85	6	5	7	-	2.3	7.8	2500	1	1	bcc	cbc	cq	cq
Wick ...	1011.6	-20	S	3	c	52	85	8	5	2	8	4.6	10	2500	1	3	cp$_o$rc	c	c	c
Lerwick ...	1012.4	-12	-	0	bc	50	95	7	5	6	-	4.6	4.6	1500	0	•	c	cbc	bcc	c
Blacksod Point	1009.2	-12	S	8	u	56	95	7	9	-	-	10	10	<150	1	7	brcq	irq	prcq	rrq
Malin Head ...	1012.2	-4	SSE	6	c	55	85	8	5	-	-	7.8	7.8	2500	0	3	cbccu	cg	c	c
Aldergrove ...	1015.9	-16	SSE	5	c	53	75	7	5	7	-	7.8	10	2500	1	•	cid$_o$c	c	c	circ
Donaghadee ...	1017.2	-10	SSW	3	c	53	85	7	5	-	-	7.8	7.8	1500	0	1	cir$_o$c	c	cbc	id$_o$bcq
Birr Castle ...	1014.8	-10	S	4	c	55	85	7	3	7	-	4.6	7.8	1500	1	•	c	crc	~~[illegible]~~	~~c~~irc c oir
Valentia Obsy.	1012.9	-6	S'E	6	ir$_o$	56	95	6	6	-	-	10	10	800	1	3	crr	crrir$_o$	r$_o$r$_o$RR	RRir
Roches Point...	1016.3	-8	SW	6	c	55	95	8	3	-	-	9	9	1500	0	6	cbc	cp$_o$c	cp$_o$c	cp$_o$c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/so, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
so/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p. passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

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

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

<, less than (for cloud height).

⊕, Solar halo. Ф, 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.

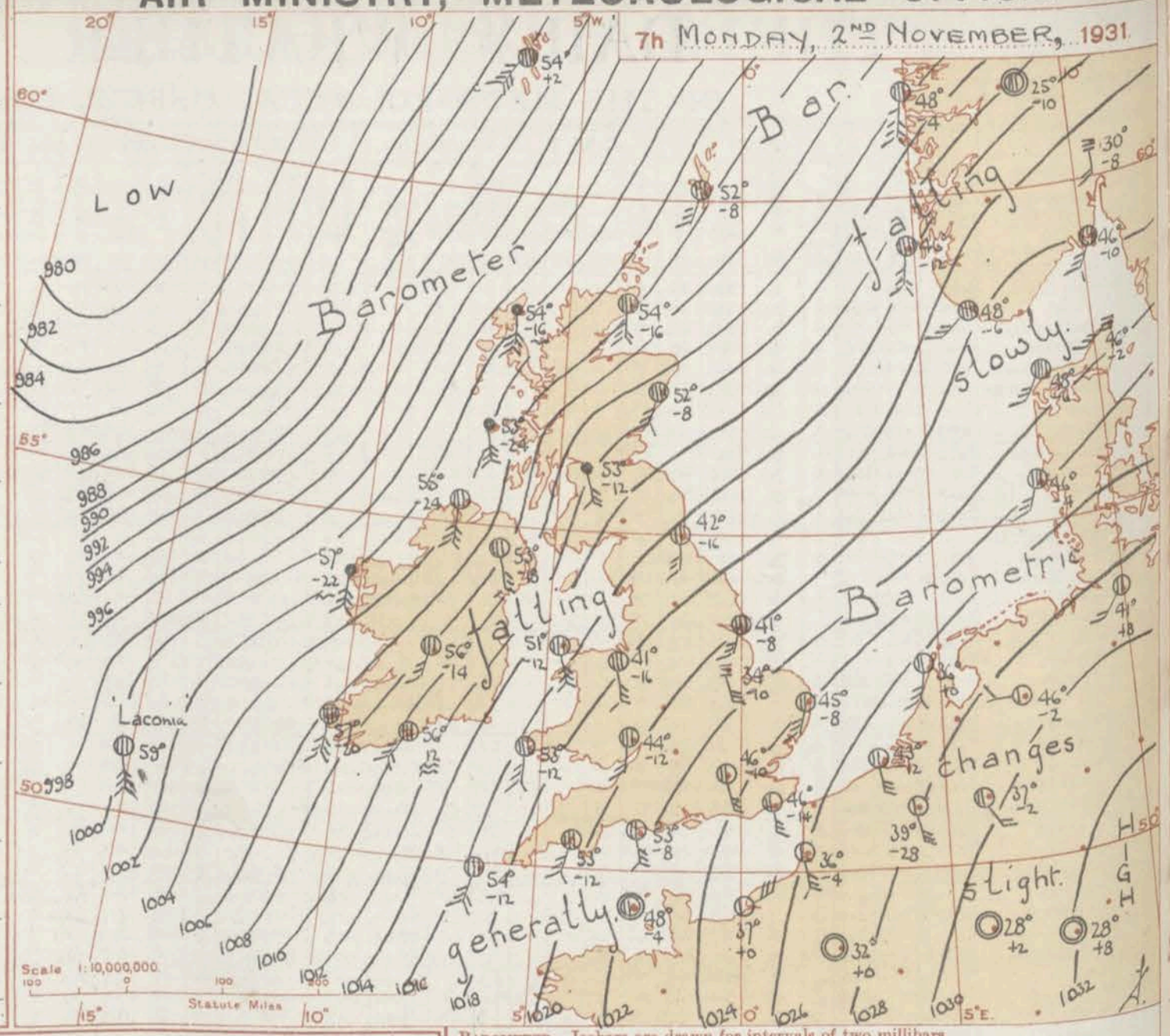
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 1st November 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	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.	b	b	35	55	–	–	9.0
	Bournemouth	b	b	38	56	–	–	8.8
	Ventnor ...	b	b	47	58	–	–	8.8
	Southsea ...	b	b	42	56	–	–	8.0
	Bognor Regis	b	b	42	54	–	–	8.9
	Littlehampton	bcb	b	38	53	–	–	9.2
	Worthing ...	b	b	41	54	–	–	8.9
	Brighton ...	b	bc	41	54	–	–	9.0
	Eastbourne†	b	b	41	53	–	–	8.9
	Hastings† ...	b	b	45	54	–	–	8.7
	Folkestone ...	wb	b	46	56	–	–	8.2
	Dover... ...	yb	b	44	53	–	–	8.4
	Deal	b	b	40	54	–	–	8.2
	Ramsgate ...	b	b	45	54	–	–	8.2
	Margate ...	b	b	43	56	–	–	?
2	Southend ...	b	b	39	59	–	–	6.8
	Maldon ...	cb	b	44	56	–	–	5.8
	Clacton-on-Sea	cbc	bc	35	55	–	–	6.0
	Dovercourt ...	c	cbc	35	55	–	–	5.0
	Lowestoft ...	prcbc	b	35	57	Trace	–	3.5
	Skegness ...	ocm	cm	38	53	Trace	–	3.1
	Mablethorpe	bc	bc	38	55	1	–	4.5
	Cleethorpes...	bc	bc	39	51	0.5	–	3.3
3	Leamington S.	c	c	43	57	–	–	3.7
4	Cheltenham†	ocbcb	b	46	55	Trace	–	6.3
5	Bath	bc	bcb	37	57	Trace	–	6.5
	Weymouth ...	b	b	46	56	–	–	8.5
	Jersey ...	b	bc	45	55	–	–	9.5
	Torquay ...	cbc	b	48	55	–	–	6.1
	Penzance ...	cb	bcc	52	57	–	–	2.0
	St. Ives ...	c	c	50	57	–	–	2.8
	Bude	bcc	cbc	43	55	–	–	0.4
	Ilfracombe ...	bc	cbcb	45	56	–	–	3.4
6	Aberystwyth	c	c	47	54	–	–	0.5
7	Llandudno ...	c	c	45	57	–	–	1.6
	Colwyn Bay...	bcc	c	48	55	–	–	0.9
	Rhyl	c	c	46	56	–	–	0.0
8	Wallasey ...	f.c	bcbcc	40	56	Trace	–	1.4
	Southport‖ ...	oco	oco	42	54	0.2	–	0.8
	Blackpool ...	c	c	40	53	–	–	1.3
	Morecambe ...	rcbbc	c	37	53	5	–	2.2
9	Ilkley... ...	c	c	34	53	Trace	–	1.6
10	Berwick-on-T.	obc	co	38	56	Trace	–	3.5
11	Dunbar ...	crm	cbc	42	57	Trace	–	0.5
12	Douglas ...	cbc	co	49	54	0.3	–	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 6/10 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. 2nd Nov. 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Moderate southerly winds; fair; some increase of cloud later; very mild during day.
4. W. Midlands	Moderate or fresh southerly wind; cloudy, perhaps slight rain locally later; very mild.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Fresh or strong southerly wind; cloudy, rain at times; very mild.
9. N. Midlands 10. N.E. England	As 4.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man	As 5 - 8.
13. A. W Scotld. B. N.W. Scotland.	Fresh or strong southerly winds, a gale at times locally; dull, some rain, heavy in places; very mild.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	As 5 - 8.
17. N.W. Ireland	As 13.
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 5 - 8.

GENERAL INFERENCE.

An anticyclone over Central and Southeast Europe is retreating but still covers Southeastern England, while depressions moving northeast on the Atlantic are causing strong southerly winds and unsettled weather in the West and North.

FURTHER OUTLOOK.

Unsettled in the West and North; less settled in the Southeast, but considerable fair periods; mild generally

Time of Issue of Gale Warnings.

South cone at 1415 G.M.T. on 1st in Districts 13A, 13B, 15, 16, 17 and 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
Pe 305/2321. Wt. 75. D.6001. Ga.908. 37000. 10/31.

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

Monday, 2nd November, 1931.

No. 25,547.

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

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	1025.0	-13	SSE	4	b	45	75	7	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1024.6	-14	SE'S	3	b	50	85	8	-	-	-	0	0	-
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1026.0	-10	SSE	3	b	47	75	6	-	-	1	0	Tr	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1025.4	-8	SSW	4	bc	45	85	7	-	4	-	0	2-3	-
	Cranwell	240	1023.5	-16	S	4	bc	38	95	5	-	-	6	0	4.6	-
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1023.2	-6	S'E	4	bc	54	65	8	-	4	-	0	2-3	-
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1021.2	-6	S	5	q	53	75	8	5	-	-	4.6	4.6	4000
	Scilly (St. Mary's)	163	1019.6	-6	S'E	5	c	53	95	7	5	-	-	9	9	[illegible]
	Guernsey	175	1023.5	-8	SE	4	b	49	75	9	-	-	-	0	0	-
6	Pembroke	142	1019.2	-10	S	5	c	53	95	7	8	6	-	7.8	9+	1500
7	Holyhead	26	1018.1	-8	S'W	5	q	52	85	6	5	-	-	10	10	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1023.2	-4	SW'S	4	bc	42	95	7	5	-	1	2.3	4.6	2500
	Tynemouth	67	1019.1	-8	SSW	3	c	46	85	7	6	-	-	7.8	7.8	1500
11	Inchkeith	190	1015.2	-10	SW	4	c	53	85	8	5	4	-	2.3	7.8	4000
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1004.8	-16	S	7	c	55	85	7	9	-	-	9+	9+	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1009.3	-14	S	5	c	53	78	8	8	7	-	7.8	10	2800
16	Lerwick	54	1007.9	-20	S'W	4	c	51	85	7	5	1	-	4.6	9+	1500
17	Blacksod Point	18	1005.0	-26	S	8	RR	58	95	6	6	-	-	10	10	<150
18	Malin Head	52	1009.2	-20	SSE	6	c	55	95	8	5	-	-	9+	9+	1500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1003.7	-14	S	7	RR	55	95	6	8	-	-	10	10	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	1023.0	-10	E	1	cf	36	95	1	-	-	2	0	0	-	1	*
Croydon	1022.6	-10	SSE	3	bc	46	75	6	-	-	4	0	4.6	-	1	*
S. Farnborough	1022.4	-16	SSW	1	bc	38	95	6	-	-	2	0	4.6	-	0	*
Winchester	1022.0	-8	SSE	2	c	40	95	7	-	-	6	0	9	-	0	*
Boscombe Down	1022.0	-10	SSE	3	c	38	95	7	-	-	8	0	7.8	-	0	*
Calshot, (S'thmtn)	1022.6	-10	SE'S	3	bc	49	75	7	-	-	6	0	4.6	-	0	2
Dungeness	*	*	SSE	5	c	*	*	7	3	7	*	4.6	7.8	4000	*	1
Lympne	1024.1	-14	SSE	3	bc	46	85	6	-	-	1	0	2.3	-	0	*
Shoeburyness	1024.2	-6	SE	2	bc	43	95	8	-	-	2	0	4.6	-	1	*
Felixstowe	1024.5	-16	S'E	3	bc	47	85	7	-	-	6	0	4.6	-	0	1
Gorleston	1024.0	-8	SSW	3	bc	45	85	6	-	5	2	0	4.6	-	0	2
Cranwell	1021.6	-10	S'E	3	cf	34	95	3	-	-	2	0	7.8	-	1	*
Cardington	1020.8	-6	S'E	2	bc	39	95	6	-	3	4	0	4.6	-	*	*
Birmingham	1020.7	-10	S	2	bc	39	95	6	-	-	6	0	4.6	-	1	*
Upper Heyford	1022.0	-10	S	2	bc	39	95	6	-	4	6	0	4.6	-	0	*
Leafield	1021.4	-10	SSE	4	bc	36	95	6	-	-	6	0	4.6	-	1	*
Ross-on-Wye	1019.9	-12	S	2	c	44	85	7	-	-	6	0	7.8	-	1	*
Portland Bill	1020.9	-8	S'E	4	bc	53	65	8	5	4	8	2.3	4.6	1500	0	3
Plymouth	1019.8	-12	S'W	4	c	53	85	8	5	-	8	9+	9+	2500	0	2
Falmouth	1018.7	-12	S'W	6	q	54	85	8	8	1	-	4.6	7.8	4000	0	3
Scilly (St. Mary's)	1017.4	-12	S	5	c	54	95	7	5	-	-	7.8	7.8	4000	0	3
Guernsey	1022.4	-4	-	0	bc	48	85	8	-	1	1	0	2.3	-	0	2
Pembroke	1016.5	-12	SSW	4	c	58	95	7	8	6	-	7.8	9+	1500	0	3
Holyhead	1014.7	-12	S'E	6	q	51	85	7	5	4	8	4.6	9	1500	1	3
Chester (Sealand)	1017.9	-16	SE'S	4	c	41	95	6	5	-	1	4.6	7.8	4000	1	*
L'pool (Bidston)	1017.2	-10	SE'E	4	bc	41	85	7	5	-	-	4.6	4.6	2500	0	*
Harrogate	1018.7	-10	S'E	2	bc	38	95	5	-	-	6	0	2.3	-	1	*
Spurn Head	1020.0	-8	SSW	4	c	41	95	6	5	1	1	2.3	7.8	1500	0	3
Tynemouth	1016.0	-16	S	3	bc	42	85	6	2	6	-	4.6	4.6	2500	0	2
Inchkeith	1011.7	-6	SSW	5	c	52	85	7	5	1	-	4.6	9+	2500	0	3
Leuchars	1012.6	-14	SW	3	c	53	85	7	5	1	-	9	10	1500	1	*
Renfrew	1012.9	-18	SSE	4	ir	53	85	7	5	-	-	10	10	1500	1	*
Eskdalemuir	1014.7	-10	S'W	5	c	47	85	7	5	2	-	9	10	1500	1	*
Tiree	1013.3	-24	SSE	6	rr	53	95	6	6	2	-	7.8	10	1500	1	3
Stornoway	1001.0	-16	S	6	d.d.	54	95	6	6	1	-	9	10	1500	1	4
Dalwhinnie	1008.8	-12	S	6	rr	49	95	7	3	2	-	7.8	10	800	1	*
Aberdeen	1011.1	-8	SW	4	c	52	85	6	5	-	-	9	9	1500	1	2
Wick	1005.6	-16	S	5	c	54	85	8	5	2	-	7.8	10	2600	0	3
Lerwick	1006.3	-8	S'W	3	c	52	85	6	5	1	-	7.8	9+	1500	0	*
Blacksod Point	1002.2	-22	S	6	iR	57	85	7	9	-	-	10	10	<150	1	5
Malin Head	1003.9	-24	S	6	c/r	55	95	7	6	-	-	7.8	7.8	1500	0	3
Aldergrove	1003.5	-18	SE'S	4	c	53	75	7	5	7	-	7.8	10	800	1	*
Donaghadee	1010.5	-14	SSW	5	q	54	95	8	5	2	-	4.6	4.6	2500	1	3
Birr Castle	1008.5	-14	S	3	c	56	85	8	5	-	-	9+	9+	2500	1	*
Valentia Obsy.†	1006.6	-20	S	6	o/r	57	95	7	6	-	-	10	10	800	1	*
Roches Point	1010.3	-12	SW	5	c	56	95	7	3	-	-	9	9	1500	0	6

PAST 24 HOURS.

Stations	Max. Day 7h-18h G.M.T. °F. (31)	Min. Night 18h-7h G.M.T. °F. (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 1st Sec. Hrs. (36)
London (Kew)	54	33	25	-	-	7.8
Croydon	56	42	35	-	Tr.	8.8
S. Farnborough	56	35	21	-	-	8.4
Winchester	54	31	23	-	-	*
Boscombe Down	55	36	31	-	Tr.	*
Calshot, (S'thmtn)	54	43	32	-	-	2.0
Dungeness	53	47	*	-	-	*
Lympne	52	45	41	-	-	7.8
Shoeburyness	56	38	28	-	Tr.	6.6
Felixstowe	54	45	40	-	-	5.5
Gorleston	55	44	39	-	-	2.0
Cranwell	55	33	30	-	-	5.2
Cardington	*	*	*	*	*	*
Birmingham	54	39	33	-	-	3.5
Upper Heyford	55	36	25	-	Tr.	*
Leafield	54	36	28	-	-	5.6
Ross-on-Wye	56	38	30	-	-	4.8
Portland Bill	54	49	*	-	-	*
Plymouth	55	43	39	-	-	3.0
Falmouth	56	52	*	-	-	3.7
Scilly (St. Mary's)	56	52	*	-	-	1.4
Guernsey	54	47	39	-	-	3.1
Pembroke	54	52	*	-	-	0.0
Holyhead	55	51	48	-	-	0.6
Chester (Sealand)	56	41	38	-	-	1.7
L'pool (Bidston)	55	41	40	-	-	1.6
Harrogate	52	38	31	-	-	0.7
Spurn Head	55	40	*	-	-	3.1
Tynemouth	56	41	37	-	-	*
Inchkeith	54	50	48	Tr.	-	0.0
Leuchars	54	51	46	Tr.	-	0.0
Renfrew	55	51	49	0.1	2	0.0
Eskdalemuir	50	47	45	0.2	1	0.0
Tiree	54	52	50	1	3	7.5
Stornoway	55	52	*	-	1	0.1
Dalwhinnie	50	47	47	-	1	0.5
Aberdeen	56	50	47	-	-	0.6
Wick	52	51	*	0.1	-	*
Lerwick	54	50	*	-	-	0.6
Blacksod Point	58	55	*	1	15	*
Malin Head	56	54	*	-	Tr.	0.4
Aldergrove	54	52	49	Tr.	0.2	0.0
Donaghadee	55	53	*	0.1	0.2	*
Birr Castle	57	54	52	Tr.	1	0.3
Valentia Obsy.†	56	55	55	9	22	0.0
Roches Point	58	56	*	Tr.	0.2	*

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. % (To-day.)	Visibility (To-day.)
Kew	18	on b3y	b3o bm	bmcfs	54	33	25	-	-	7.8	*	*	3
Croydon	217	b3oy	b y3o	b3oW	56	42	35	-	Tr.	8.8	*	*	6
Greenwich (Royal Observatory)	149	by	by	bxmbc	57	37	24	-	Tr.	7.8	55	70	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	6.5	*	*	*
Westminster (St. James' Park)	27	*	*	*	55	38	32	-	-	7.0	63	73	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	6.6	*	*	*
Camden Square	110	b	b	*	56	37	30	-	-	*	At 18h. 94	*	*
Kensington	80	bc	b	*	56	39	*	-	-	7.2	67	77	*
Hampstead Observatory	450	cbc	bcm	bcm	55	41	32	Tr.	-	6.7	*	75	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.	Kew Observatory Max.	Time.	Min.	Time.
1.3	13-20h 1st	<0.3	2h 2nd	0.8	22h 1st	0.1	11h 1st

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 1st November Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 2nd November Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day. mm.	Rainfall Night. mm.
Paris	1028.7	ESE	3	b	48	1027.0	-	0	b	32	55	32	-	-
Brussels	1029.8	ESE	2	b	45	1027.6	SSE	3	b	39	54	37	-	-
Berlin	1030.1	S	1	dr	39	1029.5	WSW	1	df	43	39	39	0.1	4
Zurich						1032.0	N	1	b	30		30		-
Rome						1032.2	NE	3	bc	48		48		-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

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

ION
.1931.

RS.

LL. Night h-7h m. (35)	SUNSHINE 1st Hrs. (36)
–	7.8
Tr.	8.8
–	8.4
–	8.1
Tr.	*
–	9.0
–	*
–	7.9
Tr.	6.6
–	5.5
–	2.0
–	5.2
*	*
–	3.5
Tr.	5.6
–	*
–	4.8
–	*
–	3.0
–	3.7
–	1.4
–	9.1
–	0.0
–	0.5
–	1.7
–	1.6
–	0.7
–	3.1
–	*
–	0.0
–	0.0
2	0.0
1	0.0
3	1.5
1	0.1
1	0.5
–	0.5
–	*
–	0.5
15	*
Tr.	0.4
0.2	0.0
0.2	*
1	0.3
22	0.0
0.2	*

, etc.

...Code for ...ility. ... visible at ...5 yards. 220 " 550 " 100 " 1¼ miles. 2½ " 6¼ " 2½ " 31 " ...ond 31m.

Code for ...es. ...ry rough. ...gh. ...ry high. ...ecipitous. ...nfused.

...or.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 3rd November 1931.

No. 26548

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

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	-20	S'W	3	bc	55	65	7	-	-	2	0	4-6	-
	Croydon ...	1020.2	-12	SSW	4	bc	58	55	7	-	-	2	0	4-6	-
	S. Farnborough	1019.9	-14	S	4	bc	58	55	7	-	-	2	0	4-6	-
	Winchester ...	1019.6	-14	SSW	4	bc	55	75	7	1	-	6	Tr	4-6	2500
	Boscombe Down	1019.6	-14	S	4	bc	56	75	8	1	-	2	1	4-6	1500
	Calshot, S'thmtn	1021.1	-14	SSW	4	bc	55	75	8	5	-	1	4-6	4-6	1500
	Dungeness ...	*	*	SSE	3	bc	*	*	7	-	7	*	0	4-6	-
	Lympne ...	1021.8	-12	S	4	bc	54	75	7	-	-	1	0	2-3	-
2	Shoeburyness	1021.0	-10	S'W	4	bc	56	75	7	-	-	2	0	4-6	-
	Felixstowe ...	1021.5	-18	S'E	3	c	53	75	8	-	-	2	0	7-8	-
	Gorleston ...	1020.5	-20	S'W	5	bc	53	85	6	-	-	4	0	4-6	-
	Cranwell ...	1017.5	-22	S	4	bc	55	55	7	-	3	2	0	4-6	-
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1017.6	-14	SSW	4	c	50	75	6	6	3	-	4-6	7-8	2500
	Upper Heyford	1018.5	-20	S	3	c	57	65	6	-	-	6	0	7-8	-
	Leafield ...	1018.2	-14	S'W	5	c	55	65	8	1	-	6	Tr	7-8	4000
4	Ross-on-Wye ...	1017.4	-16	SSW	5	q	55	65	8	1	-	2	Tr	7-8	4000
5	Portland Bill...	1019.7	-4	SSW	4	c	54	75	8	8	6	-	4-6	7-8	2500
	Plymouth ...	1018.5	-10	SSW	6	c	55	95	7	5	-	8	9	9+	1500
	Falmouth ...	1016.2	-6	S'W	6	q	56	95	8	8	-	-	7-8	7-8	4000
	Scilly (St. Mary's)	1014.7	-20	S	6	c	56	95	7	5	7	-	4-6	9+	4000
	Guernsey ...	1020.8	-6	SSE	4	bc	56	75	7	-	1	8	0	4-6	-
6	Pembroke ...	1013.6	0	S	4	bc	57	95	6	4	6	-	2-3	4-6	1500
7	Holyhead ...	1011.9	-18	S'W	6	q	55	85	7	6	7	8	4-6	9+	1500
	Chester (Sealand)	1014.8	-22	SSE	4	c	53	75	6	5	1	1	4-6	9	4000
8	L'pool (Bidston)	1014.2	-16	SSE	4	c	50	75	7	5	2	-	4-6	10	2500
9	Harrogate ...	1015.2	-14	SW	3	e	49	75	5	5	-	4	1	9	2500
10	Spurn Head ...	1017.1	-6	SW'S	4	c	51	75	6	8	3	8	4-6	7-8	4000
	Tynemouth ...	1012.5	-20	SSW	3	c	49	65	6	6	-	-	9	9	1500
11	Inchkeith ...	1009.0	-20	SSW	4	c	53	85	8	5	8	-	4-6	7-8	4000
	Leuchars ...	1008.5	-22	S	6	q	53	75	7	5	3	1	7-8	9+	1500
12	Renfrew ...	1007.7	-30	SSW	4	rr	53	95	6	6	-	-	10	10	800
	Eskdalemuir ...	1010.3	-30	SSW	6	o	48	85	8	5	-	-	10	10	1500
13A	Tiree ...	1000.2	-22	S'E	7	iro	55	95	6	5	1	-	7-8	10	1500
13B	Stornoway ...	997.0	-12	S	7	pr	55	95	7	5	2	-	7-8	10	2500
15	Dalwhinnie ...	1005.9	-20	S	5	iro	50	95	7	8	2	-	7-8	10	800
	Aberdeen ...	1006.8	-20	S	2	c	53	75	6	5	-	-	9+	9+	1500
	Wick ...	1001.3	-26	S	6	c	54	75	8	5	9	3	4-6	9	2500
16	Lerwick ...	1001.9	-20	S	4	c	51	95	6	5	-	-	9+	9+	1500
17	Blacksod Point	1000.9	-8	S	4	iD	57	85	7	6	-	-	9+	9+	<150
18	Malin Head ...	1001.2	-20	S	6	dr	57	95	6	6	1	-	4-6	10	1500
	Aldergrove ...	1005.9	-20	SSE	5	roro	55	95	6	6	-	-	10	10	800
	Donaghadee ...	1007.2	-20	SW	6	q	55	95	7	3	2	-	4-6	7-8	2500
19	Birr Castle ...	1006.1	-16	S	3	c	58	85	7	6	2	-	9	10	1500
20	Valentia Obsy.	1005.1	-14	S'E	5	c	58	95	8	5	-	-	9+	9+	800
	Roches Point...	1008.2	-18	SW	5	o	56	95	7	5	-	-	10	10	800

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

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)	1019.6	0	SSW	2	b	49	85	6	-	2	8	0	1	-	1	*
Croydon	1019.6	-2	S'E	4	b	49	85	6	-	-	1	0	1	-	0	*
S. Farnborough	1019.4	+2	S	1	bc	47	95	6	-	2	8	0	2-3	-	0	*
Winchester	1019.2	-2	S	3	bc	49	95	6	5	-	1	4-6	4-6	1500	0	*
Boscombe Down	1019.1	-2	SSW	4	c	50	95	7	5	-	-	9+	9+	1500	0	*
Calshot, S'thmtn	1020.4	-4	SE'S	2	c	52	85	7	5	-	1	4-6	7-8	1500	0	2
Dungeness	*	*	SSE	2	bc	*	*	7	-	4	*	0	4-6	-	*	2
Lympne	1021.2	+4	SSW	3	b	49	95	6	-	-	-	0	0	-	0	*
Shoeburyness	1020.0	0	S'W	4	b	49	95	7	-	-	-	0	0	-	0	*
Felixstowe	1020.2	-6	S'W	4	b	51	85	7	-	-	1	0	1	-	0	2
Gorleston	1018.9	-4	SW'S	4	b	49	85	7	-	-	-	0	0	-	0	3
Cranwell	1015.8	-8	S	4	bc	47	85	6	-	7	8	0	4-6	-	0	*
Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birmingham	1015.5	-8	S	4	c	50	85	8	-	7	-	0	9+	-	1	*
Upper Heyford	1018.0	0	SSW	3	c	48	95	7	5	7	-	2-3	9	5700	0	*
Leafield	1017.5	-8	S	4	c	47	95	8	5	-	-	9+	9+	5700	1	*
Ross-on-Wye	1015.9	-8	S	4	c	53	85	6	5	1	8	4-6	10	4000	0	*
Portland Bill	1018.2	0	S	5	c	55	85	8	4	4	8	4-6	7-8	2500	0	3
Plymouth	1016.3	-10	S	5	c	56	95	7	5	-	8	7-8	10	800	0	3
Falmouth	1014.5	-8	S'W	7	q	56	95	7	8	-	-	10	10	4000	0	4
Scilly (St. Mary's)	1012.7	-10	S	6	c/c	56	95	6	9	-	-	9+	9+	2500	0	4
Guernsey	1020.1	-2	SSE	4	c	55	85	7	5	-	-	7-8	7-8	2500	0	3
Pembroke	1010.6	-16	S*	5	ir	56	95	6	3	6	-	7-8	10	800	1	3
Holyhead	1009.2	-16	S'W	6	dodo	55	95	5	6	-	-	10	10	450	1	3
Chester (Sealand)	1012.0	-18	SSE	3	c	52	85	6	5	2	1	4-6	7-8	2500	1	*
L'pool (Bidston)	1010.6	-14	SSE	5	c	52	85	8	5	2	-	4-6	9	2500	0	*
Harrogate	1012.8	-10	SE	1	c	47	85	5	5	2	-	1	9	2500	1	*
Spurn Head	1014.8	-4	S	3	bc	49	85	6	5	1	-	2-3	4-6	2500	0	2
Tynemouth	1009.9	-12	S	3	o	50	75	6	6	-	-	10	10	1500	0	2
Inchkeith	1006.2	-14	S	4	c	54	85	8	5	2	-	4-6	9+	4000	0	3
Leuchars	1005.9	-16	SSW	5	q	55	75	7	6	7	-	4-6	7-8	1500	1	*
Renfrew	1004.6	-14	S	4	c	55	85	6	5	2	-	9+	10	800	1	*
Eskdalemuir	1007.5	-22	S'W	5	ido	49	95	6	6	2	-	9+	10	450	1	*
Tiree	998.4	-12	SSE	5	RR	55	95	6	6	7	-	7-8	9+	1500	1	4
Stornoway	995.7	-6	SSW	6	pr	55	95	7	6	-	-	7-8	7-8	1500	1	4
Dalwhinnie	1003.5	-6	S	1	r	50	95	7	6	-	-	7-8	7-8	450	1	*
Aberdeen	1004.2	-12	S	3	c	53	85	6	5	7	-	4-6	9+	1500	1	1
Wick	999.4	-18	S	5	c	53	85	8	8	9	2	4-6	7-8	1500	0	3
Lerwick	999.0	-12	S	4	c	51	95	6	5	-	-	9+	9+	1500	0	*
Blacksod Point	997.2	-30	S	7	iD	58	95	7	6	-	-	10	10	<150	1	5
Malin Head	998.9	-10	SSE	4	c/do	58	95	7	6	-	-	9	9	1500	0	3
Aldergrove	1003.2	-18	SSE	4	o	56	95	7	5	-	-	10	10	800	1	*
Donaghadee	1004.2	-12	WSW	3	c	55	95	7	5	-	-	9+	9+	1500	1	2
Birr Castle	1003.0	-14	S	4	c	59	85	7	5	1	-	9+	10	1500	1	*
Valentia Obsy.	1001.2	-22	S'E	6	ir	57	95	6	6	-	-	10	10	800	1	4
Roches Point	1005.2	-8	SW	5	id	56	95	6	5	-	-	10	10	800	1	5

PAST 24 HOURS. WEATHER.

Stations	7h.–13h. 2nd (37)	13h.–18h. 2nd (38)	18h 2nd to 1h. 3rd (39)	1h.–7h. 3rd (40)
London (Kew)	cfxbc	bcb	bbw	cobdu
Croydon	bczoy	bczoy	bbcmow	bcwcro
S. Farnborough	bcxbc	bcy, mo	bm,wc	ciro
Winchester	cmobc	bcmo	bcc	cro
Boscombe Down	bc	bcc	c	crqmo
Calshot, S'thmtn	bc	bc	bcw	bc, cq
Dungeness	bc	bc	*	o
Lympne	bc	bcb	bccmow	bwcro
Shoeburyness	bc	bcb	b	c
Felixstowe	bc	bc	b	b
Gorleston	bcq	bcq	bbcq	bcq
Cranwell	cfbc	bcyc	cmo	cmo
Cardington	*	*	c	cro
Birmingham	bc	c	c	coiro
Upper Heyford	bccbc	bcc	c	coirro
Leafield	bc	bcc	ciro	criro
Ross-on-Wye	cbc⊕	bcc	coq	oqiro
Portland Bill	bcc	c	c	cir
Plymouth	cq	c	cro	prrmo
Falmouth	cq	cq	cirqo	crrmq
Scilly (St. Mary's)	c	ciro	oir	iro
Guernsey	bc	bcc	cbc	bcwc
Pembroke	bcq	roq	mrqo	oqr
Holyhead	cq	roroq	dodoiroq	ddqmo
Chester (Sealand)	cmoz-	czo	cmo	irdo
L'pool (Bidston)	bcc	cq	cbcc	ciro
Harrogate	bcc	c	cqiro	cqiro
Spurn Head	c	cbc	bc	bc
Tynemouth	bcc	co	obc	bcoq
Inchkeith	c	c	c	ciro
Leuchars	cq	cqiroc	cqiro	cqpr
Renfrew	croc	ororqc	cdodoor	orrq
Eskdalemuir	co	crrcdo	cid	cdorr
Tiree	ciro	cir	ciR	ORR
Stornoway	cpro	c PR	iRorr	rrcpr
Dalwhinnie	gr	r	*	r
Aberdeen	czo	c	cz	coiro
Wick	c	c	c	crrc
Lerwick	cpro	c	bciro	bc, orrm
Blacksod Point	dd	idq	prcq	irq
Malin Head	czo	cidoc	oiroeqPR	bccro
Aldergrove	crorr	oroc	orr	orr
Donaghadee	bccq	cidoc	ciro	ororoq
Birr Castle	circ	c	cr, ccorr	~~crc~~ corr
Valentia Obsy.	cirroc	crrroir	iriRc	CRRr
Roches Point	crro	oid	idoir	orr

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, " less than 220 yds.
f_s, fog over sea (coast station).
f_g, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s_o, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s_o/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t. thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

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

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

< · less than (for cloud height).

⊕, Solar halo. Ⓘ, lunar halo.

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.

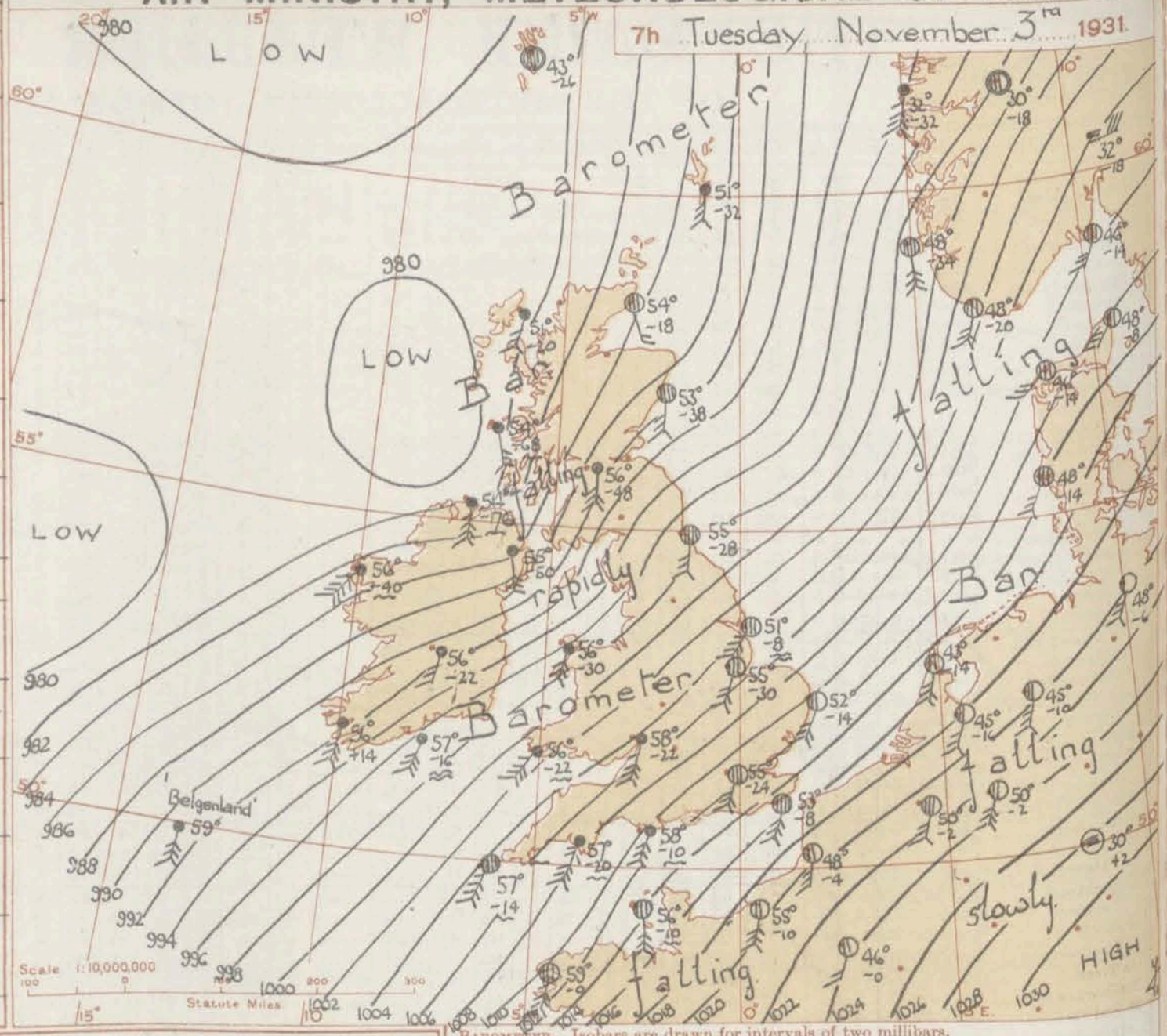
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for ..... 2nd. November ... 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 1st. to 9h. 2nd.	Temperature. Max. 9h.—17h. 2nd.	Rainfall. Night. 17h. 1st. to 9h. 2nd.	Rainfall. Day. 9h.—17h. 2nd.	Sunshine. Sunrise to Sunset. 2nd.
1	Tunbridge W.	b	b	37	57	–	–	8.8
	Bournemouth	b	bco	47	58	–	–	5.4
	Ventnor ...	bz	bbc	48	57	–	–	7.4
	Southsea ...	b	b	48	59	–	–	8.4
	Bognor Regis	b	b	49	56	–	–	8.6
	Littlehampton	bc	bc	48	55	Trace	–	8.7
	Worthing ...	b	b	50	58	–	–	8.6
	Brighton ...	b	bc	50	56	–	–	8.6
	Eastbourne†	bcb	b	50	57	–	–	8.6
	Hastings† ...	b	b	49	56	–	–	8.2
	Folkestone ...	wb	b	44	58	–	–	8.4
	Dover... ...	bcb	b	49	55	–	–	8.6
	Deal	bc	bc	46	56	–	–	8.2
	Ramsgate ...	b	b	48	55	–	–	8.5
	Margate ..	bcb	bbc	46	57	–	–	8.1
2	Southend ...	b	b	44	59	Trace	–	8.5
	Maldon ...	xb	b	33	59	–	–	8.1
	Clacton-on-Sea	bc	bc	47	54	–	–	8.5
	Dovercourt ...	bc	bc	45	55	–	–	8.2
	Lowestoft ...	b	b	43	53	–	–	8.0
	Skegness ...	obc	bccm	42	54	–	–	5.4
	Mablethorpe	wbc	bcm	38	54	–	–	4.0
	Cleethorpes ...	bc	bc	38	54	Trace	–	3.3
3	Leamington S.	c	c	35	56	–	–	3.7
4	Cheltenham†	bqbcc	cbcc	38	56	–	–	4.3
5	Bath	bcb	bcc	35	57	–	–	3.5
	Weymouth ...	b	cb	49	58	–	–	3.7
	Jersey ...	bc	bcc	46	56	–	–	8.5
	Torquay ...	cm	cbbccm	37	58	–	–	2.8
	Penzance ...	bbc	c	53	58	–	–	3.2
	St. Ives ...	c	o	51	57	–	–	0.4
	Bude	wcbc	bcc	36	59	–	–	5.0
	Ilfracombe ...	bc	bcc	47	59	–	–	2.4
6	Aberystwyth	c	cr	46	57	–	0.3	0.9
7	Llandudno ...	c	bcce	50	59	–	–	1.7
	Colwyn Bay...	cbc	bcco	50	58	–	–	1.0
	Rhyl	c	c	45	58	–	–	0.1
8	Wallasey ...	cbc	bcc	–	54	–	–	0.0
	Southport‖ ...	o	oco	41	52	–	–	0.0
	Blackpool ...	o	o	41	51	–	–	0.0
	Morecambe ..	c	c	43	52	–	–	0.0
9	Ilkley... ...	c	co	38	52	–	–	0.1
10	Berwick-on-T.	co	o	49	53	–	–	0.3
11	Dunbar ...	bc	cbc	51	54	–	–	0.1
12	Douglas ...	cbqc	oqirm	50	54	0.5	1	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 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. 3rd Nov. 1931.

Districts.	Forecasts
1. S.E. England	Fresh or strong south to southwest wind, a gale locally on coast; cloudy, occasional drizzle; very mild.
2. E. England...	
3. E. Midlands	Fresh or strong south to southwest wind; cloudy, occasional drizzle; very mild.
4. W. Midlands	
5. S.W. England	Wind south to southwest, strong to gale; cloudy or dull, rain at times; very mild.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	
13. A. W. Scotld.	
13. 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	

GENERAL INFERENCE.

An intense depression off the Hebrides is moving rapidly northeast followed by another centre. Wind will be southwest, reaching gale force at exposed places, and weather will be unsettled especially in the West and North.

FURTHER OUTLOOK.

Stormy and unsettled especially in the West and North.

Times of issue of Gale Warnings.

South cone at 1415 on 1st in Districts 13A, 13B, 15,16,17 and 20.
South cone at 1355 on 2nd in Districts 5,6,7, 8,11,12,18 and 19.
~~South cone at 0550 on 3rd in Districts 1,2,10~~

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

Forecasts issued at 1000 G.M.T.

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 3rd November 1931.

No. 25548

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

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	1015.9	-22	S	5	c	51	95	7	-	-		0	7-8	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1016.5	-16	S'W	5	bc	53	85	7	-	5	-	0	4-6	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1017.3	-20	SSW	4	c	50	95	6	-	7	6	0	7-8	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1016.0	-8	SW	4	bc	48	95	7	-	-	9	0	4-6	-
	Cranwell ...	240	1011.4	-26	S	4	c	50	95	6	-	7	6	0	10	-
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1014.6	-10	S	5	c	56	85	7	4	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1009.9	-24	SSW	8	ir.	56	95	6	5	-	-	10	10	4000
	Scilly (St. Mary's)	163	1009.0	-20	SW'S	6	ir.	57	95	6	8	-	-	10	10	4000 Aspd
	Guernsey ...	175	1017.2	-14	SSE	6	bc	54	85	7	8	-	-	4-6	4-6	2500
6	Pembroke ...	142	1005.7	-14	S	6	iR	56	95	5	3	-	-	9	(9)	800
7	Holyhead ...	26	1003.4	-28	SSW	7	o/r	56	95	6	5	-	-	10	10	800
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1010.0	-10	SW'S	6	c	48	95	7	5	3	-	2-3	7-8	2500
	Tynemouth ...	67	1003.0	-28	S	4	bc	52	85	6	2	-	-	4-6	4-6	2500
11	Inchkeith ...	190	998.4	-30	S	4	c	57	85	8	5	-	-	9+	9+	2500
	Leuchars ...	35	*		*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	998.0	-30	WSW	2	rr	51	95	6	6	-	-	10	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	992.5	-38	S	5	c	53	95	8	5	3	8	4-6	9+	2500
16	Lerwick ...	54	995.3	-24	S	3	bc	51	95	7	5	-	-	4-6	4-6	1500
17	Blacksod Point	18	992.6	-22	S	4	c	55	85	7	9	-	-	9+	9+	220
18	Malin Head ...	52	990.9	-26	S'E	6	bc/pr	54	95	7	9	8	-	2-3	2-3	2500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	995.6	-26	S	7	iR	55	95	6	3	-	-	10	10	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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) ...	1011.9	-14	SSW	4	d	55	85	7	6	-	-	10	10	1500	1	*
Croydon ...	1012.5	-24	SW	6	clr	55	85	7	5	7	-	4-6	9	2500	1	*
S. Farnborough	1011.5	-16	SW	5	ir.	54	95	7	5	1	-	9	10	800	0	*
Winchester ...	1010.9	-22	SSW	6	o/r	56	85	8	5	-	-	10	10	1500	1	*
Boscombe Down	1010.1	-22	S'W	6	ir.	56	95	6	6	-	-	10	10	800	1	*
Calshot, (S'thmtn)	1013.0	-18	S'W	7	q	56	75	7	5	7	-	7-8	10	1500	0	3
Dungeness ...	*	*	SSW	6	q	*	*	7	8	8	*	4-6	7-8	2500	*	3
Lympne ...	1015.1	-8	SSW	6	o/r	53	85	6	5	-	-	10	10	1500	1	*
Shoeburyness	1013.5	-20	SSW	6	c	53	85	7	5	2	-	7-8	7-8	4000	0	*
Felixstowe ...	1013.4	-12	S	5	bc	52	85	8	5	-	-	2-3	2-3	5700	0	3
Gorleston ...	1011.6	-14	SW'S	5	bc	52	86	7	-	4	-	0	4-6	-	0	3
Cranwell ...	1005.8	-30	S'W	5	c	55	85	6	5	-	6	9+	10	800	0	*
Cardington ...	1009.0	-24	SSW	6	o	56	85	7	6	-	-	10	10	800	*	*
Birmingham ...	1006.0	-20	SSW	5	ir.	56	95	8	6	-	-	10	10	450	1	*
Upper Heyford	1008.5	-20	S	5	r.r.	55	95	6	6	-	-	10	10	450	1	*
Leafield ...	1007.7	-20	S'W	6	r.r.	54	95	6	6	-	-	10	10	450	1	*
Ross-on-Wye ...	1006.2	-28	S'W	7	ir.	58	85	7	6	-	-	10	10	2500	1	*
Portland Bill...	1010.8	-10	S'W	6	ir.	58	76	8	6	2	-	7-8	10	2500	1	4
Plymouth ...	1008.4	-20	SSW	9	rr	57	95	6	6	-	-	10	10	450	1	5
Falmouth ...	1005.3	-10	SW'S	8	rr	58	95	6	5	2	-	4-6	10	4000	1	5
Scilly (St. Mary's)	1006.1	-14	SW'S	7	o/r	57	95	6	6	-	-	10	10	2500	1	4
Guernsey ...	1014.6	-10	SSE	6	c	56	85	7	5	1	8	2-3	7-8	2500	0	4
Pembroke ...	1001.5	-22	SW	7	rr	56	85	5	3	-	-	7-8	7-8	800	1	4
Holyhead ...	997.3	-30	SSW	6	iD	56	95	5	6	-	-	10	10	450	1	3
Chester (Sealand)	1000.4	-26	SSE	3	do.do.	58	95	8	6	-	-	10	10	800	1	*
L'pool (Bidston)	999.6	-24	SSW	4	clr	56	95	8	9	-	-	9	9	2500	1	*
Harrogate ...	1001.2	-30	S	4	c	56	85	7	6	2	-	9	10	2500	1	*
Spurn Head ...	1004.3	-8	SW'S	7	c	61	95	7	4	2	-	4-6	7-8	2500	0	6
Tynemouth ...	997.3	-28	S	4	o	55	85	7	6	-	-	10	10	1500	0	2
Inchkeith ...	991.4	-28	SW	4	c	57	85	8	5	2	-	4-6	9+	2500	0	3
Leuchars ...	991.0	-34	SSW	5	pr	57	85	8	6	7	-	4-6	9	1500	1	*
Renfrew ...	988.8	-48	S	5	rr	56	95	6	6	-	-	10	10	800	1	*
Eskdalemuir ...	993.4	-30	SSW	7	rr	54	95	6	6	-	-	10	10	1500	1	*
Tiree	980.1	-68	SSE	6	RR	54	95	6	6	2	-	7-8	10	1500	1	4
Stornoway ...	981.8	-20	SSW	4	pr	51	95	7	3	7	-	7-8	10	1500	2	3
Dalwhinnie ...	967.6	-36	SE	1	r	51	85	5	6	-	-	7-8	7-8	450	1	*
Aberdeen ...	988.9	-38	S	4	o	53	95	6	6	-	-	10	10	1500	1	3
Wick	985.6	-18	SE	2	c	54	85	8	5	1	8	4-6	7-8	2500	1	3
Lerwick ...	986.1	-32	S	4	rr	51	95	6	6	-	-	10	10	800	2	*
Blacksod Point	984.4	-40	SW	8	iR	56	85	7	6	-	-	10	10	450	1	5
Malin Head ...	980.9	-76	S	7	r.r.	54	95	6	6	2	-	4-6	10	1500	1	4
Aldergrove ...	987.7	-50	SSE	6	rr	55	95	7	6	-	-	10	10	800	1	*
Donaghadee ...	989.1	*	SW	6	r.r.	56	95	7	6	-	-	10	10	800	1	2
Birr Castle ...	990.2	-22	S	3	rr	56	95	6	6	-	-	10	10	1500	1	*
Valentia Obsy.†	991.8	+14	SSW	6	rr	56	95	7	6	-	-	10	10	800	1	*
Roches Point...	996.6	-16	SW	6	rr	57	95	6	6	-	-	10	10	800	1	6

PAST 24 HOURS.

Stations.	Temperature. Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Night 18h-7h mm. (35)	Sunshine 2nd Hrs. (36)
London (Kew) ...	57	47	40	-	Tr.	7.1
Croydon ...	58	48	45	-	Tr.	8.6
S. Farnborough	59	47	34	-	0.2	7.6
Winchester ...	56	48	46	-	0.2	7.1
Boscombe Down	56	49	46	-	1	*
Calshot, (S'thmtn)	56	50	47	-	-	8.1
Dungeness ...	56	51	*	-	-	*
Lympne ...	55	48	45	-	Tr.	8.4
Shoeburyness	57	45	41	-	-	8.4
Felixstowe ...	53	44	35	-	-	8.5
Gorleston ...	54	47	43	-	-	8.2
Cranwell ...	56	46	42	-		4.1
Cardington ...	*	*	*	*	*	*
Birmingham ...	53	49	46	-	0.2	1.5
Upper Heyford	57	48	44	-	0.2	*
Leafield ...	56	46	43	0.1	1	6.2
Ross-on-Wye ...	56	53	51	-	1	3.5
Portland Bill...	56	55	*	-	Tr.	*
Plymouth ...	56	55	54	-	1	0.3
Falmouth ...	56	56	*	-	1	3.7
Scilly (St. Mary's)	58	55	*	Tr	3	1.7
Guernsey ...	56	53	50	-	-	8.6
Pembroke ...	57	54	*	3	9	0.5
Holyhead ...	55	55	53	2	3	0.0
Chester (Sealand)	53	52	50	-	0.1	1.5
L'pool (Bidston)	52	51	50	-	0.1	0.0
Harrogate ...	50	47	42	-	Tr.	0.0
Spurn Head ...	62	48	*	-	-	2.1
Tynemouth ...	50	50	42	-	-	*
Inchkeith ...	55	53	51	-	Tr.	1.9
Leuchars ...	55	53	50	Tr	1	1.2
Renfrew ...	55	55	53	3	10	0.0
Eskdalemuir ...	49	48	42	12	9	0.0
Tiree	55	(53)	50	2	14	0.0
Stornoway ...	55	51	*	2	12	0.0
Dalwhinnie ...	51	49	48	4	14	0.0
Aberdeen ...	53	52	50	-	0.3	0.0
Wick	55	51	*	-	1	*
Lerwick ...	52	50	*	1	3	0.0
Blacksod Point	58	53	*	5	16	*
Malin Head ...	59	53	*	1	9	0.6
Aldergrove ...	56	55	52	1	4	0.0
Donaghadee ...	56	55	*	0.1	2	*
Birr Castle ...	59	55	53	3	10	0.0
Valentia Obsy.†	58	55	53	9	25	0.0
Roches Point...	57	55	*	9	9	*

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.)	Afternoon.	Night.	Temperature. Day Max. °F.	Night Min. °F.	Min. on Grass °F.	Rainfall. Day. mm.	Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	c5xbc	bcb	bbwd	57	47	40	-	Tr.	7.1	*	*	8
Croydon	217	bc3.y	bc3.y	bbc r.	58	48	45	-	Tr.	8.6	*	*	6
Greenwich (Royal Observatory) ...	149	bcy	bcy b	bwcdc	59	48	37	-	Tr.	8.3	59	63	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	6.5	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	58	51	42	0.4	*	6.9	54	61	*
Regents Pk. (Botanic Gardens) ...	168	*	*	*	*	*	*	*	*	6.4	*	*	*
Camden Square	110	b	b	*	59	50	41	-	-	*	*	*	*
Kensington	80	bcb3	bc3	*	59	50	40	-	-	7.0	At 18h. 86	69 68	*
Hampstead Observatory	450	bc	bc	bcm	57	46	41	Tr.	0.3	7.1	*	69	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
1.7	9h 2nd	N/A	3-5h 3rd.

Kew Observatory. Max.	Time.	Min.	Time.
0.3	20h 2nd	10.1	3-6h 3rd

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 2nd November. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 3rd November. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
Paris	1024.5	-	0	b	48	1023.8	S	2	3	46	59	45	-	-
Brussels	1023.8	S	4	b	48	1021.0	SSW	4	c	50	59	45	-	-
Berlin	1029.5	SSW	2	o	46	1025.2	S'W	3	3	39	48	37	0.3	0.1
Zurich	1031.0	SW	1	3	43	1032.3	ESE	1	F	36	54	34	-	Tr.
Rome						1033.3	ENE	2	b	54		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.

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 4th November 1931.

No. 25549.

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

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)...	1008.5	-32	SSW	6	c	59	65	7	5	-	-	10	10	2500
	Croydon ...	1009.3	-26	SSW	6	c	59	65	7	5	-	-	10	10	2500
	S. Farnborough	1008.2	-26	SSW	6	c	59	75	7	6	-	-	10	10	1500
	Winchester ...	1007.4	-28	SSW	7	c	58	75	7	5	-	-	10	10	1500
	Boscombe Down	1007.3	-22	S'W	6	c/r	56	95	7	5	-	-	10	10	800
	Calshot, S'thmtn	1010.3	-18	S'W	7	q	57	75	7	5	7	-	4-6	10	2500
	Dungeness ...	*	*	S	7	q	*	*	7	5	6	*	4-6	7-8	1500
	Lympne ...	1012.0	-26	SSW	6	q	58	65	7	-	-	7	0	9+	-
2	Shoeburyness	1010.2	-30	SSW	6	c	60	75	8	5	1	-	4-6	9+	4000
	Felixstowe ...	1009.6	-26	S	6	c	56	75	7	-	1	6	0	9	-
	Gorleston ...	1007.4	-24	SW'S	7	c	57	85	6	-	1	8	0	7-8	-
	Cranwell ...	1001.2	-30	S'W	6	c	59	75	7	6	-	-	10	10	800
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1001.1	-20	SSW	6	ir	58	85	8	6	-	-	10	10	450
	Upper Heyford	1004.9	-24	SSW	6	o/r	57	85	7	6	-	-	10	10	800
	Leafield ...	1004.3	-20	S'W	6	ir_0	55	95	8	6	-	-	10	10	450
4	Ross-on-Wye ...	1000.6	-30	SSW	7	id	58	95	7	6	1	-	9	10	2500
5	Portland Bill...	1007.7	-14	S'W	7	c	59	85	7	4	2	-	7-8	10	2500
	Plymouth ...	1004.4	-30	SSW	8	o	58	95	6	6	-	-	10	10	450
	Falmouth ...	1000.3	-14	SW'S	9	rr	57	95	6	6	-	-	10	10	2500
	Scilly (St. Mary's)	1000.0	-26	SSW	8	rr	57	95	6	6	-	-	10	10	2500
	Guernsey ...	1011.8	-20	S	5	c	61	75	7	5	2	-	7-8	10	4000
6	Pembroke ...	993.8	-50	S	7	rr	56	95	5	3	-	-	10	10	800
7	Holyhead ...	992.0	-38	SSW	6	r_0r_0	60 57	8 95	6	6	2	-	9+	10	800
	Chester (Sealand)	995.4	-42	S	5	rr	~~58~~	~~95~~	7	6	-	-	10	10	1500
8	L'pool (Bidston)	994.8	-34	S	4	rr	58	85	7	6	-	-	10	10	1500
9	Harrogate ...	995.7	-14	SSW	6	ir_0	59	85	7	6	2	-	9	10	2500
10	Spurn Head ...	1000.1	-16	SW'S	7	q	57	85	6	3	2	-	4-6	9+	2500
	Tynemouth ...	991.2	-20	SW	5	ir_0	59	85	7	6	-	-	10	10	1500
11	Inchkeith ...	986.6	-8	SW	4	rr	55	95	7	6	-2	-	10	10	1500
	Leuchars ...	986.7	-8	SW	4	ir_0	57	75	8	6	2	-	4-6	10	1500
12	Renfrew ...	986.0	-10	SW'S	5	ir_0	56	85	7	6	2	-	7-8	10	1500
	Eskdalemuir ...	988.1	-14	SSW	7	rr	53	95	6	5	-	-	10	10	800
13A	Tiree ...	978.5	-12	S'E	6	c/jp	54	95	7	9	2	-	7-8	10	800
13B	Stornoway ...	974.6	-10	SSW	7	c	55	85	7	9	6	-	4-6	7-8	1500
15	Dalwhinnie ...	983.7	0	SW	6	r	51	75	8	6	-	-	7-8	7-8	800
	Aberdeen ...	984.5	-12	S	3	c/r	55	85	7	6	7	-	4-6	9	800
	Wick ...	978.3	-30	SW	4	rr	54	95	8	8	7	1	4-6	7-8	1500
16	Lerwick ...	979.1	-60	S	5	rr	52	95	5	6	-	-	10	10	~~1500~~ 800
17	Blacksod Point	983.4	-8	WSW	6	PR	55	85	7	9	-	-	9+	9+	220
18	Malin Head ...	980.6	-20	SSW	6	c	55	85	7	9	2	-	2-3	10	1500
	Aldergrove ...	985.8	-26	S'E	4	rr	55	95	6	6	2	-	9	10	800
	Donaghadee ...	986.4	-18	SSW	4	r_0r_0	55	95	7	6	-	-	10	10	800
19	Birr Castle ...	985.2	-44	S	1	rr	53	95	7	6	-	-	10	10	2500
20	Valentia Obsy.	986.2	-26	SW'S	5	c	58	85	8	5	2	-	7-8	9	1500
	Roches Point...	987.0	-62	SW	8	rr	58	95	6	6	-	-	10	10	800

OBSERVATIONS at 18h. G.M.T. 3rd November — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Amount Low 0-10 (26)	Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)	Weather 7h.–13h. 3rd (37)	Weather 13h.–18h. 3rd (38)	Weather 18h. 3rd to 1h. 4th (39)	Weather 1h.–7h. 4th (40)
London (Kew)...	1005.7	-14	SSW	7	ir_0	60	65	7	6	-	-	10	10	2500	1	*	od_0c	c	crcq	$cqcqr_0$
Croydon ...	1006.7	-10	SW'S	7	c/r	61	55	7	5	2	-	4-6	10	2500	1	*	cq	cm_0r_0q	$bccir_0q$	cqr_0
S. Farnborough	1005.9	-6	SSW	6	c/r	58	75	7	6	2	-	7-8	10	1500	1	*	ir_0c	ccr	$coir_0$	oir_0r_0
Winchester ...	1005.0	-10	SSW	6	c	57	85	7	5	2	-	4-6	10	1500	1	*	cr_0c	crc	cr_0	corr
Boscombe Down	1004.7	-10	SSW	8	rr	56	95	5	6	-	-	10	10	450	1	*	cir_0	corrq	orrqm	$orrqm_0$
Calshot, S'thmtn	1007.5	-10	S'W	8	c/r	58	75	7	5	7	-	4-6	10	2500	1	4	cq	$cqir_0$	cir_0q	cir_0q
Dungeness ...	*	*	S	8	q	*	*	6	5	6	*	4-6	10	1500	*	4	bc	o	*	bc
Lympne ...	1009.8	-12	SSW	7	c	56	95	6	-	2	-	0	10	-	0	*	c	c	cm_0	cm_0r_0
Shoeburyness	1007.2	-6	SSW	7	c	60	95	8	5	-	-	9+	9+	2500	0	*	cq	cq	c	c
Felixstowe ...	1007.0	-22	S	7	c	58	65	8	-	2	-	0	10	-	0	4	bcc	c	c	cr_0
Gorleston ...	1003.8	-20	SW'S	7	c	58	75	6	-	2	-	0	10	-	0	4	bccq	cq	cq	cq
Cranwell ...	997.6	-18	SSW	7	c/r	58	85	6	6	-	-	10	10	800	1	*	croid	cir_0	ir_0d_0	cid_0
Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	orrq	cqcir
Birmingham ...	998.6	0	SSW	7	ir	57	85	8	6	-	-	10	10	450	1	*	oir_0	or_0r_0	or_0r_0	or_0r_0
Upper Heyford	1002.6	-2	SW	6	rr	56	95	6	6	-	-	10	10	450	1	*	oir_0q	rrqR	rrRRq	orrqm
Leafield ...	1001.7	-14	S'W	7	RR	55	95	6	6	-	-	10	10	450	1	*	oir_0qr	oqRR	oqRR	oqRR
Ross-on-Wye ...	998.9	-8	SSW	7	rr	57	95	6	6	-	-	10	10	1500	1	*	oqir	rrq	rrq	rrq
Portland Bill...	1004.8	-6	SSW	8	rr	58	85	6	6	-	-	10	10	1500	1	5	cir_0c	$orrz_0$	$icrrz_0$	$orrRRm_0$
Plymouth ...	1002.1	-10	SSW	8	rr	57	95	5	6	-	-	10	10	220	1	6	$orrm_0$	$oRRm_0$	$or_0r_0m_0$	or_0r_0m
Falmouth ...	998.7	-6	SW'S	9	RR	57	95	6	6	-	-	10	10	2500	1	5	$orrm_0q$	oRm_0q	oRq	ORmq
Scilly (St. Mary's)	999.0	-6	SSW	7	rr	57	95	5	6	-	-	10	10	1500	1	5	orr	rrm_0	rrm_0o	orrmc
Guernsey ...	1010.3	-2	SSE	6	q	66	65	7	8	-	-	10	10	2500	0	4	cbcco	oq	o	orrq
Pembroke ...	993.7	+10	S'W	7	rr	58	95	6	3	-	-	10	10	800	1	4	mqr	mqr	mrqo	mrq
Holyhead ...	991.3	+30	SW	6	q	57	95	6	5	2	-	7-8	9+	800	1	3	cr_0iRq	Rom_0q	r_0r_0Rq	$RRqm_0$
Chester (Sealand)	993.1	+16	S	3	iD	59	95	6	6	2	-	9	10	800	1	*	ir_0or_0r	rrcq	orrq	rrodD
L'pool (Bidston)	991.7	+6	SWW	6	ir	60	75	8	6	2	-	7-8	10	1500	1	*	r_0crr	rrqc	orr	orqr
Harrogate ...	992.1	-26	SW	8	q	59	85	7	6	-	-	4-6	4-6	2500	1	*	$cqir_0$	$cqir_0$	cqir	cqirRR
Spurn Head ...	995.3	-16	SW'S	8	q	57	85	7	3	2	-	2-3	10	2500	1	4	cprq	cpr_0q	cqir	cq
Tynemouth ...	987.0	-8	SSW	5	o	58	95	7	6	-	-	10	10	1500	1	2	oir_0q	oirq	$obcop_0q$	oirbcq
Inchkeith ...	984.2	-16	SW	3	bc	52	95	8	5	3	-	4-6	4-6	4000	1	2	corr	orrc	cpro	orrcbc
Leuchars ...	983.2	-14	SSW	4	bc/r	57	85	7	5	-	-	4-6	4-6	2500	2	*	$cqrir_0$	oir_0rrm_0	cbbc	bccrr
Renfrew ...	985.2	+12	WSW	3	c	53	85	7	5	7	-	4-6	9	1500	1	*	orrqc	crrqc	cir	$rrcir_0$
Eskdalemuir ...	986.8	+14	SW	3	c	49	95	7	5	-	-	9	9	1500	2	*	orriR	oRRqrc	cbcorr	orrqid
Tiree ...	980.2	+24	SW	6	c	52	85	8	5	3	-	4-6	9	2500	1	4	iRbc	cir_0c	cid	or_0r_0
Stornoway ...	974.4	+2	SSW	6	c	51	95	7	9	2	-	7-8	9+	1500	1	4	cpr	cir	c	cp_0d
Dalwhinnie ...	979.7	0	SE	3	r	50	75	7	6	-	-	9	9	450	1	*	r	r	*	r
Aberdeen ...	980.3	-24	SSW	4	c/r	53	95	8	6	3	-	7-8	9+	1500	1	2	cir_0m_0	cr_0r_0	cbcb	bcorr
Wick ...	976.4	-8	SW	4	bc	53	85	8	5	3	8	4-6	4-6	2500	0	4	crr	crrbc	bcc	r_0crr
Lerwick ...	976.1	-4	S	3	bc	52	85	7	5	-	1	2-3	4-6	1500	1	*	$orrm_0$	$orrm_0$	$bccp_0r_0$	cpr_0orrm
Blacksod Point	983.3	-2	WSW	6	iR	55	85	7	9	-	-	9+	9+	<150	1	5	prcq	irq	ir	prcq
Malin Head ...	982.3	+20	SW	3	c/p	54	85	7	6	7	-	4-6	7-8	1500	0	2	cr_0cu	cbcc	cir_0c	cirbc
Aldergrove ...	984.9	+28	S'E	4	c	52	95	8	5	7	-	7-8	7-8	2500	1	*	cirrr	rrbcc	cr	rrbc
Donaghadee ...	986.0	+34	WSW	3	bc	52	95	7	5	3	-	4-6	4-6	2500	1	1	or_0r_0	orrbc	cir_0	crrc
Birr Castle ...	987.0	+16	SW	4	c	56	85	8	6	1	-	7-8	10	2500	1	*	orrRr	orc	corr	orrcbcb
Valentia Obsy.	988.3	+10	S	4	c	56	85	8	5	-	-	10	10	1500	1	3	crrRc	c	crr	pr
Roches Point...	991.9	+22	WSW	4	c	57	85	7	6	-	-	7-8	7-8	1500	1	6	orr	orc	corr	orbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
f_s, fog over sea (coast station).
f_g, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s_0, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s_0/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t. thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

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

Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus, R, heavy rain. r_0, slight rain. rr, continuous rain.

<· less than (for cloud height).

⊕, 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.

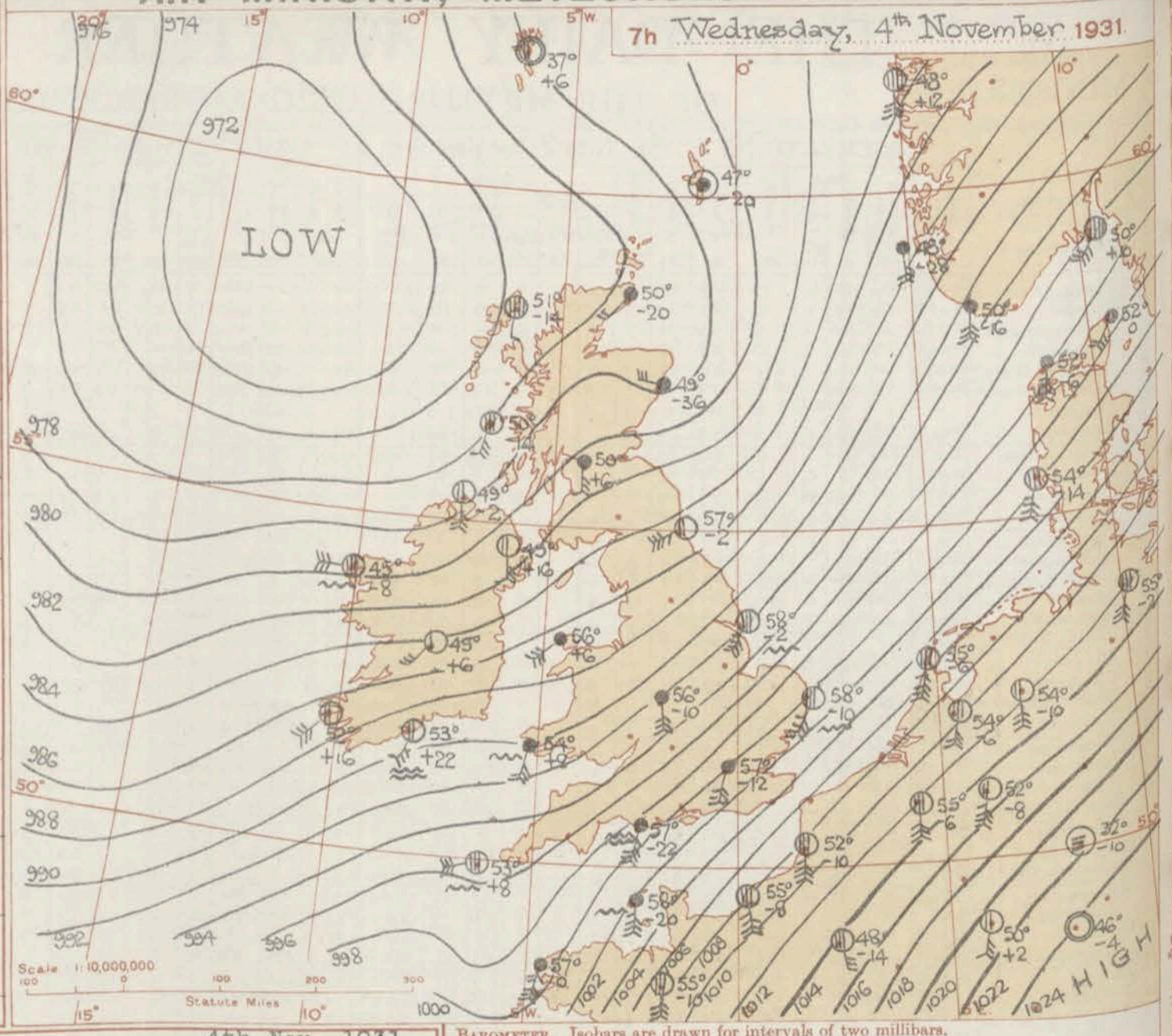
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 3rd November 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 2nd to 9h. 3rd.	Temperature. Max. 9h.—17h. 3rd	Rainfall. Night. 17h. 2nd to 9h. 3rd.	Rainfall. Day. 9h.—17h. 3rd	Sunshine. Sunrise to Sunset. 3rd
1	Tunbridge W.	bc	oco	47	60	-	-	2.5
	Bournemouth	o	od	51	60	0.3	0.3	0.0
	Ventnor ...	ou	ou	52	59	-	-	0.0
	Southsea ...	o	c	50	61	-	-	0.0
	Bognor Regis	cbcc	c	52	59	-	-	0.1
	Littlehampton	bcc	c	50	60	-	-	1.0
	Worthing ...	cb	co	52	60	Trace	-	1.8
	Brighton ...	cbc	c	52	59	-	-	1.5
	Eastbourne†	bcc	co	52	58	-	-	3.0
	Hastings† ...	bcc	co	51	59	-	-	2.4
	Folkestone ...	wbc	bcco	51	59	-	-	4.0
	Dover... ...	bcc	co	51	58	-	-	2.3
	Deal	b	co	50	60	-	-	2.5
	Ramsgate ...	bcc	c	50	60	-	-	0.6
	Margate ...	bc	bcc	49	62	-	-	1.9
2	Southend ...	co	co	47	60	Trace	-	0.9
	Maldon ...	c	co	42	62	-	-	0.7
	Clacton-on-Sea	c	c	49	56	-	-	0.0
	Dovercourt ...	bcc	oc	45	59	-	-	0.1
	Lowestoft ...	cibc	c	47	58	-	-	0.7
	Skegness ...	om	om	47	58	Trace	-	0.0
	Mablethorpe	o	or	46	59	-	Trace	0.0
	Cleethorpes ...	oro	oir	44	59	Trace	0.5	0.0
3	Leamington S.	od	od	50	60	Trace	2	0.0
4	Cheltenham†	oir	orr	50	59	1	8	0.0
5	Bath	qcrr	qrr	44	60	1	6	0.0
	Weymouth ...	c	cfdc	54	61	-	Trace	0.0
	Jersey ...	bc	bcc	48	62	-	-	2.8
	Torquay ...	pzipm	porrq	45	61	2	4	0.0
	Penzance ...	orr	corrq	53	59	3	14	0.0
	St. Ives ...	rr	rr	55	59	5	18	0.0
	Bude	qr	qr	50	60	5	12	0.0
	Ilfracombe ...	rr	rr	52	60	5	16	0.0
6	Aberystwyth	eir	eiR	49	59	6	15	0.0
7	Llandudno ...	rqr	rqcqo	52	64	1	8	0.0
	Colwyn Bay...	rr	rrorr	52	60	7	22	0.0
	Rhyl	orr	orrq	50	62	1	13	0.0
8	Wallasey ...	irr	rro	-	62	0.5	7	0.0
	Southport‖ ...	r	rrco	51	60	2	14	0.0
	Blackpool ...	orqR	oq	44	58	4	16	0.0
	Morecambe ...	crrorr	rror	44	59	8	28	0.0
9	Ilkley... ...	rr	rr	47	59	Trace	10	0.0
10	Berwick-on-T.	rro	rR	49	60	-	6	0.3
11	Dunbar ...	crd	orr	51	59	Trace	5	0.0
12	Douglas ...	orqR	cbc	51	56	4	18	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 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. 4th Nov. 1931.

Districts.	
1. S.E. England	▼
2. E. England...	▼
3. E. Midlands	
4. W. Midlands	
5. S.W. England	▼
6. South Wales	▼
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	▼
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	
13. A. W. Scotld. B. N.W. Scotland.	
14. Mid-Scotland	
15. N.E. Scotland	
16. Orkneys and Shetlands.	
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

ALL DISTRICTS.

Wind between south and west, strong at times; rain at times but brighter intervals; mild.

GENERAL INFERENCE.

A large depression off our northwest coasts is likely to become rather less deep, while secondaries move northeast over the British Isles, maintaining unsettled weather.

FURTHER OUTLOOK.

Very unsettled for a few days.

Time of Issue of Gale Warnings.

▼ South cone at 1355 on 2nd in districts 5 & 6
▼ South cone at 0550 on 3rd in districts 1, 2 and 10.

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. 25 306/2326. 11.75. 2,600. 60908. 27000. 4/31.

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 November 1931.

No. 26549

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

District.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0-10 (12)	Cloud. Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1003.8	-18	SSW	6	c/r	59	65	7	5	7	-	4.6	9	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1004.6	-22	SW	8	q	58	75	8	5	7	-	2.3	10	2500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1006.5	-14	SSW	6	c	56	65	6	5	2	-	4.6	9	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1003.0	-14	SW's	6	c	58	85	6	-	2	-	0	10	-
	Cranwell ...	240	995.7	-26	SSW	7	id.	56	95	6	6	-	-	10	10	1500
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1002.0	-10	SSW	7	rr	59	75	6	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	992.9	-24	SSW	10	rr	56	95	6	6	-	-	10	10	2500
	Scilly (St. Mary's)	163	991.5	-24	SSW	9	rr	57	95	5	6	-	-	10	10	2500
	Guernsey ...	175	1006.3	-16	SSE	6	o	58	75	7	5	-	-	10	10	2500
6	Pembroke ...	142	985.5	-50	SSW	8	ir	57	95	4	3	-	-	10	10	800
7	Holyhead ...	26	984.7	-66	SSW	7	RR	57	95	6	6	2	-	9+	10	800
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	994.4	-4	SW's	8	ir	55	95	7	5	-	-	10	10	2500
	Tynemouth ...	67	988.1	+8	SSW	8	o	57	95	7	6	-	-	10	10	1500
11	Inchkeith ...	190	984.1	-10	SW	4	o	55	95	8	5	-	-	10	10	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	978.9	+6	SSW	2	c	48	95	7	8	7	-	4.6	7.8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	980.6	+12	W	2	c	47	85	8	8	1	8	4.6	7.8	2500
16	Lerwick ...	54	980.0	+38	WS	1	c/pr	49	95	7	5	-	-	7.8	7.8	1500
17	Blacksod Point	18	980.1	-12	SW	3	rr	51	95	6	6	-	-	10	10	<150
18	Malin Head ...	52	979.7	-22	SSE	4	c	53	85	7	6	2	-	4.6	10	2500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	983.0	-6	S	7	q	54	95	6	3	-	-	10	10	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)...	1000.4	-16	SW	6	r.r.	57	75	7	6	2	-	2.3	10	1500	1	*
	Croydon ...	1001.3	-12	SSW	6	r.r.	57	75	7	5	1	-	2.3	10	1500	1	*
	S. Farnborough	999.6	-22	SW	6	rr	56	85	6	6	-	-	10	10	800	1	*
	Winchester ...	998.5	-22	SSW	7	rr	65	95	7	6	2	-	9	10	800	1	*
	Boscombe Down	997.2	-26	S	7	rr	65	95	6	6	-	-	10	10	450	1	*
	Calshot, (S'thmtn)	1000.6	-20	S	8	r.r.	58	75	6	5	7	-	7.8	10	2500	1	5
	Dungeness ...	*	*	SSW	8	q	*	*	7	3	6	*	4.6	9+	1500	*	5
	Lympne ...	1004.7	-6	SSW	6	c	55	75	7	5	1	-	9	10	1500	0	*
2	Shoeburyness	1002.4	-10	SSW	7	c	57	85	8	5	2	-	2.3	9+	4000	0	*
	Felixstowe ...	1002.2	-10	S	6	ir.	56	75	7	5	7	-	4.6	9	2500	0	4
	Gorleston ...	1000.5	-10	SW's	7	c	58	65	6	-	2	-	0	10	-	0	5
	Cranwell ...	999.4	-14	SW	8	id.	58	85	7	5	1	-	9	10	1500	1	*
3	Cardington ...	997.0	-12	SSW	7	ir	57	85	7	6	2	-	9	10	800	*	*
	Birmingham ...	999.9	-10	S	6	r.r.	56	95	8	6	-	-	10	10	450	1	*
	Upper Heyford	996.0	-18	SW's	6	r.r	55	95	6	6	-	-	10	10	450	1	*
	Leafield ...	994.8	-18	S	9	RR	54	95	6	6	-	-	10	10	450	1	*
4	Ross-on-Wye ...	996.6	-16	S	7	r.r	57	95	6	6	-	-	10	10	1500	1	*
5	Portland Bill...	997.5	-22	SSW	8	RR	57	95	5	6	-	-	10	10	1500	2	6
	Plymouth ...	996.1	-10	SW	6	r.r.	55	95	6	6	-	-	10	10	450	1	3
	Falmouth ...	994.3	-12	SWW	6	r.r.	54	95	6	6	-	-	10	10	2500	2	5
	Scilly (St. Mary's)	996.6	+64	W's	6	q	53	95	7	5	-	-	9+	9+	4000	1	5
	Guernsey ...	1002.5	-20	SSE	7	rr	58	85	6	6	-	-	10	10	1500	1	5
6	Pembroke ...	988.7	+8	SSW	5	ir	54	95	5	3	-	-	7.8	7.8	800	1	4
7	Holyhead ...	987.0	+6	SWW	6	ir.	56	85	6	6	-	-	10	10	800	1	3
	Chester (Sealand)	987.8	+16	SSW	3	o/d	56	85	6	6	-	-	10	10	1500	1	*
8	L'pool (Bidston)	987.5	+8	SW	2	c/r	55	85	8	6	2	-	7.8	10	2500	1	*
9	Harrogate ...	987.9	0	SW	3	RR	55	95	5	6	2	-	9	10	2500	1	*
10	Spurn Head ...	991.1	-2	SW's	7	q	58	95	7	5	7	-	2.3	9+	4000	0	5
	Tynemouth ...	983.1	-2	WSW	7	bc	57	75	7	2	-	-	4.6	4.6	2500	1	2
11	Inchkeith ...	979.7	+12	SW	4	c	48	95	8	5	7	-	4.6	7.8	2500	1	3
	Leuchars ...	979.1	-8	WSW	4	bc/r	46	95	7	4	3	-	1	2.3	1500	1	*
12	Renfrew ...	981.1	+6	S	4	ir.	50	95	6	6	2	-	9+	10	1500	1	*
	Eskdalemuir ...	982.8	+30	SW	6	id.	50	85	6	5	-	-	10	10	1500	2	*
13A	Tiree	976.3	-14	SSW	4	c	50	95	7	6	6	-	4.6	7.8	1500	1	3
13B	Stornoway ...	974.5	-14	S	1	o	51	95	7	5	-	-	10	10	1500	1	2
15	Dalwhinnie ...	978.4	-14	S	1	c	46	65	6	6	-	-	7.8	7.8	800	1	*
	Aberdeen ...	977.3	-36	WNW	3	rr	49	95	6	6	-	-	10	10	2500	1	2
	Wick	976.8	-20	SW	4	id	50	95	7	9	2	-	7.8	10	1500	1	2
16	Lerwick ...	978.8	-20	-	0	rr	47	95	6	6	-	-	10	10	800	2	*
17	Blacksod Point	979.6	-8	W	6	q	45	85	7	9	-	-	9+	9+	220	1	5
18	Malin Head ...	977.1	-2	S	5	bc	49	85	7	6	8	-	2.3	2.3	1500	1	2
	Aldergrove ...	981.9	+16	SE	4	bc	49	85	7	5	3	-	2.3	4.6	2500	1	*
	Donaghadee ...	981.5	+26	WSW	3	c	52	85	7	5	-	-	7.8	7.8	1500	1	1
19	Birr Castle ...	982.7	+6	SW	3	b	49	85	8	-	4	-	0	1	-	1	*
20	Valentia Obsy.†	986.8	+16	SW	6	bc/r	52	85	8	8	-	-	4.6	4.6	2500	1	*
	Roches Point...	989.2	+22	SW	4	bc	53	85	8	3	-	-	4.6	4.6	1500	1	6

PAST 24 HOURS.

District.	Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 3rd Hrs. (36)
1	London (Kew)...	61	57	53	Tr.	0.6	0.0
	Croydon ...	62	57	53	Tr.	0.1	0.4
	S. Farnborough	60	56	53	0.2	1	0.0
	Winchester ...	59	55	53	1	2	0.0
	Boscombe Down	59	54	52	2	16	*
	Calshot, (S'thmtn)	59	57	53	0.1	0.2	0.0
	Dungeness ...	58	56	*	-	5	*
	Lympne ...	58	55	*	-	Tr.	3.7
2	Shoeburyness	61	56	55	-	-	2.2
	Felixstowe ...	58	54	54	-	Tr.	0.6
	Gorleston ...	59	57	56	-	-	0.2
	Cranwell ...	59	56	54	0.1	1	0.0
3	Cardington ...	*	*	*	*	*	*
	Birmingham ...	58	56	54	3	8	0.0
	Upper Heyford	58	55	53	5	15	*
	Leafield ...	57	53	53	7	19	0.0
4	Ross-on-Wye ...	58	57	55	17	28	0.0
5	Portland Bill...	60	57	*	1	11	*
	Plymouth ...	59	55	54	8	16	0.0
	Falmouth ...	59	52	*	11	33	0.0
	Scilly (St. Mary's)	58	53	*	13	19	0.0
	Guernsey ...	62	58	55	-	2	1.4
6	Pembroke ...	58	52	*	24	11	0.0
7	Holyhead ...	59	56	54	16	18	0.0
	Chester (Sealand)	63	55	52	9	5	0.0
8	L'pool (Bidston)	60	54	52	9	5	0.0
9	Harrogate ...	59	55	53	2	10	0.0
10	Spurn Head ...	57	54	*	0.1	0.4	0.0
	Tynemouth ...	61	56	50	4	1	*
11	Inchkeith ...	58	46	44	6	4	0.0
	Leuchars ...	58	46	41	7	9	0.0
12	Renfrew ...	57	47	45	12	6	0.0
	Eskdalemuir ...	54	47	45	52	19	0.0
13A	Tiree	55	48	46	3	3	0.6
13B	Stornoway ...	55	47	*	7	0.2	1.7
15	Dalwhinnie ...	(51)	44	40	12	4	0.0
	Aberdeen ...	58	49	44	1	4	0.1
	Wick	55	47	*	2	1	*
16	Lerwick ...	53	47	*	7	3	0.2
17	Blacksod Point	57	45	*	3	5	*
18	Malin Head ...	55	48	*	1	3	0.6
	Aldergrove ...	55	47	43	5	4	1.0
	Donaghadee ...	57	47	*	7	10	*
19	Birr Castle ...	56	49	44	23	7	0.6
20	Valentia Obsy.†	58	51	47	17	10	0.0
	Roches Point...	59	52	*	13	10	*

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.	Yesterday.	To-day.	
Kew	18	od.c	c	cr.c.q	61	57	53	Tr.	0.6	0.0	*	*	6
Croydon	217	c.q	cm.r.q	bc.c.q	62	57	53	Tr.	0.1	0.4	*	*	6
Greenwich (Royal Observatory) ...	140	c.q.	c.q	c.q.c	61	56	50	-	0.3	0.1	70	76	6
City (Bunhill Row)	—				*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	62	56	50	0.4		0.0	65	73	*
Regents Pk. (Botanic Gardens) ...	168	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square	110	c	c	*	61	57	52	-	0.5		At 18h.	81	*
Kensington	80	co	co	*	62	56	52	-	0.6	0.0	65	80	*
Hampstead Observatory	450	oc	od	o	60	52	48	Tr.	0.5	0.0	*	81	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0.6	13h 3rd	Nil	22h 3rd-6h 4th

Kew Observatory. Max.	Time.	Min.	Time.
0.1	8h 3rd	<0.1	0-7h 4th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 3rd November. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 4th November. 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	S	3	bc	50	1015.0	SSE	3	c	48	63	48	-	-
Brussels	1016.7	SSW	5	c	57	1012.4	S	6	c	55	63	54	-	-
Berlin	1022.1	SW's	4	c	46	1019.7	S	4	c	46	55	45	-	-
Zürich	1020.5	E	1	3	46	1028.0	S	1	bf	34	57	32	Tr.	-
Rome						1033.1	NE	2	b	43		39		-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

TERMS OF SUBSCRIPTION. Single Copies, 1d. each; by post 1½d. 2/6 per month; 6/6 per quarter; 26/- per year.

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 5th November 1931.

No. 25550

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1001.7	+28	SW	4	c	59	75	7	4	-	6	2-3	9	2500
	Croydon	1002.4	+16	SW	5	c/r	58	75	7	5	7	1	4-6	7-8	800
	S. Farnborough	1002.2	+30	SW'S	4	c	58	85	8	5	-	14	9+	9+	1500
	Winchester	1002.7	+42	SW	4	bc	56	75	8	5	1	-	4-6	4-6	2500
	Boscombe Down	1002.1	+30	W'S	5	bc	57	65	8	1	-	2	2-3	4-6	4000
	Calshot, S'thmtn	1004.1	+42	SW'W	4	c/pr	56	85	7	6	7	-	4-6	9	1500
	Dungeness	*	*	SSW	8	iR	*	*	5	3	-	*	10	10	1500
	Lympne	1003.9	-6	SW'S	8	ir.	55	85	6	6	2	-	9	10	800
2	Shoeburyness	1001.8	+4	SW'S	7	c	58	95	8	5	2	-	7-8	9+	2500
	Felixstowe	1001.3	-2	S	7	c	57	75	7	5	-	-	10	10	1500
	Gorleston	998.8	0	SW	6	c 0	57	95	6	6	-	-	9+	9+10	1500
	Cranwell	996.5	+42	SW'W	5	bc	56	65	8	1	-	1	10 1	2-3	2500
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	998.4	+26	SW	4	bc	55	65	8	1	-	1	2-3	4-6	1500
	Upper Heyford	1000.3	+46	SW	5	bc	56	75	7	2	-	1	4-6	4-6	1500
	Leafield	1000.4	+30	SW	5	bc	53	75	8	2	-	1	4-6	4-6	4000
4	Ross-on-Wye	999.0	+30	SW'W	6	q	56	65	8	1	-	1	4-6	4-6	4000
5	Portland Bill	1002.9	+36	WSW	7	c	57	75	6	4	6	8	4-6	7-8	2500
	Plymouth	1003.1	+30	SW	6	bc	57	75	7	8	-	5	2-3	4-6	1500
	Falmouth	1002.5	+10	SW	6	q	57	85	7	8	-	-	4-6	4-6	4000
	Scilly (St. Mary's)	1002.3	+22	SW	6	b	57	75	7	2	-	-	1	1	4000
	Guernsey	1006.1	+24	SW	5	c	58	85	7	8	1	8	4-6	7-8	2500
6	Pembroke	998.2	+28	SW'S	5	bc	56	75	6	5	6	-	4-6	4-6	1500
7	Holyhead	994.2	+32	WSW	6	bc/pr.	55	75	8	3	-	-	2-3	2-3	1500
	Chester (Sealand)	995.3	+38	SW'S	5	c	57	65	8	5	-	-	9	9	4000
8	L'pool (Bidston)	993.8	+30	WSW	6	pr	55	65	7	8	-	-	9	9	1500
9	Harrogate	991.8	+40	SW	6	b	56	68	7	3	-	8	Tr	1	2500
10	Spurn Head	994.8	+16	WSW	6	bc	56	75	7	4	3	9	4-6	4-6	4000
	Tynemouth	987.5	+20	WSW	7	bc	57	65	8	1	-	-	2-3	2-3	4000
11	Inchkeith	982.7	+10	SW	6	bc	52	85	8	8	8	-	4-6	4-6	4000
	Leuchars	982.6	+10	SW	6	q	54	65	8	8	6	3	4-6	4-6	1500
12	Renfrew	985.0	+26	WSW	5	q	51	65	8	8	-	-	9	9	4000
	Eskdalemuir	986.4	+20	SW'W	6	bc	51	65	8	2	-	-	4-6	4-6	1500
13A	Tiree	978.9	+34	SW	7	c/pr	52	85	8	8	-	3	9	9	1500
13B	Stornoway	974.5	-4	SSW	4	c/R	47	95	6	6	7	-	7-8	10	1500
15	Dalwhinnie	978.2	0	S	4	bc	47	75	8	4	-	-	4-6	4-6	800
	Aberdeen	980.5	0	SSW	4	c	54	65	7	9	-	-	7-8	7-8	1500
	Wick	976.1	-2	SW	3	bc	52	85	8	8	4	8	4-6	4-6	2500
16	Lerwick	974.5	-4	-	0	c	50	95	6	5	2	-	4-6	10	800
17	Blacksod Point	989.8	+60	W	5	q	51	75	8	3	-	-	4-6	4-6	450
18	Malin Head	983.2	+40	SW	6	c/p	50	95	7	3	-	-	7-8	7-8	1500
	Aldergrove	987.0	+30	SSW	6	c/p	51	75	8	8	-	-	9+	9+	2500
	Donaghadee	986.8	+36	WSW	3	c	54	65	7	8	3	-	4-6	7-8	2500
19	Birr Castle	982.9	+34	W	3	c	54	65	8	8	-	-	7-8	7-8	2500
20	Valentia Obsy.	996.9	+54	W	4	c	54	75	8	8	-	6	2-3	7-8	1500
	Roches Point	995.9	+40	W	5	bc	56	75	8	3	-	-	4-6	4-6	1500

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

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)	1006.4	+26	SW	4	b	53	85	7	-	-	1	0	1	-	1	*
	Croydon	1006.1	+22	SW'S	4	b	53	85	7	-	-	1	0	1	-	1	*
	S. Farnborough	1006.3	+22	SW	3	b	52	85	8	-	1	1	0	Tr	-	1	*
	Winchester	1006.8	+26	SW	3	b	52	85	7	5	-	-	Tr	Tr	2500	1	*
	Boscombe Down	1006.2	+26	SSW	3	b	50	95	7	4	-	-	1	1	4000	1	*
	Calshot, S'thmtn	1006.5	+14	SW	4	bc	54	85	8	-	-	8	0	2-3	-	0	3
	Dungeness	*	*	SSW	3	c	*	*	7	8	7	*	7-8	9	1500	*	3
	Lympne	1007.9	+20	SW	4	c	52	95	6	5	7	-	4-6	9+	2500	1	*
2	Shoeburyness	1006.9	+28	SW	3	bc	53	85	7	-	1	-	0	2-3	-	0	*
	Felixstowe	1006.3	+22	S'W	3	bc	53	95	7	-	3	2	0	4-6	-	0	3
	Gorleston	1004.9	+30	SW'S	3	bc	56	75	6	4	-	-	2-3	2-3	4000	0	3
	Cranwell	1002.1	+34	SW	5	b	52	75	6	4	-	1	Tr	Tr	4000	1	*
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1003.4	+30	SW	3	bc	52	75	8	2	3	-	4-6	4-6	2500	1	*
	Upper Heyford	1004.9	+28	SSW	3	bc	50	85	7	2	-	-	4-6	4-6	1500	1	*
	Leafield	1004.4	+20	SSW	3	bc	49	85	8	4	-	1	2-3	2-3	~~4000~~ 2500	1	*
4	Ross-on-Wye	1003.5	+16	SW	3	c/p	53	85	7	9	-	3	7-8	7-8	2500	1	*
5	Portland Bill	1006.0	+20	SW'W	5	bc	56	85	6	4	-	-	2-3	2-3	2500	1	5
	Plymouth	1006.3	+18	SW	4	c	55	85	7	5	-	-	7-8	7-8	1500	1	3
	Falmouth	1005.8	+10	SW	4	q	54	95	7	8	-	-	4-6	4-6	4000	0	3
	Scilly (St. Mary's)	1005.1	+20	SW	5	bc	54	85	6	8	-	-	4-6	4-6	4000	1	4
	Guernsey	1009.2	+24	SW	3	bc	54	75	6	5	-	-	4-6	4-6	4000	1	4
6	Pembroke	1001.2	+8	WSW	5	bc	54	85	6	4	6	-	4-6	4-6	1500	1	4
7	Holyhead	1000.7	+42	W'N	4	c	54	75	7	4	3	2	4-6	9	1500	1	3
	Chester (Sealand)	1000.7	+36	S'W	2	bc	53	75	7	8	-	-	2-3	2-3	4000	1	*
8	L'pool (Bidston)	999.7	+34	WSW	4	bc	52	75	8	8	-	-	4-6	4-6	1500	0	*
9	Harrogate	999.1	+50	SW	4	bc	52	65	7	9	-	-	4-6	4-6	4000	1	*
10	Spurn Head	1000.3	+16	WSW	4	bc	53	85	7	5	3	-	2-3	4-6	2500	0	3
	Tynemouth	994.5	+40	WSW	3	bc	52	65	8	2	-	-	2-3	2-3	2500	0	2
11	Inchkeith	988.0	+16	SW	7	bc	50	85	8	5	-	-	2-3	2-3	2500	0	4
	Leuchars	989.4	+34	WSW	7	q	48	75	7	4	6	-	2-3	2-3	2500	1	*
12	Renfrew	994.2	+64	W	4	bc	47	75	8	8	-	3	2-3	4-6	2500	1	*
	Eskdalemuir	993.8	+38	W'S	6	bc/pr.	47	75	8	2	-	-	4-6	4-6	1500	1	*
13A	Tiree	991.3	+76	W	5	bc/pr	48	85	8	5	6	-	2-3	4-6	2500	1	4
13B	Stornoway	982.2	+66	WNW	5	iR	46	95	7	6	7	-	9	10	1500	2	3
15	Dalwhinnie	980.5	+32	SE	6	c	43	75	6	6	-	-	7-8	7-8	800	1	*
	Aberdeen	985.1	+22	SSW	5	b	49	75	8	-	-	-	0	0	-	1	1
	Wick	980.3	+32	SW	3	c	47	85	8	8	1	-	7-8	10	2500	0	3
16	Lerwick	977.2	+20	SW	1	ir	48	95	6	6	2	-	4-6	9+	800	92	*
17	Blacksod Point	996.4	+36	W	3	bc	50	65	8	2	-	-	4-6	4-6	800	0	3
18	Malin Head	994.5	+58	W'N	5	bc/p	50	75	7	3	6	-	2-3	2-3	2500	0	3
	Aldergrove	996.8	+54	SW'S	3	c	46	95	8	-	7	8	0	7-8	-	1	*
	Donaghadee	995.9	+40	WSW	2	c	49	85	7	8	2	-	4-6	7-8	2500	0	2
19	Birr Castle	998.6	+28	W	1	c	47	85	8	3	7	-	2-3	10	1500	1	*
20	Valentia Obsy.	1000.2	+14	SSE	3	c/p	49	85	8	5	-	-	9+	9+	1500	1	4
	Roches Point	1001.0	+32	SW	3	c	53	95	8	3	-	-	7-8	7-8	2500	0	5

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. 4m. (37)	13h.–18h. 4m. (38)	18h. 4m. to 1h. 5m. (39)	1h.–7h. 5m. (40)
1	London (Kew)	crm.c	bcb	b	cp.cerc
	Croydon	crrm.q	cbc	b3.w	cbc3.w
	S. Farnborough	orrc	cpr.bcb	bw bm.	b,cPR ir.
	Winchester	orrm.rc	bcb	b	bbcpr
	Boscombe Down	orrqbc	bcb	bbcm.	bccr
	Calshot, S'thmtn	orqcpr	bcm.	bcPR	bcPR
	Dungeness	r	c	*	bc
	Lympne	crrm.	crqcm.	cp.rb	bwm.cbc
2	Shoeburyness	cpr.c	cbcb	b	bccw
	Felixstowe	cr.	c	bc	bcwc
	Gorleston	cq	oqbc	bcb	bbc
	Cranwell	idir	bcb3.	b3.m.	bbcm.
3	Cardington	*	*	*	bbcw
	Birmingham	or.bc	bc	bc	bc
	Upper Heyford	orqRc	bccjp	bcbw	b,cprbc
	Leafield	oRqbc	bcb	bw	bwc
4	Ross-on-Wye	rqbcq	bcp.cP	cbccpc	bc
5	Portland Bill	RRc3.	cbc3.	bc	bcc3.
	Plymouth	orr.bc	bc	bc	bcc
	Falmouth	or.bcq	bcq	bcq	bcc
	Scilly (St. Mary's)	p.bcb	bbc	bcpq b	bbcc
	Guernsey	oqrrc	cbc		bcwcc
6	Pembroke	omqr	cq	cir	cbc
7	Holyhead	cbcq, pc	bccjp	cbc	prPR
	Chester (Sealand)	pr.bcc	pr.bc	bcpr.b	bbcm.o
8	L'pool (Bidston)	cbbcpr	prbbc	bcb	bp.bc
9	Harrogate	cRRcbq	bbcq	bcbiro	bcbir.m
10	Spurn Head	cqpre	cbc	bc	bcw
	Tynemouth	bcq	bcq	bcb	bbc
11	Inchkeith	cprbc	bc	bc	bcc
	Leuchars	bcprq	bcqpr.	bq	bqbcc
12	Renfrew	cpr.q	irqp.	prqb,c	bcc
	Eskdalemuir	od.cprbc	cpr.bc	bc	bcc
13A	Tiree	cpr	cpr	cb	bcc
13B	Stornoway	ciR	ciRq	bcpr	b,c
15	Dalwhinnie	bc	r	p	c
	Aberdeen	oro.c	cRb	bbc	bc
	Wick	crrbc	bcprc	cbc	bc
16	Lerwick	orrm.c	cirm.	cr.m.pr	cpro
17	Blacksod Point	prcq	cbc	prcq	prc
18	Malin Head	bccpr	cprbcjp	bccprbbc	bc
	Aldergrove	cpr	cp.b	c	bcp.b
	Donaghadee	c	c	bbc	cpr.c
19	Birr Castle	bcpbc	c	cir	cbcbc
20	Valentia Obsy.	bccpr.c	cp.cpc	PRH	PRH
	Roches Point	bcp.bc	bcc	cpbc	bcc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
f_s, fog over sea (coast station).
f_g, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
j_p, precipitation within sight of station.
ks, storm of drifting snow.
k/s_o, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s_o/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

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

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.

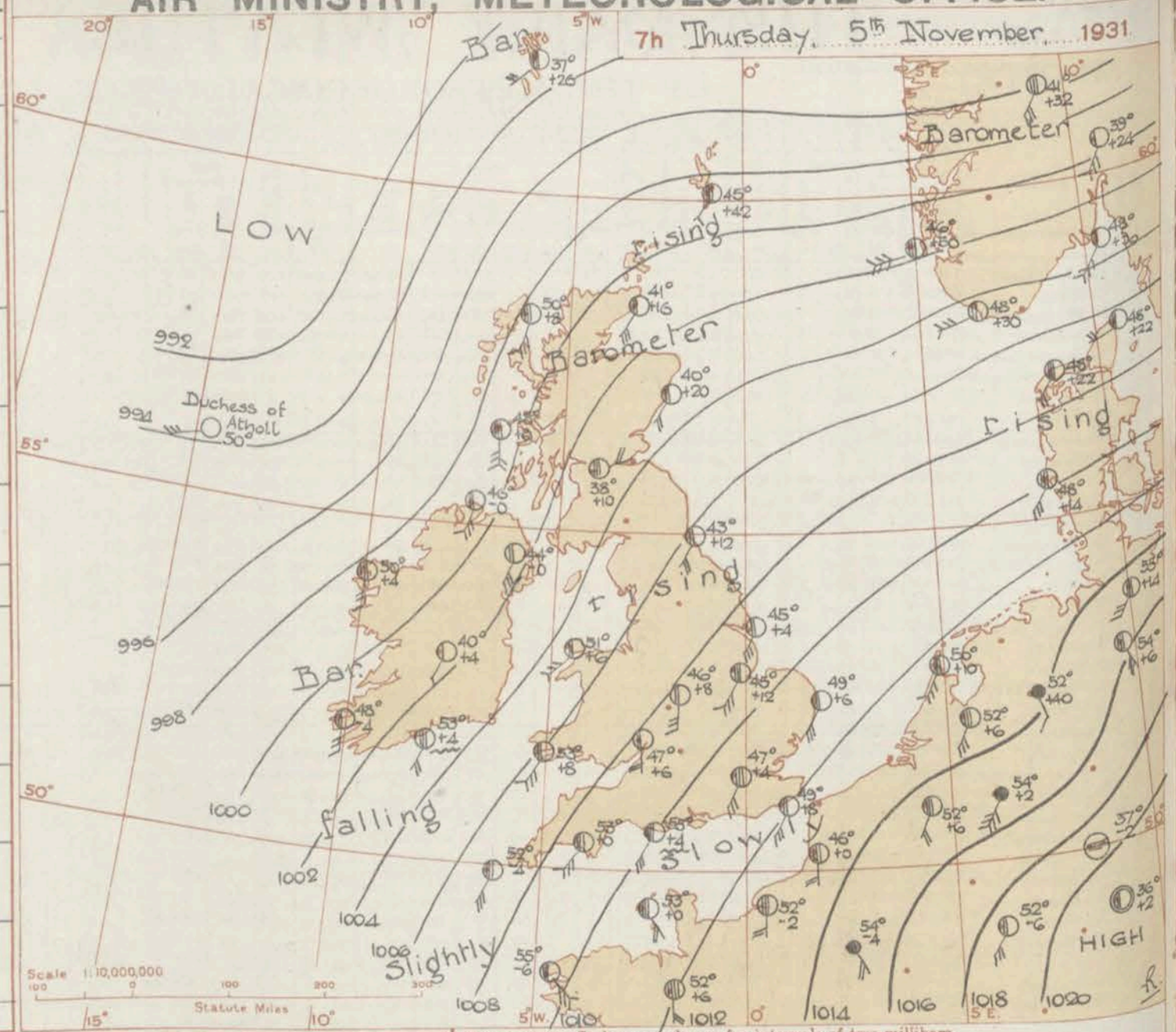
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 4th November 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.	or	oco	54	57	1	2	0.1
	Bournemouth	orc	c	55	58	9	2	2.4
	Ventnor ...	ouporu	cbc	55	58	–	0.3	0.8
	Southsea ...	orc po	cbcb	57	59	1	0.3	0.4
	Bognor Regis	orc	cbcc	53	58	trace	0.5	0.4
	Littlehampton	cpc	cbc	55	58	0.1	0.3	0.6
	Worthing ...	or	oc	56	58	trace	0.3	0.7
	Brighton ...	orc	cbc	55	57	trace	0.2	0.6
	Eastbourne†	qirro	oc	56	58	trace	1	0.0
	Hastings† ...	or	oroc	55	58	–	1	0.0
	Folkestone ...	or	omr	54	57	0.1	2	0.0
	Dover... ...	roc	coir	56	57	1	1	0.0
	Deal	or	ro	55	58	–	2	0.0
	Ramsgate ...	oro	o	55	56	–	0.6	0.0
	Margate ...	cr	c	55	55	–	0.3	0.0
2	Southend ...	or	acbc	56	58	trace	trace	0.0
	Maldon ...	oc	c	58	60	–	–	0.7
	Clacton-on-Sea	c	cbc	50	56	–	–	0.0
	Dovercourt ...	oc	acbc	55	58	–	–	0.0
	Lowestoft ...	cad	idcbc	55	58	trace	trace	0.0
	Skegness ...	om	aoom	55	59	0.4	–	2.7
	Mablethorpe	or	orcbc	56	58	2	1	2.6
	Cleethorpes ...	cRcb	bcr	55	60	3	2	4.0
3	Leamington S.	orc	c	56	58	15	0.3	4.2
4	Cheltenham†	orcbc	bcbo	54	57	32	0.3	4.3
5	Bath	rcbcb	bcb	57	60	23	1	4.6
	Weymouth ...	rdcb	b	56	59	24	0.1	4.8
	Jersey ...	rcrqc	c	55	58	3	3	0.2
	Torquay ...	Rrqpcpbm		55	59	40	trace	5.2
	Penzance ...	b	b	53	59	33	–	7.4
	St. Ives ...	b	b	52	58	52	–	6.5
	Bude	rcbc	bcb	53	59	22	–	6.3
	Ilfracombe ...	bbc	bcc	55	58	32	–	4.5
6	Aberystwyth	iRbc	bcprc	50	56	22	1	3.1
7	Llandudno ...	bc	bc	54	58	6	–	5.3
	Colwyn Bay...	bcbbc	bcbcc	53	57	15	–	4.9
	Rhyl	cprbc	bc	53	58	7	trace	4.2
8	Wallasey ...	cbcc	oPbc	*	58	5	1	3.9
	Southport‖ ...	ocbcb	bccpbcb	54	58	13	0.1	4.8
	Blackpool ...	Rbc	bcpbc	54	56	16	1	4.6
	Morecambe ...	rrcbc	bbcrc	53	56	23	2	3.7
9	Ilkley... ...	rcbc	cbcc	53	57	18	1	2.8
10	Berwick-on-T.	bc	bc	51	55	4	–	5.4
11	Dunbar ...	crbc	bc	49	56	2	–	6.4
12	Douglas ...	bcrbc	irqcbbcb	50	55	21	0.5	5.6

† 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 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 Novr. 1931.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Moderate southerly wind, freshening; mainly cloudy, rain at times later; mild.
5. S.W. England 6. South Wales	Wind south or southeast, veering southwest later, fresh or strong; cloudy, rain at times; mild.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Wind backing southeast and freshening; fair at first apart from scattered showers; rain later; mild.
13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate southerly wind, backing towards east later; variable cloud, local showers, perhaps rain tomorrow; mild.
17. N.W. Ireland 18. N.E. Ireland	As 7 - 12.
19. S.E. Ireland 20. S.W. Ireland	Freshening southeast wind, variable tomorrow; cloudy, some rain; mild.

GENERAL INFERENCE.

Pressure is highest over Southeast Europe and lowest over northern Norway and Iceland. A depression centred about 700 miles west of Scilly will move east and then northeast, and rain will spread northeastwards over the country after a short mainly fair interval.

FURTHER OUTLOOK.

Unsettled.

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. Pt. 304/2338. 6k. 75. D.600/. G.308. 27000. 11/31.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 5th November 1931.

No. 25550

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

District.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1009.7	+6	S'W	3	b	49	95	6	-	-	1	0	1	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1009.5	+6	SSW	3	bc	52	95	7	5	-	-	2.3	2.3	2500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1010.8	+8	SW'S	3	b	50	95	6	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1010.2	+10	SW	3	b	49	95	6	-	-	-	0	0	-
	Cranwell ...	240	1006.9	+14	SW'S	3	b	46	95	6	-	-	-	0	0	-
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1008.4	+6	SW	5	bc	56	75	7	4	6	-	2.3	2.3	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1007.5	+2	SW	3	bc	51	95	8	5	-	-	4.6	4.6	4000
	Scilly (St. Mary's)	163	1007.3	+20	SW'S	4	b	52	85	8	-	-	-	0	0	-
	Guernsey ...	175	1008.0	+2	SSW	1	b	54	95	9	-	-	-	0	0	—
6	Pembroke ...	142	1005.6	+4	SSW	3	bc	52	75	7	4	6	-	4.6	4.6	1500
7	Holyhead ...	26	1004.0	+4	S'W	2	bc	49	85	6	5	-	-	4.6	4.6	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1005.3	+10	WSW	4	bc	47	85	7	-	1	-	0	2.3	-
	Tynemouth ...	67	1003.5	+24	WSW	2	b	46	85	7	-	-	-	0	0	-
11	Inchkeith ...	190	1000.9	+52	SW	3	bc	47	85	8	5	-	-	2.3	2.3	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	995.7	+30	S	2	b	43	95	7	-	-	-	0	0	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	995.2	+68	WSW	3	bc	42	85	8	7	4	8	2.3	4.6	2500
16	Lerwick ...	54	1000.4	+60	WNW	2	c/pr	45	95	7	9	-	-	7.8	7.8	800
17	Blacksod Point	18	998.2	+4	S	4	PR	49	85	6	9	-	-	9+	9+	220
18	Malin Head ...	52	999.3	+6	SSW	2	bc	44	85	8	5	3	-	1	2.3	2500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1000.8	+10	WSW	4	bc	50	95	8	3	-	-	2.3	2.3	1500
	Roches Point ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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) ...	1010.7	+6	SSW	1	c/r	48	95	6	5	-	8	7.8	9	1500	1	*
Croydon ...	1010.5	+4	S'W	3	c	47	95	6	5	7	1	4.6	9+	4000	1	*
S. Farnborough	1010.3	+6	S	1	bc/r	47	95	6	5	-	8	4.6	4.6	2500	1	*
Winchester ...	1010.3	+6	ESE	1	fg	46	95	7	8	-	8	4.6	4.6	2500	1	*
Boscombe Down	1009.9	+8	S	2	ir0	44	95	6	5	—	-	(9+)	9+	1500	1	*
Calshot (S'thmtn)	1010.0	+2	S	3	c	52	85	6	9	-	8	4.6	7.8	2500	1	2
Dungeness ...	*	*	SW	3	c	*	*	7	8	1	*	4.6	7.8	1500	*	2
Lympne ...	1011.6	+8	SSW	3	bc	49	95	7	5	2	-	4.6	4.6	800	1	*
Shoeburyness	1011.1	+6	S'W	2	c	48	95	6	5	1	-	Tr	9+	5700	1	*
Felixstowe ...	1011.2	+10	S	3	c	50	95	7	-	1	6	0	7.8	-	0	2
Gorleston ...	1009.6	+6	SW'S	3	bc	49	95	6	4	7	-	4.6	4.6	2500	0	2
Cranwell ...	1008.7	+12	SSW	4	c	45	95	6	5	-	1	7.8	7.8	4000	1	*
Cardington ...	1007.4	-6	SSW	3	bc	46	95	6	5	1	1	2.3	4.6	4000	*	*
Birmingham ...	1008.8	+8	S	3	bc	46	95	8	5	7	-	2.3	4.6	450	1	*
Upper Heyford	1009.5	+10	S'W	2	bc/pr	43	95	6	6	-	8	2.3	4.6	1500	1	*
Leafield ...	1009.0	+6	S	3	fg	42	95	8	2	4	5	Tr	1	4000	1	*
Ross-on-Wye ...	1008.3	+6	S	2	bc	47	85	7	6	-	1	Tr	2.3	2500	1	*
Portland Bill ...	1008.7	+4	SW'S	3	c	55	85	6	8	6	8	7.8	10	1500	1	4
Plymouth ...	1008.0	0	SW'W	4	c	53	95	8	3	-	7	9	10	1500	1	2
Falmouth ...	1007.5	0	SW'S	3	c	52	95	8	8	-	-	10	10	4000	0	2
Scilly (St. Mary's)	1006.7	-4	SW'S	3	c	52	95	8	5	-	2	4.6	7.8	4000	1	2
Guernsey ...	1010.7	0	SSE	2	c	53	95	7	8	2	-	4.6	10	2500	0	3
Pembroke ...	1006.0	+8	SW	4	bc	53	95	8	8	4	-	4.6	4.6	1500	1	3
Holyhead ...	1005.0	+6	SW'W	4	bc/p	51	75	8	3	—	-	2.3	2.3	800	1	3
Chester (Sealand)	1006.2	+10	SSE	2	bc	44	95	6	5	-	-	4.6	4.6	4000	1	*
L'pool (Bidston)	1006.0	+8	SSE	3	bc	46	95	8	4	7	-	2.3	4.6	2500	0	*
Harrogate ...	1006.8	+6	S	1	b	44	95	4	5	-	-	1	1	4150	1	*
Spurn Head ...	1007.5	+4	SW'S	3	bc	45	95	6	-	7	-	0	2.3	-	1	3
Tynemouth ...	1005.3	+12	SW	2	bc	43	95	5	5	-	2	4.6	4.6	800	0	2
Inchkeith ...	1003.9	+10	W	1	c	45	85	8	5	-	-	9+	9+	2500	0	1
Leuchars ...	1004.2	+18	S	2	c	40	95	7	—	-	8	0	7.8	-	1	*
Renfrew ...	1003.8	+10	ENE	2	c	38	95	6	5	7	-	7.8	9+	4000	1	*
Eskdalemuir ...	1004.9	+6	-	0	c	38	95	8	5	3	-	7.8	9	1500	1	*
Tiree ...	998.3	0	S	5	c/pr	48	95	7	5	7	-	7.8	9	1500	1	3
Stornoway ...	998.1	+8	S	4	c	50	85	8	6	2	-	7.8	7.8	2500	0	2
Dalwhinnie ...	1003.0	+18	SE	3	c	38	85	8	4	-	-	7.8	7.8	800	0	*
Aberdeen ...	1003.7	+20	SW	2	bc	40	85	7	-	-	8	0	2.3	-	1	1
Wick ...	1000.3	+16	SW	3	bc	41	95	8	5	4	9	2.3	4.6	2500	0	3
Lerwick ...	998.8	+42	SW	1	c	45	85	7	9	-	-	7.8	7.8	1500	1	*
Blacksod Point	998.4	+4	S	3	c	50	75	8	3	-	-	7.8	7.8	450	1	3
Malin Head ...	998.9	0	S'W	4	bc	46	95	8	8	8	-	2.3	2.3	1500	0	2
Aldergrove ...	1001.6	0	S'W	3	bc	44	95	8	2	3	-	1	2.3	2500	1	*
Donaghadee ...	1001.7	0	SW	1	c	45	95	7	5	-	-	7.8	7.8	1500	1	0
Birr Castle ...	1001.7	+4	SW	1	b	40	95	8	-	4	-	0	1	-	1	*
Valentia Obsy.†	1001.4	-4	S	3	bc	48	95	8	8	—	-	4.6	4.6	2500	1	*
Roches Point ...	1000.3	+4	SW	2	c	53	85	8	5	-	-	7.8	7.8	2500	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 Hrs. (36)
London (Kew) ...	59	46	36	2	1	1.2
Croydon ...	59	47	44	3	Tr	1.0
S. Farnborough	58	47	38	9	2	2.2
Winchester ...	59	44	38	8	1	2.4
Boscombe Down	58	42	30	9	0.2	*
Calshot (S'thmtn)	58	50	44	3	1	0.7
Dungeness ...	58	52	*	1	Tr	*
Lympne ...	57	48	45	2	0.2	0.0
Shoeburyness	59	44	40	Tr	Tr	0.0
Felixstowe ...	58	48	43	Tr	-	0.1
Gorleston ...	59	47	44	-	-	0.0
Cranwell ...	58	42	40	1	-	3.1
Cardington ...	*	*	*	*	*	*
Birmingham ...	57	44	42	3	-	4.2
Upper Heyford	57	43	32	3	0.3	*
Leafield ...	~~58~~ 50	41	31	5	0.1	3.7
Ross-on-Wye ...	58	47	42	3	0.4	3.3
Portland Bill ...	58	54	*	5	1	*
Plymouth ...	58	~~44~~ 53	~~40~~ 50	Tr	-	4.2
Falmouth ...	58	50	*	0.2	-	6.7
Scilly (St. Mary's)	57	50	*	Tr	1	7.4
Guernsey ...	59	52	48	3	-	1.7
Pembroke ...	59	50	*	3	3	4.5
Holyhead ...	57	48	37	0.1	5	5.9
Chester (Sealand)	59	42	37	Tr	0.1	4.3
L'pool (Bidston)	56	45	43	1	0.1	3.7
Harrogate ...	56	42	35	1.6	0.1	2.6
Spurn Head ...	58	45	*	3	Tr	3.0
Tynemouth ...	57	43	35	-	-	*
Inchkeith ...	54	44	37	Tr	-	6.4
Leuchars ...	54	37	36	0.1	-	4.7
Renfrew ...	53	36	30	1	0.4	2.4
Eskdalemuir ...	51	34	30	1	-	1.6
Tiree ...	52	43	36	2	0.4	1.6
Stornoway ...	51	43	*	21	2	0.2
Dalwhinnie ...	(48)	33	23	~~45~~ +	-	0.0
Aberdeen ...	55	39	30	1	-	4.3
Wick ...	53	38	*	3	-	*
Lerwick ...	51	44	*	6	6	0.0
Blacksod Point	58	47	*	0.2	3	*
Malin Head ...	51	43	*	3	0.1	3.7
Aldergrove ...	53	40	35	0.5	0.1	2.6
Donaghadee ...	54	40	*	-	2	*
Birr Castle ...	54	40	29	0.3	0.2	4.4
Valentia Obsy.†	55	45	39	1	13	3.0
Roches Point ...	57	47	*	0.1	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	crm0c	bcb	b0crc	59	46	36	2	1	1.2	*	*	5
Croydon ...	217	crm0q	cbc	b30w	59	47	44	3	Tr	1.0	*	*	6
Greenwich (Royal Observatory) ...	149	cqr	cb	bwc	60	46	36	1	Tr	0.9	63	89	5
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*	1.0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	59	49	42		1	1.3	64	80	*
Regents Pk. (Botanic Gardens) ...	168	*	*	*	*	*	*	*	*	1.2	*	*	*
Camden Square ...	110	ccrc	c	*	60	49	40	1	1	*	85		*
Kensington ...	80	c0rbc	bc	*	60	48	37	1	0.5	1.1	At 18h. 78	86	*
Hampstead Observatory ...	450	or	bc	*	58	46	38	1	1	1.7	*	87	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 5th.

South Kensington. Max.	Time.	Min.	Time.	Kew Observatory. Max.	Time.	Min.	Time.
0.8	17h 42m	0.0	1h-2h 5m	0.3	6h 5m	<0.1	1h 5m

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 4th November. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 5th November. 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 ...	1013.8	S	6	ir0	63	1014.2	SSE	2	r/r	54	66	54	Tr	6
Brussels ...	1011.8	SW'S	4	r0r0	57	1014.2	SSW	2	c	52	64	50	0.4	7
Berlin ...	1017.7	S	4	b	50	1019.4	S'W	2	b	43	61	41	-	-
Zürich ...	1024.7	S	1	b	46	1023.6	E	1	bc	34	57	32	Tr	-
Rome ...						1027.9	NE	2	bc	43		39		0.5

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

† The observations are from Valentia W/T station.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 6th NOVEMBER 1931.

No. 25551

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0-10 (12)	Cloud. Amount. Total 0-10 (13)	Cloud. Height of Base (feet) (14)
1	London (Kew)...	1009.7	-1.6	S	3	c	56	85	7	8	-	9	7-8	9	2500
	Croydon ...	1010.0	-1.0	S	3	c	55	75	7	7	-	9	2-3	7-8	2500
	S. Farnborough	1009.2	-1.8	S	3	pr.	55	78 85	7	9	1	1	9	9	2500
	Winchester ...	1008.7	-1.8	SSW	3	pr	55	85	8	9	-	-	7-8	7-8	1500
	Boscombe Down	1008.8	-1.4	SSE	3	pr.	55	85	7	8	-	-	9+	9+	1500
	Calshot, S'thmtn	1010.1	-.6	SSW	3	c	57	75	8	8	5	8	4-6	7-8	1500
	Dungeness ...	*	*	S	2	c	*	*	7	8	1	*	7-8	9+	1500
	Lympne ...	1010.6	-1.4	S	3	c	53	95	6	5	2	-	9	10	1500
2	Shoeburyness	1010.8	-1.0	S'W	3	c	55	95	6	-	2	-	0	9+	-
	Felixstowe ...	1011.1	-.8	S	3	c	53	95	7	-	1	-	0	10	-
	Gorleston ...	1010.8	-.2	SSW	3	c	52	95	6	-	1	-	0	10	-
	Cranwell ...	1008.8	-.2	SSW	3	c	54	75	7	1	-	6	Tr	7-8	4000
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1008.3	-.2	SSW	2	c	51	85	6	6	2	-	2-3	7-8	1500
	Upper Heyford	1008.9	-.22	SSW	3	c/p	54	85	7	8	3	-	7-8	9	1500
	Leafield ...	1008.3	-.6	S	4	pr.	51	85	8	9	2	-	2-3	9+	1500
4	Ross-on-Wye ...	1007.8	-.4	S'W	2	c	54	75	8	9	1	8	7-8	9+	4000
5	Portland Bill...	1008.5	-.10	SSW	5	RR	52	85	6	6	2	-	9	10	1500
	Plymouth ...	1007.6	-.6	SW	3	c	56	85	9	8	6	-	9	9+	4000
	Falmouth ...	1007.0	-.4	SW'S	5	q	55	95	8	8	-	-	4-6	4-6	4000
	Scilly (St. Mary's)	1005.6	-.14	S	4	bc	58	85	8	2	4	-	2-3	4-6	4000
	Guernsey ...	1009.7	-.8	S	4	bc	58	85	8	8	4	-	2-3	4-6	2500
6	Pembroke ...	1008.7	+.4	SSW	2	c/pr	53	95	8	8	7	-	7-8	9+	1500
7	Holyhead ...	1005.5	-.4	S	3	u	55	85	8	3	9	3	2-3	9+	1500
	Chester (Sealand)	1007.0	-.6	SE'S	4	o	51	85	6	5	-	-	10	10	7200
8	L'pool (Bidston)	1007.0	+.4	SE'E	3	c	51	85	7	4	7	6	1	9+	1500
9	Harrogate ...	1006.8	0	SW'S	3	c	53	75	5	-	2	7	0	7-8	-
10	Spurn Head ...	1008.1	0	SW	2	bc	54	85	7	7	4	9	1	4-6	5700
	Tynemouth ...	1005.2	-.8	SSW	2	bc	53	75	6	5	-	-	4-6	4-6	800
11	Inchkeith ...	1004.0	+.4	SW	2	bc	53	85	8	1	3	-	2-3	4-6	4000
	Leuchars ...	1004.3	-.6	SW	1	c	49	85	7	5	6	1	9	9	1500
12	Renfrew ...	1003.8	-.6	SSW	3	bc	52	75	7	8	4	-	4-6	4-6	2500
	Eskdalemuir ...	1004.3	-.4	WSW	3	prha	47	85	8	9	-	-	9+	9+	1500
13A	Tiree	1000.0	-.2	S	4	c	51	95	8	8	-	1	7-8	7-8	2500
13B	Stornoway ...	998.5	0	S	3	c/r	47	95	8	9	9	6	4-6	9	2500
15	Dalwhinnie ...	1002.5	0	SE	4	bc	45	85	8	4	5	-	2-3	4-6	1500
	Aberdeen ...	1003.7	-.4	SSW	3	c	52	75	6	8	3	6	2-3	9	2500
	Wick	1001.7	+.4	SSE	5	c	48	75	8	5	7	8	7-8	9+	2500
16	Lerwick ...	1002.7	+.18	S'W	1	c	50	85	7	5	-	-	7-8	7-8	1500
17	Blacksod Point	998.2	-.6	S	4	bc	51	85	8	3	-	-	4-6	4-6	800
18	Malin Head ...	1000.2	-.2	S	4	b	51	85	8	1	8	3	Tr	1	2500
	Aldergrove ...	1002.4	-.6	S'E	3	b	52	75	8	1	-	8	1	1	2500
	Donaghadee ...	1002.9	+.2	WSW	2	bc	54	75	8	8	3	9	2-3	4-6	2500
19	Birr Castle ...	1001.2	-.10	S	2	bc	54	75	8	1	-	5	2-3	4-6	2500
20	Valentia Obsy.	998.3	-.30	S'E	4	c	54	85	8	6	2	-	4-6	10	1500
	Roches Point...	1001.6	-.12	SW	3	c	54	85	8	3	-	-	7-8	7-8	2500

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

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Cloud. Form. Med. (24)	Cloud. Form. High. (25)	Cloud. Amount. Low. 0-10 (26)	Cloud. Amount. Total 0-10 (27)	Cloud. Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1009.7	+.2	SSE	2	bc	50	95	5	1	6	-	1	2-3	4000	1	*
	Croydon ...	1009.9	+.2	S'E	3	bc	50	85	6	7	-	1	1	2-3	2500	1	*
	S. Farnborough	1009.3	0	S'E	3	c	50	95	6	4	7	8	1	7-8	4000	1	*
	Winchester ...	1008.9	+.6	S'E	3	c/PR	51	95	7	5	-	-	9+	9+	800	1	*
	Boscombe Down	1008.3	0	SSE	2	bc/pr	48	95	7	3	-	-	4-6	4-6	2500	1	*
	Calshot, S'thmtn	1010.3	+.2	SSE	2	c	54	95	7	8	3	-	4-6	7-8	1500	0	2
	Dungeness ...	*	*	SSW	2	c	*	*	7	8	1	*	4-6	7-8	1500	*	1
	Lympne ...	1010.9	+.6	S'E	2	bc	49	95	7	5	-	-	2-3	2-3	2500	1	*
2	Shoeburyness	1010.2	0	S'E	3	b	49	95	7	-	-	-	0	0	-	0	*
	Felixstowe ...	1010.7	0	SE	2	b	50	95	6	-	-	-	0	0	-	0	1
	Gorleston ...	1010.3	+.6	S'W	3	c	51	95	6	-	1	-	0	9+	-	0	1
	Cranwell ...	1008.6	0	SSE	2	c	44	95	6	5	3	1	2-3	7-8	5700	0	*
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1007.8	-.2	SSE	2	b	49	85	8	-	3	-	0	1	-	1	*
	Upper Heyford	1008.8	-.2	SSE	2	c	48	95	7	9	-	-	7-8	7-8	800	1	*
	Leafield ...	1007.7	0	SE'S	3	b	47	95	8	-	-	-	1	1	4000	1	*
4	Ross-on-Wye ...	1007.2	-.6	SE	2	b	50	85	6	5	-	-	1	1	2500	1	*
5	Portland Bill...	1007.4	-.2	SE'S	4	c	55	85	8	5	7	-	4-6	7-8	1500	2	3
	Plymouth ...	1006.2	-.10	S	3	c	54	95	7	4	-	1	7-8	7-8	2500	1	2
	Falmouth ...	1004.8	-.4	S'W	5	q	54	95	7	8	-	-	7-8	7-8	4000	0	3
	Scilly (St. Mary's)	1003.2	-.6	S'E	5	c	53	95	7	4	6	-	4-6	7-8	4000	0	2
	Guernsey ...	1008.7	0	SSE	1	b	54	95	8	-	-	-	0	0	-	0	2
6	Pembroke ...	1003.2	-.8	S	3	c	54	95	7	8	6	-	4-6	7-8	1500	0	2
7	Holyhead ...	1004.7	-.10	SSE	5	c	51	85	8	6	-	8	Tr	7-8	800	1	2
	Chester (Sealand)	1006.0	-.2	SE	3	b	46	95	6	5	-	1	1	1	4000	1	*
8	L'pool (Bidston)	1005.5	-.2	SE'E	3	bc	49	85	5	5	-	1	2-3	4-6	1500	0	*
9	Harrogate ...	1007.5	0	S	1	b	47	95	5	5	-	-	1	1	2500	1	*
10	Spurn Head ...	1007.9	0	S'E	3	c	50	95	6	5	1	-	2-3	7-8	4000	0	2
	Tynemouth ...	1005.8	+.4	S	2	bc	48	85	5	5	-	-	4-6	4-6	800	0	2
11	Inchkeith ...	1004.6	+.6	S	2	bc	48	95	8	5	-	-	2-3	2-3	2500	0	1
	Leuchars ...	1004.9	+.10	SSW	1	b	44	95	7	4	8	1	1	1	2500	1	*
12	Renfrew ...	1004.5	+.6	SE	3	b	41	95	7	-	-	1	0	Tr	-	1	*
	Eskdalemuir ...	1005.3	+.6	SW	3	bc	42	95	8	5	-	-	2-3	2-3	1500	1	*
13A	Tiree	999.3	-.12	SSE	5	bc	49	85	7	5	2	7	Tr	4-6	2500	0	3
13B	Stornoway ...	999.2	+.6	S	4	pr	48	95	7	9	-	-	7-8	7-8	1500	1	2
15	Dalwhinnie ...	1003.0	-.2	S	1	c	40	95	5	4	-	-	7-8	7-8	450	0	*
	Aberdeen ...	1004.6	+.8	-	0	bc	47	85	6	7	-	-	4-6	4-6	2500	1	1
	Wick	1001.3	-.2	SSE	3	bc	49	85	8	5	8	8	2-3	4-6	2500	0	3
16	Lerwick ...	1003.4	+.8	S'W	2	c	49	85	7	5	-	-	9+	9+	1500	1	*
17	Blacksod Point	993.2	-.22	E	5	c	52	85	7	-	7	-	0	10	-	0	4
18	Malin Head ...	997.4	-.14	S'E	5	bc	49	95	7	5	7	-	2-3	4-6	2500	0	2
	Aldergrove ...	1001.0	-.6	ESE	3	c	48	85	7	5	2	-	4-6	10	2500	1	*
	Donaghadee ...	1001.3	-.6	SW	2	bc	52	85	7	5	-	-	4-6	4-6	1500	0	1
19	Birr Castle ...	996.9	-.14	S	2	c	51	85	8	6	2	-	7-8	10	1500	1	*
20	Valentia Obsy.	990.7	-.50	SSE	7	16	54	85	7	6	2	-	4-6	10	1500	1	4
	Roches Point...	998.2	-.20	SW	5	c	54	85	8	6	-	-	9	9	2500	0	5

PAST 24 HOURS.

District	Stations.	Weather 7h.–13h. 5th (37)	Weather 13h.–18h. 5th (38)	Weather 18h. 5th to 1h. 6th (39)	Weather 1h.–7h. 6th (40)
1	London (Kew)...	cm.c	bcbm.	bmw	cm.w
	Croydon ...	cpr.cm.⊕	cpr.bcm.	bm.w	b.cm.w
	S. Farnborough	bccp.	cp.bc	bwm.c	bcwcr.
	Winchester ...	bccr.bc	cpr PRc	cr.cbc	bcc
	Boscombe Down	cpr.	cpr.	bcb	bcwm.
	Calshot, S'thmtn	bccpre	cbcc	bwm.bc	bcc
	Dungeness ...	c	c	*	o
	Lympne ...	bccm.	cbc	bom.	ofd.cm.
2	Shoeburyness	cm.	cm.bc	b	bccw
	Felixstowe ...	bcw	cbcm.	bw	bwbcc
	Gorleston ...	bccm.	cm.	bcw	bc
	Cranwell ...	bm.bc	bccm.	bmofc	d.ecm
3	Cardington ...	*	*	*	cbcm.w
	Birmingham ...	bc	cbc	bbc	bcc
	Upper Heyford	bccir.	crbcjp	cbccw	ocr.
	Leafield ...	bccp.	cPbc	bcc	cor.
4	Ross-on-Wye ...	bc	cr.cb	bwbc	bc
5	Portland Bill...	cirRRm.	cRRiRc	bc	bcc
	Plymouth ...	crcv	cvbc	bc	bcc
	Falmouth ...	cp.bcq	bccq	bcq	bccq
	Scilly (St. Mary's)	cp.bc	bcc	cbc	bccor
	Guernsey ...	cbcc	bcb	bbc	bccwo
6	Pembroke ...	cqp	c	bcq	bcq
7	Holyhead ...	pr.bc	pr	bcc	bc
	Chester (Sealand)	bbcm.	cbcm.	bm.	bbcpr.
8	L'pool (Bidston)	bcc	cbcm.	bcb	bwbc
9	Harrogate ...	bbcc	cb	bm	bomido
10	Spurn Head ...	bc	bcc	bcw	ofd
	Tynemouth ...	bcffm	bc	bcc	cop.q
11	Inchkeith ...	cbc	bc	bc	bcc
	Leuchars ...	cwm.r.r.	cbcbw	bbcw	cwm.
12	Renfrew ...	cmirc	cb	bbcc	cbcc
	Eskdalemuir ...	crrcprh	cprhbc	bcc	cbcw
13A	Tiree	PRc	cbcc	bcc	cirR
13B	Stornoway ...	cir	c	bc	c
15	Dalwhinnie ...	bc	c	.	c
	Aberdeen ...	bc3.c	cbc	bcb	bbcir.
	Wick	bc	cbc	bc	bcc
16	Lerwick ...	c	c	cir.bc	bccm.
17	Blacksod Point	prc	prcq	rr	c
18	Malin Head ...	bc	bc	bcc	coir
	Aldergrove ...	b	bcc	c	crr
	Donaghadee ...	cbc	bc	prcq	cq
19	Birr Castle ...	bbc	bcc	corr	orrc
20	Valentia Obsy.	bccprbcc	cir	Rirbc	bc
	Roches Point...	c	cpc⊕	corr	oircir

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
f_s, fog over sea (coast station).
f_g, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s_o, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s_o/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

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

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.

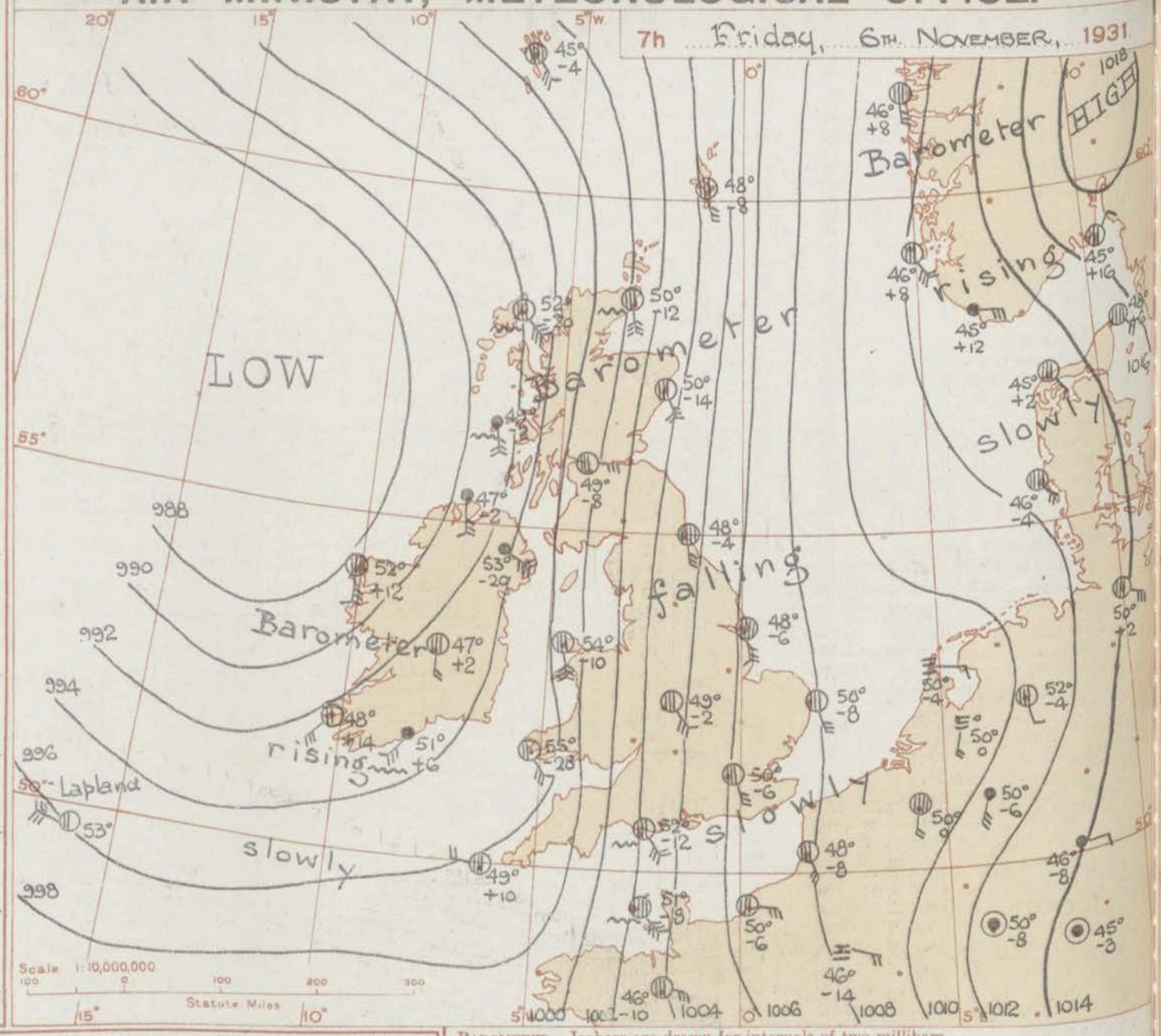
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 5th November 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	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.	co	opoc	43	55	0.3	trace	0.0
	Bournemouth	orbc	cbro	48	58	3	1	2.0
	Ventnor ...	orc	cpc	49	58	3	2	2.0
	Southsea ...	cbc	bbcp	47	59	1	trace	2.4
	Bognor Regis	cbcc	cbcbc	51	56	2	–	1.8
	Littlehampton	cbc	bc	50	57	1	–	1.6
	Worthing ...	oc	cobc	52	58	1	–	1.7
	Brighton ...	cbccr	cbc	52	56	1	trace	1.5
	Eastbourne†	co	ocb	51	56	0.3	–	0.5
	Hastings† ...	zoo	cbcc	50	55	0.3	–	0.0
	Folkestone ...	rom	o	52	(54)	0.2	–	0.0
	Dover... ...	oc	cbc	53	55	0.3	–	0.0
	Deal	coc	o	51	55	1	–	0.0
	Ramsgate ...	c	cbc	51	54	–	–	0.7
	Margate ...	c	cbc	50	55	–	–	0.1
2	Southend ...	bccb	cb	47	55	trace	–	0.0
	Maldon ...	wc	c	44	56	–	–	0.5
	Clacton-on-Sea	bcc	cbc	50	52	–	–	0.0
	Dovercourt ...	wbcc	bcc	48	54	–	–	0.0
	Lowestoft ...	bcic	icbc	50	53	–	–	0.5
	Skegness ...	ombc	bcm	44	55	0.2	–	5.7
	Mablethorpe	wbc	bcm	41	56	–	–	5.4
	Cleethorpes ...	wb	b	44	57	trace	–	5.5
3	Leamington S.	c	c	44	56	–	–	3.4
4	Cheltenham†	cbc	bcb	46	56	0.3	–	3.1
5	Bath	cbbr	cbcp	44	55	–	2	1.7
	Weymouth ...	rcbcr	rrc	52	59	0.3	7	1.3
	Jersey ...	rcbc	bc	52	59	trace	–	4.7
	Torquay ...	pwcm	crpbm	44	58	0.3	4	3.6
	Penzance ...	b	b	49	57	0.5	..	5.0
	St. Ives ...	p	c	50	59	2	0.3	2.6
	Bude	c	c	45	57	0.6	–	3.4
	Ilfracombe ...	oc	ocbc	48	56	1	–	1.7
6	Aberystwyth	cpbc	ephrc	48	55	0.3	5	2.3
7	Llandudno ...	c	c	46	56	3	–	1.6
	Colwyn Bay ...	cb	cbc	44	56	3	–	2.5
	Rhyl	bbcpc	bcpr	42	56	2	0.4	2.6
8	Wallasey ..	bzbc	cbc	*	54	trace	–	2.5
	Southport‖ ...	pcc	cbc	44	53	0.1	–	3.1
	Blackpool ...	bc	c	44	53	1	–	3.0
	Morecambe ...	rpbcc	bbcbc	42	54	1	–	3.7
9	Ilkley... ...	b	bccb	40	52	trace	–	2.8
10	Berwick-on-T.	opc	brc	42	52	–	0.3	2.3
11	Dunbar ...	bc	bcbr	44	54	–	trace	3.7
12	Douglas ...	cbbc	bcirc	43	54	4	1	5.6

† 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 1/8 clouded. ◕ Sky 1/10 to 1/10 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.

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

Districts.	Forecasts
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Moderate southerly to light variable wind; cloudy, occasional slight rain; local mist or possibly fog later; mild.
5. S.W. England 6. South Wales	Wind veering west, mainly moderate, tending to back again tomorrow; occasional rain; bright intervals locally; mild.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Fresh southerly wind, falling light later; cloudy, occasional slight rain; local mist or possibly fog later; mild.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland	Fresh or strong southerly wind, moderating later and veering somewhat; rain at first, showers later; mild.
15. N.E. Scotland	Strong southerly wind, moderating later; cloudy, slight rain; mild.
16. Orkneys and Shetlands.	Strong to gale southerly wind, moderating later; cloudy, slight rain; mild.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate southwest or west wind, tending to back tomorrow; showers and bright intervals; rather mild.

GENERAL INFERENCE.

A depression off our northwest coasts is moving slowly northeast, together with an associated trough extending to Southern France. These systems are likely to become almost stationary and fill up, while an anticyclone over Scandinavia moves northeastward but continues to develop considerably. Weather will be unsettled but rainfall will be small in most districts.

FURTHER OUTLOOK.

Unsettled.

Time of Issue of Gale Warning.

South cone at 0830 on 6th in district 16.

Forecasts issued at 0940 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

Friday, 6th NOVEMBER 1931.

No. 25551

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

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	1008.3	-8	SSE	3	bc	49	95	6	S	-	-	2.3	2.3	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1008.2	-10	SSE	4	b	52	95	7	S	-	-	1	1	2500
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1008.8	-2	S	2	o	50	95	5	S	-	-	10	10	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1009.2	-6	S'W	2	bc	51	95	6	-	1	-	0	4.6	-
	Cranwell	240	1007.3	-6	SE'S	3	of	44	95	2	-	-	-	10	10	<150
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1005.1	-6	S'E	5	bc	55	85	8	2	-	-	2.3	2.3	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1001.4	-12	S'E	7	q	55	95	8	5	-	-	4.6	4.6	4000
	Scilly (St. Mary's)	163	997.6	-24	S'E	6	bc	54	95	6	5	-	-	4.6	4.6	4000
	Guernsey	175	1006.3	-12	SE	3	bc	53	95	7	5	-	-	4.6	4.6	2500
6	Pembroke	142	999.2	-20	SSE	4	b	54	95	7	4	1	-	T 2.3	2.3	800
7	Holyhead	26	1001.2	-12	S'E	6	q	52	85	7	5	-	-	4.6	4.6	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1007.0	-2	S	4	bc	47	95	5	5	-	-	4.6	4.6	1500
	Tynemouth	67	1005.1	-12	SW	2	c	46	95	5	5	-	-	7.8	7.8	2500
11	Inchkeith	190	1004.2	-4	SE	2	bc	46	95	8	5	-	-	2.3	2.3	2500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	996.4	-10	SSE	5	bc	50	85	7	8	-	-	4.6	4.6	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1007.0	0	S	4	bc	48	85	8	5	-	8	2.3	2.3	4000
16	Lerwick	54	1003.9	+4	S	2	bc	49	85	7	5	-	-	4.6	4.6	1500
17	Blacksod Point	18	987.5	-10	S	7	q	52	86	7	9	-	-	10	10	<150
18	Malin Head	52	992.0	-26	SE	5	c	52	85	7	5	1	-	2.3	10	2500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	989.6	0	SW	4	c	50	95	6	3	-	-	10	10	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1006.2	-4	SSW	2	c	49	95	5	5	8	-	7.8	7.8	1500	1	*
Croydon	1006.5	-4	S'E	3	c	50	95	6	5	-	-	9'	9	1500	1	*
S. Farnborough	1005.2	-6	SSE	2	c/r	50	95	7	5	1	-	9	9+	2500	1	*
Winchester	1004.8	-4	SSE	3	c	50	95	7	5	-	-	9+	9+	800	1	*
Boscombe Down	1004.1	-4	SE	3	c	47	95	6	5	-	-	(9+)	9+	1500	1	*
Calshot (S'thmtn)	1006.0	-4	SE	4	c	52	95	7	5	-	-	10	10	1500	0	2
Dungeness	*	*	SE	3	c	*	*	7	5	2	*	7.8	9+	1500	*	2
Lympne	1007.2	-6	S'E	2	o	49	95	6	5	-	-	10	10	1500	1	*
Shoeburyness	1007.2	-10	SE	2	c	50	95	6	5	2	-	7.8	9+	2500	0	*
Felixstowe	1008.0	-10	SE	2	c	50	95	7	5	-	-	10	10	2500	0	1
Gorleston	1007.9	-8	SSE	3	c	50	85	6	4	-	-	7.8	7.8	2500	0	2
Cranwell	1005.7	-10	SE'S	4	f	46	95	2	5	-	-	10	10	<150	1	*
Cardington	1005.7	-6	SSE	4	c	49	95	6	5	3	5	7.8	9	2500	*	*
Birmingham	1003.9	-2	SE	4	c	49	95	8	5	-	-	9	9	450	1	*
Upper Heyford	1004.7	-2	SSE	4	c/r	50	95	6	5	-	-	9+	9+	450	1	*
Leafield	1003.4	-6	SE	4	o/r	48	95	4	5	-	-	10	10	<150	1	*
Ross-on-Wye	1002.5	-6	SSE	3	bc	50	85	7	1	-	1	4.6	4.6	4000	1	*
Portland Bill	1002.1	-12	SE'S	5	c	52	95	8	8	2	-	7.8	10	1500	1	4
Plymouth	999.4	-10	SSE	6	c	54	85	7	5	-	7	4.6	10	1500	1	3
Falmouth	996.7	-10	S'E	7	q	55	95	7	8	-	-	10	10	4000	0	4
Scilly (St. Mary's)	996.1	+10	WNW	2	c/r	49	95	7	8	1	-	4.6	7.8	4000	1	3
Guernsey	1003.5	-8	SE	6	c	51	95	8	8	-	-	10	10	2500	0	4
Pembroke	995.8	-28	SE	5	bc	55	95	8	4	1	-	2.3	4.6	1500	0	3
Holyhead	997.9	-10	SSE	6	c	54	75	8	5	-	6	1	9	2500	1	3
Chester (Sealand)	1000.8	-8	SE	4	bc	49	95	6	5	3	-	2.3	4.6	4000	1	*
L'pool (Bidston)	1000.2	-6	ESE	4	bc	49	95	6	5	-	5	2.3	2.3	2500	0	*
Harrogate	1004.4	-6	SE	3	o	46	95	4	5	-	-	10	10	<150	1	*
Spurn Head	1006.1	-6	S	4	c/d	48	95	5	5	2	-	4.6	9+	1500	1	3
Tynemouth	1003.3	-4	S	3	o	48	95	6	6	-	-	10	10	1500	1	2
Inchkeith	1000.9	-4	SE	3	c	49	85	7	5	9	9	4.6	9	2500	0	2
Leuchars	1001.9	-2	SE	4	c	47	85	5	-	3	8	0	9	-	1	*
Renfrew	999.0	-8	E	3	c	49	75	7	5	-	-	9	9	1500	1	*
Eskdalemuir	1000.2	-8	S'E	4	bc	45	85	8	5	-	-	4.6	4.6	2500	1	*
Tiree	990.4	-2	SSE	5	r	49	95	7	6	2	-	7.8	10	1500	1	4
Stornoway	991.5	-20	SE	6	c	52	85	7	5	2	-	4.6	9+	2500	1	4
Dalwhinnie	993.6	-4	NE	2	c	45	85	8	4	-	-	7.8	7.8	800	1	*
Aberdeen	1001.2	-14	SSE	5	c	50	85	6	6	3	-	7.8	9	1500	1	2
Wick	998.1	-12	SSE	6	c	50	95	7	9	2	-	7.8	9	1500	0	4
Lerwick	1003.4	-8	SSE	3	c	48	95	6	5	7	-	4.6	7.8	800	0	*
Blacksod Point	988.2	+12	S	4	c	52	75	7	5	-	-	10	10	<150	0	3
Malin Head	990.1	-2	S	4	r	47	95	7	6	-	-	10	10	1500	1	2
Aldergrove	992.2	-20	ESE	5	rr	53	85	6	6	2	-	9	10	800	1	*
Donaghadee	993.6	-16	SW	6	q	54	85	7	5	-	-	9	9	1500	0	3
Birr Castle	992.2	+2	SSW	2	c	47	95	7	6	1	-	4.6	10	1500	1	*
Valentia Obsy.†	991.9	+14	SW	3	bc	48	85	8	8	3	-	2.3	4.6	2500	1	*
Roches Point	993.7	+6	SW	4	ir	51	95	8	6	-	-	7.8	7.8	1500	1	5

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 5th Hrs. (36)
London (Kew)	57	46	37	Tr	0.1	2.4
Croydon	57	48	43	0.1	0.1	1.3
S. Farnborough	58	47	39	0.3	Tr	3.0
Winchester	58	48	45	4	Tr	1.7
Boscombe Down	56	44	40	1	0.1	*
Calshot (S'thmtn)	58	50	47	2	-	3.3
Dungeness	54	50	*	-	-	*
Lympne	53	49	45	-	0.1	0.0
Shoeburyness	56	40	30	-	Tr	0.5
Felixstowe	53	47	42	-	Tr	0.0
Gorleston	54	49	45	-	-	0.0
Cranwell	55	41	36	-	Tr	4.8
Cardington	*	*	*	*	*	*
Birmingham	52	46	42	-	-	2.2
Upper Heyford	54	50	43	0.5	Tr	*
Leafield	53	45	42	2	0.1	1.8
Ross-on-Wye	57	49	44	1	-	2.5
Portland Bill	57	52	*	8	-	*
Plymouth	58	53	50	0.1	-	2.4
Falmouth	58	54	*	1	-	4.0
Scilly (St. Mary's)	59	49	*	Tr	4	7.3
Guernsey	58	51	49	-	-	3.9
Pembroke	56	52	*	1	-	2.4
Holyhead	56	51	46	0.6	-	2.4
Chester (Sealand)	54	42	37	-	Tr	3.7
L'pool (Bidston)	52	46	43	-	-	3.1
Harrogate	53	43	40	-	Tr	2.3
Spurn Head	56	46	*	-	Tr	4.9
Tynemouth	53	45	37	-	Tr	*
Inchkeith	55	45	38	0.3	-	3.3
Leuchars	53	38	30	0.2	-	2.5
Renfrew	53	39	34	1	-	3.5
Eskdalemuir	49	36	31	9	-	0.7
Tiree	51	48	46	1	2	2.6
Stornoway	50	47	*	11	0.4	0.7
Dalwhinnie	(46)	40	34	-	1	0.0
Aberdeen	52	42	32	-	0.1	3.3
Wick	49	47	*	-	-	*
Lerwick	51	(48)	*	-4	Tr	4.3
Blacksod Point	53	50	*	3	4	*
Malin Head	53	47	*	-	3	6.9
Aldergrove	52	47	45	-	0.3	6.9
Donaghadee	54	51	*	-	0.3	*
Birr Castle	54	47	45	-	10	3.3
Valentia Obsy.†	54	47	42	0.5	8	0.2
Roches Point	56	50	*	0.2	12	*

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 c	bc bm	bwcw	57	46	37	Tr	0.1	2.4	*	*	6
CROYDON	217	cp c cm ⊕	cp c bcm	bm cw	57	48	43	0.1	0.1	1.3	*	*	6
GREENWICH (Royal Observatory)	149	c ⊕	cb	bwmc	59	44	30	-	Tr	1.8	75	91	6
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	2.0	*	*	*
WESTMINSTER (St. James' Park)	27	*	*	*	58	48	41	-	-	2.7	70	80	*
REGENTS PK. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	2.0	*	*	*
CAMDEN SQUARE	110	bcc	c	*	58	47	38	-	-	*	At 18h. 89		*
KENSINGTON	80	bc	bc	*	59	46	35	-	Tr	2.2	91	84	*
HAMPSTEAD OBSERVATORY	450	bc	of	*	56	45	39	-	Tr	2.9	*	87	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

SOUTH KENSINGTON.

Max.	Time	Min.	Time
1.3	8h 5m	<0.3	1h-5h 6h

KEW OBSERVATORY.

Max.	Time	Min.	Time
0.6	20h 5m	<0.1	4h 6h

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 5th November Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 6th November 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	1011.8	SSE	3	c	52	1008.6	ESE	2	f	46	55	46	14	Tr
BRUSSELS	1011.4	S	3	r	52	1019.8	SSW	2	o	50	54	48	7	3
BERLIN	1018.2	SSE	1	b	48	1013.7	SSE	2	c	48	52	*	-	*
ZÜRICH	1018.7	NE	1	bc	46	1015.5	NNW	1	c	41	59	39	-	-
ROME	1025.7	SSW	2	b	52						68		-	

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

† Hr observations are from Valentia W/T station.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 7th November 1931.

No. 25552

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

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)	5th-Sunshine Hrs. (36)
1	London (Kew) ...	1003.1	-28	SE	3	c	55	65	6	4	-	-	7-8	7-8	2500	2.4
	Croydon ...	1003.4	-26	SSE	3	c	54	75	7	7	-	-	7-8	7-8	2500	1.3
	S. Farnborough	1002.4	-20	SE	4	bc	54	75	8	7	-	-	4-6	4-6	1500	3.0
	Winchester ...	1001.6	-20	SE'E	4	c	53	85	8	8	5	-	4-6	7-8	1500	1.7
	Boscombe Down	1001.4	-18	SE	4	c	52	85	7	5	3	-	7-8	9+	800	*
	Calshot, S'thmtn	1002.7	-18	ESE	5	c	53	85	7	5	6	-	4-6	9+	1500	3.3
	Dungeness ...	*	*	SE	2	c	*	*	7	8	-	*	7-8	7-8	1500	*
	Lympne ...	1004.0	-30	SE	3	bc	52	75	7	7	-	-	4-6	4-6	1500	0.0
2	Shoeburyness	1004.9	-20	ESE	3	c	51	95	7	5	2	-	7-8	9+	2500	0.5
	Felixstowe ...	1006.0	-20	ESE	2	c	49	95	7	5	-	-	10	10	450	0.0
	Gorleston ...	1005.3	-16	S'W	3	id$_o$	49	95	6	5	-	-	9+	9+	1500	0.0
	Cranwell ...	1003.5	-14	SSE	4	c	51	85	7	5	-	-	9+	9+	1500	4.8
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1002.3	-10	SSE	3	c$_{jp}$	53	75	8	6	-	-	7-8	7-8	1500	2.2
	Upper Heyford	1002.7	-12	SE	3	c	53	75	8	5	-	-	9	9	1500	*
	Leafield ...	1001.1	-20	SE'S	5	c	52	85	8	1	3	-	7-8	7-8	2500	1.8
4	Ross-on-Wye ...	1000.6	-10	S	4	0	53	75	7	5	-	-	10	10	2500	2.5
5	Portland Bill...	1000.6	-12	S'W	5	c$_{jp}$	54	85	8	6	2	-	7-8	10	1500	*
	Plymouth ...	999.8	+6	-	0	c/r	53	95	7	8	-	-	10	10	1500	2.4
	Falmouth ...	999.6	0	SW'S	2	c	52	95	8	5	2	-	7-8	10	4000	4.0
	Scilly (St. Mary's)	999.1	+2	SW'W	3	c	53	85	7	8	7	3	2-3	7-8	4000	7.3
	Guernsey ...	1001.2	-14	SSE	3	r$_o$r$_o$	52	95	6	6	-	-	10	10	1500	3.9
6	Pembroke ...	997.6	+16	SSE	3	c	52	95	7	4	6	-	4-6	7-8	800	2.4
7	Holyhead ...	998.2	+6	W	3	iR	49	95	6	9	-	-	10	10	800	2.4
	Chester (Sealand)	999.9	-10	SE	4	bc	54	75	7	5	-	1	4-6	4-6	4000	3.7
8	L'pool (Bidston)	999.2	+4	ESE	4	bc	53	75	8	7	8	1	2-3	4-6	2500	3.1
9	Harrogate ...	1002.7	-6	SE	3	bc	51	85	5	5	-	-	2-3	2-3	2500	2.3
10	Spurn Head ...	1003.9	-6	SSE	5	c	50	95	7	4	7	-	4-6	7-8	2500	4.9
	Tynemouth ...	1002.6	-4	S	3	0	50	85	7	6	-	-	10	10	1500	*
11	Inchkeith ...	1000.4	-6	SE	3	c	50	95	7	7	4	1	4-6	7-8	4000	3.3
	Leuchars ...	1000.9	-6	SE	4	c	51	85	6	1	3	8	1	7-8	2500	2.5
12	Renfrew ...	997.6	-6	SSE	5	q	55	75	7	5	3	1	7-8	9+	2500	3.5
	Eskdalemuir ...	998.7	-6	S'E	4	bc	51	75	6	1	-	2	2-3	4-6	2500	0.7
13A	Tiree	991.4	+6	SSE	6	c	51	85	8	5	7	8	2-3	10	1500	2.6
13B	Stornoway ...	990.4	+6	S	6	c	51	95	7	6	2	-	7-8	9+	1500	0.7
15	Dalwhinnie ...	996.8	0	SE	5	c	48	75	6	4k	-	-	7-8	7-8	1500	0.0
	Aberdeen ...	1000.9	-10	SSE	4	c	50	85	7	5	-	-	9+	9+	1500	3.3
	Wick	997.5	-10	SSE	8	c	50	95	7	5	1	-	7-8	10	1500	*
16	Lerwick ...	1002.5	-6	S	5	c	50	85	6	5	2	-	4-6	10	1500	4.3
17	Blacksod Point	991.4	+20	WSW	5	q	53	75	8	3	-	-	4-6	4-6	800	*
18	Malin Head ...	992.3	+8	S'E	4	c	52	85	7	5	7	-	2-3	7-8	1500	6.9
	Aldergrove ...	995.2	+10	SSE	3	c/r$_o$	49	85	8	5	1	-	4-6	9+	800	6.9
	Donaghadee ...	995.8	+8	SSW	2	rr	49	95	7	5	-	-	9+	9+	800	*
19	Birr Castle ...	995.2	+14	SSW	2	c	53	75	8	1	-	5	4-6	7-8	2500	3.3
20	Valentia Obsy.	996.1	+18	SW'W	1	pr$_o$	50	75	8	9	-	-	9	9	2500	0.2
	Roches Point...	997.1	+20	SW	3	bc	53	75	8	3	-	-	2-3	2-3	2500	*

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

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) ...	1002.2	-2	ESE	3	c	51	75	6	5	-	-	9	9	2500	1	*
	Croydon ...	1002.6	-2	SSE	3	c	50	85	6	5	-	-	7-8	7-8	2500	1	*
	S. Farnborough	1001.7	-2	SE'S	1	c	49	85	6	5	-	-	9+	9+	1500	1	*
	Winchester ...	1001.4	0	SE	3	c/r$_o$	50	95	7	5	-	-	10	10	800	1	*
	Boscombe Down	1001.0	-2	SE'S	4	0	50	95	7	5	-	-	10	10	800	1	*
	Calshot, S'thmtn	1001.5	0	SE'E	3	c/pr	53	95	7	8	7	-	7-8	9	1500	1	2
	Dungeness ...	*	*	SSE	2	c	*	*	7	8	2	*	4-6	9	1500	*	2
	Lympne ...	1002.6	-4	SE	3	0	50	95	7	5	-	-	10	10	800	1	*
2	Shoeburyness	1003.2	-6	ESE	2	c	50	95	6	7	-	-	9+	9+	1500	0	*
	Felixstowe ...	1003.9	-10	SE	3	c	51	95	7	5	-	-	10	10	1500	1	2
	Gorleston ...	1003.8	0	S	3	c	51	85	6	4	-	-	7-8	7-8	2500	0	2
	Cranwell ...	1002.8	+2	SE	3	c	47	95	6	5	-	1	9	9+	2500	0	*
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1001.5	0	SE	2	c	51	85	7	5	-	-	10	10	2500	1	*
	Upper Heyford	1001.7	-2	SE	1	bc	49	85	7	5	1	-	4-6	4-6	2500	1	*
	Leafield ...	1000.9	-6	SE	3	c	48	95	7	5	-	-	7-8	7-8	4000	1	*
4	Ross-on-Wye ...	1000.8	0	E	1	r$_o$r$_o$	48	95	6	6	-	-	10	10	800	1	*
5	Portland Bill...	1000.9	+12	NW	3	RR	51	85	6	5	-	-	10	10	1500	1	4
	Plymouth ...	1000.6	+6	-	0	rr	50	95	6	8	2	-	7-8	9	1500	1	2
	Falmouth ...	1000.3	+4	W'S	2	c	51	95	8	3	2	-	4-6	7-8	4000	1	2
	Scilly (St. Mary's)	1001.0	+12	WSW	3	bc	50	75	7	2	4	-	2-3	2-3	4000	1	3
	Guernsey ...	1001.3	+8	W	1	r$_o$r$_o$	49	95	7	6	-	-	10	10	1500	1	3
6	Pembroke ...	999.8	+10	SW	3	bc	53	95	7	4	6	1	4-6	4-6	1500	1	2
7	Holyhead ...	1000.2	+10	S'E	3	c	50	95	8	2	7	-	2-3	9+	1500	1	1
	Chester (Sealand)	1000.4	+10	SE	2	id$_o$	49	95	5	6	-	-	10	10	1500	1	*
8	L'pool (Bidston)	1000.1	+4	SSE	2	d$_o$d$_o$	50	95	7	5	-	-	10	10	2500	1	*
9	Harrogate ...	1002.2	-6	SSE	3	c	46	95	5	-	2	-	0	7-8	-	1	*
10	Spurn Head ...	1002.8	-2	S'E	3	c	49	95	7	7	7	-	2-3	7-8	4000	0	2
	Tynemouth ...	1001.4	-8	SSE	3	bc	50	95	6	2	-	-	4-6	4-6	2500	0	2
11	Inchkeith ...	998.9	-4	SE	3	c	50	85	7	5	7	-	4-6	9+	2500	0	2
	Leuchars ...	1000.0	-2	SE	4	c	49	85	6	5	7	8	4-6	7-8	2500	1	*
12	Renfrew ...	998.5	+6	-	0	ir$_o$	47	95	7	5	2	-	9	10	2500	1	*
	Eskdalemuir ...	998.7	+2	S'E	4	c	50	75	6	5	-	-	10	10	1500	0	*
13A	Tiree	992.9	+10	SSE	6	c	50	85	8	5	-	8	4-6	7-8	1500	0	4
13B	Stornoway ...	990.3	+6	S	7	bc	52	85	8	6	7	-	4-6	4-6	1500	1	5
15	Dalwhinnie ...	997.7	0	SW	5	r	47	85	5	6	-	-	7-8	7-8	450	1	*
	Aberdeen ...	1000.2	+2	SSE	5	c	51	85	6	5	-	-	9	9	1500	1	3
	Wick	996.3	-2	SSE	8	c	51	85	7	5	1	-	7-8	10	1500	0	4
16	Lerwick ...	1001.5	0	SSE	7	c	50	85	7	5	2	-	4-6	10	1500	0	*
17	Blacksod Point	994.6	+20	WSW	4	iR	50	85	7	6	-	-	10	10	1500	1	4
18	Malin Head ...	993.7	+12	S'E	4	bc	50	85	7	7	9	-	2-3	4-6	1500	0	2
	Aldergrove ...	997.3	+12	SE'S	3	bc	48	85	8	5	4	-	2-3	4-6	1500	1	*
	Donaghadee ...	997.0	+10	WSW	1	c	48	95	7	8	2	-	4-6	7-8	2500	1	0
19	Birr Castle ...	997.7	+14	S	1	bc	45	85	8	-	3	-	0	2-3	-	1	*
20	Valentia Obsy.	999.1	+10	E	2	bc	48	85	8	8	-	1	4-6	4-6	2500	1	3
	Roches Point...	999.1	+18	W	3	bc	50	75	8	3	-	-	2-3	2-3	2500	0	4

PAST 24 HOURS.

Stations.	Weather. 7h.—13h. 6th (37)	Weather. 13h.—18h. 6th (38)	Weather. 18h. 6th to 1h. 7th (39)	Weather. 1h.—7h. 7th (40)
London (Kew)	cm$_o$wbc3$_4$	c3$_o$	c3$_o$	cm$_o$rr
Croydon	cm$_o$bc	bcc3$_o$	comw	omRrm$_o$
S. Farnborough	cbc	bcc	cm$_o$cr	orrcm$_o$
Winchester	c	cr$_o$	corr	cr$_o$f
Boscombe Down	c	co$_o$r$_o$	orrm$_o$	or$_o$ff
Calshot, S'thmtn	c	c, cpr	oRRc	cbc
Dungeness	c	c	*	r
Lympne	ocbc	bcco	om$_o$	ofdrrm$_o$
Shoeburyness	cm$_o$	cm$_o$	cm$_o$	cRr
Felixstowe	com$_o$d$_o$d$_o$	c	co	orrofdd
Gorleston	cid$_o$	oc	cbew	or$_o$r$_o$
Cranwell	ofem	cb, cm$_o$	com$_o$	ocr$_o$
Cardington	*	*	b, c	corrm
Birmingham	cbc	c	cr$_o$r$_o$	or$_o$r$_o$m
Upper Heyford	bcc	cbccbc	bcc	Rrr$_o$
Leafield	cbc	c	bcoid	orrFF
Ross-on-Wye	bccid$_o$	co$_o$R	r$_o$mdf	ofbcf
Portland Bill	c	RRz$_o$	c	cbc
Plymouth	crrm$_o$	cm$_o$rr	cdmrrf	fgbcw
Falmouth	cirq	cp$_o$	cbc	bcp$_o$
Scilly (St. Mary's)	cp	cbc	bc	bc
Guernsey	orr$_o$	or$_o$r	oirc	cprbc
Pembroke	bcrc	cr$_o$	bc	irbc
Holyhead	cqir$_o$	r$_o$c	ir$_o$pr	bcu
Chester (Sealand)	bccbc	ir	d$_o$ir	r$_o$r$_o$m
L'pool (Bidston)	bqbc	bcr$_o$d	cd$_o$do	or$_o$df
Harrogate	omcbc	bc	bccm	coFF
Spurn Head	dc	c	cbc	bccwo
Tynemouth	oq	obcq	bco	o
Inchkeith	c	c	cirbc	sorr
Leuchars	cwbcm$_o$	bccm$_o$	cbccm$_o$	or$_o$m$_o$
Renfrew	cq	cirqr	r$_o$bcc	cm$_o$
Eskdalemuir	bc	bcc	cir$_o$	cor$_o$r$_o$
Tiree	crRc	c	cir	cir
Stornoway	crr	cbc	cprir	cir$_o$
Dalwhinnie	c	r	·	c
Aberdeen	c3$_o$c	cbcc	c3$_o$	c3$_o$
Wick	c	c	c	c
Lerwick	cm$_o$	cpcm$_o$	cbc	bcc
Blacksod Point	prcq	ir	prc	c
Malin Head	oirc	cbc	bcp$_o$	bc
Aldergrove	cRRir$_o$	cbc	bcc	cb
Donaghadee	crr	circ	bc	pr$_o$bc
Birr Castle	c	cp$_o$bc	bcb	bx
Valentia Obsy.	bccpc	cpc$_o$bc	bcpr$_o$	bc
Roches Point	cirbc	bc	bcbw	bbcpbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220-1100 yds.
F, thick fog, „ less than 220 yds.
f$_s$, fog over sea (coast station).
f$_g$, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
j$_p$, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

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

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.

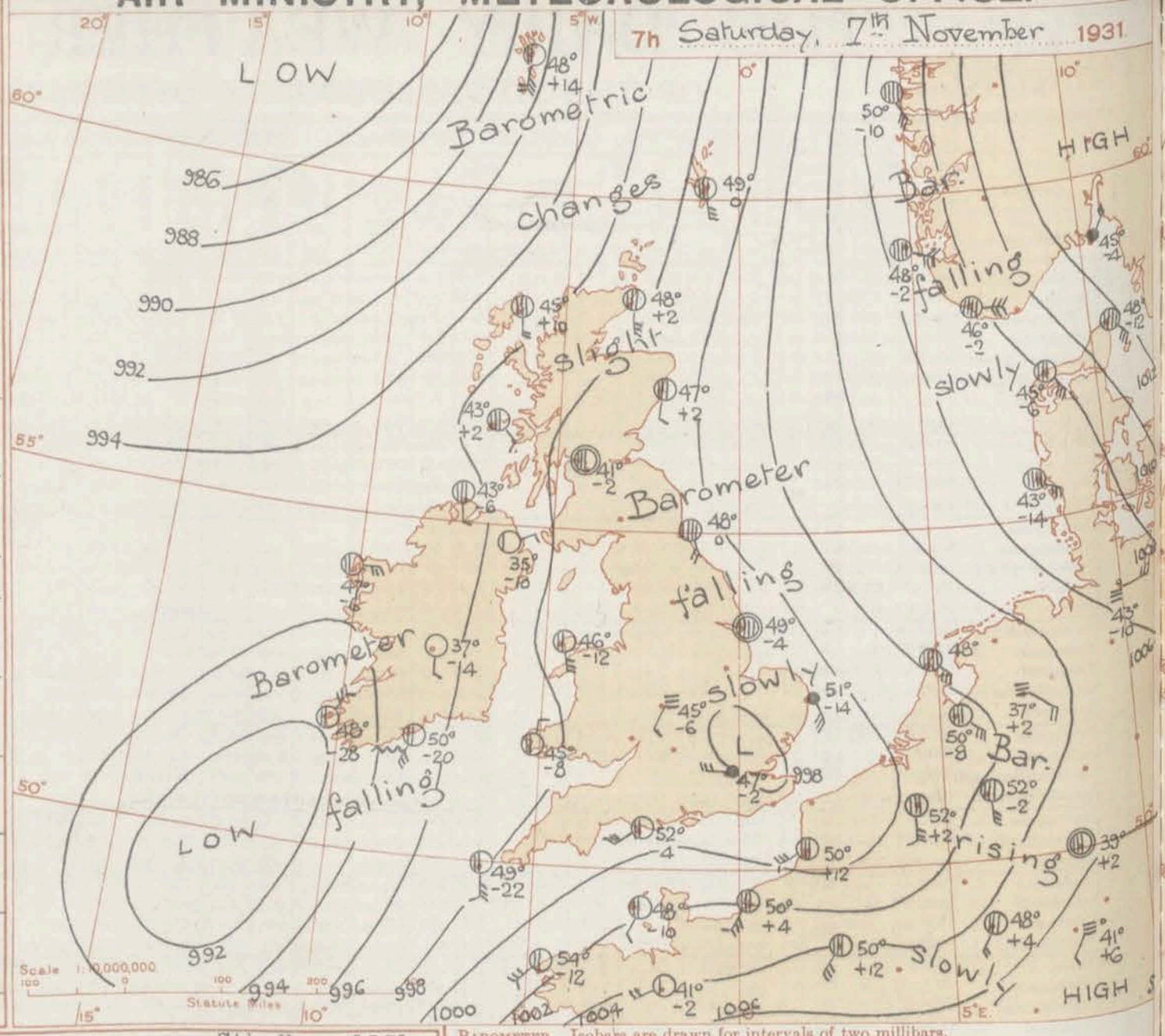
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 6th NOVEMBER 1931.

District	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.	cbc	bco	43	55	-	-	2·5
	Bournemouth	co	do	51	55	0·3	0·3	0.5
	Ventnor ...	pcbc	ou	51	59	0·3	-	2.6
	Southsea ...	orbc	c	51	56	0.4	-	1·2
	Bognor Regis	cbc	bcc	50	56	0.3	-	1.5
	Littlehampton	cbc	bc	52	54	Trace	-	1·1
	Worthing ...	co	bcco	52	54	Trace	-	1·2
	Brighton ...	oco	cbc	51	54	-	-	1·2
	Eastbourne†	o	oco	51	54	-	-	0·1
	Hastings† ...	c	bcco	49	54	Trace	-	0·5
	Folkestone ...	ocbc	bcco	49	55	-	-	1·5
	Dover... ...	cbc	bcco	50	55	-	-	2·0
	Deal	co	bcobo	48	54	-	-	1.4
	Ramsgate ...	c	c	48	53	-	-	0.4
	Margate ...	c	c	49	53	Trace	-	0.5
2	Southend ...	oc	cbco	47	52	0.1	-	0.5
	Maldon ...	oc	c	40	52	-	-	0.1
	Clacton-on-Sea	cbc	c	48	51	-	-	0.0
	Dovercourt ...	doc	dococ	48	52	Trace	Trace	0.0
	Lowestoft ...	bcco	co	49	52	-	-	0.0
	Skegness ...	bmoc	co	46	52	Trace	-	2.2
	Mablethorpe	cwmo	cmo	44	51	-	-	0.9
	Cleethorpes ...	roc	c	43	52	Trace	-	0.8
3	Leamington S.	oc	c	48	57	-	-	2.9
4	Cheltenham†	cbcb	bbcco	47	55	-	-	3.1
5	Bath	bcc	crr	45	55	Trace	6	0.7
	Weymouth ...	c	cr	51	54	0.2	4	0.4
	Jersey ...	bccr	rcr	48	54	-	6	1.2
	Torquay ...	ocorirg	mcmr	46	55	-	2	0.1
	Penzance ...	c	cb	50	55	3	-	0.9
	St. Ives ...	pr	c	49	54	5	1	0.5
	Bude	rco	rcp	46	56	1	1	0.0
	Ilfracombe ...	od	dd	50	55	-	3	0.0
6	Aberystwyth	c	crc	49	56	-	1	1.1
7	Llandudno ...	bcc	roc	45	58	-	0.1	2.5
	Colwyn Bay...	bcc	bcco	43	56	-	-	2.7
	Rhyl	bbcc	c	44	57	-	-	3.4
8	Wallasey ...	bc	c	-	55	-	-	3.4
	Southport‖ ...	bcb	bbcoido	46	57	-	Trace	2.3
	Blackpool ...	c	co	46	55	-	-	2.9
	Morecambe ...	cdpcb	bccbc	47	57	Trace	-	2.6
9	Ilkley... ...	mc	mc	40	52	-	-	0.5
10	Berwick-on-T.	oc	coc	43	50	-	-	1.6
11	Dunbar ...	bc	bcmo	43	53	-	-	2.6
12	Douglas ...	cbc	coirc	48	54	-	3	0.8

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h. 5th.

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.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 7th Nov. 1931.

Districts.	Forecasts
1. S.E. England	Moderate southwest wind, backing south and becoming fresh or strong; bright intervals and local showers at first, intermittent rain later; rather mild.
2. E. England...	
3. E. Midlands	Wind light, variable, then freshening from southeast or south; cloudy, rain at times, brighter intervals locally at first; rather mild.
4. W. Midlands	
5. S.W. England	Fresh or strong southerly wind, veering later; rain at times, heavy locally with perhaps thunder; rather mild.
6. South Wales	
7. North Wales	Wind southeast, mainly light or moderate then freshening; cloudy, rain at times; rather mild.
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	
13. A. W Scotld. B. N.W. Scotland	Light southerly wind, backing east; mainly fair at first, perhaps local rain later; rather mild.
14. Mid-Scotland	As 6 - 12.
15. N.E. Scotland	
16. Orkneys and Shetlands.	
17. N.W. Ireland	Freshening easterly wind, becoming strong locally, backing later; bright intervals and showers at first, becoming mainly cloudy with intermittent rain; rather mild.
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

GENERAL INFERENCE.

A depression is centred over Iceland. A secondary over southeast England is moving slowly north, and another secondary off southwest Ireland is becoming large and deep and is likely to move slowly east and then northeast. Weather will be unsettled but there will be bright intervals locally at first.

FURTHER OUTLOOK.

Unsettled.

Time of Issue of Gale Warning.

South cone at 1020 on 7th in districts 1 and 5.

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

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, 7th November 1931.

No. 25552

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

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	999.9	-12	NE'E	1	o	49	95	4	5	-	-	10	10	450
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1000.9	-4	WNW	2	c	48	95	6	5	-	-	10	10	2500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	999.1	-18	ESE	2	o	51	95	5	5	-	-	10	10	220
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1000.6	-14	SE	3	bc	51	95	6	4	-	-	4-6	4-6	2500
	Cranwell ...	240	1000.7	-8	SE	2	o	45	95	5	5	-	-	10	10	1500
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1001.5	-6	NW	2	c	51	85	8	5	-	-	9	9	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1001.0	-2	W'S	3	bc	49	85	8	7	-	-	2·3	2·3	4000
	Scilly (St. Mary's)	163	1001.4	-2	W	4	bc	50	75	8	2	-	-	2·3	2·3	4000
	Guernsey ...	175	1001.9	0	SW	1	bc	48	95	8	8	-	-	4-6	4-6	2500
6	Pembroke ...	142	999.9 [red correction]	-2	SW	1	bc	51	95	7	4	6	-	2·3	4-6	1500
7	Holyhead ...	26	1000.1	-6	SSE	3	bc/pr	49	85	8	3	-	-	4-6	4-6	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1001.2	-4	SE'S	2	bc	49	95	7	-	1	-	0	4-6	-
	Tynemouth ...	67	999.9	-6	S	2	o	48	95	7	5	-	-	10	10	1500
11	Inchkeith ...	190	999.3	-2	SSE	1	bc	47	95	8	5	7	-	4-6	4-6	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	993.3	+8	S	6	ir	50	95	7	9	7	-	7·8	9+	1600
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	996.5	0	SSE	6	c	50	95	7	5	2	-	7·8	10	1500
16	Lerwick ...	54	1000.4	-8	S'E	4	bc	49	95	7	8	-	-	4-6	4-6	1500
17	Blacksod Point	18	996.4	+6	-	0	bc	48	75	7	3	-	-	4-6	4-6	1500
18	Malin Head ...	52	996.8	+8	S	3	bc/pr	46	95	7	8	-	-	2·3	2·3	1500
	Aldergrove ...	288	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	999.0	-6	WSW	3	ir₀	61	95	7	5	-	-	2·3	2·3	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 7th November — 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 6th Hrs. (36)
London (Kew)	999.2	+2	SW'W	2	c/r	48	95	5	5	2	-	9+	10	1500	1	*	55	48	44	Tr	11	2.4
Croydon	999.3	-2	W'N	3	ir₀	47	95	5	6	-	-	10	10	450	1	*	56	47	45	-	13	3.7
S. Farnborough	999.4	-2	W	1	c	45	95	6	5	2	8	4-6	10	4000	1	*	56	45	43	-	6	3.3
Winchester	999.9	-2	-	0	cf	43	95	3	5	-	-	7·8	7·8	5700	1	*	55	41	37	0.1	5	2.5
Boscombe Down	1000.1	-2	SW	1	f	43	95	2	5	-	-	10	10	4150	1	*	53	42	38	0.1	6	*
Calshot (S'thmtn)	1000.8	-2	WSW	2	bc	45	85	6	8	-	-	4-6	4-6	2500	1	1	54	43	36	0.3	6	2.6
Dungeness	*	*	WSW	3	r₀r₀	*	*	7	8	7	*	4-6	9	1500	*	2	55	48	*	-	4	*
Lympne	998.6	-4	W	3	ir₀	48	95	6	5	-	-	10	10	2500	1	*	53	47	47	-	8 [red correction]	1.1
Shoeburyness	998.0	-14	WNW	3	r₀r₀	49	95	7	6	2	-	2·3	9+	2500	1	*	53	47	41	-	7	0.3
Felixstowe	998.2	-12	SE	1	dd	51	95	3	6	-	-	10	10	800	1	0	51	49	45	0.3	4	0.0
Gorleston	998.1	-14	SSE	3	rr	51	95	5	6	-	-	10	10	800	1	2	52	50	46	Tr	4	0.0
Cranwell	998.6	-8	W'N	1	ir₀	45 [red correction]	95	5	6	-	-	10	10	2500	1	*	52	43	39	Tr	0.1	1.4
Cardington	999.4	-4	W	2	rr	46	95	4	6	-	-	10	10	450	*	*	*	*	*	*	*	*
Birmingham	999.6	-6	SW	1	cf	45	95	3	5	2	-	7·8	10	800	1	*	54	45	44	-	5	0.9
Upper Heyford	999.0	-8	-	0	c/r	45	95	5	6	2	-	4-6	9	1500	1	*	54	45	42	-	8	*
Leafield	998.6	-6	SW	2	oF	45	95	1	5	-	-	10	10	2500	1	*	52	45	43	-	4	0.6
Ross-on-Wye	999.2	-8	-	0	cF	45	95	1	5	7	-	1	7·8	4000	1	*	54	41	35	7	2	1.0
Portland Bill	999.7	-4	WSW	3	bc	52	75	8	8	6	-	2·3	4-6	2500	1	3	54	49	*	4	1	*
Plymouth	999.5	-10	-	0	bc	38	95	7	2	-	-	2·3	2·3	2500	1	1	55	38	35	1	1	0.0
Falmouth	998.6	-4	SWW	2	bc	46	95	8	7	-	-	4-6	4-6	4000	0	0	56	45	*	3	Tr	0.1
Scilly (St. Mary's)	997.5	-22	S	4	bc	49	75	8	2	4	4	2·3	4-6	4000	1	3	55	48	*	1	-	3.1
Guernsey	1001.9	-10	SW	1	bc	48	85	8	8	4	-	4-6	4-6	2500	1	3	52	47	41	4	3	0.0
Pembroke	997.7	-8	NNE	1	bc	45	95	8	4	6	-	2·3	4-6	2500	1	1	59 [red; 55 struck out]	48	*	11	Tr	0.0
Holyhead	998.4	-12	SSE	3	bc	46	85	8	2	3	-	2·3	4-6	1500	1	1	56	45	40	3	2	0.6
Chester (Sealand)	998.2	-8	SSE	1	c	46	95	4	5	-	-	9+	9+	4000	1	*	55	45	44	0.3	1	0.8
L'pool (Bidston)	997.8	-8	SE'E	2	cf	47	95	2	5	2	-	7·8	10	1500	1	*	53	46	45	Tr	1	4.2
Harrogate	999.3	-6	SE	1	F	44	95	1	5	-	-	10	10	4150	1	*	51	44	43	-	0.1	0.5
Spurn Head	998.2	-4	-	0	o	49	95	5	5	-	-	10	10	1500	1	2	50	48	*	Tr	Tr	0.7
Tynemouth	999.1	0	SSE	2	o	48	95	7	6	-	-	10	10	1500	0	2	51	46	38	-	-	*
Inchkeith	999.3	0	E	1	rr	46	95	7	6	-	-	10	10	2500	1	1	52	46	39	-	1	1.1
Leuchars	999.6	0	E	1	r₀r₀	43	95	6	5	-	-	10	10	1500	1	*	53	37	30	-	0.1	2.7
Renfrew	999.0	-2	-	0	c	41	85	5	5	2	-	9+	10	1500	1	*	56	40	34	2	0.2	1.8
Eskdalemuir	998.7	-2	-	0	r₀r₀	45	95	5	5	-	-	10	10	450	1	*	51	44	43	-	3	5.2
Tiree	996.2	+2	SE	1	c	43	95	8	8	7	-	4-6	7·8	2500	1	2	52	43	34	4	2	0.9
Stornoway	995.2	+10	S	2	c	45	95	8	4	7	-	4-6	7·8	2500	1	2	54	44	*	3	0.3	0.1
Dalwhinnie	998.4	0	SE	2	c	43	85	8	4	4	-	4-6	10	800	1	*	48	40	29	1	0.4	0.0
Aberdeen	999.0	+2	SSW	1	c	47	95	6	5	7	-	4-6	10	2500	1	1	51	46	39	-	-	0.0
Wick	996.8	+2	S	3	c	48	95	8	5	1	-	4-6	7·8	1500	0	3	51	48	*	-	-	*
Lerwick	998.9	0	S'E	3	c	49	95	7	5	2	-	4-6	9+	1500	0	*	50	48	*	Tr	-	0.0
Blacksod Point	994.4	-6	E	3	bc	47	85	8	-	4	-	0	2-3	-	0	3	54	42	*	9 [red correction]	1	*
Malin Head	995.7	-6	S	1	bc	43	95	7	5	8	-	2·3	2·3	4000	0	1	53	39	*	0.5	Tr	3.4
Aldergrove	997.7	-10	ENE	1	b	35	95	7	-	3	1	0	1	-	1	*	53 [red correction]	35	29	7	-	0.3
Donaghadee	997.1	-4	W	1	bc	37	95	7	5	-	-	2·3	2·3	1500	1	0	55	37	*	8	0.2	*
Birr Castle	995.8	-14	S	1	b	37	95	8	-	-	-	6	0	-	0	*	54	33	23	Tr	-	3.8
Valentia Obsy.†	992.1	-28	ESE [red correction]	4	bc	48	75	8	8	-	9	2·3	4-6	2500	1	*	53	41	36	0.4	1	2.4
Roches Point	995.3	-20	SW	3	bc	50	75	8	3	-	-	4-6	4-6	1500	1	4	55	38	*	3	2	*

2-3

LONDON OBSERVATIONS.

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

Stations	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	cm₀wbcz₀	cz₀	cz₀rr	55	48	44	Tr	11	2.4	*	*	4
Croydon ...	217	cm₀bc	bcez₀	corm₀	56	47	45	-	13	3.7	*	*	5
Greenwich (Royal Observatory) ...	149	c	c	rrfrm	56	47	44	*	12	3.5	77	95	4
City (Bunhill Row) ...	—	*	*	*						1.7			*
Westminster (St. James' Park) ...	27	*	*	*	56	47	46	.16	*	2.5	68	97	*
Regents Pk. (Botanic Gardens) ...	168	*	*	*						2.3	*		*
Camden Square ...	110	c	c	*	56	48	44	-	14		At 18h.	97	*
Kensington ...	80	bc	bc	*	56	48	43	-	12	2.3	81	95	*
Hampstead Observatory ...	450	obc	bc		54	43	42	-	13	2.3		97	

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	9h, 11h 6th	0.0	6h-7h 7th

Kew Observatory. Max.	Time.	Min.	Time.
0.4	23h 5th	0.1	12h 6th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 6th November: Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 7th November: 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 ...	1001.7	ESE	3	ir₀	52	1004.3	ESE	4	c/d	50	55	48	1	4
Brussels ...	1004.4	SSE	4	c	55	1001.0	S	4	c	52	57	50	-	0.1
Berlin ...	1012.2	SE	3	c	46	1006.8	E	2	fc	39	50	39	-	-
Zurich ...	1009.0	NW	1	c	46	1008.3	NE	1	c	41	48	39	-	-
Rome ...	1015.9	SE	4	c	59									

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. 2/8 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, 8th. November 1931.

No. 25553.

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

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)	997.8	-20	SW	3	bc	53	65	7	8	-	-	4-6	4-6	2500
	Croydon	998.4	-14	SW	4	c	54	65	7	7	-	1	7-8	7-8	2500
	S. Farnborough	997.6	-14	SSW	3	pr	52	75	8	3	-	-	7-8	7-8	2500
	Winchester	996.8	-26	SSW	3	bc	55	75	8	1	-	1	4-6	4-6	1500
	Boscombe Down	997.1	-26	SW	3	c/pr	52	75	7	5	-	-	7-8	7-8	2500
	Calshot, S'thmtn	998.6	-18	SW	3	pr	53	75	8	8	6	3	4-6	4-6	2500
	Dungeness	*	*	SW	4	bc	*	*	7	8	5	*	4-6	4-6	1500
	Lympne	999.0	-8	SW	4	pr	53	75	8	8	-	1	9	9+	2500
2	Shoeburyness	998.8	-4	WSW	3	bc	54	75	7	2	7	-	2-3	4-6	4000
	Felixstowe	998.4	0	SSW	2	c	52	85	7	5	3	1	2-3	9+	1500
	Gorleston	996.9	0	WSW	3	bc	52	95	6	6	6	4	2-3	4-6	1500
	Cranwell	996.5	-6	WSW	2	c	48	95	4	5	-	-	9+	9+	800
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	997.1		SSW	2	bc	48	85	6	1	-	-	4-6	4-6	800
	Upper Heyford	997.1	-12	S	2	c	51	85	6	5	-	-	7-8	7-8	1500
	Leafield	996.5	-12	S	2	bc	49	95	8	8	-	-	4-6	4-6	4000
4	Ross-on-Wye	995.8	-24	S	2	b	54	65	8	1	-	-	1	1	4000
5	Portland Bill	996.1	-30	SSW	5	c	54	75	8	8	6	-	7-8	7-8	2500
	Plymouth	994.0	-34	S	4	c/p	53	65	9	6	-	-	9+	9+	1500
	Falmouth	991.7 ~~989.4~~	-18	SE'S	7	rr	51	95	6	6	-	-	10	10	2500
	Scilly (St. Mary's)	987.3	-62	SE'E	6	rr	51	95	6	6	-	-	10	10	2500
	Guernsey	997.3	-36	S	5	c	53	75	8	8	6	-	7-8	9	2500
6	Pembroke	993.3	-28	S	2	c	51	95	7	4	6	1	4-6	9+	2500
7	Holyhead	995.9	-14	SE	3	bc	54	75	9	1	-	-	2-3	2-3	2500
	Chester (Sealand)	994.9	-22	SE'E	2	bc	53	75	7	8	3	-	2-3	4-6	4000
8	L'pool (Bidston)	994.4	-16	ESE	1	bc	51	85	6	5	-	9	2-3	2-3	1500
9	Harrogate	995.3	-14	SW	1	rr	45	95	4	(5)	-1	-	(10)	10	<150
10	Spurn Head	994.6	-8	W	3	df	48	95	3	5	-	-	10	10	800
	Tynemouth	995.5	-24	E	1	o/r	50	95	7	6	-	-	10	10	1500
11	Inchkeith	996.6	-18	E	1	r$_0$r$_0$	47	95	7	6	2	-	7-8	10	800
	Leuchars	997.2	-18	ESE	1	c	49	95	6	5	7	-	2-3	9+	4000
12	Renfrew	996.7	-18	E	1	d$_0$d$_0$	48	85	4	5	2	-	9+	10	4000
	Eskdalemuir	996.6	-20	ESE	2	rr	45	95	6	5	2	-	7-8	10	800
13A	Tiree	995.3	-10	SE	2	c	51	85	8	5	3	-	4-6	9	2500
13B	Stornoway	996.2	-2	S	1	c	51	95	8	7	6	1	4-6	7-8	4000
15	Dalwhinnie	997.9	0	SE	2	r	45	85	8	6	-	-	7-8	7-8	800
	Aberdeen	997.6	-10	SSE	3	c	50	85	6	6	7	-	9+	10	1500
	Wick	997.6	+2	S	2	c	49	85	8	5	-	-	9+	9+	1500
16	Lerwick	999.4	+2	SE	3	c	50	85	7	5	2	-	4-6	10	800
17	Blacksod Point	991.7	-12	E	3	bc	49	75	8	-	-	7	0	4-6	-
18	Malin Head	994.2	-16	ENE	2	b	52	75	8	7	8	-	1	1	4000
	Aldergrove	994.6	-22	-	0	bc	49	85	6	8	-	-	4-6	4-6	2500
	Donaghadee	994.5	-14	SE	2	bc	52	85	7	8	-	-	4-6	4-6	2500
19	Birr Castle	990.7	-26	SE	3	bc	51	75	8	1	4	9	2-3	4-6	2500
20	Valentia Obsy.	984.7	-34	E'S	4	ir$_0$	50	75	8	5	-	-	10	10	2500
	Roches Point	988.9	-40	SE	6	c	52	75	8	3	-	-	7-8	7-8	1500

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

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)
London (Kew)	995.9	-8	SE	3	c	48	85	7	-	7	-	0	7-8	-
Croydon	996.9	-8	SSE	3	bc	46	85	6	8	5	-	2-3	4-6	2500
S. Farnborough	994.9	-14	SE	2	c	49	85	6	5	3	-	2-3	9+	4000
Winchester	994.0	-16	SSE	4	pr	49	85	7	6	-	-	9	9	1500
Boscombe Down	993.2	-22	SSE	4	r$_0$r$_0$	48	85	6	5	-	-	10	10	1500
Calshot, S'thmtn	994.3	-26	SE	6	r$_0$r$_0$	52	85	7	6	2	-	4-6	10	1500
Dungeness	*	*	SSW	6	bc	*	*	7	5	4	*	2-3	4-6	1500
Lympne	998.0	-8	S	4	bc	50	75	8	2	3	-	4-6	4-6	2500
Shoeburyness	998.2	0	SSE	2	b	47	85	8	-	4	-	0	1	-
Felixstowe	998.3	+2	SSE	4	bc	50	85	8	5	-	-	2-3	2-3	2500
Gorleston	996.8	+2	SSW	3	bc	49	85	6	4	-	-	2-3	2-3	2500
Cranwell	995.4	0	S'E	2	b	40	95	6	5	-	-	1	1	2500
Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birmingham	994.9	-10	SE	2	ir$_0$	46	85	5	6	3	-	4-6	7-8	800
Upper Heyford	994.6	-10	SE	3	c	45	85	7	5	3	-	4-6	7-8	1500
Leafield	993.7	-14	SE'E	3	bc	44	95	8	5	-	-	4-6	4-6	5700
Ross-on-Wye	992.3	-20	ESE	3	c	48	85	7	6	1	6	2-3	9	2500
Portland Bill	989.0	-40	SE'E	7	RR	52	85	6	6	-	-	10	10	1500
Plymouth	985.3	-34	E'S SW	6	rr	59	85	7	6	2	-	7-8	9+	800
Falmouth	982.1	-12	~~ESE~~	6	q	53	95	7	8	-	-	9	9	4000
Scilly (St. Mary's)	983.8	-8	SSW	3	bc	51	95	7	2	4	3	1	4-6	4000
Guernsey	990.1	-30	S	7	c/r	52	85	6	8	-	-	7-8	7-8	2500
Pembroke	991.9	-30	ESE	4	ir	50	95	7	3	-	-	10	10	800
Holyhead	992.9	-10	ESE	3	c	48	85	7	4	-	-	7-8	7-8	2500
Chester (Sealand)	993.2	-4	SE	3	bc	41	95	7	5	-	-	2-3	2-3	4000
L'pool (Bidston)	992.5	0	SE	3	b	46	85	6	-	-	-	0	0	-
Harrogate	994.2	-6	SW	1	bcf	43	95	3	5	-	-	2-3	2-3	<150
Spurn Head	994.6	0	SSW	3	bc	47	95	6	5	-	-	4-6	4-6	800
Tynemouth	992.7	-12	W	1	r$_0$r$_0$	49	95	6	6	-	-	10	10	1500
Inchkeith	994.3	-14	E	1	r$_0$r$_0$	48	95	7	6	2	-	7-8	10	800
Leuchars	994.4	-14	NE	1	r$_0$r$_0$	48	95	6	6	1	-	9+	10	450
Renfrew	993.9	-18	-	0	rr	45	95	6	6	-	-	10	10	500
Eskdalemuir	993.1	-10	-	0	r$_0$r$_0$	44	95	6	6	2	-	9+	10	800
Tiree	994.1	-12	S'E	3	c	49	85	8	8	6	-	4-6	9	2500
Stornoway	995.6	-4	E	2	c	48	95	8	7	7	-	4-6	7-8	4000
Dalwhinnie	995.8	-10	E	2	r	42	95	6	6	-	-	7-8	7-8	450
Aberdeen	994.8	-22	ENE	3	ir$_0$	48	95	6	6	7	-	7-8	10	1500
Wick	996.8	-4	SE	3	c	50	95	8	5	2	-	7-8	10	1500
Lerwick	1000.1	+4	SSE	4	c	49	95	7	5	2	-	4-6	7-8	800
Blacksod Point	990.2	-10	ESE	5	b	47	85	5	2	-	-	Tr	Tr	5700
Malin Head	992.3	-6	ENE	2	bc	50	95	7	2	-	-	4-6	4-6	4000
Aldergrove	992.4	-6	ENE	2	bc/pr	46	95	7	9	3	-	4-6	4-6	1500
Donaghadee	991.9	-12	SE	3	bc	50	85	7	8	-	-	4-6	4-6	2500
Birr Castle	987.4	-18	SE	2	c	47	85	8	5	4	-	7-8	9	2500
Valentia Obsy.	978.7	-40	NE'N	5	c/r	49	85	7	6	2	-	7-8	10	1500
Roches Point	983.4	-20	SE	5	ir	52	75	7	6	-	-	7-8	7-8	1500

PAST 24 HOURS.

Stations	State of Ground 0-9 (29)	Sea 0-9 (30)	Weather 7h.—13h. 7th (37)	Weather 13h.—18h. 7th (38)	Weather 18h. 7th to 1h. 8th (39)	Weather 1h.—7h. 8th (40)
London (Kew)	1	*	cmbc	bcpr$_0$	becr$_0$r	cr$_0$rm$_0$
Croydon	1	*	or$_0$m$_0$bc	bcPRm$_0$	beorr$_0$m	cr$_0$r$_0$m$_0$
S. Farnborough	1	*	cbcbbc	becpr$_0$	corr	orr
Winchester	1	*	ffc	becpr	orrc	cir
Boscombe Down	1	*	offrri	cpro	orrm$_0$	ocrrc
Calshot, S'thmtn	1	3	bcprip	bcr$_0$r$_0$	crqir$_0$c	c,rcdr
Dungeness	*		bc	bc	*	r
Lympne	1	*	or$_0$cpr$_0$	pr$_0$bc	coir$_0$m$_0$	cr$_0$c
Shoeburyness	1	*	r$_0$r$_0$bc	bcb	bwbc	pr$_0$c
Felixstowe	0	2	ofddd$_0$c	cbc	bc	bc
Gorleston	0	2	orrbc	becbc	beq	beq
Cranwell	1	*	rrfddm	cmbcm$_0$	bfcr$_0$	or$_0$m$_0$
Cardington	*	*	*	*	cor$_0$	or$_0$r$_0$m$_0$
Birmingham	1	*	fmcbc	bc	becr	cor$_0$r$_0$
Upper Heyford	1	*	FFc	cbcc	cor$_0$R	or$_0$r$_0$q
Leafield	1	*	fbcifbc	bc	bcor	orr$_0$
Ross-on-Wye	1		Fbfcmbc	bccbc	corrcr$_0$	cor
Portland Bill	2	5	bcc	cRRz$_0$	bcc	cir
Plymouth	1	4	becp	cRrm$_0$	oPRq	crr$_0$
Falmouth	1	4	corrq	oiRm$_0$q	cPq	bcp$_0$q
Scilly (St. Mary's)	1	3	bccir	rrcbc	bc	bccrc
Guernsey	2	4	PRbc	corr	coRo	co
Pembroke	1	3	bc	oir$_0$	bcr	ircbc
Holyhead	1	1	bcu	bc	bc, r$_0$	cbc
Chester (Sealand)	1	*	ffmc	bc	cr$_0$r$_0$o	om$_0$
L'pool (Bidston)	0	*	cfbc	b	bor$_0$r	ocm$_0$c
Harrogate	1	*	ofmrr	rrcbcmf	bcoffd$_0$	ofod$_0$
Spurn Head	0	2	Frfd	odfcbc	bcc	cir
Tynemouth	1	2	oir$_0$	or$_0$r$_0$	oir$_0$ufbc	o
Inchkeith	1	1	orr	r$_0$r$_0$	rrir$_0$c	bcir$_0$
Leuchars	1	*	or$_0$r$_0$f	ccr$_0$d$_0$m$_0$	orrcm$_0$	bcxcr$_0$m
Renfrew	1	*	cfmd$_0$d$_0$	fd$_0$arr	rrr$_0$r$_0$o	oir$_0$r
Eskdalemuir	1	*	cir$_0$r	cr$_0$r$_0$	ciro	ocir$_0$c
Tiree	0	3	c	cir$_0$c	crr	crrc
Stornoway	1	1	cbc	c	crr	oRR
Dalwhinnie	1		r	r	*	r
Aberdeen	1	1	omfirc	ccir$_0$	orrir	oc
Wick	0	3	c	c	or$_0$r	or$_0$rc
Lerwick	0	*	co	c	or$_0$r$_0$m$_0$	or$_0$r$_0$m$_0$
Blacksod Point	0	4	c	c	c	prc
Malin Head	0	2	bc	bc	bcbcc	cg
Aldergrove	1	*	bbc	bcpr	bc	becr
Donaghadee	1	1	pr$_0$bc	pr$_0$bc	bbc	corrq
Birr Castle	0	*	bbc	bcc	cpr$_0$c	corr
Valentia Obsy.	1	3	becir	cr$_0$crr	circ	cbc
Roches Point	1	6	bcc	orrcir	cir	circ

2-3

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220-1100 yds.
F, thick fog, " less than 220 yds.
f_s, fog over sea (coast station).
f_g, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s_0, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s_0/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus. R, heavy rain. r_0, slight rain. rr, continuous rain.
< less than (for cloud height).
⊕, 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.

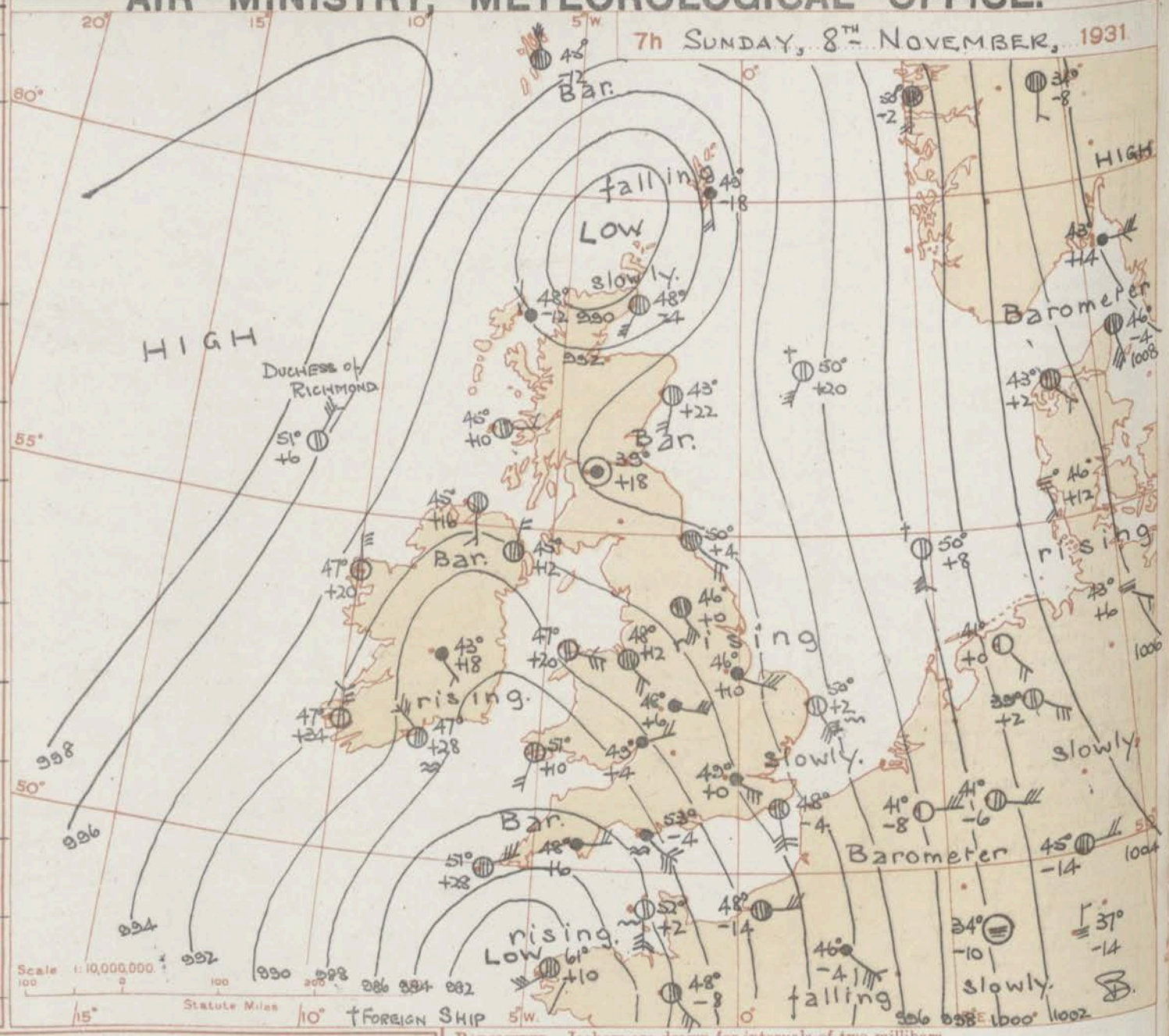
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 7th NOVEMBER 1931.

District	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 6th to 9h. 7th	Temperature. Max. 9h.—17h. 7th	Rainfall. Night 17h. 6th to 9h. 7th	Rainfall. Day 9h.—17h. 7th	Sunshine. Sunrise to Sunset 7th
1	Tunbridge W.	cbc	cpbc	46	54	16	0.3	3.7
	Bournemouth	b	bbcr	40	56	6	-	6.1
	Ventnor ...	rbbc	bcbor	47	56	4	Trace	6.5
	Southsea ...	b	bbcc	45	57	5	-	5.5
	Bognor Regis	bbcpr	bc	47	55	3	0.5	4.9
	Littlehampton	bc	bcpbc	45	57	3	0.5	5.7
	Worthing ...	bcp	bccbc	47	57	6	Trace	5.2
	Brighton ...	cbcrc	cbc	48	55	9	0.1	5.4
	Eastbourne†	cfs.c	cbcc	47	56	15	0.1	4.9
	Hastings† ...	cbccp	orcbcc	47	54	8	1	3.7
	Folkestone ...	rocbc	bcp	48	56	3	0.5	3.3
	Dover... ...	c	cbc	49	55	3	-	2.5
	Deal	ocor.	bcc	49	55	2	Trace	2.8
	Ramsgate ...	cbc	bcpbc	49	55	2	0.2	2.7
	Margate ...	bc	bcp	49	56	2	Trace	3.3
2	Southend ...	cbcb	b	48	57	8	-	3.7
	Maldon ...	rc	bbc	47	55	8	-	3.4
	Clacton-on-Sea	cgrc	cbc	48	52	4	-	3.2
	Dovercourt ...	rbcc	bc	48	53	5	-	3.4
	Lowestoft ...	oprm.	d.cbc	49	54	6	0.2	1.4
	Skegness ...	om.	om.	47	51	1	-	0.0
	Mablethorpe	orscm	ar.om.	45	51	2	1	0.0
	Cleethorpes ...	oferd	i r.o	43	50	0.6	3	0.0
3	Leamington S.	c	c	47	54	4	-	3.1
4	Cheltenham†	cbc	bc	44	53	3	-	5.0
5	Bath	b	bbccp	40	54	4	Trace	6.0
	Weymouth ...	b	bcr	38	56	1	3	5.5
	Jersey ...	rcbc	cr	49	55	6	4	5.2
	Torquay ...	pbfobcc	orrgpcfg	37	55	0.2	6	3.2
	Penzance ...	corr	ocr	43	53	0.5	0.3	1.3
	St. Ives ...	bcop	pr	45	53	0.5	6	1.2
	Bude	bbc	bccr	40	53	3	0.3	4.1
	Ilfracombe ...	bbc	bcor	44	53	2	1	5.5
6	Aberystwyth	crcbc	bbcc	41	54	1	-	7.0
7	Llandudno ...	b	bbcb	42	56	0.2	-	7.0
	Colwyn Bay...	bcb	b	42	56	Trace	-	6.6
	Rhyl	bcb	b	43	56	0.4	-	6.3
8	Wallasey ...	fcbc	bcb	*	53	-	-	3.8
	Southport‖ ...	om	cbcm	46	51	3	-	0.5
	Blackpool ...	om	c o	47	51	5	-	0.5
	Morecambe ...	rapco	rpbcc	45	49	9	8	0.4
9	Ilkley... ...	frr	of	44	46	5	4	0.0
10	Berwick-on-T.	oR	Ro	46	50	Trace	1	0.0
11	Dunbar ...	orrmo	oro	46	50	6	0.3	0.0
12	Douglas ...	cbc	bccb	42	53	0.5	-	5.2

† 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. 8th Novr., 1931.
1. S.E. England ↓ 2. E. England... 3. E. Midlands	Moderate southeast to east winds, backing; mainly cloudy, rain followed by brighter intervals and showers; rather mild.
4. W. Midlands 5. S.W. England ↓ 6. South Wales 7. North Wales 8. N.W. England	Moderate to fresh easterly wind, becoming north to northwest and moderating; cloudy with some rain at first, bright intervals with showers later; rather mild.
9. N. Midlands 10. N.E. England	Moderate easterly winds, backing; cloudy, some rain; bright intervals and showers later; rather mild.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Light to moderate variable wind, becoming moderate northerly; cloudy, some rain; rather mild.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate northwesterly winds; bright intervals and showers; rather mild.

GENERAL INFERENCE.

A depression centred southwest of Land's End is moving slowly southeastward, while secondaries to a depression over Iceland are crossing the extreme North of the British Isles. Pressure is rising slowly over the remaining districts of Great Britain. Weather will be mainly cloudy, with some rain in most districts at first, followed by some bright intervals and showers.

FURTHER OUTLOOK.

None issued.

Time of issue of Gale Warning.

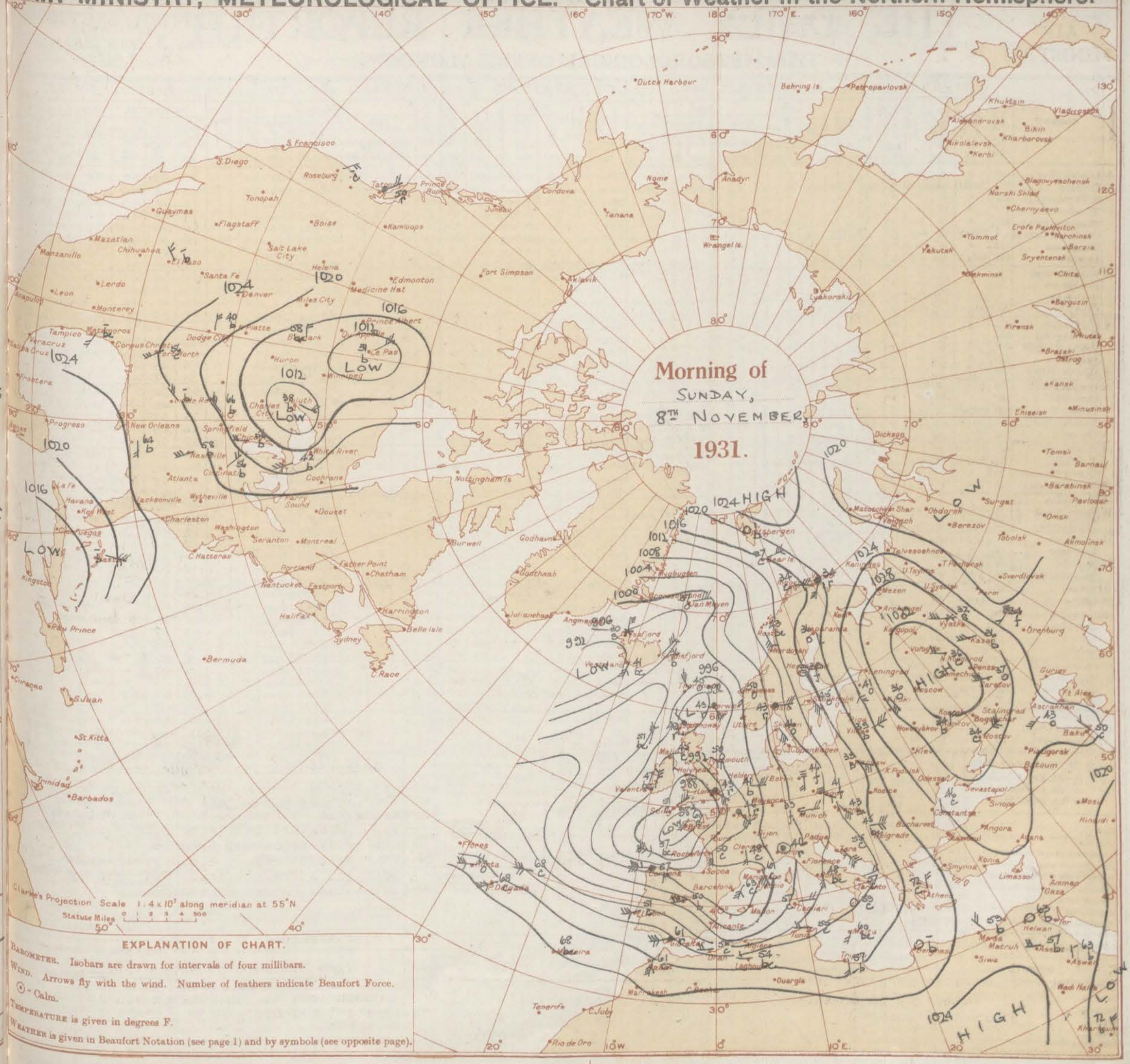
↓ South cone at 10h.20m. on 7th in districts 1 and 5.

Forecasts issued at 1145 G.M.T.

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

H.M. Stationery Office Press Kingsway W.C.2 Pk 302/2336 H.T.S. 2600 G.308 27000 11/31

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



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 8th NOVEMBER 1931.

No. 25553

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

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	992.6	-14	SE'S	3	dd	49	95	6	6	2	-	4-6	10	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	990.8	-12	SSE	5	c	53	85	8	6	7	-	4-6	9	2500
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	993.6	-24	S'E	4	ir.	50	85	6	6	-	-	10	10	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	995.5	-12	S'W	6	bc	49	95	6	4	-	-	4-6	4-6	4000
	Cranwell	240	992.0	-18	SE	4	ir.	45	95	6	6	-	-	10	10	800
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	987.1	-4	ESE	6	c	54	85	8	4	-	-	10	10	1500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	983.7	-4	SSW	5	q	52	85	7	3	-	-	4-6	4-6	4000
	Scilly (St. Mary's)	163	982.2	-4	SE'S	3	bc	60	95	7	4	4	-	2-3	2-3	4000
	Guernsey	175	987.1	-20	S	4	c	52	95	8	8	-	-	7.8	7.8	2500
6	Pembroke	142	983.4	+10	S'E	3	bc	52	95	7	6	-	-	2-3	2-3	2500
7	Holyhead	26	987.6	-18	E'S	5	o/r	48	95	6	5	-	-	10	10	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	2-3	*	*
10	Spurn Head	29	993.4	-4	SSE	6	c	48	95	7	5	1	-	4-6	7-8	2500
	Tynemouth	67	993.4	+4	S	2	o	43	95	6	5	-	-	10	10	1500
11	Inchkeith	190	992.5	-2	SW	1	bc	46	95	7	5	-	-	4-6	4-6	2500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	993.2	-12	-	0	rr	46	95	7	6	7	-	7-8	10	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	991.5	-20	NE	4	⊕	49	95	7	6	-	-	10	10	1500
16	Lerwick	54	997.5	-16	SE	5	r.r.	48	95	6	6	-	-	10	10	800
17	Blacksod Point	18	990.7	+6	ESE	5	bc	47	86	8	2	-	-	2-3	2-3	1500
18	Malin Head	52	991.0	-4	NE	2	c	48	95	7	2	-	-	7-8	7-8	1500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	985.0	+22	E'N	4	bc	48	95	8	4	-	-	2-3	2-3	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	991.6	+6	ESE	2	ir.	49	95	5	6	2	-	7-8	10	1500	1	*
	Croydon	992.1	0	SE'E	3	r.r.	49	95	6	6	2	-	7-8	10	1500	1	*
	S. Farnborough	990.7	+2	ESE	2	ir.	49	95	6	6	-	-	10	10	1500	1	*
	Winchester	989.4	+8	SE	3	ir.	50	95	7	6	2	-	7-8	10	800	1	*
	Boscombe Down	989.5	+10	E	3	c	49	95	7	5	-	-	10	10	1500	1	*
	Calshot, (S'thmtn)	989.3	+2	SE	4	c	52	85	8	5	1	-	7-8	10	1500	1	4
	Dungeness	*	*	SE	4	ir.	*	*	5	6	1	*	4-6	9	1500	*	2
	Lympne	992.6	-4	SSE	5	c/r	48	85	8	5	-	-	9+	9+	1500	1	*
2	Shoeburyness	994.2	+4	SE	3	c	48	85	8	5	1	-	7-8	9	4000	1	*
	Felixstowe	994.9	+4	E'S	5	bc	49	85	8	5	-	-	4-6	4-6	1500	0	3
	Gorleston	995.8	+2	SSE	5	bc	50	85	7	-	7	4	0	4-6	-	0	4
	Cranwell	993.1	+10	SE'E	4	ir.	46	95	6	6	-	-	10	10	800	1	*
3	Cardington	992.1	+8	SE'E	3	r.r.	48	95	6	6	-	-	10	10	4000	*	*
	Birmingham	991.4	+6	ESE	3	r.r.	48	95	7	6	-	-	10	10	800	1	*
	Upper Heyford	990.8	+4	SE	4	ir.	48	95	6	6	-	-	10	10	450	1	*
	Leafield	989.9	+2	ESE	4	r.r.	47	95	6	6	-	-	10	10	450	1	*
4	Ross-on-Wye	989.6	+4	E	2	rr	49	95	5	6	-	-	10	10	800	1	*
5	Portland Bill	986.7	-4	SE	5	ir	53	85	7	8	-	-	10	10	1500	1	5
	Plymouth	985.9	+6	E	2	ir.	48	95	8	8	-	-	7-8	7-8	2500	1	3
	Falmouth	984.5	+6	SSE	3	c	53	85	7	8	-	-	7-8	7-8	4000	1	2
	Scilly (St. Mary's)	985.4	+28	ENE	3	c	51	95	7	3	9	-	4-6	7-8	4000	1	3
	Guernsey	986.0	+2	S	5	c	52	95	8	8	-	-	10	10	1500	1	4
6	Pembroke	986.9	+10	SW	2	c	51	95	8	4	4	-	2-3	7-8	2500	1	2
7	Holyhead	990.2	+20	ESE	4	bc	47	95	8	5	3	3	1	4-6	4000	1	1
	Chester (Sealand)	990.9	+12	SE	2	o	48	95	6	5	-	-	10	10	1500	1	*
8	L'pool (Bidston)	990.6	+8	E	3	c	48	95	6	5	-	-	10	10	1500	1	*
9	Harrogate	993.9	0	SE	3	⊕	46	95	5	5	-	-	10	10	2500	1	*
10	Spurn Head	993.6	0	SSE	5	ir.	49	95	7	6	2	-	2-3	9+	2500	1	3
	Tynemouth	993.1	+4	SE	2	o	50	95	6	6	-	-	10	10	1500	1	2
11	Inchkeith	993.7	+6	NE	2	c	45	95	7	5	2	-	4-6	9	1500	1	2
	Leuchars	995.3	+18	-	0	ir.	38	95	4	5	7	-	7-8	10	2500	1	*
12	Renfrew	994.5	+16	-	0	rr	39	95	5	6	-	-	10	10	1500	1	*
	Eskdalemuir	992.2	+4	ESE	3	c	44	95	6	5	2	-	7-8	10	800	1	*
13A	Tiree	993.1	+10	E'N	1	c	45	95	8	5	7	-	4-6	9	1500	1	2
13B	Stornoway	990.8	-12	NW	1	r	48	95	7	8	2	-	7-8	10	1500	2	1
15	Dalwhinnie	994.5	+20	SW	1	c	39	85	8	6	-	-	7-8	7-8	800	1	*
	Aberdeen	995.0	+22	SSW	2	c	43	95	6	9	-	-	9	9	1500	1	1
	Wick	990.4	-4	SW	3	c	48	95	8	8	2	-	7-8	9	1500	1	3
16	Lerwick	993.9	-18	S'E	2	r.r.	49	95	6	6	-	-	10	10	800	2	*
17	Blacksod Point	993.5	+20	N	3	bc	47	85	8	5	-	-	4-6	4-6	800	0	3
18	Malin Head	992.2	+16	S	1	c	45	95	8	5	1	-	9	10	4000	0	2
	Aldergrove	992.0	+12	NNE	2	c/r	45	95	6	5	2	-	7-8	10	1500	1	*
	Donaghadee	991.2	+16	E	6	rr	47	95	7	6	-	-	10	10	800	1	3
19	Birr Castle	988.6	+18	SW	1	rr	43	95	7	6	-	-	10	10	1500	1	*
20	Valentia Obsy.†	991.7	+34	N	4	bc	47	85	8	5	-	-	4-6	4-6	2500	1	*
	Roches Point	989.4	+28	NW	4	c	47	95	8	5	-	-	7-8	7-8	2500	1	5

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 7th Hrs. (36)
1	London (Kew)	54	48	45	Tr	3	4.9
	Croydon	56	46	45	1	4	4.2
	S. Farnborough	65	48	46	0.1	7	5.4
	Winchester	64	48	46	0.5	6	3.3
	Boscombe Down	54	44	44	0.1	11	*
	Calshot, (S'thmtn)	55	51	49	1	6	5.5
	Dungeness	56	48	*	0.3	1	*
	Lympne	53	47	46	0.2	0.3	3.5
2	Shoeburyness	55	45	42	0.3	Tr	4.1
	Felixstowe	53	48	43	0.2	-	3.8
	Gorleston	53	47	43	+3	-	1.2
	Cranwell	50	36	30	6	0.4	1.6
3	Cardington	*	*	*	*	*	*
	Birmingham	50	45	39	Tr	3	3.6
	Upper Heyford	52	44	40	-	2	*
	Leafield	51	43	41	0.1	4	3.2
4	Ross-on-Wye	54	47	43	-	8	3.2
5	Portland Bill	55	52	*	4	2	*
	Plymouth	54	48	44	13	1	1.3
	Falmouth	53	52	*	8	0.3	1.8
	Scilly (St. Mary's)	54	49	*	11	3	2.2
	Guernsey	55	51	49	8	4	3.5
6	Pembroke	53	47	*	0.6	6	4.0
7	Holyhead	54	46	41	-	1	8.0
	Chester (Sealand)	54	39	32	-	1	5.3
8	L'pool (Bidston)	51	44	41	-	1	4.8
9	Harrogate	46	39	34	3	3	0.0
10	Spurn Head	49	45	*	0.2	0.2	0.6
	Tynemouth	51	43	35	1	0.6	*
11	Inchkeith	49	42	33	3	3	0.0
	Leuchars	50	35	27	2	4	0.0
12	Renfrew	48	35	31	4	4	0.0
	Eskdalemuir	45	39	36	5	1	0.0
13A	Tiree	51	45	40	Tr	3	1.3
13B	Stornoway	52	44	*	-	6	3.4
15	Dalwhinnie	45	33	31	4	7	0.0
	Aberdeen	50	42	38	1	5	0.0
	Wick	50	48	*	-	4	*
16	Lerwick	50	48	*	-	13	0.0
17	Blacksod Point	50	45	*	-	Tr	*
18	Malin Head	52	44	*	-	-	7.8
	Aldergrove	52	37	32	1	1	7.2
	Donaghadee	54	46	*	0.4	5	*
19	Birr Castle	61	42	39	-	3	5.9
20	Valentia Obsy.†	51	46	42	3	2	0.0
	Roches Point	56	45	*	6	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 8h.)	Weather Afternoon (24 hrs. ended 8h.)	Weather Night (24 hrs. ended 8h.)	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	cmbc	bcpr.	bccr	54	48	45	Tr	3	4.9	*	*	5
CROYDON	217	cr.mbc	bcPRm.	bcorm.	56	46	45	1	4	4.2	*	*	6
GREENWICH (Royal Observatory)	149	cbc	bcp	bccd	56	47	37	Tr	2	4.2	65	94	5
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	4.2	*	*	*
WESTMINSTER (St. James' Park)	27	*	*	*	57	48	42	1		4.2	59	89	*
REGENTS PK. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	4.2	*	*	*
CAMDEN SQUARE	110	c	c	*	54	48	41	-	1	*	*	94	*
KENSINGTON	80	ombc	bc	*	55	48	43	-	1	3.9	At 18h. 77 %	95	*
HAMPSTEAD OBSERVATORY	450	ombc	od	*	54	44	43	0.1	1	3.5		94	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

SOUTH KENSINGTON. Max.	Time.	Min.	Time.
1.1	18h 7th	NIL	0-6h 8th

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0.4	18h 7th	<0.1	3h. 8th.

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 7th Nov. Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 8th Nov. 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	1001.5	SSE	3	b	50	993.8	SE	4	ir.	46	54	46	-	Tr
BRUSSELS	1002.6	S	3	b	46	997.6	E	3	b	41	52	41	0.1	-
BERLIN	1006.0	SSE	2	c	48	1006.1	SSE	3	c	43	55	41	-	-
ZÜRICH	1010.6	N	1	o	48	1003.2	NE	1	F	37	55	36	-	-
ROME	1009.4	SSE	?	u	55	1008.9	SSE	3	bc	48	63	46	13	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 "	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	ecipitous.
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.

TION

&1931.

URS.

...ALL. Night 18h-7h mm. (35)	SUNSHINE 7th Hrs. (36)
3	4.9
4	4.2
7	5.4
6	3.3 *
11	
6	5.5 *
1	
0.3	3.5
Tr.	4.1
-	3.8
-	1.2
0.4	1.6
*	*
3	3.6 *
2	
4	3.2
8	3.2
2	*
1	1.8
0.3	1.8
3	2.2
4	3.5
6	4.0
1	8.0
1	5.3
1	4.8
3	0.0
0.2	0.6
0.6	*
3	0.0
4	0.0
4	0.0
1	0.0
3	1.3
6	3.4
7	0.0
5	0.0
4	*
13	0.0
Tr.	*
-	7.8
1	7.2
5	*
3	5.9
2	0.0
5	*

S, etc.

...—Code for
bility.
t visible at
55 yards.
220 ,,
560 ,,
100 ,,
1½ miles.
2½ ,,
6¼ ,,
12½ ,,
31 ,,
yond 31m.

Code for
ea.
ry rough.
gh.
ry high.
ecipitous.
nfused.

tor.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 9th November 1931.

No. 25554

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0-10 (12)	Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	992.4	-4	E	3	cf	49	86	3	5	2	-	7-8	10	1500
	Croydon ...	992.6	0	SE'E	2	c/r	49	95	6	5	-	-	10	10	1500
	S. Farnborough	991.9	+4	E	1	c/r	49	96	6	5	-	-	10	10	800
	Winchester ...	991.1	+2	E'S	3	roro	49	95	7	6	2	-	7-8	10	800
	Boscombe Down	991.2	+6	ESE	3	r.r.	49	95	6	6	2	-	9+	10	800
	Calshot, S'thmtn	990.8	+8	E'S	4	d.d.	60	95	5	6	2	-	7-8	10	800
	Dungeness ...	*	*	SSE	4	c	*	*	7	5	1	*	7-8	9	1500
	Lympne ...	992.9	-2	SE	3	o	48	85	7	5	-	-	10	10	800
2	Shoeburyness	994.4	-2	SE	3	c/r	50	86	7	5	1	-	4-6	9	1500
	Felixstowe ...	994.9	+2	E	4	c	50	85	8	5	2	-	4-6	9+	1500
	Gorleston ...	994.9	-2	SSE	5	bc	51	85	7	4	9	-	2-3	4-6	4000
	Cranwell ...	994.5	+2	ESE	3	o	49	95	6	6	-	-	10	10	800
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	993.6	+6	ESE	2	iro	48	95	5	6	-	-	10	10	800
	Upper Heyford	992.8	+2	ESE	3	rr	47	96	5	6	-	-	10	10	460
	Leafield ...	992.0	+8	E'S	3	rr	47	95	6	6	-	-	10	10	450
4	Ross-on-Wye ...	991.7	+8	E	3	o/d	51	86	7	6	-	-	10	10	1500
5	Portland Bill...	992.3	+8	ESE	5	rr	52	96	7	6	-	-	10	10	1500
	Plymouth ...	989.5	+12	NE	2	c	56	85	8	2	3	1	4-6	7-8	4000
	Falmouth ...	989.7	+4	NE	1	bc	56	85	8	9	-	-	4-6	4-6	4000
	Scilly (St. Mary's)	990.9	+18	NNW	4	bc	56	86	7	2	4	9	2-3	4-6	4000
	Guernsey ...	988.6	+12	ESE	1	c	54	85	7	8	6	-	4-6	9	1500
6	Pembroke ...	990.8	+6	SE	1	c	54	85	6	8	4	-	2-3	7-8	2500
7	Holyhead ...	992.8	+6	ESE	1	c	55	85	7	5	8	-	2-3	7-8	4000
	Chester (Sealand)	993.1	+6	ESE	3	o	50	95	5	5	-	-	10	10	800
8	L'pool (Bidston)	993.1	+2	E	3	id.	49	95	4	5	-	-	10	10	800
9	Harrogate ...	994.9	+6	ESE	1	rf	47	96	3	6	2	-	9+	10	<150
10	Spurn Head ...	994.8	0	SE'S	5	c	50	95	7	5	7	9	2-3	9	4000
	Tynemouth ...	995.6	+8	SE	2	iro	50	95	6	6	-	-	10	10	1500
11	Inchkeith ...	996.3	+4	ENE	1	c	48	95	6	5	-	-	9+	9+	2500
	Leuchars ...	996.3	+6	ESE	1	c	50	95	6	5	3	-	9+	9+	4000
12	Renfrew ...	996.1	+6	NE	2	bc	47	95	4	5	3	-	4-6	4-6	4000
	Eskdalemuir ...	994.8	+4	ESE	2	c	50	86	7	5	3	2	7-8	9	1500
13A	Tiree ...	994.9	+8	-	0	cjp	49	85	8	6	3	-	7-8	9+	1500
13B	Stornoway ...	993.0	+10	SW	3	c	49	95	8	8	9	-	4-6	9	1600
15	Dalwhinnie ...	996.1	+2	NE	3	c	44	76	5	4	-	-	7-8	7-8	800
	Aberdeen ...	996.5	+4	SSE	4	iro	51	96	6	6	7	-	9	10	1600
	Wick ...	996.3	+16	S	4	c	49	85	8	8	6	1	4-6	7-8	1600
16	Lerwick ...	997.4	+16	S	2	c	50	86	7	8	-	-	7-8	7-8	1500
17	Blacksod Point	996.1	+6	N	5	PR	52	86	8	3	-	-	9	9	450
18	Malin Head ...	994.5	+10	E	1	bc	50	95	6	2	-	9	4-6	4-6	2600
	Aldergrove ...	993.7	+2	ENE	2	c/pr	49	95	6	8	3	-	7-8	7-8	1500
	Donaghadee ...	993.4	+6	E'S	3	bc	52	85	7	5	-	-	4-6	4-6	1500
19	Birr Castle ...	994.0	+16	NNW	1	roro	46	96	7	6	-	-	10	10	1600
20	Valentia Obsy.	995.6	+10	N	4	bc	53	65	8	8	-	9	2-3	4-6	2500
	Roches Point...	993.9	+20	N	5	bc	49	85	8	5	-	-	4-6	4-6	2500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Amount Low 0-10 (26)	Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	996.0	+20	E	2	o	49	85	4	5	-	-	10	10	1500	1	*
Croydon	994.7	+18	E'N	2	c	47	95	6	5	-	-	10	10	1500	1	*
S. Farnborough	993.5	+6	E	1	o/d	47	96	6	5	-	-	10	10	800	1	*
Winchester	993.8	+18	E'N	2	iro	48	95	7	6	-	-	10	10	800	1	*
Boscombe Down	994.2	+18	ESE	2	c/r	47	96	6	6	2	-	9+	10	800	1	*
Calshot, S'thmtn	993.6	+20	ENE	3	ido	51	95	6	6	2	-	7-8	10	1500	1	1
Dungeness	*	*	SSE	2	c	*	*	7	5	1	*	7-8	9	1500	*	2
Lympne	994.9	+16	ESE	3	o	49	85	6	5	-	-	10	10	800	1	*
Shoeburyness	996.5	+6	SE	1	o	49	95	7	5	-	-	10	10	2600	1	*
Felixstowe	996.9	+10	ESE	3	c	50	95	7	5	-	-	10	10	1500	0	2
Gorleston	996.8	+6	S	4	o	50	85	6	6	-	-	10	10	1500	0	2
Cranwell	996.7	+6	E'S	1	c	47	95	5	5	2	-	7-8	10	1500	1	*
Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birmingham	996.3	+10	SE	2	roro	47	95	4	6	-	-	10	10	800	1	*
Upper Heyford	994.8	+14	E	2	roro	46	95	4	6	-	-	10	10	450	1	*
Leafield	994.5	+12	ESE	3	dodo	46	95	6	6	-	-	10	10	460	1	*
Ross-on-Wye	994.3	+12	E	2	dodo	48	95	4	6	-	-	10	10	800	1	*
Portland Bill	992.7	+18	NE	3	c	52	96	6	8	-	-	9	9	1600	1	5
Plymouth	993.3	+16	E	1	iro	52	95	7	8	3	-	7-8	9	4000	1	2
Falmouth	993.1	+8	NW'N	2	bc	51	95	7	3	-	-	2-3	2-3	4000	1	0
Scilly (St. Mary's)	993.8	+10	NNW	3	c	51	95	7	8	-	-	7-8	7-8	4000	1	2
Guernsey	992.6	+28	NNW	1	bc	50	95	8	5	-	-	4-6	4-6	2500	1	4
Pembroke	993.1	+16	SE	1	c/r	51	95	6	3	6	-	4-6	7-8	1600	1	2
Holyhead	994.0	+8	ESE	1	bc	50	96	5	2	3	-	Tr.	4-6	4000	1	0
Chester (Sealand)	994.8	+12	E'S	3	DD	48	96	4	5	-	-	10	10	800	1	*
L'pool (Bidston)	994.3	+10	E'S	3	dodo	48	95	4	5	-	-	10	10	800	2	*
Harrogate	996.3	+6	ESE	1	o	46	95	5	5	-	-	10	10	2600	1	*
Spurn Head	995.7	+2	SE'S	3	c	49	95	7	-	3	-	0	9+	-	0	3
Tynemouth	996.2	+4	SE	2	iro	50	95	6	6	-	-	10	10	1500	1	2
Inchkeith	996.5	0	NE	1	rr	49	95	7	6	-	-	10	10	1500	1	2
Leuchars	997.2	+6	E	2	roro	49	95	6	6	-	-	10	10	800	1	*
Renfrew	996.7	+6	E	2	o	47	95	5	5	-	-	10	10	2600	1	*
Eskdalemuir	995.8	+6	E	2	rr	47	95	6	5	-	-	10	10	800	1	*
Tiree	994.9	-2	SE	3	bc	45	95	7	8	7	-	4-6	4-6	2500	1	1
Stornoway	993.6	+4	SSW	2	c	48	95	8	5	7	-	7-8	10	1500	1	2
Dalwhinnie	995.8	+2	NW	2	c	44	85	7	4	-	-	7-8	7-8	450	0	
Aberdeen	997.5	+6	SSE	4	iro	50	95	6	6	-	-	10	10	1500	1	1
Wick	996.3	0	SE	6	c	50	95	7	8	1	-	7-8	10	1500	0	4
Lerwick	998.6	+10	S	3	c	50	85	7	5	-	-	9+	9+	1500	0	*
Blacksod Point	994.7	-2	-	0	bc	46	85	7	2	-	-	4-6	4-6	800	0	2
Malin Head	994.0	-4	SSE	2	bc	45	95	6	7	-	-	4-6	4-6	2500	0	2
Aldergrove	994.5	+2	ENE	1	c	47	95	6	8	-	-	9+	9+	1500	1	*
Donaghadee	994.1	+4	SE	3	c	52	85	7	5	-	-	7-8	7-8	1500	0	2
Birr Castle	993.9	0	N	1	c	45	95	7	5	-	-	7-8	7-8	2500	1	*
Valentia Obsy.	994.1	+8	-	0	bc	46	85	8	5	-	-	2-3	2-3	1500	1	3
Roches Point	996.2	+8	N	3	bc	50	75	8	5	-	-	4-6	4-6	2500	0	3

PAST 24 HOURS.

Stations	Weather 7h.—13h. 8th (37)	Weather 13h.—18h. 8th (38)	Weather 18h. 8th to 1h. 9th (39)	Weather 1h.—7h. 9th (40)
London (Kew)	crormocf	crofom	om	omcmo
Croydon	crorom o	cmo	cbcmo	bccmo
S. Farnborough	orr	oroido	ocbf	bFcm
Winchester	oroℛo	coiroor	orocbc	bccromo
Boscombe Down	cror o	crrmo	ororo	ororo
Calshot, S'thmtn	cidomo	cdodomo	cmobcrq	cbccr
Dungeness	bc	wbc	*	p
Lympne	crodo	odoro	crororc	c
Shoeburyness	ciro	co	oc	ciro
Felixstowe	bcc	c	c	c
Gorleston	bcq	bccO	oidobc	bcoir
Cranwell	ororo	mcro	cmoro	cofe
Cardington	*	*	commo	om
Birmingham	oiro	ororo	oror	o
Upper Heyford	ororr	orrorom	ororm	oFF
Leafield	oror	orddo	or	roofr
Ross-on-Wye	oird	orododo	dmom	oc
Portland Bill	iriRrr	rrczo	cirocz o	cproczo
Plymouth	crobc	bccro	cR	cro
Falmouth	cirbc	bcP	bc	bccroz
Scilly (St. Mary's)	cbc	bccrc	cbcc	ciro
Guernsey	ororo	cbcc	bccpo	bcco
Pembroke	c	irc	co	oqir
Holyhead	bc, pro	bcmo	bcmo,do	PR
Chester (Sealand)	odororo	odoDDm	rorobc	b,cmo
L'pool (Bidston)	orrmd	cmddm	romo	oir
Harrogate	offrr	rrfp	pmfido	offidoir
Spurn Head	bc	cbcc	odbc	bcproc
Tynemouth	oiro	oiro	oiro	o
Inchkeith	c	crr	orrircbc	c
Leuchars	cromcmo	cororomo	ororoom	ociromo
Renfrew	rdocm	bccmo	o,roro	omo
Eskdalemuir	coidoc	ciroorr	orro	oiroo
Tiree	cu	ciroc	bccir	ciR
Stornoway	cu	c	cb	cpro
Dalwhinnie	c	c		c
Aberdeen	oiro	oiroir	rooco	oc
Wick	c	c	cproc	c
Lerwick	orooromo	c	c	cpro
Blacksod Point	prcq	bc	prc	irq
Malin Head	cbczozo	bcczozo	cbczozo	bcczozo
Aldergrove	rrirо	c	cmo	cpr
Donaghadee	rorobc	bcc	croro	cir
Birr Castle	orcorro	oroc	c	corr
Valentia Obsy.	bc	bcbbc	bcwc	rrqc
Roches Point	cbc	bc	bc	bcpc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220-1100 yds.
F, thick fog, ,, less than 220 yds.
fe, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/so, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
so/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

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

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

< less than (for cloud height).

⊕, 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.

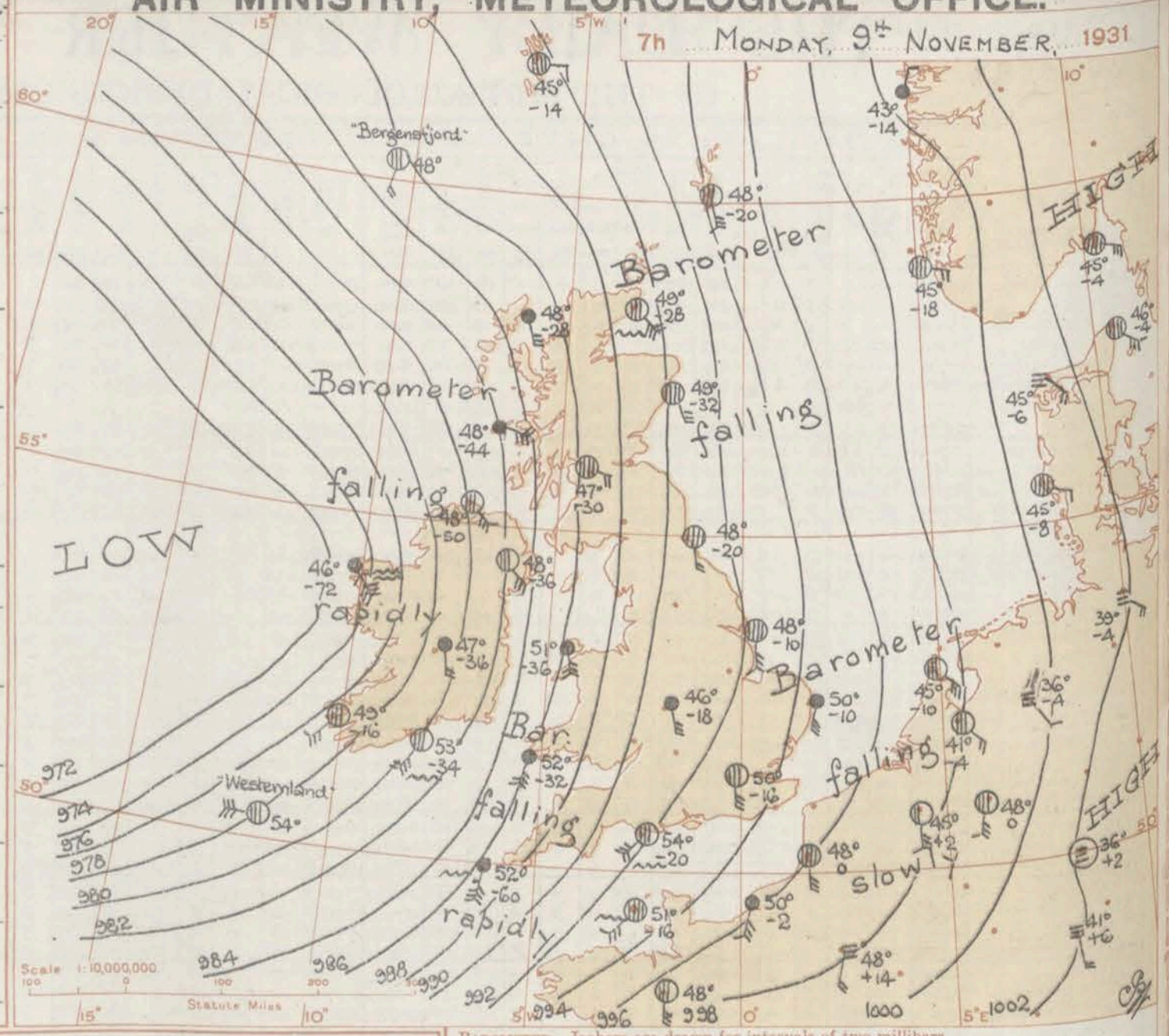
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 8th November 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 7th 9h. to 8th 9h.	Temperature. Max. 9h.—17h. 8th	Rainfall. Night. 7th 17h. to 8th 9h.	Rainfall. Day. 9h.—17h. 8th	Sunshine. Sunrise to Sunset.
1	Tunbridge W.	odo	od	46	49	11	0.5	0.0
	Bournemouth	codo	omr	42	51	11	1	0.0
	Ventnor ...	orou	oud	50	51	5	0.5	0.0
	Southsea ...	orr	or	50	51	8	3	0.0
	Bognor Regis	crbc	oc	49	52	5	1	0.0
	Littlehampton	crc	c	42	52	6	1	0.0
	Worthing ...	or.r	r.o	48	52	7	1	0.0
	Brighton ...	r	o	50	52	7	1	0.0
	Eastbourne†	oir.o	oir.o	49	53	5	Trace	0.0
	Hastings† ...	ormo	o	48	52	6	1	0.0
	Folkestone ...	oro	oid.c	47	51	0.3	1	0.0
	Dover... ...	ro	coc	48	52	Trace	1	0.0
	Deal	o	o	47	51	Trace	-	0.3
	Ramsgate ...	cr	co	47	51	-	Trace	0.5
	Margate ...	cd	c	47	52	-	Trace	0.2
2	Southend ...	or.co	oco	47	49	0.1	0.3	0.2
	Maldon ...	cor.	co	44	50	0.3	0.3	0.1
	Clacton-on-Sea	bcc	c	48	50	-	-	0.0
	Dovercourt ...	bcoc	oc	48	51	-	-	1.5
	Lowestoft ...	c	c	48	52	-	-	3.1
	Skegness ...	bccm.	com.	47	51	0.3	-	0.8
	Mablethorpe	ocm.	cm.	42	52	0.5	-	0.7
	Cleethorpes ...	oc	co	38	51	0.3	-	0.3
3	Leamington S.	or	or	45	49	0.4	6	1.0
4	Cheltenham†	oc	or.r	46	51	4	1	0.0
5	Bath	circ	c	42	52	3	0.5	0.0
	Weymouth ...	cirr	rr r.	50	54	2	4	0.0
	Jersey ...	crc	bccd	50	55	8	0.1	0.8
	Torquay ...	bcRp	opm.	43	55	7	1	0.3
	Penzance ...	cb	b	49	59	5	-	6.1
	St. Ives ...	b	b	48	55	3	-	5.3
	Bude	bc	bcr	46	56	5	2	1.4
	Ilfracombe ...	od	od	46	54	1	1	0.0
6	Aberystwyth	cir.	cir.c	45	56	0.5	1	1.4
7	Llandudno ...	doc	c	43	53	0.4	0.1	0.1
	Colwyn Bay...	orro	oco	40	52	0.3	2	0.0
	Rhyl	or.o	o	42	52	0.3	0.6	0.0
8	Wallasey ...	o	oir	:	50	-	1	0.0
	Southport‖ ...	codr	odr	40	51	1	3	0.0
	Blackpool ...	odo	od	41	51	0.6	1	0.0
	Morecambe ...	mopo	ddoro	43	51	0.3	4	0.0
9	Ilkley... ...	frr	of	36	48	2	5	0.0
10	Berwick-on-T.	ro.r.o	ro.obc	41	50	3	1	0.0
11	Dunbar ...	or.o m.	orr m.	43	51	4	1	0.0
12	Douglas ...	cbc	ob.dfr	40	52	3	1	0.5

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



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. 9th Nov, 1931.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Wind south or southwest, moderate or fresh, strong locally; cloudy or dull with occasional rain today; fairer later; rather mild.
5. S.W. England 6. South Wales	Wind southwesterly, fresh, strong or gale on coast; cloudy; some rain or showers; moderate temperature.
7. North Wales 8. N.W. England	Wind south or southwest, fresh, strong or gale on coasts; cloudy or dull; occasional rain or showers; moderate temperature or rather mild.
9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind southeast or south, fresh; cloudy or dull; some rain; moderate temperature or rather mild.
12. S.W. Scotland & Isle of Man	
13. A. W. Scotld. B. N.W. Scotland.	Wind southeast or south, fresh or strong, gale locally on coast; cloudy or dull; rain at times; moderate temperature.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Wind southeasterly, moderate to strong; cloudy or dull; rain at times; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland	As 7 - 8.
19. S.E. Ireland 20. S.W. Ireland	Wind southwest or west, fresh or strong, perhaps gale on coast; cloudy; occasional rain or showers; moderate temperature.

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

GENERAL INFERENCE.

An intense depression is advancing from westward of Ireland. Weather will be unsettled generally and rather mild. Winds will be mainly between southeast and southwest, reaching gale at times on the South and West coasts.

FURTHER OUTLOOK.

Unsettled.

Time of issue of Gale Warnings.

South cone at 0205 on 9th in Districts 13A, 13B, 17, 18, 19 and 20.
South cone at 0810 on 9th in Districts 5,6,7, 8 and 12.

Forecasts issued at 0940 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

Monday 9th November 1931.

No. 25554

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

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	995.4	-2	–	0	bc	46	95	5	5	-	-	2.3	2.3	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	995.2	+2	NE'N	1	c	50	95	6	5	-	-	7.8	7.8	2500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	995.2	+4	SSE	3	c/r	50	95	7	5	2	-	4.6	10	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	996.3	0	SSW	2	bc	50	95	6	-	4	-	0	4.6	-
	Cranwell ...	240	995.2	-6	SE'S	2	c	46	95	5	5	-	-	10	10	1500
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	994.2	+4	NNE	1	c	50	95	6	4	1	-	4.6	7.8	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	995.1	-6	WSW	2	bc	48	95	7	5	7	-	4.6	4.6	4000
	Scilly (St. Mary's)	163	995.2	-10	SW'W	4	c	50	95	8	2	-	-	7.8	7.8	4000
	Guernsey ...	175	995.4	0	-	0	bc/pr	50	95	9	8	-	-	4.6	4.6	2600
6	Pembroke ...	142	992.4	-16	SW	2	c	51	95	7	3	6	-	4.6	10	1500
7	Holyhead ...	26	993.2	-12	S	2	bc	50	95	7	5	-	-	4.6	4.6	800
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	994.8	0	S'E	3	bc	48	95	6	5	-	-	2.3	2.3	1500
	Tynemouth ...	67	994.3	-16	SE	2	o	49	95	6	6	-	-	10	10	1500
11	Inchkeith ...	190	994.1	-12	SE	2	bc	47	95	8	5	-	-	4.6	4.6	4000
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	991.0	-12	SSE	3	b	48	95	7	-	-	-	0	0	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	994.4	-8	SE	5	c	50	85	7	8	1	-	7.8	~~10~~ 9	1500
16	Lerwick ...	54	997.8	-6	S	3	c	49	85	7	5	-	-	7.8	7.8	1600
17	Blacksod Point	18	988.5	-26	ESE	3	c/pr	46	95	6	6	-	-	9+	9+	<150
18	Malin Head ...	52	988.5	-40	SSE	3	b	46	95	6	5	-	-	1	1	2500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	987.7	-22	SE	4	r.r.	50	95	7	6	-	-	10	10	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)...	992.5	-14	S'E	2	c	49	95	6	5	7	8	1	7.8	2500	1	*
	Croydon ...	993.3	-16	S	3	c	50	95	6	5	7	1	7.8	9	2500	1	*
	S. Farnborough	992.1	-16	SSE	2	m	47	95	4	5	-	-	9+	9+	1500	1	*
	Winchester ...	991.7	-18	S'E	2	ic	46	95	5	5	-	-	9	9	1500	1	*
	Boscombe Down	992.1	-18	SSE	3	o/ic	47	95	5	5	-	-	10	10	450	1	*
	Calshot, (S'thmtn)	993.7	-22	SSE	3	ir	51	95	6	6	7	-	4-6	9+	1500	1	1
	Dungeness ...	*	*	SW	3	iR	*	*	6	8	1	*	7.8	9	800	*	2
	Lympne ...	993.9	-10	SSW	4	c	51	95	7	5	2	-	7.8	10	1500	1	*
2	Shoeburyness	994.1	-14	S'E	2	ic	50	95	7	5	2	-	2.3	9+	1500	1	*
	Felixstowe ...	994.4	-10	SE'S	3	c	51	95	7	5	-	-	10	10	1500	0	2
	Gorleston ...	994.2	-10	SSW	3	ir	50	95	6	6	-	-	10	10	1500	1	3
	Cranwell ...	991.9	-16	S'E	2	f	45	95	3	5	-	-	10	10	220	1	*
3	Cardington ...	992.1	-20	SSE	3	m	47	95	4	5	-	-	10	10	220	*	*
	Birmingham ...	991.0	-18	SSE	3	ic	46	95	5	6	-	-	10	10	450	1	*
	Upper Heyford	992.0	-20	SE	3	f-	46	95	3	5	-	-	10	10	<150	1	*
	Leafield ...	991.1	-16	SE'S	3	rF	45	95	1	5	-	-	10	10	<150	1	*
4	Ross-on-Wye ...	990.0	-16	S	4	c	48	95	7	5	7	-	2.3	7.8	800	1	*
5	Portland Bill...	991.0	-20	SW	5	c	54	75	6	8	6	-	4.6	7.8	1500	1	5
	Plymouth ...	989.6	-20	S	4	ic	52	85	6	6	2	-	7.8	10	1500	1	3
	Falmouth ...	987.8	-16	SSW	6	ic	52	85	7	5	2	-	7.8	10	2500	1	3
	Scilly (St. Mary's)	984.7	-60	S'W	7	ic	52	95	6	6	-	-	10	10	2500	1	4
	Guernsey ...	993.5	-16	SW	4	c	51	75	7	8	-	-	10	10	2500	1	4
6	Pembroke ...	986.2	-32	SSW	5	ic	52	85	7	3	8	-	4.6	10	1500	1	3
7	Holyhead ...	986.2	-36	S'E	5	pr	51	85	8	3	2	-	4.6	10	1500	1	2
	Chester (Sealand)	988.4	-30	SE'S	4	c	47	95	6	5	-	-	9	9	800	1	*
8	L'pool (Bidston)	987.3	-16	SE	4	ir	46	95	6	5	-	-	10	10	1500	1	*
9	Harrogate ...	990.4	-14	SE	1	df	45	95	3	·	·	·	10	10	<150	1	*
10	Spurn Head ...	991.2	-10	S'W	4	c	48	95	6	4	3	-	4.6	7.8	2500	1	3
	Tynemouth ...	990.7	-20	S	2	o	48	95	6	6	-	-	10	10	1500	0	2
11	Inchkeith ...	987.9	-30	ESE	2	c	47	95	7	5	2	-	7.8	10	2500	1	2
	Leuchars ...	988.5	-32	ESE	2	ic	47	95	6	6	1	-	9	10	800	1	*
12	Renfrew ...	987.0	-30	ESE	2	o	47	85	5	5	-	-	10	10	1500	1	*
	Eskdalemuir ...	987.4	-24	SSE	3	o	44	95	6	5	-	-	10	10	800	1	*
13A	Tiree ...	981.8	-44	ESE	5	RR	48	95	6	9	2	-	7.8	10	1500	1	3
13B	Stornoway ...	984.7	-28	SSE	3	r	48	95	7	6	2	-	7.8	10	2500	1	1
15	Dalwhinnie ...	~~986.7~~ 987.2	-22	SW	3	c	44	85	6	8	2	-	7.8	9	800	1	*
	Aberdeen ...	988.9	-32	SSE	3	c	49	85	6	5	-	-	10	10	1500	1	1
	Wick ...	988.6	-28	SE	5	c	49	85	7	8	1	-	7.8	10	1500	0	4
16	Lerwick ...	994.0	-20	SSE	4	c	48	95	7	8	4	-	7.8	9	1500	1	*
17	Blacksod Point	972.9	-72	SE	8	rr	46	95	7	6	-	-	10	10	<150	1	7
18	Malin Head ...	979.2	-50	SE'S	4	c	48	95	6	6	1	-	7.8	10	800	0	2
	Aldergrove ...	982.4	-36	SE'S	3	c	48	85	7	8	2	-	4.6	10	1500	1	*
	Donaghadee ...	982.8	-40	S'E	3	ir	50	95	7	6	-	-	9	9	800	1	2
19	Birr Castle ...	977.4	-36	S	2	rr	47	95	7	6	-	-	10	10	1500	1	*
20	Valentia Obsy.†	977.4	-16	SW	4	c	49	85	8	6	2	-	4.6	7.8	2500	1	-
	Roches Point...	979.8	-34	SW	5	c	53	95	8	6	-	-	7.8	7.8	1500	1	5

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 8th Hrs. (36)
1	London (Kew)...	50	45	38	2	Tr	0.0
	Croydon ...	50	45	41	1	-	0.0
	S. Farnborough	49	41	32	3	0.1	0.0
	Winchester ...	50	41	37	2	0.2	0.0
	Boscombe Down	50	46	44	2	1	*
	Calshot, (S'thmtn)	53	45	41	2	0.3	0.0
	Dungeness ...	52	51	*	0.6	1	*
	Lympne ...	49	48	48	1	0.2	0.0
2	Shoeburyness	51	47	46	Tr.	0.2	0.0
	Felixstowe ...	51	48	45	-	-	1.2
	Gorleston ...	51	49	46	-	0.6	1.4
	Cranwell ...	49	44	42	0.5	Tr	0.0
3	Cardington ...	*	*	*	*	*	*
	Birmingham ...	48	45	43	5	2	0.0
	Upper Heyford	48	45	45	5	2	*
	Leafield ...	48	45	45	5	1	0.0
4	Ross-on-Wye ...	52	47	45	2	0.2	0.0
5	Portland Bill...	54	49	*	2	0.1	*
	Plymouth ...	58	48	43	1	4	2.3
	Falmouth ...	57	48	*	3	Tr	4.2
	Scilly (St. Mary's)	56	49	*	3	0.4	5.7
	Guernsey ...	54	46	38	0.4	0.1	1.4
6	Pembroke ...	55	47	*	4	Tr	1.2
7	Holyhead ...	55	49	45	Tr.	1	2.3
	Chester (Sealand)	50	44	40	2	0.6	0.0
8	L'pool (Bidston)	49	45	43	2	1	0.0
9	Harrogate ...	47	45	44	3	0.1	0.0
10	Spurn Head ...	51	47	*	Tr.	Tr	0.4
	Tynemouth ...	50	47	44	1	0.1	*
11	Inchkeith ...	50	46	41	1	1	0.1
	Leuchars ...	51	47	43	1	0.5	0.0
12	Renfrew ...	48	45	42	2	2	0.2
	Eskdalemuir ...	50	43	41	3	1	0.3
13A	Tiree ...	52	41	29	0.1	7	~~7.0~~
13B	Stornoway ...	50	47	*	0.2	1	0.1
15	Dalwhinnie ...	46	42	42	-	3	0.0
	Aberdeen ...	51	48	46	3	0.1	0.0
	Wick ...	50	48	*	-	0.1	*
16	Lerwick ...	50	~~(48)~~ 47	*	Tr.	Tr	1.3
17	Blacksod Point	52	43	*	0.4	3	*
18	Malin Head ...	53	44	*	-	-	2.9
	Aldergrove ...	60	43	37	3	0.3	0.9
	Donaghadee ...	53	48	*	2	5	*
19	Birr Castle ...	46	40	30	2	2	0.0
20	Valentia Obsy.†	53	39	33	-	10	7.5
	Roches Point...	52	41	*	-	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	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	cr₀rm₀cf	cr₀fom	pmcm₀	50	45	38	2	Tr	0.0	*	*	5
Croydon ...	217	cr₀r₀m₀	cm₀	bccm₀	50	45	41	1	-	0.0	*	*	6
Greenwich (Royal Observatory) ...	149	cdr	cdc	cpmcr	49	45	35	1	1	0.0	88	97	5
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	51	48	42	* 2		0.0	89	89	*
Regents Pk. (Botanic Gardens) ...	168	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square ...	110	or	o	*	48	46	39	2	0.5	*	*	94	*
Kensington ...	80	odr	odrco	*	49	45	38	2	0.1	0.0	At 18h. 94	93	*
Hampstead Observatory ...	450	orm	of	*	48	44	35	3	0.1	0.0	*	94	*

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

SOUTH KENSINGTON.			
Max.	Time.	Min.	Time.
2.0	13h 8th	0.3	6-7h 9th

KEW OBSERVATORY.			
Max.	Time.	Min.	Time.
1.0	23h 8th	0.3	7h 9th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 8th November Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 9th November 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 ...	993.8	ESE	3	c	52	997.8	SSW	2	m	48	57	46	0.3	0.2
Brussels ...	996.6	ESE	3	b	48	997.9	S	4	c	45	54	43	Tr	-
Berlin ...	1003.0	ESE	3	bc	50	1003.5	SE	3	c	45	54	45	-	-
Zurich ...						1005.4	W	1	m	41		39		-
Rome ...	1003.4	SSE	2	u		998.9	-	0	r₀r₀	57	61	54	9	15

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

Tuesday, 10th November 1931.

No. 25.555

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

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)...	985.4	-4.2	S	4	c|pr	51	75	6	5	2	-	7.8	10	1500
	Croydon ...	986.2	-4.6	S'W	4	ir	52	75	6	5	7	-	7.8	9+	1500
	S. Farnborough	984.5	-4.6	SSE	4	rr	49	85	6	6	-	-	10	10	450
	Winchester ...	982.5	-6.2	S	5	RR	49	95	6	6	-	-	10	10	800
	Boscombe Down	982.5	-5.8	SE	5	rr	49	95	5	6	-	-	10	10	450
	Calshot, S'thmtn	984.2	-5.8	SSE	6	rr	51	95	5	6	-	-	10	10	800
	Dungeness ...	*	*	S	5	c|pr	*	*	7	8	2	*	7.8	9	1500
	Lympne ...	988.0	-4.0	SW	5	c|pr	51	85	7	5	2	-	7.8	10	800
2	Shoeburyness	988.7	-2.8	SSW	5	c	52	85	7	5	-	-	9+	9+	1500
	Felixstowe ...	988.4	-3.4	SE'S	4	c|r	52	95	7	5	-	1	9	10	1500
	Gorleston ...	987.9	-3.0	SSW	6	c	51	95	6	8	-	-	9+	9+	1500
	Cranwell ...	983.8	-4.6	SE	4	c	50	95	6	6	2	-	7.8	10	800
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	982.6	-3.6	SSE	3	rr	47	95	5	6	-	-	9	9	800
	Upper Heyford	983.3	-4.4	SSE	4	ir	48	95	6	6	-	-	10	10	800
	Leafield ...	981.4	-5.0	SSE	6	iR	47	95	7	6	-	-	10	10	450
4	Ross-on-Wye ...	979.6	-5.0	S'E	3	rr	49	95	7	6	-	-	10	10	1500
5	Portland Bill...	981.0	-5.0	S'W	6	c|r	55	85	6	8	2	-	7.8	10	2500
	Plymouth ...	982.0	-1.8	S'W	5	c|r	53	85	7	5	7	-	9	9+	2500
	Falmouth ...	982.0	-2	WSW	4	q	51	95	8	8	-	-	7.8	7.8	4000
	Scilly (St. Mary's)	981.5	-1.8	W'S	7	c|p	53	95	7	9	6	-	4.6	7.8	2500
	Guernsey ...	984.6	-4.4	SW	4	c|r	54	95	7	8	-	-	9+	9+	1500
6	Pembroke ...	978.5	-2	SW	4	c	53	85	7	3	6	-	4.6	7.8	1500
7	Holyhead ...	976.9	-5.2	SSW	5	rr	51	85	7	6	1	-	7.8	10	1500
	Chester (Sealand)	979.4	-4.2	SE'E	4	rr	48	95	5	6	-	-	10	10	1500
8	L'pool (Bidston)	978.5	-4.2	ESE	4	rr	47	85	5	6	-	-	10	10	1500
9	Harrogate ...	982.7	-3.4	SE	3	c|d	47	95	4	6	2	-	9+	10	<150
10	Spurn Head ...	984.0	-1.4	SSE	5	r	50	95	6	3	2	-	4.6	9+	1500
	Tynemouth ...	983.0	-3.2	SSE	3	o	49	95	6	6	-	-	10	10	1500
11	Inchkeith ...	981.2	-2.8	SE	4	c	49	85	7	5	2	-	4.6	10	2500
	Leuchars ...	982.2	-3.4	ESE	4	c	50	85	6	5	3	8	7.8	9+	1500
12	Renfrew ...	980.3	-3.2	SE	3	ir	49	85	6	6	2	-	9	10	1500
	Eskdalemuir ...	980.5	-3.4	SSE	4	rr	46	85	6	5	-	-	10	10	800
13A	Tiree	975.4	-2.8	SE'E	5	iR	48	95	6	6	2	-	7.8	10	1500
13B	Stornoway ...	977.7	-3.0	SE	4	c	50	75	7	4	5	6	2.3	7.8	1500
15	Dalwhinnie ...	978.9	-2.2	SE	2	r	43	95	6	8	2	-	4.6	10	450
	Aberdeen ...	983.0	-2.8	SSE	4	c	50	85	6	6	2	-	7.8	10	1500
	Wick	982.6	-2.8	SE	5	d_0d_0	49	95	7	8	-	-	10	10	1500
16	Lerwick ...	988.6	-3.4	SSE	4	c|pr	49	95	6	9	-	-	9+	9+	800
17	Blacksod Point	972.0	-8	SSE	7	TLH	52	85	7	9	-	-	9+	9+	220
18	Malin Head ...	973.1	-2.8	SSE	4	c|p	48	95	7	6	1	-	7.8	9+	1500
	Aldergrove ...	975.7	-2.8	SSS	3	ir	47	85	8	6	7	-	7.8	10	1500
	Donaghadee ...	975.4	-4.4	SSW	3	rr	48	95	7	6	-	-	10	10	800
19	Birr Castle ...	974.4	-1.6	SSW	2	c	53	75	8	-	-	9	0	7.8	-
20	Valentia Obsy.	975.0	-1.8	S'W	4	c	54	75	8	5	7	-	4.6	7.8	2500
	Roches Point...	978.2	-4	W	3	bc	53	75	8	3	-	-	4.6	4.6	~~1500~~ 2500

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

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)...	980.9	-1.0	SSW	3	c|pr	51	95	6	8	-	-	7.8	7.8	1500	1	*
	Croydon ...	981.7	-1.0	SSW	3	c|r	50	85	6	5	7	-	4.6	7.8	800	1	*
	S. Farnborough	980.8	-2	SSW	3	b	49	85	8	3	-	3	Tr	Tr	1500	2	*
	Winchester ...	980.9	0	SSW	3	bc	46	95	7	5	-	-	4.6	4.6	1500	1	*
	Boscombe Down	980.9	+2	SSW	3	bc	45	95	7	5	-	-	2.3	2.3	1500	1	*
	Calshot, S'thmtn	981.8	+2	WSW	3	c	51	75	7	8	4	-	7.8	7.8	2500	1	2
	Dungeness ...	*	*	S	7	c	*	*	7	3	1	*	4.6	7.8	1500	*	4
	Lympne ...	982.2	-2.0	SW'W	5	rr	50	95	7	6	1	-	9	10	450	1	*
2	Shoeburyness	981.7	-3.0	WSW	4	b	50	95	7	5	-	-	1	1	2500	1	*
	Felixstowe ...	981.8	-2.6	SE'S	5	ir	50	95	6	6	-	-	10	10	450	1	4
	Gorleston ...	980.7	-3.2	S'W	7	rr	50	95	6	6	-	-	10	10	800	1	4
	Cranwell ...	977.4	-3.4	S	4	c	48	95	6	6	2	-	9	10	800	1	*
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	978.6	0	SW	3	pr	46	95	6	6	-	-	9	9	1500	1	*
	Upper Heyford	979.1	+2	SSW	2	b	46	95	7	5	-	-	1	1	5700	1	*
	Leafield ...	979.2	-6	SSW	3	bc	45	85	8	8	-	-	2.3	2.3	4000	1	*
4	Ross-on-Wye ...	979.1	-4	SW	3	bc	47	85	6	3	-	-	2.3	2.3	2500	1	*
5	Portland Bill...	980.9	+2	WSW	5	c|r	54	75	7	4	2	-	4.6	7.8	1500	2	6
	Plymouth ...	981.7	+2	WSW	5	bc	53	75	7	2	3	-	2.3	4.6	1500	1	3
	Falmouth ...	980.8	0	WSW	5	q	51	85	7	8	-	-	7.8	7.8	4000	0	3
	Scilly (St. Mary's)	980.5	-1.2	WSW	7	q	51	85	6	8	6	-	4.6	7.8	2500	1	4
	Guernsey ...	984.4	-4	WSW	5	iR	54	75	5	6	-	-	10	10	1500	2	4
6	Pembroke ...	977.7	+2.0	SW	4	r	50	95	8	3	6	-	7.8	9	1500	1	3
7	Holyhead ...	976.2	0	WSW	4	u	51	75	8	3	-	-	4.6	4.6	1500	1	2
	Chester (Sealand)	976.1	-1.0	SSE	2	c	46	95	5	5	-	-	7.8	7.8	2500	1	*
8	L'pool (Bidston)	975.8	-1.0	S'W	3	bc	47	85	8	8	1	-	4.6	4.6	2500	1	*
9	Harrogate ...	977.1	-4.6	SE	2	rr	45	95	5	6	2	-	9	10	2500	1	*
10	Spurn Head ...	976.5	-2.4	S'E	6	rr	48	95	6	6	-	-	10	10	800	1	4
	Tynemouth ...	977.1	-2.0	S	3	ir	47	95	6	6	-	-	10	10	1500	1	2
11	Inchkeith ...	976.2	-2.8	SE	3	ir	47	95	7	6	-	-	10	10	1500	1	2
	Leuchars ...	976.8	-2.6	SE	4	c	49	85	6	6	2	-	7.8	10	800	1	*
12	Renfrew ...	975.8	-1.6	SE	2	rr	44	95	6	6	2	-	4.6	10	2500	1	*
	Eskdalemuir ...	975.0	-2.6	SE'S	3	rr	43	95	6	6	2	-	9	10	800	1	*
13A	Tiree	971.9	-1.4	ESE	4	ir	47	95	6	6	-	-	10	10	1500	1	3
13B	Stornoway ...	973.9	-2.0	SE	5	c	51	85	7	9	-	-	9+	9+	1500	1	3
15	Dalwhinnie ...	977.9	-.8	SE	2	rr	44	95	5	6	2	-	7.8	10	800	1	*
	Aberdeen ...	978.1	-2.6	SSE	4	c	50	95	6	5	-	-	9+	9+	1500	1	2
	Wick	978.5	-2.0	SE	5	c	50	95	7	9	1	8	7.8	9+	1500	0	4
16	Lerwick ...	980.2	-1.2	SSE	6	ir	49	95	6	6	-	-	10	10	800	2	*
17	Blacksod Point	965.8	-1.0	SSE	+	PR	51	85	7	9	-	-	9+	9+	220	1	4
18	Malin Head ...	970.8	-1.2	SSE	3	bc	46	95	7	5	7	-	2.3	4.6	4000	0	1
	Aldergrove ...	973.6	-6	SSE	2	bc	43	95	7	-	2	1	0	2.3	-	1	*
	Donaghadee ...	972.9	-6	SSW	1	c	45	95	7	5	-	-	9	9	1500	1	1
19	Birr Castle ...	972.4	-6	S	1	c	46	85	8	3	-	-	7.8	7.8	1500	1	*
20	Valentia Obsy.	972.2	-1.6	S	3	c|pr	50	95	8	6	2	-	4.6	7.8	2500	1	4
	Roches Point...	975.6	-8	SW	3	bc	50	75	8	3	-	-	4.6	4.6	2500	1	5

PAST 24 HOURS.

District	Stations.	Weather 7h.–13h. 9h. (37)	Weather 13h.–18h. 9h. (38)	Weather 18h. 9h. to 1h. 10h. (39)	Weather 1h.–7h. 10h. (40)
1	London (Kew)...	cpr$_3$o	cr$_0$m$_0$bccp	bcm$_0$b	bccprc
	Croydon ...	crrm$_0$r$_0$	crrm$_0$r$_0$	cbm$_0$	bcprrrm$_0$
	S. Farnborough	cmforr	RRqcqprb	bbc	bccpr
	Winchester ...	cr$_0$orrm$_0$	oRRcpr	bccprb	bbccpraq
	Boscombe Down	cr$_0$orr	prqbc	bcc	cpr
	Calshot, S'thmtn	bcxorr	orrm$_0$c	bbcprq	bbcqpr
	Dungeness ...	bc	r	*	p
	Lympne ...	r$_0$rc	orrm$_0$	cr$_0$cb	cRr$_0$c
2	Shoeburyness	c	crrbc	b	bccrr
	Felixstowe ...	cr$_0$	crbm$_0$	o$_0$bcc	c
	Gorleston ...	oir$_0$cq	orrqo	orrbcb	bbc
	Cranwell ...	fcr$_0$	corr	cprb	bc
3	Cardington ...	*	*	bcb	bbcm$_0$
	Birmingham ...	cr$_0$	orrbc	prbcc	circ
	Upper Heyford	or$_0$r$_0$m$_0$	Rcbc	b	bw
	Leafield ...	pfiRc	Rcbc	bcw	bcpbc
4	Ross-on-Wye ...	bcorr	rcbc	bbcoir	cir
5	Portland Bill...	rrRR$_3$o	cRRc	c	cPRc
	Plymouth ...	orrc	cPRbc	bcpr$_0$	cRm$_0$
	Falmouth ...	oircPq	bcq	bccpiq	bcPRq
	Scilly (St. Mary's)	cIR	cqir	cIqP$_0$	cqir
	Guernsey ...	orRq	cIR	oirbc	coir
6	Pembroke ...	oqrc	oqr	iRc	bcr
7	Holyhead ...	rrqc	r$_0$c	bcub	PRq
	Chester (Sealand)	ir$_0$	ir$_0$id$_0$cm$_0$	bc	bccir
8	L'pool (Bidston)	orcro	cm$_0$c	bcb	bcr$_0$c
9	Harrogate ...	ofmdor	corr	rrc	cbcir
10	Spurn Head ...	cmcr	coirq	bc	bc
	Tynemouth ...	oq	oirq	orr	o,bc
11	Inchkeith ...	c	cir$_0$o	orrirc	cbc
	Leuchars ...	cr$_0$cm$_0$	coir$_0$m$_0$	cr$_0$r$_0$cm$_0$	cbcm$_0$f
12	Renfrew ...	ocm$_0$d$_0$	ir$_0$cm,rr	r$_0$r$_0$c	c,r$_0$c
	Eskdalemuir ...	crorrq	crrqcrrc	crrbc	bccrrc
13A	Tiree	irIR	oirr	cRc	circ
13B	Stornoway ...	pr$_0$	cpr	cpor	cpr$_0$c
15	Dalwhinnie ...	cr	rr		bc
	Aberdeen ...	orr	c$_3$o	oirIR	r$_0$r$_0$c
	Wick	cd$_0$d	cd$_0$dc	cir$_0$	cir$_0$orr
16	Lerwick ...	cpr$_0$	coirm$_0$	oirm$_0$	oir
17	Blacksod Point	prhtl	prhtl	prcq	prc
18	Malin Head ...	cidrc	cbc	bccircbc	bcc
	Aldergrove ...	cir$_0$rr	cb	b	c
	Donaghadee ...	orr	orrc	bbc	bcpr
19	Birr Castle ...	rrc	cprqc	cpr	cprc
20	Valentia Obsy.	cprbcc	cfirprprc	PRc	PRbc
	Roches Point...	cbc	bcpbc	bcpb	bbcpc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
f_s, fog over sea (coast station).
f_g, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s_0, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s_0/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight: repetition of letters indicates continuity: thus.
R, heavy rain. r_0, slight rain.
rr, continuous rain.
< · less than (for cloud height).
⊕, 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.

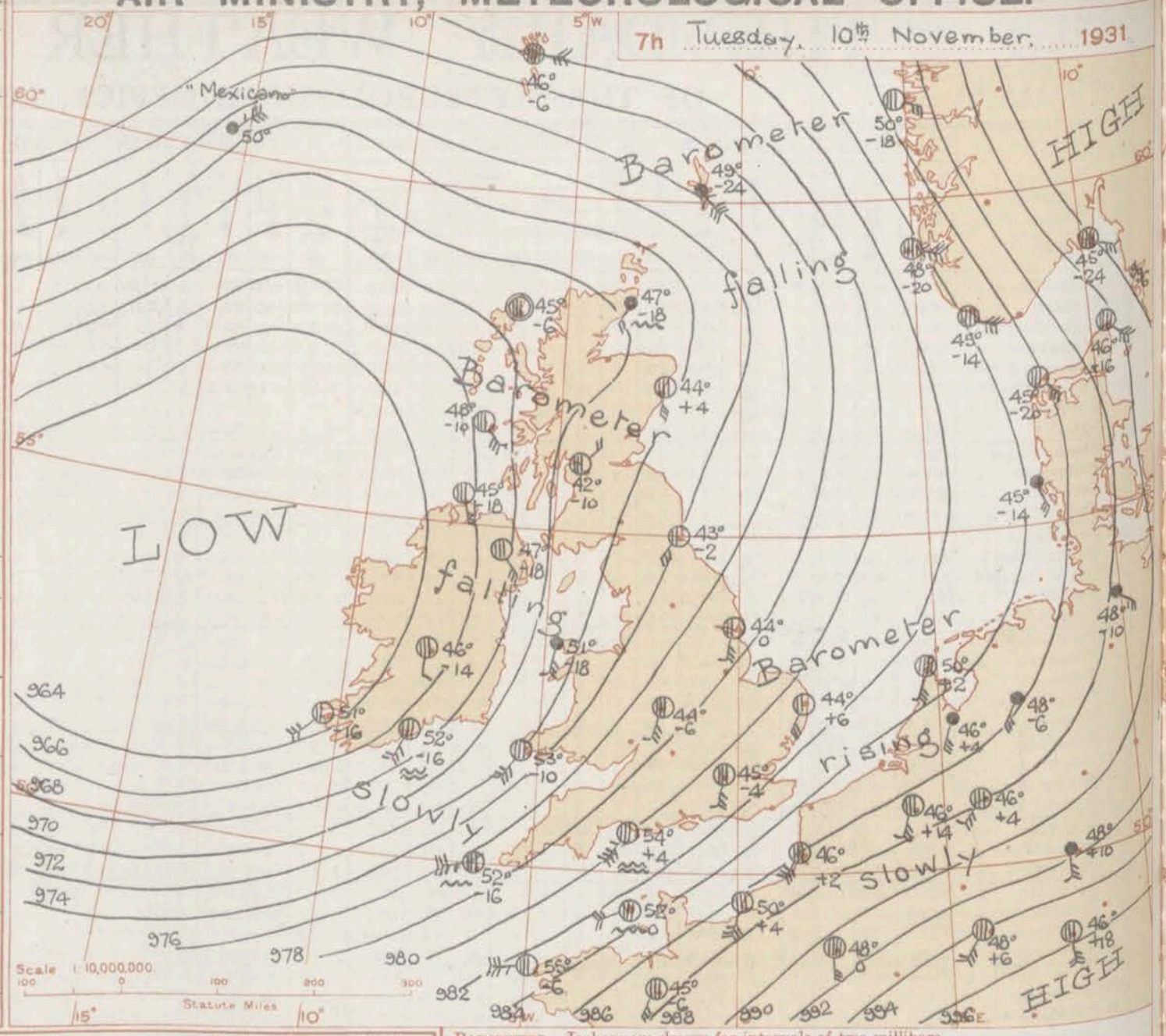
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 9th November 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. G.M.T. to 9h.	Temperature. Max. 9h.—17h.	Rainfall. Night. 17h. G.M.T. to 9h.	Rainfall. Day. 9h.—17h.	Sunshine. Sunrise to Sunset.
1	Tunbridge W.	orco	oro	47	52	1	10	0.3
	Bournemouth	cor	roc	42	54	14	13	1.5
	Ventnor ...	rcoro	rcu	50	53	1	5	0.2
	Southsea ...	bcoR	oRcp	44	51	2	11	0.9
	Bognor Regis	bcoir	Rrc	46	54	1	10	0.2
	Littlehampton	bcpc	cRbc	42	54	4	10	0.1
	Worthing ...	ocrr	iRo	48	54	0.3	9	0.1
	Brighton ...	cbc	rcbc	49	55	0.2	9	0.5
	Eastbourne†	corrq	rriRbc	52	54	1	11	0.2
	Hastings† ...	copc	corro	51	55	5	9	0.2
	Folkestone ...	crc	oqr	47	54	0.3	7	0.0
	Dover... ...	coir	orr	47	53	0.4	7	0.0
	Deal	or	rr	47	54	-	10	0.0
	Ramsgate ...	cro	or	47	53	0.2	7	0.1
	Margate ...	cr	cr	48	54	0.5	6	0.1
2	Southend ...	cor	cor	47	53	1	5	1.0
	Maldon ...	irc	cor	47	53	2	5	0.2
	Clacton-on-Sea	cpc	coqrc	48	53	0.1	4	0.4
	Dovercourt ...	bccm	ocr	49	54	-	4	0.3
	Lowestoft ...	cpro	coiR	49	52	0.6	3	0.0
	Skegness ...	ocm.	cr	48	52	Trace	5	0.2
	Mablethorpe	ccm.	corm.	46	53	Trace	4	0.3
	Cleethorpes ...	oc	orr	45	52	Trace	2	0.1
3	Leamington S.	opr	cpro	47	52	2	4	0.5
4	Cheltenham†	bccor	orcbc	47	52	0.3	8	0.7
5	Bath	crr	rrcbc	49	54	Trace	5	1.1
	Weymouth ...	r.rr	pcpbc	43	56	1	12	1.0
	Jersey ...	bc	bccrq	50	57	0.2	10	1.8
	Torquay ...	odrmq	Rroghm	47	56	2	8	2.4
	Penzance ...	bcirb	bprc	47	56	6	1	4.3
	St. Ives ...	pr	pr	50	55	8	3	3.9
	Bude	cpc	bcp	46	56	2	5	1.9
	Ilfracombe ...	rro	cbc	48	54	1	11	0.4
6	Aberystwyth	cr.c	ciHr	48	53	0.3	6	0.9
7	Llandudno ...	cr	crc	48	51	0.1	3	0.1
	Colwyn Bay...	cbrr	orrbc	47	51	0.3	8	0.2
	Rhyl	corc	crrbc	45	51	0.1	4	0.2
8	Wallasey ...	ocor	roc	-	50	2	2	0.0
	Southport‖ ...	or	oc	45	50	2	3	0.0
	Blackpool ...	orco	or.o	46	49	2	3	0.1
	Morecambe ...	rd.po	cbcdd	47	56	2	3	0.1
9	Ilkley... ...	fro	orr	45	49	1	4	0.0
10	Berwick-on-T.	or.	ro.o	46	49	Trace	1	0.0
11	Dunbar ...	cr.m	orr	46	49	0.3	0.3	0.5
12	Douglas ...	coRR	cb	48	51	3	10	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 1/10 clouded. Sky 1/10 to 1/10 clouded. Sky 7/10 to 1/10 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. 10th Nov. 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Wind southwesterly, moderate or fresh, strong on coast; showers or occasional rain, heavy at times; some bright intervals; temperature about normal.
4. W. Midlands 5. S.W. England 6. South Wales	Wind southwest or west, fresh, strong or gale at first on coasts; showers or occasional rain, heavy at times; bright intervals; temperature about normal.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind south or southwest, moderate or fresh; showers or occasional rain, heavy at times; some bright intervals; temperature about normal.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Wind southeast or south, moderate, fresh locally; showers or occasional rain; some bright intervals; temperature about normal.
13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Wind southeast or east, moderate or fresh; cloudy, some rain or showers; normal temperature.
17. N.W. Ireland 18. N.E. Ireland	Wind southerly or variable, moderate or fresh; showers or occasional rain; some bright intervals; normal temperature.
19. S.E. Ireland 20. S.W. Ireland	As 4 - 6.

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

GENERAL INFERENCE.

A deep amd large depression centred west of Ireland is moving slowly eastwards. Weather will be unsettled with showers or occasional rain, some bright periods, and temperature about normal. Strong southwesterly winds will occur on our South and Southwest Coasts.

FURTHER OUTLOOK.

Unsettled.

Time of issue of Gale Warnings.

South Cone at 0205 on 9th in Districts 19 and 20.
South Cone at 0810 on 9th in Districts 5,6 and 7.
South Cone at 1410 on 9th in Districts 1 and 2

Forecasts issued at 0940 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

Tuesday, 10th November 1931.

No. 25.555

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

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	981.8	0	SSW	3	b	45	95	6	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	981.9	0	SW'W	3	bc|pr	50	85	8	3	-	-	4-6	4-6	4000
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	982.9	+6	WSW	3	b	45	95	8	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	978.8	+4	SW'S	3	b	46	95	7	-	-	-	0	0	-
	Cranwell ...	240	978.1	+2	SW'S	4	bc	44	95	7	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	980.3	-4	SW'W	7	c|pr	54	65	8	8	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	979.7	-6	SW	6	q	50	85	8	8	-	-	4-6	4-6	4000
	Scilly (St. Mary's)	163	979.1	-16	SW'W	7	cjp	53	75	7	8	-	-	7-8	7-8	2500
	Guernsey ...	175	984.6	-2	WSW	5	bc|r	50	85	9	8	-	-	4-6	4-6	2500
6	Pembroke ...	142	975.5	-12	SW	5	iR	54	85	6	3	6	-	4-6	7-8	1500
7	Holyhead ...	26	974.7	-10	SW	4	pr	51	85	8	3	-	-	4-6	4-6	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	976.4	0	SW	4	bc	45	85	7	-	1	-	0	4-6	-
	Tynemouth ...	87	973.9	-6	SSW	2	o	46	95	6	6	-	-	10	10	1500
11	Inchkeith ...	190	973.4	-8	SW	2	c	46	95	7	5	2	-	4-6	10	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	970.5	-16	ESE	3	r	49	95	6	5	-	-	10	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	973.3	-20	SE	7	ir.	49	95	7	9	2	-	7-8	10	1500
16	Lerwick ...	54	981.2	-20	SE	6	o	49	95	7	5	-	-	10	10	1500
17	Blacksod Point	18	964.9	-16	S	5	PR	49	96	7	9	-	-	10	10	450
18	Malin Head ...	52	968.4	-16	SSE	2	b	44	95	8	5	-	-	1	1	4000
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	966.5	-20	S	6	iR	52	95	7	6	-	-	10	10	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 10th November — 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 9th Hrs. (36)
London (Kew)	980.9	0	S	2	c	46	95	7	5	8	4	4-6	7-8	1500	1	*	53	45	39	7	0.4	0.6
Croydon	981.5	-4	S'W	4	c|r	45	95	6	9	2	-	4-6	7-8	1500	1	*	53	45	42	13	0.5	0.1
S. Farnborough	980.6	-2	S	3	bc	44	95	7	8	1	3	2-3	4-6	2500	1	*	51	44	38	13	1	0.5
Winchester	980.5	-2	SW	3	ir	43	95	6	6	-	-	10	10	800	1	*	52	40	33	16	3	0.0
Boscombe Down	980.3	0	S	3	c|pr	44	95	7	5	-	-	9	9	1500	1	*	52	40	35	10	1	*
Calshot, (S'thmtn)	980.8	-10	SW	3	cjp	51	85	8	6	7	-	4-6	9+	1500	1	1	54	46	42	9	5	1.7
Dungeness	*	*	W	6	q	*	*	7	8	1	*	4-6	9+	1500	*	4	54	48	*	8	6	*
Lympne	982.9	0	SW'W	4	c	47	95	7	6	2	-	7-8	10	800	1	*	52	45	42	10	3	0.0
Shoeburyness	982.0	0	SSW	3	rr	46	95	7	6	-	-	9	9	1500	1	*	55	44	41	4	0.4	0.5
Felixstowe	982.0	0	S	4	c	48	85	8	7	7	-	4-6	7-8	4000	1	3	54	46	41	6	Tr	0.4
Gorleston	981.1	+6	SW'S	3	bc	44	95	6	8	7	-	2-3	4-6	2500	1	2	52	43	40	3	4	0.0
Cranwell	977.6	-4	S	4	bc	42	95	7	5	3	1	Tr	2-3	4000	1	*	51	41	38	8	Tr	0.0
Cardington	979.3	-6	~~SSW~~ S'W	4	c	43	95	6	5	2	8	2-3	7-8	5700	*	*	*	*	*	*	*	*
Birmingham	977.4	-6	SSW	4	c	44	95	8	5	7	8	2-3	9	1500	1	*	49	43	39	9	2	0.3
Upper Heyford	979.2	-4	S'W	2	bc	41	95	7	-	7	-	0	2-3	-	1	*	50	41	35	7	-	*
Leafield	978.6	-6	S'W	3	bc	42	95	8	8	-	-	2-3	2-3	4000	1	*	49	39	31	6	0.3	0.4
Ross-on-Wye	977.3	-6	SW	3	ir.	47	85	7	6	-	-	10	10	2500	1	*	52	46	42	8	4	1.2
Portland Bill	979.2	+4	SW'W	7	c	54	65	7	8	2	-	7-8	10	2500	2	6	56	50	*	12	4	*
Plymouth	978.7	-18	SSW	6	c|pr	54	75	6	6	-	-	9	9	1500	1	4	55	48	45	8	5	1.1
Falmouth	976.1	-6	WSW	7	q	53	75	7	8	-	-	7-8	7-8	4000	1	4	55	50	*	3	1	3.4
Scilly (St. Mary's)	976.1	-16	WSW	7	q	52	85	7	9	6	-	4-6	7-8	2500	1	4	54	49	*	13	4	4.1
Guernsey	983.5	0	WSW	5	c|r	52	85	7	8	-	-	7-8	7-8	1500	1	4	55	50	46	13	2	0.8
Pembroke	971.0	-10	SW	6	c	53	85	6	3	6	-	7-8	9	1500	1	3	53	49	*	~~14~~ 1	0.3	1.6
Holyhead	970.8	-18	SSW	4	pr	51	85	7	9	-	-	9+	9+	1500	1	1	54	48	44	5	5	0.6
Chester (Sealand)	973.7	-12	SE'S	4	c|r	45	95	7	9	-	-	9	9	2500	1	*	51	41	35	2	0.2	0.3
L'pool (Bidston)	973.0	-14	SE	4	pr	44	95	8	6	1	-	7-8	9	1500	1	*	49	43	41	2	0.6	0.0
Harrogate	975.2	0	S	2	ir.	41	95	5	6	4	8	1	4-6	2500	1	*	48	41	38	7	2	0.0
Spurn Head	977.0	0	SSW	4	bc	44	95	7	-	7	1	0	4-6	-	1	3	51	43	*	3	0.1	0.0
Tynemouth	974.1	-2	SW	3	bc	43	95	6	5	-	-	4-6	4-6	800	1	2	50	43	39	2	7	*
Inchkeith	971.4	-4	SSE	1	bc	45	85	7	5	4	-	2-3	4-6	2500	1	1	49	44	33	Tr	3	0.2
Leuchars	971.9	-2	ESE	1	f	36	95	2	5	-	-	4-6	4-6	4000	1	*	51	36	28	0.2	2	0.4
Renfrew	971.3	-10	NE	2	c	42	95	5	5	-	-	9+	9+	2500	1	*	49	39	34	3	2	0.0
Eskdalemuir	971.4	-6	S'E	3	c	42	95	7	5	3	-	4-6	9	1500	1	*	46	38	33	4	10	0.0
Tiree	967.0	-10	SE	4	c	48	85	8	8	1	-	9+	10	2500	1	3	49	45	41	7	4	0.0
Stornoway	968.4	-6	-	0	c	45	95	7	2	7	-	4-6	9	2500	1	1	52	45	*	0.2	2	0.5
Dalwhinnie	971.5	-6	SSW	1	bc	39	85	7	4	-	-	4-6	4-6	800	1	*	45	36	32	3	3	0.0
Aberdeen	971.4	+4	SSW	3	c	44	85	6	5	-	-	9+	9+	2500	1	1	50	44	41	1	6	0.0
Wick	969.4	-18	SW	2	rr	47	95	7	6	-	-	10	10	1500	1	4	50	46	*	Tr	8	*
Lerwick	975.9	-24	SE	8	ir	49	95	7	6	-	-	10	10	800	1	*	50	48	*	3	3	0.0
Blacksod Point	961.9	-8	S	4	c	49	96	8	3	-	-	7-8	7-8	450	1	4	52	48	*	7	4	*
Malin Head	964.8	-18	SSE	3	c	45	95	7	5	8	-	4-6	7-8	4000	0	2	49	42	*	1	3	0.5
Aldergrove	967.5	-18	SE	3	c	47	85	6	5	2	-	9	10	2500	1	*	48	42	37	3	-	0.2
Donaghadee	966.8	-18	SSW	1	pr.	49	95	7	5	-	-	4-6	4-6	1500	1	0	51	43	*	7	0.4	*
Birr Castle	964.4	-14	S	1	c	46	95	8	3	-	-	7-8	7-8	1500	1	*	54	42	35	4	0.2	3.7
Valentia Obsy.†	963.7	-16	SW	5	bc	51	85	8	8	2	6	2-3	4-6	2500	1	-	54	49	45	3	4	3.3
Roches Point	966.0	-16	SW	5	c	52	85	8	3	-	-	7-8	7-8	1500	1	6	54	49	*	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 (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 18h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h. (To-day)
Kew	18	cpr3o	crrobcep	bcmocprc	53	45	39	7	0.4	0.6	*	*	6
Croydon	217	crrmoro	crrmoro	cbbeprmo	53	45	42	13	0.5	0.1	*	*	6
Greenwich (Royal Observatory)	149	rcp	crRc	bcr	53	44	33	8	1	0.0	96	94	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.1	*	*	*
Westminster (St. James' Park)	27	*	*	*	54	47	43	6	*	0.2	87	85	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	0.3	*	*	*
Camden Square	110	crc	orc	*	52	46	39	5	1	*	*	89	*
Kensington	80	or	mor	*	54	46	37	6	1	0.0	At 18h. 92	91	*
Hampstead Observatory	450	orm	bc	*	52	42	36	6	1	0.1	*	94	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
1.0	10h 9th	NIL	0-6h 10th

Kew Observatory. Max.	Time.	Min.	Time.
0.3	18h 9th	0.1	3-4h 10th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 9th November Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 10th November 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	989.9	S	6	bc|r	52	990.7	S	3	c	48	54	46	4	-
Brussels	988.8	SSE	5	rr	48	987.2	SSW	4	c	46	52	43	1	8
Berlin	999.8	SE	3	c	46	992.3	SSE	3	r.r.	45	54	43	-	0.4
Zürich	1002.8	WNW	1	bc	45	1001.4	W	1	c	46	57	43	-	1
Rome	1006.5	SSE	2	bc	55						61		10	

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 3, 22.—Code for surface visibility.

Objects not visible at
0 Dense fog 55 yards.
1 Thick fog 220 „
2 Fog 550 „
3 Moderate fog 1,100 „
4 Mist or haze 1¼ miles.
5 Poor visibility 2½ „
6 Moderate „ 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. 2/8 per month; 8/6 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, 11th November 1931.

No. 25.556

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

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)...	980.7	-12	SSW	5	c/p	49	85	7	6	-	1	9	9	1500
	Croydon ...	981.7	-2	SSW	3	rr	50	85	5	9	2	-	9	9+	1500
	S. Farnborough	980.2	-6	S'W	4	ir$_o$	48	85	8	9	1	8	7.8	9+	1500
	Winchester ...	979.9	-6	SSW	4	ir	50	85	6	6	2	-	7.8	9+	1500
	Boscombe Down	979.4	-6	S	4	c/r	49	95	6	3	2	-	7.8	9+	1500
	Calshot, S'thmtn	980.9	-2	SW'S	5	c/pr	51	85	6	9	-	-	10	10	1500
	Dungeness ...	*	*	SW	4	PR	*	*	6	9	2	*	7.8	9+	1500
	Lympne ...	983.4	-2	SW'S	3	rr	45	95	7	6	-	-	10	10	800
2	Shoeburyness	981.8	-4	SSW	4	c	49	85	8	5	2	-	4.6	7.8	4000
	Felixstowe ...	982.0	-2	S'W	5	bc	50	75	8	3	3	1	2.3	4.6	4000
	Gorleston ...	980.5	-6	SW'S	4	bc	52	85	7	1	4	3	Tr	4.6	2500
	Cranwell ...	976.9	-6	S	4	bc	51	75	8	1	4	6	1	4.6	1500
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	975.8	-6	S	4	c/p	51	75	8	6	-	-	7.8	7.8	800
	Upper Heyford	977.8	-10	S'W	6	c	53	75	8	5	7	8	2.3	7.8	1500
	Leafield ...	977.0	-6	S'W	5	c	52	75	8	9	-	8	7.8	7.8	2500
4	Ross-on-Wye ...	975.0	-10	S	4	c/p	53	75	7	9	-	3	9	9+	2500
5	Portland Bill...	978.8	-2	SW	7	c	56	75	6	8	6	-	4.6	7.8	1500
	Plymouth ...	977.2	-10	WSW	7	c/r$_o$	55	75	6	5	-	6	7.8	9	1500
	Falmouth ...	974.4	-8	SW'W	8	c/pr	54	85	7	3	-	-	7.8	7.8	4000
	Scilly (St. Mary's)	973.9	-18	SW'W	8	pr	54	95	6	9	-	-	9+	9+	2500
	Guernsey ...	983.5	0	SW	6	q	55	75	7	8	-	-	10	10	1500
6	Pembroke ...	971.4	-8	WSW	5	ir$_o$	55	95	7	3	6	-	4.6	7.8	800
7	Holyhead ...	969.0	-10	SSW	5	c/pr	52	95	6	9	7	8	2.3	9+	1500
	Chester (Sealand)	972.1	-10	SE	2	ir	49	95	6	6	2	-	9	10	1600
8	L'pool (Bidston)	971.4	-6	SE	3	ir	48	95	7	6	2	-	2.3	9	1500
9	Harrogate ...	973.8	-6	S	3	c	49	85	5	6	2	-	9	9+	2500
10	Spurn Head ...	976.6	-4	SSW	5	bc	52	75	7	-	1	1	0	4.6	-
	Tynemouth ...	972.3	-12	S	2	bc	52	85	6	2	6	-	4.6	4.6	2500
11	Inchkeith ...	971.4	-2	E	2	c	48	95	8	8	7	-	4.6	9+	2500
	Leuchars ...	971.2	-8	SE	3	c	49	75	7	5	3	9	4.6	9	4000
12	Renfrew ...	969.8	-8	SE'E	3	c	52	75	6	9	7	3	7.8	9	1500
	Eskdalemuir ..	969.8	-12	SSE	4	ir$_o$	46	85	7	6	2	-	7.8	10	1500
13A	Tiree ...	965.9	-10	ESE	4	c/r	49	95	7	6	7	3	4.6	7.8	1500
13B	Stornoway ...	96?.0	0	SE	2	bc	52	85	8	8	7	-	4.6	4.6	4000
15	Dalwhinnie ...	969.8	-4	SSE	2	ir	43	95	6	9	-	-	7.8	7.8	800
	Aberdeen ...	972.3	-4	SE'S	4	c	49	85	6	9	7	-	7.8	9+	1500
	Wick ...	970.7	+16	S	4	c	49	85	8	8	7	1	4.6	7.8	2500
16	Lerwick ...	974.6	+6	SE	6	c	50	85	7	6	2	-	7.8	9	1500
17	Blacksod Point	961.0	0	SW	1	PR	50	95	8	9	-	-	9+	9+	220
18	Malin Head ...	964.0	-6	SE	3	c	50	95	7	8	9	-	4.6	7.8	2500
	Aldergrove ...	965.5	-18	SSE	2	pr	52	85	7	9	7	-	4.6	9	2500
	Donaghadee ...	965.0	-12	S	1	c	52	85	7	5	2	-	4.6	7.8	1500
19	Birr Castle ...	963.8	0	SW	2	ir$_o$	51	75	8	6	-	8	7.8	9	2500
20	Valentia Obsy.	965.3	+10	SW'W	5	pr$_o$	53	85	8	6	2	-	4.6	9	1500
	Roches Point...	967.2	-2	SW	4	c/pr	53	85	8	6	-	-	7.8	7.8	1500

OBSERVATIONS at 18h. G.M.T. 10th November — 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. 10th (37)	13h.–18h. 10th (38)	18h. 10th to 1h. 11th (39)	1h.–7h. 11th (40)
London (Kew)...	979.4	-4	S'W	4	pr	51	85	7	6	1	-	2.3	9+	2500	1	*	cpr	c cpr$_o$	cprbcq	cprc
Croydon ...	980.4	-8	SSW	4	r$_o$r$_o$	51	85	6	6	2	-	9	10	800	1	*	cm$_o$rpr	crrprR	cPRqirm$_o$	bcpr$_o$rq
S. Farnborough	978.6	-6	SW	5	rr	51	85	6	6	-	-	10	10	1500	2	*	bccircr$_o$r$_o$	cirlq	rbopbor	orcb
Winchester ...	978.1	-6	SW	5	c/pr	51	95	7	5	2	-	7.8	9+	1500	1	*	cPRcir	crPRq	cbcpr$_o$cr	crbc
Boscombe Down	977.7	-6	SW	4	c/pr	50	85	7	5	-	-	7.8	7.8	1500	1	*	cprorr	cprpr	corr	orrcb
Calshot, S'thmtn	979.1	-4	SW'S	6	pr	53	85	7	9	-	-	9+	9+	1500	1	4	cPRqr	cPRq	crrtirq	cqRbc
Dungeness ...	*	*	SSW	6	c/pr	*	*	6	9	7	*	7.8	10	1500	*	4	p	p	*	p
Lympne ...	982.1	-6	SW'S	7	bc/r	49	85	7	6	-	-	4.6	4.6	800	1	*	orr	cpror$_o$	cRRm$_o$q	cRirq
Shoeburyness	981.3	-6	SSW	4	c	50	95	7	5	2	-	4.6	7.8	2500	1	*	cr$_o$c	crcbc	oir	cir$_o$bc
Felixstowe ...	981.7	-4	S	5	c/pr	51	95	7	8	2	-	7.8	7.8	2500	0	3	bcpr$_o$	bcpr$_o$	crr	cc$_o$bc
Gorleston ...	980.4	0	SW'S	5	bc	48	85	7	-	8	-	0	2.3	-	0	3	bc	bcq l	borbcq	cr$_o$cq
Cranwell ...	975.2	-4	SE'S	3	bc	47	95	6	5	-	1	Tr	2.3	2500	1	*	bbcb	bcbm$_o$	bm$_o$b	bc
Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	orybcpr	bcbqc
Birmingham ...	974.0	-6	S	4	c/pr	48	85	8	6	-	-	7.8	7.8	800	1	*	bcc	cpr	cPRmpr	cmpr
Upper Heyford	976.4	-2	SSW	5	iR	48	85	8	6	-	-	8	9	1500	1	*	b,cip	rRr$_o$	crb,c	cirR
Leafield ...	976.1	-6	S'W	5	pr	46	95	8	9	-	-	9+	9+	2500	1	*	bcc	cp	cp$_o$l$_o$	cP
Ross-on-Wye ...	973.9	-8	SSW	4	c/r	49	85	7	6	-	-	9+	9+	2500	1	*	cip	porcir	coir	oqir
Portland Bill...	976.7	-4	SW	8	c/r	55	75	6	8	6	-	4.6	7.8	2500	1	6	oPrcPrcz$_o$	cr$_o$r$_o$z$_o$	PRRRz$_o$	c
Plymouth ...	975.9	0	SW'S	8	c/pr	53	85	6	5	7	8	7.8	9+	1500	1	7	cm$_o$r$_o$q	cm$_o$prq	cqRr	cbcprq
Falmouth ...	973.5	-4	WSW	8	z	53	85	7	8	-	-	7.8	7.8	4000	1	5	bccpq	cPq	cPtlq	cPq
Scilly (St. Mary's)	973.7	-2	SW'W	8	q	53	95	6	8	4	-	4.6	7.8	2500	1	5	cqr$_o$	cqP	crrbc	bcqp$_o$
Guernsey ...	982.1	0	SW	7	q	54	75	7	8	-	-	7.8	7.8	2500	1	4	PRcq	PRcq	ocRq	oiRq
Pembroke ...	969.5	+10	SW	6	bc	53	95	6	2	7	1	2.3	4.6	800	1	4	cirbc	cirbc	bcpr	cir
Holyhead ...	968.1	-2	SW'W	5	u	52	85	7	9	1	-	7.8	9+	1500	1	2	PRqc	cPR	pr$_o$PRq	c,pr$_o$
Chester (Sealand)	970.3	-10	SSE	3	ir	49	85	6	6	-	-	9	9	800	1	*	cir	ciRir	irbc	RR
L'pool (Bidston)	968.8	-2	SSE	5	ir	48	95	7	6	-	-	9+	9+	1500	1	*	orrir	rqirc	oir	Rir
Harrogate ...	972.3	-6	S	3	b	48	85	5	-	4	-	0	Tr	-	1	*	bccir$_o$	cb	bbc	bccir
Spurn Head ...	974.7	-6	SSW	6	bc	49	85	7	4	1	-	2.3	4.6	4000	0	5	bc	bc	bc	bccqpr
Tynemouth ...	971.5	-6	S	3	c/r	50	85	7	6	-	-	9	9	1500	1	3	bc	bcoir$_o$	cbco	oir$_o$
Inchkeith ...	969.0	-4	ESE	3	c	49	85	7	5	-	-	9+	9+	2500	0	2	c	c	cbco	oircrc
Leuchars ...	969.8	-10	SE	4	c	49	85	5	5	2	-	7.8	10	1500	1	*	bcfcp$_o$	cr$_o$rcm$_o$	crrm$_o$c	cir$_o$rtr
Renfrew ...	969.4	-6	SE	2	ir	47	95	6	6	2	-	9	10	1500	1	*	rrcpr	oirm$_o$	cirm$_o$	r$_o$cm$_o$
Eskdalemuir ..	967.8	-4	SSE	3	c	45	95	7	5	-	-	9+	9+	1500	1	*	cprir$_o$	cir$_o$c	cir	oirc
Tiree ...	965.3	-2	E	3	RR	48	95	6	6	2	-	9+	10	800	1	4	cprc	ciRc	iRir	cir$_o$
Stornoway ...	968.1	+6	SE	1	c	49	85	8	5	1	-	7.8	9	2500	0	1	bc	c	bcc	c
Dalwhinnie ...	969.5	-2	ESE	3	r	44	95	5	6	2	-	4.6	10	800	1	*	ir	r		rc
Aberdeen ...	971.5	-4	SE	4	c	50	95	6	9	-	-	9+	9+	1500	1	2	cir$_o$c	cz$_o$	oir$_o$	oiR
Wick ...	971.2	+4	SSE	5	c	49	95	8	3	2	-	7.8	10	1500	1	4	orrc	c	cr	crrcir
Lerwick ...	976.3	+12	SE	4	c	49	95	6	5	2	-	4.6	7.8	800	1	*	oir$_o$	cm$_o$	cm$_o$	c
Blacksod Point	963.4	+12	-	0	c	47	95	7	3	-	-	7.8	7.8	220	1	3	prc	prc	prc	prc
Malin Head ...	963.5	+4	SSE	1	ir$_o$	48	85	5	9	1	-	7.8	9+	1500	1	2	cbcc	cbcc	cir$_o$cd$_o$	cir
Aldergrove ...	965.4	0	SE'E	2	pr	46	95	7	9	-	-	9	9	2500	1	*	bcc	cpr	cprbc	cpr$_o$
Donaghadee ...	964.9	+2	SW	1	c	50	85	7	5	-	-	7.8	7.8	1500	1	0	pr$_o$c	cpr$_o$c	bbcc	cpr$_o$c
Birr Castle ...	964.4	+6	SW	1	c/pr	48	85	8	9	-	-	9	9	2500	1	*	cir$_o$	cpr$_o$	cpr$_o$	cpr$_o$c
Valentia Obsy.	966.8	+10	SW'W	4	bc	52	85	8	6	-	-	4.6	4.6	1500	1	7	bccpr$_o$	cpr$_o$prbc	pr	PRpr
Roches Point...	967.9	+6	SW	3	bc	52	85	8	3	-	-	4.6	4.6	1500	1	6	cpc	cpbc	bccpb	bbcpc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

q, squalls. r, rain. s, snow.
rs, sleet. t. thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

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

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.

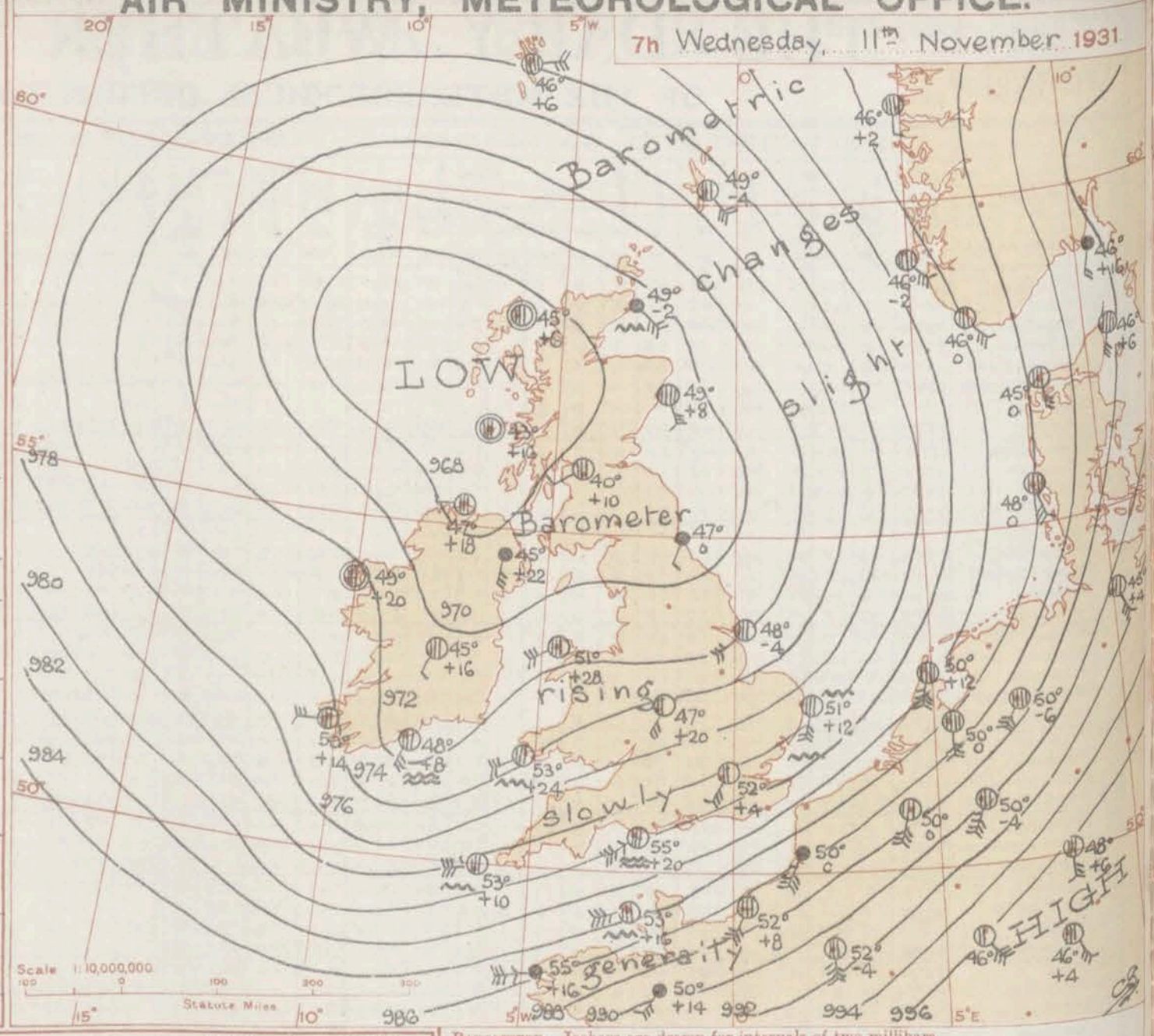
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 10th November 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.	or	or	44	50	7	7	0·0
	Bournemouth	ocrc	crcr	45	54	12	8	0·7
	Ventnor ...	rhtlr	bcpor	47	55	13	9	0·5
	Southsea ...	or	octr	47	55	8	2	0·7
	Bognor Regis	oroR	bcotr	45	54	8	7	0·1
	Littlehampton	crcP	Ptlc	46	54	7	10	0·1
	Worthing ...	ctcR	ctlRh	48	54	11	18	0·3
	Brighton ...	rcbc	htlcrc	48	54	15	18	0·1
	Eastbourne†	rro	ocotro	46	55	10	10	0·2
	Hastings† ...	orr	orccc	46	54	11	14	0·3
	Folkestone ...	bcer	rc	46	54	10	8	0·0
	Dover... ...	roq	orq	47	55	11	8	0·0
	Deal	r	ro	47	53	4	9	0·0
	Ramsgate ...	oro	orc	47	53	2	11	0·0
	Margate ...	cr	cr	46	50	3	9	0·0
2	Southend ...	orc	cop	46	49	0·4	1	0·1
	Maldon ...	ctr	ctr	40	50	0·3	0·5	0·7
	Clacton-on-Sea	bcopc	cpc	48	51	1	0·3	0·5
	Dovercourt ...	rbcc	bcc	45	51	2	-	2·0
	Lowestoft ...	troc	cbc	43	53	5	-	4·3
	Skegness ...	obob	bcom	43	53	0·5	-	4·7
	Mablethorpe	bob	bbc	41	53	2	-	5·7
	Cleethorpes ...	b	b	40	53	6	-	5·6
3	Leamington S.	o	oc	43	55	1	-	1·4
4	Cheltenham†	cbcc	bccp	45	55	0·5	0·3	2·7
5	Bath	bcc	bcchr	47	55	1	3	2·1
	Weymouth ...	cpc	cpc	49	57	8	2	0·5
	Jersey ...	rqbc	rqo	50	57	0·1	1	3·5
	Torquay ...	Rhpqc	crpqs	47	57	7	0·8	1·3
	Penzance ...	bcrc	ctr	49	56	2	5	1·5
	St. Ives ...	p	p	48	55	3	6	1·3
	Bude	rpbc	rpbcc	49	51	3	2	2·0
	Ilfracombe ...	oc	cP	47	56	6	2	0·2
6	Aberystwyth	ctr	cPR	47	53	1	10	0·5
7	Llandudno ...	ctr	cr	45	54	4	3	0·7
	Colwyn Bay...	repc	poro	44	53	8	6	1·1
	Rhyl	cpr	cpr	42	52	3	4	0·6
8	Wallasey ...	cotr	otrc	44	51	2	2	0·0
	Southport‖ ..	ocoro	troco	41	50	2	1	0·2
	Blackpool ...	orc	cop	41	51	5	0·4	0·4
	Morecambe ...	rcdpobbcro		43	52	2	1	0·2
9	Ilkley	mtrbccrbc		43	53	3	1	0·9
10	Berwick-on-T.	c	co	41	48	6	-	1·1
11	Dunbar ...	crc	cbc	41	53	4	-	3·0
12	Douglas ...	tlrc	cPc	38	52	8	11	0·5

† 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. 11th Nov. 1931.

Districts.	Forecasts
1. S.E. England 2. E. England... 3. E. Midlands	Wind between southwest and west, fresh, strong locally at first; bright periods and local showers; rather mild.
4. W. Midlands 5. S.W. England 6. South Wales	Wind westerly, fresh, strong locally at first; cloudy and bright intervals; showers; rather mild.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Wind southwest or west, veering a little, moderate; cloudy and bright intervals; showers; rather mild today, perhaps local ground frost tonight; chance of local fog in the morning.
13. A. W Scotld. B. N.W. Scotland.	Wind variable becoming north-westerly, moderate or fresh; cloudy and bright intervals; showers or occasional rain; moderate temperature.
14. Mid Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Wind variable, light or moderate; cloudy and bright intervals; showers or occasional rain; moderate temperature; perhaps local ground frost at night and local fog in the morning.
17. N.W. Ireland 18. N.E. Ireland	Wind southeasterly, fresh, becoming variable; cloudy; some rain or showers; moderate temperature.
19. S.E. Ireland 20. S.W. Ireland	Wind west or northwest, moderate, fresh locally; cloudy and bright intervals; showers; moderate temperature.

GENERAL INFERENCE.

A large and deep depression centred over Northwest Scotland will continue to move slowly northeast and to fill up. Weather will be fairer than of late, though there will be showers or occasional rain. The gale from between southwest and west in the Channel will moderate slowly.

FURTHER OUTLOOK.

Time of issue of Gale Warnings.

South Cone at 0810 on 9th in Districts 5 and 6.
South Cone at 1410 on 9th in Districts 1 and 2.

Forecasts issued at 0950 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.

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 11th November 1931.

No. 25556

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

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	977.7	-14	SW	5	bc/r	50	85	7	9	2	-	2.3	4.6	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	977.5	-6	SW/S	7	c/r	54	75	7	8	-	-	7.8	7.8	1500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	979.9	-12	SW	8	RR	51	85	6	6	-	-	10	10	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	977.5	-10	SW'S	5	bc	48	95	6	4	-	-	2.3	2.3	4000
	Cranwell ...	240	972.4	-18	S'E	4	bc	47	95	7	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	975.5	0	SW	8	RR	55	85	6	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	976.1	+8	WSW	8	PR	53	85	7	8	-	-	7.8	7.8	4000
	Scilly (St. Mary's)	163	976.5	+22	SW/W	8	bcq	53	85	6	8	-	-	4.6	4.6	2500
	Guernsey ...	175	982.0	0	WSW	7	iR	53	85	6	6	-	-	10	10	1500
6	Pembroke ...	142	969.7	+6	WSW	5	b	52	95	7	3	-	-	1	1	1500
7	Holyhead ...	26	967.8	0	W'S	4	c	51	85	8	5	2	8	2.3	9	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	972.0	-4	SSW	6	bc	48	95	7	-	1	-	0	4.6	-
	Tynemouth ...	67	969.7	-4	S	2	o	48	85	7	5	-	-	10	10	1500
11	Inchkeith ...	190	967.8	-8	E	3	ir	48	95	7	6	-	-	10	10	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	967.1	-4	E	2	c	48	95	7	5	1	-	7.8	9	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	969.4	-6	SSE	5	rr	50	95	8	6	2	-	7.8	10	1500
16	Lerwick ...	54	975.7	-4	SE	5	c	49	95	7	5	2	-	4.6	9	1500
17	Blacksod Point	18	968.7	+20	-	0	PR	48	95	7	3	-	-	9+	9+	<150
18	Malin Head ...	52	964.8	+10	SSE	1	c/d	46	95	5	6	7	-	4.6	9+	1500
	Aldergrove ...	288	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	971.5	+20	WNW	5	c	52	95	8	9	-	-	9+	9+	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 11th November — 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)	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)	978.4	+12	SW'S	5	c	52	85	8	5	-	1	9	9	1500	1	*	52	50	47	2	2	0.2
Croydon	978.6	+4	SW	4	bc	52	85	7	5	-	-	4.6	4.6	800	1	*	51	49	39	5	5	0.0
S. Farnborough	978.7	+16	SW'S	4	bc	51	85	7	6	-	3	1	2.3	1500	2	*	52	50	45	4	1	0.3
Winchester	978.8	+20	SW	4	bc	50	95	7	5	-	-	4.6	4.6	2500	1	*	53	49	46	4	1	0.1
Boscombe Down	978.3	+18	SW	4	c	49	85	7	4	1	-	4.6	7.8	1500	1	*	53	47	46	2	10	*
Calshot, (S'thmtn)	980.0	+10	SW	5	bc	53	85	7	3	-	-	2.3	2.3	2500	1	2	55	50	48	5	12	0.7
Dungeness	*	*	SW	8	q	*	*	6	9	-	*	9	9	1500	*	4	54	50	*	16	4	*
Lympne	980.4	+6	WSW	6	iG	51	95	6	6	2	-	7.8	10	800	1	*	51	47	45	15	10	0.0
Shoeburyness	979.2	+8	SW	4	bc	52	85	7	5	-	1	2.3	2.3	1500	1	*	51	47	46	2	9	0.3
Felixstowe	978.8	+8	S'W	5	bc	51	85	8	8	-	-	4.6	4.6	2500	1	4	51	44	45	Tr	3	2.9
Gorleston	976.6	+12	SSW	5	c	51	85	6	4	-	7	2.3	9+	2500	1	4	54	48	45	-	1	4.1
Cranwell	972.9	+20	SW'S	4	c	49	85	8	5	3	1	4.6	7.8	2500	1	*	54	45	41	-	-	6.0
Cardington	975.4	+14	SW	6	c	50	85	8	6	1	-	4.6	7.8	1500	*	*	*	*	*	*	*	*
Birmingham	974.5	+20	SW	3	bc	47	85	8	9	-	-	4.6	4.6	1500	1	*	53	46	43	1	4	0.9
Upper Heyford	976.7	+22	SW	4	c/R	48	95	8	9	-	-	9+	9+	450	1	*	53	47	43	1	1	*
Leafield	975.7	+14	SW	5	PR	47	95	9	9	-	-	9+	9+	1500	1	*	53	45	41	1	2	2.4
Ross-on-Wye	975.4	+20	SW	3	c	49	85	8	9	-	-	9	9	2500	1	*	54	49	45	5	4	1.1
Portland Bill	978.8	+20	WSW	7	c	55	85	7	8	6	-	4.6	7.8	2500	1	6	56	51	*	5	7	*
Plymouth	979.8	+20	WSW	6	pr	54	85	7	9	-	-	7.8	7.8	800	2	5	55	48	45	1	14	0.9
Falmouth	978.6	+14	WSW	7	q	52	95	8	3	-	-	4.6	4.6	4000	1	4	55	48	*	3	17	2.4
Scilly (St. Mary's)	979.7	+10	WSW	7	sjp	53	85	6	3	4	5	4.6	7.8	4000	1	5	55	50	*	1	8	1.8
Guernsey	983.4	+16	W	7	c/pr	53	85	7	8	-	-	7.8	7.8	1500	2	4	56	50	48	1	14	1.6
Pembroke	973.6	+24	WSW	5	c/pr	53	95	6	4	6	-	2.3	7.8	2500	1	4	55	49	*	3	11	1.4
Holyhead	971.9	+28	WSW	5	c	51	85	8	8	-	-	9+	9+	1500	1	1	54	48	45	3	1	0.4
Chester (Sealand)	971.6	+22	SW	2	c/pr	49	85	7	5	-	1	7.8	7.8	4000	1	*	51	44	40	6	7	0.1
L'pool (Bidston)	971.3	+2	SW'W	3	c/r	46	95	7	6	2	-	7.8	10	1500	1	*	50	45	43	3	7	0.4
Harrogate	970.2	+6	SSW	3	c	44	95	6	6	1	-	7.8	9	2500	1	*	49	43	42	Tr	3	0.3
Spurn Head	971.0	-4	WSW	5	c/pr	48	95	7	3	3	-	4.6	9	4000	1	3	52	46	*	-	0.3	5.7
Tynemouth	968.6	0	SW	1	GG	47	95	6	6	-	-	10	10	1500	1	2	52	47	42	0.1	0.6	*
Inchkeith	968.0	+2	E	1	c	47	95	7	5	2	-	4.6	9+	1500	1	1	50	46	43	-	1	0.1
Leuchars	968.5	+8	E	1	GG	46	95	6	6	2	-	9	10	1500	1	*	49	45	42	1	2	0.3
Renfrew	969.4	+10	WSW	1	m	40	95	4	5	7	-	7.8	9+	1500	1	*	52	40	34	6	7	0.3
Eskdalemuir	968.4	+6	-	0	o	43	95	6	5	-	-	10	10	450	1	*	47	43	40	2	4	0.0
Tiree	967.8	+16	-	0	c	43	95	7	8	9	-	7.8	9+	2500	1	3	50	42	33	5	3	0.7
Stornoway	967.5	+6	-	0	c	45	95	8	4	1	-	4.6	7.8	2500	0	1	51	42	*	Tr	-	4.0
Dalwhinnie	968.7	+2	S	1	bc	41	95	6	1	-	-	4.6	4.6	800	1	*	45	40	37	2	6	0.3
Aberdeen	969.1	+8	SSE	4	o	49	95	6	6	-	-	10	10	1500	1	1	50	48	46	0.3	4	0.0
Wick	969.0	-2	SE	5	ir	49	95	8	6	2	-	7.8	10	1500	1	4	49	48	*	4	2	*
Lerwick	975.4	-4	SE	5	c	49	95	7	5	-	-	9+	9+	1500	0	*	50	45	*	3	-	0.0
Blacksod Point	972.2	+20	-	0	c	49	85	7	3	-	-	9+	9+	<150	1	3	51	45	*	3	6	*
Malin Head	967.3	+18	W	1	c/r	47	95	7	8	3	-	7.8	7.8	1500	1	2	51	45	*	0.1	5	1.9
Aldergrove	969.5	+22	SSW	3	pG	45	95	7	9	-	-	9	9	1500	1	*	52	42	39	3	0.3	2.0
Donaghadee	967.8	+20	W	2	c	49	95	7	5	-	-	7.8	7.8	1500	1	1	54	43	*	0.6	1	*
Birr Castle	971.3	+16	SW	1	c	45	95	8	5	4	-	7.8	9+	2500	1	*	53	43	35	0.2	1	0.9
Valentia Obsy.†	974.1	+14	W	4	c	50	85	8	8	-	8	7.8	7.8	1500	1	-	55	48	45	1	5	1.7
Roches Point	970.4	+8	SW	3	c	48	95	8	3	-	-	7.8	7.8	1500	1	6	54	47	*	2	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	Temperature Day Max. °F.	Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset. hrs.	Humidity 15h. G.M.T. % Yesterday	Humidity 9h. G.M.T. % To-day	Visibility 9h.
Kew	18	cpr	ccpr	cprbcqc	52	50	47	2	2	0.2	*	*	7
Croydon	217	cmspr	ccrpr R	Rqirpq	51	49	39	5	5	0.0	*	*	7
Greenwich (Royal Observatory)	159	cp	cir	rrcirb	52	49	42	4	5	0.0	83	79	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Park)	27	*	*	*	53	51	46	*	5	0.2	75	75	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	0.2	*	*	*
Camden Square	110	orbecp	c	*	51	50	45	1	2	*	*	79	*
Kensington	80	orc	bccP	*	52	51	43	2	1	0.2	At 18h. 93	80	*
Hampstead Observatory	450	ofr	orc	*	51	47	41	2	2	0.5	*	85	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
Defective		Record	

Kew Observatory. Max.	Time.	Min.	Time.
0.2	15h 10th	<0.1	0.4h 11th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 10th November Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 11th November 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	991.7	SSW	5	bc	50	991.4	S	7	c	52	54	48	2	-
Brussels	988.0	SSW	4	b	46	987.4	SSW	6	c	50	52	45	0.1	Tr
Berlin	993.3	SSW	3	b	48	996.0	SSW	4	bc	45	54	39	2	0.1
Zurich						1005.5	SW	3	c	46		41		1
Rome	1006.6	S	6	d	63	1009.5	SW'S	1	bc	55		55		

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.

† 7 hr observations are from Valentia W/T station

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 12th November 1931.

No. 25.557

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

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)...	981.2	+6	SW	5	pr	55	75	7	9	7	4	7.8	9	2500
	Croydon ...	981.8	+10	SW'W	5	pr	54	75	6	9	-	3	4.6	7.8	1500
	S. Farnborough	981.2	+6	SW	5	c	56	65	7	1	-	3	4.6	7.8	1500
	Winchester ...	980.9	+6	SW	6	c	56	75	7	8	2	-	4.6	7.8	2500
	Boscombe Down	980.8	+8	SW	6	c	55	75	8	7	-	2	4.6	9	1500
	Calshot, S'thmtn	982.3	+2	SW	6	c	57	75	7	8	-	8	7.8	7.8	2500
	Dungeness ...	*	*	SW	7	c/pr	*	*	6	3	1	*	4.6	7.8	1500
	Lympne ...	983.5	+10	SW	5	c/pr	51	95	7	5	2	3	4.6	9+	800
2	Shoeburyness	981.7	+4	SW	4	c/pr	54	75	7	4	-	-	7.8	7.8	2500
	Felixstowe ...	981.5	+10	S	5	bc	54	75	8	8	-	1	4.6	4.6	2500
	Gorleston ...	979.5	+6	SW	5	c	55	75	6	4	-	-	7.8	7.8	2500
	Cranwell ...	976.7	+10	SW'S	4	c	53	75	7	8	4	6	2.3	9	2500
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	977.4	+8	SW	3	pr	50	85	6	6	-	-	9	9	800
	Upper Heyford	979.4	+8	SW	4	c/p	53	85	8	9	-	-	9+	9+	800
	Leafield ...	978.4	+6	SW'S	4	r	52	85	9	8	-	-	9+	9+	2500
4	Ross-on-Wye ...	978.6	+6	SW	4	RR	48	85	6	9	-	-	9+	9+	1500
5	Portland Bill...	981.4	+8	WSW	7	c/pr	55	75	7	8	6	-	7.8	7.8	2500
	Plymouth ...	981.9	+6	WSW	6	c/r	54	75	7	9	-	-	9	9	800
	Falmouth ...	981.0	+4	WSW	7	q	55	85	7	3	8	6	4.6	7.8	4000
	Scilly (St. Mary's)	981.6	+10	WSW	7	c	55	85	6	2	-	-	7.8	7.8	4000
	Guernsey ...	986.3	+8	SW	6	q	55	85	7	8	4	-	4.6	4.6	1500
6	Pembroke ...	976.2	+4	WSW	5	ir	51	95	7	3	4	-	4.6	7.8	1500
7	Holyhead ...	975.2	+10	WSW	4	c/p	52	85	8	6	2	3	7.8	9+	1500
	Chester (Sealand)	974.9	+6	S'W	3	c	52	75	7	8	-	3	7.8	9	2500
8	L'pool (Bidston)	974.3	+8	W	2	PR	50	95	7	8	-	-	9+	9+	1500
9	Harrogate ...	974.4	+20	SSW	3	c/pr	48	85	5	6	7	-	7.8	9	2500
10	Spurn Head ...	975.5	+6	WSW	4	c	53	85	7	4	3	9	2.3	9	4000
	Tynemouth ...	971.3	+12	W	2	c	51	75	6	9	-	-	7.8	7.8	1500
11	Inchkeith ...	970.4	+2	WSW	1	c	47	95	6	8	7	-	7.8	9+	2500
	Leuchars ...	970.6	+8	SW	3	c	49	95	5	5	-	-	9+	9+	2500
12	Renfrew ...	973.0	+20	WSW	2	c/r	48	85	6	8	9	-	4.6	7.8	4000
	Eskdalemuir ...	971.7	+18	SW	3	c	46	85	6	8	-	-	9+	9+	800
13A	Tiree	971.1	+16	W'S	2	c	51	85	8	5	3	-	2.3	9+	2500
13B	Stornoway ...	969.4	+6	NNW	1	3	48	95	6	5	7	-	7.8	9+	2500
15	Dalwhinnie ...	970.4	+6	SSE	1	c	46	85	8	4	2	-	7.8	9	800
	Aberdeen ...	969.8	-2	SE	1	c	50	95	5	9	7	-	4.6	9+	800
	Wick	969.7	+4	SE	3	bc	50	95	8	7	1	8	2.3	4.6	2500
16	Lerwick ...	974.6	-10	SE	4	c/pr	49	95	6	6	-	-	9+	9+	1500
17	Blacksod Point	976.6	+24	N	4	c	51	95	8	3	-	-	7.8	7.8	450
18	Malin Head ...	972.4	+20	NW	3	pr	50	85	7	9	-	-	9+	9+	1500
	Aldergrove ...	972.5	+14	W'S	3	pr	49	95	8	8	3	-	7.8	9+	2500
	Donaghadee ...	971.7	+20	W	1	c	49	85	7	5	-	-	9	9	1500
19	Birr Castle ...	975.7	+18	NW	2	bc	53	75	8	1	3	8	4.6	4.6	2500
20	Valentia Obsy.	979.4	+22	WNW	3	pr	51	85	8	6	-	4	7.8	7.8	1500
	Roches Point...	977.7	+24	NW	4	bc	53	85	8	3	-	-	4.6	4.6	1500

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

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)...	984.1	+10	SSW	4	pr	51	85	7	9	-	-	7.8	7.8	1500	1	*
	Croydon ...	984.7	+18	SW'S	4	ir	51	85	6	9	2	-	4.6	7.8	1500	1	*
	S. Farnborough	983.4	+10	SW	5	bc/pr	51	85	7	9	-	8	4.6	4.6	1500	2	*
	Winchester ...	983.9	+14	SW	5	PR	51	95	7	9	-	-	10	10	1500	1	*
	Boscombe Down	983.6	+20	SSW	5	c/pr	47	95	7	3	-	-	10	10	1500	1	*
	Calshot, S'thmtn	984.1	+10	SW'S	6	c/pr	53	85	7	8	-	-	7.8	7.8	1500	1	4
	Dungeness ...	*	*	SSW	7	PR	*	*	6	9	-	*	9+	9+	1500	**	4
	Lympne ...	985.5	+12	SW'S	6	pr	51	85	6	6	-	-	10	10	800	1	*
2	Shoeburyness	984.7	+6	SW	4	c/r	52	86	7	5	-	-	7.8	7.8	2500	1	*
	Felixstowe ...	984.0	+10	S'W	6	bc/pr	52	85	8	8	-	-	4.6	4.6	2500	1	4
	Gorleston ...	[illegible]	+8	SW'W	5	bc	52	85	7	4	-	-	4.6	4.6	2500	0	3
	Cranwell ...	979.1	+20	SW'S	4	c	48	95	6	5	-	-	7.8	7.8	2500	1	*
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	980.5	+22	SW	2	c	47	95	8	5	-	-	7.8	7.8	2500	1	*
	Upper Heyford	981.7	+20	SW	4	c/r	47	95	7	6	-	-	9+	(9+)	800	1	*
	Leafield ...	981.5	+16	SW'S	4	ir	47	95	8	6	-	-	7.8	7.8	2500	1	*
4	Ross-on-Wye ...	981.6	+20	SW	3	c/r	49	95	6	5	1	-	4.6	7.8	4000	1	*
5	Portland Bill...	983.3	+10	SW'W	7	c	55	75	7	8	7	-	4.6	7.8	2500	1	6
	Plymouth ...	983.9	+18	WSW	6	rr	50	85	7	6	-	-	10	10	450	2	5
	Falmouth ...	983.8	+10	W'S	4	ir	49	95	7	6	2	-	7.8	10	2500	1	3
	Scilly (St. Mary's)	983.9	+10	W'S	7	ir	51	85	7	3	2	-	7.8	9	4000	1	5
	Guernsey ...	987.4	+10	WSW	5	q	54	85	7	8	-	-	4.6	4.6	1500	1	4
6	Pembroke ...	980.8	+24	WSW	4	c	52	95	8	3	6	-	2.3	7.8	1500	1	2
7	Holyhead ...	979.4	+30	W	4	c	52	85	8	5	-	-	9+	9+	4000	1	2
	Chester (Sealand)	978.3	+22	SW'W	1	bc	49	75	6	8	-	-	2.3	2.3	4000	1	*
8	L'pool (Bidston)	977.6	+24	WSW	4	c	49	85	8	8	-	-	7.8	7.8	2500	1	*
9	Harrogate ...	976.7	+14	SW'S	3	pr	46	95	5	6	4	-	4.6	7.8	2500	1	*
10	Spurn Head ...	977.4	+6	SW	4	c/p	49	85	7	3	2	-	2.3	9+	4000	0	3
	Tynemouth ...	974.5	+16	SW	2	c	48	95	6	6	-	-	7.8	7.8	1500	0	2
11	Inchkeith ...	972.6	+10	WSW	2	o	48	85	6	5	-	-	10	10	1500	1	1
	Leuchars ...	973.3	+18	SW	2	c	47	95	5	5	-	-	9+	9+	5700	1	*
12	Renfrew ...	975.2	+10	WSW	1	ir	47	95	6	5	-	-	7.8	7.8	4000	1	*
	Eskdalemuir ...	974.9	+23	SW	2	c	43	95	7	5	-	-	10	10	1500	1	*
13A	Tiree	973.6	+16	W'N	2	pr	48	95	7	8	2	-	4.6	7.8	1500	1	2
13B	Stornoway ...	971.7	+10	-	0	c	47	95	6	4	7	-	7.8	9+	4000	0	1
15	Dalwhinnie ...	972.8	+20	SW	1	c	44	75	4	4	2	-	7.8	10	800	0	*
	Aberdeen ...	972.3	+16	WSW	1	c	46	95	6	9	-	-	9	9	1500	1	1
	Wick	970.9	+4	ENE	3	c	49	95	8	8	7	-	7.8	9	1500	1	3
16	Lerwick ...	974.1	-4	SE	4	ir	49	95	6	6	-	-	10	10	800	1	*
17	Blacksod Point	980.4	+22	WNW	5	q	51	75	7	8	-	-	9	9	450	1	4
18	Malin Head ...	974.7	+18	W'N	4	c/pr	49	95	7	3	-	9	7.8	9	2500	1	2
	Aldergrove ...	976.3	+22	SW	3	pr	47	95	8	8	-	-	9+	9+	1500	1	*
	Donaghadee ...	975.3	+20	W	2	c	46	85	7	5	2	-	4.6	7.8	1500	0	1
19	Birr Castle ...	980.1	+24	W	2	c	48	85	8	5	-	-	9+	9+	2500	1	*
20	Valentia Obsy.	984.6	+36	WNW	4	bc/pr	52	85	8	8	-	-	4.6	4.6	1500	1	4
	Roches Point...	983.2	+26	NW	4	bc	51	85	8	3	-	9	2.3	4.6	2500	1	5

PAST 24 HOURS.

Stations.	Weather. 7h.–13h. 11th (37)	Weather. 13h.–18h. 11th (38)	Weather. 18h. 11th to 1h. 12th (39)	Weather. 1h.–7h. 12th (40)
London (Kew)...	cb. cpr	cip. Pq	crc	bm. W
Croydon ...	bcpr.	cprrrm.	cr.r.bm.	bm.bc
S. Farnborough	bccp.	cbcprc	bccprb	b
Winchester ...	bcm.cpr	cPRpr	cPR bw	bwm.
Boscombe Down	cpr.c	cPrcpr	cpr.	cb
Calshot, S'thmtn	cPr.clr	cPHR q	crrbc	bbc
Dungeness ...	P	P	*	bc
Lympne ...	crpR	cprq	oRirm.	or.cbc
Shoeburyness	bcpr.	bcciro.c	oir	bbc
Felixstowe ...	bc	bcpr.	bcp.r	bc
Gorleston ...	cbcq	cbcq	bcq	bc
Cranwell ...	c	pr.bc	cpr.b	bm.
Cardington ...	*	*	cbcb	m.
Birmingham ...	bcc	coR	cp.rbc	bc
Upper Heyford	crr	crRq.r	cir.r.bc	bbcw
Leafield ...	circt	cirRil	cbcw	cbce
Ross-on-Wye ...	porcoRR	Rcilo	cbbcb	bc
Portland Bill...	Prc	cPRc	~~bc,bc~~	bc
Plymouth ...	oqPR	qPrPH	orcpr	cprb
Falmouth ...	bcpq	cpqr	cirbc	bcp.
Scilly (St. Mary's)	cqp.	cqp	cp.bc	bc
Guernsey ...	cprbc	bcqpr	cPR	cprpc
Pembroke ...	cir	bc	bcpr	bc
Holyhead ...	pr.	o	PRqbc	bcc
Chester (Sealand)	bcc	pr.cbc	bc.pr	bc
L'pool (Bidston)	cPr	PRc	bcbP	bcprq
Harrogate ...	cbcp	cbcp	bbcp	bbcp
Spurn Head ...	bc	cpr.	cbc	bccpr.
Tynemouth ...	oir.m	c	cbc	bc,cp.
Inchkeith ...	cir.	cm.o	m.cbc	bc
Leuchars ...	cir.cm.	cir.cm.	cm.bw	bw
Renfrew ...	cir.m	cm.m	ir.bc,pr	bcc
Eskdalemuir ...	oir.c	cprc	cbc	bccr.c
Tiree	Rirc	cpr	prtlb	bcPR
Stornoway ...	c3	c3	cbcl	bcpr,cl
Dalwhinnie ...	c	c	*	bc
Aberdeen ...	circo	cirro	c	c
Wick	cirbc	bcc	cirro	cpr
Lerwick ...	cpr.	oirm.	oir.m	cpr
Blacksod Point	prc	prcq	prcq	prcq
Malin Head ...	cpr	cPRbcc	cbcpr	bccpr
Aldergrove ...	~~[illegible]~~ cir.c	cp.	cp	cp.
Donaghadee ...	c	c	bc	bc
Birr Castle ...	cbc	bcc	c	c
Valentia Obsy.	cpr	cprbc	bc	p.rbc
Roches Point...	cpbc	bcpbc	bc	bc

981.3

bccPRcbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog. visibility 220–1100 yds.
F, thick fog, ,, less than 220 yds.
f_s, fog over sea (coast station).
f_g, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s_o, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s_o/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.

b(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.

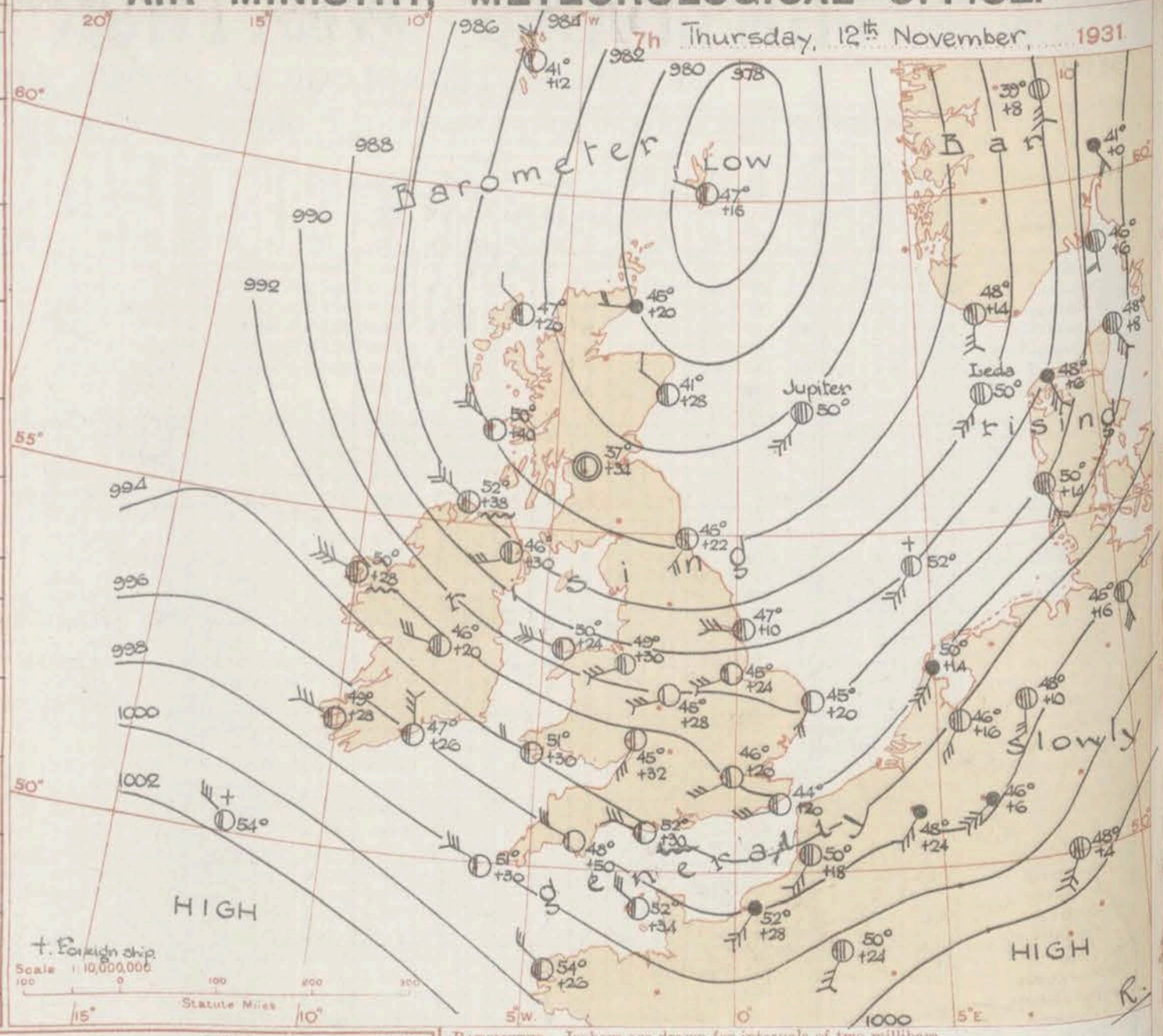
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 11th November 1931.

District	Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 10th to 9h. 11th	Temperature. Max. 9h.—17h. 11th	Rainfall. Night. 17h. 10th to 9h. 11th	Rainfall. Day. 9h.—17h. 11th	Sunshine. Sunrise to Sunset. 11th
1	Tunbridge W.	coPc	cPc	45	54	24	6	1·1
	Bournemouth	crcr	crcr	49	56	8	5	2·5
	Ventnor ...	tlrcp	cpcou	48	56	13	0·5	2·8
	Southsea ...	cpb	bcP	49	58	15	3	3·2
	Bognor Regis	bcq	bcq	49	57	9	3	3·2
	Littlehampton	bcpbc	bcpbc	47	56	6	2	3·5
	Worthing ...	crbc	bcoro	48	57	14	1	2·8
	Brighton ...	cbcrc	pcbc	48	56	18	1	2·1
	Eastbourne†	bccirc	circ	51	57	11	3	1·2
	Hastings† ...	corlthr	corc	51	55	10	12	0·5
	Folkestone ...	rc	irq	46	56	13	5	0·2
	Dover... ...	cirq	ocirq	47	56	12	10	0·0
	Deal	oro	ocor	46	55	13	2	0·1
	Ramsgate ...	obcpcp	bcdc	51	56	10	0·4	1·5
	Margate ...	cr	cr	47	56	18	6	0·7
2	Southend ...	bbcp	bcop	47	55	7	1	3·9
	Maldon ...	cbbc	bcoir	47	58	6	0·3	4·3
	Clacton-on-Sea	bccpc	cbccpc	49	55	5	1	4·5
	Dovercourt ...	rbc	bcpbc	48	56	3	Trace	3·9
	Lowestoft ...	ircbc	bcc	48	55	1	-	4·8
	Skegness ...	obc	bcoro	47	55	Trace	0·2	3·3
	Mablethorpe	bo	bcc	47	55	Trace	-	3·0
	Cleethorpes ...	circ	cr	46	54	1	Trace	2·0
3	Leamington S.	ocpr	cpro	48	55	0·4	4	1·0
4	Cheltenham†	coir	tlrcr	48	52	2	12	0·5
5	Bath	cbcp	cbcrh	51	57	5	5	2·0
	Weymouth ...	qpcbp	pcbcpc	51	57	8	4	2·0
	Jersey ...	rqcbc	pcbc	50	57	4	Trace	4·0
	Torquay ...	tlrhpqc	bcrpqcrp	50	58	5	1	1·7
	Penzance ...	b	bcirq	50	57	13	5	4·7
	St. Ives ...	p	p	47	55	9	5	2·5
	Bude	cpbc	bcop	50	56	8	4	3·1
	Ilfracombe ...	cPH	opc	49	56	18	5	0·0
6	Aberystwyth	cpr	cprc	47	52	10	6	0·0
7	Llandudno ...	circ	c	47	53	10	0·2	1·0
	Colwyn Bay...	bcpoc	bccbc	46	53	13	0·3	0·4
	Rhyl	cpr	prcbc	46	53	10	1	0·3
8	Wallasey ...	cor	Roc	45	51	8	5	0·0
	Southport‖ ...	ocoir	oirco	45	52	7	1	0·7
	Blackpool ...	orcp	cp	47	52	8	5	0·3
	Morecambe ...	rcdpc	cbbcd	45	51	9	0·5	0·5
9	Ilkley... ...	cpbcc	cp	43	50	7	1	0·3
10	Berwick-on-T.	o	Rbc	42	51	1	0·4	1·4
11	Dunbar ...	crm	cm	45	50	1	-	0·0
12	Douglas ...	cbc	circ	45	50	6	1	0·3

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



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 12th Nov., 1931.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Wind westerly, moderate; considerable bright periods, but local showers; rather mild.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Wind northwest or west, fresh or moderate, backing later; some showers; bright intervals; rather mild.
10. N.E. England 11. S.E. Scotland	As 1 - 4.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland	Wind northwest or west, moderate, backing southwest or south later and freshening; variable sky; showers; cloudier later, with perhaps rain; rather mild.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Wind northwest, moderate, backing; variable sky; showers; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 12 - 13.

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 centred northeast of Scotland continues to move away and will be followed by a feeble wedge of high pressure. Northwest or west winds will occur in most districts today, with showers and bright intervals. Further disturbances from the Eastern Atlantic will cause freshening southwest or south winds in the West and North later, with deterioration in weather.

FURTHER OUTLOOK.

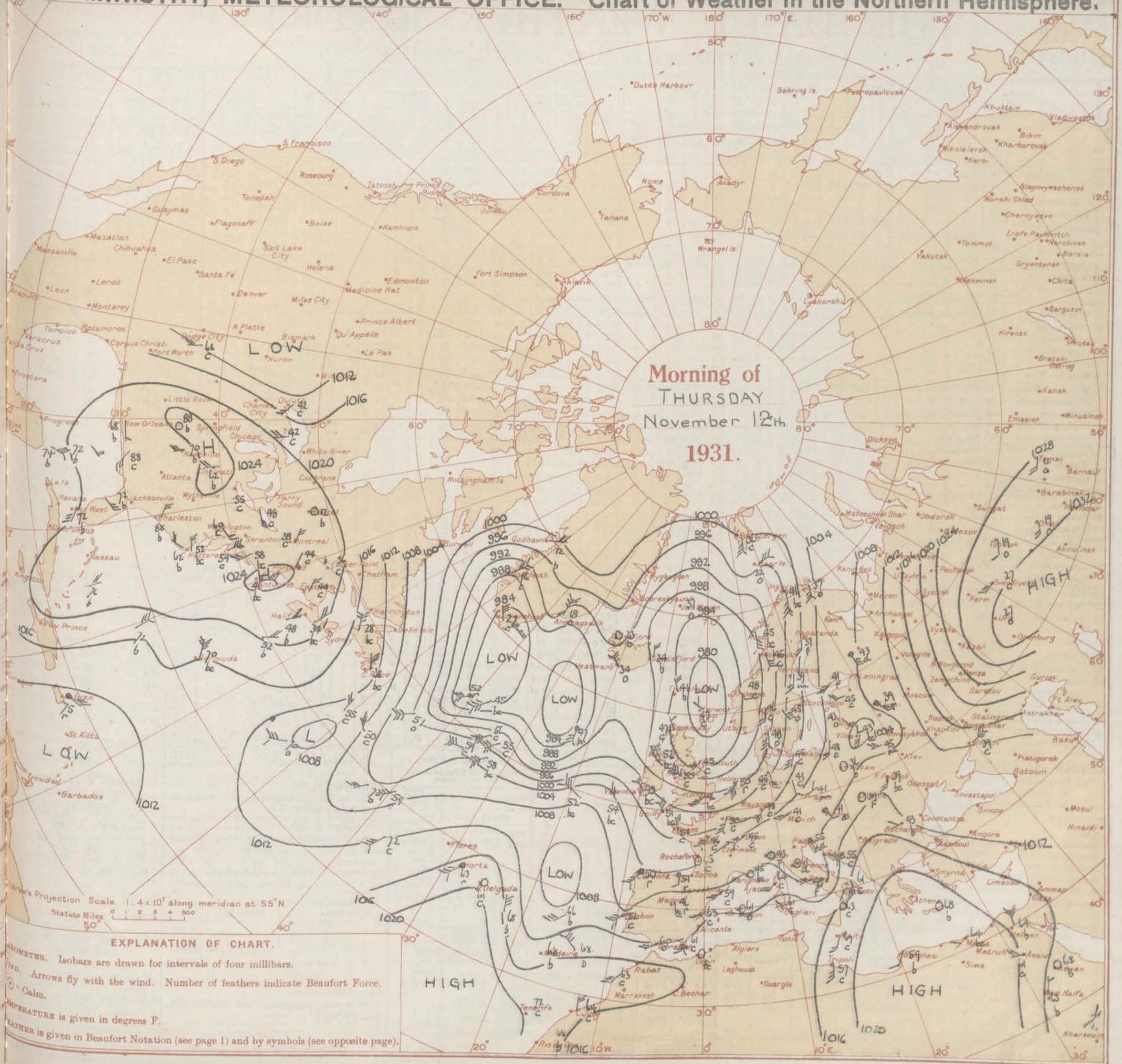
Mild; unsettled, especially in the West and North.

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

Thursday, 12th November 1931.

No. 25.557

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

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	987.6	+14	SSW	2	b	45	95	6	-	3	-	0	Tr.	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	987.2	+10	SWW	2	b	49	95	8	-	-	-	0	0	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	987.8	+18	SWW	4	ir.	47	95	6	6	-	-	10	10	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	985.6	+16	WSW	3	bc	47	95	6	5	-	-	4.6	4.6	2500
	Cranwell ...	240	984.0	+18	SWS	3	bc	45	95	7	5	-	-	2.3	2.3	4000
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	987.5	+16	WSW	4	bc	53	85	8	4	4	-	2.3	4.6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	988.9	+20	WNW	3	bc	49	95	8	3	-	-	2.3	2.3	4000
	Scilly (St. Mary's)	163	990.7	+34	NWN	4	bc/pr	51	95	8	8	-	-	2.3	2.3	4000
	Guernsey ...	175	990.1	+14	W	4	bc/pr	52	86	7	8	-	-	4.6	4.6	1500
6	Pembroke ...	142	986.0	+20	W'N	2	bc	51	95	7	3	6	-	2.3	4.6	1500
7	Holyhead ...	26	984.2	+22	W'N	6	c	51	85	8	5	-	-	7.8	7.8	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	982.1	+6	SWW	4	bc	45	95	6	5	-	-	2.3	2.3	1500
	Tynemouth ...	67	978.9	+16	W	2	bc	45	95	6	2	-	-	4.6	4.6	2500
11	Inchkeith ...	190	977.4	+20	WSW	3	bc	46	95	7	5	-	-	2.3	2.3	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	976.1	+20	NW	1	bc	45	95	7	8	7	-	2.3	4.6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	974.6	+18	NNW	2	c	46	95	7	8	1	-	4.6	7.8	1500
16	Lerwick ...	54	973.7	+2	E	1	c	49	95	7	5	-	-	7.8	7.8	1500
17	Blacksod Point	18	986.8	+26	WNW	6	cq	49	75	7	3	-	-	9+	9+	<150
18	Malin Head ...	52	979.1	+22	WNW	5	bc/p	50	85	7	3	-	-	2.3	2.3	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	991.9	+10	W	6	c	50	95	8	3	-	-	9	9	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)...	992.4	+34	SW	2	b	44	95	5	8	-	-	1	1	2500	1	*
	Croydon ...	991.9	+20	WSW	3	bc	46	96	7	2	3	-	1	2.3	2500	1	*
	S. Farnborough	992.8	-	WSW	3	b	44	95	8	5	3	-	Tr.	Tr.	4000	2	*
	Winchester ...	993.5	+32	SW	2	fg	42	95	6	5	-	-	2.3	2.3	4000	1	*
	Boscombe Down	993.1	+32	WNW	1	b	43	95	7	5	-	-	1	1	2500	1	*
	Calshot (S'thmtn)	993.4	+32	SWW	3	bc	48	95	8	8	3	-	2.3	4.6	1600	1	1
	Dungeness ...	*	*	SW	2	bc	*	*	7	8	1	*	2.3	2.3	1500	*	2
	Lympne ...	992.0	+20	W'S	3	bc	44	95	7	8	-	-	2.3	2.3	2500	1	*
2	Shoeburyness	992.1	+24	W'S	2	bc	45	95	7	5	-	-	2.3	2.3	4000	1	*
	Felixstowe ...	991.4	+20	SW	3	bc	45	95	7	9	-	-	4.6	4.6	4000	1	2
	Gorleston ...	989.8	+20	SW'W	2	bc	45	95	6	-	2	1	0	2.3	-	0	2
	Cranwell ...	988.5	+24	SW'W	4	bc	45	95	6	5	-	-	2.3	2.3	4000	1	*
3	Cardington ...	990.3	+22	WSW	4	c	43	95	6	5	-	-	7.8	7.8	5700	*	*
	Birmingham ...	990.9	+28	WSW	4	b	45	95	8	5	-	-	1	1	2500	1	*
	Upper Heyford	991.9	+38	SW	3	bc	42	95	6	5	3	-	2.3	4.6	5700	1	*
	Leafield ...	991.6	+26	SW	3	bc	41	95	6	5	3	-	2.3	2.3	<150	1	*
4	Ross-on-Wye ...	992.0	+32	SW	3	bc	45	85	8	8	-	-	2.3	2.3	4000	1	*
5	Portland Bill....	993.7	+30	W'N	4	bc	62	86	8	4	4	-	2.3	4.6	2500	1	4
	Plymouth ...	995.3	+50	WNW	3	b	48	85	8	3	-	-	1	1	1500	2	3
	Falmouth ...	996.2	+24	NW'W	3	bc	49	85	8	8	-	-	4.6	4.6	4000	1	2
	Scilly (St. Mary's)	997.2	+30	NW'W	4	bc	51	85	8	2	-	-	4.6	4.6	4000	1	3
	Guernsey ...	995.8	+34	NW	3	bc	52	85	8	8	-	-	4.6	4.6	1500	1	3
6	Pembroke ...	992.9	+30	WNW	2	bc	51	95	7	3	7	-	1	2.3	1500	1	2
7	Holyhead ...	989.5	+24	W'N	7	cjp	50	85	8	3	3	3	7.8	9+	1500	1	3
	Chester (Sealand)	988.5	+30	W'S	4	c	49	75	8	5	-	-	7.8	7.8	4000	1	*
8	L'pool (Bidston)	987.6	+26	W	6	c/r	48	86	8	6	2	-	7.8	10	1500	1	*
9	Harrogate ...	986.1	+14	SW	4	pr	46	95	7	3	-	-	1	1	2500	1	*
10	Spurn Head ...	986.1	+10	W'S	4	c	47	95	6	4	5	-	4.6	7.8	2500	0	3
	Tynemouth ...	983.0	+22	SW	2	c	45	85	6	6	-	-	7.8	7.8	1500	1	2
11	Inchkeith ...	982.1	+18	W	3	bc	45	95	7	5	-	-	4.6	4.6	2500	0	2
	Leuchars ...	982.3	+22	SW	2	b	38	95	7	4	6	-	Tr.	Tr.	4000	1	*
12	Renfrew ...	984.4	+34	-	0	fg	37	95	5	8	3	-	2.3	4.6	4000	1	*
	Eskdalemuir ...	983.8	+26	W'S	3	c	43	95	7	5	-	2	4.6	7.8	1500	1	*
13A	Tiree	983.8	+40	NW'N	5	bc	50	85	8	8	3	-	4.6	4.6	2500	1	3
13B	Stornoway ...	983.4	+20	NW	1	c	47	95	7	8	-	-	7.8	7.8	2500	1	1
15	Dalwhinnie ...	983.4	+24	-	0	bc	36	75	8	4	-	-	4.6	4.6	1500	1	*
	Aberdeen ...	981.2	+28	NW	1	c	41	85	8	-	4	8	0	7.8	-	1	1
	Wick	980.3	+20	W	2	pr	45	95	8	8	6	-	4.6	7.8	1500	1	3
16	Lerwick ...	976.6	+16	WNW	1	c	47	95	7	5	-	-	9	9	1500	1	*
17	Blacksod Point	992.4	+28	WNW	6	cq	50	75	7	8	-	-	9	9	<150	0	4
18	Malin Head ...	986.5	+38	NW	5	cjp	52	95	7	3	-	-	7.8	7.8	1500	1	4
	Aldergrove ...	986.4	+30	SW'W	3	c	46	95	7	8	3	-	7.8	7.8	2500	1	*
	Donaghadee ...	985.0	+24	W	2	bc	48	85	7	5	3	-	4.6	4.6	2500	0	1
19	Birr Castle ...	992.5	+36	WNW	3	c	46	75	8	5	-	-	9+	9+	2500	0	*
20	Valentia Obsy.†	997.3	+28	WNW	4	bc	49	75	8	8	-	-	4.6	4.6	2500	1	-
	Roches Point...	994.0	+26	N	4	bc	47	85	8	5	-	-	2.3	2.3	1500	0	3

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F. (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 11th Hrs. (36)
1	London (Kew)...	56	44	37	3	1	4.1
	Croydon ...	56	43	40	3	2	3.0
	S. Farnborough	56	43	33	2	2	4.2
	Winchester ...	56	39	31	3	3	3.0
	Boscombe Down	55	38	33	5	1	*
	Calshot (S'thmtn)	57	46	43	9	5	2.9
	Dungeness ...	55	48	*	9	5	*
	Lympne ...	53	44	37	6	11	0.1
2	Shoeburyness	56	43	39	1	3	4.5
	Felixstowe ...	55	44	40	0.1	0.3	4.6
	Gorleston ...	57	43	40	-	-	3.2
	Cranwell ...	54	44	41	0.2	Tr.	2.0
3	Cardington ...	*	*	*	*	*	*
	Birmingham ...	51	43	40	5	0.1	2.5
	Upper Heyford	53	41	33	4	0.2	*
	Leafield ...	53	41	34	4	0.2	1.0
4	Ross-on-Wye ...	51	45	39	10	-	0.3
5	Portland Bill....	56	51	*	3	3	*
	Plymouth ...	55	48	44	4	2	1.6
	Falmouth ...	55	48	*	6	3	4.4
	Scilly (St. Mary's)	55	49	*	1	1	5.1
	Guernsey ...	56	50	46	3	9	3.2
6	Pembroke ...	54	49	*	4	0.6	2.2
7	Holyhead ...	53	49	47	Tr.	4	0.4
	Chester (Sealand)	53	46	37	Tr.	0.6	0.2
8	L'pool (Bidston)	50	46	44	5	1	0.5
9	Harrogate ...	49	44	37	1	3	0.0
10	Spurn Head ...	54	45	*	Tr.	Tr.	2.1
	Tynemouth ...	53	44	37	2	0.3	*
11	Inchkeith ...	48	43	41	Tr.	Tr.	0.0
	Leuchars ...	50	37	30	0.2	Tr.	0.0
12	Renfrew ...	49	36	27	0.1	1	0.0
	Eskdalemuir ...	46	39	35	2	1	0.0
13A	Tiree	51	44	33	4	2	1.0
13B	Stornoway ...	49	42	*	-	0.2	0.0
15	Dalwhinnie ...	47	34	30	-	-	0.4
	Aberdeen ...	50	40	33	6	-	0.0
	Wick	51	45	*	1	4	*
16	Lerwick ...	50	46	*	1	0.4	0.0
17	Blacksod Point	52	47	*	2	0.3	*
18	Malin Head ...	51	48	*	4	4	0.6
	Aldergrove ...	50	43	41	0.3	1	0.2
	Donaghadee ...	52	44	*	-	-	*
19	Birr Castle ...	54	44	37	-	-	3.2
20	Valentia Obsy.†	54	47	42	1	0.4	2.7
	Roches Point...	54	46	*	3	-	*

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	cb. cpr	cip. Pq	crcbw	56	44	37	3	1	4.1	*	*	6
CROYDON	217	bc pr.	cpr rrm.	crr.bbc	56	43	40	3	2	3.0	*	*	7
GREENWICH (Royal Observatory) ...	149	bc	bcp.cir	cirbw	58	42	30	1	3	4.0	75	89	5
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	3.6	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	57	43	38	8		4.7	70	89	*
REGENTS PK. (Botanic Gardens) ...	168	*	*	*	*	*	*	*	*	4.6	*	*	*
CAMDEN SQUARE	110	bc	cpcrc	*	56	44	39	3	0.3	*	At 18h. 92	92	*
KENSINGTON	80	bc	cpr	*	57	44	35	4	1	4.7	92	91	*
HAMPSTEAD OBSERVATORY	450	bc	bcor	cm	54	40	34	3	0.3	4.5	*	93	*

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

SOUTH KENSINGTON.

Max.	Time.	Min.	Time.
0.8	18-21h 11th	Nil	1-6h. 12th

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
0.1	20h. 11th	<0.1	2h. 12th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 11th November Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 12th November 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	994.2	SSW	2	bc	54	998.9	SSW	4	c	50	55	46	Tr.	5
BRUSSELS	991.1	SSW	4	bc	52	994.6	SW	4	ir.	48	54	46	Tr.	2
BERLIN	997.9	S	3	c	48	1000.6	SSE	1	c	41	54	41	-	-
ZÜRICH						1007.6	SSW	1	bc	43		39		1
ROME	1012.9	WSW	2	c	59						64		-	

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. 1 Smooth. 2 Slight. 3 Moderate. 4 Rough. 5 Very rough. 6 High. 7 Very high. 8 Precipitous. 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, 13th November 1931.

No. 25558

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	998.4	+16	W'S	4	b	53	65	7	1	-	-	1	1	2500
	Croydon	998.2	+22	W	5	bc	54	65	7	7	-	-	4.6	4.6	2500
	S. Farnborough	998.5	+26	WSW	4	bc	56	55	8	4	-	-	4.6	4.6	2500
	Winchester	998.8	+22	W'N	4	bc	54	65	8	2	-	-	4.6	4.6	2500
	Boscombe Down	999.3	+26	WNW	3	bc	53	65	8	1	-	-	4.6	4.6	4000
	Calshot, S'thmtn	999.3	+18	W'N	5	bc	55	65	8	5	-	-	2.3	2.3	4000
	Dungeness	*	*	WSW	3	bc	*	*	7	5	1	*	1	2.3	2500
	Lympne	997.9	+20	WSW	4	bc	54	65	8	2	-	-	4.6	4.6	4000
2	Shoeburyness	997.7	+30	WSW	4	b	53	75	6	-	-	-	0	0	-
	Felixstowe	996.5	+22	W	4	bc	54	65	8	1	-	-	2.3	2.3	2500
	Gorleston	994.3	+16	W	3	bc	55	75	7	1	4	-	2.3	4.6	4000
	Cranwell	994.0	+26	W'S	4	c	51	75	6	5	3	-	9	9+	2500
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	996.3	+26	W	4	c/p	50	75	8	6	1	-	7.8	9	1500
	Upper Heyford	997.4	+26	W'S	4	bc	53	65	8	7	4	-	1	2.3	4000
	Leafield	997.2	+22	WSW	4	bc	52	65	8	7	-	-	2.3	2.3	4000
4	Ross-on-Wye	997.7	+26	W	4	bc	53	65	8	8	-	-	2.3	2.3	4000
5	Portland Bill	1000.1	+26	WNW	4	bc	54	65	8	2	6	-	2.3	4.6	2500
	Plymouth	1001.6	+22	WNW	4	c	54	65	8	8	3	-	7.8	7.8	2500
	Falmouth	1001.7	+14	NW'N	2	c	51	85	8	8	8	-	4.6	7.8	4000
	Scilly (St. Mary's)	1003.0	+20	WNW	4	bc/pr	52	75	8	3	-	5	2.3	2.3	4000
	Guernsey	1002.1	+20	NW	4	bc	56	65	8	2	4	-	2.3	2.3	2500
6	Pembroke	999.8	+20	WNW	3	bc	52	98	8	3	6	-	2.3	4.6	2500
7	Holyhead	996.2	+34	W'N	7	c	53	85	8	5	3	-	9+	9+	1500
	Chester (Sealand)	994.8	+30	W	3	c	52	75	7	5	-	-	9	9	2500
8	L'pool (Bidston)	993.6	+34	W	6	c	51	85	7	9	7	-	7.8	9	1500
9	Harrogate	991.9	+30	SW	3	c	49	85	8	3	-	-	7.8	7.8	2500
10	Spurn Head	991.8	+12	W'N	5	c	50	85	6	3	3	9	2.3	7.8	2500
	Tynemouth	989.0	+28	W	3	bc	53	85	6	2	-	-	4.6	4.6	2500
11	Inchkeith	989.9	+30	W	3	bc	48	85	6	5	5	-	2.3	4.6	1500
	Leuchars	989.4	+34	W	3	bc	49	75	8	4	-	-	4.6	4.6	5700
12	Renfrew	992.1	+42	NW	3	bc	52	85	7	5	3	-	4.6	4.6	5700
	Eskdalemuir	990.9	+34	SW	3	c	47	85	7	8	-	-	9+	9+	800
13A	Tiree	992.1	+40	NW	4	bc	52	85	8	8	4	-	2.3	4.6	2500
13B	Stornoway	990.6	+46	NW	2	c	50	95	8	9	8	-	4.6	9	2500
15	Dalwhinnie	990.8	+36	WSW	2	c	46	85	8	3	2	-	9	10	800
	Aberdeen	988.4	+38	WNW	3	bc	51	75	7	1	5	-	1	4.6	4000
	Wick	986.7	+42	WNW	3	c/pr	50	85	8	8	1	-	7.8	9	1500
16	Lerwick	983.6	+30	~~NE~~ W'N	2	c	49	85	7	5	7	-	7.8	9	1500
17	Blacksod Point	1000.3	+32	WNW	3	c	50	65	8	-	5	-	0	7.8	-
18	Malin Head	994.0	+40	NW'W	4	c/pr	52	95	8	8	9	-	4.6	7.8	1500
	Aldergrove	994.0	+36	W'N	2	pr	50	95	7	8	-	-	9+	9+	1500
	Donaghadee	992.9	+24	WSW	2	c	52	85	7	8	3	-	4.6	7.8	2500
19	Birr Castle	999.4	+34	NNW	3	c	50	75	8	8	-	-	9+	9+	1500
20	Valentia Obsy.	1003.7	+30	NW	4	c	52	65	8	8	-	-	7.8	7.8	2500
	Roches Point	1001.6	+24	NW	4	c	51	75	8	8	-	-	7.8	7.8	1500

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

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)	1003.1	+28	SW	3	bc	48	75	7	-	8	-	0	4.6	-	1	*
	Croydon	1003.0	+30	W'S	4	bc	48	75	6	-	7	-	0	2.3	-	1	*
	S. Farnborough	1003.6	+30	W'S	2	b	47	75	8	4	-	-	Tr	Tr	4000	1	*
	Winchester	1004.1	+32	W'S	3	b	46	85	7	~~2~~ 5	-	-	1	1	4000	0	*
	Boscombe Down	1004.3	+26	W	4	b	45	95	7	5	-	-	Tr	Tr	4000	1	*
	Calshot, S'thmtn	1004.5	+30	WSW	3	b	49	75	8	5	-	-	Tr	Tr	4000	0	0
	Dungeness	*	*	WSW	2	bc	*	*	7	4	1	*	2.3	4.6	2500	*	2
	Lympne	1002.7	+30	W'S	3	b	45	85	7	-	-	-	0	0	-	1	*
2	Shoeburyness	1003.0	+38	W	2	b	47	85	6	-	-	-	0	0	-	1	*
	Felixstowe	1001.8	+30	WSW	2	bc	50	75	7	5	-	-	2.3	2.3	2500	0	2
	Gorleston	1000.1	+30	W	3	c	51	75	7	5	-	-	10	10	2500	0	2
	Cranwell	999.7	+34	W'S	4	c	48	95	6	5	-	-	9	9	2500	1	*
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1002.1	+30	WSW	2	bc	47	85	8	5	-	-	4.6	4.6	2500	1	*
	Upper Heyford	1002.8	+36	W	3	oc/r	48	85	8	5	1	-	4.6	4.6	1500	1	*
	Leafield	1002.4	+20	SW'W	2	bc	47	85	8	5	-	-	4.6	4.6	4000	1	*
4	Ross-on-Wye	1002.9	+20	WSW	3	c	49	85	8	5	-	-	9	9	2500	1	*
5	Portland Bill	1004.7	+24	W	4	bc	53	65	8	4	4	-	2.3	2.3	2500	1	4
	Plymouth	1006.0	+18	W	1	b/pr	49	75	6	3	-	-	1	1	2500	1	2
	Falmouth	1005.4	+18	WNW	2	bc	49	85	8	2	-	-	4.6	4.6	4000	1	1
	Scilly (St. Mary's)	1006.9	+24	NW	4	c/p	50	75	8	9	-	-	7.8	7.8	2500	1	3
	Guernsey	1006.5	+28	NW	2	bc	52	85	8	7	4	-	2.3	4.6	2500	0	3
6	Pembroke	1004.5	+28	W'S	5	c	52	95	8	2	6	1	4.6	9+	1500	0	2
7	Holyhead	1002.0	+34	WNW	7	c	52	85	8	5	-	-	9+	9+	1500	1	4
	Chester (Sealand)	1000.7	+34	W'S	3	c/pr	51	85	6	6	-	-	9	9	1500	1	*
8	L'pool (Bidston)	999.8	+34	W'N	5	bc	51	85	8	9	-	-	4.6	4.6	1500	1	*
9	Harrogate	998.2	+40	SW	3	b	47	95	7	-	4	-	0	1	-	1	*
10	Spurn Head	997.5	+10	W'N	4	pr	48	95	6	3	1	-	4.6	7.8	2500	1	3
	Tynemouth	996.1	+36	WNW	2	c	49	85	6	5	-	-	7.8	7.8	1500	0	1
11	Inchkeith	996.9	+32	SW	2	c	49	85	8	5	-	-	9+	9+	2500	0	2
	Leuchars	996.9	+44	W	2	bc	46	85	8	4	-	-	2.3	2.3	5700	1	*
12	Renfrew	998.4	+36	SW	2	c	48	85	7	5	-	-	7.8	7.8	4000	1	*
	Eskdalemuir	998.5	+46	-	0	bc	45	85	7	5	4	-	4.6	4.6	1500	1	*
13A	Tiree	998.5	+38	W'S	4	c	50	85	8	8	3	-	7.8	9+	4000	1	2
13B	Stornoway	996.2	+34	WNW	2	bc/pr	47	85	8	9	6	-	4.6	4.6	2500	1	1
15	Dalwhinnie	996.4	+28	-	0	bc	43	75	8	4	-	-	4.6	4.6	1500	0	*
	Aberdeen	996.0	+46	WSW	2	bc	47	85	6	5	-	-	2.3	2.3	4000	1	1
	Wick	995.6	+40	WNW	2	bc	45	95	8	5	-	8	4.6	4.6	4000	1	2
16	Lerwick	989.1	+22	WNW	4	d	47	95	7	6	-	-	9+	9+	1500	1	*
17	Blacksod Point	1005.6	+28	W	3	bc	48	75	8	2	-	-	4.6	4.6	1500	0	3
18	Malin Head	1001.2	+36	WNW	6	i d	49	95	5	9	-	-	9+	9+	1500	1	3
	Aldergrove	1001.1	+38	W	2	pr	48	95	7	9	-	-	9	9	1500	1	*
	Donaghadee	999.7	+26	WSW	2	bc	49	85	7	8	-	-	4.6	4.6	2500	1	1
19	Birr Castle	1005.2	+40	WNW	1	b	45	75	8	4	-	-	1	1	2500	0	*
20	Valentia Obsy.	1007.8	+22	WNW	3	b	50	75	8	8	-	-	1	1	1500	1	4
	Roches Point	1006.4	+28	N	4	bc	48	75	8	3	-	-	2.3	2.3	1500	0	2

PAST 24 HOURS. WEATHER.

District	Stations.	7h.–13h. 12th (37)	13h.–18h. 12th (38)	18h. 12th to 1h. 13th (39)	1h.–7h. 13th (40)
1	London (Kew)	bm₀wb	bz₀ybc	bcc	bm₀w
	Croydon	bbc	bcbz₀y	bbcm₀	bm₀w
	S. Farnborough	bbc	bc/bv	bwbcw	bcwbx
	Winchester	bcbm₀bc	bcb	bw	bwbff
	Boscombe Down	bbc	bcb	bbc	bcbw
	Calshot, S'thmtn	b	bcb	bw	bw
	Dungeness	b	bc	*	bc
	Lympne	bc	bcb	bccm₀	cbom₀
2	Shoeburyness	bcbm₀	bm₀	bm₀	bf
	Felixstowe	bcbz₀	bbc	bc	bwbc
	Gorleston	bc	bcc	cbc	bccm₀
	Cranwell	bccm₀	cz₀bc	brcm₀	bcm₀w
3	Cardington	*	*	cbc	bccm₀
	Birmingham	bc	c	bc	bc
	Upper Heyford	bcb	bccir₀	bcbw	bwxbc
	Leafield	bc	bcc	bcb	bc
4	Ross-on-Wye	bc	bcc	cbccb	bbcb
5	Portland Bill	bc	bc-bc	bc	cbcw
	Plymouth	b,c	cpr₀bz₀	bbc	bbcw
	Falmouth	bccp	cbc	bc	bc
	Scilly (St. Mary's)	bccbc	bcp₀c	cbcb	bbc
	Guernsey	bc	bc	bccpr	bcw
6	Pembroke	bcq	bcq	bc	bc
7	Holyhead	pr₀cqc	c	cbc	bbc
	Chester (Sealand)	pr₀d₀c	cPRm₀	pR	bc
8	L'pool (Bidston)	rq₀oc	cqpbc	bccbc	bvbcv
9	Harrogate	deep	cbp	b	b
10	Spurn Head	cprc	cpr	cprbcc	bc
	Tynemouth	cmbc	bbc	c	cbc
11	Inchkeith	m₀bc	bcc	cbc	bc
	Leuchars	bwbc	bcw	bcwbx	bxcw
12	Renfrew	cm₀bc	bcc	cbc,pr	bccprb
	Eskdalemuir	cbc	cbc	bcb	bcc
13A	Tiree	bccbc	pr₀bc	cpRb	bc
13B	Stornoway	cpr	cbcpr	bcpr₀	bcc
15	Dalwhinnie	bc	bc	*	bc
	Aberdeen	cbc	bcb	b	bc
	Wick	cprc	pr₀bc	bcpr₀	bc
16	Lerwick	cpr₀	cpr₀d	cd	bcpr
17	Blacksod Point	prc	c	c	cq
18	Malin Head	cpr	cpr	cidbc	bc
	Aldergrove	cp	cpr	p₀r	bcb
	Donaghadee	pr₀bc	pr₀bc	cbcb	bw
19	Birr Castle	c	cbcb	b	bbcx
20	Valentia Obsy.	bcpr₀c	cpr₀cbc	pr₀bc	bcc
	Roches Point	bcp₀c	cbc	bcbw	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.
f_s, fog over sea (coast station).
f_g, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s_o, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s_o/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

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

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.

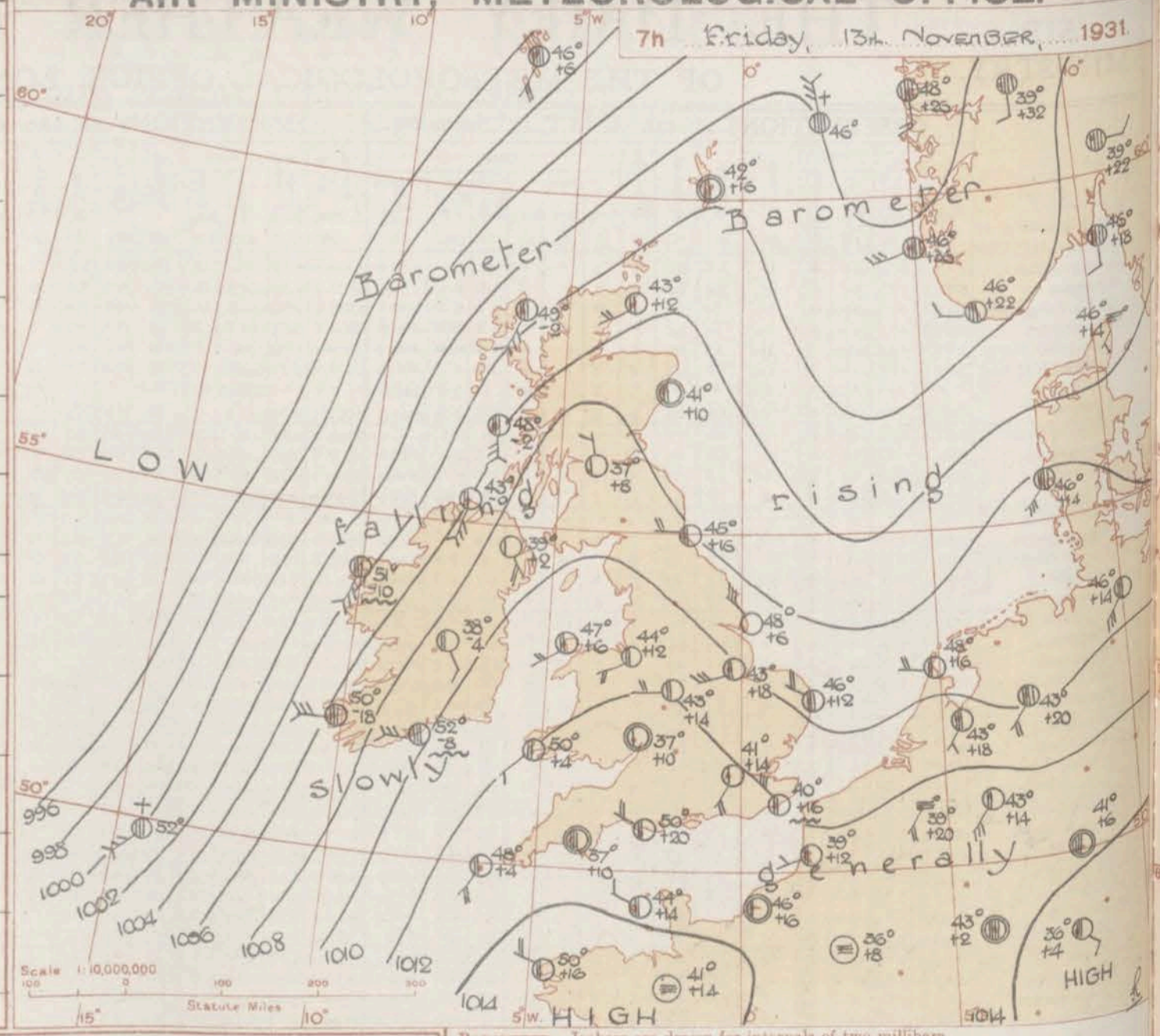
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 12th NOVEMBER 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 11th to 9h. 12th	Temperature. Max. 9h.—17h. 12th	Rainfall. Night 17h. 11th to 9h. 12th	Rainfall. Day 9h.—17h. 12th	Sunshine. Sunrise to Sunset. 12th
1	Tunbridge W.	b	b	39	54	12	-	8·1
	Bournemouth	b	b	43	56	4	-	8·0
	Ventnor ...	rb	b	47	56	5	-	7·6
	Southsea ...	bbc	b	45	55	3	-	7·5
	Bognor Regis	bbc	bc	42	56	3	-	7·1
	Littlehampton	bc	bc	39	56	4	-	7·3
	Worthing ...	b	b	44	56	4	-	7·4
	Brighton ...	bc	bc	48	55	4	-	7·6
	Eastbourne†	b	b	48	54	16	-	7·8
	Hastings† ...	bmb	b	45	55	12	-	7·3
	Folkestone ...	crcb	bbcb	45	56	11	-	7·1
	Dover... ...	bc	bc	47	56	10	-	8·0
	Deal	b	b	45	55	10	-	7·6
	Ramsgate ...	bcb	bbc	46	55	4	-	7·4
	Margate ...	bcb	bbc	45	56	8	-	7·7
2	Southend ...	bz	bz	43	54	3	-	7·4
	Maldon ...	b	bbc	42	55	1	-	7·0
	Clacton-on-Sea	bc	bc	45	54	2	-	7·5
	Dovercourt ...	rbcb	bc	44	55	0·5	-	6·4
	Lowestoft ...	b	b	43	52	-	-	5·3
	Skegness ...	cbc	bcom	43	53	Trace	-	2·4
	Mablethorpe	cbc	bcc	42	53	-	-	2·8
	Cleethorpes ...	bcrrc	rbc	44	53	Trace	1	3·1
3	Leamington S.	bbc	co	43	53	Trace	-	4·3
4	Cheltenham†	bcb	bbccp	44	54	1	Trace	5·7
5	Bath	b	bbcb	43	54	2	-	7·2
	Weymouth ...	b	b	48	58	1	-	8·0
	Jersey ...	rcbc	bcc	50	58	6	-	7·7
	Torquay ...	rpbwm	bbcbm	42	56	2	-	7·5
	Penzance ...	b	bp	48	57	7	0·2	6·3
	St. Ives ...	p	c	47	54	3	0·5	2·7
	Bude	cbc	bc	50	54	1	-	6·3
	Ilfracombe ...	cbc	bbcc	42	54	0·1	-	4·3
6	Aberystwyth	c	c	48	52	-	-	0·2
7	Llandudno ...	cpc	c	48	52	3	Trace	0·2
	Colwyn Bay...	rb	oc	47	52	3	-	0·1
	Rhyl	prc	c	48	52	3	-	0·0
8	Wallasey ...	oc	c	46	52	2	-	0·0
	Southport‖ ...	acopc	ccobc	48	53	5	0·1	1·2
	Blackpool ...	cp	bcc	48	53	2	0·2	1·0
	Morecambe ...	brobc	bodpbc	48	52	3	0·3	0·9
9	Ilkley	cp	cp	45	50	15	3	0·0
10	Berwick-on-T.	bbc	c	40	52	-	-	5·7
11	Dunbar ...	bcm	cm	42	51	-	-	4·7
12	Douglas ...	cbcdcdcb		47	52	1	Trace	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. 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. 13th Nov. 1931.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Wind southwest or south, moderate, freshening; fair today, perhaps rain later; mild.
5. S.W. England ▼ 6. South Wales ▼ 7. North Wales ▼ 8. N.W. England ▼	Wind southerly, fresh or strong, gale on coast, veering later; cloudy; some rain; mild.
9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind southwest or south, moderate to strong; cloud increasing; probably rain later; mild.
12. S.W. Scotland & Isle of Man ▼ 13. A. W Scotld. ▼ B. N.W. Scotland. ▼	Wind southerly, fresh or strong, gale on coast, veering; cloudy; some rain and showers; mild at first, somewhat cooler tomorrow
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Wind southerly, moderate to strong, veering a little later; cloud increasing; probably rain later; rather mild
17. N.W. Ireland ▼ 18. N.E. Ireland ▼ 19. S.E. Ireland ▼ 20. S.W. Ireland ▼	Wind southerly, fresh or strong, gale in places, veering; cloudy; rain or showers; becoming somewhat cooler.

GENERAL INFERENCE.

A ridge of high pressure lies southward of the British Isles. A depression centred off Southwest Iceland will move northeast and a very intense secondary west of Southern Ireland will move quickly northeast bringing stormy unsettled weather to most districts of the British Isles

FURTHER OUTLOOK.

Somewhat unsettled, with some rain or showers but also bright periods; probably cooler in the West.

Times of issue of Gale Warnings

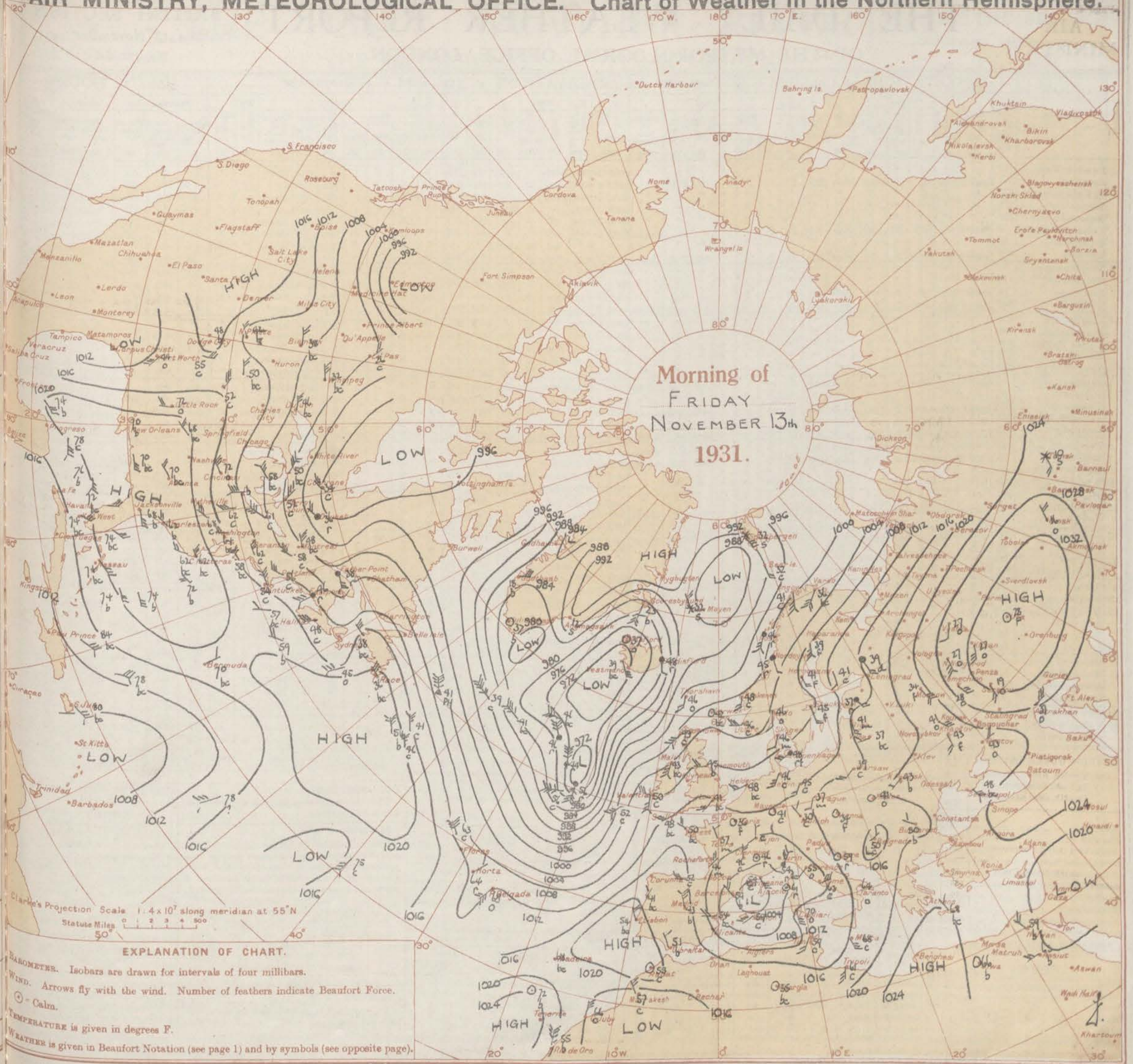
▼ South Cone at 1900 on 12th in 13, 17 and 20.
▼ South Cone at 0835 on 13th in 5, 6, 7, 8, 12, 18, and 19.

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

Forecasts issued at 1010 G.M.T.

H.M. Stationery Office Press, Kingsway, 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

Friday, 13th November 1931.

No. 25558

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1009·0	+2·0	SW	3	bc	46	85	7	-	3	-	0	2·3	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1009·8	+1·8	W'S	3	b	46	85	8	6	-	-	1	1	4000
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1008·4	+2·2	NW'W	3	c	44	95	6	5	2	-	4·6	7·8	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1006·1	+2·0	W	2	bc	48	85	7	-	1	-	0	4·6	-
	Cranwell	240	1007·2	+3·2	W'S	2	bc	47	95	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	1010·3	+1·8	WNW	3	c	52	85	8	4	-	-	7·8	7·8	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1010·7	+6	WNW	2	bc	48	85	8	4	-	-	4·6	4·6	4000
	Scilly (St. Mary's)	163	1012·1	+1·4	N'E	2	b	48	75	8	-	-	-	0	0	-
	Guernsey	175	1011·8	+2·0	WNW	1	bc	48	85	9	8	-	-	4·6	4·6	2500
6	Pembroke	142	1009·8	+2·4	NW	2	bc	49	85	7	5	-	-	2·3	2·3	1500
7	Holyhead	26	1008·9	+2·4	NW'W	4	bc	50	75	8	5	-	-	2·3	2·3	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1005·4	+1·4	NW	4	c	49	85	6	5	2	-	4·6	9+	1500
	Tynemouth	67	1004·3	+2·8	W	2	c	49	85	7	6	-	-	7·8	7·8	1500
11	Inchkeith	190	1005·5	+3·6	W	3	bc	45	95	7	5	-	-	2·3	2·3	800
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1001·0	+1·6	W	2	bc	45	95	7	3	-	-	4·6	4·6	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1001·3	+2·0	WSW	2	bc	44	95	8	8	1	8	4·6	4·6	2500
16	Lerwick	54	999·7	+2·6	W'N	1	b	45	95	8	5	-	-	1	1	1500
17	Blacksod Point	18	1005·1	+4	S	3	bc	51	75	7	5	-	-	4·6	4·6	800
18	Malin Head	52	1005·7	+1·6	S'E	3	bc	43	95	8	5	-	-	2·3	2·3	2500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1009·0	0	W	2	bc	50	95	7	4	-	-	4·6	4·6	2500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1012·5	+2·0	SSW	1	bc	41	95	6	7	8	-	1	2·3	2500	1	*
	Croydon	1012·1	+1·4	SW	2	b	41	96	6	-	3	-	0	Tr.	-	1	*
	S. Farnborough	1012·6	+1·4	WSW	1	fg	39	96	6	5	-	-	Tr.	Tr.	2500	1	*
	Winchester	1013·2	+1·8	-	0	bf	31	95	2	-	-	-	0	0	-	1	*
	Boscombe Down	1012·9	+1·4	W	2	fg	37	95	7	5	-	-	Tr.	Tr.	2500	1	*
	Calshot, (S'thmtn)	1012·5	+1·4	W	1	b	41	95	7	5	-	-	Tr.	Tr.	4000	0	1
	Dungeness	*	*	W	2	bc	*	*	7	6	7	*	2·3	4·6	2500	*	*
	Lympne	1011·7	+1·6	NW	3	bc	40	95	6	-	7	-	0	4·6	-	1	*
2	Shoeburyness	1011·5	+1·6	W'S	1	bf	42	95	3	-	4	-	0	Tr.	-	0	*
	Felixstowe	1011·2	+2·0	NW	2	bc	45	95	6	5	3	9	2·3	4·6	5700	0	1
	Gorleston	1009.1	+1·2	WNW	2	c	46	95	6	5	-	-	9+	9+	2500	0	2
	Cranwell	1010·8	+1·8	W'S	3	bc	43	95	6	5	3	-	2·3	2·3	4000	1	*
3	Cardington	1011.0	+2·0	W	2	c	43	95	6	5	-	-	7·8	7·8	7200	*	*
	Birmingham	1012·2	+1·4	W	2	bc	43	95	6	5	3	-	2·3	2·3	4000	1	*
	Upper Heyford	1012·6	+1·8	NW	2	bc	44	95	7	5	3	-	2·3	2·3	2500	1	*
	Leafield	1012·1	+1·4	NW'W	2	bc	41	95	8	5	-	-	4·6	4·6	4000	1	*
4	Ross-on-Wye	1012·6	+1·0	-	0	b	37	95	8	5	-	-	Tr.	Tr.	4000	1	*
5	Portland Bill	1012·7	+2·0	WNW	2	bc	50	65	8	4	-	-	2·3	2·3	2500	1	3
	Plymouth	1013·1	+1·0	-	0	c	37	95	7	5	-	-	7·8	7·8	800	1	1
	Falmouth	1012·5	+0·6	-	0	bc	45	95	8	7	-	-	2·3	2·3	4000	0	0
	Scilly (St. Mary's)	1012·9	+0·4	SW'W	2	bc	48	85	8	2	-	-	2·3	2·3	4000	1	2
	Guernsey	1013·3	+1·4	WNW	1	bc	44	95	9	8	-	-	4·6	4·6	2500	1	2
6	Pembroke	1012·0	+0·4	SW	1	bc	50	95	7	3	6	-	4·6	4·6	2500	0	1
7	Holyhead	1010·7	+0·6	SW'W	2	bc	47	75	9	4	-	-	4·6	4·6	2500	1	0
	Chester (Sealand)	1011·4	+1·2	WSW	2	bc	44	85	6	5	-	-	4·6	4·6	4000	1	*
8	L'pool (Bidston)	1010·9	+1·0	WSW	3	bc	45	85	9	4	-	-	4·6	4·6	2500	0	*
9	Harrogate	1009.6	+1·0	SW	2	b	44	95	8	4	-	-	1	1	4000	1	*
10	Spurn Head	1009.0	+0·6	NW	3	c	48	95	6	5	7	1	2·3	9	2500	0	2
	Tynemouth	1008·0	+1·6	W	2	bc	45	95	6	2	-	-	4·6	4·6	2500	0	2
11	Inchkeith	1007.9	+1·6	SW	3	bc	45	95	6	5	4	-	1	2·3	800	0	2
	Leuchars	1007.8	+1·8	W	2	c	43	95	8	4	-	-	7·8	7·8	4000	1	*
12	Renfrew	1008·9	+0·8	NNW	1	b	37	95	7	5	-	-	1	1	2500	1	*
	Eskdalemuir	1009·1	+1·0	-	0	c	39	95	8	5	-	-	7·8	7·8	2500	1	*
13A	Tiree	1004.8	-2·0	S	4	c	48	95	7	8	-	8	2·3	7·8	2500	1	3
13B	Stornoway	1002.7	-2·0	SSW	4	c	49	95	8	3	2	-	4·6	7·8	2500	1	2
15	Dalwhinnie	1008·5	+1·8	SW	1	b	37	85	8	1	-	-	1	1	2500	1	*
	Aberdeen	1006·7	+1·0	-	0	bc	41	85	7	5	-	-	4·6	4·6	2500	1	1
	Wick	1004·3	+1·2	WSW	2	bc	43	95	8	8	8	8	4·6	4·6	2500	1	2
16	Lerwick	1003·8	+1·6	-	0	bc	42	95	7	5	-	-	4·6	4·6	1500	1	*
17	Blacksod Point	1003.6	-1·0	SSW	4	cjp	51	85	7	8	-	-	9+	9+	220	0	4
18	Malin Head	1005·9	0	S'W	4	bc	43	95	8	5	-	9	Tr.	2·3	4000	0	2
	Aldergrove	1009·1	+2·0	S'E	2	b	39	95	7	5	-	-	Tr.	Tr.	2500	1	*
	Donaghadee	1008.6	+4·0	WSW	1	b	40	95	7	5	-	-	1	1	2500	0	0
19	Birr Castle	1008·2	-4·0	SSE	1	bc	38	95	8	-	4	9	0	2·3	-	0	*
20	Valentia Obsy.†	1007.0	-1·8	S	4	c	50	85	8	8	1	-	7·8	7·8	2600	1	*
	Roches Point	1009.7	-8	W	4	c	52	86	8	3	-	-	7·8	7·8	2500	0	4

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F. (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 12th Hrs. (36)
1	London (Kew)	54	41	32	Tr	-	7.6
	Croydon	54	41	38	-	Tr.	8.2
	S. Farnborough	57	38	26	Tr	Tr.	8.0
	Winchester	55	30	27	-	Tr.	7.8
	Boscombe Down	53	36	30	-	Tr.	*
	Calshot, (S'thmtn)	55	41	38	-	-	7.9
	Dungeness	56	41	*	-	-	*
	Lympne	55	40	36	-	-	7.7
2	Shoeburyness	54	40	34	-	-	7.1
	Felixstowe	54	45	40	-	-	6.8
	Gorleston	55	45	42	-	-	4.6
	Cranwell	52	43	38	-	0.1	3.5
3	Cardington	*	*	*	*	*	*
	Birmingham	51	43	37	-	-	3.2
	Upper Heyford	53	40	29	Tr	-	*
	Leafield	52	40	34	0.1	-	6.4
4	Ross-on-Wye	54	36	28	-	-	5.0
5	Portland Bill	55	49	*	-	-	*
	Plymouth	55	36	34	0.2	Tr.	4.9
	Falmouth	54	45	*	2	-	5.5
	Scilly (St. Mary's)	55	46	*	Tr	-	5.1
	Guernsey	56	43	35	-	2	6.8
6	Pembroke	54	47	*	-	-	6.6
7	Holyhead	53	47	41	Tr	-	1.2
	Chester (Sealand)	52	42	33	1	3	0.1
8	L'pool (Bidston)	51	44	42	0.5	-	0.0
9	Harrogate	51	44	40	1	-	2.0
10	Spurn Head	52	47	*	0.3	0.2	1.9
	Tynemouth	54	45	41	-	-	*
11	Inchkeith	51	44	41	-	-	4.0
	Leuchars	51	38	29	-	Tr.	2.9
12	Renfrew	53	36	29	-	0.4	2.9
	Eskdalemuir	49	37	33	-	-	2.8
13A	Tiree	52	42	33	0.1	1	1.9
13B	Stornoway	52	42	*	1.0 ~~0.1~~	0.1	2.3
15	Dalwhinnie	47	35	30	-	Tr.	0.4
	Aberdeen	52	38	30	-	-	2.0
	Wick	50	41	*	0.2	0.1	*
16	Lerwick	49	41	*	0.3	1	0.3
17	Blacksod Point	51	45	*	Tr	-	*
18	Malin Head	52	41	*	4	0.6	1.1
	Aldergrove	51	35	30	3	Tr.	1.5
	Donaghadee	54	37	*	0.5	-	*
19	Birr Castle	50	35	23	-	-	0.3
20	Valentia Obsy.†	53	43	38	0.5	0.2	4.5
	Roches Point	52	39	*	0.2	Tr.	*

LONDON OBSERVATIONS.

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

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	bm.wb	b3.ybc	bcbw	54	41	32	Tr.	-	7.6	*	*	4
Croydon	217	bbc	bcb3.y	bbbmw	54	41	38	-	Tr.	8.2	*	*	5
Greenwich (Royal Observatory)	149	b	b	bcxf	55	39	28	-	Tr.	7.4	60	93	3
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	6.0	*	*	*
Westminster (St. James' Park)	27	*	*	*	56	41	35	-	-	7.1	57	95	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	6.4	*	*	*
Camden Square	110	bbc	b	*	55	43	35	-	-	*	*	94	*
Kensington	80	b3bc	bc3	*	55	42	31	-	-	7.2	At 18h. 74	86	*
Hampstead Observatory	450	bcm	bc	bcm	54	39	30	-	Tr.	6.8	*	91	*

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

South Kensington Max.	Time.	Min.	Time.
1.3	8-9h. 18-19h. 12th	0.5	1-5h. 13th

Kew Observatory Max.	Time.	Min.	Time.
0.3	18h. 12th	0.1	4h. 13th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 12th November Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 13th November 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	1006·9	WSW	2	bc	52	1014.0?	-	0	F	36	55	34	0·2	Tr.
Brussels	1004.2	SW	2	bc	48	1012·8	SSW	2	bc	39	54	39	Tr	-
Berlin	1004.4	SSW	4	dd	48	1012·2	SW'S	2	c	45	54	39	-	Tr.
Zurich	1011·8	ENE	1	3	46	1014·2	NE	1	c	39	59	39	2	-
Rome	1012·7	S	4	bc	61	1011.4	E	3	0	63	68	59	-	-

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 9, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 14th November 1931.

No. 25559

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)	SUNSHINE 12h. Hrs. (36)
1	London (Kew)...	1013.5	-4	WSW	1	b	51	85	6	-	-	-	0	0	-	7.6
	Croydon ...	1013.3	-4	-	0	b	54	75	6	2	-	-	1	1	4000	8.2
	S. Farnborough	1013.4	-4	WSW	2	b	56	65	8	1	-	-	Tr	1r	2500	8.0
	Winchester ...	1013.0	-10	S	2	b	54	75	6	-	-	-	0	0	-	7.8
	Boscombe Down	1013.7	-4	S'W	2	b	53	65	7	1	-	-	1	1	4000	*
	Calshot, S'thmtn	1013.8	-2	-	0	b	58	65	6	1	-	-	1	1	2500	7.9
	Dungeness ...	*	*	NW	1	bc	*	*	6	7	3	-	4.6	4.6	2500	*
	Lympne ...	1012.9	+2	NW	2	b	53	75	6	2	-	-	Tr	Tr	4000	7.7
2	Shoeburyness	1013.1	0	WNW	3	bc	53	75	5	-	3	-	0	2.3	-	7.1
	Felixstowe ...	1012.9	+8	-	0	bc	52	75	7	7	3	-	2.3	4.6	4000	6.8
	Gorleston ...	1012.4	+14	W'S	1	bc	51	85	6	-	7	-	0	2.3	-	4.6
	Crauwell ...	1012.1	+2	WSW	2	b	53	75	6	-	3	-	0	Tr	-	3.5
3	Birmingham ...	1012.2	-2	WSW	2	bc	51	55	8	1	-	1	1	2.3	4000	*
	Upper Heyford	1013.1	0	S'E	2	bc	53	75	7	7	-	5	4.6	4.6	2500	3.2
	Leafield ...	1012.4	+2	S	2	b	51	65	8	1	-	1	1r	Tr	4000	*
4	Ross-on-Wye ...	1012.3	+4	W'S	2	bc	51	65	7	2	-	1	2.3	2.3	4000	5.4
5	Portland Bill...	1013.2	+8	NW	2	bc	55	75	8	1	-	-	4.6	4.6	2500	5.0
	Plymouth ...	1012.9	-10	S	1	b	54	65	8	2	-	1	1	1	2500	*
	Falmouth ...	1011.8	-16	SSW	4	bc	53	75	8	1	-	5	4.6	4.6	4000	4.9
	Scilly (St. Mary's)	1011.5	-14	S	4	bc	53	75	8	2	-	5	4.6	4.6	4000	5.5
	Guernsey ...	1014.0	-2	SSW	3	bc	57	65	8	8	4	-	4.6	4.6	2500	5.1
6	Pembroke ...	1010.1	-16	S	2	bc	53	85	8	1	6	-	2.3	4.6	4000	6.8
7	Holyhead ...	1010.1	-12	SSE	4	c	51	85	8	2	-	6	2.3	7.8	2500	6.6
	Chester (Sealand)	1012.0	-4	SSW	1	c	54	55	8	1	-	6	1	7.8	4000	1.2
8	L'pool (Bidston)	1011.4	0	WSW	3	bc	50	65	8	7	-	9	2.3	4.6	4000	0.1
9	Harrogate ...	1011.0	+6	SW	2	b	51	75	7	1	-	5	Tr	Tr	2500	0.0
10	Spurn Head ...	1011.6	+4	W'N	2	bc	52	85	5	5	-	1	2.3	4.6	1500	2.0
	Catterick ...	1010.5	-2	WSW	1	bc	53	65	8	8	-	4	4.6	4.6	2500	1.9
	Tynemouth ...	1009.8	+2	W	1	bc	53	75	6	7	-	1	2.3	4.6	4000	*
11	Inchkeith ...	1008.5	+8	SW	3	bc	49	75	8	5	-	9	2.3	4.6	2500	4.0
	Leuchars ...	1008.8	-2	WSW	3	c	49	75	6	7	-	6	2.3	7.8	2500	2.9
12	Renfrew ...	1008.5	-10	S	4	c	49	85	7	8	7	6	1r	9	2500	2.9
	Eskdalemuir ...	1009.4	-4	S'W	4	c	46	85	7	8	3	1	7.8	9	1500	2.8
13A	Tiree ...	1002.7	-14	S'E	6	c	50	75	7	5	2	8	1r	9+	2500	1.9
13B	Stornoway ...	1001.7	-12	S	6	c	51	85	7	9	9	9	4.6	7.8	1500	2.3
15	Dalwhinnie ...	1009.0	-12	S	3	bc	45	75	8	5	1	-	4.6	4.6	2500	0.4
	Aberdeen ...	1007.6	-2	SSW	2	c	49	75	7	-	-	6	0	7.8	-	2.0
	Wick ...	1005.4	0	SSW	3	bc	46	85	8	5	7	8	4.6	~~7.8~~ 8	2500	*
16	Lerwick ...	1005.9	+6	SSW	1	c	50	95	7	8	3	-	4.6	7.8	1500	0.3
17	Blacksod Point	998.0	-24	S	8	u	53	75	8	9	-	-	9+	9+	<150	*
18	Malin Head ...	1002.2	-26	S	6	c	48	95	8	5	9	2	1	9	2500	1.1
	Aldergrove ...	1007.2	-14	SSE	4	c	50	75	8	1	7	6	1	9	2500	1.5
	Donaghadee ...	1007.2	-16	SW	3	bc	52	75	8	7	3	-	2.3	4.6	2500	*
19	Birr Castle ...	1004.8	-22	S	4	c	51	75	8	6	1	-	9	10	1500	0.3
20	Valentia Obsy.	1001.3	-32	SSE	6	c	54	85	8	3	1	1	7.8	9+	1500	4.5
	Roches Point...	1006.4	-20	SW	6	c	54	75	8	3	-	-	7.8	7.8	2500	*

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

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1013.1	0	S	1	bf	44	95	3	-	-	-	0	0	-	1	*
	Croydon ...	1013.3	+2	SSW	3	b	43	95	4	-	-	-	0	0	-	1	*
	S. Farnborough	1013.1	+2	SSW	2	b	45	75	6	-	-	-	0	0	-	1	*
	Winchester ...	1013.2	+2	SSW	1	b	40	95	6	5	-	-	1	1	4000	1	*
	Boscombe Down	1013.0	-2	SSW	3	b	43	95	7	5	-	-	1	1	4000	1	*
	Calshot, S'thmtn	1013.6	0	SSE	3	bc	50	85	7	5	2	-	2.3	2.3	4000	0	1
	Dungeness ...	*	*	SW	1	bc	*	*	7	7	-	*	4.6	4.6	2500	*	0
	Lympne ...	1013.2	+6	SW	2	b	46	95	6	-	-	-	0	0	-	1	*
2	Shoeburyness	1013.7	0	-	0	b	44	95	4	-	-	-	0	0	-	0	*
	Felixstowe ...	1013.6	+4	-	0	f	45	95	3	-	-	-	0	0	-	1	0
	Gorleston ...	1012.8	+4	W'S	1	b	48	95	5	-	-	-	0	0	-	0	2
	Crauwell ...	1011.7	-2	SSW	2	b	40	95	5	5	-	-	Tr	Tr	4000	0	*
3	Birmingham ...	1011.6	-4	SSW	3	b	44	75	7	5x	-	1	1	1	4000	1	*
	Upper Heyford	1012.5	-2	S	2	bc	43	85	7	-	-	5	0	2.3	-	0	*
	Leafield ...	1012.1	-6	S	2	b	40	95	8	-	-	3	0	Tr	-	1	*
4	Ross-on-Wye ...	1011.1	-4	S	2	b	44	75	6	-	-	1	0	1	-	1	*
5	Portland Bill...	1012.1	-4	SW'S	3	bc	52	65	8	4	7	-	4.6	4.6	2500	1	3
	Plymouth ...	1011.2	-10	SSW	4	bc	51	75	8	2	-	8	2.3	2.3	2500	1	2
	Falmouth ...	1010.0	-12	SSW	6	q	51	85	8	5	3	6	2.3	7.8	4000	0	3
	Scilly (St. Mary's)	1008.0	-18	S	6	c	51	85	8	8	4	-	4.6	7.8	4000	1	3
	Guernsey ...	1013.4	0	-	0	bc	46	85	8	1	-	-	2.3	2.3	4000	0	1
6	Pembroke ...	1006.8	-16	SSE	3	bc	53	95	7	5	6	-	4.6	4.6	2500	0	2
7	Holyhead ...	1007.5	-18	S'E	5	bc	50	85	7	6	-	3	Tr	4.6	1500	1	2
	Chester (Sealand)	1010.1	-4	SE	2	bc	37	85	6	-	-	4	0	4.6	-	1	*
8	L'pool (Bidston)	1009.3	-2	SE'S	3	bc	45	75	8	5	-	-	2.3	2.3	4000	0	*
9	Harrogate ...	1011.0	0	SW	1	b	41	85	6	-	-	-	0	0	-	1	*
10	Spurn Head ...	1010.2	0	S'W	2	bc	48	85	5	5	-	1	2.3	4.6	800	0	1
	Catterick ...	1009.9	-2	SSW	1	c	41	85	7	-	-	6	0	9+	-	0	*
	Tynemouth ...	1009.3	-4	SSW	2	bc	47	75	6	5	-	-	4.6	4.6	1500	0	1
11	Inchkeith ...	1007.2	-8	SSE	2	bc	47	85	8	5	-	-	4.6	4.6	4000	0	1
	Leuchars ...	1006.9	-10	SSE	4	bc	45	75	7	4	-	2	1	2.3	4000	1	*
12	Renfrew ...	1006.1	-14	SSE	4	c	47	85	7	5	7	8	4.6	9	2500	1	*
	Eskdalemuir ...	1007.6	-10	S'W	3	b	41	85	8	5	-	1	1	1	2500	1	*
13A	Tiree ...	999.4	-30	SSE	7	bc	50	75	7	5	-	-	4.6	4.6	2500	0	5
13B	Stornoway ...	996.4	-24	SSE	8	c	51	85	8	6	2	-	7.8	10	1500	1	5
15	Dalwhinnie ...	1005.5	-20	SSE	4	bc	44	75	5	2	-	-	4.6	4.6	2500	0	*
	Aberdeen ...	1006.0	-8	SSW	3	b	46	55	7	-	-	8	0	1	-	1	1
	Wick ...	1002.1	-18	SSE	4	c	48	85	8	5	7	8	4.6	9	2500	1	3
16	Lerwick ...	1004.7	-12	S	2	bc	48	95	7	5	4	-	4.6	4.6	1500	1	*
17	Blacksod Point	991.8	-30	S	10	RR	51	95	7	6	-	-	10	10	<150	1	9
18	Malin Head ...	986.3	-22	S'E	7	c	50	85	7	5	1	-	7.8	10	2500	0	4
	Aldergrove ...	1002.5	-22	SSE	5	c	48	75	8	5	2	-	2.3	9+	2500	1	*
	Donaghadee ...	1003.7	-12	SW	3	c	50	75	7	5	2	-	4.6	7.8	1500	0	2
19	Birr Castle ...	1000.2	-28	S	4	1r	51	85	7	6	2	-	7.8	10	1500	1	*
20	Valentia Obsy.	996.2	-26	S'E	6	rr	53	95	6	6	-	-	10	10	1500	1	4
	Roches Point...	1001.8	-22	SW	6	1r	54	85	8	6	-	-	9	9	1500	1	6

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. 13th (37)	13h.–18h. 13th (38)	13h. 13th to 1h. 14th (39)	1h.–7h. 14th (40)
1	London (Kew)...	bmwbz₀	bz₀bf	bfw	bfecm₀
	Croydon ...	bz₀	bcz₀m₀w	bm₀w	bcbm₀w
	S. Farnborough	bxbm₀b	bbmb	bm₀wc	cbcwc
	Winchester ...	bffz₀	bz₀bcbm₀	bm₀bc	bc
	Boscombe Down	bm₀	b	bbc	bcw
	Calshot, S'thmtn	bF	b	bcfb	bbc
	Dungeness ...	bc	bc	*	bc
	Lympne ...	bcc	bz₀m₀	bbcm₀	bcom₀x
2	Shoeburyness	bfm	bm	bmx	bw
	Felixstowe ...	bc	bm₀	bff	bwbc
	Gorleston ...	cbcm₀	bm₀m₀	bm₀ffec	ffoc
	Crauwell ...	bcbz₀	bz₀m₀	bm₀	bofc
3	Birmingham ...	bcb	b	bbc	bcc
	Upper Heyford	bcbbc	bc	bcbcx	bxbcc
	Leafield ...	bcb	bcbw	bxbc	bcw
4	Ross-on-Wye ...	bgfbbc	bcbb	bbcc	c
5	Portland Bill...	bcbc	bc-bc	cbc	bc
	Plymouth ...	cm₀b	b-cb	bbc	bcc
	Falmouth ...	bc	bccq	cq	om₀ry
	Scilly (St. Mary's)	bc	bcc	crr	cir
	Guernsey ...	bcc	bcc	bcbw	bccw
6	Pembroke ...	bc	bcpr	ow	cRr
7	Holyhead ...	bc	c	bccq	rbcq
	Chester (Sealand)	z₀bc	bcy	b	bc
8	L'pool (Bidston)	bbvbc	bbcb	bbc	bcbcc
9	Harrogate ...	b	b	b	bbcm
10	Spurn Head ...	cmbcz	bcmz	bc	bccw
	Catterick ...	bbc	bcc	cb	bfc
	Tynemouth ...	bc	bcm₀	bcb	bbc
11	Inchkeith ...	bc	bcc	bc	bcrr
	Leuchars ...	cbwcm₀	bm₀bcw	bccw	cwcr₀r₀
12	Renfrew ...	bbccm	c	cbcc	crr
	Eskdalemuir ...	cbfc	cbcb	bbcc	crr
13A	Tiree ...	bcc	cbc	oRR	r₀bc
13B	Stornoway ...	c	c	crr	orrbc
15	Dalwhinnie ...	bc	bc		rr
	Aberdeen ...	bcz₀c	bcz₀b	c	c
	Wick ...	bcc	c	bcc	cr₀rc
16	Lerwick ...	bccpr	cbc	cbc	bccm₀
17	Blacksod Point	cq	rr	rr	o
18	Malin Head ...	bcc	c	cr₀r₀	cir₀c
	Aldergrove ...	bcc	c	orr	rro
	Donaghadee ...	bbc	cpr₀c	crrq	c(q)r
19	Birr Castle ...	bcc	cr₀	orr	orro
20	Valentia Obsy.	cpr₀c	crr	rro	cbc
	Roches Point...	c	ccir	orr	orrc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220-1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s₀, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s₀/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
R, heavy rain. 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.
"1r" 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.

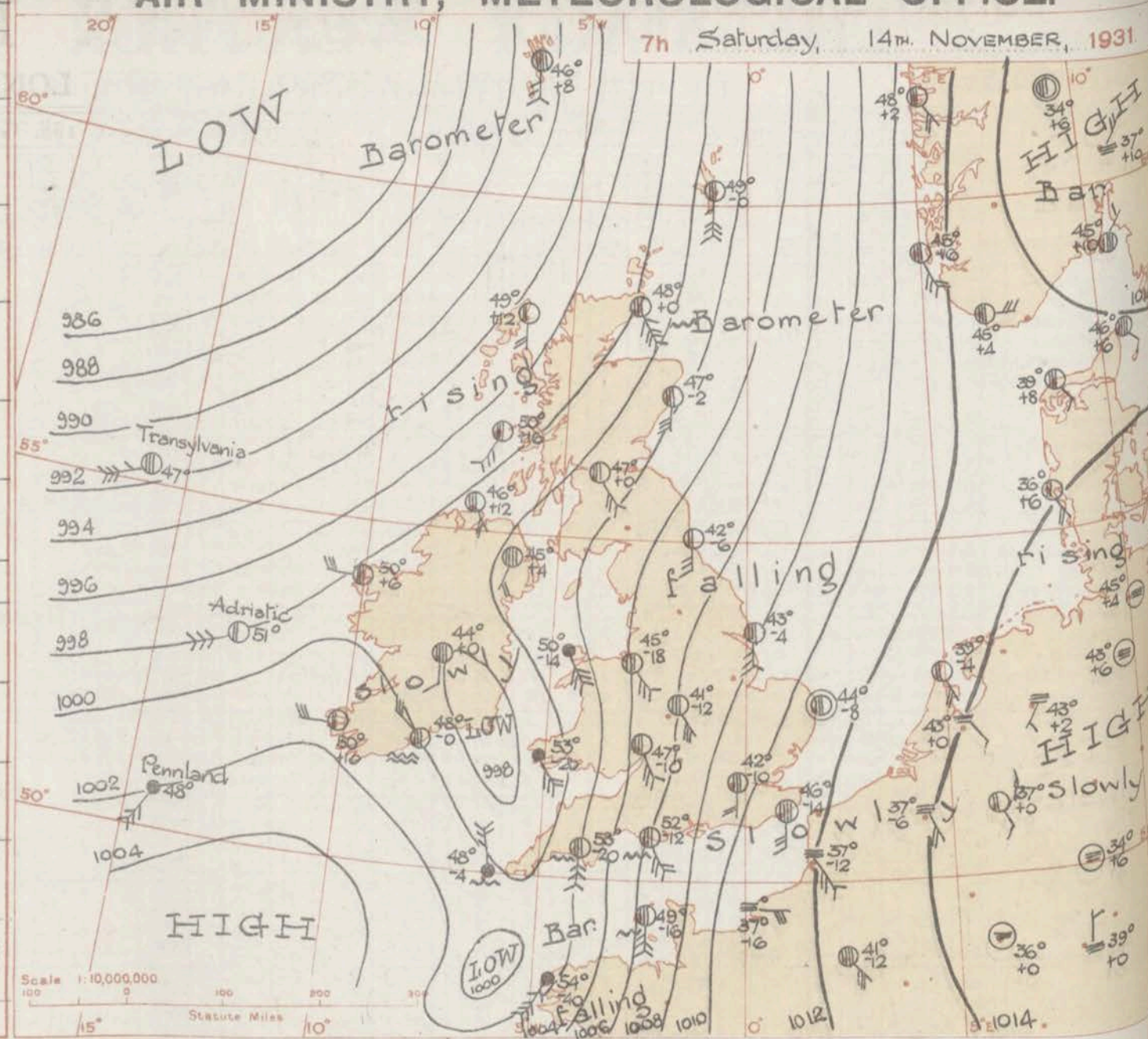
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 13th NOVEMBER 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 Sunset. 13th
1	Tunbridge W.	b	b	34	54	–	–	6.2
	Bournemouth	b	b	35	55	–	–	7.5
	Ventnor ...	b	b	45	58	0.3	–	8.1
	Southsea ...	b	b	41	55	–	–	7.0
	Bognor Regis	bcb	b	41	56	–	–	6.6
	Littlehampton	bc	bc	37	56	–	–	6.7
	Worthing ...	cb	b	39	55	trace	–	6.2
	Brighton ...	cb	bbc	42	54	–	–	7.0
	Eastbourne†	b	b	43	56	–	–	8.0
	Hastings† ...	cmb	bm	43	57	0.1	–	6.0
	Folkestone ...	wb	b	41	57	–	–	5.6
	Dover... ...	mbccb	bm	45	56	–	–	5.4
	Deal	cbcb	b	44	53	–	–	4.3
	Ramsgate ...	cbcb	bm	43	54	–	–	4.6
	Margate ...	cbc	bc	44	54	–	–	4.3
2	Southend ...	bmb	mf	42	57	trace	–	5.7
	Maldon ...	bbcc	cbcb	41	56	–	–	4.0
	Clacton-on-Sea	bcc	cbc	43	53	–	–	3.9
	Dovercourt ...	bcc	bcwm	44	53	–	–	2.5
	Lowestoft ...	ocbc	bcbm	45	53	–	–	3.1
	Skegness ...	cbm	bcc	44	55	–	–	4.9
	Mablethorpe	cbcb	bccm	44	56	–	–	4.3
	Cleethorpes ...	c	c	41	54	trace	–	4.5
3	Leamington S.	b	bc	40	55	–	–	5.6
4	Cheltenham†	bm b	bcbm	41	53	–	–	6.1
5	Bath	b	b	36	53	–	–	7.8
	Weymouth ...	b	bbcb	40	58	–	–	7.2
	Jersey ...	bbcf	bc	40	57	trace	–	8.3
	Torquay ...	bcwm	bmbz	36	54	–	–	5.6
	Penzance ...	b	bc	41	55	0.3	–	5.5
	St. Ives ...	b	b	44	54	0.3	–	4.9
	Bude	wb	b	37	54	–	–	6.7
	Ilfracombe ...	b	b	42	54	–	–	7.2
6	Aberystwyth	cbcb	bbcc	40	53	–	–	6.8
7	Llandudno ...	b	bbc	40	54	–	–	6.9
	Colwyn Bay...	b	bbc	40	53	0.5	–	6.9
	Rhyl	b	b	39	53	6	–	7.0
8	Wallasey ...	b	b	43	54	–	–	6.6
	Southport‖ ...	bcb	bbcb	47	53	–	–	6.2
	Blackpool ...	bc	bcc	45	52	–	–	6.1
	Morecambe ...	rcbbc	bbc	46	53	2	–	5.7
9	Ilkley... ...	b	b	43	51	trace	–	3.8
10	Berwick-on-T.	bbc	bcb	40	50	–	–	4.5
11	Dunbar ...	bcw	bc	44	51	–	–	5.5
12	Douglas ...	xbccb	arcbcb	40	53	–	0.3	4.2

† 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. Nov. 1931.

Districts.	Forecasts
1. S.E. England 2. E. England...	Wind southeast or south, fresh, strong or gale locally on coast today, veering; cloudy; rain later today; showers, bright intervals; rather mild today, cooler tomorrow.
3. E. Midlands 4. W. Midlands	Wind southeast or south, moderate or fresh, veering later; cloud increasing, probably rain later today; showers and bright intervals tomorrow; rather mild today, cooler tomorrow.
5. S.W. England 6. South Wales 7. North Wales	Wind southerly, veering northwest then backing, strong or gale on coast at first, moderating; rain at first, then showers and bright intervals; somewhat cooler.
8. N.W. England 9. N. Midlands 10. N.E. England	Wind southerly, moderate or fresh, becoming southwest; cloudy; some rain today, showery tomorrow; rather mild, cooler tomorrow.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Wind southwest, moderate or fresh; cloudy and bright intervals; occasional rain or showers; moderate temperature.
13. A. W. Scotld. B. N.W. Scotland.	Wind southwesterly, fresh, strong locally; cloudy and bright intervals; occasional rain or showers; moderate temperature.
14. Mid-Scotland	As 11 - 12.
15. N.E. Scotland 16. Orkneys and Shetlands.	Wind south or southwest, strong locally at first; cloudy; some rain at first, then fairer; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind southwest or west, moderate or fresh, strong locally; variable sky; occasional rain or showers; moderate temperature.

GENERAL INFERENCE.

A secondary trough to a deep depression centred north of Iceland will move eastward across Great Britain and is likely to be followed by other secondary disturbances. A belt of rain will move eastwards across England, and showers or occasional rain, with some bright intervals, will occur in Scotland and Ireland.

FURTHER OUTLOOK.

Rather unsettled, with showers or occasional rain; moderate temperature.

Times of issue of Gale Warnings.

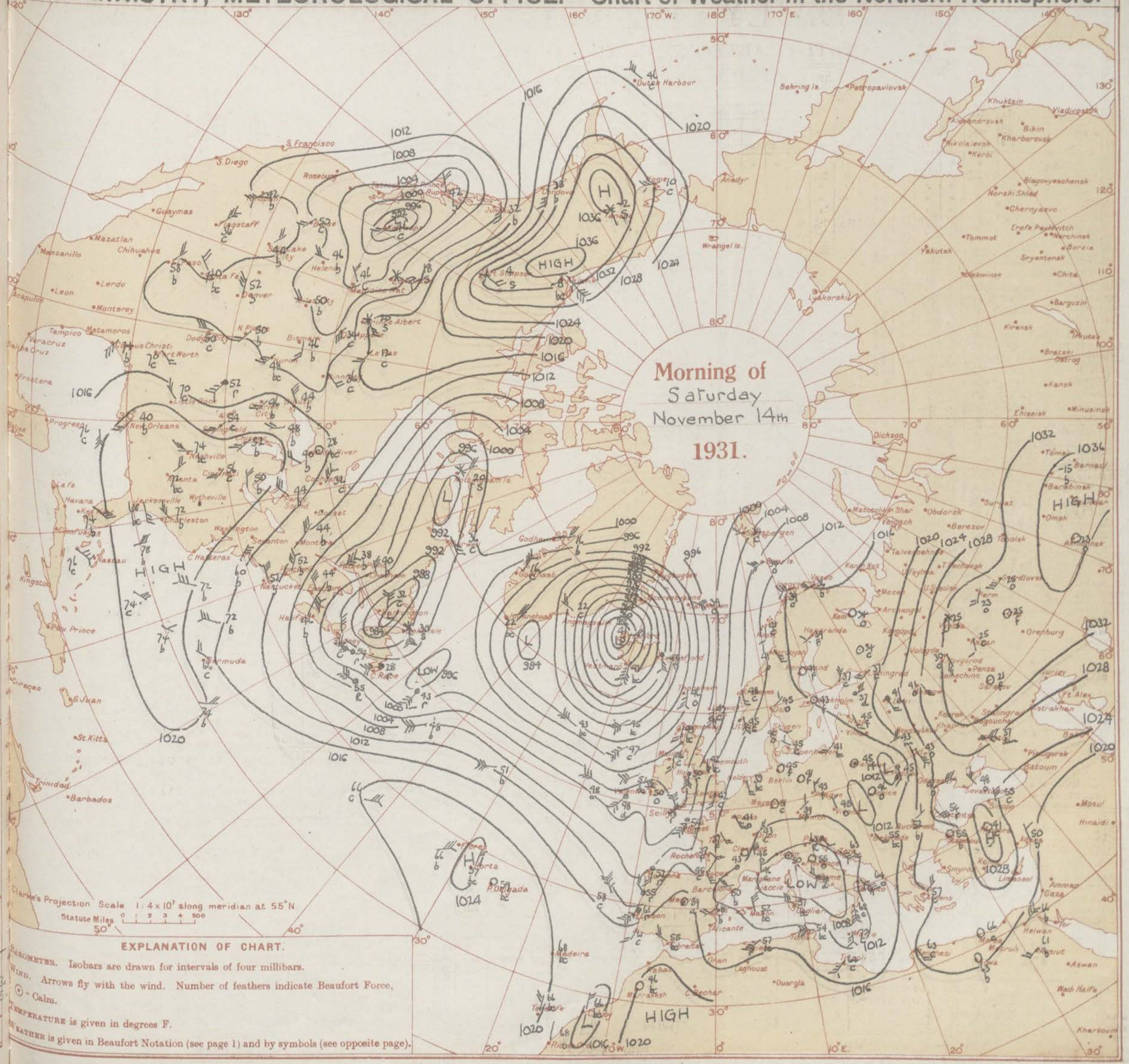
South Cone at 0835 on 13th in districts 5, 6, 7, 8 & 9
South Cone at 1910 on 13th in districts 15 and 16
South Cone at 0810 on 14th. in district 1.

Forecasts issued at 1010 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

Saturday 14th November 1931.

No. 25,559

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

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	1012.3	-2	S'E	3	b	41	95	6	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1012.6	-8	SSE	3	b	50	75	8	5	-	-	1	1	4000
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1012.6	-4	SSW	2	bc	45	95	5	5	-	-	4.6	4.6	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1012.1	-4	W'S	2	f	43	95	2	-	-	-	10	10	450
	Cranwell ...	240	1010.7	-8	S'E	3	b	35	95	5	-	3	-	0	Tr.	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	1009.9	-10	S	4	bc	52	65	8	-	4	-	0	2.3	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1006.0	-10	S'W	7	q	53	85	7	5	2	-	4.6	10	4000
	Scilly (St.Mary's)	163	1003.3	-20	S	6	r°r°	53	95	6	6	-	-	10	10	2500
	Guernsey ...	175	1011.5	-16	S'W	3	bc	49	75	9	8	-	-	4.6	4.6	2500
6	Pembroke ...	142	1003.9	-10	S	5	u	53	95	7	3	-	-	10	10	800
7	Holyhead ...	26	1004.1	-20	S'E	6	ir°	51	85	7	5	-	-	10	10	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1010.0	-2	SW'S	4	bc	43	95	6	-	1	-	0	2.3	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1006.9	-10	S	3	b	41	95	7	-	-	-	0	0	-
11	Inchkeith ...	190	1004.4	-10	SE	3	bc	46	85	8	5	-	-	2.3	2.3	4000
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	992.8	-6	S	8	rr	50	95	6	6	2	-	9	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	998.3	-22	S	8	c	47	85	8	8	7	8	4.6	9	2500
16	Lerwick ...	54	1002.1	-6	S	7	bc	49	85	7	5	-	-	4.6	4.6	1500
17	Blacksod Point	18	995.8	+16	W	3	c	50	75	7	-	2	-	0	10	-
18	Malin Head ...	52	995.8	+12	SSW	2	c/r	48	95	7	6	2	-	7.8	10	1500
	Aldergrove ...	288	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	999.3	+6	WSW	5	u	52	95	7	8	-	-	10	10	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 14th November — 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 13th Hrs. (36)
London (Kew)...	1009.0	-18	SE	3	c	44	95	6	5	-	6	1	7.8	2500	1	*	52	37	27	-	-	6.5
Croydon	1009.8	-10	S	2	c	42	95	6	5	3	4	2.3	7.8	2500	1	*	56	40	36	-	Tr	7.0
S. Farnborough	1008.6	-18	SE	2	c	41	95	6	5	-	6	1	7.8	2500	1	*	56	40	31	-	0.1	7.7
Winchester	1007.9	-14	S'E	3	c	44	85	8	5	-	-	7.8	7.8	4000	1	*	54	37	29	0.1	-	5.8
Boscombe Down	1007.7	-10	SSE	3	c	40	85	7	5	-	9	2.3	7.8	4000	1	*	54	38	34	-	-	*
Calshot, (S'thmtn)	1009.5	-16	SSE	3	bc	50	65	8	5	7	-	2.3	4.6	4000	0	1	[58]	47	43	-	Tr	7.5
Dungeness	*	*	S	3	c	*	*	6	8	7	*	7.8	7.8	1500	*	1	56	38	*	-	Tr	*
Lympne	1010.2	-14	S	3	o	46	95	6	5	-	-	10	10	800	1	*	54	43	31	-	Tr	5.5
Shoeburyness	1010.5	-14	SE'S	2	bc	45	95	7	-	-	4	0	2.3	-	0	*	55	41	25	-	Tr	5.6
Felixstowe	1011.1	-10	SSW	3	bc	47	95	7	5	-	1	4.6	4.6	800	1	1	53	34	33	-	Tr	3.0
Gorleston	1010.9	-8	-	0	c	44	95	6	8	-	-	9	9	2500	0	1	54	41	39	-	-	3.0
Cranwell	1008.7	-10	SE	2	F	38	95	1	5	-	-	10	10	<150	1	*	54	34	30 (31)	-	0.1	6.3
Birmingham	1007.0	-12	SSE	3	c	41	95	8	5	-	6	4.6	9	2500	1	*	51	38	32	-	-	7.6
Upper Heyford	1008.2	-10	SSE	2	c	43	85	7	4	7	8	1	9	2500	0	*	54	38	26	-	0.1	*
Leafield	1006.9	-16	SE'S	4	c	40	95	9	5	8	6	2.3	7.8	4000	1	*	[53]	36	26	Tr.	Tr	6.6
Ross-on-Wye	1005.4	-10	S'E	4	c	47	75	8	5	1	-	9	9+	4000	1	*	53	41	31	-	-	7.7
Portland Bill	1005.8	-12	S'E	5	c	52	65	8	4	7	-	4.6	10	2500	0	4	56	51	*	-	-	*
Plymouth	1003.0	-20	S	6	c	53	85	7	5	7	-	7.8	10	1500	1	4	54	51	47	Tr	-	5.3
Falmouth	1000.4	-24	S'E	8	rr	52	95	6	6	-	-	10	10	2500	1	5	54	51	*	-	2	7.5
Scilly (St.Mary's)	1000.2	-4	NNW	5	rr	48	95	6	6	-	-	10	10	2500	1	4	54	47	*	-	17	5.4
Guernsey	1007.3	-16	S	5	c	49	85	8	8	-	-	7.8	7.8	2500	0	4	57	45	39	-	-	5.6
Pembroke	998.5	-20	SSE	5	rr	53	95	6	3	6	-	7.8	9+	1500	1	3	54	51	*	Tr	8	5.3
Holyhead	1001.0	-14	SSE	6	r°r°	50	95	6	6	2	-	7.8	10	800	1	3	53	49	45	-	6	3.6
Chester (Sealand)	1004.1	-18	SE	4	c	45	85	7	5	-	-	7.8	7.8	4000	1	*	54	39	34	-	-	6.7
L'pool (Bidston)	1003.3	-12	ESE	4	c	44	85	8	5	1	-	4.6	7.8	2500	0	*	50	40	37	-	-	6.9
Harrogate	1006.7	-6	S	1	c	38	95	4	5	-	7	2.3	9	<150	1	*	51	36	32	-	-	5.5
Spurn Head	1008.1	-4	S	4	c	43	95	6	5	1	-	4.6	9+	2500	1	2	52	42	*	-	Tr	3.8
Catterick	1006.0	-6	S	4	f	36	(95)	2	5	-	-	10	10	<150	1	*	54	36	28	-	-	*
Tynemouth	1005.0	-6	S	3	bc	42	85	6	9	-	-	4.6	4.6	1500	0	2	54	39	33	-	-	*
Inchkeith	1001.9	-4	SE	3	o	46	85	7	6	-	-	10	10	2500	1	2	51	43	38	-	2	5.5
Leuchars	1002.2	-2	NE	1	r°r°	45	85	7	6	2	-	7.8	10	800	1	*	50	42	37	-	0.2	5.5
Renfrew	1000.2	0	SSE	4	c/r	47	95	7	5	2	-	7.8	10	1500	1	*	50	44	41	-	4	3.6
Eskdalemuir	1002.7	-6	S	3	rr	41	95	6	6	2	-	7.8	10	1500	1	*	47	38	35	-	7	1.6
Tiree	997.2	+16	SW	4	c	50	75	6	2	1	7	2.3	10	2500	0	4	50	48	43	-	8	1.4
Stornoway	995.3	+12	S	2	bc	49	85	7	9	7	1	2.3	4.6	2500	1	3	52	49	*	-	3	1.0
Dalwhinnie	999.9	-4	SE	6	rr	43	95	5	9	2	-	7.8	10	800	1	*	45	41	40	Tr	6	0.2
Aberdeen	1002.2	-2	S	3	c	47	85	6	6	7	-	7.8	9+	1500	1	1	51	46	44	-	-	2.3
Wick	997.7	0	SSE	8	c/r	48	75	8	9	2	-	7.8	10	1500	1	4	48	47	*	-	0.6	*
Lerwick	1000.9	0	S	7	c	49	85	5	5	-	-	9+	9+	800	0	*	50	47	*	0.4	-	1.6
Blacksod Point	998.4	+6	W	3	c	50	65	7	-	2	-	0	10	-	0	3	54	49	*	8	~~4~~ 5	*
Malin Head	998.2	+12	SSE	2	c	46	95	7	5	2	-	1	9+	1500	1	2	50	46	*	-	4	1.1
Aldergrove	1000.3	+4	SSW	2	o	45	95	6	5	-	-	10	10	800	1	*	50	44	41	-	8	3.8
Donaghadee	999.4	+6	S	1	c	46	95	7	5	-	-	9	9	1500	1	1	52	45	*	Tr	7	*
Birr Castle	998.0	+4	S	1	o	44	95	7	6	-	-	10	10	1500	1	*	52	43	37	Tr	8	1.2
Valentia Obsy.†	1000.9	+10	W	3	bc	50	65	8	8	7	-	4.6	4.6	2500	1	*	54	47	~~43~~ 38	11	8	0.1
Roches Point	1000.0	0	NW	3	c	48	95	8	5	-	-	9	9	1500	1	6	54	47	*	1	15	*

LONDON OBSERVATIONS.

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

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h. (To-day)
Kew	18	bmwbz°	bz°bf	bfecm°	52	37	27	-	-	6.5	*	*	5
Croydon	217	bz°	bcz° m°w	bmbcbzm	56	40	36	-	Tr	7.0	*	*	6
Greenwich (Royal Observatory)	149	cbzf	bf	bfbxc	54	37	26	-	Tr	3.4	74	98	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	1.1	*	*	*
Westminster (St. James' Park)	27	*	*	*						5.0			*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	2.9	*	*	*
Camden Square	110	b	b	*	53	39	34	-	-	*	*	94	*
Kensington	80	bzbcz	bz	*	54	40	29	-	0.1	4.9	At 18h. 86	92	*
Hampstead Observatory	150	bcm	bc	*	53	40	33	-	Tr	5.2	*	94	*

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

South Kensington Max.	Time.	Min.	Time.
2.3	19h 13th	<0.3	3 5h 14th

Kew Observatory Max.	Time.	Min.	Time.
1.3	22hr 13th	0.1	14hr 13th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 13th November Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 14th November 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	1014.5	E	2	f	41	1012.7	ESE	3	o/d	41	54	41	-	0.2
Brussels	1013.3	SW	1	bc	48	1013.6	SE	2	f	37	52	36	-	-
Berlin	1014.0	-	0	fg	45	1004.8	-	0	f	41	54	32	-	-
Zürich														
Rome														

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

Sunday, 15th November 1931.

No. 25.560

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

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)	1007.4	-8	S'W	4	c	50	66	7	8	-	6	7.8	9+	2500
	Croydon	1008.0	-6	S'W	4	c	50	66	7	9	-	6	7.8	9+	1500
	S. Farnborough	1006.8	-6	S	4	c	49	65	8	5	1	-	7.8	9+	4000
	Winchester	1005.9	-6	S	5	c	49	75	8	7	2	-	4.6	9+	4000
	Boscombe Down	1005.2	-14	SSE	6	c	49	75	8	4	-	2	2.3	9	2500
	Calshot, S'thmtn	1007.4	-6	S'E	5	c	50	75	8	5	1	4	2.3	9	4000
	Dungeness	*	*	S	3	c	*	*	6	8	-	*	9+	10	1500
	Lympne	1009.1	-8	S'E	3	o	43	95	5	5	-	-	10	10	220
2	Shoeburyness	1008.8	-10	SSE	3	bc	48	85	7	-	3	2	0	4.6	-
	Felixstowe	1009.8	-4	S	4	c	47	85	7	5	2	-	9	10	800
	Gorleston	1009.3	-6	S	5	c	49	85	6	8	-	-	7.8	7.8	2500
	Cranwell	1006.9	-8	SE'S	3	c	46	95	6	5	-	-	10	10	800
3	Birmingham	1005.2	-8	SSW	4	c	47	75	8	4	-	-	7.8	7.8	2500
	Upper Heyford	1006.3	-10	SSE	3	c	48	75	8	5	2	-	7.8	9+	2500
	Leafield	1004.8	-10	S'E	5	c	47	75	8	5	7	-	2.3	9+	4000
4	Ross-on-Wye	1003.7	-14	SE	4	c	48	65	8	6	2	-	Tr.	9+	2500
5	Portland Bill	1002.8	-22	S'E	6	ir	52	85	8	6	2	-	7.8	10	1500
	Plymouth	999.4	-28	SW'W	4	ir.	52	95	7	6	2	-	4.6	9+	800
	Falmouth	1001.9	+6	NW'N	6	q	47	85	8	8	1	-	4.6	9	4000
	Scilly (St. Mary's)	1004.5	+28	W'N	4	c/r	48	95	7	2	6	-	4.6	7.8	4000
	Guernsey	1004.7	-12	SSW	7	rr	49	95	7	6	-	-	10	10	1500
6	Pembroke	1000.5	+6	W	3	rr	46	95	6	3	-	-	10	10	1500
7	Holyhead	1001.8	+8	N'E	6	r.r.	47	95	6	6	2	-	9+	10	1500
	Chester (Sealand)	1002.9	-10	SE	4	u	48	75	7	5	7	-	7.8	9+	4000
8	L'pool (Bidston)	1002.1	-4	SE'E	4	pr.	47	75	6	5	-	-	10	10	1500
9	Harrogate	1005.2	-6	SSE	3	c	46	85	5	-	9	-	0	9+	-
10	Spurn Head	1007.1	0	S'E	4	c	48	95	7	5	3	1	7.8	9	5700
	Catterick	1005.1	-6	S	4	c	45	85	4	-	7	-	0	9+	-
	Tynemouth	1004.9	0	S	3	bc	47	75	6	2	-	-	4.6	4.6	2500
11	Inchkeith	1003.5	+4	S	1	rr	47	86	7	6	-	-	10	10	1500
	Leuchars	1003.7	+6	-	0	rr	46	95	7	6	2	-	7.8	10	800
12	Renfrew	1003.4	+14	SSE	2	r.r.	47	95	6	5	-	-	10	10	1500
	Eskdalemuir	1003.1	0	S'E	3	rr	43	95	6	6	2	-	7.8	10	1500
13A	Tiree	1001.0	+14	SSW	1	c	49	85	6	5	2	-	7.8	10	2500
13B	Stornoway	1000.2	+16	SSW	2	c	50	85	8	8	7	-	2.3	7.8	2500
15	Dalwhinnie	1001.9	+8	SW	2	r	46	85	8	5	2	-	1	10	800
	Aberdeen	1003.8	+12	S	3	c	47	95	5	6	2	-	7.8	10	1500
	Wick	1001.3	+18	S	4	r.r.	48	95	8	6	2	-	4.6	10	1500
16	Lerwick	1003.3	+10	S	7	c	49	95	6	6	2	-	7.8	10	1500
17	Blacksod Point	1000.3	+18	W	3	bc	52	65	8	5	-	-	4.6	4.6	800
18	Malin Head	1001.3	+12	S'W	2	c	48	95	7	5	2	-	9	10	1500
	Aldergrove	1002.2	+8	-	0	ir.	46	95	6	5	-	-	10	10	450
	Donaghadee	1002.0	+10	NNE	2	c	48	75	7	6	-	-	9	9	800
19	Birr Castle	1002.8	+10	WSW	1	c	46	95	7	-	7	-	0	9	-
20	Valentia Obsy.	1004.0	+14	W'S	3	c	49	75	8	5	2	-	7.8	9+	1500
	Roches Point	1003.5	+10	NW	3	bc	52	85	8	3	-	9	1	4.6	1500

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

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)	1006.2	-2	SE'S	4	c	47	75	6	5	-	6	4.6	10	2500	1	*
	Croydon	1007.0	+2	SSE	4	c	46	85	6	5	2	-	4.6	10	1500	0	*
	S. Farnborough	1005.1	-6	SSE	4	r.r.	47	95	6	5	-	-	10	10	1500	1	*
	Winchester	1003.8	-4	SE'S	5	dr.	48	95	7	6	-	-	10	10	1500	1	*
	Boscombe Down	1002.9	-6	SSE	5	r.r.	49	95	6	5	-	-	10	10	800	1	*
	Calshot, S'thmtn	1004.7	-6	SSE	5	r.r.	51	95	6	6	2	-	7.8	10	2500	1	4
	Dungeness	*	*	S	4	c	*	*	6	5	-	*	7.8	7.8	1500	*	3
	Lympne	1007.9	-2	SSE	4	o	44	95	6	5	-	-	10	10	800	1	*
2	Shoeburyness	1008.6	-2	SE'S	3	c	45	85	7	4	-	-	9+	9+	4000	0	*
	Felixstowe	1009.1	-2	S'E	4	c	46	85	8	-	-	1	0	9	-	0	3
	Gorleston	1008.8	0	S	5	o	47	85	6	6	-	-	10	10	1500	0	4
	Cranwell	1006.3	+6	SE	4	c	43	95	5	5	-	-	10	10	800	1	*
3	Birmingham	1004.2	-2	SSE	3	rr	45	85	5	6	-	-	10	10	1500	1	*
	Upper Heyford	1004.4	-6	SSE	3	id.	46	85	7	5	-	-	10	10	1500	0	*
	Leafield	1002.9	-10	SE	5	ir.	45	85	8	-	2	-	0	10	-	1	*
4	Ross-on-Wye	1002.0	-8	ENE	3	rr	45	95	4	6	-	-	10	10	1500	1	*
5	Portland Bill	1003.8	+28	W'N	7	c	50	75	8	4	8	-	4.6	7.8	2500	1	5
	Plymouth	1006.8	+26	WNW	2	rr	48	85	6	6	-	9	9	9+	450	1	2
	Falmouth	1007.0	+16	W	3	bc	47	85	8	3	-	-	2.3	2.3	4000	1	2
	Scilly (St. Mary's)	1007.7	+22	W'N	4	bc/pr	49	75	7	2	4	3	4.6	4.6	4000	1	3
	Guernsey	1007.4	+26	NNW	3	c/pr	51	85	8	8	-	-	7.8	7.8	1500	1	4
6	Pembroke	1005.2	+20	NNW	2	bc	46	85	8	3	7	-	2-3	4.6	1500	1	1
7	Holyhead	1004.9	+20	N'E	6	r.r.	46	85	6	6	2	-	7.8	10	1500	1	3
	Chester (Sealand)	1004.2	+14	SE'E	1	rr	44	95	6	6	-	-	10	10	1500	1	*
8	L'pool (Bidston)	1003.7	+4	ESE	3	rr	44	95	4	6	-	-	10	10	1500	2	*
9	Harrogate	1005.8	0	SE	3	c	44	95	5	5	-	-	9	9	2500	1	*
10	Spurn Head	1006.2	-4	S'E	6	c	48	85	7	5	2	-	7.8	9+	4000	0	4
	Catterick	1005.2	+6	S	3	o	44	95	4	5	-	-	10	10	800	1	*
	Tynemouth	1004.9	+6	S	3	c	48	85	7	6	-	-	7.8	7.8	1500	0	2
11	Inchkeith	1005.2	+10	ESE	2	rr	45	95	6	6	-	-	10	10	1500	1	1
	Leuchars	1005.3	+14	-	0	r.r.	45	95	6	6	2	-	7.8	10	450	1	*
12	Renfrew	1006.0	+7	NW	2	rr	43	95	6	6	-	-	10	10	1500	1	*
	Eskdalemuir	1005.2	+18	S	2	rr	41	95	6	6	2	-	7.8	10	1500	1	*
13A	Tiree	1004.3	+24	WSW	2	c	47	75	8	8	7	-	1	9+	2600	0	3
13B	Stornoway	1003.8	+20	-	0	c	45	95	8	5	-	-	9+	9+	4000	1	1
15	Dalwhinnie	1007.6	+22	-	0	r	40	85	5	-	6	-	0	10	-	1	*
	Aberdeen	1005.6	+10	SSE	3	c	48	85	7	6	-	8	4.6	7.8	2500	1	1
	Wick	1003.9	+2	S	2	r.r.	48	95	8	6	2	-	7.8	10	1500	1	3
16	Lerwick	1006.0	+6	S	5	o/r	49	95	6	6	-	-	10	10	1500	1	*
17	Blacksod Point	1005.1	+16	W	2	PR	46	95	7	8	-	-	7.8	7.8	450	1	3
18	Malin Head	1004.9	+28	WSW	1	bc	47	95	7	2	-	9	1	2.3	1500	0	2
	Aldergrove	1005.2	+16	E'N	1	F	43	95	1	5	-	-	10	10	<150	1	*
	Donaghadee	1004.4	+24	NNE	3	c	48	75	7	6	-	-	9	9	800	1	2
19	Birr Castle	1006.3	+22	NW	1	bc	40	95	8	8	4	-	1	2.3	2500	1	*
20	Valentia Obsy.	1007.7	+22	E'N	2	c	44	95	8	5	-	-	7.8	7.8	2500	1	4
	Roches Point	1006.6	+16	NW	4	bc	48	85	8	5	-	-	Tc 4-6	4.6	2500	0	4

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. 14th (37)	Weather. 13h.–18h. 14th (38)	Weather. 18h.–1h. 14th–15th (39)	Weather. 1h.–7h. 15th (40)
1	London (Kew)	cm.c	c3.	cd.	o
	Croydon	cm.	c	cid.	cid.
	S. Farnborough	c	c cr.	d.m.c	c
	Winchester	c	cdr.	o.c	o
	Boscombe Down	c	cor.r.	or.m.	c
	Calshot, S'thmtn	bc	cir.	ir.cbw	bw,c
	Dungeness	o	bc	*	c
	Lympne	ofom.	ocom.	od.m.	obc
2	Shoeburyness	cbem.	bcc	cp.	c
	Felixstowe	bcc	cbc	bc	c
	Gorleston	cq	coq	q	q
	Cranwell	Fem.	cm.	cm.d	d.d.f
3	Birmingham	bcc	co	orr	orc
	Upper Heyford	c	cd.	or.orr	om.
	Leafield	c	coir.	ir.o	o
4	Ross-on-Wye	cbcc	p.corr	roc	cbcc
5	Portland Bill	cir	irc	bc	bcw,bc
	Plymouth	corrm.	ir.crr	crrbc	bcbx
	Falmouth	ormq	cq pbc	bc	bcp.
	Scilly (St. Mary's)	r.r.c	cbcp.	cp.	cbc
	Guernsey	corrq	orr pr	cpr bc	bcwc
6	Pembroke	cRr	ir bc	bc	b
7	Holyhead	rrqkq	rr r.q	rrir.c	cbc
	Chester (Sealand)	irc	crr	rrm.	r.r.c
8	L'pool (Bidston)	cir.o	orrm	orrr.	r.ir.
9	Harrogate	c	cbc	corr	oFFOD
10	Spurn Head	bc	bc	cbcc	cor
	Catterick	comm	com	omr.r.	or.r.m
	Tynemouth	bc	bcc	Co	oir.
11	Inchkeith	crr	crr	orr	cr.r.ir.
	Leuchars	cir.rr	crrm.	crrm.	cir.m.
12	Renfrew	r.r.m.	orrm.	r.r.m.c	cbc
	Eskdalemuir	crr	crr	crr	crrc
13A	Tiree	cm.	cm.c	cbc	bcbw
13B	Stornoway	c	c	bc	bc
15	Dalwhinnie	rc	rr		c
	Aberdeen	cir.	cr.r.	bccr.r	or.r.
	Wick	crr	cr.r	cor.r	or.rdde
16	Lerwick	com.	or.r.m.	cm.	c
17	Blacksod Point	c	pc	prc	bc
18	Malin Head	c	cbcc	bc	bc
	Aldergrove	or.r.	om.FF	oFF	oFbx
	Donaghadee	r.r.c	cir.c	pr.bc	bcb
19	Birr Castle	oc	cbc	bcbx	bx
20	Valentia Obsy.	bccpbcpc	cPc	pr.	bcx
	Roches Point	cbc	bc	bcb	bbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, ,, less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s., slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

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

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.

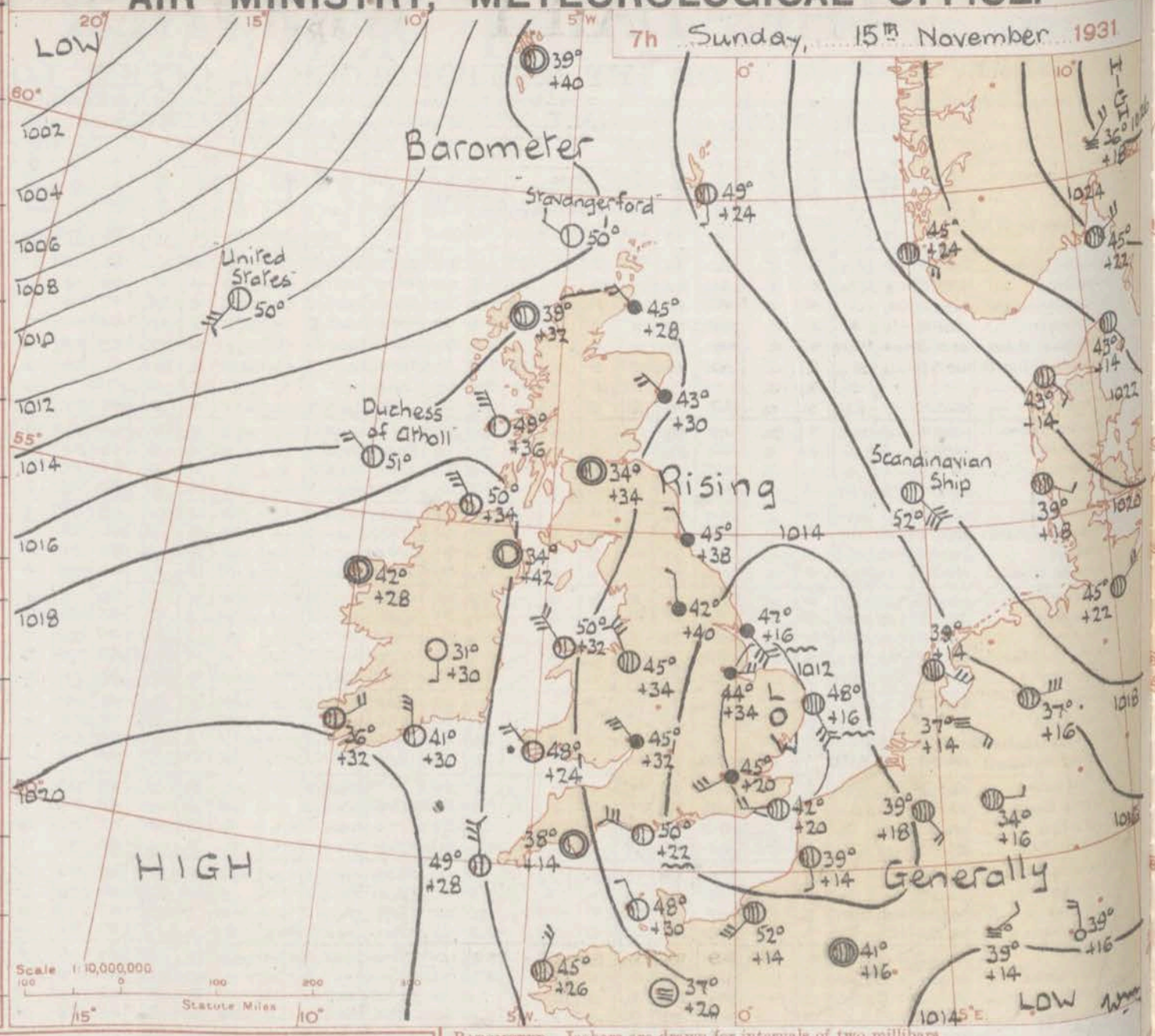
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 14th November 1931.

Districts.	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 Sunset. 13th
1	Tunbridge W.	cbc	co	34	51	-	-	0.9
	Bournemouth	co	odod	40	52	-	Trace	1·1
	Ventnor ...	ocuco	coudo	48	57	-	Trace	0·8
	Southsea ...	o	c	44	52	-	-	0.2
	Bognor Regis	bc	co	44	52	-	-	1·1
	Littlehampton	bcc	c	37	52	-	-	1.7
	Worthing ...	cbc	co	40	52	-	-	1.7
	Brighton ...	pc	bcoc	40	53	-	-	2.4
	Eastbourne†	vbcb	bcco	39	52	-	-	2·1
	Hastings† ...	cbcc	co	40	51	0.2	-	0.0
	Folkestone ...	xbo	o	41	46	-	-	0.0
	Dover... ...	moc	c	39	47	-	-	0.0
	Deal	co	o	39	48	-	-	0.0
	Ramsgate ...	c	c	44	46	-	-	0.1
	Margate ...	c	c	45	50	0.2	-	0.0
2	Southend ...	cm	cbcmc	41	48	0.2	-	1·9
	Maldon ...	bcc	cbcco	30	49	-	-	1·1
	Clacton-on-Sea	bcc	c	38	50	-	-	1·6
	Dovercourt ...	pbc	bcoc	37	50	Trace	-	0.9
	Lowestoft ...	c	c	39	50	-	-	0.8
	Skegness ...	cbc	bcco	43	50	-	-	2·2
	Mablethorpe	cw	c	37	50	-	-	1·0
	Cleethorpes ...	cm	cdoc	35	50	Trace	Trace	1·1
3	Leamington S.	cbcc	bcco	38	51	-	-	1·6
4	Cheltenham†	bcc	cor	41	49	-	1	1·3
5	Bath	bcc	rcrr	36	50	-	1	0.3
	Weymouth ...	cpc	pcoc	48	53	-	0.3	0.0
	Jersey ...	cpr	rc	46	51	-	3	0.1
	Torquay ...	orfq	cpbc	41	53	-	9	0.1
	Penzance ...	orc	cirb	47	51	26	2	2·4
	St. Ives ...	r	rocbc	47	50	36	3	1·0
	Bude	r	rrc	42	54	6	13	0.0
	Ilfracombe ...	rr	rr	44	52	1	10	0.0
6	Aberystwyth	cpir	crrqr	44	50	2	6	0.0
7	Llandudno ...	circ	r	45	49	1	6	0.0
	Colwyn Bay...	or rr	o orr	42	48	0.3	8	0.0
	Rhyl	orr	orr	41	49	0.2	9	0.0
8	Wallasey ...	coir	orr	43	47	-	7	0.0
	Southport‖ ...	oro	orr	40	47	-	9	0.0
	Blackpool ...	or	or	41	47	i	7	0.0
	Morecambe ...	dpcdo	rdpor	42	48	0.3	3	0.0
9	Ilkley... ...	c	c	36	48	-	-	0.5
10	Berwick-on-T.	o	o	40	46	-	-	0.0
11	Dunbar ...	or	omf	42	48	1	1	0.0
12	Douglas ...	omom	orr	46	48	27	25	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 6/10 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. 15th Nov. 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Wind north, light; dull, occasional light rain locally at first; improving generally; moderate temperature; perhaps slight ground frost locally tonight; local mist or some fog particularly at night.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Light northerly to variable wind; fair to fine; moderate temperature; ground frost and some fog tonight.
9. N. Midlands 10. N.E. England 11. S.E. Scotland	As 1 - 3.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland.	As 4 - 8.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Wind light variable, becoming southwest and freshening; fair; moderate temperature; ground frost at night.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light variable breeze, freshening from southwest tomorrow; fine, but cloud increasing later; rather low temperature at first; ground frost and some fog tonight.

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

GENERAL INFERENCE.

A ridge of high pressure is moving in over the British Isles in the rear of a shallow depression over East Anglia, and will give rise to an interval of fair weather apart from some light rain or drizzle in eastern districts at first. Vigorous disturbances on the Atlantic may renew unsettled conditions in the west and northwest during tomorrow.

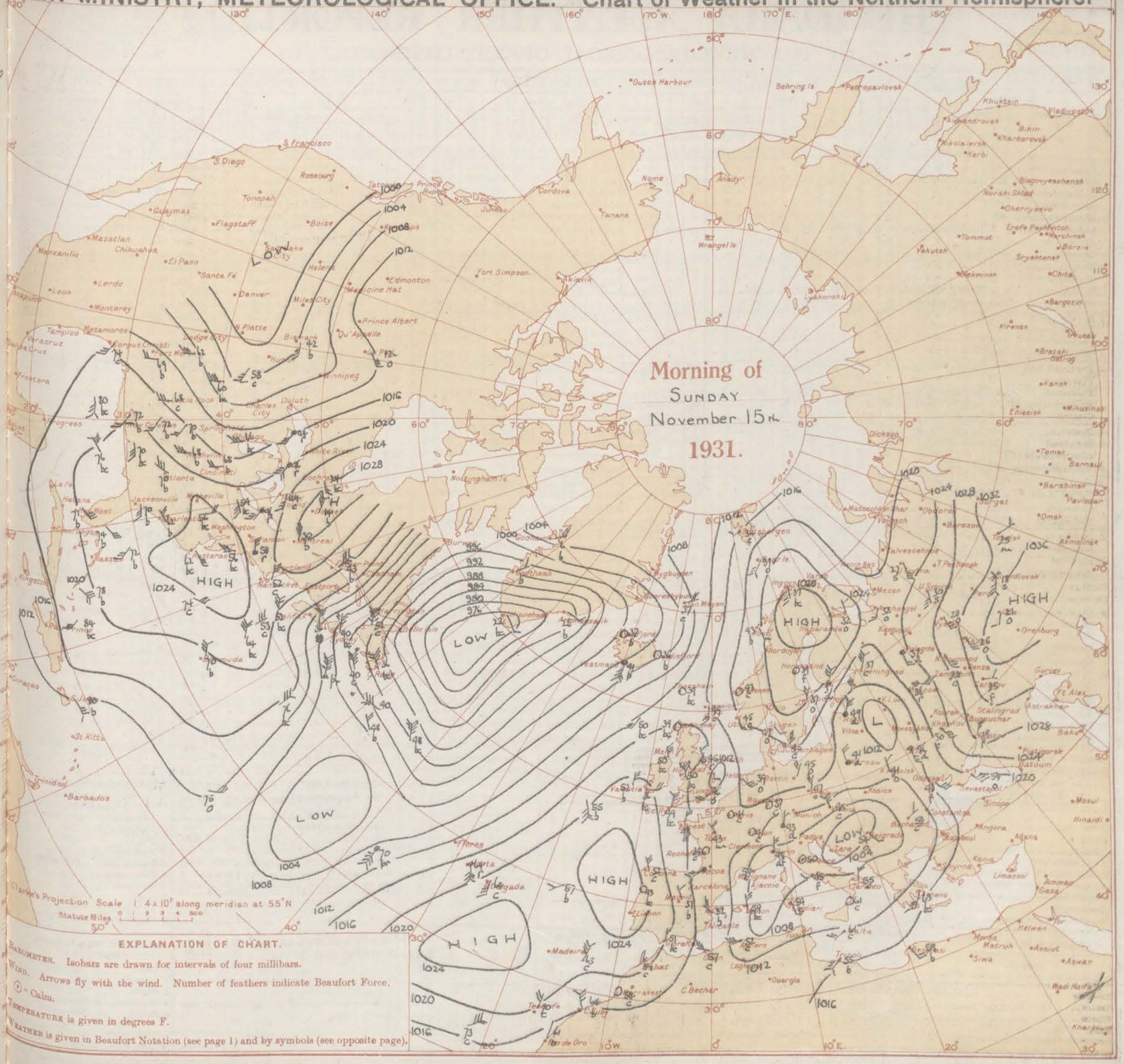
FURTHER OUTLOOK.

Deteriorating conditions in the west and north; uncertain in the southeast.

Forecasts issued at 1245 G.M.T.

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

⊙ = Calm.

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 15th November 1931.

No. 25,560

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

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	1008.1	+10	WSW	3	c	45	85	7	5	2	-	4.6	10	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1009.2	+22	WSW	4	b	44	85	8	-	-	-	0	0	-
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1008.5	-2	S'W	4	o	47	95	6	5	-	-	10	10	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1009.2	+6	S'W	5	o	46	95	6	6	-	-	10	10	1500
	Cranwell	240	1008.3	+4	SE	3	id.	43	95	6	6	2	-	4.6	10	1500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1009.7	+12	W'N	4	bc	50	75	8	4	-	-	2.3	2.3	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1011.5	+14	NNW	2	bc	47	95	8	8	-	-	4.6	4.6	4000
	Scilly (St. Mary's)	163	1012.2	+18	NNW	4	c	47	85	8	4	-	-	7.8	7.8	4000
	Guernsey	175	1011.4	+6	-	0	bc	42	95	9	8	-	-	4.6	4.6	2500
6	Pembroke	142	1010.5	+20	NNW	2	b	49	95	8	1	-	-	1	1	4000
7	Holyhead	26	1010.4	+22	NNE	6	c	49	85	7	5	-	-	9+	9+	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1007.4	0	SE'S	5	c	45	95	7	-	2	-	0	7.8	-
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	67	1009.0	+16	S	2	o	46	95	6	6	-	-	10	10	1500
11	Inchkeith	190	1010.1	+16	WSW	2	rr	42	95	7	6	-	-	10	10	1500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1009.9	+28	-	0	bc	40	95	8	4	-	-	2.3	2.3	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1009.3	+20	NW	1	r.r.	45	95	8	6	-	-	10	10	1500
16	Lerwick	54	1011.2	+18	S	5	c	49	95	7	5	-	-	7.8	7.8	1500
17	Blacksod Point	18	1012.7	+24	W	3	bc	46	85	8	3	-	-	2.3	2.3	1500
18	Malin Head	52	1010.8	+26	NNW	2	bc	47	85	8	2	-	-	2.3	2.3	2500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1014.0	+3.0	W	2	b	44	95	8	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1012.6	+20	W'S	2	o	46	85	8	5	-	-	10	10	2500	1	*
Croydon	1011.9	+20	W'S	3	id.	45	85	7	5	2	-	9	10	1500	1	*
S. Farnborough	1012.8	+20	W	2	id.	44	85	7	5	2	-	4.6	10	2500	1	*
Winchester	1013.9	+20	WNW	4	o	44	95	8	5	-	-	10	10	2500	1	*
Boscombe Down	1014.4	+22	NW'N	4	c	44	85	7	5	-	-	10	10	2500	1	*
Calshot, (S'thmtn)	1013.7	+24	W'S	4	c	45	85	8	5	4	-	9	9+	2500	0	2
Dungeness	*	*	W	2	c	*	*	7	8	-	*	7.8	7.8	1500	*	1
Lympne	1012.0	+20	WNW	2	c	42	85	8	4	6	-	4.6	7.8	2500	1	*
Shoeburyness	1012.4	+24	WSW	1	c	45	95	7	5	-	-	9+	9+	2500	0	*
Felixstowe	1011.3	+20	SW	1	c	46	85	7	5	-	-	10	10	2500	0	1
Gorleston	1012.1	+16	SSE	5	o	48	85	6	5	-	-	10	10	1500	0	4
Cranwell	1012.1	+34	E	2	df	44	95	2	5	-	-	10	10	450	1	*
Birmingham	1014.0	+36	NW	4	c	42	95	8	6	7	-	2.3	10	800	1	*
Upper Heyford	1012.2	+34	NW	4	o	44	95	5	5	-	-	10	10	800	1	*
Leafield	1012.9	+30	NW'N	4	o	43	95	6	6	-	-	10	10	1500	1	*
Ross-on-Wye	1014.4	+32	NW	3	pr	45	78	8	5	-	-	9+	9+	2500	1	*
Portland Bill	1014.4	+22	NW'W	4	bc	50	75	8	4	4	-	2.3	2.3	2500	1	4
Plymouth	1016.6	+14	-	0	b	38	95	8	1	-	-	1	1	4000	1	1
Falmouth	1017.0	+24	NW'N	2	bc	45	95	8	3	3	-	2.3	4.6	4000	1	1
Scilly (St. Mary's)	1017.9	+28	N	4	bc	49	75	8	2	-	-	4.6	4.6	4000	1	3
Guernsey	1016.1	+30	NNW	1	bc	48	75	8	8	4	-	4.6	4.6	2500	1	3
Pembroke	1017.1	+24	NW	2	b	48	95	8	1	-	-	1	1	4000	0	1
Holyhead	1016.0	+32	NNW	5	bc	50	85	8	5	-	9	4.6	4.6	1500	1	2
Chester (Sealand)	1015.0	+34	NNW	4	c	45	85	7	5	-	-	9+	9+	2500	2	*
L'pool (Bidston)	1015.2	+30	NNW	4	ir.	44	85	6	5	-	-	10	10	1500	2	*
Harrogate	1014.2	+40	N	1	[illegible]	42	95	1	.	.	.	10	10	<150	1	*
Spurn Head	1012.1	+16	SE'S	5	r.r.	47	95	7	3	2	-	4.6	9+	1500	1	4
Catterick	1014.9	+32	N	1	id.	43	95	4	5	-	-	10	10	450	1	*
Tynemouth	1014.9	+28	NNW	1	ir.	45	95	6	6	-	-	10	10	1500	1	1
Inchkeith	1016.1	+24	NW	1	c	43	95	8	5	2	-	4.6	9+	2500	1	1
Leuchars	1015.9	+30	-	0	ir.	41	95	6	6	2	-	7.8	10	800	1	*
Renfrew	1017.4	+34	-	0	bc	34	95	8	5	-	-	2.3	2.3	4000	1	*
Eskdalemuir	1016.1	+32	NNE	2	c	40	95	8	5	-	-	10	10	2500	1	*
Tiree	1017.0	+36	N'W	3	b	49	75	9	1	4	-	Tr	1	4000	0	3
Stornoway	1016.1	+32	-	0	bc	39	95	8	7	7	-	2.3	2.3	4000	1	0
Dalwhinnie	1016.9	+32	NE	1	c	36	85	8	4	2	-	4.6	7.8	2500	1	*
Aberdeen	1016.5	+30	NW	2	r.r.	43	95	7	6	-	-	10	10	1500	1	1
Wick	1015.4	+28	NW	2	d.d.	45	95	8	6	2	-	7.8	10	1500	1	2
Lerwick	1016.4	+24	S'E	1	c	49	95	7	5	2	-	4.6	9	1500	0	*
Blacksod Point	1019.1	+28	-	0	bc	42	85	8	2	-	-	2.3	2.3	1500	0	3
Malin Head	1018.5	+34	NNW	3	bc	50	95	8	2	-	-	2.3	2.3	2500	0	2
Aldergrove	1017.6	+24	-	0	b	34	95	6	5	-	-	1	1	1500	1	*
Donaghadee	1016.7	+28	WNW	1	b	42	95	7	5	-	-	Tr	Tr	1500	0	0
Birr Castle	1019.7	+30	S	1	b	31	95	8	-	-	-	0	0	-	1	*
Valentia Obsy.†	1020.9	+32	ENE	2	bc	36	95	8	7	-	-	2.3	2.3	2500	1	-
Roches Point	1019.4	+30	N	3	bc	41	95	8	5	-	-	2.3	2.3	1500	0	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 14th hrs. (36)
London (Kew)	50	46	44	-	Tr	0.1
Croydon	51	45	44	-	0.1	0.4
S. Farnborough	51	43	41	Tr.	Tr	1.7
Winchester	51	40	35	0.2	0.2	0.6
Boscombe Down	50	40	38	1	0.2	*
Calshot, (S'thmtn)	51	43	39	0.1	Tr	0.3
Dungeness	50	42	*	-	Tr	*
Lympne	46	41	37	Tr.	Tr	0.1
Shoeburyness	49	42	41	-	Tr	2.2
Felixstowe	50	44	41	-	-	0.5
Gorleston	50	46	43	-	-	0.6
Cranwell	48	41	39	0.1	1	1.4
Birmingham	48	42	41	1	12	1.6
Upper Heyford	48	43	39	Tr.	0.6	*
Leafield	48	41	39	0.1	0.4	1.6
Ross-on-Wye	49	43	38	5	2	0.5
Portland Bill	54	49	*	0.1	-	*
Plymouth	53	36	30	9	1	0.7
Falmouth	52	45	*	13	2	1.4
Scilly (St. Mary's)	52	46	*	6	0.2	2.7
Guernsey	51	42	33	3	1	0.1
Pembroke	53	31	48	20	-	0.0
Holyhead	50	45	44	16	0.1	0.0
Chester (Sealand)	48	43	41	8	8	0.0
L'pool (Bidston)	47	42	42	10	8	0.0
Harrogate	46	42	41	-	84	0.5
Spurn Head	49	45	*	-	0.4	0.9
Catterick	46	42	41	-	3	*
Tynemouth	48	44	41	-	1	*
Inchkeith	47	41	40	16	9	0.0
Leuchars	47	39	37	10	5	0.0
Renfrew	48	34	26	13	2	0.0
Eskdalemuir	43	38	37	14	7	0.0
Tiree	50	46	37	-	-	0.0
Stornoway	51	38	*	0.1	-	1.8
Dalwhinnie	46	36	36	6	5	0.0
Aberdeen	48	43	41	0.4	3	0.0
Wick	48	44	*	0.4	7	*
Lerwick	50	48	*	1	-	0.0
Blacksod Point	52	41	*	1	0.3	*
Malin Head	49	45	*	-	-	0.0
Aldergrove	46	32	29	0.2	-	0.0
Donaghadee	50	41	*	3	0.1	*
Birr Castle	48	30	20	-	-	2.6
Valentia Obsy.†	54	34	29	4	0.4	2.5
Roches Point	53	40	*	-	-	*

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h. (To-day)
Kew	18	cm.c	c3o	cd.o	50	46	44	-	Tr	0.1	*	*	6
Croydon	217	cm.	c	cid.	51	45	44	-	0.1	0.4	*	*	6
Greenwich (Royal Observatory)	149	c	co	od.d.m.	52	45	37	-	Tr	1.0	69	87	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.4	*	*	*
Westminster (St. James' Park)	27	*	*	*	52	46	41	—	—	0.3	63	86	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	0.2	*	*	*
Camden Square	110	c	c	*	49	46	41	-	-	*	*	89	*
Kensington	80	bcmw	coc	*	51	46	43	-	-	0.1	At 18h. 61	92	*
Hampstead Observatory	450	bcm	bc	*	50	41	39	Tr	Tr	0.1	*	87	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.
1.1	9a 10th 14th	Nil.	0-6hrs 15th

Kew Observatory Max.	Time.	Min.	Time.
0.6	9h. 14th	2.0.4	1h. 15th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 14th November Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 15th November 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	1011.0	E	2	o	43	1014.6	-	0	c	41	45	41	-	-
Brussels	1010.8	ESE	2	b	43	1014.8	SE	2	o	39	50	36	-	Tr
Berlin	1006.0	SW	2	o	45	1017.5	NE	2	o	45		43		-
Zurich	1010.8	NNE	1	d.d.	43	1011.0	NNE	1	d.d.	41	45	43	-	1
Rome	1005.2	SE	4		57	1009.1	W	1	f				45	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 48.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

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

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

COLUMNS 3, 22.—Code for surface visibility.

		Objects not visible at
0	Dense fog	55 yards.
1	Thick fog	220 "
2	Fog	550 "
3	Moderate fog	1,100 "
4	Mist or haze	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.

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

Monday, 16th November 1931.

No. 25.561

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 15th November: 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)	1017.7	+18	NW'N	2	o	46	85	5	5	-	-	10	10	1500
	Croydon	1017.2	+18	NW'N	2	id₀	45	95	4	5	1	-	10	10	450
	S. Farnborough	1017.5	+14	NNW	2	c	46	85	6	5	-	-	10	10	1500
	Winchester	1018.2	+18	NNW	4	c	47	85	7	5	-	-	10	10	2500
	Boscombe Down	1018.6	+18	NNW	4	c	47	75	7	7	3	1	4.6	9	2600
	Calshot, S'thmtn	1017.7	+14	NNW	5	c	49	75	6	5	3	-	4.6	9	2500
	Dungeness	*	*	N	2	c	*	*	6	5	-	-	9+	9+	2500
	Lympne	1016.3	+14	N'W	1	c	45	85	7	5	-	-	9+	9+	2500
2	Shoeburyness	1017.1	+14	SW	1	c	48	85	6	5	-	-	9+	9+	3700
	Felixstowe	1017.2	+16	-	0	c	48	85	7	5	-	-	10	10	2500
	Gorleston	1017.8	+16	SE'E	4	c	47	85	7	4	-	-	7.8	7.8	2500
	Cranwell	1018.6	+24	NE'N	2	o/r	46	95	5	5	-	-	10	10	800
3	Birmingham	1019.4	+16	NNW	4	o	44	85	6	5	-	-	10	10	800
	Upper Heyford	1018.3	+18	NNW	3	c	45	95	6	5	-	-	10	10	800
	Leafield	1017.9	+20	NW'N	4	o	44	85	6	5	-	-	10	10	1500
4	Ross-on-Wye	1019.2	+20	N	3	c	49	65	8	7	-	-	9	9	4000
5	Portland Bill	1018.7	+4	NNW	4	c	52	65	8	8	4	-	7.8	7.8	2500
	Plymouth	1020.7	+14	NW	3	c	52	75	9	1	-	-	7.8	7.8	2500
	Falmouth	1021.9	+10	N'W	4	bc	52	85	8	2	3	-	2.3	4.6	4000
	Scilly (St. Mary's)	1023.0	+16	N'E	3	b	52	75	8	1	-	-	Tr	Tr	4000
	Guernsey	1019.7	+12	N	4	bc	53	75	8	7	4	-	4.6	4.6	2500
6	Pembroke	1021.5	+18	WNW	2	bc	52	85	8	1	-	-	2.3	2.3	2500
7	Holyhead	1020.8	+18	N	5	cjp	51	85	8	2	-	-	7.8	7.8	1500
	Chester (Sealand)	1020.6	+22	NNW	3	bc	49	75	6	5	-	-	4.6	4.6	4000
8	L'pool (Bidston)	1020.6	+20	N	3	bc	47	75	7	5	7	-	2.3	4.6	1500
9	Harrogate	1020.0	+26	N'E	2	df	43	93	3	5	-	-	10	10	<150
10	Spurn Head	1019.1	+12	SE	2	c	49	85	7	3	2	-	4.6	9+	2500
	Catterick	1020.6	+24	N	2	ir	44	95	4	6	-	-	10	10	800
	Tynemouth	1021.0	+22	N	2	o	47	95	7	6	-	-	10	10	1500
11	Inchkeith	1022.1	+20	NNW	2	c	45	85	7	5	2	-	7.8	10	1500
	Leuchars	1021.4	+22	-	0	c	46	85	7	5	7	-	4.6	10	4000
12	Renfrew	1022.7	+22	W	1	b	52	65	6	7	-	-	Tr	Tr	4000
	Eskdalemuir	1021.6	+26	NNE	3	c	44	85	8	5	-	-	9	9	2500
13A	Tiree	1022.7	+20	SSE	2	b	51	65	9	1	-	-	Tr	Tr	4000
13B	Stornoway	1022.0	+20	-	0	b	51	75	8	1	-	-	1	1	4000
15	Dalwhinnie	1023.2	+12	ENE	1	bc	45	75	4	1	6	-	4.6	4.6	800
	Aberdeen	1022.4	+22	WNW	2	c	45	95	8	5	1	-	4.6	10	2500
	Wick	1020.5	+20	NW	2	c	47	95	8	8	6	1	4.6	7.8	2500
16	Lerwick	1022.0	+14	S'E	1	c	49	95	7	5	2	-	4.6	10	1500
17	Blacksod Point	1023.6	+18	-	0	c	51	75	8	-	5	-	0	7.8	-
18	Malin Head	1023.4	+20	NNW	3	b	51	85	8	1	-	-	1	1	2500
	Aldergrove	1022.6	+16	W'N	1	b	49	85	8	8	-	-	1	1	2500
	Donaghadee	1022.0	+28	NE	2	bc	52	75	8	7	-	-	2.3	2.3	2500
19	Birr Castle	1024.3	+16	NW	1	b	49	85	8	-	-	-	0	0	-
20	Valentia Obsy.	1025.3	+14	E'N	1	c	51	85	8	7	6	9	4.6	7.8	2500
	Roches Point	1023.9	+10	N	3	bc	52	75	8	5	-	-	4.6	4.6	1500

District	Stations.	OBSERVATIONS at 18h. G.M.T. 15th November: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1021.2	+26	N'E	2	m	46	95	4	5	-	-	10	10	1500	1	*
	Croydon	1020.7	+22	NE	2	df	46	95	3	5	-	-	10	10	450	1	*
	S. Farnborough	1021.1	+24	-	0	o	46	95	5	5	-	-	10	10	800	1	*
	Winchester	1021.4	+20	NNW	3	o/d	45	95	4	6	-	-	10	10	1500	1	*
	Boscombe Down	1021.9	+24	NNW	3	id₀	45	95	6	5	-	-	10	10	1500	1	*
	Calshot, S'thmtn	1021.0	+22	NW'N	3	c	48	85	6	5	3	-	7.8	10	2500	0	2
	Dungeness	*	*	N	1	o	*	*	6	5	-	*	10	10	1500	*	1
	Lympne	1019.5	+18	N'E	3	o	45	85	5	5	-	-	10	10	1500	1	*
2	Shoeburyness	1020.9	+30	-	0	c	46	95	6	5	-	-	9+	9+	4000	0	*
	Felixstowe	1021.5	+26	E'N	4	c	47	75	7	5	-	-	10	10	1500	0	3
	Gorleston	1021.4	+24	ESE	4	c	48	85	7	5	-	-	9	9	2500	0	3
	Cranwell	1023.4	+34	N	2	o/r	43	95	5	5	-	-	10	10	2500	1	*
3	Birmingham	1022.7	+24	NNW	2	d₀d₀	45	95	4	6	-	-	10	10	800	1	*
	Upper Heyford	1022.0	+22	N'E	2	o	45	95	4	5	-	-	10	10	800	1	*
	Leafield	1021.8	+20	NNW	2	ir₀	43	95	5	5	-	-	10	10	450	1	*
4	Ross-on-Wye	1022.4	+20	N	3	c	46	85	6	5	-	-	10	10	2500	1	*
5	Portland Bill	1021.4	+18	NNW	3	c	50	75	8	4	7	-	7.8	10	2500	1	3
	Plymouth	1023.1	+14	NNW	1	b	48	85	5	1	-	-	Tr	Tr	2500	1	1
	Falmouth	1024.1	+8	NNW	4	bc	49	85	8	3	3	-	2.3	4.6	4000	0	2
	Scilly (St. Mary's)	1025.3	+12	NNW	4	bc	49	85	8	1	-	-	4.6	4.6	4000	0	3
	Guernsey	1021.5	+14	N	3	c	52	75	8	7	4	-	4.6	7.8	2500	0	3
6	Pembroke	1023.4	+20	NNW	3	bc	48	95	7	1	-	-	2.3	2.3	4000	0	2
7	Holyhead	1024.1	+26	NE'N	4	c	50	75	7	2	-	-	9+	9+	1500	1	3
	Chester (Sealand)	1024.1	+24	WNW	2	c	46	85	5	5	-	-	10	10	2500	1	*
8	L'pool (Bidston)	1024.1	+18	N	2	c	46	85	5	5	2	-	4.6	10	1500	0	*
9	Harrogate	1024.7	+30	N	2	f	43	95	2	5	-	-	10	10	<150	1	*
10	Spurn Head	1022.6	+14	SE'E	4	c	48	85	7	5	2	-	4.6	9+	2500	0	3
	Catterick	1024.9	+30	-	0	bc	44	95	4	5	-	-	4.6	4.6	1500	1	*
	Tynemouth	1024.3	+24	E	2	c	48	95	7	2	-	-	7.8	7.8	2500	1	1
11	Inchkeith	1025.0	+12	NE	2	c	46	95	8	5	2	-	2.3	9+	2500	0	2
	Leuchars	1025.3	+22	-	0	c	44	95	6	5	7	-	4.6	9+	1500	1	*
12	Renfrew	1026.1	+24	-	0	b	39	95	4	-	4	-	0	Tr	-	1	*
	Eskdalemuir	1025.7	+26	N	2	c	43	95	6	5	-	-	10	10	800	0	*
13A	Tiree	1025.7	+20	-	0	b	38	95	8	-	7	-	0	Tr	-	0	2
13B	Stornoway	1025.3	+20	-	0	b	42	95	8	-	-	-	0	0	-	1	*
15	Dalwhinnie	1027.0	+20	-	0	c	40	95	8	5	2	-	7.8	10	2500	0	*
	Aberdeen	1026.1	+26	W	1	c	43	95	5	-	7	-	0	10	-	1	1
	Wick	1024.7	+18	WNW	2	c	46	95	8	5	1	-	7.8	9	2500	0	2
16	Lerwick	1024.9	+12	-	0	d₀d₀	48	95	6	5	2	-	7.8	10	800	1	*
17	Blacksod Point	1025.0	+10	-	0	r₀r₀	51	85	7	6	-	-	10	10	<150	1	3
18	Malin Head	1025.8	+18	S	1	b	45	95	8	-	6	-	0	Tr	-	0	2
	Aldergrove	1025.9	+22	-	0	b	41	95	7	5	-	-	Tr	Tr	2500	1	*
	Donaghadee	1025.4	+28	NE	2	bc	49	85	7	7	-	-	2.3	2.3	2500	0	1
19	Birr Castle	1026.3	+20	NNW	1	b	41	95	8	5	-	-	1	1	2500	1	*
20	Valentia Obsy.	1026.7	+6	E'N	1	b	45	85	8	-	-	1	0	1	-	1	3
	Roches Point	1026.8	+22	NW	2	bc	49	85	8	5	-	-	2.3	2.3	2500	0	2

District	Stations.	PAST 24 HOURS. Weather. 7h.–13h. 15th (37)	13h.–18h. 15th (38)	18h. 15th to 1h. 16th (39)	1h.–7h. 16th (40)
1	London (Kew)	o3₀	d₀om	omom₀r₀	cm₀w
	Croydon	cod₀m	omffdd	ofmd₀	obcm₀m
	S. Farnborough	oid₀c	cod₀o	odc	cbcmx
	Winchester	oc	cm₀d₀m	od₀mcm₀	cm₀
	Boscombe Down	c	cm₀d₀	cbo	bcoff
	Calshot, S'thmtn	cm₀	cm₀	cm₀	cm₀
	Dungeness	o	o	*	o
	Lympne	c	cm₀	cm₀	bcom₀
2	Shoeburyness	od₀cm₀	cm₀	cd₀bc	om₀
	Felixstowe	c3₀	cd₀	cbc	c
	Gorleston	ocq	q	o	o,cg
	Cranwell	d₀fir	m,ir₀	cid₀m	cmm₀
3	Birmingham	co	6d₀	ocd₀	of
	Upper Heyford	r₀cm₀	ir₀m₀	om₀r₀,c	cm₀
	Leafield	co	oir₀m₀	mo	c
4	Ross-on-Wye	cbcc	bcc	comido	cmbm₀
5	Portland Bill	bcc	c	cf₀f	afc
	Plymouth	bxzcv	cvbm	bm	bm₀w
	Falmouth	bc	bc	bccir₀	cr₀bcm₀
	Scilly (St. Mary's)	bcb	bbc	bc	bbcc
	Guernsey	bccbc	bcc	cpro	ac
6	Pembroke	b	b	bc	bbc
7	Holyhead	bcjp	pr₀bcb	cbcm₀	bwm₀
	Chester (Sealand)	pr₀bc	bccm₀	cm₀	cm
8	L'pool (Bidston)	vcbbc	bcm₀c	cp₀om	om
9	Harrogate	offrd	offdd	ofoc	c
10	Spurn Head	crcpd	bc	bc	bc
	Catterick	r₀r₀m	r₀d₀mr	bcbmife	b,of
	Tynemouth	or₀r₀	cir₀	cbcm	bc
11	Inchkeith	c	c	ir₀o	r₀r₀o
	Leuchars	cir₀id₀	cid₀m₀	cm₀	cw
12	Renfrew	bcxbz₀	bbcbm	bmfx	bfxomx
	Eskdalemuir	cbcc	c	c	cbxm
13A	Tiree	bw	bbw	bw	bwW
13B	Stornoway	bcw	b	bbcbW	b,bc,b
15	Dalwhinnie	bc	bc	+	b
	Aberdeen	or₀r₀c	cm₀	cbcm₀	bcm₀
	Wick	cd₀dc	c	bc	bc
16	Lerwick	cpro	cd₀d₀m₀	cd₀d₀m₀	cim₀
17	Blacksod Point	c	cjp	ir	c
18	Malin Head	bc	bcb	b	bbcx
	Aldergrove	bxbcb	b	bx	bmx
	Donaghadee	b	b	bbc	bccm₀
19	Birr Castle	b	b	bx	bx
20	Valentia Obsy.	bcxbcc	cbcb	bw	bw
	Roches Point	bc	bc	bcbx	bxoffe

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.
i, fog, visibility 220–1100 yds.
F, thick fog, ,, less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s₀, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s₀/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

b(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. ir, 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.

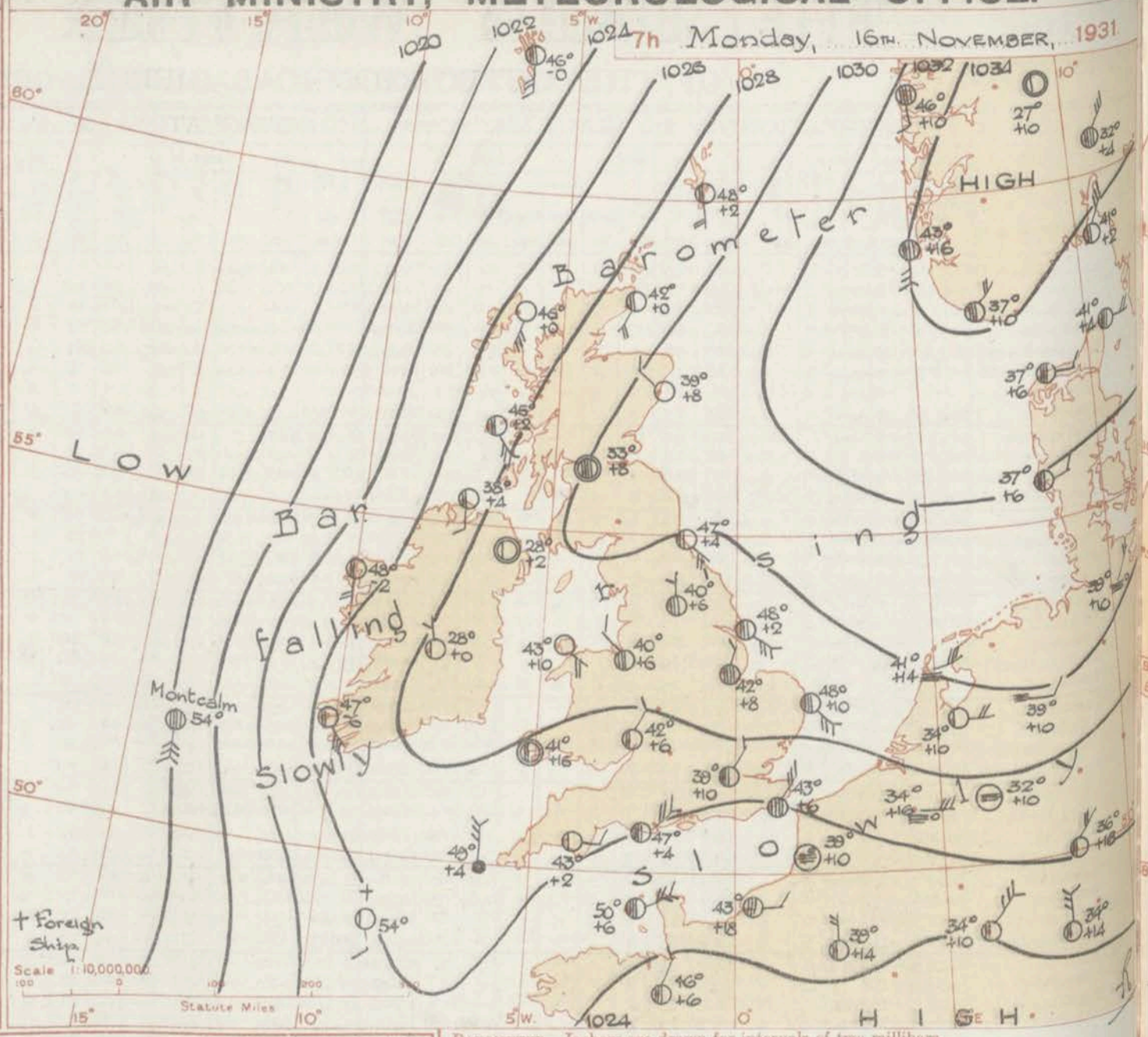
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 15th November 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 Sunset 15th
1	Tunbridge W.	od	ofod	43	46	0.3	0.3	0.0
	Bournemouth	bcc	cbcc	40	50	Tr	-	4.1
	Ventnor ...	ocbcb	bcoz	44	51	-	-	1.7
	Southsea ...	o	o	44	49	-	-	0.0
	Bognor Regis	fbcc	co	43	48	Tr	-	0.1
	Littlehampton	c	c	42	48	-	-	0.0
	Worthing ...	co	o	43	48	-	-	0.1
	Brighton ...	bc	o	44	48	-	-	0.3
	Eastbourne†	o	om	44	51	0.1	-	0.0
	Hastings† ...	omo	om	42	50	1	-	0.1
	Folkestone ...	xofo	o	39	48	-	-	0.0
	Dover... ...	ofmc	co	42	48	-	-	0.0
	Deal	o	o	41	48	-	-	0.0
	Ramsgate ...	c	c	42	50	-	-	0.0
	Margate ...	cm	c	42	49	-	-	0.0
2	Southend ...	om	om	44	47	Tr	-	0.0
	Maldon ...	o	o	42	49	-	-	0.0
	Clacton-on-Sea	c	cogc	44	50	-	-	0.3
	Dovercourt ...	zoc	zoc	44	47	-	-	0.0
	Lowestoft ..	c	c	46	48	-	-	1.2
	Skegness ...	om	oco	43	48	Tr	-	0.0
	Mablethorpe	oc	co	43	48	Tr	-	0.0
	Cleethorpes ...	oeir	oeir	42	48	0.3	0.1	0.0
3	Leamington S.	co	om	43	47	1	-	0.0
4	Cheltenham†	cbcc	om	43	47	2	-	0.0
5	Bath	c	c	42	49	1	-	0.0
	Weymouth ...	b	b	42	54	-	-	7.7
	Jersey ...	bc	bcc	46	55	-	-	4.0
	Torquay ...	bm	(b)	36	54	-	-	7.9
	Penzance ...	b	b	43	56	2	-	8.0
	St. Ives ...	b	b	47	53	0.3	-	7.2
	Bude	bc	bc	46	54	0.3	-	7.7
	Ilfracombe ...	b	b	47	54	-	-	6.7
6	Aberystwyth	cqrbc	bcbbc	44	51	1	-	5.3
7	Llandudno ...	cbc	bcc	44	51	4	-	4.9
	Colwyn Bay...	bcb	bcco	43	50	4	-	4.3
	Rhyl	bc	bcc	44	51	7	-	4.2
8	Wallasey ...	cbcb	bbcc	43	49	11	-	3.8
	Southport‖ ...	bcc	bcco	43	49	8	-	2.2
	Blackpool ...	orc	bcc	43	48	9	-	1.7
	Morecambe ...	rcb	pbbc	43	48	10	Tr	1.1
9	Ilkley... ...	ocd	o	41	46	10	Tr	0.0
10	Berwick-on-T.	o	o	42	47	4	-	0.0
11	Dunbar ...	oroc	crom	41	47	0.3	0.3	0.0
12	Douglas ...	bc	bc	42	50	9	-	6.4

† 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 Nov. 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Light variable winds becoming moderate to fresh southeasterly; mainly dull, some rain later; moderate temperature, rising.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Moderate variable to fresh or strong southeasterly winds; cloud increasing and lowering, some rain later; moderate temperature, rising.
9. N. Midlands 10. N.E. England 11. S.E. Scotland	As 1 - 3.
12. S.W. Scotland & Isle of Man 13. A. W Scotld. B. N.W. Scotland. 14. Mid-Scotland	Moderate to strong southerly or southeasterly winds; cloudy, some rain; mild.
15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate to fresh southerly winds, strong locally; cloudy, some rain later; moderate temperature, rising.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate to strong southerly or southeasterly winds, veering later; cloudy, some rain; mild.

GENERAL INFERENCE.

A depression centred south of Iceland is likely to move eastward and an associated secondary off Southwestern Ireland east-northeastward. Unsettled conditions with freshening southerly winds are expected soon to reach the western seaboards of Scotland and Ireland and then to spread slowly eastward.

FURTHER OUTLOOK.

Unsettled and mild.

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

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, 16th November 1931.

No. 25561

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

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	1025.3	+16	NE'E	2	o	43	95	6	5	-	-	10	10	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1024.5	+14	NNE	2	c	47	85	6	5	7	-	2.3	10	4000
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1024.5	+18	NE'E	3	c	41	85	6	5	-	-	10	10	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1026.1	+6	SE	3	o	48	85	7	5	-	-	10	10	2500
	Cranwell	240	1027.5	+14	-	0	c	43	95	4	5	-	-	10	10	4000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1024.1	+10	NNW	4	of	47	85	3	5	-	-	10	10	800
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1026.1	+4	N	2	ir.	48	85	7	5	-	-	7.8	7.8	4000
	Scilly (St. Mary's)	163	1027.4	+8	N'W	4	bc	48	75	8	1	-	-	2.3	2.3	4000
	Guernsey	175	1023.6	+8	NNE	2	o	49	85	5	8	-	-	10	10	2500
6	Pembroke	142	1026.5	+10	NNW	2	bc	45	95	7	5	-	-	2.3	2.3	1500
7	Holyhead	26	1027.2	+10	NNE	1	b	48	85	6	5	-	-	Tr.	Tr.	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1027.5	+8	SE'E	2	c	46	95	7	-	2	-	0	9+	-
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	67	1029.0	+10	WSW	1	bc	43	95	6	5	-	-	4.6	4.6	1500
11	Inchkeith	190	1029.0	+12	NW	1	c.c.	44	95	6	5	-	-	10	10	1500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1026.8	+6	SSW	2	b	40	95	7	1	-	-	1	1	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1028.0	+10	WNW	2	bc	37	95	8	8	-	-	2.3	2.3	2500
16	Lerwick	54	1027.9	+8	-	0	c	47	95	5	5	2	-	4.6	9+	800
17	Blacksod Point	18	1025.0	0	-	0	bc	50	85	7	-	4	-	0	2.3	-
18	Malin Head	52	1028.0	+4	S	2	b	40	95	8	5	-	-	Tr.	Tr.	4000
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1027.9	0	S'W	2	b	46	95	8	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1027.8	+10	NNE	2	c	42	85	6	-	3	-	0	9+	-	1	*
	Croydon	1027.4	+10	NE	1	c	39	95	4	5	3	-	9	10	2500	1	*
	S. Farnborough	1027.6	+10	-	0	fg	38	95	4	5	-	-	7-8	7-8	2500	1	*
	Winchester	1027.9	+10	NNE	2	c	40	95	5	5	-	-	9+	9+	5700	1	*
	Boscombe Down	1027.5	+14	NNE	2	f	38	95	2	5	-	-	10	10	<150	1	*
	Calshot, (S'thmtn)	1027.1	+14	N'E	2	c	44	85	5	5	1	-	7-8	9+	2500	0	1
	Dungeness	*	*	NNW	2	c	*	*	6	5	-	*	9+	9+	1500	*	1
	Lympne	1025.8	+6	NE	3	c	43	85	6	5	-	-	10	10	1500	1	*
2	Shoeburyness	1027.2	+4	NNE	2	c	44	85	6	5	-	-	10	10	4000	1	*
	Felixstowe	1027.7	+8	E'N	3	c	48	85	7	5	-	-	10	10	2500	0	3
	Gorleston	1028.3	+10	SE'E	4	c	48	75	7	6	2	-	4-6	9+	2500	0	3
	Cranwell	1029.0	+8	NE'N	1	c	42	95	5	5	-	-	10	10	4000	1	*
3	Birmingham	1028.7	+6	NE	1	of	43	95	3	5	-	-	10	10	800	1	*
	Upper Heyford	1028.7	+10	NE	2	c	40	95	6	5	-	-	10	10	4000	1	*
	Leafield	1027.8	+6	NE	2	c	40	95	6	5	-	-	9+	9+	4000	1	*
4	Ross-on-Wye	1027.6	+6	NE	1	bc	42	95	6	5	8	-	Tr.	2-3	2500	1	*
5	Portland Bill	1026.0	+4	NE'E	4	c	47	75	6	4	7	-	7-8	10	2500	0	3
	Plymouth	1026.3	+2	E	1	b	43	95	6	5	-	-	1	1	2500	1	0
	Falmouth	1027.0	+4	N'W	2	bc	43	85	6	5	-	-	2-3	2-3	4000	1	1
	Scilly (St. Mary's)	1027.1	+4	N'W	4	PRC	49	85	8	2	-	-	7-8	7-8	4000	0	2
	Guernsey	1024.5	+6	ENE	5	c	50	85	6	8	-	-	10	10	2500	0	3
6	Pembroke	1027.3	+16	-	0	bc	47	95	6	5	-	-	(4-6)	4-6	4000	0	1
7	Holyhead	1028.3	+10	E'S	2	b	43	95	5	-	-	-	0	0	-	1	1
	Chester (Sealand)	1029.3	+6	NW	1	c	40	95	4	5	-	-	9+	9+	4000	1	*
8	L'pool (Bidston)	1029.1	+2	E'S	3	o	43	95	4	5	-	-	10	10	1500	0	*
9	Harrogate	1029.9	+6	N	1	c	40	95	4	6	2	-	7-8	9+	<150	1	*
10	Spurn Head	1028.6	+2	SE'E	4	c	48	75	7	5	-	-	9+	9+	5700	0	3
	Catterick	1030.2	+6	-	0	of	42	95	3	5	-	-	10	10	800	1	*
	Tynemouth	1029.4	+4	ESE	2	bc	47	85	7	5	-	-	4-6	4-6	800	0	2
11	Inchkeith	1030.1	+8	ESE	1	c	45	95	7	5	-	-	9+	9+	1500	1	2
	Leuchars	1030.0	+8	-	0	c	41	95	7	5	3	-	7-8	9+	2500	1	*
12	Renfrew	1030.8	+8	-	0	o	33	95	4	5	-	-	10	10	1500	1	*
	Eskdalemuir	1031.1	+2	N	2	b	32	95	4	5	-	-	1	1	2500	4	*
13A	Tiree	1027.4	+2	SSE	4	bc	45	85	7	1	5	5	Tr.	2-3	4000	0	3
13B	Stornoway	1026.8	0	SSW	3	b	46	95	9	-	-	-	0	0	-	1	1
15	Dalwhinnie	1031.0	+2	NW	1	b	24	85	8	-	-	-	0	0	-	0	*
	Aberdeen	1030.4	+8	NW	1	b	39	95	6	-	-	-	0	0	-	1	1
	Wick	1028.7	0	SW	2	bc	42	95	8	7	4	-	2-3	4-6	4000	0	2
16	Lerwick	1029.0	+2	S	2	bc	48	95	7	5	-	-	4-6	4-6	1500	1	*
17	Blacksod Point	1024.6	-2	S	2	bc	48	85	8	-	5	-	0	4-6	-	0	3
18	Malin Head	1027.8	+4	S	1	bc	38	95	8	5	5	-	1	2-3	4000	0	1
	Aldergrove	1029.7	+2	-	0	b	28	95	4	5	-	-	1	1	1500	1	*
	Donaghadee	1028.8	+4	SW	1	c	44	95	7	5	-	-	7-8	7-8	1500	0	0
19	Birr Castle	1028.1	0	NNW	1	b	28	95	8	-	-	1	0	1	-	0	*
20	Valentia Obsy.†	1026.6	-6	SE	3	bc	47	85	8	1	7	-	1	2-3	2500	1	*
	Roches Point	1028.4	+4	N	3	f	36	95	3	5	-	-	10	10	<150	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 15h Hrs. (36)
1	London (Kew)	47	42	39	Tr	0.1	0.0
	Croydon	46	39	34	0.1	Tr	0.0
	S. Farnborough	47	36	28	Tr	0.1	0.0
	Winchester	47	39	34	Tr	Tr	0.0
	Boscombe Down	48	37	35	Tr	Tr	*
	Calshot, (S'thmtn)	49	39	39	-	-	0.1
	Dungeness	50	42	*	-	-	*
	Lympne	46	38	34	-	-	0.0
2	Shoeburyness	49	41	39	Tr	Tr	0.1
	Felixstowe	49	41	35	Tr	-	0.2
	Gorleston	48	46	44	-	-	1.8
	Cranwell	47	37	33	1	Tr	0.0
3	Birmingham	45	42	37	Tr	Tr	0.0
	Upper Heyford	45	38	34	0.2	0.2	*
	Leafield	44	35	30	0.1	-	0.4
4	Ross-on-Wye	49	41	34	-	0.1	1.9
5	Portland Bill	53	46	*	-	-	*
	Plymouth	(53)	37	34	-	-	7.7
	Falmouth	53	42	*	-	0.1	8.0
	Scilly (St. Mary's)	53	47	*	-	-	7.8
	Guernsey	53	49	45	-	1	5.7
6	Pembroke	52	41	*	-	-	7.1
7	Holyhead	52	43	36	Tr	-	6.5
	Chester (Sealand)	49	37	31	Tr	-	3.1
8	L'pool (Bidston)	47	41	36	-	Tr	3.1
9	Harrogate	44	39	37	2	-	0.0
10	Spurn Head	49	45	*	Tr	-	0.0
	Catterick	45	36	31	2	0.6	*
	Tynemouth	49	41	34	2	-	*
11	Inchkeith	46	43	40	-	0.1	0.0
	Leuchars	46	40	35	0.1	Tr	0.0
12	Renfrew	53	27	22	-	-	5.9
	Eskdalemuir	45	30	27	-	-	1.9
13A	Tiree	52	36	22	-	-	7.1
13B	Stornoway	53	38	*	-	-	6.5
15	Dalwhinnie	46	22	14	-	-	2.4
	Aberdeen	46	38	30	0.2	-	0.0
	Wick	47	35	*	Tr	-	*
16	Lerwick	50	46	*	0.2	Tr	0.0
17	Blacksod Point	52	46	*	Tr	Tr	*
18	Malin Head	51	37	*	-	-	6.2
	Aldergrove	51	27	23	-	Tr	6.6
	Donaghadee	53	39	*	-	-	*
19	Birr Castle	51	28	16	-	-	6.5
20	Valentia Obsy.†	53	38	32	0.1	0.1	3.0
	Roches Point	53	35	*	-	0.2	*

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h. (To-day)
Kew	18	o3.	d.om	omrcw	47	42	39	Tr	0.1	0.0	*	*	4
Croydon	217	cod.m	omfdd	ofd.obcm	46	39	34	0.1	Tr	0.0	*	*	3
Greenwich (Royal Observatory)	149	otm.m	omfd.m	ocdcom	46	41	33	0.3	Tr	0.0	94	87	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Park)	27	*	*	*	48	43	39	0.5		0.0	85	84	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square	110	od	od	*	47	41	37	Tr	Tr	*	*	89	*
Kensington	80	of	of	*	47	42	35	-	0.3	0.0	At 18h. 92	85	*
Hampstead Observatory	450	od	od	*	45	37	32	0.1	Tr	0.0	*	87	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.	Kew Observatory Max.	Time.	Min.	Time.
1.0	19h-20h 15th	0.3	1h-5h 16th	0.6	20h. 15th.	0.1	1h. 16th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 15th November Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 16th November 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	1019.5	-	0	c	43	1024.9	N	2	bc	39	48	37	-	-
Brussels	1021.5	NE	1	o	39	1027.1	E	3	b	34	41	34	-	-
Berlin	1025.7	NE	3	bc	46	1027.8	N	1	c/r	41		39		Tr
Zürich														
Rome	1012.1	SSE	3	b	54	1017.0	SSE	3	c	50	63	46	2	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

		Objects not visible at
0	Dense fog	55 yards.
1	Thick fog	220 "
2	Fog	550 "
3	Moderate fog	1,100 "
4	Mist or haze	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.

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

Tuesday, 17th November 1931.

No. 25562

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

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)	1028.5	-4	N'E	2	cf	47	85	3	5	-	-	10	10	1500
	Croydon	1028.2	-2	ENE	1	cf	46	85	3	5	-	-	9+	9+	4000
	S. Farnborough	1028.3	-6	NNE	1	c	45	85	4	5	-	-	10	10	4000
	Winchester	1028.4	-6	NE'N	3	c	47	86	5	5	-	-	9+	9+	4000
	Boscombe Down	1028.5	-4	NNE	3	c	46	86	6	5	-	-	9+	9+	4000
	Calshot, S'thmtn	1027.8	-6	NNE	3	c	48	75	5	5	-	-	9+	9+	4000
	Dungeness	*	*	E	2	c	*	*	7	1	7	*	4-6	7-8	2500
	Lympne	1027.1	-2	NE'N	2	b	48	75	6	1	-	-	1	1	2500
2	Shoeburyness	1028.6	+4	NE'E	4	b	50	65	7	1	-	-	1	1	2500
	Felixstowe	1029.2	0	E'N	2	bc	50	65	8	1	-	-	4-6	4-6	4000
	Gorleston	1029.0	0	SE	3	c	50	85	7	8	-	-	7-8	7-8	2500
	Cranwell	1030.3	-2	E'N	1	c	47	85	7	5	-	-	9+	9+	5700
3	Birmingham	1029.4	0	ENE	1	cf-	45	95	3	5	4	-	7-8	9	800
	Upper Heyford	1029.4	-2	NNE	2	c	46	85	5	5	-	-	9+	9+	4000
	Leafield	1028.8	0	N'W	2	c	43	95	6	5	-	-	9+	9+	4000
4	Ross-on-Wye	1028.2	-4	ENE	2	bc	47	75	6	7	-	-	4-6	4-6	4000
5	Portland Bill	1027.3	0	NE	4	c	48	75	6	8	6	-	4-6	7-8	2500
	Plymouth	1027.5	-4	ENE	2	c	49	75	6	7	-	-	7-8	7-8	2500
	Falmouth	1028.0	-4	E	3	bc	49	85	6	5	-	-	4-6	4-6	4000
	Scilly (St. Mary's)	1027.5	-6	ESE	2	bc	53	75	7	1	-	4	1	4-6	4000
	Guernsey	1025.9	-4	ENE	3	bc	50	75	7	7	1	8	2-3	4-6	2500
6	Pembroke	1029.2	-6	NNW	1	bcf-	48	85	6	5	1	-	2-3	4-6	2500
7	Holyhead	1028.6	-6	E'S	2	c	49	65	6	5	-	2	1	9+	4000
	Chester (Sealand)	1030.1	-6	-	0	c	46	85	4	5	-	-	10	10	4000
8	L'pool (Bidston)	1029.5	-4	E'S	1	of	46	85	3	5	-	-	10	10	1500
9	Harrogate	1030.8	+6	-	0	c	44	95	4	5	-	-	9+	9+	<150
10	Spurn Head	1030.5	+2	SE	3	c	49	75	7	5	3	-	4-6	7-8	4000
	Catterick	1030.9	-2	~~E~~	~~4~~	c	46	96	4	5	-	-	10	10	5700
	Tynemouth	1031.1	0	NW	1	of	46	96	3	6	-	-	10	10	1500
11	Inchkeith	1031.0	-10	S	2	bc	47	85	6	5	-	2	4-6	4-6	800
	Leuchars	1030.9	-2	E	1	bc	46	95	6	5	-	1	2-3	2-3	1500
12	Renfrew	1030.7	-6	W	1	F	37	96	0	5	-	-	10	10	<150
	Eskdalemuir	1030.9	-6	NE'E	2	c	43	85	7	-	3	-	0	7-8	-
13A	Tiree	1026.6	-10	SE'S	5	c	49	85	6	5	1	-	7-8	9+	2500
13B	Stornoway	1026.2	-6	S	4	c	48	85	8	5	7	-	2-3	9+	4000
15	Dalwhinnie	1030.9	-2	SW	2	bc	42	75	8	1	-	-	1	4-6	4000
	Aberdeen	1031.1	-2	S	2	bc	46	85	6	5	-	4	4-6	4-6	800
	Wick	1029.4	0	SSW	3	bc	47	85	8	1	-	4	2-3	2-3	4000
16	Lerwick	1030.8	-2	S	3	c	49	95	7	5	-	-	7-8	7-8	1500
17	Blacksod Point	1023.4	-8	SSE	4	c	50	75	8	-	7	-	0	9	-
18	Malin Head	1026.5	-8	S	3	c	48	95	6	5	-	7	Tr.	9+	2500
	Aldergrove	1028.9	-10	SE'E	3	c	49	85	5	1	-	6	2-3	7-8	2500
	Donaghadee	1028.7	-4	SSE	2	c	50	65	7	5	3	2	4-6	7-8	2500
19	Birr Castle	1027.5	-8	S	2	c	44	95	7	-	-	7	0	9+	-
20	Valentia Obsy.	1025.3	-16	S'E	4	c	51	75	8	1	-	7	2-3	9+	2500
	Roches Point	1027.9	-6	N	3	bc	44	95	8	5	-	9	2-3	4-6	1500

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

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)	1028.8	-6	ENE	3	o	47	75	5	5	-	-	10	10	2500	1	*
Croydon	1028.1	+2	NE'E	2	c	43	85	4	5	3	-	4-6	9+	4000	1	*
S. Farnborough	1028.1	+6	NE	2	c	45	85	4	5	-	-	10	10	2500	1	*
Winchester	1028.4	+8	NNE	2	c	44	95	4	5	-	-	10	10	4000	1	*
Boscombe Down	1028.2	+12	NNE	2	c	43	95	5	5	-	-	10	10	4000	0	*
Calshot, S'thmtn	1027.7	+6	N'E	3	c	45	85	4	5	-	-	10	10	4000	0	1
Dungeness	*	*	E	3	c	*	*	7	4	1	*	4-6	7-8	2500	*	1
Lympne	1027.2	+2	ENE	3	b	38	95	5	1	-	-	1	1	2500	1	*
Shoeburyness	1028.5	0	E'N	2	b	46	75	7	1	-	-	1	1	4000	0	*
Felixstowe	1028.9	-4	E'N	4	b	48	75	8	-	-	-	0	0	-	0	2
Gorleston	1029.4	-2	SE	3	bc	48	85	7	7	-	-	2-3	2-3	4000	0	3
Cranwell	1029.9	+2	E'N	2	c	44	85	6	5	-	-	9+	9+	4000	1	*
Birmingham	1029.3	+2	E	2	o	45	85	5	5	-	-	10	10	800	1	*
Upper Heyford	1029.0	+2	ENE	2	c	44	95	6	5	-	-	9+	9+	1500	0	*
Leafield	1028.6	+14	NE	1	c	43	95	6	5	-	-	9+	9+	4000	1	*
Ross-on-Wye	1028.1	0	ENE	1	o	44	95	4	5	-	-	10	10	800	1	*
Portland Bill	1027.3	+6	NE	3	c	45	85	6	5	7	-	7-8	10	2500	0	2
Plymouth	1027.8	~~-80~~	E	1	b	42	85	6	1	-	-	Tr.	Tr.	4000	1	0
Falmouth	1027.5	0	-	0	c	47	95	6	8	7	-	4-6	7-8	4000	0	0
Scilly (St. Mary's)	1027.1	-2	ESE	1	c	46	85	7	2	-	4	2-3	7-8	4000	0	1
Guernsey	1026.4	+6	ENE	1	bc	47	75	7	4	1	-	2-3	4-6	2500	0	3
Pembroke	1027.2	+2	E'N	1	bc	46	95	6	5	1	-	2-3	4-6	2500	0	1
Holyhead	1028.1	-4	SE	2	bc	44	75	6	5	-	2	2-3	4-6	2500	1	1
Chester (Sealand)	1029.4	-2	-	0	cf	44	95	3	5	-	-	10	10	4000	1	*
L'pool (Bidston)	1029.5	0	E'S	2	of	46	85	3	5	-	-	10	10	800	0	*
Harrogate	1030.3	0	SSE	1	c	43	95	5	5	-	-	9+	9+	2500	1	*
Spurn Head	1029.7	0	SE	3	c	48	85	7	4	4	-	4-6	7-8	4000	0	2
Catterick	1030.2	-2	-	0	bc	38	95	4	5	-	-	4-6	4-6	4000	1	*
Tynemouth	1030.5	0	S	1	bc	45	85	7	5	-	-	2-3	2-3	1500	0	1
Inchkeith	1030.7	0	E	2	bc	45	85	7	5	4	-	2-3	4-6	4000	0	2
Leuchars	1029.9	-4	-	0	cf	37	95	2	-	-	8	0	7-8	-	1	*
Renfrew	1029.8	-6	-	0	F	32	95	0	5	-	-	10	10	<150	1	*
Eskdalemuir	1030.3	-2	-	0	c	40	95	7	-	3	6	0	9+	-	1	*
Tiree	1024.9	-8	SSE	6	bc	48	85	6	6	6	-	4-6	4-6	2500	0	3
Stornoway	1024.2	-12	S	6	c	49	85	7	5	7	-	4-6	7-8	4000	1	4
Dalwhinnie	1027.0	-2	SSW	2	bc	37	85	8	5	6	-	2-3	4-6	4000	0	*
Aberdeen	1030.2	-8	S	1	bc	43	95	4	5	-	8	2-3	4-6	800	1	1
Wick	1028.1	-6	S	4	c	46	95	7	5	1	3	4-6	7-8	2500	1	3
Lerwick	1029.9	-4	S	2	c	48	95	6	5	-	-	7-8	7-8	800	0	*
Blacksod Point	1020.9	-8	SSE	4	cjp	49	85	7	-	7	-	0	10	-	0	4
Malin Head	1024.5	-6	SE'S	4	c	45	95	7	5	7	-	1	7-8	4000	0	2
Aldergrove	1027.7	-2	SE'E	3	c	44	75	5	-	7	6	0	7-8	-	1	*
Donaghadee	1027.6	*	S'W	2	c	46	65	7	5	-	-	7-8	7-8	1500	0	1
Birr Castle	1025.3	-12	SSE	2	c	44	95	7	-	3	-	0	7-8	-	0	*
Valentia Obsy.	1023.5	-6	SSE	4	c	51	75	8	5	-	-	10	10	1500	1	4
Roches Point	1026.1	-6	W	3	bc	49	85	8	5	7	-	2-3	4-6	1500	0	3

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)	cmwcf	cfom.	om.bm	xoF
Croydon	cmff	cfbem	cmwbfe	bfcmx
S. Farnborough	cfm.m	cmfm	cbmoF	ofefe
Winchester	cm.	cm	om	omff
Boscombe Down	ofcm.	cm.	cm.	om.ff
Calshot, S'thmtn	bcm.	cbccm	cmm.	cm.
Dungeness	bc	bc	•	bc
Lympne	cb3.	bm.	bxom.	ocm.
Shoeburyness	cm.bc	bc	b	bwbcm
Felixstowe	cbc	bcm.	bbcc	c
Gorleston	cq	cbc	bccbc	bour.
Cranwell	cm.c	cm.	cm.bf	bfe
Birmingham	off	cfo	oc	cbc
Upper Heyford	cmm.	cm.	cm.	FFxo
Leafield	c	bcc	c	cbcf
Ross-on-Wye	bcomcm	bc3com	om	omcm
Portland Bill	c3.	c3.	om.	oc3.
Plymouth	bwbcm.	bcb3.	bm	bcm.w
Falmouth	bc3.	bc3.	bc3.	bcf
Scilly (St. Mary's)	cbc	bcc	cbc	bcc
Guernsey	coc bc	bc	o	oc
Pembroke	bc3.	bcm.	bc	bc
Holyhead	bbcc	c3.	bcom.	cm.
Chester (Sealand)	cfffm	cm.	off	ffo
L'pool (Bidston)	omf	off	offom	moff
Harrogate	cm	c	cm	comx
Spurn Head	bc	bc	cbc	bccx
Catterick	fe ocm	cm	bcm	bcmcf
Tynemouth	bc, off	off, bc	bcff	bcff
Inchkeith	cFFm.	bc	cbc	bc
Leuchars	cwm.	cwm fw	cfcm.	bcm.x
Renfrew	omxfF	FF	Fcm	cmm.
Eskdalemuir	bxbcc	c	cbx	bxc
Tiree	bcm.	cbcm.	c	cdd
Stornoway	c	c	c	ccr.
Dalwhinnie	bc	b	•	c
Aberdeen	bmbc	bcm	bcm.	cpr.m
Wick	bc	⊕bcc ◐	cbc	bcc
Lerwick	bcc	cm.	cm.bc	bcc
Blacksod Point	c	c	rr	cnq
Malin Head	bcc3.⊕	c3.bcc	c3.3.	ccr
Aldergrove	bmxc	cbcm.	bcc	ccr.
Donaghadee	cbc	bcc	bcc	c
Birr Castle	bc	c	cbc	bccpr.
Valentia Obsy.	bwbcc	c	cr.	cr
Roches Point	oggebc	bc	bcc	c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
n, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

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

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.

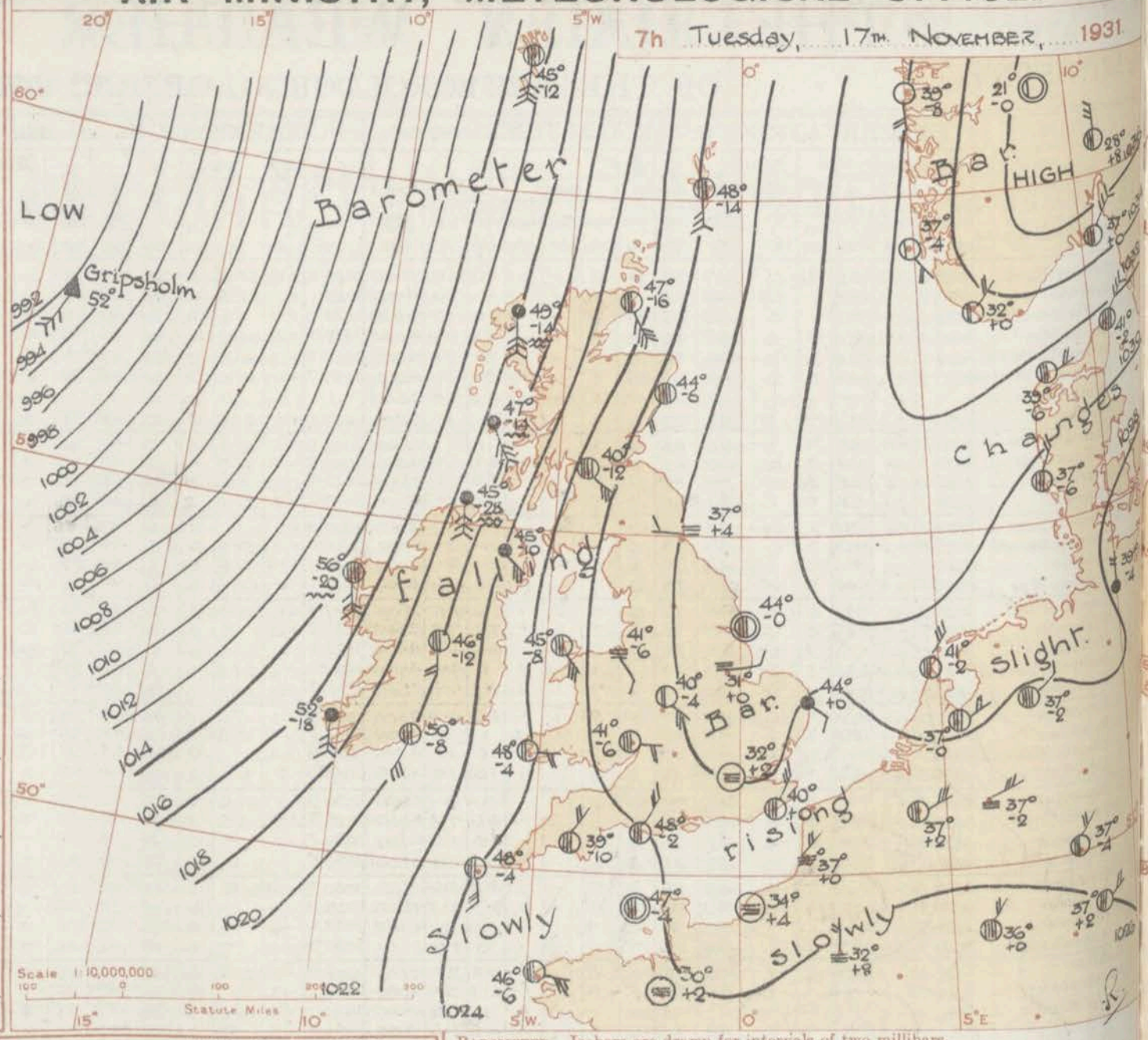
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 16th November 1931.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 15th to 9h. 16th	Temperature. Max. 9h.—17h. 16th	Rainfall. Night. 17h. 15th to 9h. 16th	Rainfall. Day. 9h.—17h. 16th	Sunshine. Sunrise to Sunset. 16th
1	Tunbridge W.	o	ocom	34	48	0.5	–	0.4
	Bournemouth	b	bm	42	50	–	–	6.0
	Ventnor ...	bco3	bco3	42	49	–	–	1.4
	Southsea ...	co	oc	40	49	–	–	0.5
	Bognor Regis	o	o	39	47	–	–	0.0
	Littlehampton	c	c	39	47	–	–	0.0
	Worthing ...	o	o	38	48	Trace	–	0.0
	Brighton ...	c	oc	39	49	–	–	0.0
	Eastbourne†	o	ocb	39	50	Trace	–	0.0
	Hastings† ...	omc	cbcb	39	50	0.3	–	1.4
	Folkestone ...	omb	b	42	50	–	–	4.3
	Dover... ...	cbc	bcbbc	44	50	–	–	4.3
	Deal	cbc	b	43	49	–	–	4.0
	Ramsgate ...	cbc	bc	43	50	–	–	4.6
	Margate ...	cbc	bc	43	50	–	–	4.6
2	Southend ...	cfbc	bcbm	42	50	0.3	–	3.4
	Maldon ...	oc	bbc	41	50	Trace	–	2.5
	Clacton-on-Sea	cb	cbc	42	50	–	–	2.4
	Dovercourt ...	bc	bc	43	51	–	–	2.5
	Lowestoft ...	b	b	44	49	–	–	4.5
	Skegness ...	bco	o	45	49	–	–	0.2
	Mablethorpe	oc	o	46	49	–	–	0.1
	Cleethorpes...	o	o	45	49	Trace	–	0.0
3	Leamington S.	mo	o	41	48	0.2	–	0.0
4	Cheltenham†	cmoc	cmom	40	48	Trace	–	0.2
5	Bath	cbcc	cbcb	40	48	–	–	2.1
	Weymouth ...	bbc	b	43	50	–	–	6.3
	Jersey ...	cbc	bc	47	51	–	–	4.1
	Torquay ...	c3w	obco3	39	49	–	–	2.9
	Penzance ...	b	b	42	54	–	–	6.7
	St. Ives ...	b	b	44	52	–	–	5.5
	Bude	wxb	b	35	49	–	–	6.7
	Ilfracombe ...	bcc	cbcb	44	49	–	–	2.8
6	Aberystwyth	bccmw	cmc	40	48	–	–	0.0
7	Llandudno ...	c	c	37	47	–	–	0.0
	Colwyn Bay...	mo	o	35	47	–	–	0.0
	Rhyl	cm	cm	34	48	–	–	0.0
8	Wallasey ...	fo	of	38	48	–	–	0.0
	Southport‖ ...	om	om	38	46	–	–	0.0
	Blackpool ...	oc	co	38	48	–	–	0.0
	Morecambe ...	c	c	41	49	–	–	0.0
9	Ilkley... ...	o	o	38	46	Trace	–	0.0
10	Berwick-on-T.	of	fo	31	42	–	–	0.0
11	Dunbar ...	cxbm	cbcm	36	48	–	–	4.5
12	Douglas ...	cbc	cbc	41	49	–	–	0.2

† Max. Temp. for period 24h. 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. 17th Nov. 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Light variable to moderate southerly winds, fresh locally; mainly dull, some rain perhaps later; mist or fog locally tonight; moderate temperature.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Moderate to fresh southerly winds, strong at times; mainly dull, some rain; mild.
12. S.W. Scotland & Isle of Man 13. A. W. Scotland. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands. 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Fresh or strong southerly winds, stronger locally in exposed places; cloudy, some rain; mild.

GENERAL INFERENCE.

A depression off the western seaboard is moving eastward and will cause mild unsettled weather generally with winds from a southerly point.

FURTHER OUTLOOK.

Unsettled.

Time of issue of Gale Warnings

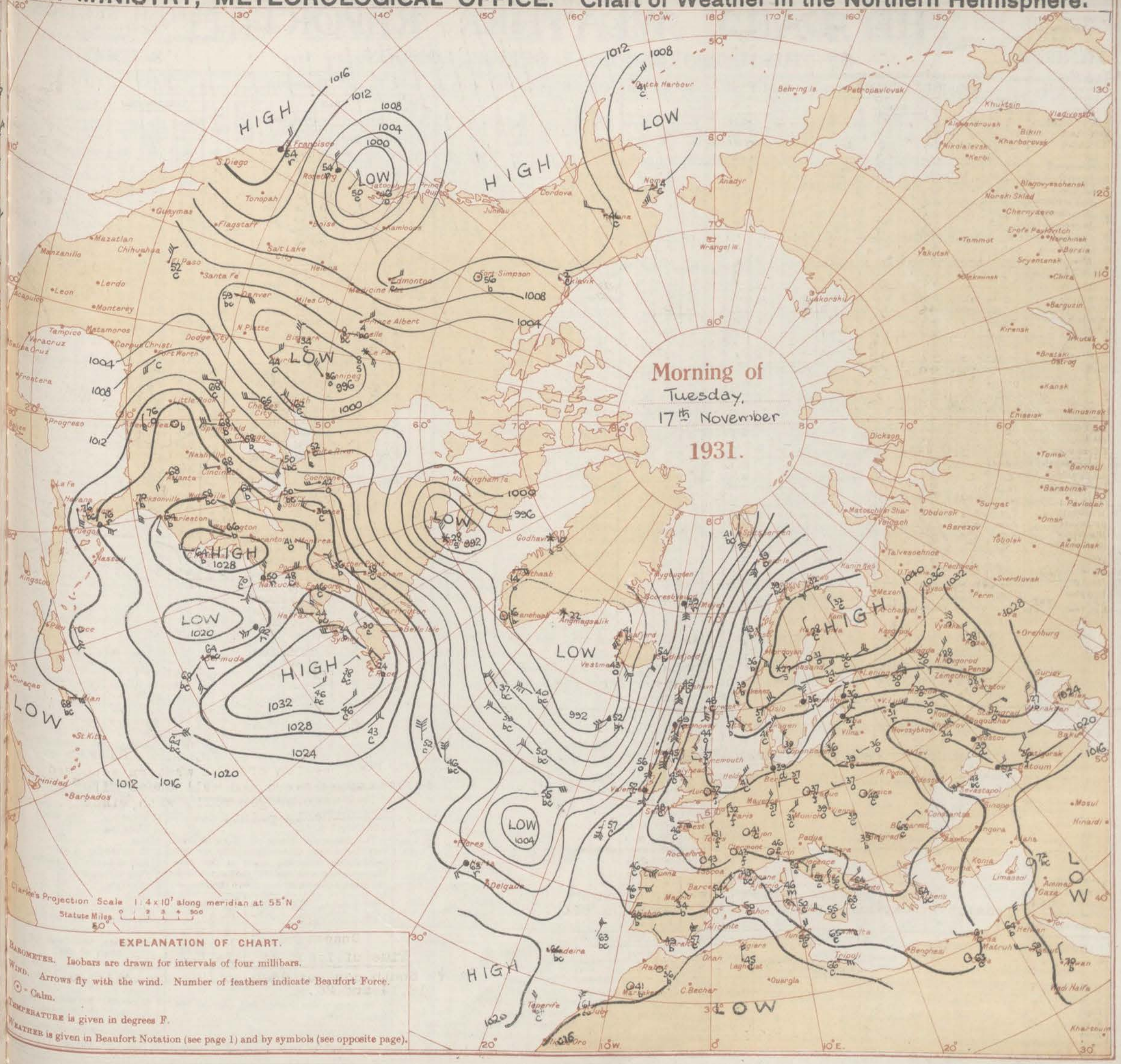
South cone at 0800 on 17th in 13,15,16,17, 18,19 and 20.

Forecasts issued at 0945

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

Tuesday, 17th November 1931.

No. 25562

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1028.3	-2	E'S	1	bf	33	95	2	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1027.3	-4	ENE	1	c	45	85	5	5	-	-	10	10	4000
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1027.5	+2	ENE	3	o	39	95	5	5	-	-	10	10	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1029.3	0	SE'S	2	b	47	75	7	-	-	-	0	0	-
	Cranwell	240	1029.6	-4	-	0	bf	35	95	3	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1026.3	-8	NE	3	o	46	85	5	5	-	-	10	10	1500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1027.1	-2	NNE	1	bc	40	95	6	5	-	-	2.3	2.3	4000
	Scilly (St. Mary's)	163	1026.7	0	SW	2	bc	48	95	7	2	-	-	4.6	4.6	4000
	Guernsey	175	1025.7	-4	-	0	o	47	75	7	5	-	-	10	10	2500
6	Pembroke	142	1026.6	0	S	3	bc	47	85	7	-	7	-	0	4.6	-
7	Holyhead	26	1027.0	-2	SE'S	2	c	45	85	6	5	-	-	5+	5+	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1029.3	-2	SW'S	2	bc	45	85	7	-	1	-	0	4.6	-
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	67	1029.7	-4	W	1	bcf	40	85	3	5	-	-	4.6	4.6	1500
11	Inchkeith	190	1028.7	-6	S	2	bc	41	95	7	5	-	-	2.3	2.3	800
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1021.6	-4	S	7	r	49	65	6	6	-	-	10	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1026.0	-10	S	5	bc	47	85	8	5	1	-	4.6	4.6	2500
16	Lerwick	54	1028.7	-8	S	4	bc	47	85	7	5	-	-	4.6	4.6	1500
17	Blacksod Point	18	1018.6	-6	SSE	4	rr	49	95	6	6	-	-	10	10	1150
18	Malin Head	52	1021.4	-24	SSE	6	c	47	95	6	5	1	-	2.3	10	2500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1021.3	-14	S'E	S	o	52	95	7	3	-	-	10	10	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1028.0	+2	-	0	F	37	95	1	5	-	-	10	10	150	1	*
Croydon	1028.1	+2	-	0	bcf	32	95	3	-	3	-	0	4.6	-	1	*
S. Farnborough	1027.8	0	E	3	f	35	95	2	5	-	-	10	10	220	1	*
Winchester	1027.4	-2	E	2	of	36	95	3	5	-	-	10	10	150	1	*
Boscombe Down	1027.1	-2	E	3	f	36	95	3	5	-	-	10	10	150	1	*
Calshot, (S'thmtn)	1027.1	-2	NE	3	c	38	95	4	-	7	-	0	9+	-	0	1
Dungeness	*	*	E	2	c	*	*	6	4	7	*	7-8	9	1500	*	0
Lympne	1027.0	0	NE'N	3	c	40	95	5	5	-	-	9+	9+	4000	1	*
Shoeburyness	1028.4	+4	WNW	1	bc	37	95	5	5	-	-	4.6	4.6	4000	1	*
Felixstowe	1028.4	0	E'S	2	c	47	55	8	5	-	-	9	9	4000	0	2
Gorleston	1027.9	0	ESE	1	cr	44	95	7	6	-	-	10	10	1500	0	2
Cranwell	1028.7	0	E	1	bf	31	95	2	-	-	1	0	Tr	-	1	*
Birmingham	1027.6	-4	ESE	2	bc	40	95	5	5	-	2	2.3	4.6	450	1	*
Upper Heyford	1028.0	-2	ENE	2	F	34	95	1	5	-	-	10	10	150	0	*
Leafield	1027.3	-6	E	2	F	35	95	1	5	-	-	10	10	150	1	*
Ross-on-Wye	1026.3	-6	E	2	c	41	95	5	-	-	6	0	9	-	1	*
Portland Bill	1025.5	-2	NE	3	c	48	75	6	5	2	-	7-8	10	1500	0	3
Plymouth	1025.3	-10	NE	2	c	39	85	6	5	7	-	2-3	7-8	1500	1	0
Falmouth	1025.5	-4	NE	1	c	39	95	6	5	7	-	4-6	9+	1500	0	1
Scilly (St. Mary's)	1024.0	-4	S'E	3	c	48	85	7	8	7	-	4-6	9+	4000	0	2
Guernsey	1025.2	-4	-	0	c	47	85	6	8	-	-	10	10	2500	0	3
Pembroke	1024.0	-4	E	2	bc	48	95	7	5	7	-	2-3	4-6	1500	0	2
Holyhead	1024.6	-8	SE'S	3	c	45	75	6	-	7	-	0	9+	-	1	1
Chester (Sealand)	1027.3	-6	SE	1	of	41	95	3	5	-	-	10	10	2500	1	*
L'pool (Bidston)	1028.9	-6	ESE	3	of	43	85	3	5	-	-	10	10	1500	0	*
Harrogate	1029.0	0	-	0	c	35	95	4	5	-	-	10	10	150	1	*
Spurn Head	1028.4	0	-	0	c	44	95	6	5	3	-	2-3	9	1500	5	1
Catterick	1028.6	-6	-	0	cf	29	95	3	-	7	-	0	9+	-	4	*
Tynemouth	1027.9	+4	W	1	bcf	37	95	3	5	-	-	4-6	4-6	800	0	2
Inchkeith	1027.0	-10	SE	3	c	40	85	6	5	4	-	9	9+	800	0	2
Leuchars	1026.3	-10	SW	1	c	35	95	6	5	-	2	1	7-8	4000	4	*
Renfrew	1025.4	-12	ESE	3	c	40	85	6	5	-	-	10	10	2500	1	*
Eskdalemuir	1027.1	-8	S	2	c	37	95	7	5	-	-	9+	9+	4000	1	*
Tiree	1018.9	-14	SSE	6	dd	47	85	6	6	2	-	9	10	1500	1	4
Stornoway	1018.0	-14	S	7	r	49	85	6	6	2	-	7-8	10	2500	1	5
Dalwhinnie	1024.6	-4	S	4	c	37	85	8	4	1	-	4-6	7-8	2500	0	*
Aberdeen	1026.6	-6	SW	2	c	44	85	6	5	-	-	10	10	2500	1	1
Wick	1022.9	-16	SSE	7	c	47	75	8	8	4	3	7-8	9+	2500	0	4
Lerwick	1026.2	-14	S	4	c	48	85	7	8	-	-	7-8	7-8	1500	0	*
Blacksod Point	1014.9	-20	SSE	5	cq	56	95	6	9	-	-	10	10	150	0	4
Malin Head	1017.3	-28	S	6	rr	45	95	6	6	2	-	7-8	10	1500	1	48
Aldergrove	1022.6	-10	SEE	3	cr	45	85	6	6	2	-	9	10	1500	1	*
Donaghadee	1023.2	-6	WSW	2	c	47	75	7	8	3	-	4-6	7-8	2500	0	1
Birr Castle	1019.8	-12	S	2	c	46	85	7	8	-	-	7-8	7-8	1500	1	*
Valentia Obsy.†	1017.3	-18	S	5	r	52	95	7	6	-	-	10	10	1500	1	4
Roches Point	1021.0	-8	SW	3	c	50	85	8	3	-	-	9	9	2500	0	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 16th Hrs. (36)
London (Kew)	48	34	26	-	Tr	0.0
Croydon	48	32	27	-	Tr	0.0
S. Farnborough	46	35	27	-	0.1	0.1
Winchester	47	36	33	-	-	+
Boscombe Down	47	35	36	-	Tr	1.4
Calshot, (S'thmtn)	49	37	33	-	-	*
Dungeness	50	41	*	-	-	4.6
Lympne	48	35	30	-	-	3.8
Shoeburyness	51	35	31	-	Tr	3.7
Felixstowe	50	44	38	-	-	3.9
Gorleston	50	43	39	-	Tr	0.0
Cranwell	48	31	26	-	0.1	0.0
Birmingham	46	40	34	-	-	+
Upper Heyford	46	33	27	-	-	1.2
Leafield	45	33	29	-	-	1.1
Ross-on-Wye	47	41	37	-	-	*
Portland Bill	49	45	*	-	-	5.2
Plymouth	49	38	33	-	-	5.5
Falmouth	50	38	*	-	-	7.2
Scilly (St. Mary's)	54	44	*	-	-	4.4
Guernsey	51	46	41	-	-	3.1
Pembroke	49	42	*	-	-	1.5
Holyhead	50	43	37	-	-	0.0
Chester (Sealand)	47	40	36	-	-	0.0
L'pool (Bidston)	46	42	38	-	-	0.0
Harrogate	45	33	27	-	-	0.0
Spurn Head	49	43	*	-	-	+
Catterick	47	29	25	-	-	*
Tynemouth	48	36	30	-	-	2.9
Inchkeith	48	40	36	-	-	2.3
Leuchars	43	33	25	-	-	0.0
Renfrew	37	31	29	0.1	-	2.1
Eskdalemuir	44	31	25	-	-	0.1
Tiree	49	47	44	-	0.4	0.0
Stornoway	49	47	*	-	0.5	2.7
Dalwhinnie	42	35	28	-	-	2.0
Aberdeen	47	41	35	-	0.2	*
Wick	47	46	*	-	-	2.8
Lerwick	50	46	*	-	-	*
Blacksod Point	51	(49)	*	-	3	1.8
Malin Head	49	45	*	-	2	2.7
Aldergrove	49	40	36	Tr	Tr	*
Donaghadee	50	43	*	-	-	3.3
Birr Castle	48	40	30	-	0.3	0.4
Valentia Obsy.†	52	50	47	Tr	1	*
Roches Point	51	49	*	Tr	-	

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.	Yesterday.	To-day.	
Kew	18	cmwcf	cfom	ombcf	48	34	26	-	Tr	0.0	*	*	3
Croydon	217	cmff	cfbom	cmbfcw	48	32	27	-	Tr	0.0	*	*	1
Greenwich (Royal Observatory)	149	om	cbm	bmxfc	48	29	25	-	Tr	0.0	69	100	2
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Park)	27	*	*	*	51	40	35	-	-	0.0	67	91	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square	110	o	oco	*	47	37	30	-	-	*	*	98	*
Kensington	80	co	co	*	47	37	29	-	Tr	0.0	At 18h. 80	97	*
Hampstead Observatory	450	op	of	*	46	35	29	Tr	0.1	0.0	*	100	*

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 16th November Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 17th November 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	1025.5	NNE	3	b	43	1025.9	N	2	F	32	50	32	-	-
Brussels	1028.3	NE	4	b	39	1027.4	ENE	3	c	37	48	37	-	-
Berlin	1029.4	NNW	2	c	41	1026.3	W	1	c/r	37	43	37	-	Tr
Zürich	1024.9	E	1	c	43	1024.2	ESE	1	c	41	45	39	-	-
Rome	1018.5	E	2	o	57	1022.3	NE	2	c	52		43		-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre. 24 hrs. ended 7h. G.M.T. 17th

South Kensington Max.	Time.	Min.	Time.
1.3	10h.-11h. 16th	0.6	3h.-4h. 17th

Kew Observatory Max.	Time.	Min.	Time.
1.1	22h. 16th	0.3	6h. 17th

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

Wednesday, 18th November 1931.

No. 25563

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1027.0	-10	E'S	2	cf	46	75	3	-	9	9	0	9	-
	Croydon	1026.8	-8	NE	1	c/f	44	85	4	5	3	9	4-6	9+	5700
	S. Farnborough	1027.3	-2	ESE	1	c	44	85	5	-	3	-	0	9+	-
	Winchester	1026.4	-10	SE'S	3	c	45	85	6	5	3	-	2-3	9+	5700
	Boscombe Down	1026.6	-6	ESE	2	c	40	95	5	5	-	-	9+	9+	5700
	Calshot, S'thmtn	1027.1	-4	E'N	2	c	46	85	5	5	3	-	1	9+	2500
	Dungeness	*	*	E	2	c	*	*	6	1	3	*	2-3	9	2500
	Lympne	1026.2	-8	E'S	3	c	45	75	6	5	7	-	2-3	9+	4000
2	Shoeburyness	1027.6	0	-	0	c	45	85	5	5	2	-	9	10	4000
	Felixstowe	1027.9	-6	E'S	3	c	47	85	8	7	1	5	4-6	9	4000
	Gorleston	1027.6	-4	SE'S	3	c	46	95	6	7	-	-	9	9	2500
	Cranwell	1027.8	-6	-	0	c	42	95	5	5	2	-	7-8	10	5700
3	Birmingham	1026.8	-8	SE	2	c	42	95	5	-	5	-	0	9	-
	Upper Heyford	1027.9	-2	E'N	2	c	41	95	4	5	3	-	4-6	7-8	450
	Leafield	1026.6	-4	SE'E	2	c	41	95	4	5	-	-	9+	9+	4000
4	Ross-on-Wye	1025.7	-6	S'E	2	c	42	75	6	5	3	9	2-3	7-8	2500
5	Portland Bill	1025.0	-8	E	4	c	49	85	6	5	2	-	7-8	10	1500
	Plymouth	1024.2	-10	ENE	2	c	50	75	6	5	3	-	2-3	7-8	2500
	Falmouth	1024.2	-6	SE'E	4	c	52	75	7	5	3	-	4-6	7-8	4000
	Scilly (St. Mary's)	1023.5	-12	S	4	bc	53	75	6	2	7	9	1	4-6	4000
	Guernsey	1025.1	-6	S	3	o	48	75	6	5	-	-	10	10	1500
6	Pembroke	1023.7	-6	S	3	c	49	95	6	-	7	-	0	7-8	-
7	Holyhead	1023.2	-12	SSE	4	c	49	75	6	-	7	-	0	9+	-
	Chester (Sealand)	1026.1	-10	SE'S	3	c	45	85	5	-	3	-	0	9+	-
8	L'pool (Bidston)	1025.7	-8	SE'E	4	c	44	85	5	5	-	-	9+	9+	1500
9	Harrog.	1027.4	0	S	1	c	42	95	4	5	5	-	1	9	<150
10	Spurn Head	1027.4	-2	SW'W	1	c/pr	46	95	6	5	3	-	4-6	9+	2500
	Catterick	1027.2	-12	S	2	c	42	95	4	-	3	-	0	7-8	-
	Tynemouth	1026.7	-10	SW	1	cf	44	95	3	5	4	-	4-6	7-8	1500
11	Inchkeith	1026.1	-6	E	3	c	43	85	8	5	7	9	4-6	9	2500
	Leuchars	1025.4	-8	SSE	3	c	45	75	7	-	3	-	0	9+	-
12	Renfrew	1024.4	-12	SE'E	3	c	45	75	6	5	2	-	7-8	10	4000
	Eskdalemuir	1025.2	-12	S'E	4	c	43	75	7	-	-	9	0	9	-
13A	Tiree	1017.8	-10	SSE	7	r.r.	48	95	6	6	2	-	7-8	10	800
13B	Stornoway	1016.6	-6	S	7	ir.	47	95	6	6	-	-	10	10	800
15	Dalwhinnie	1021.9	-4	SSE	4	c	40	75	6	5	2	-	4-6	10	800
	Aberdeen	1024.7	-14	S'W	4	c	47	75	7	1	7	-	2-3	9+	2500
	Wick	1020.8	-14	SSE	8	c	47	75	8	8	3	-	7-8	9+	2500
16	Lerwick	1023.8	-12	S	5	c	49	75	7	5	-	-	9+	9+	1500
17	Blacksod Point	1012.5	-12	S	5	ir	52	95	7	6	-	-	10	10	<150
18	Malin Head	1017.2	-14	S'E	5	rr	45	95	5	6	2	-	9+	10	1500
	Aldergrove	1021.5	-8	SE	3	c/r	47	85	6	6	2	-	4-6	10	1500
	Donaghadee	1021.7	-8	S	4	r.r.	47	85	7	6	-	-	9	9	800
19	Birr Castle	1018.2	-16	S	4	r.r.	48	95	6	6	-	-	10	10	1500
20	Valentia Obsy.	1014.9	-16	SSE	6	rr	52	95	6	6	-	-	10	10	800
	Roches Point	1018.7	-18	SW	5	c	53	85	8	6	-	-	9	9	1500

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

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)	1027.0	+4	ESE	2	f	44	85	2	5	-	-	10	10	<150	1	*
	Croydon	1026.3	0	E'N	2	cf	42	95	3	5	7	-	4-6	10	4000	1	*
	S. Farnborough	1026.5	+2	ESE	1	cf	42	85	3	-	3	-	0	9+	-	1	*
	Winchester	1026.4	+6	E'S	2	c	43	95	6	5	-	-	10	10	2500	1	*
	Boscombe Down	1025.7	0	ESE	1	c	42	95	5	5	-	-	9+	9+	5700	1	*
	Calshot, S'thmtn	1025.8	-2	SE	3	c	48	65	7	-	7	-	0	10	-	0	2
	Dungeness	*	*	NE	2	c	*	*	7	5	2	*	7-8	9	4000	*	0
	Lympne	1025.9	+2	NE'N	3	c	40	75	6	5	7	-	2-3	10	4000	1	*
2	Shoeburyness	1027.2	0	NE	3	c	44	75	8	5	-	-	9+	9+	4000	0	*
	Felixstowe	1027.7	0	E'S	3	c	44	65	8	5	-	-	7-8	7-8	2500	0	2
	Gorleston	1027.7	-4	SW	1	c	44	75	6	7	-	-	9	9	2500	0	2
	Cranwell	1027.3	+4	SE'S	1	c	39	95	4	5	-	-	10	10	4000	1	*
3	Birmingham	1026.1	-4	SSE	1	c	41	95	5	-	7	-	0	9+	-	1	*
	Upper Heyford	1027.1	-2	ESE	2	c	41	95	4	5	-	-	9+	9+	4000	0	*
	Leafield	1026.0	+2	SE	2	c	40	95	5	5	-	-	10	10	4000	1	*
4	Ross-on-Wye	1025.0	-4	W	1	c	42	85	5	5	-	-	10	10	2500	1	*
5	Portland Bill	1024.5	+6	SE	4	c	50	65	6	5	2	-	7-8	10	1500	0	3
	Plymouth	1022.6	+2	SE	3	c	49	85	6	5	3	-	9	10	2500	1	1
	Falmouth	1023.4	-2	SW'S	3	c	49	85	7	5	7	-	4-6	7-8	4000	0	2
	Scilly (St. Mary's)	1022.1	-2	S'E	4	c	50	85	6	2	1	-	4-6	9+	4000	0	2
	Guernsey	1024.7	0	-	0	o	47	75	6	5	-	-	10	10	1500	0	2
6	Pembroke	1021.6	-10	SSE	3	c	51	95	6	-	1	-	0	7-8	-	0	2
7	Holyhead	1021.3	-10	SSE	4	o	48	75	6	5	-	-	10	10	2500	1	2
	Chester (Sealand)	1024.6	-2	SE	3	bc	41	85	5	-	3	-	0	4-6	-	1	*
8	L'pool (Bidston)	1024.1	-4	SE	4	bc	41	85	6	5	8	1	2-3	4-6	2500	0	*
9	Harrog.	1026.2	0	S	1	o	39	95	4	5	-	-	10	10	<150	1	*
10	Spurn Head	1026.7	-2	S'W	3	c	45	85	6	5	7	-	7-8	9+	2500	0	2
	Catterick	1025.6	-6	SSE	1	c	39	95	4	-	7	-	0	10	-	1	*
	Tynemouth	1025.5	-4	S	2	o	44	85	6	6	-	-	10	10	1500	0	2
11	Inchkeith	1023.6	-8	SE	3	o	44	75	7	5	-	-	10	10	1500	0	3
	Leuchars	1022.9	-14	SE	4	c	43	75	7	-	7	-	0	9+	-	1	*
12	Renfrew	1021.9	-14	SSE	3	o	44	75	6	5	-	-	10	10	2500	1	*
	Eskdalemuir	1023.3	-10	S	3	c	40	85	7	-	2	-	0	10	-	1	*
13A	Tiree	1014.8	-16	SE'S	7	rr	47	95	6	6	2	-	7-8	10	800	1	4
13B	Stornoway	1014.4	-4	S	7	ir.	48	95	5	6	-	-	10	10	800	1	5
15	Dalwhinnie	1019.6	-8	SSE	4	c	40	65	5	4	2	-	7-8	10	2500	0	*
	Aberdeen	1023.2	-6	S'E	5	c	47	65	7	5	7	-	2-3	7-8	2500	1	2
	Wick	1019.9	-4	S	8	c	46	65	8	5	7	8	4-6	9	2500	0	4
16	Lerwick	1022.5	0	S	8	c	47	85	7	5	-	-	7-8	7-8	1500	0	*
17	Blacksod Point	1009.2	-20	S	6	u	54	95	7	9	-	-	10	10	<150	1	5
18	Malin Head	1013.1	-10	SSE	5	r.r.	46	95	5	6	2	-	9+	10	1500	1	3
	Aldergrove	1018.5	-16	SE	4	r.r.	47	95	6	6	-	-	10	10	800	1	*
	Donaghadee	1019.6	-8	S	4	ir.	48	85	7	6	-	-	9	9	800	1	3
19	Birr Castle	1015.3	-12	SSE	4	rr	49	95	7	6	-	-	10	10	1500	1	*
20	Valentia Obsy.	1011.6	-18	S'E	6	rr	53	95	6	6	-	-	10	10	800	1	5
	Roches Point	1016.3	-14	SW	6	rr	52	95	7	6	-	-	10	10	1500	1	6

PAST 24 HOURS.

Stations.	Weather. 7h.–13h. 17th. (37)	13h.–18h. 17th. (38)	18h. 17th. to 1h. 18th. (39)	1h.–7h. 18th. (40)
London (Kew)	ofcf	cfof	ofcm	o3.w
Croydon	bofbcfm	cmf	cffm.	cm.
S. Farnborough	ofecm	cm.3f	cfwcm	cmwcm
Winchester	ofcm.	cm.	cm.	cm.pm.d.
Boscombe Down	ofcm.	cm.	cm.	cm.cr.
Calshot, S'thmtn	ofcm.	cm.	cm.	c
Dungeness	bc	bc	*	bc
Lympne	cm.	cm.	cm.	cm.
Shoeburyness	bcm.cm	cm.r.c	cbcx	c
Felixstowe	cr.	cbc	cbcb	c
Gorleston	oir.c	c	cm.bc	bccqu
Cranwell	Fcm.	cw.	cmbw	bcwc
Birmingham	bcc	c	c	cor.
Upper Heyford	FFec	cm.m	cmw	cm.
Leafield	FFc	c	c	cir.
Ross-on-Wye	bcz3bz3	cz3om	cm.om	omr.od.
Portland Bill	ocm.3.	cz3.	ccpr.	c
Plymouth	bccf	bccm.	cm.	bc
Falmouth	cbcm.	bc	bcc	cq
Scilly (St. Mary's)	cbc	bcc	c	cbcc
Guernsey	co	co	o	oc
Pembroke	cz3.	cz3	q	oupr
Holyhead	cm.	ir.m.	r.cq	irq
Chester (Sealand)	ffcm.	cbcm.	cr.r	rr
L'pool (Bidston)	ofcm.	cm.bc	or.r	orr
Harrog.	fmoc	com	oc	oc
Spurn Head	bc	bc	bc	cbcc
Catterick	fmc	cmm.	cm	cmo
Tynemouth	bccff	cif	o	oq
Inchkeith	c	co	corr	orr
Leuchars	bcxm.c	cbcc	co	orrRm.
Renfrew	cm.	cmom.	o.ir.	o.rr.o
Eskdalemuir	c	c	cerr	crr
Tiree	r r.r.	cr.r	rDD	Dndr
Stornoway	cir	cir.	orr	orr
Dalwhinnie	c	c	*	rr
Aberdeen	c	c	c	cq
Inchkeith	c	c	c	cr.r
Leuchars	cir	cp.r	coir	cir.
Renfrew	irq	irq	irq	prc
Eskdalemuir	crrm.m	cr.m.m	cdrdrm.	cdrdrm.
Tiree	cr.r.	or r.r.	or.rrr	orr
Stornoway	cr.r.	cir.	cir.q	rrqm.
Dalwhinnie	cor.r.	orr	oir	oirqR
Aberdeen	crr	crr	rro	rrir
Inchkeith	cp.c	corr	orr	orr

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

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

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.
3 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "t r" signifies a small amount of cloud (trace) covering less than 1/10 of the sky. "9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29.—STATE OF GROUND.

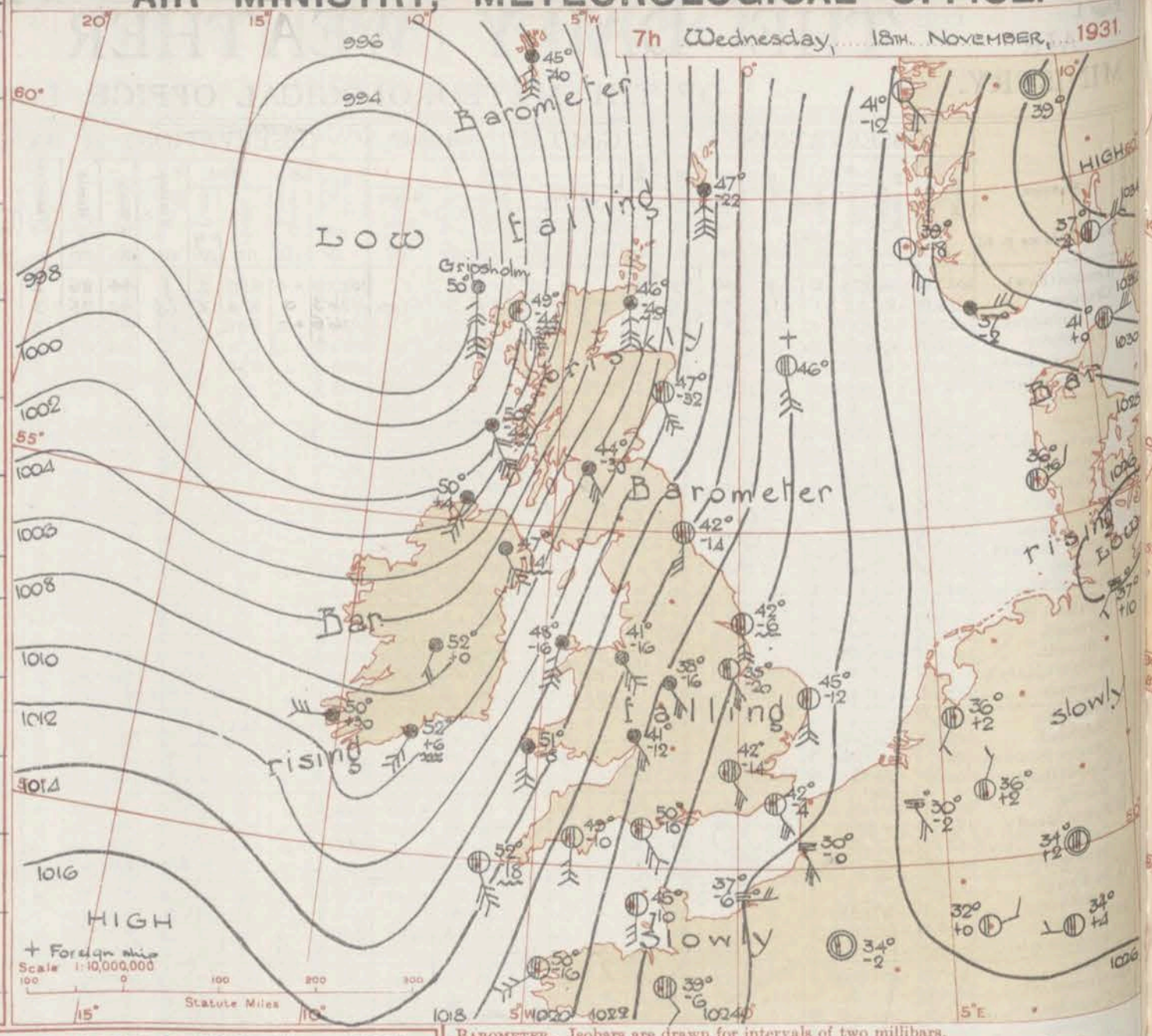
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 17th November 1931.

Districts	Stations.	Weather. Forenoon.	Weather. Afternoon.	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 Sunset. 17th
1	Tunbridge W.	cbc	bmc	29	47	-	-	1.4
	Bournemouth	o	o	39	47	-	-	0.0
	Ventnor ...	ocoz	oz	41	48	-	-	0.1
	Southsea ...	oc	cb	36	48	-	-	1.0
	Bognor Regis	cbcc	c	37	48	-	-	0.1
	Littlehampton	bcc	c	37	48	-	-	0.0
	Worthing ...	o	co	37	49	Tr	-	0.6
	Brighton ...	cbc	oc	38	48	-	-	0.8
	Eastbourne†	c	c	37	48	-	-	1.5
	Hastings† ...	cmbcc	co	38	48	Tr	-	1.3
	Folkestone ...	wbbc	bcc	40	47	-	-	2.2
	Dover... ...	bcc	cbc	41	49	-	-	2.4
	Deal	obco	o	42	47	-	-	0.3
	Ramsgate ...	bcc	c	42	47	-	-	0.3
	Margate ...	cdo	bcc	42	47	-	Tr	0.5
2	Southend ...	ocff	ocmfg	38	44	Tr	-	0.1
	Maldon ...	xmc	go	32	46	-	-	0.0
	Clacton-on-Sea	c	c	45	49	-	-	0.4
	Dovercourt ...	bc	bc	41	52	-	-	0.5
	Lowestoft ...	proc	cbcc	35	47	0.2	-	3.6
	Skegness ...	omo	omo	37	47	Tr	-	0.0
	Mablethorpe	wom	o	33	47	-	Tr	0.0
	Cleethorpes ...	cf	coro	35	46	-	0.3	0.0
3	Leamington S.	bcm	o	36	45	-	-	0.0
4	Cheltenham†	cmbcc	com	37	44	-	-	1.1
5	Bath	c	c	39	42	-	-	0.0
	Weymouth ...	moc	coec	42	48	-	-	0.0
	Jersey ...	cbc	bcc	42	50	-	-	2.7
	Torquay ...	cm	cuo	39	51	-	-	0.0
	Penzance ...	cf	cbc	38	53	-	-	1.7
	St. Ives ...	c	c	41	52	-	-	0.1
	Bude	wccbc	bcc	31	51	-	-	2.0
	Ilfracombe ...	co	oc	41	51	-	-	0.3
6	Aberystwyth	ccmo	cmo	41	48	-	-	0.9
7	Llandudno ...	c	c	41	48	-	-	0.6
	Colwyn Bay...	cbcc	bcco	41	48	-	-	1.5
	Rhyl	cmbcc	cmo	39	48	-	-	0.4
8	Wallasey ...	ocbcc	cbc	42	45	-	-	0.2
	Southport‖ ...	coc	oco	40	46	-	-	0.0
	Blackpool ...	oc	co	39	46	-	-	0.0
	Morecambe ...	c	cbcc	41	46	-	-	0.1
9	Ilkley... ...	fc	fc	33	46	-	-	0.0
10	Berwick-on-T.	o	o	32	45	-	-	0.0
11	Dunbar ...	cmo	bcmo	38	48	-	-	0.7
12	Douglas ...	o	c(r)	46	48	-	0.5	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 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. 18th Nov. 1931.

Districts.	Forecasts
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Fresh or strong winds between south and west; mainly dull, some rain; mild.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Fresh or strong winds between south and west, stronger locally; dull, some rain; mild.
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	Strong winds between south and west, reaching gale force at times; dull, some rain; mild.

GENERAL INFERENCE.

Depressions crossing the country from the west will maintain mild unsettled conditions generally with some rain and strong winds in most districts.

FURTHER OUTLOOK.

Unsettled.

Times of issue of Gale Warnings.

South Cone at 0800 17th in districts 13, 15, 16, 17, 18, 19 and 20.

South Cone at 0815 on 18th in districts 11 and 12.

Forecasts issued at

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

Wednesday, 18th November 1931.

No. 25563

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

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	1025.1	-10	SE'E	3	c	41	75	7	5	7	-	2-3	10	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1024.3	-14	E'N	4	c	44	85	7	-	7	-	0	10	-
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1025.2	-4	E'S	1	c	39	85	6	-	7	7	0	9+	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1025.7	-6	S'E	3	bc	39	85	7	4	-	-	4-6	4-6	2500
	Cranwell	240	1025.3	-6	SE'S	2	c	35	95	5	-	-	6	0	7-8	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1023.0	-12	SE	4	c/pr	48	75	7	4	2	-	7-8	10	1500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1021.2	-2	S'W	5	c	51	75	7	5	-	-	9	9	4000
	Scilly (St. Mary's)	163	1018.7	-10	S'E	6	c	50	75	7	5	-	-	9+	9+	4000
	Guernsey	175	1022.9	-14	SSE	3	o	46	85	6	5	-	-	10	10	2500
6	Pembroke	142	1017.8	-16	S'E	4	q	51	95	7	6	-	-	10	10	800
7	Holyhead	26	1016.3	-22	S'E	6	ir.	49	85	6	5	2	-	9+	10	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1024.8	-2	SSW	3	c	41	85	7	5	2	-	7-8	9+	4000
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	67	1022.6	-12	S	3	o	43	85	7	6	-	-	10	10	1500
11	Inchkeith	190	1020.1	-24	S	3	ir	43	85	6	6	-	-	10	10	1500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1009.5	-28	S	7	r.o.	49	85	5	6	-	-	10	10	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1016.1	-16	S	8	c	46	65	7	5	1	8	7-8	7-8	2500
16	Lerwick	54	1020.4	-20	S	8	ir.	46	95	6	6	-	-	10	10	800
17	Blacksod Point	18	997.9	-50	S	8	ir	53	95	6	9	-	-	10	10	<150
18	Malin Head	52	1005.9	-36	SSE	5	dr	48	95	5	6	2	-	9+	10	1500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1008.6	-26	S	7	rr	54	95	7	6	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1022.1	-22	SE'S	3	o	43	75	6	5	-	-	10	10	1500	1	*
	Croydon	1022.4	-14	SE'S	3	c	42	75	6	5	-	-	10	10	2500	1	*
	S. Farnborough	1021.7	-18	SE	2	c	41	85	4	5	2	-	7-8	10	4000	1	*
	Winchester	1021.4	-14	ESE	2	cd.	40	95	6	5	-	-	10	10	1500	1	*
	Boscombe Down	1021.3	-14	S'W	3	ir.	41	85	6	5	-	-	10	10	1500	1	*
	Calshot (S'thmtn)	1022.0	-16	SE	4	c	47	75	7	5	2	-	7-8	10	2500	0	3
	Dungeness	*	*	SE	2	c	*	*	6	8	1	*	7-8	9	4000	*	0
	Lympne	1023.2	-4	SE	3	c	42	75	6	1	1	7	2-3	9+	2500	1	*
2	Shoeburyness	1023.7	-10	SE'S	2	c	42	85	7	5	7	6	2-3	9+	4000	0	*
	Felixstowe	1024.3	-8	SSE	3	c	44	75	8	5	2	-	7-8	10	2500	0	2
	Gorleston	1023.4	-12	S	5	c	45	85	6	8	-	-	9	9	1500	0	3
	Cranwell	1021.8	-20	SE	3	c	35	95	5	-	2	-	0	10	-	1	*
3	Birmingham	1020.6	-16	SSE	3	r.r.	38	95	6	6	-	-	10	10	1500	1	*
	Upper Heyford	1021.3	-18	SE	3	c	40	85	6	5	-	-	10	10	2500	0	*
	Leafield	1020.8	-20	SE'S	4	ir.	38	95	7	5	2	-	2-3	10	4000	1	*
4	Ross-on-Wye	1019.6	-12	SE	3	dd.	41	85	6	5	-	-	10	10	1500	1	*
5	Portland Bill	1019.9	-16	SE	4	c	50	75	7	5	2	-	7-8	10	1500	0	3
	Plymouth	1018.6	-10	S	5	c	49	85	6	5	2	-	4-6	10	1500	1	3
	Falmouth	1017.4	-8	S'E	6	c	49	75	7	5	7	-	4-6	9	4000	0	3
	Scilly (St. Mary's)	1014.6	-18	S'E	6	c/pr	52	95	6	8	-	-	9+	9+	2500	1	4
	Guernsey	1021.0	-10	S	3	c	45	85	6	8	-	-	10	10	2500	0	3
6	Pembroke	1014.2	-8	S	5	pr.	51	95	7	6	-	-	10	10	800	0	3
7	Holyhead	1013.0	-16	S'E	7	r.r.	48	85	6	6	2	-	1	10	800	1	3
	Chester (Sealand)	1017.9	-16	SE'S	5	ir.	41	95	6	6	-	-	10	10	1500	1	*
8	L'pool (Bidston)	1017.0	-14	SE'S	4	o/r	40	95	7	5	-	-	10	10	1500	1	*
9	Harrogate	1019.9	-20	S'W	3	c	38	85	7	-	2	-	0	10	-	1	*
10	Spurn Head	1021.2	-6	S	5	c	42	85	7	4	5	-	4-6	7-8	4000	0	4
	Catterick	1019.0	-14	S	4	pr	38	85	6	5	-	-	10	10	800	1	*
	Tynemouth	1017.9	-14	S	3	o	42	75	7	6	-	-	10	10	1500	0	2
11	Inchkeith	1013.8	-22	SSE	5	rr	43	95	7	6	-	-	10	10	1500	1	3
	Leuchars	1014.2	-22	SE	4	RR	42	95	5	5	-	-	10	10	1500	2	*
12	Renfrew	1011.3	-30	SSE	3	rr	44	95	6	6	-	-	10	10	1500	1	*
	Eskdalemuir	1014.1	-26	S'E	5	rr	39	95	6	6	-	-	10	10	1500	1	*
13A	Tiree	997.8	-44	SSE	9	Dr	50	95	6	6	2	-	9	10	800	1	4
13B	Stornoway	997.8	-44	SE	7	c	49	85	6	6	2	-	7-8	10	1500	1	5
15	Dalwhinnie	1001.5	-28	ESE	9	RR	37	95	5	6	2	-	0	10	4000	1	*
	Aberdeen	1013.5	-32	SSE	6	cq	47	65	8	5	-	-	10	10	1500	1	3
	Wick	1007.9	-40	S	8	r.r.	46	85	7	9	2	-	7-8	10	1500	1	4
16	Lerwick	1014.1	-22	S	8	ir.	47	85	7	8	-	-	9+	9+	800	1	*
17	Blacksod Point	1000.7	+52	W	5	q	49	75	7	8	-	-	9+	9+	<150	1	4
18	Malin Head	1001.2	+4	SSW	6	dr	50	95	5	6	2	-	7-8	10	1500	1	3
	Aldergrove	1006.1	-14	SE'S	6	r.r.	47	95	7	6	2	-	7-8	10	800	1	*
	Donaghadee	1008.5	-12	S'E	7	rr	48	85	6	6	-	-	10	10	800	1	4
19	Birr Castle	1007.0	0	SSW	2	rr	52	95	7	6	-	-	10	10	1500	1	*
20	Valentia Obsy.†	1009.7	+30	W	4	ir	50	95	8	6	-	-	10	10	1500	1	*
	Roches Point	1009.7	+6	SW	5	rr	52	95	7	6	-	-	10	10	1500	1	6

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 17th Hrs. (36)
1	London (Kew)	46	40	33	-	-	0.1
	Croydon	46	40	36	-	-	0.2
	S. Farnborough	45	38	32	Tr.	Tr.	0.6
	Winchester	45	39	32	-	Tr.	0.7
	Boscombe Down	43	38	36	-	Tr.	*
	Calshot (S'thmtn)	49	42	40	-	-	0.4
	Dungeness	48	42	*	-	-	*
	Lympne	46	37	33	-	-	1.8
2	Shoeburyness	46	36	30	Tr.	-	0.0
	Felixstowe	48	43	36	Tr.	-	0.6
	Gorleston	47	39	34	0.1	-	2.3
	Cranwell	43	33	29	Tr.	-	0.0
3	Birmingham	43	38	37	-	1	0.5
	Upper Heyford	43	38	35	-	-	*
	Leafield	41	36	34	-	0.1	0.0
4	Ross-on-Wye	43	41	39	-	0.6	1.5
5	Portland Bill	50	48	*	-	Tr.	*
	Plymouth	51	49	46	-	-	1.4
	Falmouth	52	45	*	-	-	0.6
	Scilly (St. Mary's)	53	49	*	-	Tr.	2.9
	Guernsey	49	45	42	-	-	0.0
6	Pembroke	51	50	*	-	Tr.	0.0
7	Holyhead	49	47	45	Tr.	1	0.2
	Chester (Sealand)	45	41	39	-	7	0.2
8	L'pool (Bidston)	45	40	39	-	5	0.0
9	Harrogate	42	38	36	-	-	0.0
10	Spurn Head	48	41	*	Tr.	-	0.0
	Catterick	42	38	37	-	Tr.	*
	Tynemouth	45	36	36	-	-	*
11	Inchkeith	45	41	39	-	7	0.3
	Leuchars	47	41	39	-	6	0.2
12	Renfrew	45	41	39	-	5	0.0
	Eskdalemuir	43	38	37	-	2	0.3
13A	Tiree	48	47	46	3	11	0.0
13B	Stornoway	50	41	*	0.5	8	0.0
15	Dalwhinnie	40	33	35	-	13	0.0
	Aberdeen	47	46	44	-	-	(0.0)
	Wick	47	45	*	-	0.5	*
16	Lerwick	49	45	*	0.1	1	0.0
17	Blacksod Point	56	47	*	7	13	*
18	Malin Head	47	46	*	17	6	0.0
	Aldergrove	47	46	43	3	11	0.0
	Donaghadee	49	47	*	3	6	*
19	Birr Castle	49	48	48	6	12	0.0
20	Valentia Obsy.†	53	49	47	36	23	0.0
	Roches Point	53	50	*	3	22	*

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon (24 hrs. ended 9h.)	Weather Night (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	bFcf	cfof	ofcmzw	46	40	33	-	-	0.1	*	*	6
Croydon	217	bcfbcfm	cmf	cffm.	46	40	36	-	-	0.2	*	*	6
Greenwich (Royal Observatory)	149	cFcf	cf	cbc	46	38	32	Tr.	-	0.0	87	84	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Park)	27	*	*	* 46	50	41	37	-	-	0.0	69	75	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square	110	f	f	*	43	40	36	-	-	*	*	81	*
Kensington	80	cofco	co	*	46	41	34	-		0.0	At 13h. 77	75	*
Hampstead Observatory	450	of	of	*	43	37	32	Tr.	Tr.	0.0	*	82	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.
2.0	13h. 17th.	0.3	1h-6h 18th

Kew Observatory Max.	Time.	Min.	Time.
1.3	18h. 17th.	0.1	2h. 18th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 17th November Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 18th November 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	1025.5	NE	2	bc	37	1025.3	-	0	bc	37	45	34	-	-
Brussels	1026.7	ENE	2	bc	36	1026.3	SE	2	bc	30	41	28	-	-
Berlin	1024.7	W'S	2	d.d.	39	1026.6	-	0	c	37	41	36	0.1	0.2
Zurich	1025.2	NW	1	d.d.	39	1022.3	SW	1	c	37	43	37	3	0.1
Rome	1027.3	S			57	1021.1	S	5	o	61	64	54	-	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.

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.

† Valentia observations are from Valentia W/T station.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 19th November 1931.

No. 25564

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

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	-16	SSE	2	r₀r₀	45	85	4	6	-	-	10	10	1500
	Croydon	1020.3	-18	S	2	r₀r₀	45	85	5	5	2	-	9+	10	1500
	S. Farnborough	1019.3	-18	S'E	3	r₀r₀	45	95	4	5	2	-	7-8	10	2500
	Winchester	1018.5	-20	S'E	4	o	45	85	7	5	-	-	10	10	5700
	Boscombe Down	1017.9	-24	SSE	3	ir₀	44	85	6	5	-	-	10	10	2500
	Calshot, S'thmtn	1019.6	-18	SE	4	ir₀	47	85	6	5	7	-	2-3	10	2500
	Dungeness	*	*	SSE	4	c	*	*	6	8	2	*	4-6	9+	1500
	Lympne	1021.9	-6	S'W	4	c	46	75	4	6	-	-	10	10	1500
2	Shoeburyness	1021.4	-18	SSE	3	o	46	85	6	5	-	-	10	10	2500
	Felixstowe	1022.2	-12	S	4	c	46	75	7	5	1	-	7-8	10	2500
	Gorleston	1021.3	-10	SSW	4	c	45	75	6	5	2	-	4-6	10	1500
	Cranwell	1019.4	-18	SE'S	3	r₀r₀	40	95	5	5	-	-	10	10	800
3	Birmingham	1017.3	-20	SSE	3	o	42	85	5	6	-	-	10	10	1500
	Upper Heyford	1018.8	-20	SE	3	ir₀	42	95	5	6	2	-	7-8	10	1500
	Leafield	1017.6	-20	SE'S	4	ir₀	41	95	6	5	-	-	10	10	2500
4	Ross-on-Wye	1016.4	-20	S	4	c	46	75	6	6	2	-	1	10	2500
5	Portland Bill	1017.1	-20	S'W	4	c	51	85	8	4	-	-	10	10	1500
	Plymouth	1015.5	-22	S	5	ir₀	52	95	6	6	-	-	10	10	800
	Falmouth	1013.4	-12	SSW	7	rr	52	95	6	6	-	-	10	10	2500
	Scilly (St. Mary's)	1014.1	-4	NW'W	4	r₀r₀	50	95	7	6	2	-	9	10	2500
	Guernsey	1018.5	-16	S	3	o	50	95	6	5	-	-	10	10	1500
6	Pembroke	1012.5	-10	SW	2	pr	50	95	4	6	2	-	7-8	10	800
7	Holyhead	1012.2	-6	SSW	5	iR	48	95	5	6	2	-	9+	10	800
	Chester (Sealand)	1014.3	-30	SE	4	c	44	85	6	5	2	-	4-6	10	1500
8	L'pool (Bidston)	1014.0	-24	SE	5	ir₀	43	85	6	5	-	-	10	10	1500
9	Harrogate	1017.7	-10	S	2	rf	38	95	3	6	-	-	10	10	<150
10	Spurn Head	1019.3	-6	S	5	o	43	85	6	5	-	-	10	10	2500
	Catterick	1016.3	-22	SSE	4	r₀r₀	38	96	6	6	-	-	10	10	800
	Tynemouth	1016.5	-10	S	4	rr	40	95	6	6	-	-	10	10	1500
11	Inchkeith	1011.0	-14	S	5	ir₀	43	85	7	6	2	-	4-6	10	800
	Leuchars	1011.9	-2	S	4	r₀r₀	42	95	6	6	2	-	4-6	10	1500
12	Renfrew	1010.0	+2	S	3	rr	46	95	6	6	2	-	9	10	1500
	Eskdalemuir	1012.4	-16	S'E	4	rr	39	95	6	6	-	-	10	10	800
13A	Tiree	1005.8	+34	SW	5	cjp	50	65	7	8	7	3	4-6	7-8	1500
13B	Stornoway	1000.4	+60	SSW	6	c	47	95	7	6	7	-	7-8	9	1500
15	Dalwhinnie	1007.8	0	S	5	RR	42	95	6	3	2	-	2-3	10	1500
	Aberdeen	1011.5	-12	SSE	5	rr	44	95	5	6	-	-	10	10	800
	Wick	1006.7	-4	SSE	8	r₀r₀	45	85	7	6	2	-	7-8	10	1500
16	Lerwick	1008.9	-24	S	9	ir	46	95	6	6	2	-	4-6	10	800
17	Blacksod Point	1008.4	+12	W	3	bc	52	75	8	3	-	-	4-6	4-6	800
18	Malin Head	1007.8	+16	SSW	4	bcjp	49	75	7	9	7	9	2-3	4-6	1500
	Aldergrove	1009.7	+14	S'W	2	cjp	47	95	8	8	2	-	4-6	9+	2500
	Donaghadee	1010.0	+8	S'W	3	rr	48	95	7	6	-	-	10	10	800
19	Birr Castle	1010.9	+18	SW	1	c	49	95	8	-	7	-	0	9	-
20	Valentia Obsy.	1012.3	+4	SSW	2	bc	52	85	9	8	2	-	1	2-3	1500
	Roches Point	1012.2	+12	W	2	o	50	95	8	5	-	-	10	10	1500

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

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)	1017.8	-16	SE'S	3	r₀r₀	44	95	5	6	-	-	10	10	1500	1	*
Croydon	1018.1	-8	SSE	3	r₀r₀	44	95	5	6	-	-	10	10	1500	1	*
S. Farnborough	1016.9	-16	SE'S	3	rr	45	95	4	5	-	-	10	10	1500	1	*
Winchester	1015.9	-18	SSE	3	rr	45	95	6	6	-	-	10	10	1500	1	*
Boscombe Down	1015.5	-18	SE	4	r₀r₀	45	95	5	5	-	-	10	10	800	1	*
Calshot, S'thmtn	1017.5	-14	SE	5	c/r	48	95	6	5	2	-	7-8	10	1500	1	2
Dungeness	*	*	SE'S	4	rr	*	*	4	6	-	*	10	10	1500	*	3
Lympne	1020.2	-8	SSE	4	rr	43	95	4	6	-	-	10	10	800	1	*
Shoeburyness	1019.6	-10	SSE	3	rr	44	95	6	9	-	-	10	10	800	1	*
Felixstowe	1020.4	-6	S'E	4	rr	45	95	6	6	-	-	10	10	1500	1	3
Gorleston	1019.8	-6	SSW	6	o	46	85	6	6	-	-	10	10	1500	0	4
Cranwell	1016.7	-20	SE'S	4	rf	41	95	3	6	-	-	10	10	450	1	*
Birmingham	1014.3	-16	SSE	4	ir₀	43	95	6	6	-	-	10	10	1500	1	*
Upper Heyford	1015.8	-20	SE'S	4	r₀r₀	43	95	5	6	-	-	10	10	450	1	*
Leafield	1015.0	-26	SE'S	4	ir₀	42	95	5	5	-	-	10	10	220	1	*
Ross-on-Wye	1012.4	-20	S'E	3	ir₀	47	95	5	6	-	-	10	10	1500	1	*
Portland Bill	1013.0	-14	S'E	4	r₀r₀	54	85	6	4	2	-	7-8	10	1500	1	3
Plymouth	1013.0	+4	NW	1	r₀r₀	49	95	6	6	2	-	9	10	800	1	1
Falmouth	1013.5	+8	NW	2	r₀r₀	48	95	6	5	2	-	4-6	10	4000	1	1
Scilly (St. Mary's)	1014.5	+6	NNW	2	c	47	95	8	5	-	-	9	9	4000	1	3
Guernsey	1017.3	-10	S'W	5	rr	52	96	5	6	-	-	10	10	800	1	4
Pembroke	1012.8	0	NNE	1	c	46	95	7	6	2	-	4-6	10	1500	1	2
Holyhead	1012.1	-2	S	1	ir₀	45	95	6	6	2	-	7-8	10	800	1	2
Chester (Sealand)	1013.2	-6	SE'E	3	r₀r₀	44	95	5	6	-	-	10	10	1500	1	*
L'pool (Bidston)	1012.6	-8	SE	3	rr	43	95	6	6	-	-	10	10	1500	2	*
Harrogate	1015.0	-6	SE	3	r₀r₀	39	95	4	6	-	-	10	10	<150	1	*
Spurn Head	1016.4	-8	S'E	5	rr	42	95	6	6	-	-	10	10	1500	1	4
Catterick	1014.0	-10	SSE	5	r₀r₀	40	95	4	6	-	-	10	10	450	1	*
Tynemouth	1013.8	-8	S	3	r₀r₀	41	95	6	6	-	-	10	10	1500	1	2
Inchkeith	1011.0	0	S	4	rr	44	95	7	6	-	-	10	10	1500	1	3
Leuchars	1011.9	+4	SSW	3	rr	43	95	6	6	2	-	4-6	10	800	2	*
Renfrew	1011.5	+12	SSE	2	c/r	44	95	7	5	7	-	4-6	10	2500	1	*
Eskdalemuir	1012.6	+2	SW	2	rr	40	95	6	6	-	-	10	10	800	1	*
Tiree	1007.9	+14	SSW	2	c	40	85	8	2	7	-	7-8	7-8	1500	0	3
Stornoway	1005.6	+16	SSW	2	bc	46	85	8	8	-	-	4-6	4-6	2500	1	1
Dalwhinnie	1010.7	+10	S	1	c	40	85	8	4	4	-	1	7-8	4000	1	*
Aberdeen	1011.8	+4	SW	3	rr	43	95	5	6	2	-	7-8	10	800	1	4
Wick	1008.7	+18	SSW	5	c	46	85	7	6	2	-	7-8	9	1500	1	4
Lerwick	1009.5	+6	S	8	rr	45	95	7	6	-	-	10	10	800	2	*
Blacksod Point	1007.7	-4	SW	3	rr	47	85	7	6	-	-	10	10	<150	1	3
Malin Head	1008.9	+6	SSE	3	b	42	85	8	7	-	-	Tr.	Tr.	4000	0	2
Aldergrove	1010.7	+6	S'E	2	b	42	95	7	4	-	-	Tr.	Tr.	4000	1	*
Donaghadee	1010.6	+4	WSW	2	bc	44	95	7	5	3	-	2-3	4-6	2500	1	1
Birr Castle	1011.3	0	SW	1	bc	43	95	8	3	4	-	1	2-3	2500	1	*
Valentia Obsy.	1011.7	-2	S'E	3	pr	46	85	8	6	-	-	7-8	7-8	2500	1	4
Roches Point	1012.7	+4	NW	3	bc	48	95	8	5	6	-	2-3	4-6	2500	1	4

PAST 24 HOURS — WEATHER

Stations	7h.–13h. 18th (37)	13h.–18h. 18th (38)	18h. 18th to 1h. 19th (39)	1h.–7h. 19th (40)
London (Kew)	o3₀or₀r₀m	omor₀rm	or₀rom	om₀orrm
Croydon	cm₀r₀r₀	cm₀r₀r₀	cm₀rr	cm₀RR
S. Farnborough	r₀r₀m	cr₀orm	orrm	oRr₀c
Winchester	omd₀r₀	or₀irrr	orr	orrc
Boscombe Down	oir₀m₀	or₀m₀	or₀or	orrbc
Calshot, S'thmtn	cr₀r₀m₀	cr₀r₀	crrm₀	orrRrc
Dungeness	•o	r	•	r
Lympne	cm₀	corrm	orrr₀r₀	or₀rr
Shoeburyness	com₀	or₀rr	orr	orr
Felixstowe	c	corrm₀	orrm₀	orrm₀
Gorleston	cq	coq	orrq	rrq
Cranwell	cir₀	orrf	fr₀r₀	od₀d₀c
Birmingham	or₀r₀	oir₀	orr	oc
Upper Heyford	cir₀	or₀r₀	oRR	orcf
Leafield	oir₀	oir₀	oRR	orc
Ross-on-Wye	d₀oc	cor₀	r₀orro	ocbc
Portland Bill	c	c3₀	rr	rrc
Plymouth	cm₀or₀	corrm₀	orrm₀	crm₀
Falmouth	om₀rrq	om₀rrqc	cir₀	cbcq
Scilly (St. Mary's)	or₀r₀	ir₀c	c	cbc
Guernsey	co	od₀dr	orr	orro
Pembroke	opr	ir₀	bc	bc
Holyhead	ir₀q	Rr₀r₀	ir₀m₀	bcu
Chester (Sealand)	r₀om₀	r₀r₀	orr₀m₀	cm₀
L'pool (Bidston)	ror₀q	r₀orr	rrcr₀	cbbc
Harrogate	comfrr	ofmrr	ocrr	rrc
Spurn Head	co	orr	oRr	oRdo
Catterick	om₀r₀r₀	r₀r₀mrr	orr	orrmc
Tynemouth	orrqm₀	orrm₀	orr	oir₀bc
Inchkeith	orrc	cirrro	orr	orrc
Leuchars	oRrcr₀	crrm₀	crrm₀	crrom
Renfrew	crrq	rrr₀r	cbc	bcbffx
Eskdalemuir	crFr	crirsorr	or₀	offF
Tiree	Dc	cb-b	bc	[illegible]
Stornoway	cPR	bc	bcep-	cp₀rbc
Dalwhinnie	rr	rr		bc
Aberdeen	orr	crr	orrm₀	or₀r₀c
Wick	cr₀r	crrc	cbc	bc
Lerwick	coirm₀	orr	orrm₀	orr
Blacksod Point	prc	prc	tlprq	tlprq
Malin Head	cdrbc	bcp₀b	bbc	bccp₀
Aldergrove	cr₀rrr₀	cbcb	bff	ffbcc
Donaghadee	orr	ir₀bc	bbc	cp₀r
Birr Castle	rroc	cbc	bcb	bxbcpr
Valentia Obsy.	cp₀bc	bccp₀	bprPR	PRpr
Roches Point	orro	ocbc	bcbw	bbcpbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

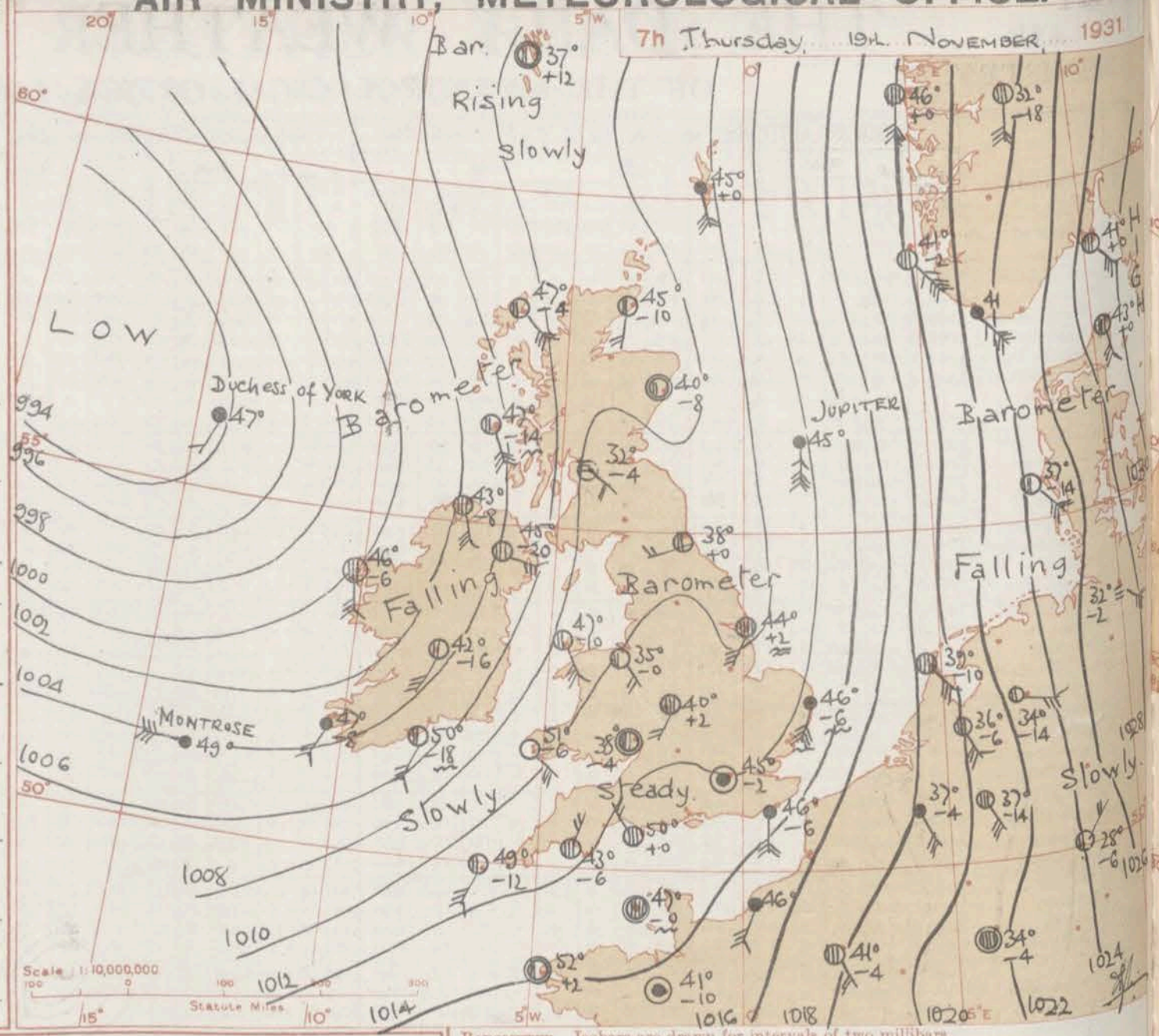
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 18th November 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 17th to 9h. 18th	Temperature. Max. 9h.—17h. 18th	Rainfall. Night. 17h. 17th to 9h. 18th	Rainfall. Day. 9h.—17h. 18th	Sunshine. Sunrise to Sunset. 18th
1	Tunbridge W.	o	or	37	45	-	2	0.0
	Bournemouth	o	ood	39	50	-	0.3	0.0
	Ventnor ...	opo3	ouor	45	48	Tr	Tr	0.0
	Southsea ...	od	om	37	48	-	0.2	0.0
	Bognor Regis	cir	oir	38	49	-	0.3	0.0
	Littlehampton	ccd₀c	ccr	45	48	-	0.2	0.0
	Worthing ...	od₀	or₀	41	49	-	0.3	0.0
	Brighton ...	or	crc	41	49	-	0.3	0.0
	Eastbourne†	o	orrir₀	42	47	-	1	0.0
	Hastings† ...	o	oor	41	47	-	1	0.0
	Folkestone ...	o	oor	41	46	-	1	0.0
	Dover... ...	o	or	43	46	-	0.4	0.0
	Deal	oc	o	40	46	-	-	0.0
	Ramsgate ...	c	co	42	46	-	-	0.0
	Margate ...	c	c	41	46	-	-	0.0
2	Southend ...	om	omr	38	45	-	1	0.0
	Maldon ...	o	or	34	46	-	2	0.0
	Clacton-on-Sea	c	cogop	43	46	-	0.1	0.0
	Dovercourt ...	oc	ocd	42	46	-	Tr	0.0
	Lowestoft ...	c	c	38	46	-	-	0.0
	Skegness ...	om₀	om₀r	42	50	-	1	0.0
	Mablethorpe	o	or	36	44	-	1	0.0
	Cleethorpes ...	o	orr	35	42	Tr	3	0.0
3	Leamington S.	opd	opr	39	44	0.3	0.4	0.0
4	Cheltenham†	ormo	oem₀	40	45	1	Tr	0.0
5	Bath	cr₀	cro/₀	40	49	0.3	1	0.0
	Weymouth ...	ccp₀	ccir₀	44	52	-	0.2	0.0
	Jersey ...	c	cr	44	50	-	2	0.0
	Torquay ...	oro m	rorm	40	53	-	1	0.0
	Penzance ...	omrr	orr	45	53	1	10	0.0
	St. Ives ...	rr	rr	46	53	Tr	14	0.0
	Bude	orr	rr	36	52	-	7	0.0
	Ilfracombe ...	o	orr	45	51	-	4	0.0
6	Aberystwyth	cm₀	cir	43	49	-	2	0.0
7	Llandudno ...	or₀o	odor₀	43	49	1	0.6	0.0
	Colwyn Bay...	ro	orr	43	47	4	3	0.0
	Rhyl	od₀o	or	42	47	4	2	0.0
8	Wallasey ...	ro	oir	41	44	7	3	0.0
	Southport‖ ...	rr	orr	41	43	5	5	0.0
	Blackpool ...	or	or	40	43	6	4	0.0
	Morecambe ...	rr or	edror	41	43	3	6	0.0
9	Ilkley... ...	rr	rr	38	46	3	12	0.0
10	Berwick-on-T.	orr	rro	39	40	3	5	0.0
11	Dunbar ...	orr	orr	40	43	5	5	0.0
12	Douglas ...	opm₀	Rrc	46	49	5	12	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 1/5 clouded. ◐ Sky 1/5 to 2/5 clouded. ◐ Sky 3/10 to 7/10 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. 19th Nov. 1931.
1. S.E. England 2. E. England.. 3. E. Midlands	Moderate variable to southerly winds; cloudy or dull, rain at times or showers; mild; local mist at night and in early morning.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Fresh winds between south and west; cloudy or dull, rain at times or showers; mild; local mist at night and in early morning.
10. N.E. England 11. S.E. Scotland	Moderate or fresh southerly winds; cloudy or dull, rain at times or showers; mild; local mist at night and in early morning.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland	Fresh southerly or southwesterly winds; cloudy, rain at times or showers; mild.
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	As 4 - 9.

GENERAL INFERENCE.

A depression off Northwest Ireland is moving slowly eastward and filling up while secondary disturbances move eastward or north-eastward round its southern boundary. Weather over the British Isles will continue mild and unsettled with rain at times or showers in most districts.

FURTHER OUTLOOK.

Unsettled and mild.

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

Forecasts issued at 0930 G.M.T.

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

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

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 19th November 1931.

No. 25564

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

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	1013.2	-26	S'W	4	o/r	48	95	6	5	-	-	10	10	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8	1013.0	-28	SSE	5	rr	50	95	6	6	-	-	10	10	1500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1016.1	-26	S	4	roro	45	95	5	6	-	-	10	10	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1015.1	-20	S'W	7	rr	45	95	5	6	-	-	10	10	800
	Cranwell ...	240	1010.5	-28	SE'S	5	roro	43	95	5	6	-	-	10	10	450
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	1012.5	-4	NW	3	rr	47	95	6	6	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1013.1	-4	W'S	2	c	47	95	8	5	-	-	9	9	4000
	Scilly (St. Mary's)	163	1013.2	-10	WSW	4	c	50	85	7	5	-	-	7-8	7-8	4000
	Guernsey ...	175	1013.0	-10	NNW	3	rr	50	95	7	6	-	-	10	10	800
6	Pembroke ...	142	1010.6	-8	SW	2	bc	51	95	7	3	7	-	4-6	4-6	1500
7	Holyhead ...	26	1010.3	-10	WSW	2	bc	47	95	7	2	-	3	2-3	4-6	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1009.8	-12	S'E	7	RR	44	95	7	6	-	-	10	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1010.4	-16	S	2	rr	42	95	6	6	-	-	10	10	1500
11	Inchkeith ...	190	1010.2	-8	SE	1	rr	42	95	7	6	-	-	10	10	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1005.9	-6	S	5	c	48	95	7	9	-	-	7-8	7-8	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1008.3	-4	SSW	3	bc	45	95	8	4	-	1	4-6	4-6	2500
16	Lerwick ...	54	1010.9	0	S'E	5	rr	45	95	6	6	-	-	10	10	1500
17	Blacksod Point	18	1001.4	-22	SW	5	PR	47	95	7	9	-	-	10	10	<150
18	Malin Head ...	52	1005.8	-16	SSE	4	bc	43	85	7	5	-	-	2-3	2-3	4000
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1005.5	-40	SSW	4	c/pr	49	95	8	9	-	-	9+	9+	800
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 19th November — 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 19th Hrs. (36)
London (Kew)...	1012.4	+10	W	1	m	46	95	4	5	7	7	4.6	10	1500	1	*	46	45 (44)	44	3	8	0.0
Croydon	1012.0	-2	-	0	roro	45	95	6	5	2	-	7.8	10	800	1	*	45	44	43	2	11	0.0
S. Farnborough	1012.3	+2	W	1	c	44	95	7	5	2	-	4.6	10	5700	2	*	45	44	41	3	11	0.0
Winchester	1012.8	+4	-	0	cfg	41	95	7	-	2	-	0	10	-	1	*	46	41	36	2	11	0.0
Boscombe Down	1012.9	+6	SW	1	c	41	95	6	5	1	-	4.6	9	4000	1	*	46	40	36	0.4	11	*
Calshot,(S'thmtn)	1012.7	-2	WSW	2	c	45	95	7	5	7	-	4.6	10	2500	1	2	49	44	41	0.4	7	0.0
Dungeness	*	*	S	6	RR	*	*	4	6	-	*	10	10	800	*	3	54	45	*	1	6	*
Lympne	1013.9	-6	S	5	iro	46	95	5	6	-	-	10	10	450	1	*	45	43	42	2	8	0.0
Shoeburyness	1012.9	-4	S'E	4	rr	47	95	7	6	-	-	10	10	800	1	*	46	43	43	2	6	0.0
Felixstowe	1013.1	-4	S	6	rr	46	95	6	6	-	-	10	10	800	1	4	46	43	42	0.4	5	0.0
Gorleston	1012.8	-6	SSW	6	rr	46	95	5	6	-	-	10	10	800	1	5	46	44	42	-	10	0.0
Cranwell	1011.7	+6	SW'W	2	c	42	95	5	-	7	-	0	9+	-	1	*	41	40	40	6	5	0.0
Birmingham	1011.8	+2	SW	2	c	40	95	7	-	1	8	0	7.8	-	1	*	43	40	36	1	8	0.0
Upper Heyford	1012.4	+6	S	1	if	40	95	3	5	7	8	4.6	10	800	1	*	43	40	38	2	8	*
Leafield	1012.0	0	S	1	c (cf)	39	95	4 (48)	-	7	8	0	7.8	-	1	*	42	39	30	1	9	0.0
Ross-on-Wye	1011.8	-4	-	0	c	38	95	7	5	1	8	Tr.	7.8	4000	1	*	47	38	32	0.2	5	0.0
Portland Bill	1012.3	0	NW	2	c	50	85	8	6	8	-	7.8	10	1500	1	3	54	47	*	Tr.	5	*
Plymouth	1012.3	-6	NE	2	c/r	43	95	6	6	2	-	7.8	9	1500	1	0	53	43	41	4	2	0.0
Falmouth	1011.0	-4	SW	4	c	50	95	7	8	-	-	7.8	7.8	4000	1	2	53	46	*	7	1	0.0
Scilly (St. Mary's)	1010.?	-12	SW'S	4	bc	49	95	8	2	4	-	2.3	2.3	4000	1	3	53	46	*	8	-	0.0
Guernsey	1013.5	0	-	0	o	47	95	7	5	-	-	10	10	2500	1	4	52	47	43	0.3	12	0.0
Pembroke	1009.1	-6	SE	3	bc	51	95	8	3	6	-	4.6	4.6	800	0	2	54	46	*	10	-	0.0
Holyhead	1008.4	-10	SSE	4	U	47	95	8	3	3	-	2.3	4.6	1500	1	1	49	45	36	10	0.1	0.0
Chester (Sealand)	1010.4	0	SE'S	2	bc	35	95	5	5	-	-	4.6	4.6	4000	1	*	44	35	31	2	4	0.0
L'pool (Bidston)	1009.8	-2	SE	3	bc	40	95	7	5	-	-	4.6	4.6	1500	1	*	43	40	37	3	4	0.0
Harrogate	1010.3	0	SW	2	c	39	95	5	6	-	-	9+	9+	2500	1	*	39	38	32	10	10	0.0
Spurn Head	1009.9	+2	SW'W	3	o	44	95	6	5	-	-	10	10	1500	1	6	45	42	*	2	7	0.0
Catterick	1009.8	+8	-	0	c	34	95	4	5	7	-	4.6	9+	800	1	*	40	34	28	8	4	*
Tynemouth	1008.3	0	W	2	bc	38	95	6	5	-	1	4.6	4.6	800	1	2	42	38	35	8	12	*
Inchkeith	1008.5	-8	WSW	2	c	41	95	6	5	2	-	4.6	9+	800	1	2	45	41	36	5	3	~~0.1~~
Leuchars	1009.0	-2	WSW	1	o	41	95	4	5	-	-	10	10	1500	2	*	44	40	37	21	9	0.0
Renfrew	1009.0	-4	SE	2	f	32	95	2	-	-	-	10	10	450	1	*	47	30	25	15	-	0.0
Eskdalemuir	1009.1	-4	-	0	F	36	95	1	5	-	-	10	10	450	1	*	40	35	33	16	3	0.0
Tiree	1003.1	-14	SSE	6	bc	47	75	8	5	7	6	2.3	4.6	2500	0	4	50	40	30	1	Tr.	2.2
Stornoway	1004.7	-4	SE	5	bc	47	85	8	8	7	-	2.3	4.6	4000	1	2	51	42	*	2	1	·7
Dalwhinnie	1008.6	-4	N	1	bc	31	85	8	4	4	-	1	2.3	2500	0	*	42	28	25	22	Tr.	0.0
Aberdeen	1007.4	-8	-	0	bc	40	95	7	-	3	-	0	4.6	-	1	1	47	40	35	16	8	0.0
Wick	1006.8	-10	SSW	2	bc	45	85	8	5	8	1	2.3	4.6	2500	1	3	47	44	*	4	-	*
Lerwick	1010.0	0	S'E	5	rr	45	85	7	6	-	-	10	1.0	800	2	*	47	44	*	8	20	0.0
Blacksod Point	999.1	-6	S	4	c	46	65	7	9	-	-	9	9	<150	1	3	52	45	*	1	8	*
Malin Head	1002.1	-8	SSE	4	c	43	85	7	5	-	-	9+	9+	800	0	2	51	41	*	0.4	Tr.	1.3
Aldergrove	1004.9	-20	ESE	4	c	45	85	7	5	-	-	9	9	2500	1	*	48	35	32	4	Tr.	1.0
Donaghadee	1006.0	-14	SW	2	c/pr	45	85	7	8	2	-	4.6	7.8	1500	1	1	50	37	*	9	0.2	*
Birr Castle	1003.6	-16	SW	3	bc	42	95	8	5	8	-	2.3	4.6	2500	1	*	52	39	27	1	0.1	1.6
Valentia Obsy.†	1003.2	-8	SW	4	c/pr	47	75	8	8	-	-	10	10	1500	1	*	53	44	39	1	4	2.9
Roches Point	1004.7	-18	SW	4	bc	50	85	8	3	-	-	4.6	4.6	1500	1	5	52	45	*	3	3	*

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

	Height above M.S.L. in feet.	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	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	o2oror°m	omogrm	orrpm	46	45 (4)	44	3	8	0.0	•	•	3
Croydon	217	cm°r°r°	cm°r°r°	cm rr RR	45	44	43	2	11	0.0	•	•	4
Greenwich (Royal Observatory)	149	or°	r°rr	rr°f	46	44	42	3	8	0.0	94	98	2
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Park)	27	•	•	•	49	45	43	10		0.0	91	96	•
Regents Pk. (Botanic Gardens)	168	•	•	•	•	•	•	•	•	0.0	•	•	•
Camden Square	110	o	oror	•	44	44	•	6	5	•	•	97	•
Kensington	80	or	or	•	46	44	41	3	8	•	At 18h. 100	92	•
Hampstead Observatory	450	o	or	or	44	41	38	6	6	0.0		98	•

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

South Kensington. Max.	Time.	Min.	Time.
1.0	9+13h 18th	N.L.	1-6h 19th

Kew Observatory. Max.	Time.	Min.	Time.
0.4	15h 18th	0.1	2h 19th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 18th November Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 19th November 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	1022.6	SSE	2	m	43	1017.9	SSE	2	m	41	46	41	-	1
Brussels	1023.6	SE'E	3	c	39	1018.7	SSE	3	r°r°	37	43	37	-	0.3
Berlin	1029.0	NE'E	2	c	37	1030.2	E	1	cf	32	39	32	0.2	-
Zurich						1020.2	NNE	1	o			32		-
Rome														

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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 November 1931.

No. 25565

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1012.7	-6	SSW	2	c	48	86	5	-	1	9	0	9+	-
	Croydon	1012.8	0	W'S	3	c	48	75	6	5	1	-	2.3	9+	1500
	S. Farnborough	1012.6	-6	SSW	1	c	49	85	6	1	7	8	Tr.	9	2500
	Winchester	1012.4	-8	S'W	3	c	48	95	4	-	7	1	0	7.8	-
	Boscombe Down	1012.0	-12	SE	3	c	50	85	7	5	5	-	4.6	7.8	1500
	Calshot, S'thmtn	1013.1	-2	SE'E	2	c	51	85	6	5	3	8	1	7.8	2500
	Dungeness	*	*	SW'W	3	c	*	*	5	3	2	*	7.8	10	800
	Lympne	1013.3	-2	WSW	2	o	48	95	5	5	-	-	10	10	220
2	Shoeburyness	1012.7	-2	NW'N	1	c	50	85	7	5	1	-	7.8	10	1500
	Felixstowe	1012.9	-4	SW'S	1	o/r	47	95	5	6	-	-	10	10	800
	Gorleston	1012.2	0	SSW	4	r.r.	46	95	6	6	-	-	10	10	800
	Cranwell	1011.6	-6	S'E	2	bc	49	85	6	-	2	1	0	2.3	-
3	Birmingham	1011.2	-2	S	3	bc	49	75	6	1	-	-	2.3	2.3	2500
	Upper Heyford	1012.3	-6	S	2	bc	49	85	5	-	-	8	0	2.3	-
	Leafield	1011.5	-6	S'E	3	bc	50	85	8	1	-	8	2.3	2.3	2500
4	Ross-on-Wye	1010.7	-4	SSE	3	c	50	75	6	2	-	-	9	9	4000
5	Portland Bill	1011.5	-8	SSW	3	c	54	75	8	2	6	1	4.6	7.8	2500
	Plymouth	1010.3	-16	SSW	4	pr	52	95	8	8	-	-	7.8	7.8	1500
	Falmouth	1008.9	-8	SW'S	6	q	53	85	8	8	-	-	4.6	4.6	4000
	Scilly (St. Mary's)	1007.7	-20	SSW	5	c	54	85	7	2	7	-	4.6	7.8	4000
	Guernsey	1013.1	-4	S	2	c	52	85	9	8	3	-	4.6	7.8	2500
6	Pembroke	1006.4	-20	S	3	bc	52	95	8	3	7	-	4.6	4.6	1500
7	Holyhead	1006.7	-14	S'E	5	pr	51	95	8	3	4	2	4.6	7.8	1500
	Chester (Sealand)	1009.2	-10	SE'E	4	bc	49	75	7	4	3	1	1	4.6	4000
8	L'pool (Bidston)	1008.3	-10	SE	4	bc	47	85	7	5	1	3	2.3	4.6	1500
9	Harrogate	1010.4	0	SSW	1	bcf	46	85	3	6	-	-	2.3	2.3	<150
10	Spurn Head	1011.1	0	SSW	1	bc	48	85	5	5	-	1	2.3	4.6	1500
	Catterick	1009.8	-6	SSE	2	bc	43	95	5	5	-	-	4.6	4.6	1500
	Tynemouth	1009.3	-4	S	2	bc	48	75	6	5	-	-	4.6	4.6	800
11	Inchkeith	1008.3	-8	S	1	bc	46	95	7	5	2	-	2.3	4.6	800
	Leuchars	1008.4	-6	E	1	b	46	85	6	1	-	-	Tr.	Tr.	2500
12	Renfrew	1007.1	-10	SE	3	c	45	95	6	5	7	-	7.8	9+	2500
	Eskdalemuir	1008.0	-6	S'E	2	bc	43	85	7	5	4	2	2.3	4.6	1500
13A	Tiree	1002.4	-2	SSE	4	c	48	85	6	6	1	-	9+	10	1500
13B	Stornoway	1004.4	-4	SE	3	c	47	85	8	4	7	9	2.3	7.8	4000
15	Dalwhinnie	1007.8	-2	SW	1	bc	41	85	7	8	4	-	4.6	4.6	800
	Aberdeen	1007.6	-2	SSW	1	b	46	75	6	-	-	-	0	0	-
	Wick	1006.5	-6	SSW	2	bc	46	85	8	5	6	4	2.3	4.6	4000
16	Lerwick	1008.8	-12	S'E	6	rr	45	85	7	6	-	-	10	10	800
17	Blacksod Point	999.4	+4	S	3	pr	47	75	8	3	-	-	7.8	7.8	450
18	Malin Head	1001.7	+4	S	4	cjp	46	85	7	9	7	-	7.8	9	800
	Aldergrove	1003.8	-8	S	3	c	47	85	7	8	-	-	9	9	2500
	Donaghadee	1003.9	-16	SW	2	c	50	85	7	5	-	-	7.8	7.8	1500
19	Birr Castle	1002.8	-4	S	2	c	47	85	7	6	7	-	1	9+	1500
20	Valentia Obsy.	1002.1	-10	SSW	3	pr	45	75	8	6	-	-	9	9	2500
	Roches Point	1003.8	-6	W	4	ir	45	95	8	6	-	-	9	9	1500

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

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)	Sun. 0-9 (30)
1	London (Kew)	1012.7	0	-	0	cf	43	95	3	-	-	8	0	9	-	1	*
	Croydon	1012.5	0	-	0	c	43	95	5	-	7	6	0	7.8	-	1	*
	S. Farnborough	1012.1	+2	SE'S	2	bcf	43	95	3	8	7	2	Tr.	2.3	2500	1	*
	Winchester	1011.5	0	SSE	3	bc	43	95	7	7	5	-	2.3	4.6	2500	1	*
	Boscombe Down	1011.4	-2	SSE	3	bc	45	95	8	5	-	-	2.3	2.3	1500	1	*
	Calshot, S'thmtn	1012.3	-6	SSE	3	bc	49	85	7	8	-	1	2.3	2.3	2500	0	1
	Dungeness	*	*	WSW	2	c	*	*	6	3	7	*	4.6	10	800	*	2
	Lympne	1013.4	+2	-	0	c	45	95	6	5	1	-	4.6	10	2500	1	*
2	Shoeburyness	1012.9	0	-	0	fg	43	95	4	5	-	-	10	10	220	1	*
	Felixstowe	1013.0	+4	SSW	2	c	46	95	5	-	1	-	0	9	-	1	1
	Gorleston	1011.6	+2	-	0	o	46	95	5	5	-	-	10	10	1500	1	3
	Cranwell	1011.7	+2	S'E	2	b	37	95	6	-	3	-	0	1	-	1	*
3	Birmingham	1010.5	0	SSE	2	bc	45	95	7	1	4	-	1	2.3	1500	1	*
	Upper Heyford	1011.8	+6	S'E	2	b	44	95	6	-	1	-	0	1	-	1	*
	Leafield	1011.0	0	SE'S	3	b	42	95	6	4	-	-	Tr.	Tr.	4000	1	*
4	Ross-on-Wye	1009.4	-6	S	3	c	49	85	6	8	6	1	4.6	7.8	4000	1	*
5	Portland Bill	1010.7	-6	SSE	4	c	52	75	8	2	6	-	4.6	7.8	2500	1	3
	Plymouth	1007.9	-10	S	5	cjp	53	85	8	9	7	-	7.8	9+	800	1	3
	Falmouth	1005.9	-10	SSW	6	q	52	85	7	8	-	-	9	9	4000	0	4
	Scilly (St. Mary's)	1004.2	-16	S	5	c/pr	50	95	7	5	2	-	4.6	9	4000	1	4
	Guernsey	1011.4	-6	S	2	bc	50	85	9	1	1	-	2.3	4.6	4000	0	3
6	Pembroke	1005.2	-8	SSE	4	iR	51	95	7	3	6	-	4.6	7.8	1500	1	3
7	Holyhead	1006.1	-2	S'E	5	c	49	95	8	4	1	-	4.6	10	2500	1	2
	Chester (Sealand)	1008.1	+2	SE'S	3	c	46	85	6	5	3	-	4.6	7.8	4000	1	*
8	L'pool (Bidston)	1007.9	0	SE'S	4	c	46	85	7	5	1	-	7.8	9+	1500	0	*
9	Harrogate	1010.6	0	S	1	b	41	95	4	5	-	-	1	1	<150	1	*
10	Spurn Head	1011.6	0	S	2	bc	46	95	6	5	3	-	2.3	4.6	1500	0	1
	Catterick	1009.8	+2	SSE	3	b	41	(95)	4	-	-	-	0	0	-	1	*
	Tynemouth	1009.5	+4	S	1	bc	44	95	4	5	-	-	2.3	2.3	1500	1	2
11	Inchkeith	1008.1	-2	SE	2	c	45	95	8	5	3	-	4.6	9	2500	0	2
	Leuchars	1008.4	+2	SE	3	bc	43	85	6	5	9	-	4.6	4.6	4000	2	*
12	Renfrew	1006.6	+4	SE	3	c	44	85	6	5	7	-	2.3	10	2500	1	*
	Eskdalemuir	1007.7	+6	S'E	3	c	42	85	6	-	7	8	0	9+	-	1	*
13A	Tiree	1003.2	+10	S'E	3	bc	43	85	8	8	-	3	4.6	4.6	2500	1	3
13B	Stornoway	1003.8	0	SE	3	cjpr	48	85	7	8	7	-	4.6	7.8	2500	1	2
15	Dalwhinnie	1007.2	-6	SSE	4	ir.	39	95	5	3	2	-	4.6	10	1500	1	*
	Aberdeen	1008.9	+8	S	1	bc	37	95	5	5	1	-	2.3	4.6	1500	1	1
	Wick	1006.5	+4	SSW	3	bc	45	85	8	5	1	8	4.6	4.6	2500	0	3
16	Lerwick	1007.7	-8	SE	4	o	46	85	7	6	-	-	10	10	1500	1	*
17	Blacksod Point	1000.6	+6	S	2	c	45	75	7	3	-	-	7.8	7.8	450	0	2
18	Malin Head	1002.6	+12	S	2	c	43	95	7	7	-	-	9	9	2500	0	1
	Aldergrove	1003.8	+4	E'S	2	c	42	85	8	5	3	-	2.3	9	4000	1	*
	Donaghadee	1004.1	+2	SSW	1	c	45	85	7	5	-	-	7.8	7.8	1500	1	0
19	Birr Castle	1002.3	-2	S	1	ir.	43	95	7	6	-	-	10	10	1500	1	*
20	Valentia Obsy.	1002.2	+6	NE'E	1	bc	40	95	8	8	-	-	2.3	2.3	2500	1	4
	Roches Point	1001.7	-8	W	2	ir	45	95	7	6	-	-	9	9	1500	1	3

PAST 24 HOURS.

District	Stations	Weather 7h.–13h. 19th (37)	Weather 13h.–18h. 19th (38)	Weather 18h. 19th to 1h. 20th (39)	Weather 1h.–7h. 20th (40)
1	London (Kew)	ofcm	cm.cfw	bfebfx	bfxmxcfw
	Croydon	cr.fmm.	cbcm ⊚	bcm.w⊚	bwcm.
	S. Farnborough	cbccm.	cbefw	bxfm	bcwm.
	Winchester	cbcmcm	cm bc	b	bcbr.
	Boscombe Down	cfg bc	c	bcb	bbccr.
	Calshot, S'thmtn	cm.	cm. bc	bcw	bcwc
	Dungeness	o	bc	*	bc
	Lympne	or.dom	cm.	crc	om.c
2	Shoeburyness	orrmcm	cofom	obbfc	bxcm.
	Felixstowe	orrm.	ombccm	cm.	c
	Gorleston	r.r.q	or.m	ffocm.	cm.id.
	Cranwell	cm.bm	bm.	bofe	ofe
3	Birmingham	bcb	b	bbc	bcc
	Upper Heyford	cfm, bm.	bcbm.	bm.w	bbcw.
	Leafield	cifbc	bcb	bc	bcce
4	Ross-on-Wye	cbbc	bccp.bc	bcip.	cbc
5	Portland Bill	c	cPRc	c	cp.rc
	Plymouth	cmprv	cpr	cPR	c r.q.
	Falmouth	bcpq	cq	cbcPq	cbc pq
	Scilly (St. Mary's)	bccp	cp	cprr	cbc
	Guernsey	ocbc	cbc	bcc	co
6	Pembroke	bc	ciR	cqpr	iRc
7	Holyhead	prprq	PRc	p.c	bc
	Chester (Sealand)	bcbm.	bccm.	bccm.	cir.
8	L'pool (Bidston)	fbbc	bcc	c	owq
9	Harrogate	cbf	bfm	bmofe	oFfe
10	Spurn Head	ocbc3	bc	bcwmiff	oFFe
	Catterick	c,b,bcm	bcFbm	bmom	omF
	Tynemouth	beffm	bcm	bcm	o, bcw
11	Inchkeith	cmbc	bcc	c	cbc
	Leuchars	omcFbm	bbcm.	bcwm.	bcwm.
12	Renfrew	ffxbbc	ccrmc	ir.rrc	c
	Eskdalemuir	offbc	bcpr.c	c	cpr.c
13A	Tiree	cPpr	PRbc	bc	PR
13B	Stornoway	bcc	cpr	cprl	coir.
15	Dalwhinnie	bc	cr		c
	Aberdeen	bcb	bbc	cm. pr.	c
	Wick	bc	bc	c	c
16	Lerwick	orr	orr	c	c
17	Blacksod Point	prc	prc	bc	bc
18	Malin Head	cprc	cbcc	c	cir.c
	Aldergrove	cp.bc	c	c	cp.
	Donaghadee	cPRc	c	orrc	cir.
19	Birr Castle	bcc	cir.o	orr.	rbcx
20	Valentia Obsy.	cp.Pcp	cpcircbc	bcbw	bcwpr
	Roches Point	bccir	cir	circ	cbcx

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, ,, less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s., slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

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

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.

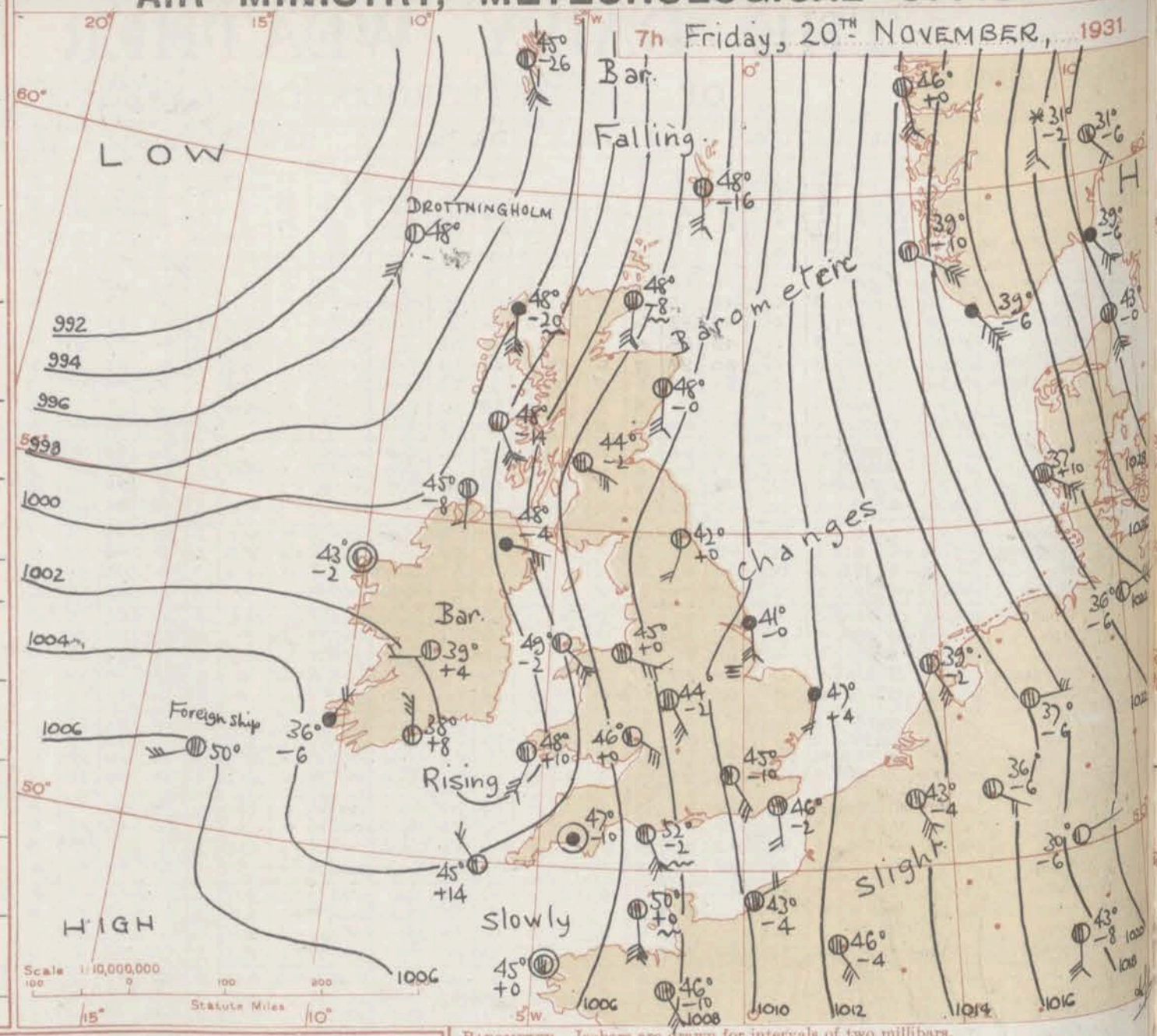
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for Thursday, 19th Nov. 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 Sunset 19th
1	Tunbridge W.	o	oco	41	49	9	-	0.0
	Bournemouth	bcc	bc	41	54	11	-	2.5
	Ventnor ...	orow	cobbc	44	53	6	-	1.8
	Southsea ...	oroc	bc	45	51	7	-	1.8
	Bognor Regis	oc	cbc	44	49	10	-	0.6
	Littlehampton	c	bc	45	49	10	-	0.4
	Worthing ...	o	oc	46	50	9	-	0.1
	Brighton ...	co	c	46	50	9	-	0.0
	Eastbourne†	o	o	47	51	8	-	0.0
	Hastings† ...	opoc	com	45	51	8	0.3	0.0
	Folkestone ...	ormoc	omom	43	51	7	1	0.0
	Dover... ...	doird	oird	44	50	5	0.3	0.0
	Deal	ro	oc	43	50	6	1	0.0
	Ramsgate ...	oc	c	43	50	6	0.2	0.0
	Margate ...	co	c	43	50	8	0.2	0.0
2	Southend ...	orf	ofcm	43	49	9	0.2	0.0
	Maldon ...	oc	co	42	50	10	-	0.2
	Clacton-on-Sea	ogrc	cpoc	44	49	7	1	0.0
	Dovercourt ...	roc	roco	44	48	7	1	0.0
	Lowestoft ...	corr	irom	43	47	13	1	0.0
	Skegness ...	om	oco	42	46	10	-	0.8
	Mablethorpe	ocm	cbcm	41	48	11	-	1.2
	Cleethorpes ...	omo	ocb	40	50	9	-	3.6
3	Leamington S.	bcb	cmc	38	53	6	-	4.1
4	Cheltenham†	bcb	bbcb	38	51	4	-	4.1
5	Bath	bcebc	cpbcb	38	53	5	0.3	3.1
	Weymouth ...	fcpoc	bpc	40	55	9	0.3	4.0
	Jersey ...	cf	bc	45	53	5	-	1.0
	Torquay ...	rocw	bcPRc	41	55	4	5	3.6
	Penzance ...	b	bcepr	45	55	1	0.5	4.1
	St. Ives ...	c	pr	45	53	1	0.3	1.5
	Bude	pbcb	bccp	41	55	1	Tr	5.6
	Ilfracombe ...	h	bbcd	46	54	3	0.2	5.6
6	Aberystwyth	cirbc	cPR	42	56	2	8	1.5
7	Llandudno ...	cbc	cro	41	52	2	0.4	2.9
	Colwyn Bay...	bcb	bccro	41	53	3	1	3.8
	Rhyl	bbcc	cbcc	39	52	3	-	3.1
8	Wallasey ...	bbc	bc	40	49	5	-	3.1
	Southport‖ ...	bcc	co	36	47	4	-	2.4
	Blackpool ...	mcbc	cpc	36	47	6	0.4	1.7
	Morecambe ...	fmbbc	bcpc	39	50	6	0.3	3.5
9	Ilkley... ...	cbcb	bcb	38	50	10	-	3.6
10	Berwick-on-T.	oc	bc	34	46	10	-	3.5
11	Dunbar ...	bcro	bcx	36	48	8	-	5.5
12	Douglas ...	cbcir	oiRHc	50	50	4	13	0.6

† 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 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.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 20th Nov., 1931.

Districts.	Forecasts
1. S.E. England 2. E. England 3. E. Midlands	Winds between south and west, moderate, fresh locally later; mainly cloudy, rain at times; moderate temperature.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Winds between south and west, moderate or fresh, strong perhaps locally later; mainly cloudy, rain at times and showers; moderate temperature.
8. N.W. England 9. N. Midlands 10. N.E. England	Winds between south and west, moderate or fresh, strong locally later; mainly cloudy, rain at times and showers; moderate temperature.
11. S.E. Scotland ▼ 12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. ▼ 14. Mid-Scotland 15. N.E. Scotland ▼ 16. Orkneys and Shetlands. ▼	Winds between south and west, strong, reaching gale force at times in exposed places; cloudy, some rain and showers; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Winds southwesterly or westerly, fresh, strong locally later; mainly cloudy, rain at times and showers; moderate temperature.

GENERAL INFERENCE.

An intense depression near Iceland is likely to move eastward together with associated secondaries. Unsettled conditions are expected generally over the British Isles with some rain in most districts

FURTHER OUTLOOK.

Unsettled.

Time of issue of Gale Warnings.

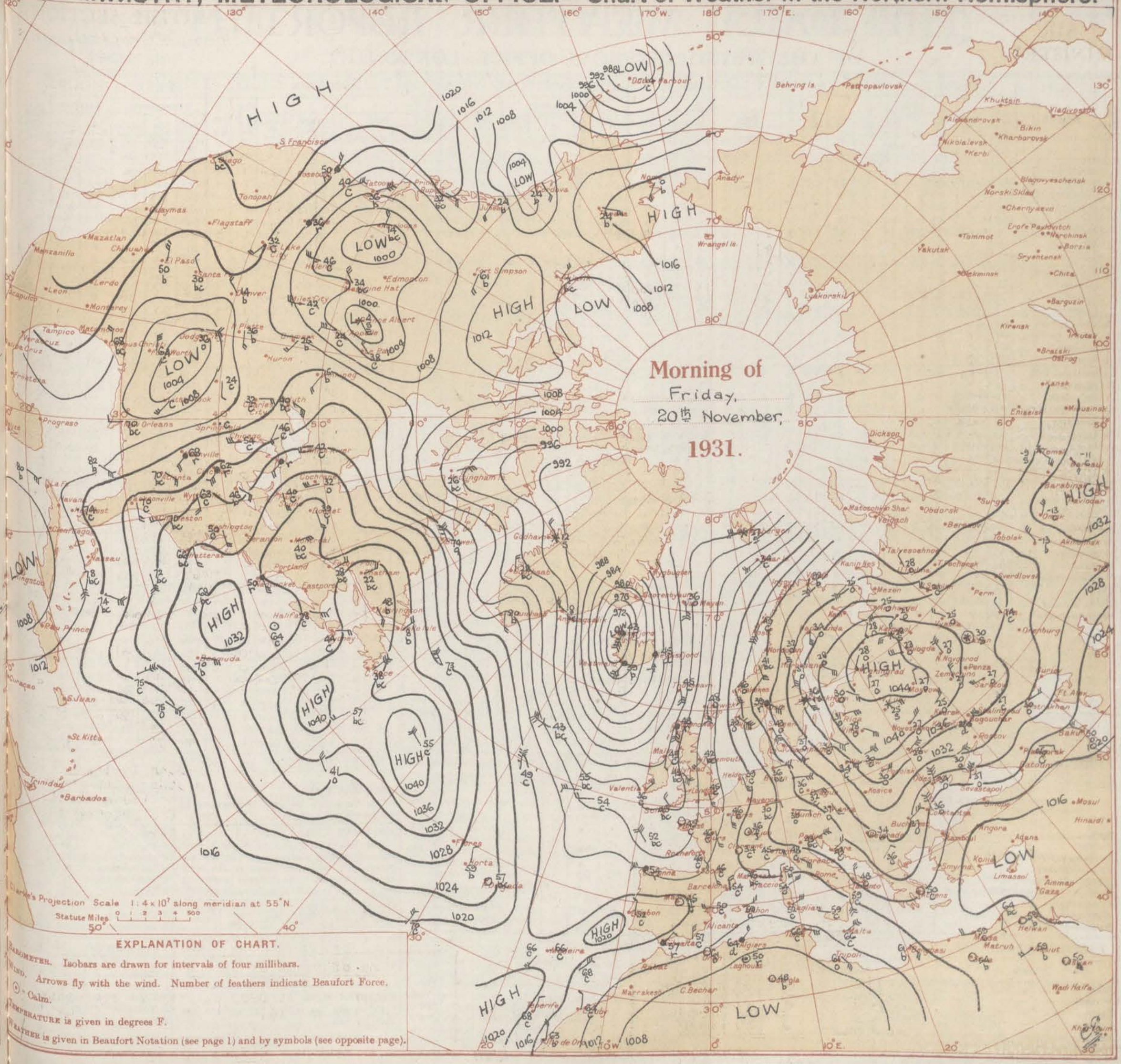
▼ South cone at 0800 on 20th in districts 11, 13, 15, and 16.

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

Forecasts issued at 0930 G.M.T.

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

Friday, 20th November 1931.

No. 25565.

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

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	1011.1	-10	S'E	3	bc	44	95	6	7	-	-	4·6	4·6	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1010.8	-12	SE'S	2	c	48	95	7	5	-	5	4·6	7·8	1500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1012.2	-6	SE	2	c	45	95	6	5	-	-	10	10	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1011.0	-6	S'W	3	c	45	95	5	5	-	-	7·8	7·8	1500
	Cranwell ...	240	1011.0	-4	SE'S	3	F	35	95	1	5	-	-	10	10	<150
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1007.2	-16	SSE	5	cjp	53	85	8	8	7	-	7·8	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1002.9	-12	S	7	q	52	85	8	3	7	-	4·6	7·8	4000
	Scilly (St. Mary's)	163	1003.0	+4	W	3	c/pr	46	95	8	8	6	-	7·8	7·8	4000
	Guernsey ...	175	1008.5	-14	S	4	c	50	95	9	8	-	-	10	10	2500
6	Pembroke ...	142	1002.2	-8	SE	4	pr	51	95	7	6	7	-	4·6	7·8	800
7	Holyhead ...	26	1005.1	-10	SE'S	5	bc/pr	50	85	8	3	-	3	4·6	4·6	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1014.3	-2	S'W	1	cif	40	95	2	5	-	-	7·8	7·8	220
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1009.8	0	S	2	o	43	95	7	5	-	-	10	10	1500
11	Inchkeith ...	190	1008.0	-2	SE	3	c	44	95	6	5	1	-	4·6	9+	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1003.5	-6	S	6	c	48	95	7	9	7	-	4·6	7·8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1006.9	-6	S	5	c	48	85	8	5	2	-	7·8	9	1500
16	Lerwick ...	54	1009.4	+8	S	4	c	47	75	7	5	-	-	7·8	7·8	1500
17	Blacksod Point	18	1002.1	+2	-	0	b	39	95	8	5	-	-	1	1	1500
18	Malin Head ...	52	1002.3	-12	SE	1	c	45	85	7	5	-	-	9+	9+	4000
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1002.6	0	WSW	2	bc	41	95	8	8	4	-	4·6	4·6	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 20th Nov. — 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 19th Hrs. (36)
London (Kew)...	1010.0	-6	E'N	2	F	41	95	1	5	1	-	7·8	10	2500	1	*	49	37	28	Tr.	Tr.	0.4
Croydon	1010.1	-10	SSE	3	c	45	95	6	5	7	-	7·8	9	4000	1	*	49	40	33	0.2	Tr.	0.2
S. Farnborough	1009.2	-6	E'S	2	c	43	95	5	5	3	-	7·8	9	2500	1	*	50	37	27	Tr.	Tr.	1.4
Winchester	1008.7	-2	SE	3	o/pr	46	95	7	5	-	-	10	10	1500	1	*	51	40	32	-	0.1	2.7
Boscombe Down	1008.4	-2	SE	3	o/r	46	95	7	5	-	-	10	10	1500	1	*	50	40	37	-	Tr.	*
Calshot, (S'thmtn)	1009.4	-6	SE'E	4	c	49	85	7	5	2	-	7·8	10	2500	1	3	52	48	42	-	Tr.	2.0
Dungeness	*	*	S	2	c	*	*	7	8	-	*	10	10	1500	*	1	51	47	*	1	-	*
Lympne	1011.2	-2	SSW	2	c	46	95	8	5	-	-	10	10	1500	1	*	49	44	40	2	1	0.0
Shoeburyness	1011.1	0	SSE	1	c	46	95	6	5	-	-	9	9	2500	1	*	50	36	28	1	Tr.	0.0
Felixstowe	1011.4	0	S	3	c	47	85	7	5	-	-	10	10	1500	1	2	48	43	38	1	-	0.0
Gorleston	1011.1	+4	SSW	2	id₀	47	95	6	6	-	-	10	10	800	1	2	47	43	38	4	Tr.	0.0
Cranwell	1010.4	-2	SE'E	2	F	35	95	1	-	-	-	10	10	<150	1	*	50	32	30	-	0.1	3.2
Birmingham	1008.4	-2	SSE	3	c	44	95	7	5	-	-	9+	9+	800	1	*	50	41	38	-	-	5.2
Upper Heyford	1009.1	-6	ESE	3	c	40	95	4	5	3	6	4.6	7·8	2500	1	*	49	37	31	-	-	*
Leafield	1006.2	-12	SE	3	c	42	95	7	5	-	-	9	9	1500	1	*	50	38	34	-	0.1	3.5
Ross-on-Wye	1007.5	0	SE	3	bc	46	95	4	1	-	1	2·3	2·3	2500	1	*	52	45	41	0.1	Tr.	4.1
Portland Bill	1005.8	-2	SSE	5	c	52	85	8	8	7	-	9	10	1500	1	4	55	51	[red mark]	1	Tr.	*
Plymouth	1004.4	-10	-	0	r₀r₀	47	95	7	6	2	-	7·8	10	1500	1	1	54	47	45	0.5	3	4.0
Falmouth	1004.2	+10	NNW	2	c	46	95	7	8	-	-	7·8	7·8	4000	1	2	54	46	*	1	10	5.0
Scilly (St. Mary's)	1004.9	+14	NW	2	bc	45	75	8	2	-	-	4.6	4.6	4000	1	2	54	45	*	1	4	4.0
Guernsey	1006.8	0	S	6	c	50	95	8	8	-	-	10	10	2500	0	4	53	50	46	-	-	1.3
Pembroke	1001.8	+10	SW	4	c	48	95	7	3	6	-	4.6	7·8	1500	1	3	53	46	*	4	11	2.2
Holyhead	1004.0	-2	SE'S	5	bc	49	85	8	4	-	-	2·3	2·3	2500	1	2	51	48	42	2	0.3	1.7
Chester (Sealand)	1006.9	0	SE'E	4	o	45	95	6	5	-	-	10	10	2500	1	*	50	44	40	-	Tr.	4.7
L'pool (Bidston)	1005.7	-4	SE	5	q	44	95	6	5	-	-	10	10	1500	0	*	48	43	40	-	-	3.1
Harrogate	1009.8	0	SE	2	F	37	95	1	-	-	-	10	10	<150	1	*	46	37	37	-	-	2.5
Spurn Head	1010.0	0	S	4	dF	41	95	1	5	-	-	10	10	<150	1	2	48	39	*	-	Tr.	3.2
Catterick	1009.8	+2	-	0	F	38	95	1	-	-	-	10	10	<150	1	*	45	38	36	Tr.	Tr.	*
Tynemouth	1008.9	0	SW	2	bc	42	95	6	5	-	-	4.6	4.6	800	1	2	48	41	32	-	[red mark]	*
Inchkeith	1007.7	-4	SSE	3	bc	43	95	6	5	5	-	2·3	4.6	2500	0	2	48	42	39	-	-	3.8
Leuchars	1007.6	-6	-	0	bc	41	95	5	4	6	1	2·3	4.6	4000	1	*	46	37	31	-	-	4.7
Renfrew	1006.1	+2	SE	3	c	44	95	7	5	7	-	7·8	9+	2500	1	*	46	43	40	0.6	3	0.2
Eskdalemuir	1007.2	0	S	1	c	41	95	7	5	4	-	7·8	9	4000	1	*	43	40	35	Tr.	Tr.	1.5
Tiree	1000.5	-14	SSE	5	c	48	85	7	5	3	-	7·8	10	2500	1	3	48	42	37	3	1	0.2
Stornoway	999.9	-20	S	6	r₀	48	95	6	6	-	-	10	10	1500	1	4	49	46	*	0.5	0.2	2.1
Dalwhinnie	1005.5	-6	S	3	c	41	95	5	8	2	-	7·8	7·8	1500	1	*	41	38	35	Tr.	Tr.	3.3
Aberdeen	1007.6	0	S	4	c	48	85	7	5	-	-	9+	9+	1500	1	1	46	37	34	-	Tr.	5.4
Wick	1004.7	-8	S	5	c	48	85	8	8	4	-	4.6	7·8	1500	0	4	46	45	*	-	-	*
Lerwick	1007.5	-16	S'E	4	c	48	85	7	5	-	-	7·8	7·8	1500	0	*	46	45	*	5	-	0.0
Blacksod Point	1001.0	-2	-	0	b	43	95	8	5	-	-	1	1	2500	0	2	48	36	*	1	-	*
Malin Head	1000.4	-8	S	1	c	45	95	7	5	3	-	7·8	9+	2500	0	1	46	41	*	0.3	0.1	1.7
Aldergrove	1002.1	-4	ESE	3	pr	48	95	7	8	-	-	9+	9+	1500	1	*	48	41	36	0.2	3	1.1
Donaghadee	1002.5	-2	S (SW in red)	3	r₀	51	85	7	6	-	-	9	9	800	1	2	52	44	*	3	8	*
Birr Castle	1001.8	+4	SW (red)	1	bc	39	95	7	8	-	-	4.6	4.6	1500	1	*	47	38	30	0.2	9	0.5
Valentia Obsy.†	1003.3	+6	NE	2	c/pr	36	95	8	9	-	-	7·8	7·8	1500	1	*	47	33	30	4	0.3	0.0
Roches Point	1003.4	+8	N	3	bc	38	95	8	5	-	-	2·3	2·3	1500	1	3	51	37	*	6	4	*

LONDON OBSERVATIONS.

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

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h. (To-day)
Kew ...	18	ofcm	cm₀cfw	bfexFw	49	37	28	Tr.	Tr.	0.4	*	*	6
Croydon ...	217	cr₀fmm	cbcm₀⊕	bcm⊕mm	49	40	33	0.2	Tr.	0.2	*	*	6
Greenwich (Royal Observatory) ...	149	cfm⊕	c⊕bm	cxbcmb⊕	49	36	26	-	Tr.	0.0	83	98	5
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	49	41	35	-	-	0.0	76	89	*
Regents Pk. (Botanic Gardens) ...	168	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square ...	110	oc	c	*	47	39	38	-	—	*	*	98	*
Kensington ...	80	oco	bc	*	49	37	31	-	Tr.	*	At 18h. 86	100	*
Hampstead Observatory ...	450	o	of	of	46	37	30	Tr.	Tr.	0.0	*	97	*

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	3-5h 20th

Kew Observatory. Max.	Time.	Min.	Time.
1.6	22h 19th	0.2	13h 19th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 19th Nov. Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 20th Nov. 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 ...	1014.7	SSE	2	c	45	1012.7	SSE	3	o	46	46	46	Tr.	Tr.
Brussels ...	1015.5	SSE	3	c	43	1013.2	SSE	4	c	43	45	39	0.4	-
Berlin ...	1028.0	ESE	4	o	37	1024.8	ESE	5	c	36	39	32	-	-
Zurich ...	1020.4	E	1	c	37	1019.6	WSW	1	c	37	39	36	-	-
Rome ...	1019.4	SSW	2	c	57	1018.6	N	2	o	50	66		-	

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 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

Saturday, 21st November, 1931.

No. 25.566

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	1009.7	-8	SSE	3	o	48	85	5	5	-	-	10	10	2500
	Croydon ...	1009.9	-2	S	3	c	49	85	6	5	-	-	10	10	1500
	S. Farnborough	1009.0	-6	SSE	3	c	49	85	7	5	-	-	9+	9+	1500
	Winchester ...	1008.4	-6	S'E	4	c	49	85	8	5	-	-	10	10	1500
	Boscombe Down	1008.0	-4	SSE	3	d.d.	49	95	7	5	-	-	10	10	800
	Calshot, S'thmtn	1009.4	0	SE	4	c	51	85	8	8	-	-	10	10	1500
	Dungeness ...	*	*	S	3	c	*	*	7	8	3	*	9	10	1500
	Lympne ...	1010.7	-10	S	3	c	49	85	8	5	-	-	10	10	1500
2	Shoeburyness	1010.7	-4	SSE	2	c	49	85	8	5	-	-	10	10	1500
	Felixstowe ...	1011.2	-2	S'E	3	c	49	85	7	5	-	-	10	10	1500
	Gorleston ...	1010.7	-6	S'W	3	c	48	95	6	4	-	-	9	9	2500
	Cranwell ...	1009.8	-6	SSE	2	f	41	95	2	5	-	-	10	10	<150
3	Birmingham ...	1008.0	-2	SSE	3	c	48	85	6	6	2	-	4-6	10	800
	Upper Heyford	1008.8	-6	SE'S	3	c	48	95	6	5	-	-	9	9	4000
	Leafield ...	1007.9	0	SE'S	4	c	47	(95)	7	5	-	-	9+	9+	800
4	Ross-on-Wye ...	1006.7	0	S	3	c	51	75	7	7	-	-	9+	9+	4000
5	Portland Bill...	1006.5	0	SSE	5	c	52	85	8	8	7	-	7-8	10	1500
	Plymouth ...	1006.2	+6	N	3	c/r	48	95	6	5	7	-	4-6	9	800
	Falmouth ...	1006.7	+6	NW'W	3	bc	50	75	8	7	-	-	4-6	4-6	4000
	Scilly (St. Mary's)	1007.4	+4	W'N	3	bc	50	75	8	2	-	-	4-6	4-6	4000
	Guernsey ...	1006.5	-2	S	5	bc	52	85	8	8	8	-	4-6	4-6	2500
6	Pembroke ...	1006.4	+6	SW	2	bc	50	95	8	7	4	-	4-6	4-6	1500
7	Holyhead ...	1004.9	+2	SW'S	5	c	50	85	8	4	-	-	9	9	1500
	Chester (Sealand)	1006.4	-10	SE'E	3	c	49	85	6	5	-	-	9	9	1500
8	L'pool (Bidston)	1005.5	-6	SE	4	bc	48	85	6	5	7	-	2-3	4-6	1500
9	Harrogate ...	1009.0	-6	SE	1	F	39	95	1	5	-	-	10	10	<150
10	Spurn Head ...	1009.4	0	SSE	2	bc	46	95	6	5	-	9	2-3	4-6	1500
	Catterick ...	1008.5	-14	S	3	f	38	(95)	3	5	-	-	10	10	<150
	Tynemouth ...	1007.7	-4	S	3	bc	45	85	6	5	-	-	4-6	4-6	800
11	Inchkeith ...	1005.2	-8	SE	4	bc	48	85	7	5	4	-	2-3	4-6	2500
	Leuchars ...	1005.6	-14	SSE	4	bc	48	75	7	7	6	-	2-3	2-3	2500
12	Renfrew ...	1003.5	-20	SE	4	c	47	85	6	5	-	-	10	10	1500
	Eskdalemuir ...	1004.4	-24	S	4	c	45	85	7	5	3	-	2-3	7-8	800
13A	Tiree	996.0	-24	S	7	bc/pr	51	85	7	8	4	-	2-3	2-3	1500
13B	Stornoway ...	995.0	-30	S	7	c	50	95	7	9	7	-	4-6	9+	1500
15	Dalwhinnie ...	1002.2	-12	S	3	ir.	42	85	6	8	2	-	7-8	9	800
	Aberdeen ...	1005.3	-16	S'W	4	c	48	75	6	5	3	-	7-8	7-8	1500
	Wick	1001.6	-12	S	8	bc	48	85	7	5	4	-	2-3	4-6	2500
16	Lerwick ...	1005.0	-18	S'E	6	c	49	85	7	5	-	-	9+	9+	1500
17	Blacksod Point	997.3	-16	SW	5	ir	50	85	7	6	-	-	10	10	<150
18	Malin Head ...	998.2	-4	S	4	cjp	46	95	7	8	6	-	9	9+	1500
	Aldergrove ...	1001.1	-2	S	4	c	46	85	8	7	-	-	9+	9+	1500
	Donaghadee ...	1000.9	-6	SW	3	c	49	95	7	8	3	-	4-6	7-8	2500
19	Birr Castle ...	1002.1	-2	SW	3	b	49	75	8	1	8	-	ir.	1	2500
20	Valentia Obsy.	1003.0	-10	SSW	4	pr	50	75	8	6	-	-	10	10	1500
	Roches Point...	1004.4	+6	SW	2	bc	49	85	8	3	-	-	2-3	2-3	1500

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

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1010.4	+6	ESE	2	o	49	85	5	5	-	-	10	10	1500	1	*
	Croydon ...	1010.2	+2	SE	2	c	48	85	6	5	-	-	9+	9+	1500	1	*
	S. Farnborough	1010.0	+10	SSE	2	d.d.	48	95	6	5	-	-	10	10	1500	1	*
	Winchester ...	1009.5	+8	SE	2	c	47	95	7	5	-	-	10	10	2500	1	*
	Boscombe Down	1009.0	+10	SE	3	d	48	95	6	5	-	-	9+	9+	1500	1	*
	Calshot, S'thmtn	1009.6	+4	SE	3	bc	50	95	7	5	8	-	2-3	4-6	2500	0	1
	Dungeness ...	*	*	S	3	o	*	*	7	5	-	*	10	10	1500	*	1
	Lympne ...	1011.6	+2	S'W	3	o	49	85	6	6	-	-	10	10	1500	1	*
2	Shoeburyness	1011.1	+10	SSE	1	c	48	95	7	5	-	-	7-8	7-8	2500	0	*
	Felixstowe ...	1011.6	+2	S'E	3	c/d	48	95	7	5	-	-	10	10	1500	1	1
	Gorleston ...	1011.6	+6	-	0	c	48	85	6	4	-	-	10	10	2500	0	1
	Cranwell ...	1009.5	+2	SE'S	3	bf.	40	95	3	-	-	-	0	0	-	1	*
3	Birmingham ...	1008.2	+2	S	3	c	47	95	6	5	-	-	9+	9+	450	1	*
	Upper Heyford	1010.0	+10	SE	1	c/d	46	95	6	5	-	-	10	10	2500	1	*
	Leafield ...	1009.0	+6	SE'S	3	o	46	95	6	5	-	-	10	10	450	1	*
4	Ross-on-Wye ...	1007.6	+4	S'E	3	pr	49	85	6	8	-	-	9+	9+	4000	1	*
5	Portland Bill...	1008.1	+12	SSW	4	c/r	52	85	8	8	6	-	4-6	7-8	1500	1	3
	Plymouth ...	1009.1	+26	-	0	p	46	85	7	1	-	-	Tr.	Tr.	1500	1	0
	Falmouth ...	1009.0	+8	W	2	bc	46	95	8	7	-	-	2-3	2-3	4000	0	1
	Scilly (St. Mary's)	1008.9	+10	SW'W	4	c	50	75	8	8	3	-	4-6	7-8	4000	1	2
	Guernsey ...	1010.4	+26	NW	2	c/pr	50	85	8	5	-	-	10	10	1500	1	3
6	Pembroke ...	1007.1	+4	SW	3	bc	49	95	8	4	6	-	23	4-6	1500	0	2
7	Holyhead ...	1005.4	+2	SSW	5	c	49	75	8	4	-	-	7-8	7-8	1500	1	2
	Chester (Sealand)	1006.4	+6	S'E	2	c/r	47	85	7	5	-	-	9+	9+	1500	1	*
8	L'pool (Bidston)	1006.2	+4	S'W	2	dd	46	95	7	5	-	-	9+	9+	2500	1	*
9	Harrogate ...	1008.1	-6	S'E	2	o	42	95	4	5	-	-	10	10	<150	1	*
10	Spurn Head ...	1008.6	0	S	4	bc	46	95	6	-	2	-	0	2-3	-	0	3
	Catterick ...	1006.7	-6	SSE	5	f-	41	(95)	2	5	-	-	10	10	<150	1	*
	Tynemouth ...	1006.4	0	S	3	o	42	95	6	5	-	-	10	10	800	1	2
11	Inchkeith ...	1003.1	-8	SE	3	ir.	48	95	7	6	2	-	4-6	10	2500	0	2
	Leuchars ...	1002.6	-14	SE	5	dr	45	85	6	5	-	-	9+	9+	1500	1	*
12	Renfrew ...	1001.5	-6	S	4	c	44	85	7	5	-	-	7-8	7-8	2500	1	*
	Eskdalemuir ...	1003.4	-2	SSW	5	rr	44	95	6	6	2	-	9+	10	800	1	*
13A	Tiree	994.1	-16	S	7	rr	45	85	7	6	7	-	9	10	1500	1	4
13B	Stornoway ...	991.5	-8	S	7	c	48	95	7	9	2	-	4-6	9+	1500	2	4
15	Dalwhinnie ...	999.7	-6	SSE	5	c	43	85	6	3	6	-	4-6	9	2500	1	*
	Aberdeen ...	1002.1	-14	SSE	5	c	48	85	6	5	7	-	7-8	9+	1500	1	3
	Wick	998.5	-14	S	8	c	48	85	7	8	1	8	4-6	7-8	2500	1	5
16	Lerwick ...	1002.1	-4	SSE	8	c	48	75	7	8	-	-	7-8	7-8	1500	0	*
17	Blacksod Point	999.5	+20	W	5	PR	47	75	7	3	-	-	7-8	7-8	450	1	4
18	Malin Head ...	995.7	-6	S	5	ir.	45	95	7	6	1	-	4-6	10	1500	0	2
	Aldergrove ...	1000.4	-6	S'E	4	ir.	44	85	7	6	1	-	4-6	10	1500	1	*
	Donaghadee ...	1000.9	0	WSW	2	c	45	75	7	5	-	-	9+	9+	1500	1	1
19	Birr Castle ...	1001.9	0	WSW	3	ir	47	85	8	6	2	-	7-8	10	1500	1	*
20	Valentia Obsy.	1005.8	+38	W	5	bc	49	65	8	8	-	-	2-3	2-3	2500	1	4
	Roches Point...	1004.1	0	SW	4	rr	51	95	7	6	-	-	10	10	1500	1	4

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. 20th (37)	Weather. 13h.–18h. 20th (38)	Weather. 18h. 20th to 1h. 21st (39)	Weather. 1h.–7h. 21st (40)
1	London (Kew)...	cEfwm.	om.	om.bm.	bcw
	Croydon ...	cm.3.	cm.w	cbm.wd	cm.bc
	S. Farnborough	cm.r.c	e,cd.d.	odrbbc	cbbc
	Winchester ...	cir.c	cd.cbcc	cb	bcr.
	Boscombe Down	cd.d.	cid.	cid.,bc	bcbm.
	Calshot, S'thmtn	cp.rc	cbc	cir.cw	bxcr.r.
	Dungeness ...	o	o	*	bc
	Lympne ...	c	cd.m.	cm.	cb
2	Shoeburyness	m.c	c	bcb	bwm.
	Felixstowe ...	c	cr.m.	cbc	bcbm.
	Gorleston ...	oid.c	c	cm.,id.	oid.c
	Cranwell ...	Fefe	ofbf	bfombm	cmbm.
3	Birmingham ...	c	cir.c	cir.	cbf
	Upper Heyford	cm.	pred.	cbr.	cbr.
	Leafield ...	c	co	cor.bc	bcbw
4	Ross-on-Wye ...	bc	cbcc	cr.cb	b
5	Portland Bill...	c	cp.rc	bc,c	RRcbc
	Plymouth ...	cr.r.	r	bbc	crrb
	Falmouth ...	bc	bc	bcPc	cbc
	Scilly (St. Mary's)	bc	bcp.c	ccrc	cbc
	Guernsey ...	cir bc	copr	bco	cor.r
6	Pembroke ...	bc	bc	cirb	bc
7	Holyhead ...	bbc, pr	cbc	rrq	bcb
	Chester (Sealand)	om.	cmid.	cir.mb	bcir.b
8	L'pool (Bidston)	bcobc	bc	d.cb	b. bw
9	Harrogate ...	oFfid.	oFm	moc.	cb ir
10	Spurn Head ...	oFcmc	bc	bcco	ocbc
	Catterick ...	Fe	Fe	fecrbc	cr.bc
	Tynemouth ...	bcm	bcm	oir.	obc
11	Inchkeith ...	bc	bcc	orrc	cprbc
	Leuchars ...	bcwbm	bccrdm	cqirm	cbcp.b
12	Renfrew ...	c	c,rcbc	c,rrpr	bcc
	Eskdalemuir ...	cbc	bccrr	cpir	cprb
13A	Tiree	bdPR	bcPc	RrP	cpr
13B	Stornoway ...	ciR	cir	ciRbc	bcir.
15	Dalwhinnie ...	ir	cr	*	bc
	Aberdeen ...	cbc	bccq	cqirm.	cr.bc
	Wick	cbc	bcc	cr.r	cr.r
16	Lerwick ...	c	c	coRRf	oRRc
17	Blacksod Point	ir	prcq	phrq	phrq
18	Malin Head ...	cp.c	cbcc	cirbcptr	bccir
	Aldergrove ...	cp.	bc	cPc	cb
	Donaghadee ...	cir.c	c	r.r.c	cbcb
19	Birr Castle ...	bc	b,cir	cirbc	bcbx
20	Valentia Obsy.	cpcp.	cprqcpbc	pr	pr.bc
	Roches Point...	bc	bcorr	orbcb	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.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s., slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

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

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.

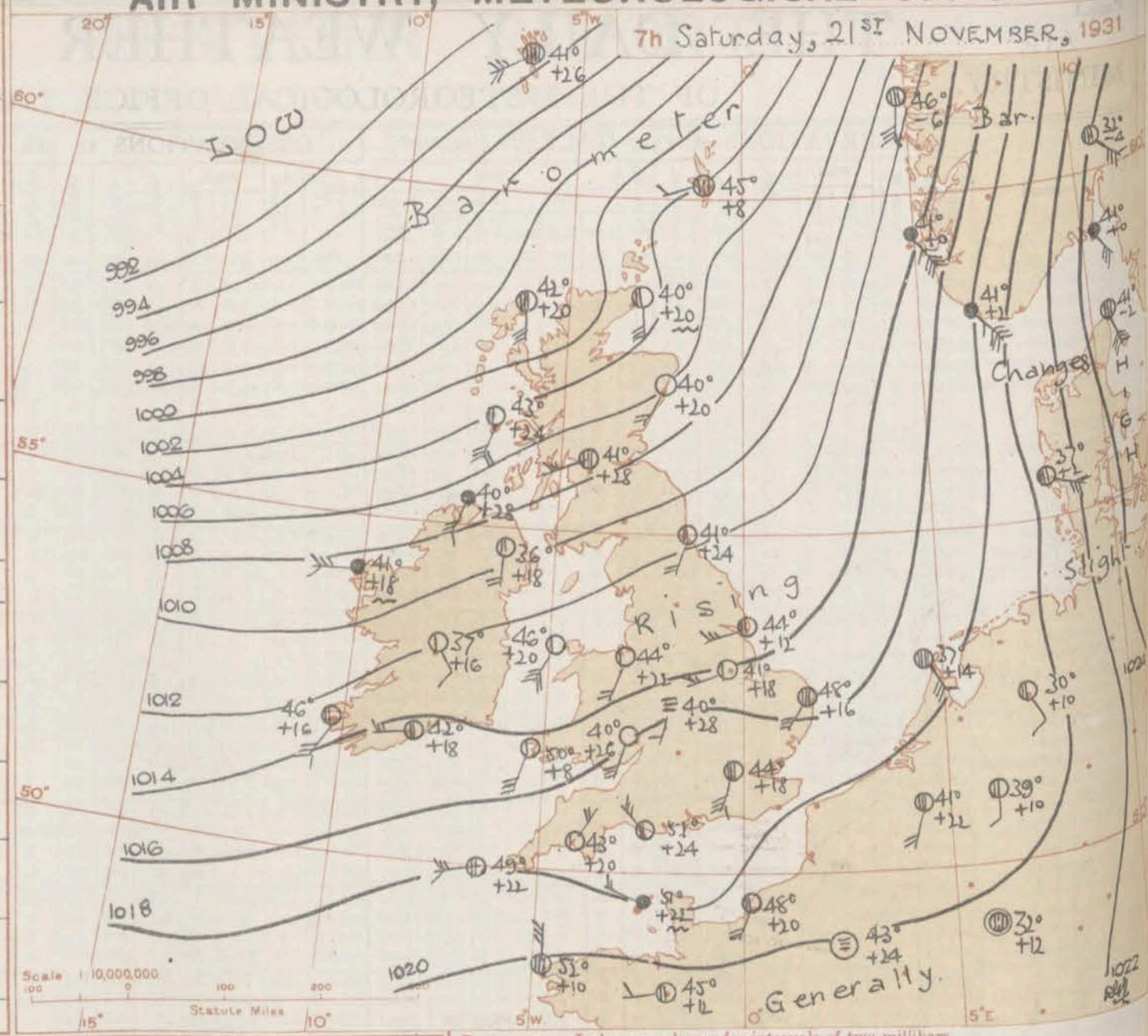
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 20th November 1931.

Districts	Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 19th to 20th 9h.	Temperature. Max. 9h.—17h. 20th	Rainfall. Night. 17h. 19th to 20th 9h.	Rainfall. Day. 9h.—17h. 20th	Sunshine. Sunrise to Sunset 20th
1	Tunbridge W.	bcc	coc	38	49	Trace	-	1·1
	Bournemouth	co	o	43	51	-	-	0·1
	Ventnor ...	ou	oubcu	48	52	-	-	0·1
	Southsea ...	o	o	45	52	-	-	0·0
	Bognor Regis	o	ouro	45	51	-	Trace	0·0
	Littlehampton	c	c	48	51	Trace	-	0·0
	Worthing ...	o	o	45	52	-	-	0·0
	Brighton ...	oc	rc	44	51	Trace	Trace	0·0
	Eastbourne†	o	odo	48	51	0·1	0·1	0·0
	Hastings† ...	oc	coc	46	51	-	-	0·0
	Folkestone ...	oco	ocdo	46	51	0·1	1	0·0
	Dover... ...	oc	co	47	51	Trace	-	0·0
	Deal	oco	o	45	50	-	-	0·0
	Ramsgate ...	c	c	46	50	-	-	0·2
	Margate ...	c	cd	45	50	-	Trace	0·2
2	Southend ...	bbco	o	44	50	Trace	-	2·1
	Maldon ...	mb	co	35	51	-	-	2·5
	Clacton-on-Sea	c	coq	45	50	-	-	0·6
	Dovercourt ...	oc	ocd	43	49	-	-	0·0
	Lowestoft ...	cod	c	42	49	Trace	-	0·0
	Skegness ...	fobc	bcom	37	49	0·3	-	3·4
	Mablethorpe	fobc	bbcom	31	47	0·3	-	3·3
	Cleethorpes ...	afec	brc	31	48	0·2	Trace	4·1
3	Leamington S.	bc	bcc	40	50	Trace	-	0·3
4	Cheltenham†	cm	cp	43	50	Trace	Trace	0·7
5	Bath	c	cr	40	51	Trace	Trace	0·0
	Weymouth ...	c	c	45	53	Trace	-	0·9
	Jersey ...	c	pcbcc	48	52	-	Trace	0·7
	Torquay ...	Rpor	brpmc	43	53	13	3	0·0
	Penzance ...	b	b	43	53	6	-	7·3
	St. Ives ...	b	b	45	53	9	-	6·5
	Bude	ptlc	cbcb	43	50	7	-	1·1
	Ilfracombe ...	br	oc	47	49	9	1	0·0
6	Aberystwyth	cpr	circ	45	50	4	3	0·1
7	Llandudno ...	cr	c	46	51	0·1	0·4	0·7
	Colwyn Bay...	bcco	ocbo	45	51	0·3	-	0·2
	Rhyl	bco	c	45	50	-	-	0·8
8	Wallasey ...	c	cbcir	42	49	-	0·3	0·6
	Southport‖ ...	ocbc	bcoro	42	50	-	1	1·3
	Blackpool ...	ocbc	cor	40	50	-	0·1	2·5
	Morecambe ...	cbbc	cbocd	39	51	-	Trace	2·4
9	Ilkley... ...	fomc	mc	37	43	-	-	0·0
10	Berwick-on-T.	bc	bcc	34	46	-	-	5·8
11	Dunbar ...	by	cm	42	48	-	-	5·8
12	Douglas ...	cbocd	cbbc	45	50	0·3	0·3	0·3

† 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. 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. 21st Nov. 1931.
1. S.E. England	All Districts.
2. E. England...	Moderate winds between south and west; considerable fair periods but occasional rain locally; 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	
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	

GENERAL INFERENCE.

A deep depression near Iceland is remaining stationary and filling up while pressure is rising generally over the British Isles. Considerable fair periods will be expereienced in all districts though occasional rain is expected locally.

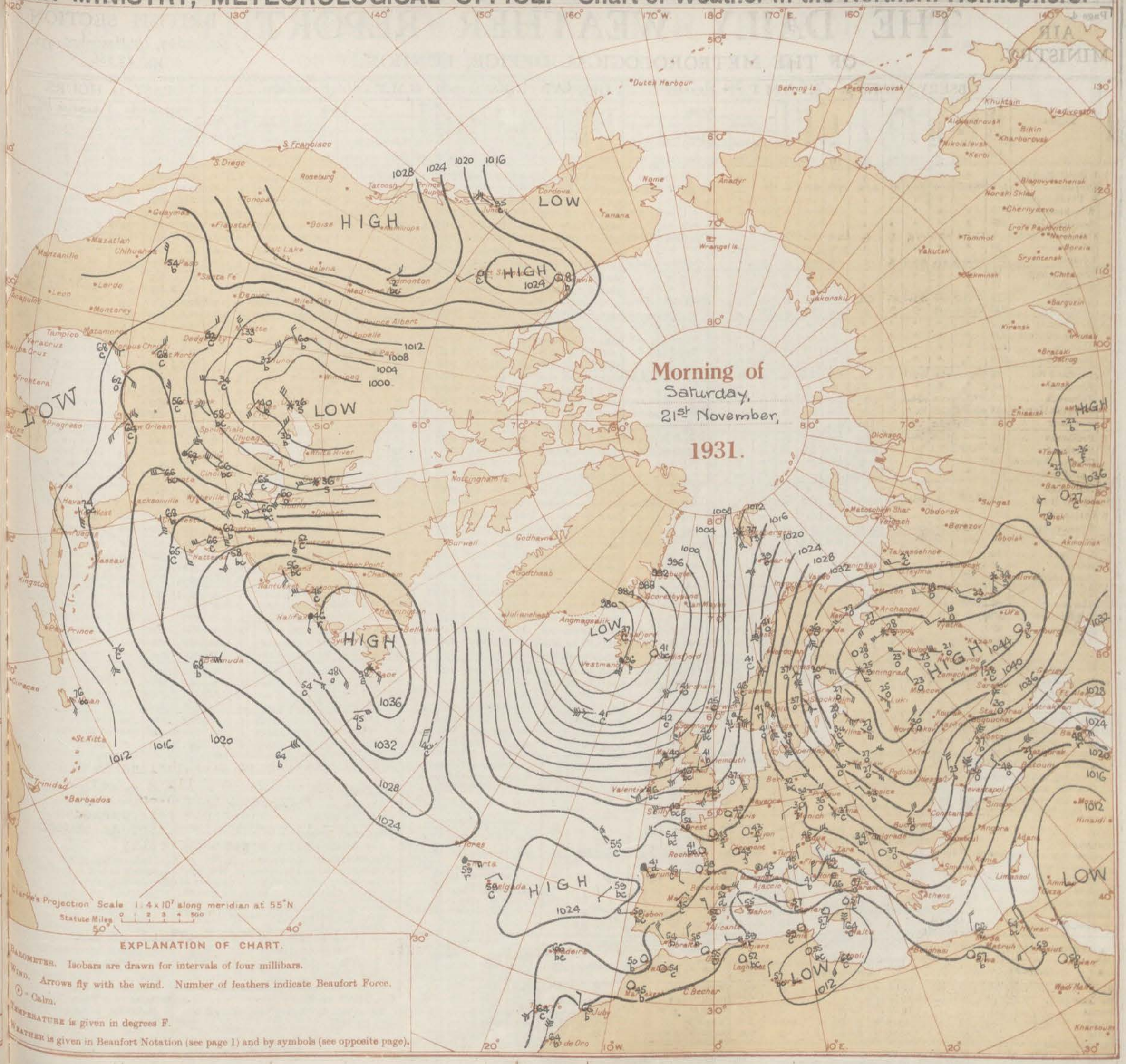
FURTHER OUTLOOK.

Similar in the East; doubtful in the West.

Forecasts issued at 0915 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

Saturday, 21st November 1931.

No. 25.566

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

District.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1012·6	+1·4	S'W	3	c/d	49	95	6	5	3	-	7·8	9	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1013·1	+2·4	W'S	3	b	44	95	7	5	-	-	Tr.	Tr.	2500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1014·3	+1·2	SSW	3	c	48	95	6	5	-	-	9+	9+	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1013·0	+4	SSW	4	id.	48	95	6	6	-	-	(10)	10	1500
	Cranwell ...	240	1010·4	+8	S	3	c	45	95	4	5	-	-	10	10	4000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	1012·6	+2·0	WSW	4	c	52	65	8	4	4	-	4·6	7·8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1012·1	+1·0	NNW	3	c	50	95	8	8	-	-	7·8	7·8	4000
	Scilly (St. Mary's)	163	1013·5	+2·0	NW	5	c	50	85	8	5	-	-	7·8	7·8	4000
	Guernsey ...	175	1015·8	+2·0	W	1	bc	46	85	9	8	-	-	4·6	4·6	2500
6	Pembroke ...	142	1010·9	+2·0	SW	2	bc	50	95	8	5	-	-	2·3	2·3	4000
7	Holyhead ...	26	1008·3	+2·2	W	5	bcq	48	85	8	2	-	-	~~4·6~~ 2·3	~~4·6~~ 2·3	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1009·1	0	SSW	4	o	47	95	6	5	-	-	10	10	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1005·5	0	SW	2	o/r	45	95	6	6	-	-	10	10	1500
11	Inchkeith ...	190	1004·1	+4	SW	3	c	44	95	8	5	2	-	4·6	9	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	999·9	+1·8	S	2	bc	42	95	7	3	-	-	4·6	4·6	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	997·1	+0·6	SSW	6	r.r.	47	85	8	9	1	-	7·8	9+	1500
16	Lerwick ...	54	999·1	+4·4	SSE	8	RR	45	85	6	6	-	-	10	10	800
17	Blacksod Point	18	1004·2	+1·0	W	5	PHR	45	75	7	3	-	-	7·8	7·8	450
18	Malin Head ...	52	1002·0	+2·0	S'W	4	bcjp	42	85	7	3	-	-	4·6	4·6	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1009·5	+2·0	W	4	bc	47	95	8	8	-	-	4·6	4·6	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)...	1017·2	+2·2	SSW	2	bc	44	95	7	5	7	-	2·3	4·6	1500	1	*
Croydon ...	1016·7	+1·8	SW'S	4	c	44	85	6	5	3	-	4·6	7·8	2500	1	*
S. Farnborough	1016·9	+1·6	SSW	2	c	44	95	8	5	-	-	9+	9+	1500	1	*
Winchester ...	1017·6	+2·2	SE	1	c/r	43	95	7	5	-	-	9	9	5700	1	*
Boscombe Down	1017·2	+2·4	-	0	b	41	95	6	5	-	-	1	1	4000	1	*
Calshot, (S'thmtn)	1016·7	+1·6	SW'S	2	id.	48	95	6	6	1	-	7·8	9+	1500	1	1
Dungeness ...	*	*	WSW	2	bc	*	*	7	5	-	*	2·3	2·3	1500	*	1
Lympne ...	1018·0	+2·2	W'S	3	b	43	95	8	-	6	-	0	1	-	1	*
Shoeburyness	1017·4	+2·0	SW	2	b	39	95	6	5	-	-	1	1	4000	1	*
Felixstowe ...	1016·8	+2·0	SW'S	2	b	46	95	5	5	-	-	1	1	4000	0	0
Gorleston ...	1015·3	+1·6	SW	3	c	48	95	6	4	-	-	9	9	2500	0	2
Cranwell ...	1014·7	+1·8	WSW	3	b	41	95	6	5	-	-	1	1	4000	1	*
Birmingham ...	1016·2	+2·8	SW	2	bf	40	95	3	-	-	-	0	0	-	1	*
Upper Heyford	1016·4	+2·2	WSW	2	c	41	95	6	5	3	-	4·6	7·8	220	1	*
Leafield ...	1016·3	+2·6	W'S	3	fg	39	95	6	5	~~6~~	-	Tr.	Tr.	2500	1	*
Ross-on-Wye ...	1016·3	+2·6	SW	2	b	40	95	8	-	-	-	0	0	-	1	*
Portland Bill....	1016·6	+2·4	NW	3	bc	51	75	8	4	6	-	2·3	4·6	2500	1	3
Plymouth ...	1017·7	+2·0	NNE	2	b	43	95	7	-	-	1	0	1	-	1	1
Falmouth ...	1016·9	+1·2	WNW	3	bc	47	85	8	8	-	-	2·3	2·3	4000	1	1
Scilly (St. Mary's)	1017·9	+2·2	W	4	bc	49	85	8	2	4	-	4·6	4·6	4000	1	3
Guernsey ...	1018·2	+2·2	WNW	2	rr	61	95	6	6	-	-	10	10	1500	1	4
Pembroke ...	1014·2	+8	SW	3	b	50	95	8	5	6	-	Tr.	1	2500	1	2
Holyhead ...	1012·9	+2·0	SWW	5	b	46	85	8	2	-	-	1	1	2500	1	2
Chester (Sealand)	1013·7	+2·2	SW	2	b	44	75	8	5	-	-	Tr.	Tr.	4000	1	*
L'pool (Bidston)	1013·6	+2·6	WSW	4	bc	41	85	8	7	-	-	2·3	2·3	2500	0	*
Harrogate ...	1013·3	+2·6	SSW	1	bc	40	95	6	3	-	-	2·3	2·3	2500	1	*
Spurn Head ...	1013·0	+1·2	WSW	3	bc	44	95	7	4	3	-	2·3	4·6	4000	0	2
Catterick ...	1012·2	+2·4	S	4	bc	39	95	7	8	-	-	4·6	4·6	1500	1	*
Tynemouth ...	1011·0	+2·4	SSW	2	bc	41	95	6	5	-	-	2·3	2·3	1500	1	2
Inchkeith ...	1007·8	+1·8	SSW	3	bc	42	95	8	7	-	-	2·3	2·3	4000	0	2
Leuchars ...	1007·7	+2·2	WSW	4	bc	39	95	7	8	4	-	2·3	2·3	2500	1	*
Renfrew ...	1008·2	+2·8	WSW	3	c	41	85	8	8	-	3	7·8	7·8	1500	1	*
Eskdalemuir ...	1010·0	+2·0	WSW	4	c	37	95	8	5	-	-	9	9	1500	1	*
Tiree	1004·3	+2·4	SSW	5	bc	43	75	8	8	-	-	4·6	4·6	2500	1	3
Stornoway ...	1000·4	+2·0	S	3	c	42	85	7	6	1	-	4·6	7·8	1500	1	1
Dalwhinnie ...	1006·3	+2·4	SW	1	bc	35	85	7	4	-	-	4·6	4·6	1500	1	*
Aberdeen ...	1006·1	+2·0	SW	2	b	40	85	8	-	-	-	0	0	-	1	1
Wick	1002·3	+2·0	SSW	3	bc	40	85	8	8	-	8	2·3	2·3	4000	1	4
Lerwick ...	1001·1	+1·8	WSW	1	c	45	85	7	5	-	-	9+	9+	1500	1	*
Blacksod Point	1009·9	+1·8	W	4	PR	41	85	7	3	-	-	9+	9+	450	1	4
Malin Head ...	1007·3	+2·8	SW	4	ir	40	95	7	9	-	-	9+	9+	1500	1	3
Aldergrove ...	1010·0	+1·8	S	2	bc	36	95	8	5	-	-	2·3	2·3	1500	1	*
Donaghadee ...	1009·5	+1·6	W	2	bc	38	85	7	5	-	-	2·3	2·3	1500	1	1
Birr Castle ...	1012·2	+1·6	SE	1	b	37	95	8	1	-	-	1	1	2500	1	*
Valentia Obsy.†	1014·0	+1·6	SW	4	bc	46	65	8	8	-	-	4·6	4·6	2500	1	*
Roches Point...	1014·6	+1·8	W	3	bc	42	85	8	5	-	-	4·6	4·6	2500	1	2

PAST 24 HOURS.

Stations.	Temperature. Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Night 18h-7h mm. (35)	Sunshine 20th Hrs. (36)
London (Kew)...	49	42	33	Tr.	Tr.	0·1
Croydon ...	49	40	36	Tr.	Tr.	1·2
S. Farnborough	49	39	27	0·2	0·2	0·0
Winchester ...	50	36	29	Tr.	0·1	0·0
Boscombe Down	49	37	31	0·1	Tr.	*
Calshot, (S'thmtn)	51	42	33	Tr.	0·6	0·1
Dungeness ...	51	44	*	-	-	*
Lympne ...	49	43	36	Tr.	-	0·0
Shoeburyness	50	36	31	-	Tr.	1·6
Felixstowe ...	50	45	37	Tr.	-	0·7
Gorleston ...	49	47	43	Tr.	Tr.	0·0
Cranwell ...	43	39	35	0·1	-	0·1
Birmingham ...	49	37	37	0·1	0·3	0·6
Upper Heyford	48	39	36	0·1	0·3	*
Leafield ...	47	38	30	-	0·3	1·1
Ross-on-Wye ...	52	39	31	-	0·2	3·1
Portland Bill....	53	49	*	0·1	1	*
Plymouth ...	49	38	33	1	1	0·8
Falmouth ...	51	45	*	-	0·3	6·7
Scilly (St. Mary's)	52	48	*	0·1	2	-
Guernsey ...	52	45	34	0·2	0·2	2·3
Pembroke ...	51	47	*	-	1	5·0
Holyhead ...	51	46	40	0·3	8	1·8
Chester (Sealand)	49	41	32	Tr.	0·5	0·0
L'pool (Bidston)	48	40	37	0·1	0·6	0·4
Harrogate ...	42	39	33	Tr.	1	0·0
Spurn Head ...	47	44	*	Tr.	-	3·7
Catterick ...	41	36	30	0·2	1	*
Tynemouth ...	47	40	34	-	0·2	*
Inchkeith ...	49	41	38	-	1	4·8
Leuchars ...	49	37	29	Tr.	2	4·2
Renfrew ...	48	39	33	1	4	0·3
Eskdalemuir ...	46	35	30	2	7	2·8
Tiree	51	39	34	2	7	0·6
Stornoway ...	51	39	*	3	4	0·0
Dalwhinnie ...	44	33	29	1	8	0·0
Aberdeen ...	48	39	31	-	2	0·1
Wick	48	39	*	-	0·2	*
Lerwick ...	49	44	*	-	4	0·0
Blacksod Point	51	38	*	7	4	*
Malin Head ...	48	37	*	0·2	6	1·6
Aldergrove ...	50	35	31	0·2	2	4·5
Donaghadee ...	52	36	*	1	2	*
Birr Castle ...	49	36	30	0·3	1	4·2
Valentia Obsy.†	51	43	38	3	2	0·8
Roches Point...	51	42	*	3	3	*

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather Morning. (24 hrs. ended 9h.)	Weather Afternoon.	Weather Night.	Temperature Day Max. °F.	Night Min. °F.	Min. on Grass °F.	Rainfall Day. mm.	Rainfall Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity 15h. G.M.T. % (Yesterday.)	Humidity 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
KEW	18	cEfwm.	om.	om.bbcw	49	42	33	Tr.	Tr.	0.1	*	*	5
CROYDON	217	cm.3.	cm.w	cbmwfbc	49	40	36	Tr.	Tr.	1.2	*	*	6
GREENWICH (Royal Observatory) ...	149	bc	c	cbwcdm	49	40	30	-	0.3	1.0	86	87	4
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	50	44	36	-	-	0.0	79	85	*
REGENTS PK. (Botanic Gardens) ...	168	*	*	*	*	*	*	*	*		*	*	*
CAMDEN SQUARE	110	fe	c	*	48	44	38	-	Tr.	*	*	88	*
KENSINGTON	80	bmwcm	com	*	49	43	34	-	0.1	0.0	At 18h. 89	87	*
HAMPSTEAD OBSERVATORY	450	of	c	c	48	40	34	Tr.	Tr.	0.0	*	93	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 21st

SOUTH KENSINGTON.

Max.	Time.	Min.	Time.
1.7	20h.20m	Nil	3-6h. 21st

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
0.6	18h.20m	<0.1	3h.21st

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 20th November Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 21st November 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	1013.3	SSE	5	3	48	1020.3	-	0	F	43	50	39	Tr.	-
BRUSSELS	1013.8	SE	3	c	46	1019.6	SSW	2	c	41	54	39	-	Tr.
BERLIN	1023.6	ESE	4	c	37	1021.6	E'S	4	bc	32	50	30	-	-
ZÜRICH	1018.4	ES'E	1	om	37	1022.6	S	1	om	37	43	36	-	-
ROME	1015.7	ENE	2	0	52	1020.6	NNE	3	b	41	54	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	64–76
3	8–12	7	32–38	12	75
		8	39–46		

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 22nd November, 1931.

No. 25,567

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

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	+14	W	2	b	50	65	6	–	–	–	0	0	–
	Croydon	1020.5	+12	WNW	2	b	52	65	6	–	–	1	0	Tr	–
	S. Farnborough	1020.6	+10	W'N	2	b	52	65	8	1	4	–	Tr	Tr	4000
	Winchester	1020.8	+10	NW	3	b	53	65	8	1	–	1	Tr	1	2500
	Boscombe Down	1020.9	+10	W	3	b	53	65	7	1	–	–	Tr	Tr	4000
	Calshot, S'thmtn	1021.0	+10	SSW	2	b	54	75	7	1	4	1	Tr	1	4000
	Dungeness	*	*	SW	2	c	*	*	7	3	3	–	4-6	9	1500
	Lympne	1021.2	+12	NW'N	3	c/pr	48	95	6	6	–	–	9+	9+	800
2	Shoeburyness	1021.0	+20	NW	1	b	51	75	7	1	–	–	Tr	Tr	4000
	Felixstowe	1020.8	+20	W	2	c	49	85	6	5	–	–	7-8	7-8	1500
	Gorleston	1019.6	+20	NW'N	2	bc	49	85	6	7	–	–	2-3	2-3	4000
	Cranwell	1019.1	+14	WSW	3	b	50	75	6	1	–	–	Tr	Tr	2500
3	Birmingham	1019.3	+10	SW	3	b	49	65	7	1	–	–	1	1	1500
	Upper Heyford	1020.5	+14	SW'W	3	b	51	75	7	1	–	–	Tr	Tr	2500
	Leafield	1020.5	+16	SW'S	2	b	50	75	8	1	–	–	Tr	Tr	2500
4	Ross-on-Wye	1019.6	+14	SW	3	bc	51	65	6	2	–	–	4-6	4-6	4000
5	Portland Bill	1021.9	+8	WNW	3	bc	54	65	8	1	6	–	2-3	4-6	2500
	Plymouth	1021.1	+12	S	1	c	52	85	6	3	–	1	9	9	1500
	Falmouth	1020.3	+4	SW'W	4	bc	54	85	8	8	–	–	4-6	4-6	4000
	Scilly (St. Mary's)	1021.0	+10	WSW	4	bc	53	75	8	7	4	–	2-3	4-6	4000
	Guernsey	1021.9	+14	–	0	c	53	65	7	8	6	8	4-6	7-8	2500
6	Pembroke	1019.9	+6	SSW	2	bc/r	51	95	8	3	5	–	2-3	4-6	1500
7	Holyhead	1016.9	+14	SW'W	4	bc	51	65	8	1	8	–	2-3	2-3	2500
	Chester (Sealand)	1018.5	+16	SW'W	3	bc	52	55	8	2	3	–	2-3	4-6	4000
8	L'pool (Bidston)	1017.9	+10	WSW	3	bc	50	65	9	8	–	–	4-6	4-6	2500
9	Harrogate	1017.6	+10	SSW	2	bc	47	75	5	8	–	–	4-6	4-6	2500
10	Spurn Head	1018.2	+6	W	3	bc	50	75	6	5	–	1	2-3	4-6	1500
	Catterick	1017.1	+24	SW	2	bc/pr	44	85	8	8	–	3	4-6	4-6	2500
	Tynemouth	1014.9	+20	SW	2	bc	49	75	6	2	–	–	4-6	4-6	2500
11	Inchkeith	1012.4	+24	WSW	4	bc	45	85	8	2	–	–	2-3	2-3	4000
	Leuchars	1012.8	+18	SW	4	bc	43	75	7	8	6	–	4-6	4-6	1500
12	Renfrew	1013.6	+24	SW	4	bc	43	75	7	8	4	8	2-3	2-3	2500
	Eskdalemuir	1014.7	+10	SW'W	5	bc	41	75	8	1	–	–	4-6	4-6	2500
13A	Tiree	1009.1	+20	SW	6	c	46	65	8	3x	7	8	2-3	7-8	1500
13B	Stornoway	1005.5	+12	SW	4	c	46	95	8	9	–	–	7-8	7-8	800
15	Dalwhinnie	1011.1	+24	SW	3	S	34	95	5	4	–	–	10	10	800
	Aberdeen	1011.6	+24	SSW	2	b	45	85	6	8	4	–	1	1	2500
	Wick	1007.8	+28	SSW	3	bc	44	75	8	7	4	1	4-6	4-6	4000
16	Lerwick	1006.1	+22	WSW	2	bc	46	65	8	8	–	–	4-6	4-6	1500
17	Blacksod Point	1012.0	+26	W	5	PR(R)	47	75	8	3	–	–	7-8	7-8	450
18	Malin Head	1012.2	+26	WSW	5	r₀r₀	41	95	7	9	–	–	9+	9+	1500
	Aldergrove	1014.3	+14	S'W	4	b	44	75	8	8	3	–	1	1	1500
	Donaghadee	1014.3	+12	W'S	2	bc	45	75	8	8	–	–	2-3	2-3	2500
19	Birr Castle	1016.1	+14	SW	3	bc	47	75	8	2	4	–	1	2-3	2500
20	Valentia Obsy.	1017.5	+14	WSW	3	bc/pr	45	75	8	9	–	–	4-6	4-6	2500
	Roches Point	1017.7	+14	W	3	bc	47	75	8	5	–	–	4-6	4-6	2500

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

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)	1024.2	+22	SW	1	bf	41	95	3	–	–	–	0	0	–	1	*
	Croydon	1023.7	+18	SW	1	bc	40	85	4	–	–	1	0	2-3	–	1	*
	S. Farnborough	1024.0	+22	S	1	bf	40	95	3	–	4	1	0	1	–	1	*
	Winchester	1024.1	+20	–	0	bc	39	95	5	–	–	1	0	4-6	–	1	*
	Boscombe Down	1023.5	+20	S	2	bc	45	85	7	–	–	1	0	2-3	–	1	*
	Calshot, S'thmtn	1023.5	+16	SSW	2	bc	47	85	7	5	–	5	1	2-3	4000	0	0
	Dungeness	*	*	–	0	c	*	*	6	5	1	*	4-6	7-8	2500	*	0
	Lympne	1024.0	+16	N	2	bf	43	95	3	–	–	–	0	0	–	1	*
2	Shoeburyness	1024.1	+20	–	0	b	39	95	4	–	3	–	0	Tr	–	0	*
	Felixstowe	1024.0	+20	–	0	bc	40	95	6	–	–	6	0	4-6	–	0	0
	Gorleston	1023.0	+14	W'S	1	b	45	85	6	–	–	–	0	0	–	0	2
	Cranwell	1022.6	+24	SW'S	2	bc	39	95	5	–	–	9	0	2-3	–	1	*
3	Birmingham	1022.4	+20	WSW	1	bc	44	85	4	1	–	–	4-6	4-6	1500	1	*
	Upper Heyford	1023.4	+18	SW	2	bc	42	95	6	–	–	6	0	4-6	–	1	*
	Leafield	1023.3	+16	S'W	2	c	41	95	8	5	–	6	Tr	7-8	4000	1	*
4	Ross-on-Wye	1022.3	+14	SE	2	c	44	85	6	8	9	–	2-3	9	4000	1	*
5	Portland Bill	1023.3	+16	WSW	3	c	53	75	8	–	6	4	0	9	–	1	3
	Plymouth	1023.3	+16	–	0	c	47	95	6	3	–	–	9	9	800	1	0
	Falmouth	1022.7	+6	SW'W	3	c	49	95	8	8	4	–	4-6	7-8	4000	0	2
	Scilly (St. Mary's)	1023.1	+14	SW	4	bc	50	85	8	8	4	–	4-6	4-6	4000	1	3
	Guernsey	1024.4	+24	WSW	1	c	45	85	7	1	1	–	2-3	7-8	4000	1	2
6	Pembroke	1020.5	+14	W'N	2	d	48	95	7	6	2	–	7-8	9+	1500	1	2
7	Holyhead	1019.5	+22	SW'W	3	c	48	75	8	5	–	–	9+	9+	4000	1	1
	Chester (Sealand)	1021.4	+16	SE	2	c	42	75	6	5	–	–	7-8	7-8	5700	1	*
8	L'pool (Bidston)	1020.8	+16	SSW	3	bc	44	75	8	1	6	–	2-3	4-6	4000	0	*
9	Harrogate	1020.9	+20	SW	2	b	41	75	7	–	–	–	0	0	–	1	*
10	Spurn Head	1021.1	+6	SW'W	3	bc	44	85	6	5	3	1	2-3	4-6	1500	0	2
	Catterick	1020.2	+22	S	1	bc	40	85	8	4	–	–	2-3	2-3	4000	1	*
	Tynemouth	1018.5	+24	SW	2	bc	43	85	7	5	–	–	4-6	4-6	1500	0	2
11	Inchkeith	1016.7	+26	SW	3	bc	43	85	7	5	–	–	2-3	2-3	2500	0	2
	Leuchars	1016.4	+22	SW	3	b	37	85	6	4	–	–	1	1	4000	1	*
12	Renfrew	1017.3	+22	SSW	2	b	39	85	7	8	–	–	Tr	Tr	2500	1	*
	Eskdalemuir	1018.7	+26	SSW	3	b	35	95	8	5	–	–	Tr	Tr	2500	1	*
13A	Tiree	1012.4	+20	SW	6	bc/hr	45	65	7	3	–	8	2-3	2-3	1500	1	4
13B	Stornoway	1009.4	+26	SW	4	c	44	85	8	8	–	–	7-8	7-8	1500	1	2
15	Dalwhinnie	1015.5	+20	SW	4	S	35	75	8	4	–	–	4-6	4-6	1500	8	*
	Aberdeen	1015.6	+30	SW	1	c	41	85	6	5	7	–	2-3	7-8	2500	1	1
	Wick	1011.5	+20	SSW	3	bc	41	85	8	8	4	8	4-6	4-6	2500	1	3
16	Lerwick	1010.2	+14	WSW	2	c	45	75	8	8	–	–	7-8	7-8	1500	0	*
17	Blacksod Point	1014.7	+18	W	5	q	46	65	7	3	–	–	7-8	7-8	450	0	4
18	Malin Head	1014.6	+32	SSW	4	pr₀	42	95	7	9	–	–	4-6	4-6	1500	1	4
	Aldergrove	1017.5	+22	S	3	b	39	85	8	8	–	–	1	1	1500	1	*
	Donaghadee	1017.9	+20	W	2	b	40	85	7	–	–	–	0	0	–	0	1
19	Birr Castle	1019.3	+16	SW	1	bc	39	95	8	2	4	–	1	2-3	2500	1	*
20	Valentia Obsy.	1019.9	+18	SSW	3	bc	43	75	9	3	–	–	2-3	2-3	2500	1	3
	Roches Point	1020.2	+18	W	3	bc	44	85	8	5	–	–	2-3	2-3	2500	0	2

PAST 24 HOURS.

Stations	Weather 7h.–13h. 21st (37)	Weather 13h.–18h. 21st (38)	Weather 18h. 21st to 1h. 22nd (39)	Weather 1h.–7h. 22nd (40)
London (Kew)	cm₀wb	bz₀bf	bfc fx	ofx
Croydon	cbz₀	bz₀m₀	cm₀bw	bm₀w
S. Farnborough	cb	bbwf	bfcbcf	cpbF
Winchester	cbcbm₀b	bbcm₀	bcm₀x	cm₀xbff
Boscombe Down	bm₀b	bbc	bc bc	bcff
Calshot, S'thmtn	cid₀b	bbc	cbcwc	bcpr
Dungeness	d	bc	*	bc
Lympne	bccpr	bcm₀bf	bcfc	cbcx
Shoeburyness	cbc	b	bmx	bxff
Felixstowe	bm₀cir₀	bcz₀bm₀	bcb	bbcfxcm
Gorleston	cbc	bcb	bbc	bcm₀
Cranwell	bm₀z₀	bbcm₀	corrm₀	oRFo
Birmingham	fbb	bbcm	bcor	ob
Upper Heyford	bcmfb	bbc	bcbw	b₀ofcmx
Leafield	b	bbc	bcx	bcxlf
Ross-on-Wye	b	cbbcc	cpcro	cmF
Portland Bill	bc	bc	c	c. bc
Plymouth	bm₀c	cm₀pr	cmPR	bwcv
Falmouth	bc	bc	bcp₀	bcfc
Scilly (St. Mary's)	bc	p₀bc	bc	bcc
Guernsey	orc	cbc	bcbwo	bbcw
Pembroke	bcp	bcirc	bc	bc
Holyhead	bbcb	bc	prbc	bc
Chester (Sealand)	bbc	bcyz₀	cRrc	bcbm
L'pool (Bidston)	bbcv	bc	bcrc	cb
Harrogate	bbc	bcb	bbc	bx
Spurn Head	bc	bc	bczcr	crrbc
Catterick	bcprPR	jpbcb	bm	fFx
Tynemouth	bcm	bc	bcff	bcb
Inchkeith	bc	bc	bcb	b
Leuchars	bbc	bcbwm₀	bwmbx	bx
Renfrew	cbcjp	bcb	bbx	bx
Eskdalemuir	cbbc	bcjpb	bx	bxcx
Tiree	cprq	prbcq	bcipr	PRq
Stornoway	c	cpr₀	cpr₀	cpr₀bc
Dalwhinnie	S	S	;	bc
Aberdeen	b z₀	bcez₀	cbcb	bcbx
Wick	bc	bc	bc	bc
Lerwick	cbc	bcc	bc	bc
Blacksod Point	phrq	phrq	phr	prc
Malin Head	cphr	cir₀bcpr₀	bcpr₀bcb	bbcc
Aldergrove	bcb	b	bx	bx
Donaghadee	b	b	b	b
Birr Castle	bcprbc	bc	bc	bcx
Valentia Obsy.	pr₀phprbc	pr₀bcpr	pr₀	bbcc
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.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jP, precipitation within sight of station.
ks, storm of drifting snow.
k/s₀, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s₀/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
kQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
R, heavy rain. 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.

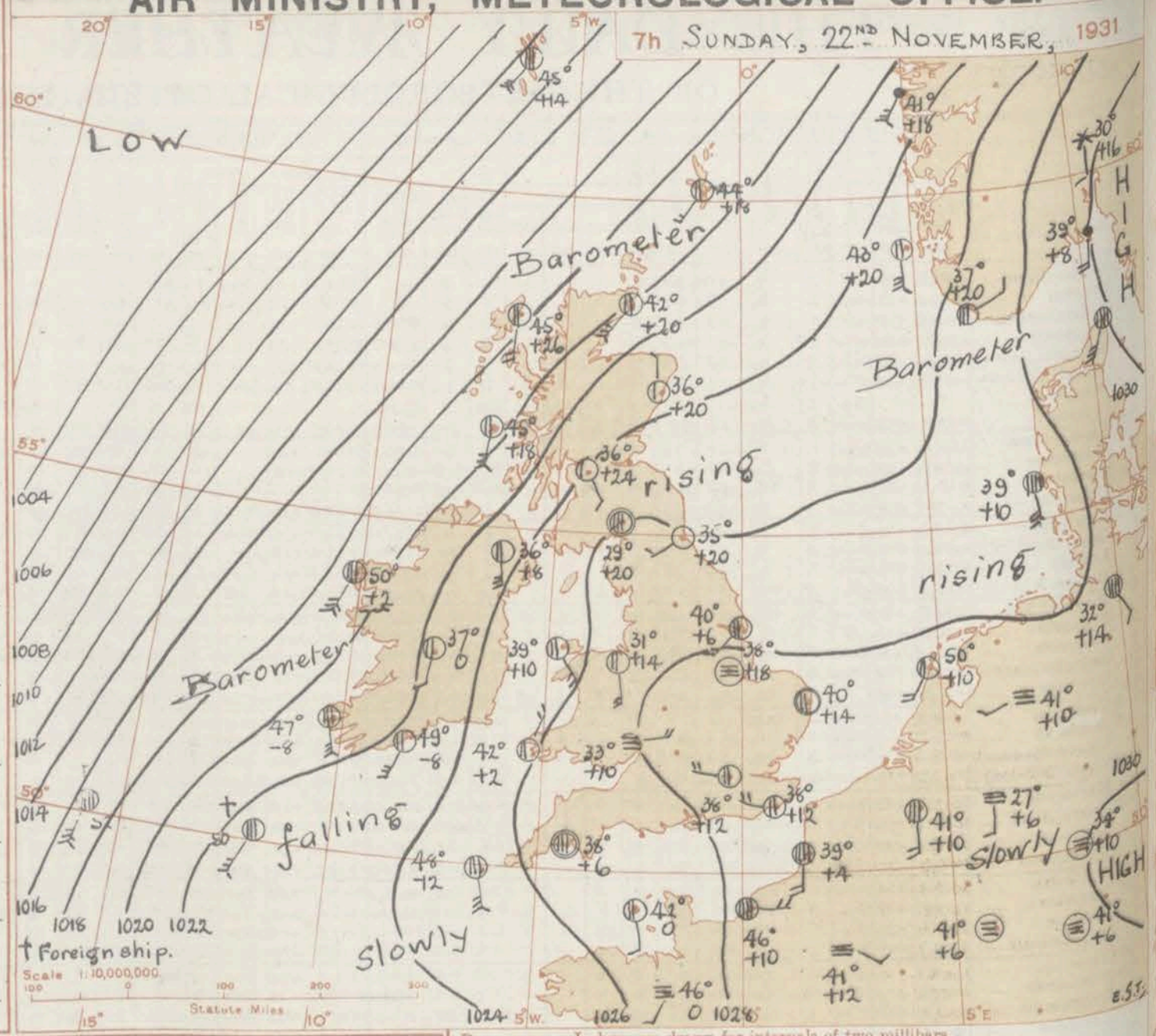
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 21st NOVEMBER 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 Sunset. 21st
1	Tunbridge W.	cedbc	bcb	37	51	Tr	1	4.4
	Bournemouth	b	b	38	54	1	-	7.1
	Ventnor ...	orbc	b	49	54	2	Tr	5.8
	Southsea ...	bcpb	b	40	53	1	-	7.0
	Bognor Regis	rbcb	b	41	54	2	-	5.5
	Littlehampton	bc	bc	46	57	1	-	6.0
	Worthing ...	od.c	cbcb	40	54	0.3	Tr	3.9
	Brighton ...	dcbc	bc	39	53	Tr	Tr	4.0
	Eastbourne†	bcdo	cbcbbc	42	54	Tr	0.5	2.9
	Hastings† ...	bmcpc	cbcb	42	54	Tr	0.3	2.8
	Folkestone ...	wbbc	odcb	43	54	-	0.4	3.1
	Dover... ...	bcc	cpbf	45	54	-	0.3	3.6
	Deal	bo	r.bc	43	55	-	Tr	3.5
	Ramsgate ...	bbcd	bc	44	53	-	Tr	3.4
	Margate ...	bccd	cbc	44	50	-	Tr	4.0
2	Southend ...	bbcm	bfz	43	53	Tr	-	5.6
	Maldon ...	c	b	36	52	-	-	4.0
	Clacton-on-Sea	bccbc	bc	44	51	-	-	4.1
	Dovercourt ...	dbcoc	bcb	?	52	Tr	-	?
	Lowestoft ...	d.cbc	b	45	51	Tr	-	5.0
	Skegness ...	b	bc	40	51	Tr	-	6.5
	Mablethorpe	b	b	37	51	-	-	6.6
	Cleethorpes ...	wbzb	b	36	51	-	-	6.1
3	Leamington S.	b	b	40	50	0.4	-	5.8
4	Cheltenham†	bz.ob	bbcc	40	51	1	-	5.6
5	Bath	b	bbcc	36	54	1	-	7.0
	Weymouth ...	fb	b	42	57	1	-	6.8
	Jersey ...	crc	c	42	54	-	1	0.3
	Torquay ...	pmbw	bbcc	37	57	1	-	6.3
	Penzance ...	cpr	cprc	42	56	1	0.3	6.0
	St. Ives ...	b	b	44	54	-	-	5.1
	Bude	cbc	bcc	42	54	0.3	-	5.6
	Ilfracombe ...	bcdc	bbc	44	53	1	0.1	4.9
6	Aberystwyth	cprbc	cprh	43	51	2	10	3.1
7	Llandudno ...	b	bbc	45	51	2	-	6.9
	Colwyn Bay...	b	bbc	44	51	3	-	7.1
	Rhyl	b	bbc	39	53	2	-	6.9
8	Wallasey ...	b	bbc	39	51	1	-	6.6
	Southport‖ ...	bc	c	42	51	2	-	6.5
	Blackpool ...	c	cbcc	43	51	5	-	4.8
	Morecambe ...	rcrc	dpbcc	41	50	5	Tr	4.0
9	Ilkley... ...	cbcc	bcb	38	49	1	-	1.1
10	Berwick-on-T.	bc	bc	38	46	0.4	-	6.7
11	Dunbar ...	bc	bc	39	46	1	-	6.7
12	Douglas ...	bc	bc	42	50	3	-	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 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. 22nd Nov., 1931.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Light variable to moderate southeasterly wind, fair apart from local fog; temperature moderate but local ground frost at night.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Moderate southeasterly wind, freshening, cloudy, perhaps rain later; moderate temperature.
9. N. Midlands 10. N.E. England 11. S.E. Scotland	As 1 - 4.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Southerly wind, moderate to fresh or strong; cloudy, perhaps rain later; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind southeast or south, fresh or strong; cloudy, rain later; moderate temperature.

GENERAL INFERENCE.

The depression near Iceland continues to fill up but further disturbances are approaching from the Atlantic. Winds will be mainly from between southeast and south, strong at times on the Western Seaboard. Weather will continue fair apart from fog in the east but will become less settled in the west.

FURTHER OUTLOOK.

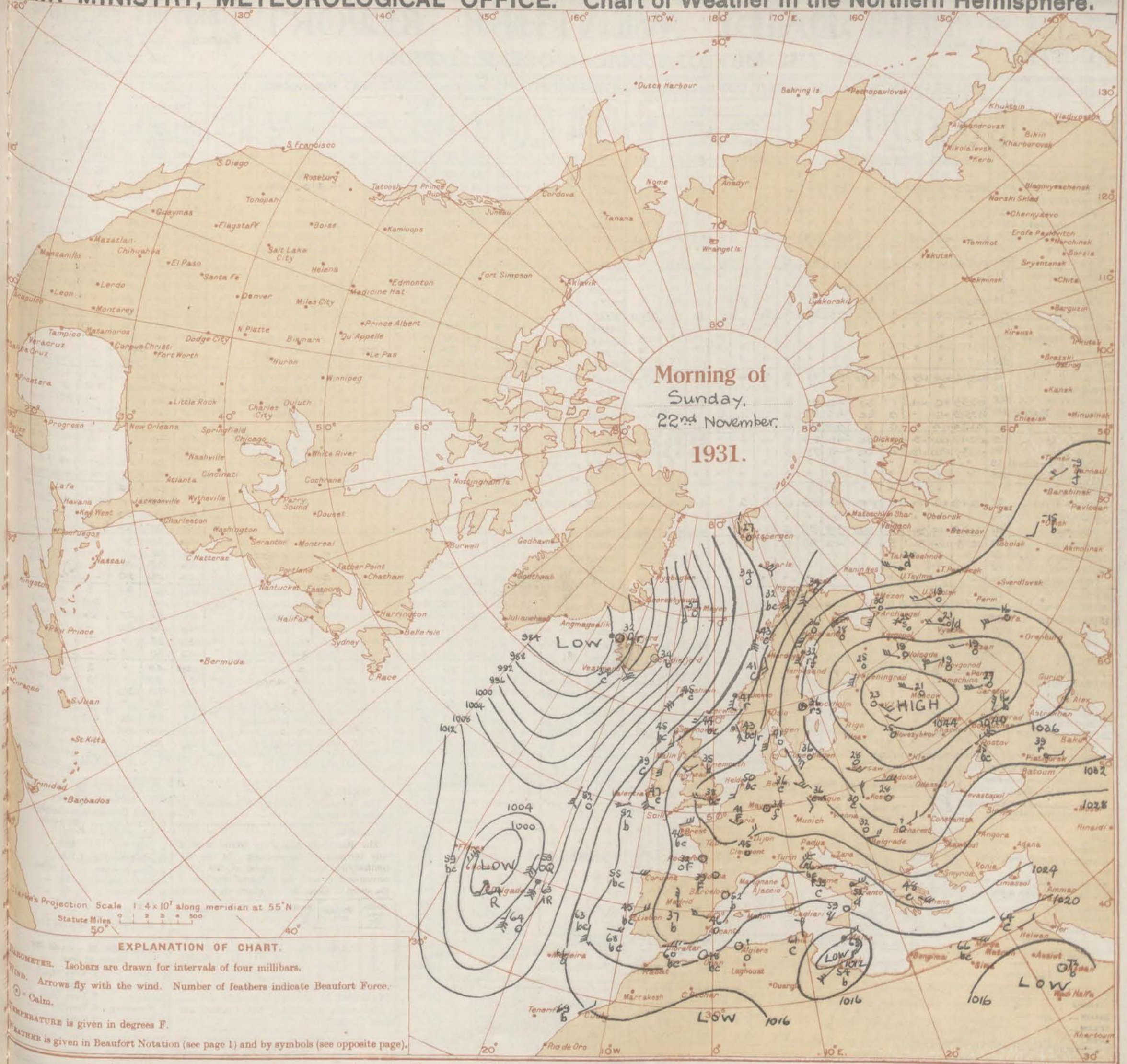
None issued.

Forecasts issued at 1250 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

Sunday 22nd November 1931.

No. 25,567

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

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	1026·3	+3	SSW	3	b	38	95	6	-	-	1	0	1	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1026·1	+10	ENE	1	d	44	95	4	8	-	-	7·8	7·8	2500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1027·4	+14	NW	2	c	41	85	6	-	-	8	0	7-8	-
2	Sheeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1025·7	+4	WSW	2	bc	41	95	6	-	7	-	0	4-6	-
	Cranwell ...	240	1025·9	+18	WNW	2	RR	42	95	5	6	-	-	10	10	800
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1025·6	+14	WSW	4	c/pr	52	75	8	8	4	9	4-6	7-8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1025·9	+6	NNW	1	bc	46	95	8	3	-	5	2-3	4-6	4000
	Scilly (St. Mary's)	163	1025·9	~~+8~~ +10	-	0	bc	46	95	8	1	-	6	1	4-6	4000
	Guernsey ...	175	1026·4	+14	-	0	b	44	95	9	-	-	-	0	9	-
6	Pembroke ...	142	1024·7	+20	WSW	1	bc	48	95	8	4	3	-	2-3	2-3	2500
7	Holyhead ...	26	1023·7	+20	WSW	3	bc	45	75	8	1	-	-	2-3	2-3	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1024·8	+6	WNW	2	rr	43	95	6	3	2	-	4-6	9+	4000
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1022·9	+14	SW	2	bc	39	95	6	2	-	-	4-6	4-6	2500
11	Inchkeith ...	190	1021·3	+24	SW	3	b	42	85	8	5	-	-	1	1	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1013·7	+16	SSW	3	c	44	95	8	9	7	-	7-8	9	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1016·4	+16	SSW	5	bc	41	85	8	8	6	1	4-6	4-6	2500
16	Lerwick ...	54	1015·7	+14	SSW	1	bc	42	75	8	5	-	-	2-3	2-3	1500
17	Blacksod Point	18	1018·0	+8	W	4	c	46	75	7	3	-	-	9	9	450
18	Malin Head ...	52	1019·0	+20	S	5	b	40	95	7	3	6	-	1	1	4000
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1021·7	+6	WSW	4	bc	48	95	8	8	-	-	4-6	4-6	2500
	Roches Point ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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) ...	1028·9	+14	-	0	F	33	95	0	8	-	-	10	10	4150	1	*
Croydon ...	1028·2	+12	WN	2	bc	38	95	6	2	3	-	2·3	2·3	2500	1	*
S. Farnborough	1028·7	+8	-	0	bF	33	95	1	-	-	-	0	0	-	1	*
Winchester ...	1028·7	+12	-	0	bf	33	95	2	-	-	-	0	0	-	1	*
Boscombe Down	1028·0	+10	ESE	1	f	33	95	2	5	-	-	10	10	4150	1	*
Calshot, (S'thmtn)	1027·4	+6	NNW	2	F	38	95	1	8	-	-	10	10	4150	1	0
Dungeness ...	*	*	NNE	1	bc	*	*	4	5	1	*	4·6	4·6	2500	*	0
Lympne ...	1028·8	+10	-	0	bc	40	98	7	-	-	1	0	2·3	-	1	*
Sheeburyness	1029·2	+14	NW	1	bf	32	95	3	-	-	1	0	1	-	4	*
Felixstowe ...	1028·6	+14	WNW	1	c	39	95	4	5	-	-	9	9	4000	0	0
Gorleston ...	1028·6	+14	-	0	bc	40	95	6	5	-	-	4·6	4·6	2500	0	1
Cranwell ...	1028·4	+18	-	0	F	38	95	1	5	-	-	10	10	4150	1	*
Birmingham ...	1028·3	+14	-	0	bc	35	95	6	-	-	1	0	2·3	-	1	*
Upper Heyford	1028·5	+20	NE	1	o/f	37	95	4	5	-	-	10	10	450	1	*
Leafield ...	1028·2	+16	-	0	bF	38	95	1	-	-	6	0	7·8	-	1	*
Ross-on-Wye ...	1027·6	+10	E	2	oF	33	95	1	5	-	-	10	10	220	1	*
Portland Bill ...	1026·8	+6	ENE	3	bc	48	85	8	4	6	9	2·3	4·6	2500	1	3
Plymouth ...	1026·6	+6	-	0	c	38	95	9	6	-	-	7·8	7·8	2500	2	1
Falmouth ...	1026·1	0	NE	2	c	40	95	7	8	-	-	7·8	7·8	4000	1	1
Scilly (St. Mary's)	1025·0	-12	SSE	4	c	48	85	8	7	4	-	7·8	7·8	4000	1	2
Guernsey ...	1026·6	0	SSE	1	bc	42	95	8	-	3	-	0	4·6	-	0	1
Pembroke ...	1026·1	+2	NNE	2	bc	42	95	8	4	1	-	4·6	4·6	2500	0	2
Holyhead ...	1025·8	+10	SES	2	bc	39	95	9	4	-	5	1	2·3	2500	1	0
Chester (Sealand)	1027·9	+14	SSE	2	bc	31	95	4	5	-	6	2·3	2·3	2500	2	*
L'pool (Bidston)	1027·4	+6	SES	3	b	37	95	6	-	-	4	0	1	-	1	*
Harrogate ...	1027·7	+14	SW	1	b	35	95	7	-	-	-	0	0	-	1	*
Spurn Head ...	1027·3	+6	SWW	2	bc	40	95	7	-	1	1	0	2·3	-	1	2
Catterick ...	1027·6	+16	-	0	F	29	95	0	5	-	-	10	10	4150	4	*
Tynemouth ...	1026·0	+20	WSW	1	b	36	95	6	-	-	-	0	0	-	5	2
Inchkeith ...	1024·6	+18	WSW	2	b	40	95	8	-	5	-	0	1	-	0	1
Leuchars ...	1024·7	+22	SW	2	b	34	95	7	4	-	-	Tr.	Tr.	4000	4	*
Renfrew ...	1024·9	+24	SE	1	b	36	95	8	5	-	-	1	1	2500	1	*
Eskdalemuir ...	1027·1	+20	-	0	c	29	95	7	5	-	-	9+	9+	1500	4	*
Tiree	1019·8	+18	S	4	bc	45	85	7	8	-	8	2·3	2·3	2500	1	3
Stornoway ...	1017·7	+26	S	2	bc	45	95	8	7	-	-	2·3	2·3	2500	1	2
Dalwhinnie ...	1023·1	+12	SSW	2	c	38	85	7	4	-	-	7·8	7·8	1500	1	*
Aberdeen ...	1023·9	+20	N	1	b	36	85	7	5	4	-	1	1	4000	1	1
Wick	1020·0	+20	SW	4	bc	42	85	8	8	4	8	4·6	4·6	2500	1	3
Lerwick ...	1019·4	+18	SW	2	bc	44	85	8	5	-	-	2·3	2·3	1500	0	*
Blacksod Point	1018·4	+2	SW	5	q	50	75	7	3	-	-	9+	9+	220	0	4
Malin Head ...	1022·3	+12	SSW	3	c	39	95	8	5	-	9	1	9	4000	0	2
Aldergrove ...	1024·8	+8	SSE	3	bc	36	85	7	-	-	5	0	2·3	-	4	*
Donaghadee ...	1024·2	+8	WS	1	b	37	85	7	5	-	-	1	1	2500	0	0
Birr Castle ...	1022·5	0	S	1	bc	37	85	8	5	-	-	4·6	4·6	2500	1	*
Valentia Obsy.†	1020·8	-8	SSE	4	c	47	75	8	5	-	6	2·3	9	2500	1	*
Roches Point ...	1022·8	-8	SW	3	bc	49	75	8	5	-	-	4·6	4·6	1500	0	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 21st Hrs. (36)
London (Kew) ...	51	31	27	Tr.	-	5·7
Croydon ...	53	38	32	Tr.	Tr.	5·8
S. Farnborough	54	32	26	-	0·4	6·5
Winchester ...	54	32	28	-	Tr.	6·6
Boscombe Down	53	30	26	-	Tr.	*
Calshot, (S'thmtn)	55	37	30	0·1	0·3	7·3
Dungeness ...	56	31	*	Tr.	-	*
Lympne ...	53	38	27	1	-	2·9
Sheeburyness	52	26	23	-	-	5·2
Felixstowe ...	52	31	22	Tr.	-	3·6
Gorleston ...	51	39	33	-	-	4·2
Cranwell ...	50	33	30	-	4	6·4
Birmingham ...	50	34	24	-	4	6·1
Upper Heyford	51	36	24	-	0·1	*
Leafield ...	50	35	22	-	-	6·8
Ross-on-Wye ...	52	33	29	-	1	5·8
Portland Bill ...	54	46	*	-	1	*
Plymouth ...	56	37	35	0·5	3	5·0
Falmouth ...	55	39	*	-	0·2	6·2
Scilly (St. Mary's)	54	43	*	Tr.	-	3·2
Guernsey ...	53	41	30	2	-	2·3
Pembroke ...	53	40	*	3	Tr.	3·3
Holyhead ...	51	39	31	-	Tr.	6·0
Chester (Sealand)	52	30	23	-	4	6·1
L'pool (Bidston)	50	37	35	-	0·2	6·6
Harrogate ...	47	34	28	-	-	4·9
Spurn Head ...	51	39	*	-	6	3·4
Catterick ...	48	29	23	1	-	*
Tynemouth ...	50	35	28	-	-	*
Inchkeith ...	46	39	31	-	-	6·6
Leuchars ...	46	32	21	-	-	4·7
Renfrew ...	46	33	24	-	-	4·1
Eskdalemuir ...	44	26	20	-	-	2·1
Tiree	46	42	36	3	1	2·7
Stornoway ...	47	40	*	0·1	2	0·7
Dalwhinnie ...	40	33	32	13	Tr.	6·0
Aberdeen ...	46	36	29	-	-	*
Wick	44	38	*	-	-	4·4
Lerwick ...	47	42	*	-	-	*
Blacksod Point	49	43	*	2	2	4·2
Malin Head ...	43	37	*	3	Tr.	6·5
Aldergrove ...	44	33	29	-	Tr.	*
Donaghadee ...	46	35	*	-	-	5·7
Birr Castle ...	48	34	22	0·1	-	3·2
Valentia Obsy.†	50	42	35	1	0·1	*
Roches Point ...	50	36	*	-	Tr.	

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather Morning. (24 hrs. ended 9h.)	Weather Afternoon.	Weather Night.	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day. mm.	Rainfall Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity 15h. G.M.T. % (Yesterday.)	Humidity 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew	18	cm wb	b3 bf	bfc fc	51	31	27	Tr.	-	5.7	*	*	0
Croydon	217	cb 3c	b3 m	cm bw	53	38	32	Tr.	Tr.	5.8	*	*	6
Greenwich (Royal Observatory) ...	149	cb3m	b3mf	b3cbxf	50	34	24	-	Tr.	2.8	72	95	2
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	2.9	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	53	35	31	-	-	3.3	73	98	*
Regents Pk. (Botanic Gardens) ...	168	*	*	*	*	*	*	*	*	4.7	*	*	*
Camden Square	110	cb	b	*	54	35	30	-	-	*	*	98	*
Kensington	80	bc	bc	*	51	36	29	-	-	4.7	At 16h. 90	96	*
Hampstead Observatory	450	bc	bcof	c	52	38	27	Tr.	Tr.	5.5	*	95	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
2.7	19h 21st	0.5	10h 21st.

Kew Observatory. Max.	Time.	Min.	Time.
1.4	0h 22nd	0.1	7h 21st.

FOREIGN OBSERVATIONS.

18h. G.M.T. 21st November

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1025·7	-	0	c	46
Brussels	1025·0	SW	2	o	45
Berlin	1027·9	ES	4	c	37
Zürich	1025·8	S	1	c	39
Rome	1021·0		2	bc	46

7h. G.M.T. 22nd November

Stations.	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	1029·8	ESE	1	F	41	48	39	-	-
Brussels	1029·4	SSE	2	c	41	48	41	-	Tr.
Berlin	1030·9	ESE	3	c	36	41	34	-	-
Zürich	1029·1	SE	1	0	37	41	37	-	-
Rome	1022·6	NNE	3	c	39		39	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

TERMS OF SUBSCRIPTION. Single Copies, 1d. each; by post 1½d. 3/6 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

Monday 23rd November 1931.

No. 25568

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

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)	1028.9	-10	-	0	F	36	95	0	5	-	-	10	10	<150
	Croydon	1028.8	-6	ENE	2	cf	46	85	3	-	1	8	0	9	-
	S. Farnborough	1028.7	-10	E	1	cf-	43	95	3	-	7	-	0	9+	-
	Winchester	1027.9	-14	SE'E	2	c	48	95	7	1	9	8	Tr	9+	4000
	Boscombe Down	1027.7	-12	ESE	3	c	45	95	6	-	7	-	0	9	-
	Calshot, S'thmtn	1028.0	-6	E	2	cF	44	95	(3)	5	3	-	2.3	7.8	<150
	Dungeness	*	*	SE	1	c	*	*	5	8	1	x	4.6	9+	1500
	Lympne	1029.2	+6	SE	2	c	49	95	5	8	-	6	7.8	9	800
2	Shoeburyness	1029.3	-4	NNE	1	c	45	95	5	-	-	6	0	7.8	-
	Felixstowe	1029.9	-2	-	0	bc	48	85	4	-	-	1	0	2.3	-
	Gorleston	1029.5	-4	-	0	f	46	95	2	5	1	-	4.6	10	220
	Cranwell	1029.7	-2	SE'S	1	F	39	95	1	5	-	-	10	10	<150
3	Birmingham	1028.5	-4	ESE	1	f-	39	95	2	5	-	-	10	10	<150
	Upper Heyford	1028.5	-14	E	2	f	40	95	2	5	-	-	10	10	<150
	Leafield	1028.3	-10	E'N	1	cf	39	95	2	-	-	6	0	7.8	-
4	Ross-on-Wye	1027.4	-10	ENE	2	of	40	95	3	5	-	-	10	10	220
5	Portland Bill	1026.0	-14	SE	4	c	53	75	8	8	2	-	7.8	10	2500
	Plymouth	1024.7	-20	SE	4	c	52	75	8	6	-	8	4.6	10	800
	Falmouth	1023.6	-6	SE	6	q	52	85	8	8	1	-	7.8	10	4000
	Scilly (St. Mary's)	1021.8	-22	SE	6	c	52	75	7	8	1	-	4.6	10	4000
	Guernsey	1025.6	-16	SE	3	o	51	85	7	5	-	-	10	10	2500
6	Pembroke	1025.3	-18	SSE	3	c	49	95	8	3	6	-	4.6	7.8	1500
7	Holyhead	1024.7	-16	SE	3	c	47	85	9	-	1	8	0	10	-
	Chester (Sealand)	1028.1	-14	SE'S	2	c	40	95	6	-	1	-	0	9	-
8	L'pool (Bidston)	1027.4	-10	SE'E	3	cf-	40	95	3	5	1	-	4.6	10	450
9	Harrogate	1029.1	0	-	0	bcf	39	85	2	5	-	-	4.6	4.6	<150
10	Spurn Head	1029.4	+2	-	0	f	41	95	2	5	-	-	10	10	220
	Catterick	1028.9	-10	SSE	1	F	32	95	1	5	-	-	10	10	<150
	Tynemouth	1028.0	-8	WSW	2	bcf	43	85	3	5	-	2	4.6	4.6	800
11	Inchkeith	1027.3	+10	WSW	1	c	45	85	7	5	5	9	2.3	9+	4000
	Leuchars	1026.5	+2	WSW	1	bc	43	85	7	4	3	9	Tr	4.6	4000
12	Renfrew	1026.1	-2	SSE	3	c	44	85	7	5	7	8	Tr	9+	1500
	Eskdalemuir	1027.5	-6	-	0	c	37	95	7	5	1	-	Tr	10	1500
13a	Tiree	1020.6	-6	S'E	5	c	46	75	8	5	1	6	Tr	9	2500
13b	Stornoway	1018.8	-4	S	6	c	48	95	8	9	6	2	4.6	9	1500
15	Dalwhinnie	1026.7	+14	SSW	2	c	40	85	8	4	8	-	4.6	7.8	1500
	Aberdeen	1026.1	+8	SSW	2	b	45	75	6	-	-	1	0	1	-
	Wick	1022.9	+8	SSW	4	bc	46	75	8	1	-	1	Tr	2.3	4000
16	Lerwick	1022.9	+8	S	2	bc	48	75	8	5	-	-	2.3	2.3	1500
17	Blacksod Point	1015.6	-20	SE	3	c	49	75	8	-	7	-	0	10	-
18	Malin Head	1020.2	-18	SE	5	c	43	85	8	5	7	-	2.3	9+	4000
	Aldergrove	1023.4	-22	E'S	3	c	45	75	8	5	1	7	Tr	10	800
	Donaghadee	1024.3	-10	SW	2	c	47	75	8	5	2	-	4.6	7.8	1500
19	Birr Castle	1019.8	-24	S	4	c	46	85	8	5	1	-	1	10	2500
20	Valentia Obsy.	1014.5	-38	SE	6	c|r₀	51	75	8	6	2	-	9	10	2500
	Roches Point	1018.7	-32	SW	5	c	51	85	8	3	-	-	7.8	7.8	1500

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

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)	1027.0	-10	E	2	f	44	95	2	5	-	-	10	10	<150	1	*
	Croydon	1026.5	-10	E'S	3	c	44	95	4	-	7	-	0	10	-	1	*
	S. Farnborough	1026.1	-12	E	2	cf-	43	95	3	-	1	-	0	10	-	1	*
	Winchester	1025.5	-10	E'S	3	c	44	95	5	-	4	7	0	10	-	1	*
	Boscombe Down	1025.2	-14	SE	3	c	43	95	5	-	1	-	0	7.8	-	1	*
	Calshot, S'thmtn	1025.5	-16	SSE	5	c	50	85	7	5	7	8	2.3	9	1500	0	3
	Dungeness	*	*	SE	2	c	*	*	5	7	7	*	4.6	9+	1500	*	0
	Lympne	1027.6	-14	E	3	of	44	95	3	5	-	-	10	10	<150	1	*
2	Shoeburyness	1027.9	-14	ESE	2	c	45	95	7	5	-	-	7.8	7.8	800	1	*
	Felixstowe	1028.9	-2	SE	4	c	47	95	5	5	-	-	10	10	2500	0	1
	Gorleston	1028.9	0	SE	1	c	47	95	5	5	-	-	7.8	7.8	800	0	1
	Cranwell	1027.7	-8	SE'E	3	F	38	95	1	5	-	-	10	10	<150	1	*
3	Birmingham	1025.9	-14	ESE	2	f	40	95	2	5	-	-	10	10	<150	1	*
	Upper Heyford	1026.2	-12	E	3	m|f	40	95	4	5	-	-	10	10	<150	1	*
	Leafield	1025.7	-12	SE'E	3	o	41	95	4	5	-	-	10	10	450	1	*
4	Ross-on-Wye	1024.0	-10	E	3	of ~~cd~~	43	95	3	5	-	-	10	10	800	1	*
5	Portland Bill	1023.0	-10	S	4	c	52	85	8	4	2	-	7.8	10	1500	1	3
	Plymouth	1021.2	-20	SE	5	c	51	95	8	6	2	-	7.8	10	800	1	3
	Falmouth	1019.7	-10	SE	7	q	52	85	8	8	1	-	7.8	10	4000	0	4
	Scilly (St. Mary's)	1016.8	-24	SE	7	c	51	85	6	5	-	-	10	10	4000	1	4
	Guernsey	1022.7	-14	SE	5	c	51	85	8	3	1	-	2.3 ~~7.8~~	10	1500	0	3
6	Pembroke	1017.7	-20	SE	5	c	52	85	7	3	7	-	4.6	7.8	2500	0	3
7	Holyhead	1019.7	-30	SE	4	c	48	85	8	-	2	-	0	10	-	1	1
	Chester (Sealand)	1024.5	-18	SE	2	o	39	95	4	5	-	-	10	10	1500	1	*
8	L'pool (Bidston)	1023.7	-16	ESE	4	o	40	95	4	5	-	-	10	10	800	0	*
9	Harrogate	1027.1	-6	SE	1	F	34	95	1	5	-	-	10	10	<150	1	*
10	Spurn Head	1028.0	-4	SSE	2	c	43	95	6	5	3	-	4.6	9+	800	0	1
	Catterick	1027.1	-12	-	0	F	34	95	1	5	-	-	10	10	<150	1	*
	Tynemouth	1027.4	-12	S	2	o	41	95	6	5	-	-	10	10	1500	0	1
11	Inchkeith	1024.8	-12	E	2	c	42	85	8	5	1	-	4.6	10	4000	0	1
	Leuchars	1024.5	-12	ESE	1	c	38	95	6	-	7	8	0	10	-	1	*
12	Renfrew	1022.4	-24	E	3	c	42	85	6	5	1	-	2.3	10	1500	1	*
	Eskdalemuir	1024.7	-16	SSE	2	c	37	85	7	-	1	-	0	10	-	1	*
13a	Tiree	1015.0	-12	SE	7	c	47	75	6	6	1	-	2.3	10	1500	0	4
13b	Stornoway	1015.7	-20	S	7	c	48	85	8	9	7	-	7.8	9+	1500	0	5
15	Dalwhinnie	1021.2	-20	S	7	c	38	85	6	4	5	-	4.6	9	1500	0	*
	Aberdeen	1024.6	-10	SSE	2	c	43	85	6	5	-	6	4.6	9	2500	1	1
	Wick	1021.6	-8	S	4	bc	46	65	8	5	1	8	4.6	4.6	2500	0	3
16	Lerwick	1023.0	-2	S	3	b	47	85	8	5	-	-	1	1	2500	0	*
17	Blacksod Point	1007.2	-40	ESE	7	c|p	48	85	7	-	7	-	0	10	-	0	6
18	Malin Head	1013.1	-44	SSW	6	c	46	75	7	5	2	-	2.3	10	2500	0	4
	Aldergrove	1017.9	-34	ESE	4	c	45	65	7	5	2	-	1	10	2500	1	*
	Donaghadee	1019.3	-18	S'E	6	q	49	75	7	6	-	-	9	9	1500	0	3
19	Birr Castle	1011.6	-34	S	4	c	49	85	7	8	1	-	7.8	10	1600	1	*
20	Valentia Obsy.	1006.1	-48	SE'S	6	i r₀	51	85	8	6	2	-	7.8	10	2500	1	4
	Roches Point	1012.4	-34	SSE	7	c	52	85	8	6	-	-	9	9	1500	0	6

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. 22nd (37)	13h.–18h. 22nd (38)	18h. 22nd to 1h. 23rd (39)	1h.–7h. 23rd (40)
1	London (Kew)	ofe	ofeofe	ofecmw	cmow
	Croydon	bccf	cfbcmw	cmo	cmoro
	S. Farnborough	bofec	bcfcf	cfocmo	ccdo
	Winchester	bffcmc	cmo	cmoc	cro
	Boscombe Down	ofcmo	cmo	cmo	cmoro
	Calshot, S'thmtn	ofecm	cfcmc	c	cido
	Dungeness	o	o	*	o
	Lympne	bcmo	bcmoof	ofmo	omo
2	Shoeburyness	bffbm	bcmo	bcc	ooiro
	Felixstowe	cmbmbcz	bczcmo	cmo	cro
	Gorleston	bccf	cfmomoc	coq	oq
	Cranwell	fe	fe	ofem	om
3	Birmingham	ff	ff	fc	c
	Upper Heyford	fefc	fefem	bm	omo
	Leafield	bcff	cffeo	c	cir
4	Ross-on-Wye	ffe	ofom	om	oco
5	Portland Bill	bcc	c	czo	cproc
	Plymouth	cv	c	c	cdrmo
	Falmouth	cq	cq	crqmo	omorrq
	Scilly (St. Mary's)	c	cfo	cir	cir
	Guernsey	bcco	oc	cbcc	coc
6	Pembroke	bcc	c	ouq	croro
7	Holyhead	bcc	co	ocq	cq
	Chester (Sealand)	fcmo	cmo	cm	cido
8	L'pool (Bidston)	ffcf	cfomm	mo	or
9	Harrogate	bbcf	bcoff	off	oido
10	Spurn Head	bcmf	fifc	bc	bc
	Catterick	fxbcmf	ffe	f	omod
	Tynemouth	bbcff	bcff	o	o
11	Inchkeith	bbcc	c	c	c
	Leuchars	bxbc	bcemoφ	cmo	comoro
12	Renfrew	bxbcmc	como	cmo	cirorq
	Eskdalemuir	cxc	c	c	cero
13a	Tiree	bcc	c	c, cr.	cRiR!
13b	Stornoway	cpro	c	c	crrh
15	Dalwhinnie	c	c	·	r
	Aberdeen	bzo	bbcc	czo	cqoir
	Wick	bc	bcφ	cro	crro
16	Lerwick	bc	bc	bcc	c
17	Blacksod Point	c	cq	rrq	pre
18	Malin Head	c	c	cido	circ
	Aldergrove	bcxc	c	cro	crRkqrr
	Donaghadee	bbcc	cq	cq	oroqym
19	Birr Castle	bcc	c	cro	croor
20	Valentia Obsy.	ccro	circiro	rrR	croro
	Roches Point	bcc	cpoc	cpoc	corr

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s₀, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s₀/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus, R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. φ, 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 1/10 of the sky.
"0+" 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.

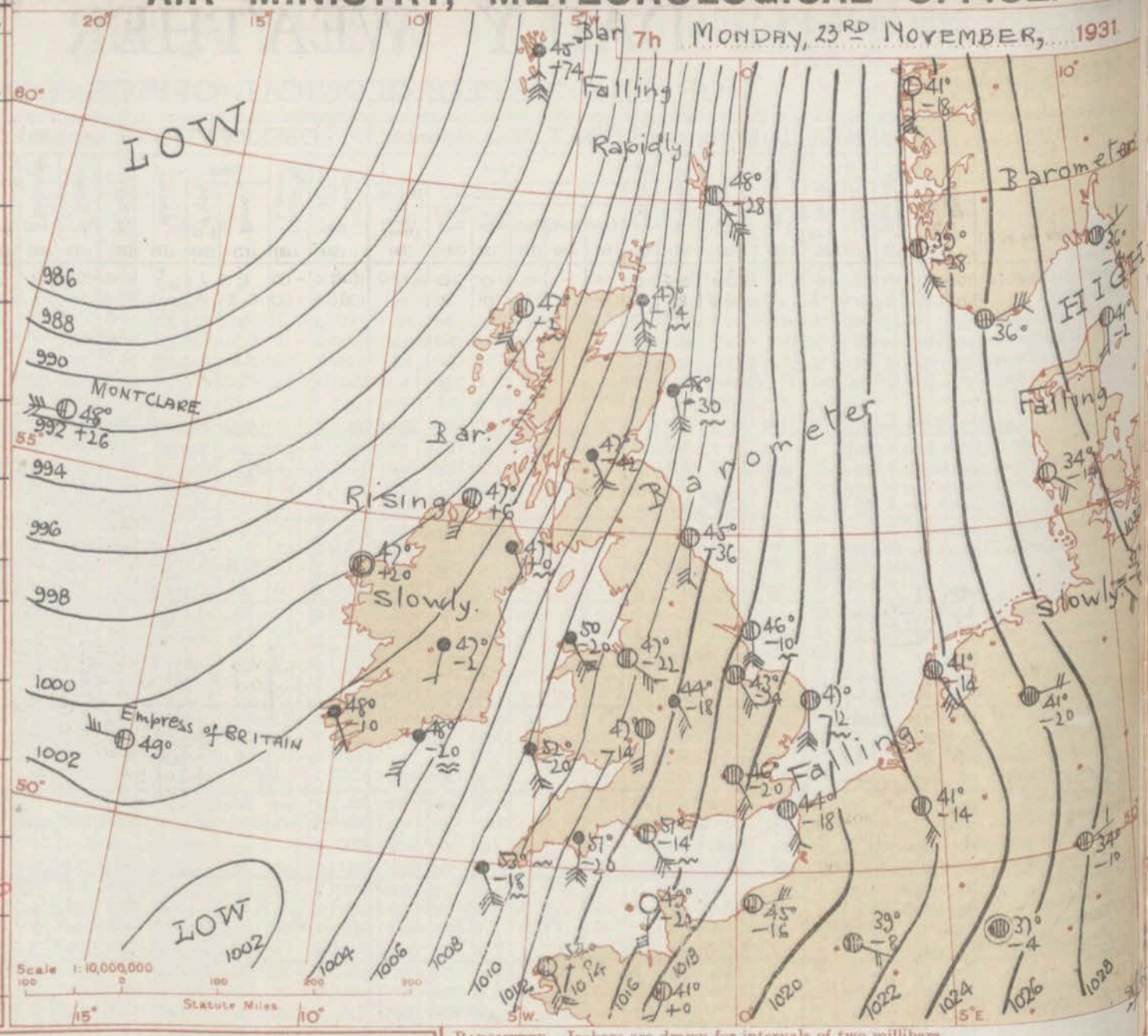
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

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

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 21st. to 9h. 22nd	Temperature. Max. 9h.—17h. ..22nd...	Rainfall. Night. 17h. 21st... to 9h. 22nd.	Rainfall. Day. 9h.—17h. ..22nd...	Sunshine. Sunrise to Sunset. ..22nd...
1	Tunbridge W.	bmbco	ocbo	32	48	—	—	0.5
	Bournemouth	fo	co	32	51	3	—	0.2
	Ventnor ...	pofo	oco	46	53	0.3	—	0.2
	Southsea ...	cpb	cmoco	39	52	1	—	0.5
	Bognor Regis	bccb	cbcc	39	51	—	—	0.9
	Littlehampton	bc	bc	36	51	—	—	1.0
	Worthing ...	cooc	bc	38	52	Trace	—	1.4
	Brighton ...	fcbc	bc	36	52	—	—	0.9
	Eastbourne†	fcoc	cbco	35	51	—	—	0.4
	Hastings† ...	bmbcc	co	42	51	0.2	—	0.5
	Folkestone ...	xbcc	mcm	35	52	—	—	0.6
	Dover... ...	fbc	bcmo	35	52	—	—	0.5
	Deal	fbbc	bczo	35	50	—	—	1.1
	Ramsgate ...	mc	cm	40	53	—	—	0.7
	Margate ...	cfbc	bccm	42	51	—	—	1.1
2	Southend ...	cmcf	ccbcf	39	46	Trace	—	0.0
	Maldon ...	xmc	bcc	31	47	—	—	0.4
	Clacton-on-Sea	bcmz	bcz	39	48	—	—	1.0
	Dovercourt ...	xbf	bcf	37	47	—	—	1.3
	Lowestoft ...	bmbc	bccbc	36	47	—	—	1.8
	Skegness ...	ff	omo	34	44	0.2	Trace	0.0
	Mablethorpe	bcm	f	31	42	4	—	0.1
	Cleethorpes...	ofccf	cf	33	42	5	Trace	0.4
3	Leamington S.	emo	om	36	43	0.3	Trace	0.0
4	Cheltenham†	cfc	cofc	34	47	0.5	Trace	0.4
5	Bath	mcbc	c	32	48	0.5	—	0.4
	Weymouth ...	c	c	38	53	0.5	—	0.2
	Jersey ...	bc	bcc	40	52	—	—	0.6
	Torquay ...	bcpw	fmcmco	37	54	0.1	—	0.0
	Penzance ...	c	c	39	53	0.2	—	0.3
	St. Ives ...	o	o	42	53	Trace	—	0.0
	Bude	o	c	36	54	3	—	0.0
	Ilfracombe ...	cbc	c	40	52	6	—	0.5
6	Aberystwyth	cpic	c	38	47	3	—	0.0
7	Llandudno ...	o	oc	37	46	1	—	0.0
	Colwyn Bay...	o	o	38	46	0.5	—	0.0
	Rhyl	o	o	32	?	0.3	—	0.0
8	Wallasey ...	fc	c	35	43	Trace	—	0.0
	Southport‖ ...	of	ofo	33	43	0.4	—	0.0
	Blackpool ...	ofec	c	33	42	0.1	—	~~3.5~~ 0.0
	Morecambe ...	c	c	36	46	2	—	0.0
9	Ilkley... ...	f	f	29	35	—	—	0.0
10	Berwick-on-T.	bc	c	32	47	—	—	3.7
11	Dunbar ...	xbccb	cog	39	47	—	—	0.0
12	Douglas ...	bcx	bcm	37	46	—	—	3.6

† 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 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. 23rd Nov. 1931.

Districts.	Forecasts
1. S.E. England ▼ 2. E. England... ▼ 3. E. Midlands 4. W. Midlands	Moderate or fresh southerly wind, strong locally; dull, some rain; mild.
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 or strong southerly wind, moderating later; dull, rainy, perhaps some improvement later; mild.
13. A. W. Scotld. B. N.W. Scotland.	Fresh or moderate southwest wind, backing and increasing again later; bright intervals and showers at first, rain later; mild.
14. Mid-Scotland	As 5 - 12.
15. N.E. Scotland ▼ 16. Orkneys and Shetlands ▼	Strong to gale southerly wind, moderating temporarily; dull, some rain; mild.
17. N.W. Ireland	As 13.
18. N.E. Ireland 19. S.E. Ireland	Moderate or fresh southerly to variable or westerly winds; rain, then a temporary improvement; mild.
20. S.W. Ireland	As 13.

GENERAL INFERENCE.

Pressure continues high over Russia and low over Iceland and a secondary depression is approaching our southwest coasts. Wind will be southerly, reaching gale force over the Northern North Sea, and weather will be unsettled.

FURTHER OUTLOOK.

Unsettled and mild.

Time of issue of Gale Warnings.

▼ South Cone at 1355 on 22nd in Districts 5-8, 11, 12, 15 and 16.
▼ South Cone at 0230 on 23rd in Districts 1, 2 & 10

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

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 23rd November 1931.

No. 26568

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1020.5	-14	ESE	3	c	45	95	6	5	-	-	10	10'	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1021.1	-14	SE	5	c	49	85	7	5	2	-	7-8	10	2500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1023.4	-22	SE	4	0	44	95	5	5	-	-	10	10	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1023.2	-30	S'E	6	0	46	95	6	6	-	-	10	10	2500
	Cranwell ...	240	1021.9	-32	SSE	4	0	42	95	4	5	-	-	10	10	1500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	1018.3	-18	SE	5	c	49	95	6	4	7	-	7-8	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1015.0	-12	SW	7	cr	50	95	6	6	2	-	7-8	10	2500
	Scilly (St. Mary's)	163	1012.0	-18	S'E	6	cr	51	95	6	9	-	-	9+	9+	2500
	Guernsey ...	175	1018.8	-16	S	5	c	49	85	8	8	-	-	7-8	7-8	2500
6	Pembroke ...	142	1012.2	-20	S	5	cu	52	95	7	3	-	-	10	10	800
7	Holyhead ...	26	1011.6	-34	S'E	6	cq	51	85	8	5	1	-	9+	9+	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1021.2	-12	S'E	6	c	46	95	7	5	2	-	4-6	9+	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1019.4	-40	SSE	3	0	46	85	7	6	-	-	10	10	1500
11	Inchkeith ...	190	1015.8	-32	SE	4	c	43	95	7	5	2	-	4-6	10	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1003.5	-56	SSE	7	c	49	65	7	5	2	-	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1014.7	-32	S	8	c	47	75	8	6	1	-	4-6	9	1500
16	Lerwick ...	54	1019.7	-18	S'E	5	c	47	75	7	5	1	-	4-6	9	1500
17	Blacksod Point	18	998.9	-40	ESE	5	c	49	95	7	-	8	-	0	10	-
18	Malin Head ...	52	1000.2	-54	SSE	6	c/d	50	85	7	5	1	-	7-8	10	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1002.8	+20	WSW	4	RR	46	95	6	6	-	-	10	10	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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) ...	1017.0	-14	SE'S	3	c	46	95	6	5	2	-	9	10	1500	1	*
Croydon ...	1017.1	-20	SE'S	3	o/r	46	95	6	5	-	-	10	10	800	1	*
S. Farnborough	1016.3	-16	SE'S	3	id₀	47	85	6	6	2	-	7-8	10	1500	1	*
Winchester ...	1015.6	-16	S'E	3	c/r	47	95	7	5	-	-	9+	9+	2500	1	*
Boscombe Down	1015.4	-20	SE	3	c	45	95	6	5	2	-	9+	10	800	1	*
Calshot (S'thmtn)	1016.8	-22	SE'S	4	id₀	49	85	7	5	2	-	4-6	10	2500	1	2
Dungeness ...	*	*	SE'S	4	c	*	*	6	8	2	*	4-6	9+	1500	*	3
Lympne ...	1018.9	-18	SSE	4	0	44	95	5	5	-	-	10	10	450	1	*
Shoeburyness	1017.9	-22	SE	3	ir₀	45	95	7	5	-	-	10	10	800	1	*
Felixstowe ...	1019.4	-24	S'E	5	ir₀	47	85	7	5	-	-	10	10	1500	1	3
Gorleston ...	1019.4	-12	S	6	0	47	95	6	6	-	-	10	10	1500	0	4
Cranwell ...	1016.0	-24	SE	4	m	43	95	4	5	-	-	10	10	800	1	*
Birmingham ...	1014.0	-18	SSE	3	ir₀	44	95	7	6	2	-	9	10	800	1	*
Upper Heyford	1015.7	-22	SE	4	0	45	95	5	5	-	-	10	10	800	1	*
Leafield ...	1014.8	-16	SSE	4	ir₀	44	95	7	6	2	-	7-8	10	1500	1	*
Ross-on-Wye ...	1013.6	-14	S	3	0	47	85	6	5	-	-	10	10	1500	1	*
Portland Bill....	1014.1	-14	SSE	5	c	51	85	6	6	2	-	7-8	10	1500	1	4
Plymouth ...	1012.7	-20	S	6	rr	51	95	6	6	-	-	10	10	450	2	3
Falmouth ...	1011.0	-6	S	6	rr	52	95	6	6	-	-	10	10	250 0	2	4
Scilly (St. Mary's)	1008.6	-18	S'E	6	r₀r₀	53	95	6	6	-	-	10	10	250 0	1	5
Guernsey ...	1015.3	-22	S	3	c	49	85	7	8	-	-	10	10	150 0	0	3
Pembroke ...	1008.0	-20	SSE	5	r₀r₀	52	95	7	3	7	-	4-6	9+	1500	1	3
Holyhead ...	1008.0	-20	SSE	6	id₀	50	95	7	5	-	-	10	10	150 0	1	3
Chester (Sealand)	1011.3	-22	SE'E	4	c/d	47	85	7	5	-	-	9+	9+	150 0	1	*
L'pool (Bidston)	1010.4	-24	SE'E	5	o/r	45	95	6	6	-	-	10	10	1500	1	*
Harrogate ...	1014.2	-26	S	3	id₀	42	95	5	5	-	-	10	10	2500	1	*
Spurn Head ...	1015.8	-10	S	6	c	46	95	7	5	2	-	4-6	10	2500	0	4
Catterick ...	1012.9	-26	SSE	4	id₀	43	95	6	6	-	-	10	10	800	1	*
Tynemouth ...	1013.0	-36	S	4	0	45	95	7	6	-	-	10	10	1500	0	2
Inchkeith ...	1009.2	-28	SE	4	c	45	85	7	5	2	-	1	10	2500	0	3
Leuchars ...	1007.6	-42	SE	5	r₀r₀	44	85	6	6	-	-	10	10	1500	1	*
Renfrew ...	1005.2	-42	SSE	5	r₀r₀	47	85	6	6	2	-	9	10	1300	1	*
Eskdalemuir ...	1008.9	-26	SSE	5	r₀r₀	42	95	6	6	2	-	9	10	800	1	
Tiree	1000.0	+18	SW	5	ir₀	47	95	6	9	7	-	7-8	9	1500	1	4
Stornoway ...	997.4	-2	SW	5	c/rh	47	95	7	6	2	-	4-6	7-8	1500	2	4
Dalwhinnie ...	1005.7	-14	SSE	7	r	38	95	5	4	-	-	10	10	800	1	*
Aberdeen ...	1009.7	-30	SSE	6	ir₀	48	85	6	6	-	-	10	10	1500	1	4
Wick	1005.2	-14	S	8	rr	47	75	8	6	-	-	10	10	1500	1	5
Lerwick ...	1012.4	-28	SE	8	c	48	75	7	5	1	-	4-6	9	1500	0	*
Blacksod Point	1000.7	+20	-	0	bc	47	85	7	3	-	-	4-6	4-6	800	1	3
Malin Head ...	1001.3	+6	SW	3	c/jp	47	95	7	8	-	-	9	9	1500	1	2
Aldergrove ...	1003.1	0	S'E	1	rr	47	95	6	6	-	-	10	10	800	2	*
Donaghadee ...	1003.4	-20	SSE	6	r₀r₀	56	95	6	6	-	-	10	10	800	1	4
Birr Castle ...	1002.5	-2	S	1	rr	47	95	7	6	-	-	10	10	1500	1	*
Valentia Obsy.†	1002.3	-10	SSE	2	r₀r₀	48	95	7	5	-	-	10	10	1500	1	*
Roches Point...	1002.7	-20	SW	4	rr	48	95	7	6	-	-	10	10	1500	1	6

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 23rd. Hrs. (36)
London (Kew) ...	44	44	39	Tr	-	0.0
Croydon ...	48	44	42	Tr	Tr	0.4
S. Farnborough	43	41	38	Tr	Tr	0.0
Winchester ...	49	42	39	Tr	Tr	0.5
Boscombe Down	47	42	40	-	0.3	*
Calshot (S'thmtn)	51	48	46	0.1	0.1	0.2
Dungeness ...	51	45	*	-	-	*
Lympne ...	50	43	37	-	-	0.7
Shoeburyness	46	43	43	Tr	Tr	0.7
Felixstowe ...	48	45	42	-	Tr	1.4
Gorleston ...	48	45	40	-	-	0.3
Cranwell ...	40	38	38	0.1	-	0.0
Birmingham ...	41	40	40	0.1	Tr	0.0
Upper Heyford	42	40	38	0.2	-	*
Leafield ...	41	40	39	0.1	Tr	0.0
Ross-on-Wye ...	43	43	41	0.1	-	0.0
Portland Bill....	53	49	*	-	Tr	*
Plymouth ...	53	49	47	-	1	0.0
Falmouth ...	53	50	*	-	3	0.1
Scilly (St. Mary's)	52	50	*	Tr	1	0.7
Guernsey ...	52	48	44	-	-	0.7
Pembroke ...	52	49	*	-	2	0.0
Holyhead ...	48	48	44	-	Tr	0.0
Chester (Sealand)	41	39	38	Tr	Tr	0.0
L'pool (Bidston)	41	39	38	-	2	0.0
Harrogate ...	43	34	33	-	Tr	0.1
Spurn Head ...	44	42	*	-	-	0.5
Catterick ...	34	33	34	0.1	Tr	*
Tynemouth ...	46	41	34	-	-	*
Inchkeith ...	45	44	36	-	-	2.2
Leuchars ...	45	36	32	Tr	0.2	3.6
Renfrew ...	44	40	37	-	0.6	0.7
Eskdalemuir ...	39	36	32	-	0.5	0.0
Tiree	48	46	44	[illegible]	9	2.9
Stornoway ...	49	46	*	0.2	3	1.1
Dalwhinnie ...	40	34	34	-	9	1.7
Aberdeen ...	46	43	41	-	0.1	4.4
Wick	46	45	*	-	1	*
Lerwick ...	49	46	*	-	-	5.4
Blacksod Point	50	45	*	-	9	*
Malin Head ...	46	45	*	-	4	0.0
Aldergrove ...	46	45	42	-	9	0.0
Donaghadee ...	49	48	*	-	3	*
Birr Castle ...	50	46	44	-	9	0.0
Valentia Obsy.†	52	47	46	1	21	0.0
Roches Point...	52	47	*	Tr	16	*

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon (24 hrs. ended 9h.)	Weather Night (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity 15h. G.M.T. % (Yesterday.)	Humidity 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew	18	ofe	ofe ofe	afecmw	44	44	39	Tr	—	0.0	*	*	5
Croydon	217	bccf	cfbcmw	cm₀₀	48	44	42	Tr	Tr	0.4	*	*	5
Greenwich (Royal Observatory) ...	149	bf⊕F	Ff	cd₀d₀dm	46	44	33	-	1	0.0	91	95	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	46	45	36	0.3	*	0.0	87	87	*
Regents Pk. (Botanic Gardens) ...	168	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square	110	f	f	*	44	44	39	-	Tr	*	*	92	*
Kensington	80	bcf	bcf	*	46	44	41	-	0.2	0.0	At 18h. 88	88	*
Hampstead Observatory	450	bcf	of	*	45	41	39	Tr	0.3	0.1	93	93	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

	Max.	Time.	Min.	Time.
South Kensington.	3.2	13h 22nd	0.5	0h-5h 23rd
Kew Observatory.	2.9	15h 22nd	0.1	0h-6h 23rd

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 22nd November. Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 23rd November. 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	1027.4	E	2	3	46	1021.4	ESE	2	3	39	46	39	-	-
Brussels	1029.6	E	2	c	41	1021.9	SSE	3	c	41	46	39	-	Tr
Berlin	1031.9	ESE	2	b	34	1030.4	ENE	2	m	32	39	32	-	-
Zurich														
Rome														

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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.

C. 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 November 1931.

No. 25569

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0-10 (12)	Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1012.5	-32	S	4	c	50	85	6	5	-	-	10	10	2500
	Croydon	1012.8	-30	S'E	3	c	49	85	6	5	1	-	7.8	9+	2500
	S. Farnborough	1012.6	-20	S'E	3	o	49	85	6	5	-	-	10	10	1500
	Winchester ...	1011.9	-22	S	4	c	48	95	7	5	2	-	9+	10	800
	Boscombe Down	1011.8	-26	SSE	3	c	48	95	6	5	-	-	10	10	1500
	Calshot, S'thmtn	1013.4	-18	S	4	c	50	85	6	8	2	-	7.8	10	1500
	Dungeness ...	*	*	SSE	4	c	*	*	6	8	-	*	10	10	800
	Lympne ...	1015.2	-18	S'W	4	o	47	85	6	5	-	-	10	10	800
2	Shoeburyness	1014.3	-22	SE	3	c	49	95	6	5	-	-	9+	9+	800
	Felixstowe ...	1014.8	-30	S'E	4	o	47	85	6	5	-	-	10	10	800
	Gorleston ...	1015.1	-20	SSW	5	o	46	95	6	6	-	-	10	10	1500
	Cranwell ...	1011.4	-30	SSE	4	o/r	46	95	5	6	-	-	10	10	450
3	Birmingham ...	1010.1	-24	S	3	ir_0	47	95	5	6	2	-	4.6	10	800
	Upper Heyford	1011.9	-20	S'W	3	c	48	85	6	5	-	-	10	10	800
	Leafield ...	1010.9	-26	S'E	4	o	47	95	7	6	-	-	10	10	1500
4	Ross-on-Wye ...	1009.4	-16	S	4	ir_0	50	85	6	6	1	-	7.8	10	2500
5	Portland Bill...	1008.6 (9)	-36	SSE	5	c	53	95	6	8	2	-	4.6	10	1500
	Plymouth ...	1008.0	-34	S	7	ir_0	54	85	6	5	-	-	10	10	800
	Falmouth ...	1005.6	-16	SSW	7	q_0	54	95	6 (6x)	5	2	-	7.8	10	4000
	Scilly (St. Mary's)	1003.1	-30	S'E	7	ir_0	54	95	6	6	-	-	10	10	2500
	Guernsey ...	1011.8	-24	SSW	5	c	54	85	6	8	-	-	10	10	1500
6	Pembroke ...	1004.4	-24	SSW	5	rr	53	95	6	6	-	-	10	10	800
7	Holyhead ...	1003.6	-34	SSE	6	r_0r_0	51	95	6	6	2	-	4.6	10	800
	Chester (Sealand)	1007.4	-26	SE'S	4	ir_0	48	95	6	6	-	-	10	10	800
8	L'pool (Bidston)	1006.3	-20	SE'S	5	rr	47	95	6	6	-	-	10	10	1500
9	Harrogate ...	1009.6	-14	SSE	3	rr	45	95	4	6	2	-	9	10	<150
10	Spurn Head ...	1011.1	-8	S	5	ir	46	95	6	6	-	-	10	10	1500
	Catterick ...	1008.6	-26	SSE	5	ir_0	44	95	4	6	-	-	10	10	800
	Tynemouth ...	1008.1	-22	S	3	o	46	85	6	6	-	-	10	10	1500
11	Inchkeith ...	1004.4	-18	S	4	rr	48	85	7	6	2	-	4.6	10	1500
	Leuchars ...	1004.4	-22	SE	4	rr	46	95	6	6	2	-	7.8	10	800
12	Renfrew ...	1003.9	-4	-	0	rr	47	95	5	6	-	-	10	10	1500
	Eskdalemuir ...	1004.4	-26	S'E	4	rr	44	95	6	6	2	.	9+	10	800
13A	Tiree ...	1000.7	-4	SW	3	c/r	47	75	7	5	1	8	2-3	10	2500
13B	Stornoway ...	998.9	+4	SSW	3	bc	47	85	8	7	7	1	1	4.6	2500
15	Dalwhinnie ...	1002.7	-2	SW	2	c	41	95	8	4	2	-	4.6	10	1500
	Aberdeen ...	1004.5	-24	SSE	5	rr	47	95	6	6	-	-	10	10	800
	Wick ...	1001.6	-10	S	8	c	47	85	7	9	-	-	10	10	1500
16	Lerwick ...	1005.1	-28	SE	8	rr	47	95	6	6	-	-	10	10	800
17	Blacksod Point	1000.2	-4	-	0	c	48	85	7	-	2	-	0	10	-
18	Malin Head ...	1000.8	-8	S	1	c	47	95	8	7	7	-	2.3	10	1500
	Aldergrove ...	1002.0	-18	-	0	rr	46	95	6	6	-	-	10	10	800
	Donaghadee ...	1002.0	-16	SE	1	rr	48	95	6	6	-	-	10	10	800
19	Birr Castle ...	999.6	-26	NE	1	rr	46	95	7	6	-	-	10	10	1500
20	Valentia Obsy.	998.7	-22	NE'N	3	r_0r_0	47	95	8	5	2	-	7.8	10	1500
	Roches Point...	997.1	-26	SW	6	rr	54	95	7	6	-	-	10	10	1500

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

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)	1009.1	-24	S	4	c	50	85	5	5	1	-	9	10	2500	1	*
Croydon	1009.9	-20	S'E	4	o	50	85	6	6	-	-	10	10	1500	1	*
S. Farnborough	1008.4	-26	SSE	3	id_0	50	95	6	5	-	-	10	10	1500	1	*
Winchester	1008.0	-24	S'E	3	id_0	50	95	7	5	-	-	10	10	800	1	*
Boscombe Down	1007.4	-26	SSE	4	c	50	95	6	5	-	-	10	10	450	1	*
Calshot, S'thmtn	1009.2	-26	SSE	5	c	52	85	6	5	7	-	7.8	10	2500	0	3
Dungeness	*	*	SSW	4	c	*	*	6	8	-	*	10	10	800	*	3
Lympne	1012.3	-18	SSW	3	o	49	95	5	5	-	-	10	10	800	1	*
Shoeburyness	1010.9	-10 (30)	S	2	c	48	95	6	5	-	-	9+	9+	1500	1	*
Felixstowe	1011.8	-16	S	4	c	48	85	6	5	-	-	10	10	800	1	3
Gorleston	1011.3	-10	SSW	4	c	48	95	6	4	-	-	9+	9+	2500	0	3
Cranwell	1006.8	-28	SSE	5	o	45	95	4	5	-	-	10	10	450	1	*
Birmingham	1005.0	-28	S	4	o	48	95	7	6	-	-	10	10	800	1	*
Upper Heyford	1007.2	-26	S	4	c	48	95	6	5	2	-	7.8	10	800	1	*
Leafield	1006.2	-20	SSE	5	o	47	95	6	6	-	-	10	10	1500	1	*
Ross-on-Wye	1003.9	-26	S'E	4	r_0r_0	51	85	6	6	-	-	10	10	1500	1	*
Portland Bill	1006.1	-26	SSE	5	c	54	85	6	4	-	-	10	10	1500	1	5
Plymouth	1003.9	-26	S	7	rr	52	95	6	6	-	-	10	10	800	1	4
Falmouth	999.6	-16	SSW	3	rr	52	95	6	6	-	-	10	10	2500	2	5
Scilly (St. Mary's)	997.3	-28	S	7	rr	53	95	6	6	-	-	10	10	2500	1	5
Guernsey	1008.5	-20	S'W	5	c	53	85	7	8	-	-	10	10	2500	0	4
Pembroke	995.8	-40	S	7	RR	53	95	5	6	-	-	10	10	800	1	4
Holyhead	997.1	-40	S'E	6	r_0r_0	52	95	6	6	2	-	9+	10	800	1	3
Chester (Sealand)	1001.6	-24	SE'S	4	d_0r_0	49	95	6	6	2	-	7.8	10	800	1	*
L'pool (Bidston)	1000.3	-28	SE	5	o/r	49	95	7	6	-	-	10	10	1500	1	*
Harrogate	1004.8	-26	SE	3	r_0r_0	45	95	5	6	-	-	10	10	2500	1	*
Spurn Head	1006.2	-14	S	6	r_0	47	95	6	5	-	-	10	10	1500	1	4
Catterick	1003.4	-28	SE	5	ir_0	46	95	5	6	-	-	10	10	800	1	*
Tynemouth	1003.1	-24	S	3	o/r	47	95	6	6	-	-	10	10	1500	1	3
Inchkeith	1000.4	-18	S	2	r_0r_0	47	95	7	5	2	-	7.8	10	1500	1	2
Leuchars	1000.3	-30	SE	4	rr	46	95	5	6	2	-	7.8	10	450	2	*
Renfrew	998.5	-36	E	2	rr	46	95	6	6	-	-	10	10	1500	2	*
Eskdalemuir	998.8	-36	S'E	4	rr	45	95	6	6	2	-	9	10	800	1	*
Tiree	998.2	-14	-	0	c	42	85	7	5	2	-	2.3	9+	2500	0	1
Stornoway	998.3	-2	SW	2	c	42	95	7	4	2	-	2.3	9+	2500	1	2
Dalwhinnie	1001.0	-8	-	0	rr	33	95	5	4	2	-	4.6	10	1500	1	*
Aberdeen	1000.9	-24	SSE	5	rr	48	95	6	6	-	-	10	10	800	1	4
Wick	999.6	-12	S	5	c	48	85	8	8	2	-	7.8	10	1500	1	4
Lerwick	1000.9	-16	S	7	ir	48	85	6	6	2	.	4.6	10	800	2	*
Blacksod Point	998.4	-4	W	2	bc	42	85	7	2	-	-	2.3	2.3	1500	0	3
Malin Head	997.5	-16	SSE	1	c	45	95	7	8	1	-	7.8	9+	2500	0	2
Aldergrove	996.5	-28	NW'N	3	rr	43	95	6	6	-	-	10	10	800	2	*
Donaghadee	995.5	-36	E	3	RR	47	95	6	6	-	-	10	10	800	1	2
Birr Castle	996.5	-8	N	1	r_0r_0	44	95	7	6	1	-	9	10	1500	1	*
Valentia Obsy.	999.4	+14	N'W	3	bc_0	47	85	8	8	-	-	2.3	2.3	1500	1	4
Roches Point	~~999.6~~ 997.6	-8	N	6	c	47	95	8	6	-	-	7.8	7.8	1500	1	6

PAST 24 HOURS.

Stations	Weather 7h.–13h. 23rd (37)	13h.–18h. 23rd (38)	18h. 23rd to 1h. 24th (39)	1h.–7h. 24th (40)
London (Kew)	cr_0cz_0	cm_0	cr_0m_0	$crem_0$
Croydon	cm_0	com_0r_0	$om_0r_0r_0$	$orrd_0d_0$
S. Farnborough	$coid_0c$	oc	cd_0orr	orrbcc
Winchester	c	$coid_0$	oid_0rr	orrcb
Boscombe Down	cir_0m_0	cir_0m_0	cror	or_0cbc
Calshot, S'thmtn	cid_0m_0	bc	or_0r_0	cr_0r_0
Dungeness	o	o	*	r
Lympne	om_0	om_0	ocm_0	oDddf
Shoeburyness	or_0cm_0	cm_0	cmo	oir_0m_0od
Felixstowe	cz_0om_0	oz_0	cz_0or_0	$or_0r_0m_0$
Gorleston	oir_0q_0	om_0cq	corrq	orr
Cranwell	id_0r_0	oir_0f	ofcrr	r_0m_0q
Birmingham	cir_0	cir_0o	orrr	oc
Upper Heyford	cir_0m_0	cr_0m_0	coRRq	orReq
Leafield	cir_0o	oir_0	oRR	orrc
Ross-on-Wye	$odcoir_0$	cr_0or_0	rrqoq	cbc
Portland Bill	c,cz_0	cip_0rz_0	rrir,rrlc	iRc
Plymouth	$coir_0m_0$	cr_0morr	$orrm_0c$	cq b
Falmouth	cirq	om_0rrq	oRqc	cbc
Scilly (St. Mary's)	crrir	rr	orrc	cbc
Guernsey	co	co	coir	oro
Pembroke	qr	orr	cqr	bc
Holyhead	id_0r_0q	r_0r_0q	rrqc	cbc
Chester (Sealand)	$om_0d_0d_0$	ir_0id_0	orr_0m_0	$kqrm_0bc$
L'pool (Bidston)	ordr	oir_0q	rorkq	cqbcc
Harrogate	ocmrr	$corr_0$	eorr	rcb
Spurn Head	cor	oro	cocr	orr_0bc
Catterick	$omid_0r_0$	$r_0r_0mod_0$	orr	obc
Tynemouth	oq	oir_0	ocr_0	oir_0
Inchkeith	cr_0r_0	crr	$crrRR_0$	r_0r_0ocim
Leuchars	$cr_0r_0rrm_0$	$crrm_0$	$crrm_0$	cr_0r_0bc
Renfrew	cr_0rr	rrfrr	orrc	cb
Eskdalemuir	crr	crr	crr	cr_0b
Tiree	cir	c	cbc	bcbw
Stornoway	cir bk	bcc	cbc	bc
Dalwhinnie	rr	rr	.	rc
Aberdeen	orrq	$orrm_0$	$orrm_0$	orrc
Wick	orrc	c	or_0ro	or_0rc
Lerwick	co,rr	orrcir	orr	oRRm
Blacksod Point	c	c	bc	cq
Malin Head	cbc	ce	cbc	bc
Aldergrove	$orrm_0$	$crrm_0$	rrbc	bc
Donaghadee	$orrm_0$	RRm_0	RRcirc	cbc
Birr Castle	orr	$rrcr_0$	cr_0c	bcx
Valentia Obsy.	cr_0r_0	cr_0rcbc	bc	$bccpr_0$
Roches Point	orr	RRc	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.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s_0, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s_0/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.

q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

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

Capital letters indicate intense; suffix o indicates slight: repetition of letters indicates continuity: thus. R, heavy rain. r_0, slight rain. rr, continuous rain.

<, less than (for cloud height).

⊕, Solar halo. Φ, 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.

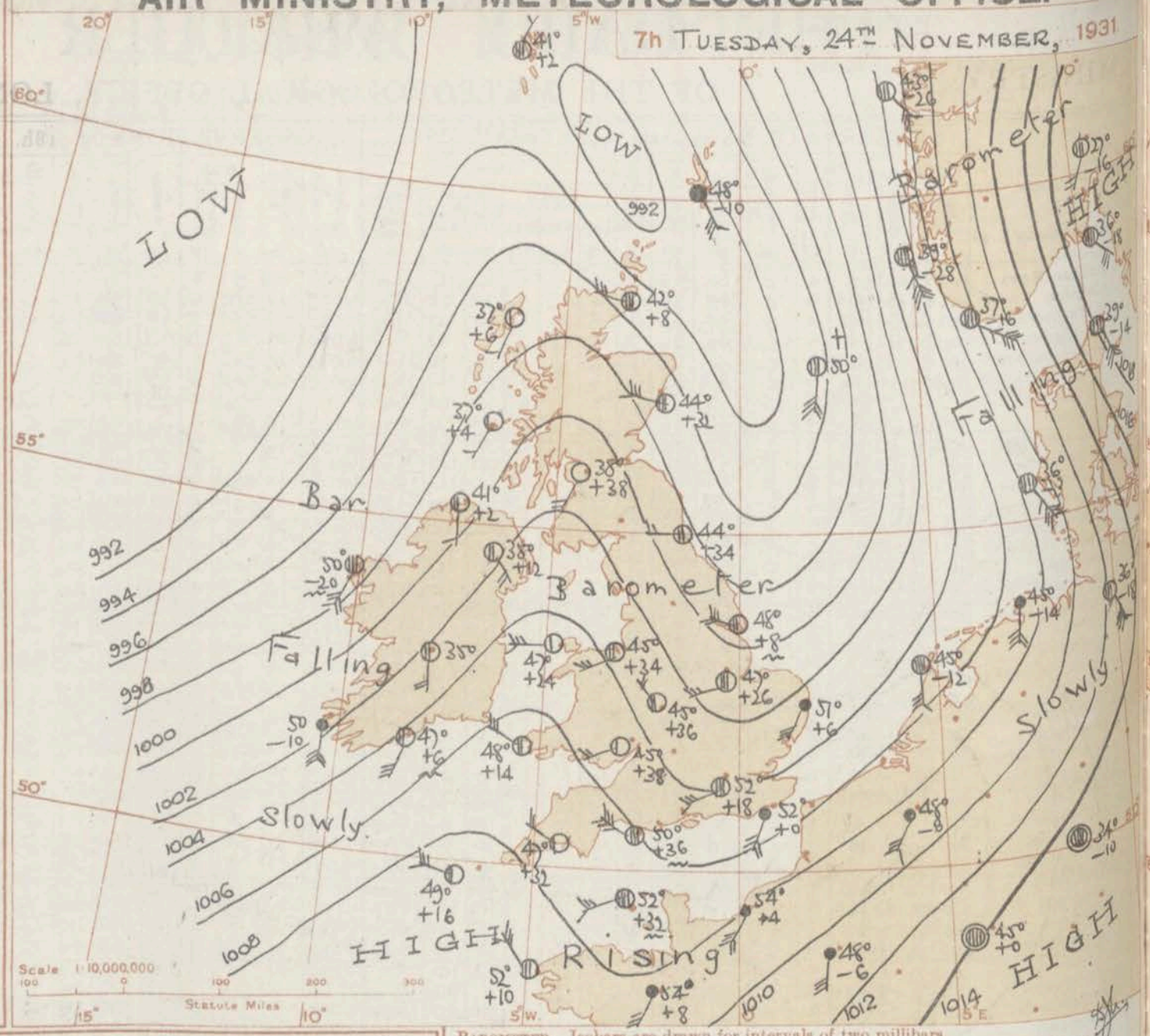
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 23rd NOVEMBER 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 22nd to 23rd 9h.	Temperature. Max. 9h.—17h. 23rd	Rainfall. Night. 17h. 22nd to 23rd 9h.	Rainfall. Day. 9h.—17h. 23rd	Sunshine. Sunrise to Sunset. 23rd
1	Tunbridge W.	o	o	36	49	0·3	-	0·0
	Bournemouth	o	o	38	52	0·3	-	0·0
	Ventnor ...	pou	ou	47	51	0·3	-	0·0
	Southsea ...	c	c	44	52	-	-	0·0
	Bognor Regis	co	o	41	52	0·3	-	0·0
	Littlehampton	c	c	42	51	0·1	-	0·0
	Worthing ...	o	o	40	52	Trace	-	0·0
	Brighton ...	oco	c	41	52	-	-	0·0
	Eastbourne†	o	o	47	52	-	-	0·0
	Hastings† ...	oco	o	45	51	0·1	-	0·0
	Folkestone ...	wom	om	44	50	-	-	0·0
	Dover... ...	mo	oco	43	51	-	-	0·0
	Deal	oco	o	37	49	-	-	0·0
	Ramsgate ...	c	c	41	50	-	-	0·0
	Margate ...	c	c	44	49	-	-	0·0
2	Southend ...	o	o	43	48	0·5	-	0·0
	Maldon ...	ro	o	38	49	0·3	0·3	0·0
	Clacton-on-Sea	opog	og	41	48	-	0·3	0·0
	Dovercourt ...	doc	oc	45	48	Trace	-	0·0
	Lowestoft ...	bcor	pro	37	50	Trace	0·2	0·0
	Skegness ...	om	om	38	47	-	-	0·0
	Mablethorpe	o	op	35	47	Trace	Trace	0·0
	Cleethorpes ...	o	oir	34	46	Trace	0·3	0·0
3	Leamington S.	od	od	37	49	0·1	0·5	0·0
4	Cheltenham†	ocp	op·o	39	50	Trace	Trace	0·0
5	Bath	r·c	cr	36	53	1	0·3	0·0
	Weymouth ...	c	cud·c	44	55	Trace	Trace	0·0
	Jersey ...	c	c	47	52	-	-	0·0
	Torquay ...	p·om	odpor	40	55	Trace	1	0·1
	Penzance ...	orr	orr	51	56	6	5	0·0
	St. Ives ...	rr	rr	49	56	6	13	0·0
	Bude	rr	rr	49	51	0·3	2	0·0
	Ilfracombe ...	o	or	47	55	2	1	0·0
6	Aberystwyth	c	cir	41	54	-	1	0·0
7	Llandudno ...	od	d·od	39	52	-	1	0·0
	Colwyn Bay...	o	orr	41	52	-	1	0·0
	Rhyl	c	cd	40	51	-	Trace	0·0
8	Wallasey ...	or	ro	37	49	3	1	0·0
	Southport‖ ...	rr	rro	41	49	1	9	0·0
	Blackpool ...	or	or	37	48	1	8	0·0
	Morecambe ...	ror	rrorr	36	49	4	9	0·0
9	Ilkley... ...	our	r	30	47	Trace	2	0·0
10	Berwick-on-T.	o	oro	36	46	Trace	1	0·0
11	Dunbar ...	cm	or	39	49	-	Trace	0·0
12	Douglas ...	oqiR	RRqm	45	51	4	17	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 3/10 clouded. ◑ Sky 3/10 to 6/10 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.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 24th Nov. 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Light westerly wind, backing and freshening later; fine today, probably rain tomorrow, local fog night and morning; mild during day, slight ground frost locally at night.
4. W. Midlands	Wind backing south and freshening; fine at first, some rain later; mild.
5. S.W. England 6. South Wales 7. North Wales	Wind backing south and becoming fresh or strong, veering again later; mainly cloudy, rain at times; mild.
8. N.W. England 9. N. Midlands	As 4.
10. N.E. England	As 1 - 3.
11. S.E. Scotland	As 4.
12. S.W. Scotland & Isle of Man	As 4.
13. A. W. Scotld. B. N.W. Scotland.	Fresh or strong southerly winds; cloudy, rain at times; mild.
14. Mid-Scotland 15. N.E. Scotland	As 4.
16. Orkneys and Shetlands.	Moderate westerly wind, backing south later and freshening; mainly fine, perhaps rain tomorrow; mild.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 5 - 7.

GENERAL INFERENCE.

A wedge of high pressure is crossing the British Isles and a depression west of Ireland is moving slowly east and be coming less deep. Weather will be fine today, over most of Great Britain but unsettled conditions will spread eastward later.

FURTHER OUTLOOK.

Unsettled and mild.

Times of issue of Gale Warnings.

South Cone at 1355 on 22nd in Districts 5 - 8, and 12.

South cone at 1900 on 23rd. in Districts 13 and 17 - 20.

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

Forecasts issued at 0915 G.M.T.

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

⊙ = Calm.

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 24th November 1931.

No. 25569

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

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	1005.9	-30	S	5	rr	51	95	6	6	-	-	10	10	450
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1003.1	-28	S	7	r.r.	53	85	7	6	2	-	7-8	10	800
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1007.0	-22	SSW	4	c	50	85	6	5	2	-	2-3	10	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1004.4	-28	SSW	6	rr	49	95	6	6	-	-	10	10	1500
	Cranwell	240	998.9	-36	SE	5	rr	49	95	6	6	-	-	10	10	800
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1000.7	-16	SSW	7	rR	55	95	6	5	-	-	10	10	1500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1002.1	+34	WNW	3	c	50	95	7	5	1	-	7-8	10	4000
	Scilly (St. Mary's)	163	1003.8	+28	NW'N	5	c	50	75	8	7	-	-	9	9	4000
	Guernsey	175	1004.3	+16	SSW	5	ir	54	95	6	6	-	-	10	10	1500
6	Pembroke	142	1000.2	+32	WSW	3	cq	47	95	7	3	6	-	4-6	7-8	2500
7	Holyhead	26	999.6	+42	NNW	6	c	48	85	8	5	-	-	9+	9+	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	997.9	-22	SW	7	rr	47	95	6	6	-	-	10	10	2500
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	67	994.4	-32	S	3	o/r	49	95	7	6	-	-	10	10	1500
11	Inchkeith	190	992.7	-20	SE	2	rr	43	95	7	6	-	-	10	10	1500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	993.2	-6	-	0	bc	37	95	8	8	7	-	1	2-3	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	995.1	-20	W	2	r.r.	43	95	7	6	-	-	10	10	1500
16	Lerwick	54	997.2	-20	S	5	rr	48	95	6	6	-	-	10	10	800
17	Blacksod Point	18	999.5	+6	W	2	bc	39	95	8	2	-	-	2-3	2-3	800
18	Malin Head	52	997.3	+12	NNW	3	bc	48	85	8	2	-	-	2-3	2-3	2500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1002.8	+10	S'W	2	bc	47	85	8	5	-	-	4-6	4-6	2500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1005.1	+34	W	4	c	51	85	6	8	7	-	7-8	9	1500	1	*
	Croydon	1004.4	+18	W'S	4	c/d	52	95	6	6	2	-	7-8	9+	800	1	*
	S. Farnborough	1005.4	+26	WSW	2	c	47	85	7	5	-	-	9+	9+	1500	1	*
	Winchester	1005.3	+32	WNW	4	bc	46	95	8	5	-	-	2-3	2-3	2500	1	*
	Boscombe Down	1005.8	+34	NW	2	bc	45	95	7	5	-	-	4-6	4-6	2500	1	*
	Calshot (S'thmtn)	1005.7	+26	W'N	4	c	49	85	7	5	-	-	7-8	7-8	1500	1	2
	Dungeness	*	*	SSW	5	DD	*	*	4	9	-	*	10	10	800	*	3
	Lympne	1004.9	0	SW	5	dr	52	95	1	6	-	-	10	10	<150	1	*
2	Shoeburyness	1003.8	+4	SW	3	id	53	95	7	5	-	-	9+	9+	1500	1	*
	Felixstowe	1003.7	+8	SW'W	4	dd	50	95	6	6	-	-	10	10	450	1	3
	Gorleston	1002.5	+6	SW'W	3	ir	51	95	6	6	-	-	10	10	1500	1	3
	Cranwell	1002.5	+26	W'S	3	c	47	85	7	5	-	-	9+	9+	1500	1	*
3	Birmingham	1005.3	+36	NW	2	bc	45	85	8	5	-	-	2-3	2-3	4000	1	*
	Upper Heyford	1005.0	+40	W'N	3	c	47	95	8	5	-	-	7-8	7-8	2500	1	*
	Leafield	1004.7	+34	W'N	4	c	45	85	8	5	-	-	7-8	7-8	1500	1	*
4	Ross-on-Wye	1005.5	+34	W	2	b	45	75	8	5	-	-	1	1	4000	1	*
5	Portland Bill	1006.0	+36	WNW	6	c	50	75	7	8	6	-	4-6	7-8	1500	1	5
	Plymouth	1007.7	+32	WNW	2	b	47	85	8	5	-	-	Tr	Tr	4000	1	2
	Falmouth	1007.8	+10	W	2	bc	46	85	8	5	-	-	4-6	4-6	4000	0	1
	Scilly (St. Mary's)	1008.7	+16	W'N	4	bc	49	85	7	7	-	-	4-6	4-6	4000	1	3
	Guernsey	1007.7	+32	WSW	4	o	52	85	8	5	-	-	10	10	1500	1	4
6	Pembroke	1006.8	+14	WNW	3	b	48	85	8	-	6	-	0	2-3	-	1	2
7	Holyhead	1004.4	+24	W	4	b	47	85	8	1	-	1	Tr	1	2500	1	2
	Chester (Sealand)	1003.9	+34	WSW	3	bc	45	85	6	5	-	-	2-3	2-3	4000	1	*
8	L'pool (Bidston)	1003.3	+30	W'N	5	c	47	75	8	9	1	-	4-6	7-8	2500	0	*
9	Harrogate	1001.9	+30	W	2	b	43	85	8	2	-	-	Tr	Tr	2500	1	*
10	Spurn Head	999.5	+8	WNW	5	bc	48	85	7	4	3	-	2-3	4-6	4000	1	4
	Catterick	1001.7	+40	NW	4	bc	44	75	7	5	-	-	4-6	4-6	800	1	*
	Tynemouth	997.7	+34	W	2	bc	44	85	7	5	-	-	2-3	2-3	1500	1	2
11	Inchkeith	997.7	+18	W	3	c	45	85	8	5	-	-	7-8	7-8	2500	1	2
	Leuchars	997.6	+42	WSW	3	c	43	85	8	4	-	-	7-8	7-8	4000	2	*
12	Renfrew	1000.7	+38	SW	2	b	38	95	8	-	-	-	0	0	-	2	*
	Eskdalemuir	1000.6	+54	WNW	3	b	40	75	8	5	-	-	Tr	Tr	1500	1	*
13A	Tiree	998.4	+4	SW'W	2	b	37	85	9	1	4	-	Tr	1	4000	0	3
13B	Stornoway	996.9	+6	SW	1	b	37	95	8	4	-	-	1	1	4000	1	1
15	Dalwhinnie	999.1	+18	N	1	c	36	95	7	4	2	-	4-6	7-8	1500	1	*
	Aberdeen	996.7	+32	NNW	4	c	44	85	8	5	-	-	9+	9+	4000	1	3
	Wick	995.6	+8	WNW	3	c	42	95	8	8	1	-	4-6	9	2500	1	3
16	Lerwick	993.1	-10	SSE	4	RR	48	95	6	6	-	-	10	10	800	2	*
17	Blacksod Point	996.7	-20	SW	5	cjp	50	75	7	9	-	-	10	10	<150	0	4
18	Malin Head	999.5	+2	S	1	bc	41	95	8	4	5	9	1	2-3	5700	0	2
	Aldergrove	1002.7	+12	SSE	2	bc	35	95	7	-	-	8	0	2-3	-	2	*
	Donaghadee	1002.0	+24	WSW	2	bc	38	85	7	5	-	2	2-3	2-3	2500	1	1
19	Birr Castle	1003.0	+2	S	2	bc	35	95	7	5	4	-	2-3	4-6	2500	1	*
20	Valentia Obsy.†	1001.7	-10	S	5	o/pr	50	95	8	5	-	-	10	10	1500	1	-
	Roches Point	1004.6	+6	SW	3	bc	47	85	8	5	-	-	4-6	4-6	1500	1	5

PAST 24 HOURS.

District	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 23rd Hrs. (36)
1	London (Kew)	1	*	50	50	48	Tr.	2	0.0
	Croydon	1	*	50	50	48	Tr.	4	0.0
	S. Farnborough	1	*	50	47	42	0.1	3	0.0
	Winchester	1	*	50	46	43	Tr.	7	*
	Boscombe Down	1	*	50	44	41	0.3	5	0.0
	Calshot (S'thmtn)	1	2	52	49	46	Tr.	7	*
	Dungeness	*	3	51	50	*	-	3	0.0
	Lympne	1	*	49	48	47	-	3	0.0
2	Shoeburyness	1	*	50	46	45	0.3	1	0.0
	Felixstowe	1	3	50	47	46	Tr.	1	0.0
	Gorleston	1	3	48	47	46	0.1	4	0.0
	Cranwell	1	*	46	44	44	1	5	0.0
3	Birmingham	1	*	48	44	39	1	5	*
	Upper Heyford	1	*	48	47	43	Tr.	8	0.0
	Leafield	1	*	47	45	43	0.5	10	0.0
4	Ross-on-Wye	1	*	51	45	38	1	7	*
5	Portland Bill	1	5	55	50	*	Tr.	5	0.0
	Plymouth	1	2	55	47	44	23	10	0.0
	Falmouth	0	1	55	46	*	7	14	0.0
	Scilly (St. Mary's)	1	3	54	48	*	12	2	0.0
	Guernsey	1	4	54	52	49	-	6	0.0
6	Pembroke	1	2	54	45	*	16	7	0.0
7	Holyhead	1	2	52	47	41	5	10	0.0
	Chester (Sealand)	1	*	49	45	41	0.1	1	0.0
8	L'pool (Bidston)	0	*	49	45	43	0.4	0.6	0.0
9	Harrogate	1	*	45	43	38	4	7	0.0
10	Spurn Head	1	4	47	46	*	1	4	*
	Catterick	1	*	46	43	39	1	4	*
	Tynemouth	1	2	47	44	38	1	2	0.0
11	Inchkeith	1	2	48	42	40	2	7	0.0
	Leuchars	2	*	47	43	40	12	13	0.0
12	Renfrew	2	*	48	38	31	18	19	0.0
	Eskdalemuir	1	*	45	39	35	22	16	0.0
13A	Tiree	0	3	48	38	25	0.4	-	0.6
13B	Stornoway	1	1	48	35	*	0.4	-	0.0
15	Dalwhinnie	1	*	42	35	31	15	17	0.0
	Aberdeen	1	3	48	44	42	22	19	*
	Wick	1	3	48	40	*	3	10	*
16	Lerwick	2	*	48	46	*	16	23	0.0
17	Blacksod Point	0	4	52	38	*	-	-	*
18	Malin Head	0	2	48	40	*	Tr.	-	0.0
	Aldergrove	2	*	47	35	29	20	5	0.0
	Donaghadee	1	1	50	37	*	26	11	*
19	Birr Castle	1	*	47	33	23	24	Tr.	2.3
20	Valentia Obsy.†	1	-	48	38	33	4	0.4	0.1
	Roches Point	1	5	54	40	*	40	-	*

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon (24 hrs. ended 9h.)	Weather Night (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h. (To-day)
Kew	18	cr c3o	cm o	crcm o	50	50	48	Tr	2	0.0	*	*	6
Croydon	217	cm o	com r o	r r r r	50	50	48	Tr	4	0.0	*	*	6
Greenwich (Royal Observatory)	149	c	c	r r cm	51	49	45	-	2	0.0	87	89	3
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Park)	27	*	*	*	52	49	44	2	*	0.0	81	86	*
Regents Pk. (Botanic Gardens)	188	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square	110	c	c	*	49	47	45	0.3	3	*	*	90	*
Kensington	80	co	co	*	50	50	46	-	2	0.0	At 18h. 88		*
Hampstead Observatory	450	o	om	*	51	45	40	1	3	0.0	*	97	*

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	10h 23rd	0.0	0h-7h 24th

Kew Observatory Max.	Time	Min.	Time
0.4	15h 23rd	<0.1	1h-5h 24th

FOREIGN OBSERVATIONS.

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

Stations	Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.
Paris	1015.3	SSE	3	m	48
Brussels	1015.0	SSE	5	c	43
Berlin	1027.0	ESE	3	c	34
Zurich	1023.0	NW	1	c	39
Rome	1026.1	N	1	bc	46

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

Stations	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	WNW	3	ir	48	52	46	-	5
Brussels	1008.4	SSW	4	rr	48	45	41	-	Tr
Berlin	1018.8	SE	4	3	32	37	32	-	-
Zurich	1019.8	SE	1	F	36	45	*	-	*
Rome	1022.3	E	2	m	36	55	34	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

Wednesday, 25th November 1931.

No. 25570

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0-10 (12)	Cloud. Amount. Total 0-10 (13)	Cloud. Height of Base. (feet) (14)
1	London (Kew) ...	1011.0	+3.8	W'N	3	bc	51	65	6	4	-	-	4.6	4.6	2500
	Croydon ...	1010.3	+2.2	NNW	3	bc	53	65	6	7	-	-	2.3	2.3	4000
	S. Farnborough	1011.0	+2.0	W	2	b	52	65	8	1	-	-	Tr.	Tr.	4000
	Winchester ...	1010.9	+1.4	WNW	3	b	51	65	8	1	-	-	Tr.	Tr.	2500
	Boscombe Down	1010.9	+1.4	WNW	3	b	50	65	7	1	-	-	Tr.	Tr.	2500
	Calshot, S'thmtn	1011.0	+1.2	WNW	3	b	51	65	8	1	-	-	1	1	4000
	Dungeness ...	*	*	WSW	3	c	*	*	7	4	7	+	4.6	7.8	2500
	Lympne ...	1010.5	+2.6	WNW	3	c	52	75	5	5	-	-	7.8	7.8	2500
2	Shoeburyness	1010.2	+2.6	WNW	3	bc	51	75	8	5	-	-	2.3	2.3	4000
	Felixstowe ...	1009.7	+3.0	NW'N	3	b	51	65	8	1	-	-	1	1	1500
	Gorleston ...	1008.1	+2.4	SW	3	bc	50	75	7	-	4	-	0	2.3	-
	Cranwell ...	1007.7	+1.4	W'S	3	c	49	75	6	-	-	6	0	9	-
3	Birmingham ...	1009.6	+1.0	WSW	3	bc	49	65	8	1	-	1	1	2.3	2500
	Upper Heyford	1010.6	+2.0	W	3	b	52	65	8	-	3	-	0	1	-
	Leafield ...	1009.5	+1.0	WSW	2	b	51	65	8	5	-	-	Tr.	Tr.	4000
4	Ross-on-Wye ...	1010.2	+1.0	WSW	3	b	51	65	8	1	-	1	Tr.	Tr.	4000
5	Portland Bill...	1011.9	+1.0	WNW	4	bc	52	65	8	1	-	-	2.3	2.3	2500
	Plymouth ...	1012.1	+1.0	W	3	c	53	65	8	7	-	-	7.8	7.8	2500
	Falmouth ...	1011.6	+4	SW	4	bc	52	75	7	5	5	-	2.3	4.6	4000
	Scilly (St. Mary's)	1011.2	+2.4	SSW	5	c	53	85	7	5	8	-	4.6	7.8	4000
	Guernsey ...	1013.3	+2.6	WNW	3	bc	53	65	8	7	4	-	4.6	4.6	2500
6	Pembroke ...	1008.3	+4	SSW	4	g	52	85	8	3	7	-	4.6	4.6	1500
7	Holyhead ...	1007.1	+2	SSW	5	g	51	85	8	-	-	9+	9+	2500	
	Chester (Sealand)	1008.1	+2	SSW	2	c	52	65	8	1	-	6	1	7.8	4000
8	L'pool (Bidston)	1007.7	+6	WSW	4	bc	49	65	8	7	-	4	2.3	4.6	2500
9	Harrogate ...	1006.0	+6	SW'W	5	c	48	75	8	-	-	4	0	7.8	-
10	Spurn Head ...	1006.8	+6	NW'W	3	c	48	85	6	5	-	9	4.6	7.8	1500
	Catterick ...	1006.0	+1.4	WSW	4	c	49	65	8	4	-	6	1	7.8	4000
	Tynemouth ...	1004.4	+2.2	W	2	bc	48	75	6	2	-	1	4.6	4.6	2500
11	Inchkeith ...	1004.1	+2.4	SSW	3	c	47	85	7	5	5	9	2.3	7.8	2500
	Leuchars ...	1003.7	+2.4	WSW	3	bc	46	75	7	7	4	6	Tr.	4.6	2500
12	Renfrew ...	1003.6	+.8	WSW	3	c	48	75	7	8	4	6	4.6	9	4000
	Eskdalemuir ...	1004.8	+1.0	SW'S	4	c	44	75	8	5	3	4	1	7.8	1500
13A	Tiree	9972	-2.0	S'E	6	c/r	46	85	7	6	2	-	9	10	1500
13B	Stornoway ...	9969	+.6	S	5	c	47	85	8	5	7	-	4.6	7.8	4000
15	Dalwhinnie ...	1003.3	0	SSW	2	c	40	85	8	4	1	-	4.6	7.8	2500
	Aberdeen ...	1002.4	+2.4	SW	2	bc	45	75	7	-	-	3	0	2.3	-
	Wick	9994	+1.6	WSW	3	bc	46	85	8	-	1	4	2.3	2.3	4000
16	Lerwick ...	9960	[illegible]	W'S	1	c	48	85	8	8	3	4	4.6	7.8	1500
17	Blacksod Point	9965	+.4	SW	4	;R	52	95	7	6	-	-	9+	9+	<150
18	Malin Head ...	9972	-1.4	S'W	6	c	48	95	7	5	7	-	4.6	9	1500
	Aldergrove ...	1002.3	-.8	S	4	c/pr	47	75	7	5	7	-	7.8	9+	2500
	Donaghadee ...	1003.1	-.8	NSW	2	c	48	75	7	6	-	-	7.8	7.8	2500
19	Birr Castle ...	1001.9	-1.4	S	4	c/pr	50	95	7	9	8	-	4.6	9+	1500
20	Valentia Obsy.	1002.1	+.2	S'W	5	c	54	85	7	5	-	-	1.0	1.0	1500
	Roches Point...	1004.5	-.4	SW	5	c	53	95	7	6	-	-	9	9	1500

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

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Cloud. Form. Med. (24)	Cloud. Form. High. (25)	Cloud. Amount. Low. 0-10 (26)	Cloud. Amount. Total 0-10 (27)	Cloud. Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1014.2	+2.0	SW	2	b	45	85	5	-	-	-	0	0	-	1	•
	Croydon ...	1013.2	+1.4	SW	2	b	44	85	5	-	-	-	0	0	-	1	•
	S. Farnborough	1014.0	+1.8	SW'W	1	b	40	95	7	-	-	-	0	0	-	1	•
	Winchester ...	1014.2	+1.4	S	1	b	40	95	7	-	-	-	0	0	-	1	•
	Boscombe Down	1013.7	+1.4	SSW	2	b	40	95	7	-	-	1	0	Tr.	-	1	•
	Calshot, S'thmtn	1013.8	+.8	SW'S	2	b	46	85	7	-	-	-	0	0	-	0	0
	Dungeness ...	*	*	WSW	1	bc	*	*	7	1	1	*	2.3	4.6	2500	*	0
	Lympne ...	1014.3	+1.8	W	3	b	44	85	6	-	-	-	0	0	-	1	•
2	Shoeburyness	1013.8	+2.0	-	0	b	41	95	4	-	-	-	0	0	-	1	•
	Felixstowe ...	1013.6	+2.4	-	0	b	43	85	6	-	-	1	0	1	-	0	2
	Gorleston ...	1012.8	+2.2	WSW	2	b	45	85	6	-	-	-	0	0	-	0	1
	Cranwell ...	1011.7	+1.8	SSW	2	c	38	95	6	-	-	6	0	7.8	-	1	•
3	Birmingham ...	1011.7	+1.0	SSW	3	c	45	85	7	-	3	-	0	7.8	-	1	•
	Upper Heyford	1013.2	+1.4	SW'S	1	b	42	85	6	-	-	8	0	1	-	1	•
	Leafield ...	1013.0	+1.4	S	2	b	39	95	7	-	4	1	0	Tr.	-	1	•
4	Ross-on-Wye ...	1011.9	+.8	S'W	2	c	47	85	7	5	3	6	2.3	7.8	4000	1	•
5	Portland Bill...	1013.5	+.6	SW'W	4	c	53	75	8	8	4	-	7.8	7.8	2500	1	3
	Plymouth ...	1012.9	+.4	S'W	5	c	53	85	7	5	7	-	7.8	9+	2500	1	3
	Falmouth ...	1012.0	+.4	SW	4	c	52	85	7	5	-	-	9	9	4000	0	2
	Scilly (St. Mary's)	1011.0	0	SSW	5	bc	52	95	7	5	-	1	2.3	4.6	4000	1	3
	Guernsey ...	1015.2	+.4	W'S	2	bc	49	85	7	7	4	-	4.6	4.6	2500	0	3
6	Pembroke ...	1007.7	0	S	5	o/d	53	95	6	6	-	-	10	10	800	1	3
7	Holyhead ...	1006.6	-.4	S	5	d.d.	51	95	5	6	-	-	10	10	450	1	2
	Chester (Sealand)	1009.1	+.4	ESE	3	c	47	85	7	5	-	-	9	9	4000	1	•
8	L'pool (Bidston)	1008.3	0	SE'S	3	c	48	75	7	5	-	-	9	9	2500	0	•
9	Harrogate ...	1008.7	+.4	SSW	4	c	45	75	7	-	3	-	0	7.8	-	1	•
10	Spurn Head ...	1010.0	+.4	SW'W	3	bc	44	95	6	5	-	1	2.3	4.6	1500	0	2
	Catterick ...	1008.4	+.6	SE	3	c	48	75	7	4	7	-	2.3	7.8	4000	1	•
	Tynemouth ...	1007.0	+.0	SW	3	bc	46	85	7	2	-	-	4.6	4.6	2500	0	2
11	Inchkeith ...	1003.4	-.4	S	4	c	49	75	8	5	2	-	4.6	10	2500	0	3
	Leuchars ...	1003.4	-.6	ESE	3	id.	46	75	6	5	2	-	9+	10	1500	2	•
12	Renfrew ...	1002.4	-.6	S	4	c	49	85	6	6	2	-	7.8	10	1500	2	•
	Eskdalemuir ...	1004.5	-.8	S'W	4	d.d.	45	95	6	5	-	-	10	10	450	1	•
13A	Tiree	9964	0	S'E	5	c	50	95	7	5	1	-	7.8	10	1500	1	3
13B	Stornoway ...	9941	-.8	S	5	c	49	95	7	9	7	-	4.6	10	1500	1	4
15	Dalwhinnie ...	1000.9	-.6	S	3	rr	42	95	6	8	1	-	4.6	10	2500	1	•
	Aberdeen ...	1002.6	+.4	SSW	3	c	44	75	7	5	9	6	2.3	7.8	5700	1	2
	Wick	9983	-.10	S	5	c	47	75	8	8	7	8	4.6	10	2500	1	3
16	Lerwick ...	9995	+.16	W	1	b	43	85	5	2	-	-	1	1	1500	0	•
17	Blacksod Point	9965	0	SW	6	;R	51	75	6	6	-	-	10	10	<150	1	4
18	Malin Head ...	9972	-.4	S	5	c	50	95	7	5	1	-	7.8	9+	1500	0	3
	Aldergrove ...	1001.1	-.4	SSE	4	pr	50	85	7	6	2	-	4.6	10	1500	2	•
	Donaghadee ...	1001.6	-.8	SW	2	c/pr	50	95	7	5	-	-	7.8	7.8	1500	1	1
19	Birr Castle ...	1001.8	-.4	S	2	c	51	85	8	9	-	-	9	9	1500	1	•
20	Valentia Obsy.	1002.5	+.6	S'W	5	pr.	52	85	8	5	-	-	9+	9+	1500	1	4
	Roches Point...	1004.5	+.6	SW	5	;r	54	95	7	6	-	-	7.8	7.8	1500	1	6

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. 24th (37)	Weather. 13h.–18h. 24th (38)	Weather. 18h. 24th to 1h. 25th (39)	Weather. 1h.–7h. 25th (40)
1	London (Kew)...	cbbcz.	bcbz.	bz.cm.w	cwm.
	Croydon ...	bcecm.	bcbz.	bcmw	bcw
	S. Farnborough	c.b	bw	bxc	cm.
	Winchester ...	cbcb	bw	bbccwm.	cm.cr.
	Boscombe Down	bcb	b	bbcc	ccir.
	Calshot, S'thmtn	cbcc	b	bwbc	c.ir.bc
	Dungeness ...	bc	bc	•	bc
	Lympne ...	odo Fcm.	bm.	bccm.	cm.c
2	Shoeburyness	cd.bc	bcbm	bmbcm	bm.bcmw
	Felixstowe ...	oddm.bv	bvbm.	bm.	bm.c
	Gorleston ...	oir.bc	bcb	bbc.mmc	cm.bc
	Cranwell ...	cb.c	cz.bc	cm.	cb.cm.
3	Birmingham ...	bcb	bbc	bcc	c
	Upper Heyford	bcb	bm.	bbcw	bbcw
	Leafield ...	bcb	bw	bbcc	c
4	Ross-on-Wye ...	b	bbc	c	coc
5	Portland Bill...	cbc	bcc	cprc	c
	Plymouth ...	bz.bc	bcc	cir.	coir.
	Falmouth ...	bc	bccq	cr.q	cr.q
	Scilly (St. Mary's)	bcc	cbc	bcc	cp.
	Guernsey ...	ocbc	bc	bc	bcc
6	Pembroke ...	bcq	cqir	cidr.	cir.
7	Holyhead ...	bbcb	ir.d.	d.d.c	pr.bc
	Chester (Sealand)	bbcm.	bcc	cmor.	cikm.
8	L'pool (Bidston)	cbcbc	c	bcc	cpr
9	Harrogate ...	bbc	bc	bcciro	cir.
10	Spurn Head ...	bczc	cbc	bcc	cbcw
	Catterick ...	bbcc	cbc	bcc	cid.
	Tynemouth ...	bc	bc	bc, obc	bc
11	Inchkeith ...	cm.	c	cpr	cprbc
	Leuchars ...	bcbbc	bccid.	cd.rrm.	cbc
12	Renfrew ...	b.cm.c	circ	cirRir	cbc
	Eskdalemuir ...	bbc	cod.d.	orrR	oRcbc
13A	Tiree	cir	cir	PRW	PRq
13B	Stornoway ...	bcc	cir.	cir	c
15	Dalwhinnie ...	bc	ir	•	bcr
	Aberdeen ...	cbcb	b.c	cir.	cbcb
	Wick	cbc	bcc	c	cbc
16	Lerwick ...	oR.c	cbcm.	bcm.cpc	cpr.
17	Blacksod Point	ir	irq	tlpr	prq
18	Malin Head ...	bccirc	cc	crbcpr	cbcb
	Aldergrove ...	bccp.	cr.	cp.c	cb
	Donaghadee ...	bcc	cp.r	pr.bc	bcb
19	Birr Castle ...	bccpr	c	cprbc	bcxc
20	Valentia Obsy.	circp.c	cp.	pr	pr.c
	Roches Point...	circ	cir	cirbc	bcc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s., slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

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

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.

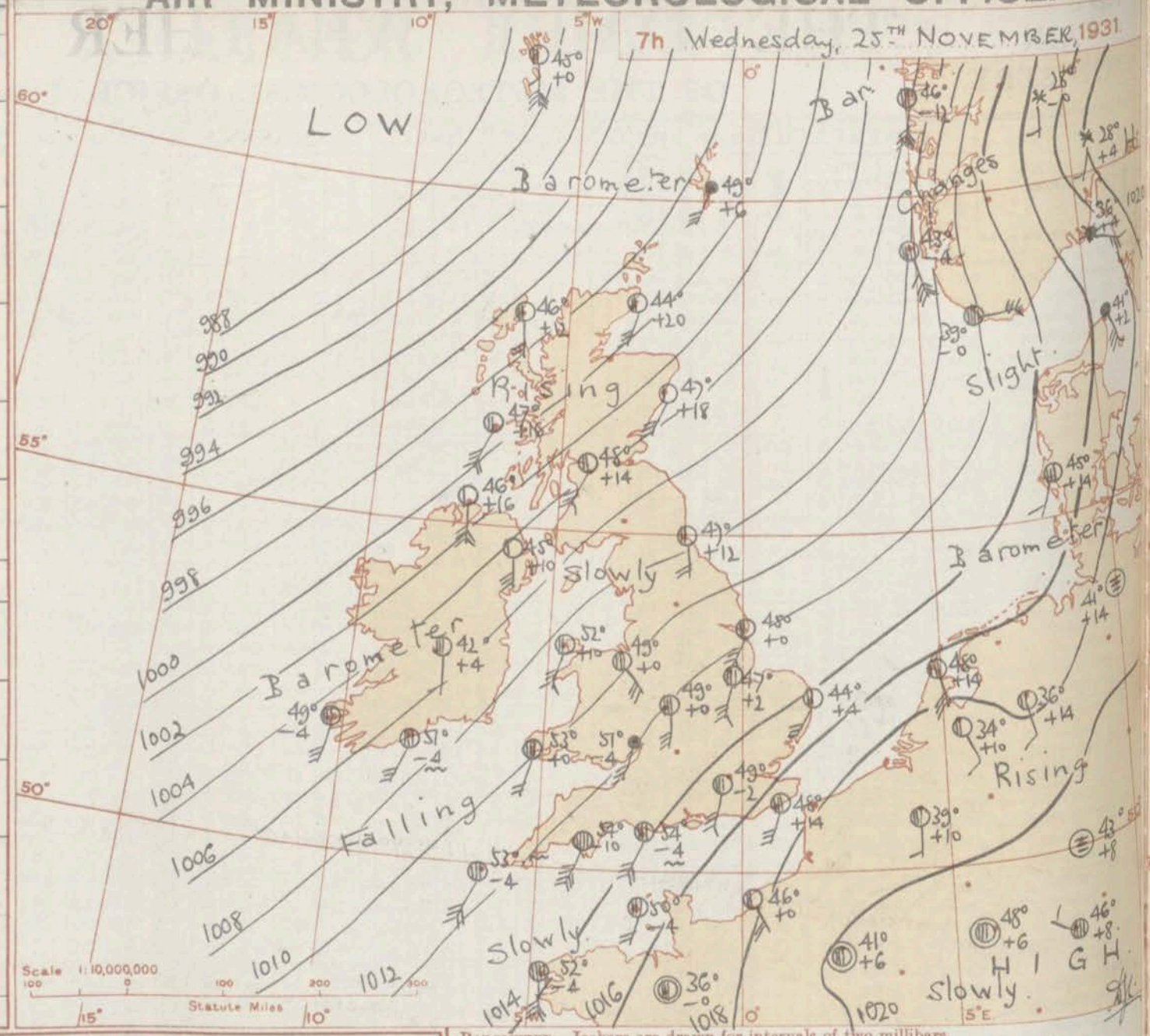
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 24th NOVEMBER 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 23rd 9h. to 24th 9h.	Temperature. Max. 9h.—17h. 24th	Rainfall. Night. 23rd 17h. to 24th 9h.	Rainfall. Day. 9h.—17h. 24th	Sunshine. Sunrise to Sunset 24th
1	Tunbridge W.	bcc	cbcb	46	51	7	-	4.6
	Bournemouth	b	bm	44	52	8	-	7.5
	Ventnor ...	rbcb	b	46	52	6	-	6.8
	Southsea ...	b	b	47	51	7	-	7.8
	Bognor Regis	bbc	bcbc	46	52	7	-	7.6
	Littlehampton	bc	bcb	50	56	6	-	7.3
	Worthing ...	b	b	48	53	8	-	6.8
	Brighton ...	bc	bbc	49	53	6	-	6.4
	Eastbourne†	cbc	bcb	50	56	7	-	4.7
	Hastings† ...	cobc	bccbc	50	54	6	-	3.3
	Folkestone ...	rco	ocbcm	46	56	3	-	1.2
	Dover... ...	bcimc	cimb	46	56	3	-	1.4
	Deal	cbco	oc	46	56	3	-	0.9
	Ramsgate ...	bcc	cbc	47	55	0.4	-	1.9
	Margate ...	cbc	bc	45	53	1	-	2.2
2	Southend ...	cbcb	b	45	55	0.6	-	3.7
	Maldon ...	cbc	b	46	53	3	-	4.7
	Clacton-on-Sea	cbc	bc	46	52	2	-	5.3
	Dovercourt ...	rbc	bc	45	52	2	-	5.6
	Lowestoft ...	oprco	cbcb	43	53	3	-	4.8
	Skegness ...	bcm	bc	46	51	6	-	5.9
	Mablethorpe	bcb	bbcm	45	52	10	-	6.3
	Cleethorpes ...	b3	bc	44	49	5	-	4.9
3	Leamington S.	b	b	44	52	3	-	7.4
4	Cheltenham†	bmb	b3b3o	44	54	10	-	7.2
5	Bath	b	b	45	52	4	-	7.4
	Weymouth ...	b	b	45	55	5	-	7.6
	Jersey ...	rcbc	bc	48	55	4	-	2.7
	Torquay ...	orq	bw3b	41	55	13	-	7.5
	Penzance ...	b	bc	42	55	11	-	5.4
	St. Ives ...	b	b	44	54	20	-	6.0
	Bude	pcbc	bcb	49	54	5	-	6.9
	Ilfracombe ...	b	bbc	48	53	12	-	6.2
6	Aberystwyth	cprbc	bcc	47	52	4	-	5.1
7	Llandudno ...	bbc	bcc	46	52	3	-	4.9
	Colwyn Bay...	bbcbc	bcbcc	43	50	9	-	4.5
	Rhyl	bbc	bbc	42	51	2	-	6.0
8	Wallasey ...	b	bbc	45	52	1	-	4.8
	Southport‖ ...	bbc	bbcco	47	51	1	-	5.4
	Blackpool ...	oc	bcco	46	50	5	-	5.1
	Morecambe ...	cbbc	b	45	50	5	-	5.0
9	Ilkley... ...	b	bbc	40	49	8	-	3.6
10	Berwick-on-T.	bc	bc	42	47	7	-	5.1
11	Dunbar ...	obc	cbc	42	49	2	-	4.4
12	Douglas ...	bccb	coirom	41	52	22	0.5	3.2

† 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 1/8 clouded. ◒ Sky 1/10 to 1/8 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. 25th Nov. 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Moderate or fresh southerly wind, probably backing temporarily to southeast; cloudy, probably slight rain later; mild.
4. W. Midlands 5. S.W. England	Moderate southerly wind, freshening later; cloudy, occasional slight rain; mild.
6. South Wales 7. North Wales 8. N.W. England	Moderate to strong southerly winds; cloudy, local drizzle, probably general rain later; mild.
9. N. Midlands 10. N.E. England	As 4.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Moderate southerly wind, freshening later; fair at first, occasional rainlater; mild.
13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland	▼ Freshening southerly wind, probably a gale locally later; local showers at first, rain later; mild.
15. N.E. Scotland	As 11.
16. Orkneys and Shetlands.	As 12 - 14.
17. N.W. Ireland 18. N.E. Ireland	▼ Fresh or strong southerly wind, a gale locally; cloudy, some rain; mild.
19. S.E. Ireland	As 5 - 8.
20. S.W. Ireland	As 17.

GENERAL INFERENCE.

A deep depression is centred off Southern Iceland and active secondaries are approaching the British Isles from west and southwest. Wind will be southerly and may reach gale force later today in West Ireland and the Hebrides. Weather will be mainly cloudy with local drizzle in the West, and a general deterioration later.

FURTHER OUTLOOK.

Unsettled and mild.

Time of Issue of Gale Warnings.

▼. South cone at 0820 on 25th in districts 13, 17 and 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. Pp 304/2334 ** 1000 27000 - 9.

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, 25th November 1931.
No. 25570

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

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	SW	4	bc	44	95	7	–	–	8	0	4-6	–
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1016.5	+8	SSW	3	c	51	85	8	5	2	–	4-6	10	4000
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1016.8	+16	SW	3	c	45	95	6	–	–	8	0	7-8	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ..	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1014.7	+2	SW	3	c	41	95	5	6	–	–	7-8	7-8	1500
	Cranwell ...	240	1012.3	+2	SW	4	c	47	85	7	5	7	–	7-8	10	5700
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	1014.5	+2	SW'S	5	c	54	95	7	4	2	–	7-8	10	2600
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1012.5	0	SW	6	q	54	95	7	5	–	–	9	9	4000
	Scilly (St. Mary's)	163	1011.6	+2	SSW	6	c	53	95	7	5	–	–	7-8	7-8	4000
	Guernsey ...	175	1016.5	+4	SW'W	3	bc	51	95	8	5	4	–	4-6	4-6	2500
6	Pembroke ...	142	1009.1	+6	SW	5	ir	54	95	6	3	6	–	4-6	9+	800
7	Holyhead ...	26	1007.2	+2	SWS	5	c/pr	52	95	6	3	3	–	4-6	7-8	1600
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1010.6	0	SWS	4	c	45	86	6	4	1	–	4-6	9+	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	87	1005.5	-4	S	2	bc	46	95	7	2	–	–	4-6	4-6	2500
11	Inchkeith ...	190	1002.5	-4	SSW	4	c	51	86	8	5	1	–	4-6	7-8	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	993.7	0	SW	5	c/r	48	95	8	9	7	–	4-6	9	2600
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	997.4	-4	S	4	c	49	85	8	8	6	–	4-6	7-8	2600
16	Lerwick ...	54	999.6	-12	SW	3	pr₀	48	86	7	5	2	–	4-6	10	1500
17	Blacksod Point	18	990.0	+20	SW	5	PR	50	95	6	7	–	–	9+	9+	450
18	Malin Head ...	52	999.2	-10	SSW	5	c	47	95	8	2	5	–	Tr	9	4000
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1004.7	+14	SW	4	bc/pr	49	95	8	8	–	–	4-6	4-6	2600
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 25th Nov. — 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 24th Hrs. (36)
London (Kew)	1015.3	0	SW	2	c	48	95	6	5	7	2	4-6	7-8	1500	1	·	51	41	32	–	–	6.4
Croydon	1015.4	-2	SW	4	c	49	95	6	5	3	9	2-3	7-8	800	1	·	53	40	36	–	Tr	6.3
S. Farnborough	1014.9	-2	S	3	c	50	95	6	5	–	–	9+	9+	800	1	·	54	39	26	Tr	Tr	6.7
Winchester	1014.9	-4	S	3	c	50	95	7	5	–	–	9+	9+	1500	1	·	52	36	30	–	0.3	6.8
Boscombe Down	1014.4	+2	S	3	c	49	95	6	5	–	–	9+	9+	800	1	·	51	39	35	–	0.1	
Calshot (S'thmtn)	1015.3	-2	SSW	3	c	51	95	7	5	4	–	7-8	7-8	2500	1	1	52	45	33	–	0.1	8.0
Dungeness	*	*	SW	3	c	*	*	7	4	7	*	4-6	7-8	2500	*	2	54	41	*	0.5	–	·
Lympne	1017.1	+2	SSW	3	c	48	95	7	5	–	1	4-6	7-8	2500	1	·	53	40	33	0.2	–	1.2
Shoeburyness	1016.0	0	S	2	bc	43	95	7	–	3	8	0	4-6	–	1	·	54	36	31	Tr.	Tr	4.2
Felixstowe	1016.3	+2	SSW	2	c	47	95	7	5	–	–	9+	9+	1500	0	2	52	39	29	Tr.	–	5.9
Gorleston	1014.5	+4	SW	3	bc	44	95	6	–	7	–	0	4-6	–	0	2	52	39	35	0.1	–	4.9
Cranwell	1012.5	+2	SSW	4	c	47	95	6	5	3	–	4-6	7-8	5700	1	·	49	36	30	–	–	6.8
Birmingham	1012.2	0	S	3	c	49	95	7	5	3	–	4-6	9	800	1	·	50	44	42	–	–	6.9
Upper Heyford	1014.0	0	S	2	bc	46	95	6	5	3	–	1	4-6	450	1	·	52	40	34	–	–	·
Leafield	1012.9	0	S	3	c	47	95	8	5	–	8	9	9+	800	1	·	51	39	32	–	–	6.5
Ross-on-Wye	1011.9	-4	S'W	3	ird	51	85	6	5	–	–	10	10	2500	1	·	54 (52)	46	38	–	–	7.5
Portland Bill	1014.0	-4	SW'S	5	c	54	85	7	4	4	1	4-6	7-8	2500	1	4	55	52	·	–	Tr	·
Plymouth	1012.7	-10	SSW	7	o	54	95	6	5	–	–	10	10	800	1	3	54	52	49	–	0.2	6.1
Falmouth	1011.1	-2	SW'S	7	q	53	95	7	5	–	–	10	10	4000	0	4	53	52	·	–	0.1	6.4
Scilly (St. Mary's)	1010.9	-4	SSW	5	c	53	95	6	5	–	–	9+	9+	4000	1	3	54	52	·	–	0.1	5.5
Guernsey	1016.0	-4	SSW	2	c	50	95	7	5	1	–	4-6	7-8	2500	0	2	53	49	42	–	–	3.8
Pembroke	1009.1	0	SSW	2	c	53	95	7	3	6	–	4-6	7-8	1500	1	2	54	52	·	0.6	1	4.3
Holyhead	1008.5	+10	SW'S	4	bc	52	95	7	5	–	4	Tr	2-3	1500	1	2	52	51	47	1	0.4	2.4
Chester (Sealand)	1009.6	0	SSE	3	c	49	95	6	5	3	–	4-6	7-8	4000	1	·	52	47	45	–	1	4.9
L'pool (Bidston)	1009.3	+4	SE'S	2	ir₀	50	95	8	5	–	–	4-6	4-6	1500	1	·	49	47	46	–	1	4.0
Harrogate	1010.1	+6	SSW	1	ir₀	49	95	7	6	7	–	7-8	9+	4000	1	·	48	45	41	–	Tr	6.4
Spurn Head	1011.2	0	SW'S	4	bc	45	95	7	–	7	1	0	4-6	–	1	3	50	43	·	–	Tr	4.0
Catterick	1009.2	+12	SSW	3	c	49	85	7	5	3	–	7-8	7-8	1500	1	·	50	44	37	0.1	Tr	·
Tynemouth	1007.3	+12	S	2	bc	47	85	6	5	–	2	4-6	4-6	800	0	2	49	45	36	–	–	·
Inchkeith	1004.4	+12	SW	4	bc	48	85	8	8	4	–	2-3	2-3	4000	0	2	50	48	44	–	0.4	4.8
Leuchars	1004.6	+18	SW	4	bc	47	85	7	4	–	–	4-6	4-6	2500	2	·	47	45	40	Tr	2	3.8
Renfrew	1004.6	+14	SW	4	bc	48	85	8	8	–	–	4-6	4-6	2500	1	·	49	48	44	0.1	5	1.3
Eskdalemuir	1006.2	+14	ENE (SW)	2 (5)	bc	46	85	7	8	–	–	4-6	4-6	1500	1	·	45	44	43	1	15 (18)	4.3
Tiree	999.5	+16	SW'S	5	bc	47	85	7	3	–	3	2-3	2-3	2500	1	3	50	45	41	1	8	0.0
Stornoway	996.4	+12	S	2	c	46 (49)	95	8	9	7	–	4-6	7-8	1500	1	1	50	45	·	0.3	8	1.5
Dalwhinnie	1000.2	+6	SSW	3	bc	42	85	7	5	–	·	2-3	2-3	1500	1	·	42	40	39	1	8	2.4
Aberdeen	1003.3	+18	SSW	3	b	47	85	7	8	–	–	1	1	2500	1	2	46	44	40	–	0.1	4.6
Wick	999.4	+20	SSW	3	bc	44	85	8	7	6	8	2-3	4-6	4000	1	3	47	43	·	–	–	·
Lerwick	998.2	+6	SW	3	ir₀	49	85	7	6	–	–	10	10	800	1	·	48	42	·	4	1	1.8
Blacksod Point	1001.2	+6	WSW	6	PR	49	75	7	9	–	–	7-8	7-8	450	1	4	54	46	·	10	7	·
Malin Head	1001.1	+16	S	5	b	46	95	8	1	8	–	Tr	[illegible]	4000	1	3	50	45	·	0.3	0.5	1.3
Aldergrove	1004.9	+10	S	3	b	45	85	7	1	–	–	Tr	Tr	2500	1	·	50	45	39	0.2	0.5	0.5
Donaghadee	1005.1	+14	SW	1	b	46	85	7	5	–	–	1	1	2500	0	0	51	45	·	0.3	1	·
Birr Castle	1005.0	+4	S	1	c	42 (43)	95	8	4	–	1	4-6	7-8	2500	1	·	53	42	30	0.1	0.5	0.3
Valentia Obsy.†	1005.4	-4	SSW	3	c	49	85	8	5	2	–	7-8	10	2500	1	·	54	47	42	3	1	0.0
Roches Point	1006.7	-4	SW	3	c	51	95	8	3	5	–	2-3	9	1500	1	5	54	50	·	5	4	·

LONDON OBSERVATIONS.

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

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew ...	18	cbbcz₀	bcbz₀	bzcwm₀	51	41	32	–	–	6.4	·	·	6
Croydon ...	217	cbccm₀	bcbz₀	cb[illegible]	53	40	36	–	Tr	6.3	·	·	6
Greenwich (Royal Observatory) ...	149	cm	cbzm	bxc[illegible]	51	41	28	–	Tr	1.4	72	93	5
City (Bunhill Row) ...	—	·	·	·	·	·	·	·	·	1.9	·	·	·
Westminster (St. James' Park) ...	27	·	·	·	53	44	36	–	–	3.4	64	90	·
Regents Pk. (Botanic Gardens) ...	168	·	·	·	·	·	·	·	·	3.5	·	·	·
Camden Square ...	110	bbc	b	·	52	45	37	–	–	·	·	92	·
Kensington ...	80	bc	b	·	53	44	35	–	–	3.7	At 18h. 77	93	·
Hampstead Observatory ...	450	bcm	cm	·	54	41	35	–	Tr	5.0		95	·

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 25th

South Kensington. Max.	Time.	Min.	Time.
1.3	9h 24th	0.0	4h-6h 25th

Kew Observatory. Max.	Time.	Min.	Time.
0.8	20h 24th	<0.1	5h 25th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 24th Nov. Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 25th Nov. 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 ...	1015.7	WNW	2	olf	52	1020.1	–	0	c	41	55	37	0.2	–
Brussels ...	1014.2	WSW	3	c	48	1019.6	S	1	c	39	52	37	3	–
Berlin ...	1016.8	SE'S	4	bc	34	1019.8	S'E	2	z	36	37	32	–	–
Zürich ...	1020.3	S	1	r₀r₀	45	1022.4	SSW	1	m	45	46	43	2	1
Rome ...	1020.7	NNE	3	c	50	1020.6	NE	2	c	50	55	48	–	–

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

Thursday 26th November 1931.

No. 25571.

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

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)	1014.6	-22	S'W	3	c	54	85	6	5	-	6	9	9+	1500
	Croydon	1015.1	-12	SSW	3	id₀	52	85	6	5	-	-	10	10	1500
	S. Farnborough	1014.1	-18	S	4	c	53	85	7	5	-	8	9	9+	800
	Winchester	1013.5	-18	S'W	4	c	52	95	7	5	7	-	9	9+	1500
	Boscombe Down	1013.8	-14	S	5	c	53	85	7	8	3	-	7-8	9+	1500
	Calshot, S'thmtn	1015.4	-6	SSE	3	c	52	85	7	5	1	-	7-8	10	800
	Dungeness	*	*	S	4	c	*	*	7	4	2	*	7-8	9	1500
	Lympne	1016.7	-14	SSW	3	c	49	85	7	5	-	-	10	10	800
2	Shoeburyness	1015.8	-16	SSW	3	c	50	95	7	5	-	-	9+	9+	2500
	Felixstowe	1016.0	-14	SSW	3	c	50	95	8	5	1	1	4-6	9	1500
	Gorleston	1015.3	-4	SW'S	4	c	50	95	6	8	7	2	4-6	7-8	1500
	Cranwell	1012.4	-10	S	4	c	53	85	6	5	3	-	4-6	9	1500
3	Birmingham	1011.5	-6	SSW	4	c o	52	95	6	6	-	-	10	10	800
	Upper Heyford	1013.2	-14	S	4	c	52	95	7	5	-	-	10	10	1500
	Leafield	1012.5	-14	S	4	c	51	95	8	5	-	-	10	10	1500
4	Ross-on-Wye	1011.0	-10	SSW	3	c/d	53	85	7	6	1	-	9+	10	2500
5	Portland Bill	1012.8	-16	S	4	c	53	85	8	4	2	-	7-8	10	2500
	Plymouth	1011.5	-14	S	6	c	53	75	8	5	2	-	9+	10	800
	Falmouth	1010.2	-8	S'W	6	q	53	75	8	5	2	-	7-8	10	4000
	Scilly (St. Mary's)	1008.1	-20	S'E	5	c	53	85	7	8	2	-	4-6	9	4000
	Guernsey	1013.9	-22	S	5	c	51	95	7	8	2	-	7-8	10	2500
6	Pembroke	1008.1	-6	SSW	4	c	52 (53)	95	8	3	6	-	7-8	9	800
7	Holyhead	1008.1	-14	SSE	4	r₀r₀	52	95	6	6	2	-	7-8	10	450
	Chester (Sealand)	1009.7	-10	SE	2	id₀	52	95	6	5	-	-	10	10	1500
8	L'pool (Bidston)	1009.1	-10	SE	3	r₀r₀	50	95	4	5	-	-	10	10	800
9	Harrogate	1010.5	0	S	2	c	51	95	4	1	1	-	10	10	<150
10	Spurn Head	1011.8	+2	SW'S	4	c	50	95	6	5	1	9	4-6	7-8	1500
	Catterick	1009.8	-10	S	3	c	52	85	5	5	7	-	9+	10	800
	Tynemouth	1009.3	0	S	2	bc	52	85	6	5	3	1	2-3	4-6	1500
11	Inchkeith	1007.5	+12	SW	1	c	50	75	7	5	-	9	2-3	7-8	1500
	Leuchars	1007.6	+10	SSW	4	c	49	75	7	7	-	4	4-6	7-8	2500
12	Renfrew	1007.2	0	SSW	2	c	51	75	7	8	-	6	4-6	7-8	1500
	Eskdalemuir	1007.8	0	SSW	5	c	49	85	6	8	-	6	4-6	9+	1500
13A	Tiree	1001.8	+4	SSW	5	RR	46	85	6	9	5	8	7-8	10	1500
13B	Stornoway	999.3	+8	S	5	c	49	95	8	8	7	8	7-8	9+	1500
15	Dalwhinnie	1005.1	+20	SSW	3	bc	45	65	8	7	-	2	4-6	4-6	2500
	Aberdeen	1006.4	+12	SSW	3	c	49	75	7	3	-	9	2-3	7-8	2500
	Wick	1002.5	+16	SSW	4	bc	49	85	8	7	4	3	2-3	4-6	4000
16	Lerwick	1008.0	+14	S	2	bc	50	85	8	5	-	9	2-3	2-3	1500
17	Blacksod Point	1000.8	-6	S	1	o	50	75	8	-	2	-	0	10	-
18	Malin Head	1002.7	-4	SSW	4	c	49	85	8	5	4	9	2-3	7-8	4000
	Aldergrove	1005.7	-6	SSE	3	c	48	85	7	-	7	6	0	9	-
	Donaghadee	1006.1	-8	SW	1	c	50	75	7	5	3	-	4-6	7-8	2500
19	Birr Castle	1003.9	-12	S	1	rr	49	95	6	6	-	-	10	10	1500
20	Valentia Obsy.	1001.5	-30	SSE	3	rr	49	95	7	5	2	-	4-6	10	1500
	Roches Point	1003.1	-36	SW	6	rr	52	95	7	6	-	-	10	10	1500

OBSERVATIONS at 18h. G.M.T. 25th Nov.

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)	1011.7	-16	SSE	2	c	50	85	6	5	2	-	7-8	10	2500	1	•
Croydon	1012.1	-16	S'E	2	c	49	85	6	5	-	-	10	10	800	1	•
S. Farnborough	1011.3	-16	SSE	3	c	49	85	6	5	1	-	7-8	10	1500	1	•
Winchester	1011.0	-18	S'E	4	c	48	95	7	5	2	-	7-8	9+	2500	1	•
Boscombe Down	1010.4	-18	S	4	c	47	95	7	5	3	-	4-6	9+	1500	1	•
Calshot, S'thmtn	1012.4	-14	SSE	3	c	50	85	8	5	-	-	7-8	7-8	1500	0	1
Dungeness	*	*	S	3	c	*	*	7	4	2	•	7-8	9	1500	•	2
Lympne	1013.7	-6	S	3	c	47	85	6	5	-	-	10	10	1500	1	•
Shoeburyness	1013.6	-16	SSW	3	c	42	95	7	5	-	-	9+	9+	2500	1	•
Felixstowe	1014.2	-8	S'E	4	c	48	85	8	5	1	-	4.6	9	2500	0	3
Gorleston	1013.5	-8	SSW	3	c	48	95	6	5	-	-	10	10	2500	0	2
Cranwell	1010.3	-12	SE'S	3	c	49	95	6	5	-	-	10	10	1500	1	•
Birmingham	1008.6	-16	SSE	4	c	50	85	7	-	7	-	0	9+	-	1	•
Upper Heyford	1010.3	-18	S	4	c	49	95	6	5	-	-	10	10	1500	1	•
Leafield	1009.7	-16	SE	2	c	47	95	8	5	-	-	10	10	2500	1	•
Ross-on-Wye	1008.6	-14	S	3	c	50	85	6	5	-	-	10	10	2500	1	•
Portland Bill	1008.8	-22	SE'S	4	c	51	85	7	4	-	-	10	10	2500	1	4
Plymouth	1006.9	-26	SE	6	c/r	52	85	7	5	2	-	7-8	10	800	1	3
Falmouth	1004.7	-8	SE'S	6	r₀r₀	52	95	6	6	-	-	(10)	10	2500	1	4
Scilly (St. Mary's)	1004.9	-18	SW'N	4	df°	52	95	2	6	-	-	10	10	1500	1	3
Guernsey	1010.4	-20	S	6	rr	49	95	7	6	-	-	10	10	1500	1	4
Pembroke	1003.1	-20	S'E	4	id₀	52	95	6	3	6	-	4-6	9+	800	1	3
Holyhead	1004.6	-18	S'E	4	c	52	85	8	8	-	-	10	10	1500	1	2
Chester (Sealand)	1006.5	-18	SE'S	4	c	52	85	7	5	2	-	7-8	10	1500	1	•
L'pool (Bidston)	1005.6	-16	SE	4	c	51	95	7	5	-	-	10	10	1500	0	•
Harrogate	1008.3	-10	S	2	ir₀	51	95	5	6	-	-	10	10	2500	1	•
Spurn Head	1010.8	-4	S	4	c°	44	95	5	5	2	-	4.6	9+	1500	0	3
Catterick	1006.8	-16	SSE	3	f	50	95	3	5	-	-	10	10	800	1	•
Tynemouth	1007.0	-16	S	2	o	50	95	6	6	-	-	10	10	1500	0	2
Inchkeith	1005.7	-8	SE	2	c	48	85	8	5	2	-	2-3	10	2500	0	1
Leuchars	1005.9	-10	E	1	o	46	85	7	-	7	-	0	10	-	2	•
Renfrew	1004.5	-22	SE'E	2	ir₀	48	85	6	6	2	-	9	10	1500	1	•
Eskdalemuir	1005.0	-18	S'E	2	r₀r₀	47	95	6	6	2	-	7-8	10	800	1	•
Tiree	1000.0	-20	SSE	4	c/p	48	95	6	5	2	-	7-8	10	1500	1	3
Stornoway	1000.2	+8	S	5	r/r	48	95	7	8	2	-	4-6	10	1500	2	3
Dalwhinnie	1005.1	-6	SSW	4	c	42	75	6	4	6	-	2-3	10	2500	0	•
Aberdeen	1006.4	-2	SSE	3	c	48	95	6	-	7	-	0	9+	-	1	1
Wick	1003.0	+4	SSW	4	c	49	85	8	5	7	1	4.6	7-8	4000	1	3
Lerwick	1003.8	+12	S	1	bc	47	85	7	5	-	8	2-3	4.6	1500	0	•
Blacksod Point	996.0	-20	SE	3	ir	48	95	7	-	7	-	0	9+	-	1	3
Malin Head	998.8	-26	SE	2	ir₀	47	95	5	6	2	-	2-3	10	1500	1	2
Aldergrove	1000.0	-38	NE'E	2	r₀r₀	47	95	6	6	-	-	10	10	800	1	•
Donaghadee	1001.0	-22	SW	2	rr	50	95	7	6	-	-	10	10	800	1	1
Birr Castle	996.9	-14	S	1	rr	48	95	6	6	-	-	10	10	1500	1	•
Valentia Obsy.	997.6	-14	S'E	4	c	48	95	8	5	2	-	7-8	7-8	1500	1	4
Roches Point	1000.4	+2	SW	4	rr	52	95	7	6	-	-	10	10	1500	1	6

PAST 24 HOURS.

Stations	Weather 7h.–13h. 25th (37)	Weather 13h.–18h. 25th (38)	Weather 18h. 25th to 1h. 26th (39)	Weather 1h.–7h. 26th (40)
London (Kew)	cwcz₀	cm₀w	cm₀	r₀cm₀
Croydon	cd₀om₀	cd₀r₀	cm₀r₀	cm₀r₀d₀
S. Farnborough	cm₀r₀	c,m₀	cm₀cir₀	coddf
Winchester	c	c	cr₀r₀	cr₀r₀od₀m₀
Boscombe Down	cm₀c	c	coror₀	orodm₀
Calshot, S'thmtn	c	c	cd₀d₀	cid₀
Dungeness	bc	bc	•	bc
Lympne	bcc	cm₀	cm₀	cr₀om₀
Shoeburyness	bccmc	c	c	coir₀
Felixstowe	bcc°	c	c	cd₀
Gorleston	bcc	c	cq	or₀
Cranwell	cm₀c	cm₀	cm₀	prom
Birmingham	eid₀	or₀c	corr	or₀o
Upper Heyford	bcc	c	corr	or₀rdd
Leafield	c	c	corr	orir
Ross-on-Wye	coid₀	cod₀c	ccorc	c
Portland Bill	c	c	rr,rrr,s	or₀c
Plymouth	omcir₀	comrnr	crr	cr₀r₀
Falmouth	cq	om₀r₀q	omrqc	cir₀q
Scilly (St. Mary's)	c	ddm	crbcc	cp₀ir
Guernsey	cbcc	corr	oroc	cbc
Pembroke	irc	cid	c	cir₀
Holyhead	becr₀	rreq	cq, pr₀	pr₀pr
Chester (Sealand)	cir₀d₀om₀	id₀m₀	ccir₀m₀	cod₀d₀m₀
L'pool (Bidston)	femr₀	mr₀c	ccbc	bcc
Harrogate	cir₀om	coir₀	co	com
Spurn Head	bc°c	cfm	bc	cro
Catterick	cm₀	cr₀or₀r₀	ocm₀	coid₀m
Tynemouth	bcm₀	bcm	oir₀	o
Inchkeith	bcc	c	crrc	c
Leuchars	bccm₀	bccm₀o	orror₀	cr₀r₀c
Renfrew	bcc	cm₀°	rrcr₀r₀	r₀r₀ir₀
Eskdalemuir	bcpr₀c	cpr₀Rrr	crc	oid₀
Tiree	pr₀iR	ciro	oRR	c
Stornoway	ciR	cir	cir₀	cirbc
Dalwhinnie	bc	bc		rr
Aberdeen	bcbcz₀	bc	corrc	ccir₀
Wick	bc	bcc	c,crr	crrc
Lerwick	oir₀,bc	bc	bccm₀	cir₀
Blacksod Point	c°	ir	prc	rr
Malin Head	bbcc	c	cr₀r₀cr₀bc	bbccpr₀
Aldergrove	b,c	rrm₀	rrbc	prcc
Donaghadee	b°cc	corr	orr	cir₀
Birr Castle	cor	orr	orbc	bccir
Valentia Obsy.	cp₀p₀crr	crrc	c	irpr
Roches Point	corr	orr	orcbc	bccir

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s₀, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s₀/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
R, heavy rain. 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.

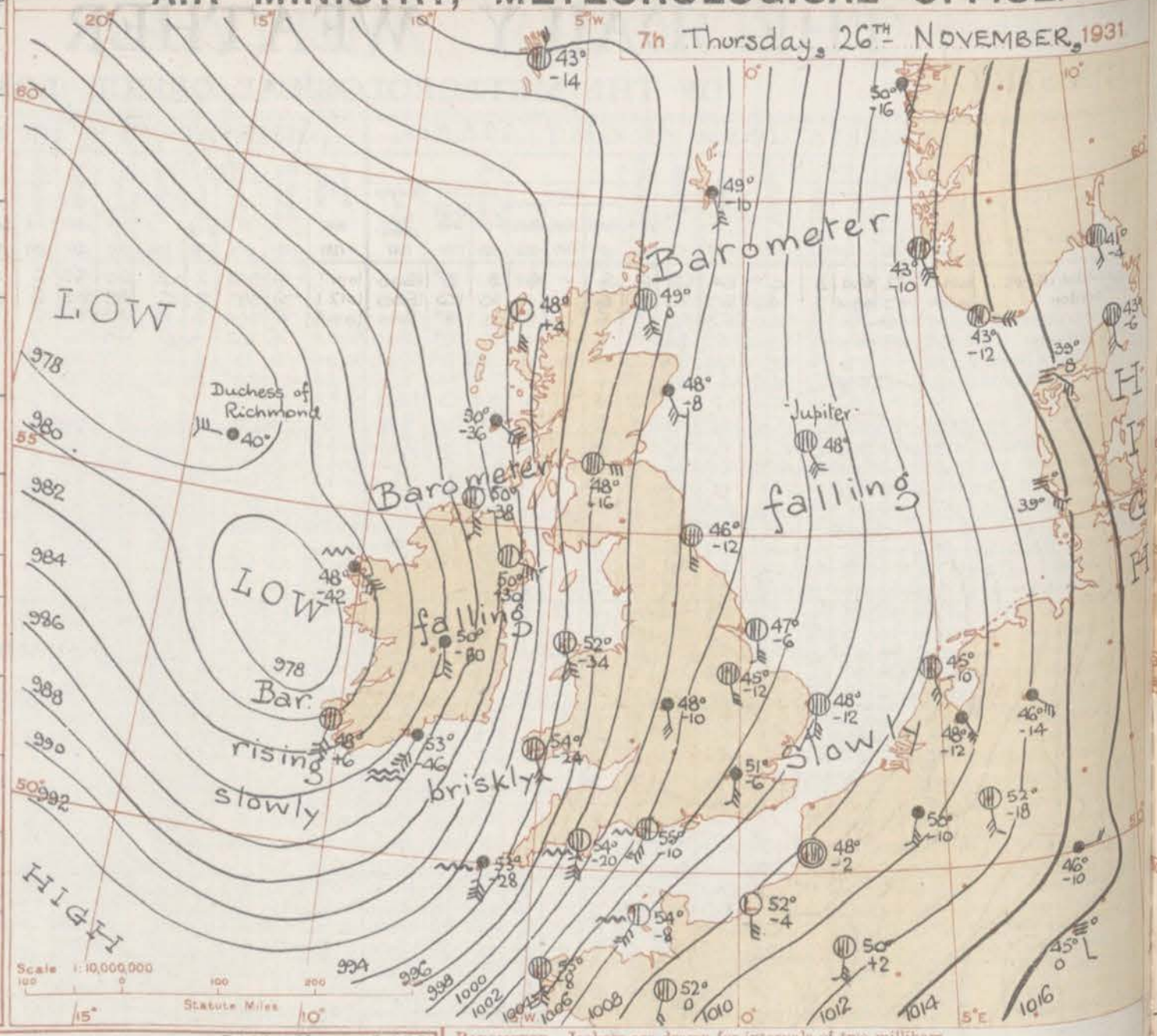
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 25th NOVEMBER 1931.

Districts	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 24th to 9h. 25th	Temperature. Max. 9h. 24th—17h. 25th	Rainfall. Night 17h. 24th to 9h. 25th	Rainfall. Day. 9h. 24th—17h. 25th	Sunshine. Sunrise to Sunset 25th
1	Tunbridge W.	od	o	35	51	-	Trace	0.1
	Bournemouth	o	o	42	54	0.3	-	0.0
	Ventnor ...	pobo	ow	46	55	Trace	-	0.3
	Southsea ...	c	co	43	54	-	-	0.2
	Bognor Regis	o	o	45	52	Trace	-	0.0
	Littlehampton	c	c	39	52	Trace	-	0.0
	Worthing ...	co	oc	40	53	Trace	-	0.0
	Brighton ...	ocbc	oc	42	52	-	-	0.1
	Eastbourne†	o	o	41	52	-	-	0.0
	Hastings† ...	c	co	41	52	0.1	-	0.0
	Folkestone ...	wco	o	41	52	-	-	0.0
	Dover... ...	c	co	41	52	-	-	0.0
	Deal	bcb	bcc	40	51	-	-	2.6
	Ramsgate ...	bc	bc	43	53	-	-	3.7
	Margate ...	bc	bc	42	53	-	-	3.2
2	Southend ...	bco	o	42	52	Trace	-	1.1
	Maldon ...	mco	o	34	52	-	-	0.0
	Clacton-on-Sea	bc	bcc	43	51	-	-	2.3
	Dovercourt ...	bc	bcoc	40	52	-	-	1.1
	Lowestoft ...	c	c	39	51	-	-	0.2
	Skegness ...	om	oco	42	53	-	-	0.3
	Mablethorpe	oc	co	40	53	-	-	0.0
	Cleethorpes ...	cwc	c	39	53	Trace	-	0.2
3	Leamington S.	o	o	44	54	-	-	0.0
4	Cheltenham†	om	om	45	53	-	-	0.0
5	Bath	dc	c	41	64	Trace	Trace	0.0
	Weymouth ...	c	c	47	55	0.2	-	0.0
	Jersey ...	bcc	cr	~~50~~ 49	~~[illegible]~~ 50	-	0.1	~~0.7~~ 1.2
	Torquay ...	cdrip	oco	43	55	1	-	0.0
	Penzance ...	c	codr	53	54	-	0.3	0.0
	St. Ives ...	o	d	46	54	Trace	0.6	0.0
	Bude	c	o	49	54	-	-	0.0
	Ilfracombe ...	o	o	49	56	2	-	0.0
6	Aberystwyth	cir	circ	48	54	4	1	0.0
7	Llandudno ...	cod	roc	46	54	-	2	0.2
	Colwyn Bay...	bccor	rrco	47	54	0.3	2	0.1
	Rhyl	bccod	oddc	44	64	1	1	0.2
8	Wallasey ...	cor	ro	46	53	3	2	0.0
	Southport‖ ...	bcor	rro	47	52	2	2	0.0
	Blackpool ...	cor	or	46	61	3	3	0.0
	Morecambe ...	rcbbc	crddo	46	52	1	2	0.3
9	Ilkley	c	cod	40	53	0.5	1	0.0
10	Berwick-on-T.	cbco	rco	42	51	1	Trace	0.9
11	Dunbar ...	bcw	bc	42	53	-	-	2.6
12	Douglas ...	cbco	oRRm	47	53	6	7	0.7

† 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. 26th Novr. 1931
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Fresh or strong southerly wind, veering later; occasional slight rain today, heavier rain evening or night; bright intervals and local showers tomorrow; very mild today, colder tomorrow.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Strong to gale southerly wind, veering west, fresh or strong and squally; rain at first, showers and bright intervals later, with local hail and thunder; mild, then colder.
9. N. Midlands 10. N.E. England 11. S.E. Scotland	As 1 - 4.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland	Strong to gale south or southeast wind, veering west, moderating slightly, backing again tomorrow; rain followed by showers, with local hail and sleet, snow on hills; perhaps local thunder; some bright intervals; mild, then colder.
15. N.E. Scotland 16. Orkneys and Shetlands.	Strong to gale southeast wind, veering southwest or west; rain at times; bright intervals and showers tomorrow, with sleet locally; mild, then colder.
17. N.W. Ireland 18. N.E. Ireland	As 5 - 8.
19. S.E. Ireland 20. S.W. Ireland	Strong squally westerly winds; showery with local hail and thunder; bright intervals; colder.

GENERAL INFERENCE.

An intense depression off West Ireland is moving northeast and will turn north later, while another centre south of Iceland is moving slowly south. Weather will be generally unsettled with strong winds at exposed places, reaching gale force locally in the West and North. Colder westerly winds will spread across the country, with bright intervals and showers.

FURTHER OUTLOOK.

Unsettled but some bright intervals, especially in eastern districts.

Times of issue of Gale Warnings.

South cone at 0820 on 25th in districts 13, 17 and 20.

South cone at 0815 on 26th in districts 1, 5 to 8, 11, 12, 15, 16, 18 and 19.

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

Forecasts issued at 0945 G.M.T.

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

⊙ = Calm.

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 26th November 1931.

No. 25571

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

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	1007.0	-18	SE	4	0	47	85	6	5	-	-	10	10	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1007.3	-14	SE	4	d$_0$d$_0$	51	95	6	5	2	-	7-8	10	800
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1008.5	-14	SSW	3	0	48	95	6	5	-	-	10	10	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1008.3	-20	SSW	5	c	48	95	6	5	-	-	10	10	2500
	Cranwell	240	1005.8	-18	SE'S	4	c	44	95	5	5	7	-	2-3	10	800
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	* 1006.2
5	Portland Bill	32	1004.1	+8	S	5	r$_0$r$_0$	52	95	6	5	-	-	10	10	1500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1002.4	-12	SSW	4	c	53	95	7	5	3	-	4-6	9	4000
	Scilly (St. Mary's)	163	1000.4	-16	S'W	6	c|p	52	95	7	9	-	-	9+	9+	2500
	Guernsey	175	1006.2	-10	S	4	c	51	95	7	8	2	-	7-8	10	2500
6	Pembroke	142	999.3	-10	S	4	c	52	95	7	4	7	-	4-6	9	1500
7	Holyhead	26	1000.4	-20	S'E	5	c	51	95	7	5	-	-	10	10	800
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1005.6	-10	S	5	c	47	95	6	-	2	-	0	9+	-
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	67	1003.0	-20	S	3	0	49	95	7	6	-	-	10	10	1500
11	Inchkeith	190	1000.8	-18	SSE	3	c	50	85	8	5	2	-	4-6	10	2500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	998.2	-28	SSE	3	r	46	95	7	5	-	-	10	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	998.8	-36	S	5	rr	48	95	7	9	-	-	10	10	1500
16	Lerwick	54	1003.8	-4	S	2	c	49	95	6	5	1	-	4-6	10	800
17	Blacksod Point	18	990.2	-24	SE	4	bc	47	85	7	8	4	-	2-3	4-6	1500
18	Malin Head	52	993.7	+2	S	1	b	44	95	8	2	-	-	1	1	2500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	989.4	-50	S	6	pr	51	95	8	8	-	-	9+	9+	2500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1004.5	-10	S	3	c	51	95	6	5	1	-	7-8	10	1500	1	*
	Croydon	1004.9	-6	SSW	4	id$_0$	51	95	6	6	-	-	9+	9+	450	1	*
	S. Farnborough	1003.7	-8	S'W	3	df	51	95	3	6	-	-	10	10	800	1	*
	Winchester	1002.9	-16	S	4	id$_0$	51	95	6	6	-	-	10	10	450	1	*
	Boscombe Down	1002.7	-14	SSW	4	c	51	95	6	5	-	-	10	10	1500	1	*
	Calshot (S'thmtn)	1004.9	-12	S	4	id$_0$	52	95	6	5	-	-	9	9	800	1	2
	Dungeness	*	*	S	4	c	*	*	6	5	2	*	7-8	9+	2500	*	2
	Lympne	1007.0	-10	SSW	3	0	50	95	6	5	-	-	10	10	800	1	*
2	Shoeburyness	1005.2	-24	S'W	4	0	50	95	7	5	-	-	10	10	800	1	*
	Felixstowe	1006.0	-10	S'E	4	o|d$_0$	49	95	6	5	-	-	10	10	1500	1	2
	Gorleston	1005.9	-12	SSW	4	o|r$_0$	48	95	6	6	-	-	10	10	1500	1	3
	Cranwell	1002.9	-12	SSE	3	0	45	95	4	5	-	-	10	10	450	1	*
3	Birmingham	1001.3	-10	SSE	3	id$_0$	48	95	5	6	-	-	10	10	800	1	*
	Upper Heyford	1002.4	-14	S	4	dd	49	95	5	6	-	-	10	10	450	1	*
	Leafield	1001.7	-16	SSE	4	rf	49	95	1	5	-	-	10	10	<150	1	*
4	Ross-on-Wye	1002.2	-14	S	3	c	53	95	7	5	-	1	9	9+	2500	1	*
5	Portland Bill	1001.8	-10	SW'S	5	c	55	85	7	5	2	-	4-6	7-8	1500	1	4
	Plymouth	999.6	-20	S	8	c	54	85	7	6	3	-	7-8	9+	450	1	4
	Falmouth	996.6	-12	SSW	8	q	54	75	7	8	-	-	9	9	4000	1	5
	Scilly (St. Mary's)	993.6	-28	S'W	7	ir	53	95	6	6	-	-	9+	9+	2500	1	4
	Guernsey	1005.1	-8	SW	5	bc	54	95	7	8	4	-	4-6	4-6	2500	1	4
6	Pembroke	993.7	-24	SSE	4	c	54	95	7	3	6	-	4-6	9+	1500	1	3
7	Holyhead	994.5	-34	S'E	5	c	52	95	8	5	2	3	7-8	9+	800	1	2
	Chester (Sealand)	997.8	-22	SE'S	4	d$_0$d$_0$	50	95	6	6	-	-	10	10	800	1	*
8	L'pool (Bidston)	997.5	-16	SE	5	c	49	95	8	5	-	-	10	10	2500	0	*
9	Harrogate	1000.5	-10	S	3	0	46	95	4	5	-	-	10	10	<150	1	*
10	Spurn Head	1002.0	-6	S	4	0	47	95	6	5	-	-	10	10	1500	1	3
	Catterick	999.9	-8	SE	3	of	45	95	3	5	-	-	10	10	450	1	*
	Tynemouth	999.3	-12	S	3	0	46	95	6	6	-	-	10	10	1500	0	2
11	Inchkeith	997.4	-16	S	3	c	48	85	7	5	7	-	4-6	9	2500	1	2
	Leuchars	997.8	-12	E	2	c	47	85	7	5	7	-	7-8	9+	2500	2	*
12	Renfrew	996.0	-16	E	3	o|r$_0$	48	95	6	5	-	-	10	10	~~800~~ 1500	1	*
	Eskdalemuir	997.0	-18	SSE	4	id$_0$	45	95	6	5	-	-	10	10	450	1	*
13A	Tiree	988.9	-36	SE'E	6	ir	50	95	6	6	7	-	9	10	1500	1	3
13B	Stornoway	991.0	+4	S	3	b	48	95	8	5	-	-	1	1	2500	1	3
15	Dalwhinnie	995.7	-10	S	5	c	44	85	6	3	6	-	4-6	10	800	1	*
	Aberdeen	998.2	-8	SSE	4	ir$_0$	48	85	6	6	2	-	7-8	10	1500	1	2
	Wick	995.3	0	SSE	6	c	49	95	7	9	1	8	4-6	7-8	1500	1	3
16	Lerwick	999.1	-10	SSE	4	ir$_0$	49	95	6	6	2	-	7-8	10	800	1	*
17	Blacksod Point	979.6	-42	SE	7	RR	48	95	7	6	-	-	10	10	<150	2	5
18	Malin Head	986.0	-38	S	4	c|pr	50	95	8	9	3	-	7-8	9+	1500	1	2
	Aldergrove	989.6	-30	ESE	4	c	50	85	7	5	7	-	7-8	9	1500	1	*
	Donaghadee	991.3	-24	SW	3	ir$_0$	52	95	7	6	-	-	9	9	800	1	2
19	Birr Castle	982.2	-60	S	4	ir	50	95	7	6	2	-	7-8	10	1500	1	*
20	Valentia Obsy.†	981.2	+6	SSW	6	c|pr	48	85	8	8	-	-	7-8	7-8	2500	1	*
	Roches Point	986.0	-46	SW	6	ir	53	85	7	6	-	-	7-8	7-8	1500	1	6

PAST 24 HOURS.

District	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 25th Hrs. (36)
1	London (Kew)	54	48	46	-	0.1	0.1
	Croydon	53	47	44	Tr.	0.1	0.0
	S. Farnborough	53	47	45	Tr	0.1	0.0
	Winchester	53	46	45	-	2	*
	Boscombe Down	53	45	45	-	5	0.0
	Calshot (S'thmtn)	53	49	47	-	2	*
	Dungeness	52	48	*	-	Tr	0.1
	Lympne	52	46	45	-	0.6	1.6
2	Shoeburyness	54	45	44	-	1	1.7
	Felixstowe	52	46	44	-	Tr	0.4
	Gorleston	52	47	45	-	0.4	0.0
	Cranwell	53	43	42	-	0.5	0.0
3	Birmingham	52	44	44	0.3	1	*
	Upper Heyford	53	45	44	-	3	0.0
	Leafield	52	44	43	-	1	0.0
4	Ross-on-Wye	53	47	46	0.1	2	*
5	Portland Bill	55	50	*	-	5	0.0
	Plymouth	54	51	49	0.1	1	0.0
	Falmouth	54	52	*	0.1	1	0.0
	Scilly (St. Mary's)	53	50	*	3	1	0.3
	Guernsey	53	48	47	1	3	0.0
6	Pembroke	54	50	*	1	1	0.0
7	Holyhead	53	50	47	4	0.1	0.0
	Chester (Sealand)	53	48	45	0.1	-	0.0
8	L'pool (Bidston)	52	46	44	1	-	0.1
9	Harrogate	52	45	44	1	0.2	*
10	Spurn Head	50	43	*	-	Tr	*
	Catterick	52	45	44	1	0.6	*
	Tynemouth	53	46	43	-	2	0.0
11	Inchkeith	51	47	45	-	3	1.8
	Leuchars	51	45	41	-	9	0.4
12	Renfrew	51	46	45	Tr.	2	0.1
	Eskdalemuir	50	43	43	2	2	0.0
13A	Tiree	49	45	41	6	9	1.0
13B	Stornoway	50	44	*	4	5	3.3
15	Dalwhinnie	45	40	39	-	13	2.5
	Aberdeen	50	48	46	-	4	*
	Wick	49	47	*	-	8	4.0
16	Lerwick	50	46	*	Tr.	7	*
17	Blacksod Point	52	45	*	1	5	1.5
18	Malin Head	49	42	*	0.3	5	0.2
	Aldergrove	48	47	43	4	8	*
	Donaghadee	51	49	*	5	1	0.3
19	Birr Castle	50	41	31	9	8	0.0
20	Valentia Obsy.†	53	47	45	4	6	*
	Roches Point	53	47	*	18		

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon (24 hrs. ended 9h.)	Weather Night (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity 15h. G.M.T. % (Yesterday.)	Humidity 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
KEW	18	cwc3$_0$	cm$_0$w	cr$_0$cm$_0$	54	48	46	-	0.1	0.1	*	*	6
CROYDON	217	cd$_0$o m$_0$	cd$_0$r$_0$	ca$_0$f$_0$r$_0$d$_0$	53	47	44	Tr	0.1	0.0	*	*	6
GREENWICH (Royal Observatory)	149	c⊕	c	cord$_0$d$_0$	53	46	42	-	0.5	0.0	84	98	6
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
WESTMINSTER (St. James' Park)	27	*	*	*	55	49	45	0.3		0.0	78	90	*
REGENTS PK. (Botanic Gardens)	168	*	*	*	*	*	*	*	*		*	*	*
CAMDEN SQUARE	110	c	c	*	53	48	45	-	0.3	*	*	93	*
KENSINGTON	80	coco	coo	*	54	48	46	-	0.2	0.0	At 18h. 87	97	*
HAMPSTEAD OBSERVATORY	450	o	or	*	52	44	41	Tr	0.3	0.0	*	92	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

SOUTH KENSINGTON. Max.	Time.	Min.	Time.
1.0	9hrs 25th	0.0	00-5h 26th

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0.4	17hrs 25th	<0.1	1 hr 26th

FOREIGN OBSERVATIONS.

18h. G.M.T. 25th Nov.

Stations	Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.
PARIS	1014.5	ESE	2	3	46
BRUSSELS	1015.5	E	3	c	46
BERLIN	1022.7	S'E	3	m	41
ZÜRICH					
ROME					

7h. G.M.T. 26th Nov.

Stations	Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.
PARIS	1010.6	SSW	3	c|d	52
BRUSSELS	1009.0	SSW	4	d$_0$d$_0$	50
BERLIN	1021.2	SE	3	3	34
ZÜRICH	1020.0	SSE	1	f	45
ROME	1022.6	SSE	1	0	48

Past 24 Hours.

Stations	Max. Day °F.	Min. Night °F.	Rainfall Day. mm.	Rainfall Night. mm.
PARIS	50	46	-	3
BRUSSELS	52	45	-	2
BERLIN	43	32	-	-
ZÜRICH		?		1
ROME		46		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	64-76
3	8-12	7	32-38	12	75
		8	39-46		

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

FRIDAY, 27th November 1931.

No. 25572

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0-10 (12)	Cloud. Amount. Total 0-10 (13)	Cloud. Height of Base. (feet) (14)
1	London (Kew)	1001·0	-22	S'W	4	c	55	85	7	8	-	-	9+	9+	2500
	Croydon	1001·9	-26	SSW	4	c	55	85	7	8	-	-	9+	9+	1500
	S. Farnborough	999·9	-34	S'W	4	c	55	85	7	5	3	-	9+	9+	800
	Winchester	998·4 ~~999·8~~	-38	S	5	c	54	95	8	5	2	-	9+	10	800
	Boscombe Down	997·8	-42	S	5	c	54	95	7	5	-	-	10	10	450
	Calshot, S'thmtn	1000·7	-32	SSE	6	c	55	85	7	5	7	-	2-3	9	1500
	Dungeness	*	*	S'W	4	c	*	*	7	5	3	*	4-6	7-8	1500
	Lympne	1004·7	-18	SSW	5	c	54	85	7	5	3	-	7-8	9+	2500
2	Shoeburyness	1003·1	-20	SSW	4	c	55	85	8	5	3	-	7-8	7-8	800
	Felixstowe	1003·9	-16	S'W	4	bc	52	95	8	7	-	4	4-6	4-6	2500
	Gorleston	1003·1	-10	SSW	4	c	51	95	6	9	-	-	9+	9+	1500
	Cranwell	998·4	-28	SSE	4	c	52	95	6	5	5	9	1	9	~~500~~ 800
3	Birmingham	996·6	-30	SSE	4	cjp	53	85	8	6	-	-	9+	9+	800
	Upper Heyford	997·7	-38	S	5	c	54	85	7	5	3	8	7-8	9	800
	Leafield	997·0	-30	S'E	6	c	52	85	8	5	2	-	7-8	10	2500
4	Ross-on-Wye	994·2	-46	S	4	id$_o$	55	85	7	9	-	8	9	9+	2500
5	Portland Bill	996·6	-34	S	6	r$_o$r$_o$	55	95	6	5	2	-	7-8	10	1500
	Plymouth	994·6	-30	W	2	rr	48	95	6	6	-	-	10	10	450
	Falmouth	994·1	-4	W'S	5	RR	45	95	6	6	-	-	10	10	2500
	Scilly (St. Mary's)	993·1	-14	SWW	6	c/r	49	75	7	3	2	-	4-6	9+	2500
	Guernsey	999·4	-38	S	6	o	56	95	7	5	-	-	10	10	1500
6	Pembroke	990·5	-4	SSW	5	c/r	50	95	8	3	-	-	10	10	1500
7	Holyhead	990·7	-14	SW'S	5	ir	51	85	6	6	2	-	7-8	9+	1500
	Chester (Sealand)	992·7	-30	SE'E	5	id$_o$	54	75	7	6	-	-	10	10	1500
8	L'pool (Bidston)	992·3	-22	SE'E	4	c	53	85	7	6	2	-	7-8	10	2500
9	Harrogate	996·4	-26	S'E	3	c	51	95	5	6	8	9	9	9+	2500
10	Spurn Head	998·4	-8	S'E	5	c	49	95	6	3	3	-	7-8	9+	1500
	Catterick	995·1	-34	SSE	4	o	50	95	5	5	-	-	10	10	450
	Tynemouth	996·1	-20	SSE	2	o	49	95	7	6	-	-	10	10	1500
11	Inchkeith	993·1	-24	ESE	3	c	50	85	7	5	8	-	4-6	9	4000
	Leuchars	995·9	-18	SE	E	c	49	85	6	5	7	2	4-6	9	1500
12	Renfrew	990·2	-34	SE'S	5	c	58	75	6	6	2	-	10	10	1500
	Eskdalemuir	991·6	-26	SSE	5	c	50	85	6	5	7	-	2-3	9+	1500
13A	Tiree	982·4	-32	SE'S	7	RR	46	95	6	6	-	-	10	10	800
13B	Stornoway	986·3	-32	ESE	5	c	51	95	8	4	2	-	7-8	9+	2500
15	Dalwhinnie	991·3	-22	S	5	c	45	95	7	4	7	-	4-6	10	800
	Aberdeen	995·2	-14	SSE	3	o	49	95	6	5	-	-	10	10	1500
	Wick	993·2	-18	SSE	6	c	48	95	7	6	2	-	7-8	10	1500
16	Lerwick	999·5	-8	SSE	5	ir	49	95	6	5	2	-	4-6	10	800
17	Blacksod Point	983·2	+44	W	6	q	47	75	8	8	-	-	7-8	7-8	450
18	Malin Head	980·3	-20	SSE	6	c	50	85	8	9	-	-	7-8	7-8	1500
	Aldergrove	985·6	-2	SSE	4	c	49	75	8	8	7	-	4-6	7-8	1500
	Donaghadee	986·1	-20	SW	5	ir	48	85	7	6	-	-	9	9	800
19	Birr Castle	987·3	+22	[illegible]	3	bc	47	85	8	3	4	8	4-6	4-6	2500
20	Valentia Obsy.	989·8	+34	SW'W	4	c/ph	47	75	8	6	2	-	7-8	10	2500
	Roches Point	988·9	+18	NW	5	c	47	85	8	6	-	-	7-8	7-8	2500

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

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Cloud. Form. Med. (24)	Cloud. Form. High (25)	Cloud. Amount. Low 0-10 (26)	Cloud. Amount. Total 0-10 (27)	Cloud. Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	994·9	-38	S	5	c/r	57	85	7	5	-	-	10	10	1500	1	*
	Croydon	996·1	-38	S	7	r$_o$r$_o$	55	85	6	6	2	-	9	10	800	1	*
	S. Farnborough	995·7	-40	S	6	ir	55	95	7	6	-	-	10	10	800	1	*
	Winchester	995·4	-22	S'E	5	rr	51	95	7	6	-	-	10	10	800	1	*
	Boscombe Down	994·6	-10	SW	4	r$_o$r$_o$	45	95	7	6	-	-	10	10	800	1	*
	Calshot, S'thmtn	994·7	-38	SW'S	4	r$_o$r$_o$	50	95	6	6	-	-	10	10	800	1	4
	Dungeness	*	*	S'W	7	c	*	*	7	5	7	*	7-8	9	1500	*	4
	Lympne	1000·5	-22	S	5	c/r	54	85	7	5	7	-	4-6	9	1500	1	*
2	Shoeburyness	998·2	-36	SSE	6	c/pr	55	95	7	6	-	-	7-8	7-8	1500	1	*
	Felixstowe	1000·0	-24	S'E	5	r$_o$r$_o$	52	95	7	5	2	-	7-8	10	1500	1	3
	Gorleston	999·8	-20	SSW	6	o	51	95	7	6	-	-	10	10	1500	1	4
	Cranwell	993·7	-28	SSE	4	ir	52	95	6	6	2	-	7-8	10	800	1	*
3	Birmingham	992·7	-16	WNW	3	rr	46	95	6	6	-	-	10	10	800	1	*
	Upper Heyford	992·5	-26	S'E	5	rr	52	95	6	6	-	-	10	10	800	1	*
	Leafield	992·4	-14	WSW	4	ir	47	95	7	6	-	-	10	10	450	1	*
4	Ross-on-Wye	995·5	0	WSW	2	r$_o$r$_o$	43	95	7	6	-	-	10	10	2500	1	*
5	Portland Bill	994·8	+22	W	6	RR	48	85	7	6	2	-	7-8	10	1500	1	5
	Plymouth	995·0	0	W'S	5	ir	47	75	7	9	7	-	7-8	9	800	1	4
	Falmouth	994·9	-8	WSW	4	PR	45	85	7	8	-	-	7-8	7-8	4000	2	3
	Scilly (St. Mary's)	996·1	+20	W	6	c/pr	46	85	7	9	-	-	9	9	2500	1	4
	Guernsey	998·5	+24	W	4	RR	47	95	6	6	-	-	10	10	1500	2	4
6	Pembroke	989·5	-6	W	5	PR	47	85	7	3	-	-	10	10	1500	1	3
7	Holyhead	991·1	0	S'W	2	IR	45	95	6	6	-	-	10	10	800	1	2
	Chester (Sealand)	992·1	-2	S	1	rr	46	95	6	3	-	-	10	10	1500	1	*
8	L'pool (Bidston)	991·5	0	SW	2	rr	45	95	7	6	-	-	10	10	2500	2	*
9	Harrogate	991·5	-30	SSE	3	id$_o$	51	95	5	6	-	-	10	10	2500	1	*
10	Spurn Head	994·0	-10	SE'S	6	c	50	95	6	5	2	-	7-8	9+	4000	0	4
	Catterick	990·5	-30	SSE	5	o	51	85	6	6	-	-	10	10	800	1	*
	Tynemouth	992·2	-22	SE	4	o	50	95	7	6	-	-	10	10	1500	0	2
11	Inchkeith	993·1	-10	SW	4	rr	47	95	7	8	-	-	10	10	2500	1	2
	Leuchars	990·8	-14	SE	5	id$_o$	50	95	5	6	-	-	10	10	450	1	*
12	Renfrew	990·6	+10	SSE	3	ir$_o$	46	95	7	5	2	-	7-8	10	1500	1	*
	Eskdalemuir	991·3	+2	WSW	2	rr	43	95	6	5	-	-	10	10	800	1	*
13A	Tiree	985·5	+34	SW'S	4	bc	47	75	7	8	1	8	2-3	4-6	1500	0	4
13B	Stornoway	984·6	+12	S	6	c	51	85	7	9	2	-	7-8	9+	1500	1	3
15	Dalwhinnie	990·1	0	S	4	iR	42	95	5	4	4	-	4-6	10	800	1	*
	Aberdeen	992·0	-14	SE'S	5	o	50	95	6	5	-	-	10	10	800	1	2
	Wick	990·3	-18	S	8	o	49	95	7	6	-	-	10	10	500	1	5
16	Lerwick	997·9	+4	SSE	6	c	49	85	6	5	-	-	9+	9+	800	0	*
17	Blacksod Point	988·2	+24	W	6	3	46	75	7	9	-	-	9	9	220	1	5
18	Malin Head	987·1	+32	S	3	c	45	95	7	5	7	-	2-3	9+	2500	1	3
	Aldergrove	988·6	+18	S	3	c	42	85	8	5	1	7	1	9	1500	2	*
	Donaghadee	989·3	+16	WSW	1	c	44	85	7	5	-	-	7-8	7-8	1500	1	0
19	Birr Castle	991·1	+24	S	1	c	42	95	8	8	-	-	9	9	2500	1	*
20	Valentia Obsy.	995·0	+26	W'S	5	bc	47	75	8	8	-	-	4-6	4-6	1500	1	4
	Roches Point	994·3	+24	NW	4	bc	45	85	8	3	-	-	4-6	4-6	1500	1	5

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. 26th (37)	Weather. 13h.–18h. 26th (38)	Weather. 18h.–1h. 26th–27th (39)	Weather. 1h.–7h. 27th (40)
1	London (Kew)	cm$_o$c	ccrc	crkq c r$_o$	cr$_o$bc
	Croydon	odd$_o$m	cr$_o$rq$_m$	cm$_o$rr	cbc
	S. Farnborough	ofdc	corr$_o$	orq Rb	bbcb
	Winchester	oid$_o$m$_o$c	corr	orrbcr$_o$	cr$_o$c
	Boscombe Down	cir$_o$	corr	orrbc	bccpr$_o$
	Calshot, S'thmtn	cid$_o$c	orrm$_o$	crrRpq	cprbc
	Dungeness	o	o	*	p
	Lympne	odfc	crcq	cRr	cbc
2	Shoeburyness	oc	opr$_o$	ciRq	bc
	Felixstowe	cd$_o$m$_o$bc	bccr$_o$r$_o$	cr$_o$crr	bc
	Gorleston	oc	cq	orq	oc
	Cranwell	d$_o$fm$_o$	cm$_o$r$_o$	RRcpr	ir$_o$bm$_o$
3	Birmingham	c	coRr	orcor	orbc
	Upper Heyford	odcr$_o$	r$_o$r	oRrrcp	bcbbc
	Leafield	cir$_o$c	cir	orrcp	cbcxc
4	Ross-on-Wye	c	oRqrr	r$_o$ccp	cbcc
5	Portland Bill	ccz$_o$	r$_o$RR	ciR	ciR
	Plymouth	orrR	orrm$_o$c	crpr$_o$	cpr$_o$r$_o$r$_o$
	Falmouth	om$_o$Rq	iRcPq	cPqbc	bccP
	Scilly (St. Mary's)	crrir	cpq	cqp	crqzp
	Guernsey	bccc	orR	oirbc	bccpr
6	Pembroke	oRR	opr	cqbc	cpr
7	Holyhead	cq$_o$r$_o$r$_o$Rq	rcm$_o$	ir$_o$c	c
	Chester (Sealand)	d$_o$com$_o$	iqR	oRRm$_o$	om$_o$bc
8	L'pool (Bidston)	bccg$_o$	oRrr	orr	obc
9	Harrogate	omoc	coid$_o$	cdrr	corrb
10	Spurn Head	ozc	bc	cPR	cr$_o$cbc
	Catterick	ofr$_o$d$_o$m	om$_o$d$_o$	orr$_o$r$_o$	rrc
	Tynemouth	oir$_o$	oq	orrq	obc
11	Inchkeith	c	crrRR	orr	corr
	Leuchars	ccm$_o$	coid$_o$m$_o$	crr$_o$r$_o$	cr$_o$r$_o$rcm$_o$
12	Renfrew	oir$_o$cc	r$_o$Rir$_o$	r$_o$r$_o$c	cbc
	Eskdalemuir	cir$_o$c	coRrr	orr	or$_o$cpr
13A	Tiree	cr$_o$oirg	RRc	cP$_o$q	c
13B	Stornoway	c	cPR	C	cpr$_o$
15	Dalwhinnie	ir	ir		r
	Aberdeen	coz$_o$	oz$_o$	orrm$_o$	orr
	Wick	c	cr	crr	crrc
16	Lerwick	cirm$_o$	cirm$_o$c	oidm$_o$	cova$_o$m$_o$
17	Blacksod Point	prcq	prcq	prhqc	prhqc
18	Malin Head	cRc	cbcc	cbc	bbccR
	Aldergrove	rrRR	bcirc	cbc	bcc
	Donaghadee	rrirq	circ	c	c
19	Birr Castle	cirbc	cprc	cbc	bcxcrc
20	Valentia Obsy.	Rccraph	cp$_o$cbc	pr	qpr
	Roches Point	circ	cp$_o$bc	bcbw⊕	bcpbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

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

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.

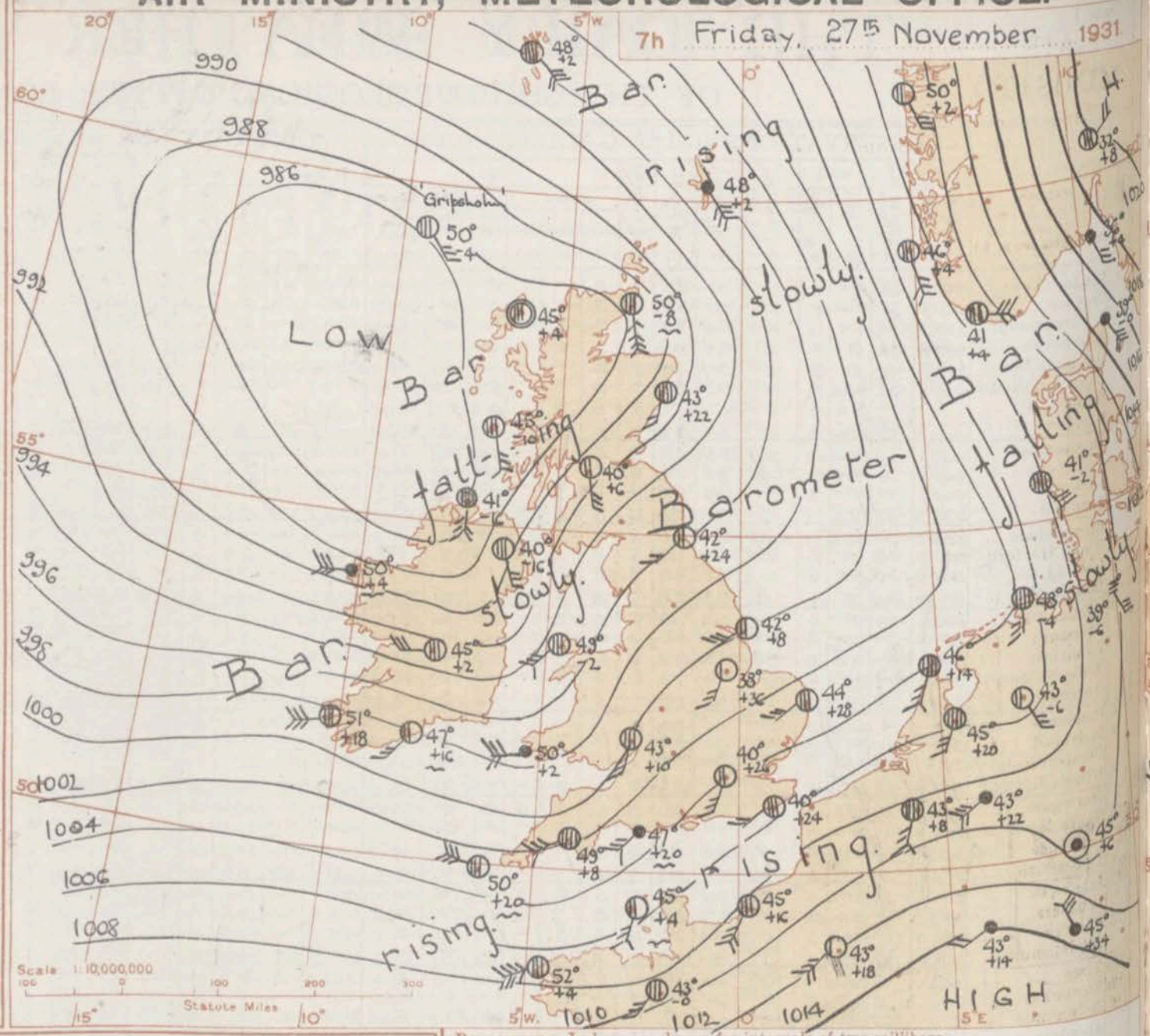
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 26th November 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 Sunset. 26th
1	Tunbridge W.	odo	od	47	55	0·3	1	0·1
	Bournemouth	co	or	47	55	4	1	0·2
	Ventnor ...	rbcou	oropu	49	56	1	1	0·8
	Southsea ...	orc	corc	50	56	1	1	0·3
	Bognor Regis	cbcc	cir	50	55	1	1	0·9
	Littlehampton	bcc	crc	50	56	1	1	1·7
	Worthing ...	co	or.	49	56	2	1	1·3
	Brighton ...	cbcbc	rc	49	55	1	1	1·0
	Eastbourne†	oco	oir.o	49	56	2	0·1	0·8
	Hastings† ...	cbco	ocopo	48	55	1	0·4	0·4
	Folkestone ...	ocbcc	cod.	47	56	Trace	Trace	1·4
	Dover... ...	odbc	bcdoc	48	56	Trace	Trace	1·0
	Deal	odoc	bcco	47	56	-	Trace	1·0
	Ramsgate ...	cbc	bcpoc	47	56	-	0·3	1·7
	Margate ...	cdbc	dc	47	56	0·2	Trace	1·2
2	Southend ...	ocbc	dcorq	46	55	1	0·3	1·7
	Maldon ...	ocbc	bcor	45	56	0·3	Trace	1·9
	Clacton-on-Sea	ogcbc	rccpc	47	53	0·1	0·2	1·9
	Dovercourt ...	bec	bcdoc	47	54	1	1	1·7
	Lowestoft ...	bcodo	idoco	46	53	0·6	Trace	0·1
	Skegness ...	oroc	co	45	50	Trace	-	1·0
	Mablethorpe	ocmo	oc	46	53	1	-	0·1
	Cleethorpes ...	oco	o	44	53	0·1	-	0·1
3	Leamington S.	oc	co	46	56	2	-	0·8
4	Cheltenham†	cqoip	ojpor	46	52	1	4	0·0
5	Bath	bcc	cR	48	57	2	6	0·5
	Weymouth ...	c	cdrr	49	57	4	3	0·3
	Jersey ...	rc	crq	47	56	2	9	0·3
	Torquay ...	rbcqR	ormr3	51	57	5	8	0·0
	Penzance ...	orr	orrc	51	56	9	10	0·0
	St. Ives ...	r	r	49	52	11	13	0·0
	Bude	r	r	44	60	3	12	0·0
	Ilfracombe ...	pR	r	51	56	0·3	18	0·0
6	Aberystwyth	crbc	crrd	60	54	0·3	13	0·2
7	Llandudno ...	cdo	ro	49	56	2	2	0·2
	Colwyn Bay...	bccor	rrror	49	57	0·3	4	0·8
	Rhyl	bcc	codd	48	55	Trace	2	0·1
8	Wallasey ...	cbcc	corr	47	54	Trace	11	0·2
	Southport‖ ...	co	orr	47	55	0·4	11	0·6
	Blackpool ...	co	or	47	54	0·2	4	0·1
	Morecambe ...	dcc	bcrr	48	55	0·5	3	0·4
9	Ilkley... ...	c	crdc	45	53	Trace	Trace	0·0
10	Berwick-on-T.	o	o	46	49	0·4	-	0·3
11	Dunbar ...	bcr.	om.	46	61	0·3	-	1·6
12	Douglas ...	cbco	RR mc	47	53	1	10	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. 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. 27th Nov. 1931.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Moderate or fresh south-west wind, backing somewhat later and probably becoming stronger at times locally; bright intervals and showers at first, cloudy later with rain at times; becoming milder again.
5. S.W. England 6. South Wales	Fresh or strong wind between south and west, probably a gale at times locally; cloudy, rain at times; mild.
7. North Wales	As 1 - 4.
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	Moderate or fresh wind between southwest and south, stronger at times locally; showers and bright intervals; rather mild.
16. Orkneys and Shetlands.	Southeast gale decreasing to strong wind; cloudy, occasional rain; rather mild.
17. N.W. Ireland 18. N.E. Ireland	Fresh or strong west or southwest wind; moderating; showery with local hail; brighter intervals; rather mild.
19. S.E. Ireland 20. S.W. Ireland	Wind variable but mainly between south and west, strong at times locally; cloudy, rain at times; mild.

GENERAL INFERENCE.

Nearly stationary depressions are centred off the Hebrides and round South Greenland, and there is a large anticyclone over Northern Russia. Small secondaries are crossing the British Isles and there is a chance of a larger secondary in the South later. Weather continues unsettled.

FURTHER OUTLOOK.

Unsettled and mild.

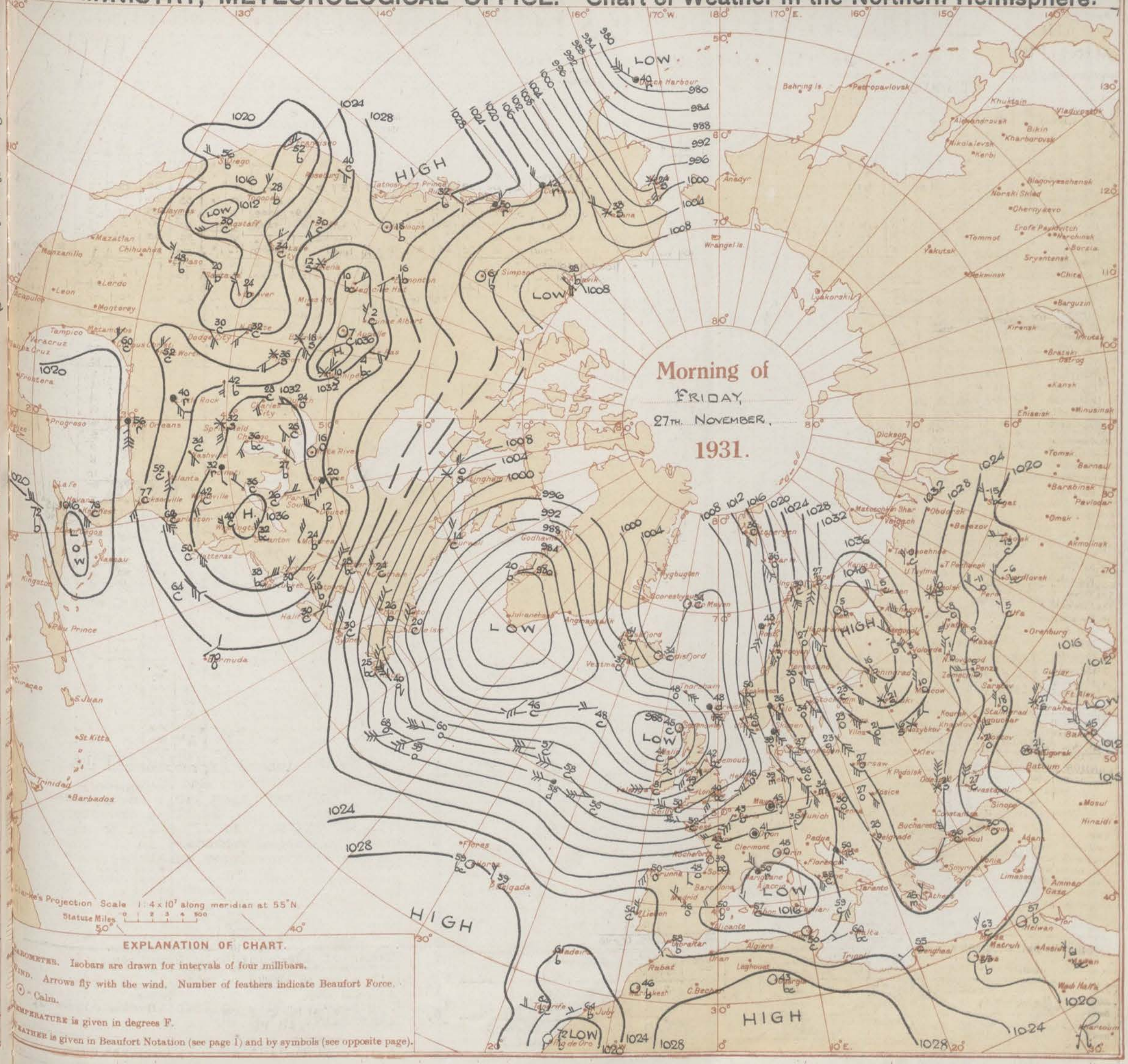
Times of Issue of Gale Warnings.

South cone at 0820 on 25th in districts 13A, 17 and 20.
South cone at 0815 on 26th in districts 6,7,8,12,15,16,18 and 19.

Forecasts issued at 0950 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 November 1931.

No. 25572

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	998.9	+10	SW	4	bc	44	85	7	5	-	8	2.3	4.6	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1000.0	+24	WSW	5	c|p	42	85	8	8	-	-	7.8	7.8	2500
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1001.1	+16	SW	4	ir	44	95	8	9	-	-	10	10	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	998.6	+16	SW	4	0	45	95	6	6	-	-	10	10	1500
	Cranwell	240	995.2	+22	SW	4	c	43	95	8	5	-	-	10	10	4000
3	Birmingham	335	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	999.9	+20	W'S	6	c	48	75	8	3	2	-	4.6	10	1500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1001.1	+16	WSW	4	bc	45	75	8	8	-	2	2.3	4.6	4000
	Scilly (St. Mary's)	163	1000.1	-4	WSW	7	pr	48	85	7	8	2	-	7.8	9+	2500
	Guernsey	175	1003.6	+22	WNW	5	bc	48	75	7	8	-	-	4.6	4.6	2500
6	Pembroke	142	998.0	+14	W	3	bc	49	95	7	5	7	-	2.3	4.6	2500
7	Holyhead	26	995.5	+22	W	4	c	47	75	8	1	-	2	1	7.8	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	992.8	+10	SW	4	pr	45	95	7	3	2	-	4.6	9+	4000
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	67	991.7	0	W	2	0	44	95	7	6	-	-	10	10	1500
11	Inchkeith	190	991.0	-2	SSW	2	r.r.	43	95	7	6	-	-	10	10	1500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	988.2	+8	S	3	c	48	95	8	5	7	-	2.3	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	989.4	-6	SE	8	rr	50	95	7	6	2	-	7.8	10	1500
16	Lerwick	54	997.7	+2	SE	5	c	49	95	6	6	2	-	4.6	7.8	800
17	Blacksod Point	18	988.8	+2	W	5	bc	49	75	7	8	-	-	4.6	4.6	800
18	Malin Head	52	988.6	+4	S	3	b	40	95	8	5	-	-	Tr.	Tr.	4000
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	994.6	+14	W	6	PR	49	95	8	9	-	-	9+	9+	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	Snow 0-9 (30)
London (Kew)	1004.1	+16	SSW	2	bc	41	95	7	8	9	-	2.3	2.3	2500	1	*
Croydon	1004.3	+26	SSW	3	bc	40	95	7	-	3	1	0	2.3	-	1	*
S. Farnborough	1003.7	+18	SW'S	2	bc	39	95	8	-	5	3	0	2.3	-	2	*
Winchester	1003.5	+14	S	2	c	38	95	7	8	-	9	4-6	7-8	4000	0	*
Boscombe Down	1003.0	+14	S'E	3	c	37	95	7	5	1	-	1	9+	2500	1	*
Calshot (S'thmtn)	1003.6	+18	SE	1	bc	45	85	8	3	-	3	2.3	4.6	4000	1	1
Dungeness	*	*	SW'W	5	q	*	*	7	8	-	*	10	10	1500	*	4
Lympne	1005.7	+24	WSW	2	c	40	95	8	9	3	-	4-6	7-8	2500	1	*
Shoeburyness	1004.5	+30	WSW	3	bc	42	85	7	4	7	-	1	4-6	2500	1	*
Felixstowe	1004.2	+30	SW	3	bc	42	85	8	5	-	1	2.3	2.3	7200	1	2
Gorleston	1002.1	+28	W'S	3	c	44	75	7	-	7	-	0	7-8	-	1	2
Cranwell	1000.6	+36	SW'S	3	b	38	95	6	5	-	-	Tr	Tr	2500	1	*
Birmingham	1001.3	+16	SSW	3	bc	38	95	8	-	7	-	0	4-6	-	1	*
Upper Heyford	1002.6	+22	SSW	3	bc	37	95	8	-	5	5	0	4-6	-	1	*
Leafield	1001.8	+14	S	3	c	36	95	9	3	1	6	Tr	7-8	4000	1	*
Ross-on-Wye	1000.8	+10	SSW	2	c	43	85	8	5	1	-	1	9	4000	1	*
Portland Bill	1003.2	+20	SW	4	iR	47	95	7	6	2	-	7-8	10	1500	2	5
Plymouth	1002.1	+8	W'S	4	o|r	49	85	8	6	-	-	10	10	800	1	3
Falmouth	1002.3	+4	WSW	3	bc	46	95	8	8	-	-	4-6	4-6	4000	1	2
Scilly (St. Mary's)	1003.1	+20	W'N	6	c	50	85	7	8	6	-	4-6	7-8	4000	1	4
Guernsey	1005.4	+4	SSW	4	bc	45	85	7	8	-	-	4-6	4-6	2500	1	4
Pembroke	997.1	+2	W	5	pr	50	95	8	6	9	-	4-6	7-8	1500	1	3
Holyhead	995.8	-2	SW	4	u	49	85	8	3	2	-	2.3	10	2500	1	2
Chester (Sealand)	997.9	+14	SE	3	bc	39	95	7	5	-	1	2.3	4-6	4000	1	*
L'pool (Bidston)	997.2	+10	SSE	4	bc	40	85	8	7	3	1	2.3	2.3	2500	1	*
Harrogate	998.0	+26	S'E	2	b	39	95	7	-	4	-	0	Tr	-	1	*
Spurn Head	999.1	+8	WSW	3	bc	42	85	7	4	3	1	2.3	4-6	4000	1	2
Catterick	997.3	+26	SSE	4	bc	37	95	7	8	3	3	4-6	4-6	2500	1	*
Tynemouth	995.8	+24	SW	2	bc	42	85	7	2	-	-	4-6	4-6	2500	1	2
Inchkeith	991.5	+4	SW	3	c	43	85	8	5	2	-	2.3	9+	2500	0	1
Leuchars	991.9	+20	SSW	3	c	43	85	6	5	3	-	9+	9+	1500	2	*
Renfrew	992.5	+6	SSE	3	bc	40	95	8	4	-	1	4-6	4-6	2500	1	*
Eskdalemuir	994.1	+20	S'E	2	c|pr	37	95	7	8	-	-	7-8	7-8	1500	1	*
Tiree	986.8	-10	SSE	4	c	45	85	8	8	7	-	9	9+	2500	0	3
Stornoway	987.9	+4	-	0	c	45	95	8	5	7	-	4-6	7-8	2500	1	2
Dalwhinnie	989.9	0	S	2	c	38	95	6	4	6	-	4-6	10	800	1	*
Aberdeen	990.9	+22	SSW	2	o	43	95	6	6	-	-	10	10	1500	1	1
Wick	988.2	-8	SSE	8	c|r	50	95	7	6	2	-	7-8	10	1500	1	4
Lerwick	989.4	+10	SE	6	id.	48	95	5	6	-	-	10	10	800	1	*
Blacksod Point	989.2	+4	W	6	PR	50	95	7	9	-	-	10	10	<150	1	5
Malin Head	986.0	-16	S	5	c|r	41	95	7	6	2	-	7-8	9+	2500	1	3
Aldergrove	990.2	-16	S'E	4	c	40	85	7	5	2	-	9	10	4000	1	*
Donaghadee	990.5	-8	SW	2	c	42	85	7	5	2	-	4-6	7-8	1500	0	1
Birr Castle	993.0	+2	W	3	c	45	95	7	5	-	-	7-8	7-8	2500	1	*
Valentia Obsy.†	998.9	+18	W'S	6	c	51	85	8	8	6	-	4-6	7-8	2500	1	*
Roches Point	998.5	+16	SW	3	bc	47	95	8	3	-	-	4-6	4-6	1500	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 Yesterday Hrs. (36)
London (Kew)	57	40	33	0.5	4	0.0
Croydon	56	39	35	1	6	0.0
S. Farnborough	56	38	29	2	4	0.1
Winchester	55	36	32	4	4	*
Boscombe Down	55	35	31	3	2	0.0
Calshot (S'thmtn)	55	41	32	3	5	*
Dungeness	56	45	*	Tr.	8	*
Lympne	55	38	33	0.1	5	0.7
Shoeburyness	56	40	37	0.1	5	1.9
Felixstowe	55	41	37	0.4	3	3.4
Gorleston	52	43	40	-	2	0.0
Cranwell	54	37	34	Tr.	8	0.7
Birmingham	54	37	33	3	5	0.2
Upper Heyford	55	37	31	1	4	*
Leafield	54	35	29	2	3	0.4
Ross-on-Wye	55	40	35	10	0.5	0.2
Portland Bill	56	44	*	3	6	*
Plymouth	55	44	41	12	1	0.0
Falmouth	55	45	*	14	4	0.0
Scilly (St. Mary's)	54	43	*	6	6	0.2
Guernsey	57	44	40	8	4	0.4
Pembroke	54	45	*	5	2	0.0
Holyhead	53	45	40	9	1	0.0
Chester (Sealand)	55	38	33	8	9	1.5
L'pool (Bidston)	53	40	37	10	11	1.1
Harrogate	52	38	35	Tr.	10	0.0
Spurn Head	50	42	*	-	2	0.0
Catterick	52	37	32	Tr.	10	*
Tynemouth	51	42	36	0.1	10	*
Inchkeith	51	41	40	4	9	1.4
Leuchars	50	42	38	0.1	9	0.0
Renfrew	53	39	33	2	1	0.0
Eskdalemuir	50	35	32	12	8	0.2
Tiree	51	43	39	8	10	0.0
Stornoway	52	43	*	4	0.1	0.0
Dalwhinnie	46	36	33	5	6	0.0
Aberdeen	50	43	40	-	4	*
Wick	50	49	*	-	4	*
Lerwick	49	48	*	Tr.	0.3	0.0
Blacksod Point	50	44	*	8	5	*
Malin Head	51	39	*	5	5	0.4
Aldergrove	52	36	30	8	Tr.	0.3
Donaghadee	53	38	*	5	-	*
Birr Castle	51	36	27	1	1	2.8
Valentia Obsy.†	48	45	40	7	3	0.0
Roches Point	54	44	*	5	2	*

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon (24 hrs. ended 9h.)	Weather Night (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h. (To-day)
Kew	18	cm.c	ccrc	crkqcr.bc	56	40	33	0.5	4	0.0	*	*	5
Croydon	217	odd.cm.	cr.rq.m.	cm.rrcbc	56	39	35	1	6	0.0	*	*	6
Greenwich (Royal Observatory)	149	c	cr	cf.nhdb	57	38	30	0.5	4	0.3	86	84	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.5	*	*	*
Westminster (St. James' Park)	27	*	*	*	56	42	37	4		0.9	80	78	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	0.3	*	*	*
Camden Square	110	c	cor	*	56	41	35	3	1	*	*	83	*
Kensington	80	coeco	co	*	57	41	33	0.6	4	0.8	At 18h. 85	82	*
Hampstead Observatory	450	od	om	*	56	36	29	4	1	0.2	*	86	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 27th

South Kensington Max.	Time.	Min.	Time.	Kew Observatory Max.	Time.	Min.	Time.
0.6	8-10h 26th	Nil	1-6h 27th	0.2	9h 26th	<0.1	0-5h 27th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 26th November Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 27th November 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	1006.6	SE	3	c	54	1011.3	SW	5	b	43	57	43	-	1
Brussels	1007.0	S	4	c	50	1008.3	SSW	4	c	43	54	43	Tr.	2
Berlin	1016.8	SE'S	5	c	37	1013.9	SE	4	c	36	43	34	-	-
Zurich	1016.3	E	1	b		1016.3	E	1	b			45		0.8
Rome	1016.4	W	1	c	50	1017.5	SE	3	c	58		52		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.
1 Smooth.
2 Slight.
3 Moderate.
4 Rough.
5 Very rough.
6 High.
7 Very high.
8 Precipitous.
9 Confused.

TERMS OF SUBSCRIPTION. { Single Copies, 1d. each; by post 1½d. 3/6 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

SATURDAY, 28th November 1931.

No. 25573.

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

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)...	1004.6	-8	S'W	4	c	48	85	7	4	7	-	1	10	2500
	Croydon ...	1004.9	-6	SSW	4	c	47	85	6	8	7	-	2.3	9+	1500
	S. Farnborough	1004.1	-10	S'W	3	ir	48	85	7	6	2	-	9	10	1500
	Winchester ...	1003.6	-10	SSW	4	c	49	85	8	9	2	-	9	9+	1500
	Boscombe Down	1003.0	-8	SSW	4	c	50	75	7	5	3	-	4.6	7.8	2500
	Calshot, S'thmtn	1005.1	-2	S'W	4	cdpr	51	85	8	8	3	1	4.6	7.8	1500
	Dungeness ...	*	*	SW	5	c	*	*	7	3	7	*	4.6	10	1500
	Lympne ...	1007.1	-2	SSW	4	c	46	85	9	8	1	8	4.6	9+	2500
2	Shoeburyness	1006.0	+4	SSW	4	c	46	85	7	8	2	-	4.6	7.8	2500
	Felixstowe ...	1006.1	+2	S'W	5	c	48	85	8	5	7	4	2.3	7.8	2500
	Gorleston ...	1005.2	0	SW'S	4	bc	47	85	7	2	2	-	4.6	4.6	2500
	Cranwell ...	1001.6	-6	S'E	4	c	44	85	8	5	1	-	2.3	10	2500
3	Birmingham ...	1000.9	-4	SSW	4	r$_0$r$_0$	44	95	5	6	2	-	7.8	10	800
	Upper Heyford	1002.8	-6	S	3	ir$_0$	45	95	6	6	2	-	7.8	10	800
	Leafield ...	1002.0	0	S'W	4	tr	44	95	7	6	2	-	7.8	10	800
4	Ross-on-Wye ...	1000.4	-4	SW	4	bc	51	85	6	9	7	-	2.3	4.6	4000
5	Portland Bill...	1003.2	-6	WSW	6	c	53	75	8	2	-	-	7.8	7.8	2500
	Plymouth ...	1004.1	0	W	5	bcjp	53	75	6	3	-	3	4.6	4.6	2500
	Falmouth ...	1004.5	-10	WSW	6	q	52	85	8	3	3	-	2.3	4.6	4000
	Scilly (St. Mary's)	1004.6	-4	WSW	5	c	52	85	7	5	-	-	9	9	4000
	Guernsey ...	1005.9	+4	W	4	bc	53	85	7	8	3	-	4.6	4.6	2500
6	Pembroke ...	998.9	+4	WSW	5	cr$_0$	52	95	8	8	5	-	4.6	7.8	1500
7	Holyhead ...	995.3	-4	SW'W	6	r$_0$r$_0$	50	95	6	6	2	-	9	10	1500
	Chester (Sealand)	996.7	-16	SSE	4	ir	45	95	6	6	-	-	10	10	1500
8	L'pool (Bidston)	995.9	-10	S'E	5	rr	43	95	6	6	-	-	10	10	1500
9	Harrogate ...	996.5	0	S	3	rr	47	95	4	6	2	-	4.6	10	<150
10	Spurn Head ...	1000.3	+2	SSW	5	c	45	85	7	4	3	9	4.6	7.8	4000
	Catterick ...	997.4	-12	SSE	4	ir$_0$	41	95	4	6	-	-	10	10	1500
	Tynemouth ...	997.3	-6	SSE	3	bc	44	85	7	5	3	-	2.3	4.6	1500
11	Inchkeith ...	994.5	+12	ESE	3	c	45	85	8	5	7	-	7.8	9	2500
	Leuchars ...	996.1	+6	SE	4	c	47	75	7	4	9	2	1	7.8	4000
12	Renfrew ...	993.3	+6	ESE	3	rr	42	95	5	6	-	-	10	10	1500
	Eskdalemuir ...	993.8	-6	SSE	4	rr	40	95	6	6	2	-	9	10	800
13A	Tiree ...	990.0	+18	E'S	4	ir$_0$	44	85	8	6	7	-	9+	10	1500
13B	Stornoway ...	992.2	+16	N	1	c$_0$	45	95	9	1	7	-	2.3	7.8	2500
15	Dalwhinnie ...	994.6	+16	S	2	c	40	85	7	4	2	-	4.6	9	800
	Aberdeen ...	997.5	+24	SSE	4	bc	48	75	8	8	-	-	4.6	4.6	2500
	Wick ...	995.6	+40	SE	4	bc	46	85	8	5	8	1	2.3	4.6	2500
16	Lerwick ...	1000.5	+16	SE	7	cdd	47	95	6	6	2	-	4.6	10	800
17	Blacksod Point	994.5	+22	W	7	q	51	85	8	3	-	-	7.8	7.8	450
18	Malin Head ...	986.2	-4	SW	3	ir	48	95	6	9	-	-	9	9	1500
	Aldergrove ...	990.1	+6	SSW	4	c	47	85	7	5	-	-	9+	9+	2500
	Donaghadee ...	989.9	-2	SW	2	c	49	85	7	8	3	-	4.6	7.8	2500
19	Birr Castle ...	996.0	+18	W	3	ir$_0$	45	85	7	6	2	-	7.8	9+	1500
20	Valentia Obsy.	1001.2	+6	SW'W	4	r$_0$	52 (53)	85	7	6	-	-	10	10	1500
	Roches Point...	1000.4	+8	NW	3	bc	52	75	8	3	-	-	4.6	<6	1500

OBSERVATIONS at 18h. G.M.T. 27th November — PAST 24 HOURS

Stations	Barom. 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)	Weather 7h.–13h. 27th (37)	Weather 13h.–18h. 27th (38)	Weather 18h. 27th to 1h. 28th (39)	Weather 1h.–7h. 28th (40)
London (Kew)...	1003.4	-6	S'W	3	c	48	85	6	5	7	-	4.6	9+	2500	1	•	bcm$_0$c	cbcm$_0$	cm$_0$	cmcfu
Croydon ...	1004.2	-6	SSW	3	c	47	95	6	5	7	-	4.6	9	2500	1	•	bcz$_0$	cprd m$_0$	cm$_0$	bcm$_0$
S. Farnborough	1003.2	-2	SSW	3	c	47	85	7	4	7	8	2.3	9	4000	1	•	b,cir	cp$_0$bcc	bccpb	blrrfc
Winchester ...	1003.4	-2	SW'S	2	bc	46	85	8	5	7	-	4.6	4.6	4000	1	•	cmdr$_0$c	dr$_0$cbc	bcbff	bfcid$_0$m$_0$
Boscombe Down	1003.2	-2	SW	2	bc	44	85	7	5	-	-	2.3	2.3	2500	1	•	circ	cpr$_0$bc	bcr$_0$·bc	cir$_0$bc
Calshot, S'thmtn	1004.5	-2	WSW	2	cdpr	49	85	7	3	7	-	4.6	7.8	2500	0	1	ciRpr	cbcpr$_0$	bcpr$_0$	bcpr$_0$
Dungeness ...	*	*	SW	5	iR	*	*	7	9	-	*	10	10	800	*	3	b	r	*	r
Lympne ...	1006.0	-6	SW'S	3	PR	45	85	8	8	-	-	10	10	2500	1	•	bccpr	cvPR	cpr	cRrr
Shoeburyness	1004.2	-14	SSW	4	c	47	95	7	8	2	-	4.6	9	2500	1	•	bcc	cp$_0$r	ccr$_0$	ccm
Felixstowe ...	1005.3	-12	S'W	5	r$_0$r$_0$	47	85	8	6	2	-	9+	10	1500	1	4	bcc	cr$_0$	cr$_0$crr	cprcr$_0$r$_0$
Gorleston ...	1003.9	-8	SSW	5	rr$_0$	47	95	6	6	-	-	10	10	1500	1	4	cbcq	bcor	orrc	corRR
Cranwell ...	1000.3	-6	S	4	r$_0$r$_0$	44	95	6	6	2	-	7.8	10	800	1	•	bm$_0$c	cr$_0$rr	rrcm$_0$	cr$_0$fc
Birmingham ...	1000.6	0	SSW	3	r$_0$r$_0$	46	85	6	6	-	-	10	10	800	1	•	cr$_0$r$_0$	comd	oirc	coir$_0$
Upper Heyford	1002.1	+2	SW	3	c	46	95	7	6	2	-	4.6	10	1500	1	•	bccr$_0$rRr	rrRrc	cr$_0$bc	b-crr$_0$
Leafield ...	1001.6	0	SW'S	4	c	45	85	8	5	2	-	7.8	10	2500	1	•	cir	cr pr	cr$_0$bc	cprbc
Ross-on-Wye ...	1000.9	0	SW'W	2	cdr	47	85	7	8	-	-	9	9	2500	1	•	ir$_0$cbc	bccir	ccbbccb	bccb
Portland Bill...	1002.9	-6	WSW	5	c	52	85	8	4	4	-	4.6	7.8	2500	1	4	circ	c	crrc	c
Plymouth ...	1003.9	-2	W'S	5	rr	50	95	6	6	-	-	10	10	800	1	3	cprqm$_0$	cd$_0$orm$_0$	orrr$_0$r$_0$	Ro
Falmouth ...	1004.2	-4	WSW	4	DD	50	95	6	5	-	-	10	10	1500	1	2	bcPq	bcqomd	om$_0$idc	cbcP
Scilly (St. Mary's)	1003.9	-4	WSW	4	d	51	95	3	-	-	-	10	10	<150	1	4	cpbcc	cdff	odff	oifmc
Guernsey ...	1006.5	-6	W	4	bc	52	85	7	8	-	-	9+	(9+)	2500	1	4	bccpr	bccpr	coRr	copr
Pembroke ...	999.9	+2	WSW	4	bc	52	95	7	5	3	-	2.3	4.6	1500	0	4	bcq	bcq	bc	bc
Holyhead ...	997.2	+14	W	6	pr	51	85	6	3	-	-	7.8	7.8	1500	1	3	rirq	rrprq	qpr$_0$	cprm$_0$
Chester (Sealand)	997.3	+6	SW	2	cdr	48	85	6	5	-	-	7.8	7.8	1500	2	•	bcorr$_0$m$_0$	rr	mrd$_0$c	[illegible]
L'pool (Bidston)	996.0	+2	W'S	4	r$_0$r$_0$	47	85	7	6	-	-	10	10	1500	2	•	corr	orrcopkq	r$_0$cpr	bccbc
Harrogate ...	997.1	0	S	1	rr	44	95	4	6	-	-	10	10	<150	1	•	bbccrr	comrr	ocrrir	oFF
Spurn Head ...	999.5	-6	S'W	6	rr	45	95	5	6	-	-	10	10	1500	1	5	bcc	cr	orrc	cir bc
Catterick ...	996.6	+2	SSE	4	cdr	44	95	5	6	-	-	9	9	800	1	•	bcm$_0$com	crd$_0$r$_0$r$_0$	oddr$_0$	or$_0$r$_0$dn
Tynemouth ...	996.4	0	SSE	4	ir	45	95	7	6	-	-	10	10	1500	1	3	bcm$_0$	bcoir	oir$_0$	o
Inchkeith ...	995.5	+6	ESE	4	rr	42	85	7	6	-	-	10	10	1500	1	2	c	corr	orrir$_0$c	cir
Leuchars ...	997.9	+14	ESE	4	rr	45	85	5	6	2	-	9+	10	1500	2	•	cm$_0$bbc	bccrrm	cRr$_0$m$_0$	cprpr$_0$
Renfrew ...	996.3	+20	ENE	3	c	42	85	6	5	-	-	9	9	1500	1	•	bcorr	or$_0$r$_0$c	cm$_0$bc	bccidd
Eskdalemuir ...	995.3	+6	NNE	1	r$_0$r$_0$	40	95	6	6	2	-	9	10	800	1	•	crr	crscr$_0$	cir$_0$	o
Tiree ...	996.3	+38	E'N	2	c	44	65	8	5	7	-	7.8	9	2500	1	3	crrc	id$_0$c	crd$_0$	[illegible]
Stornoway ...	998.4	+32	SE	3	bc	47	85	8	4	7	-	2.3	2.3	2500	1	2	cir	bc	bc	bc
Dalwhinnie ...	998.6	+2	NE	2	c	42	75	5	3	4	-	7.8	9	800	0	•	ir	c		rc
Aberdeen ...	1000.7	+16	SE'E	5	b	47	75	7	8	-	-	1	1	2500	1	3	orcz$_0$bc	bcb	b bcc	cbc
Wick ...	1000.6	+18	SE	5	bc	47	85	8	7	4	8	4.6	4.6	2500	0	4	cbc	bc	bc	bc
Lerwick ...	1005.2	+14	SSE	3	c	47	85	7	5	-	-	9+	(9+)	1500	0	•	oid$_0$m$_0$	o	coid$_0$m$_0$	oid$_0$m$_0$
Blacksod Point	998.9	+24	W	4	c	50	85	8	5	-	-	10	10	<150	1	4	preq	preq	c	c
Malin Head ...	994.3	+60	N'W	2	c	49	85	7	8	-	-	9	9	2500	1	2	cRirm$_0$	cirbc	cprcbc	bocz$_0$
Aldergrove ...	994.0	+36	WNW	2	r$_0$	47	95	6	6	-	-	9+	9+	1500	1	•	cr$_0$c	cr$_0$	r$_0$c	c
Donaghadee ...	992.7	+20	WNW	2	c$_0$	48	95	7	5	-	-	9	9	1500	1	1	cr$_0$r$_0$c	crrc	c	c
Birr Castle ...	999.0	+20	W	2	c	49	85	8	5	-	-	9+	9+	2500	1	•	cir$_0$	c	c	c
Valentia Obsy.	1002.2	+10	WSW	3	dd	53	95	6	5	-	-	10	10	800	1	4	bccprcr	cir$_0$dd	ord$_0$d$_0$	ddr$_0$r$_0$
Roches Point...	1001.1	+14	W	3	c	52	95	8	5	-	-	9	9	2500	0	3	bc	bcp$_0$c	c	c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220-1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_0$, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s$_0$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus, R, heavy rain. r$_0$, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, 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.

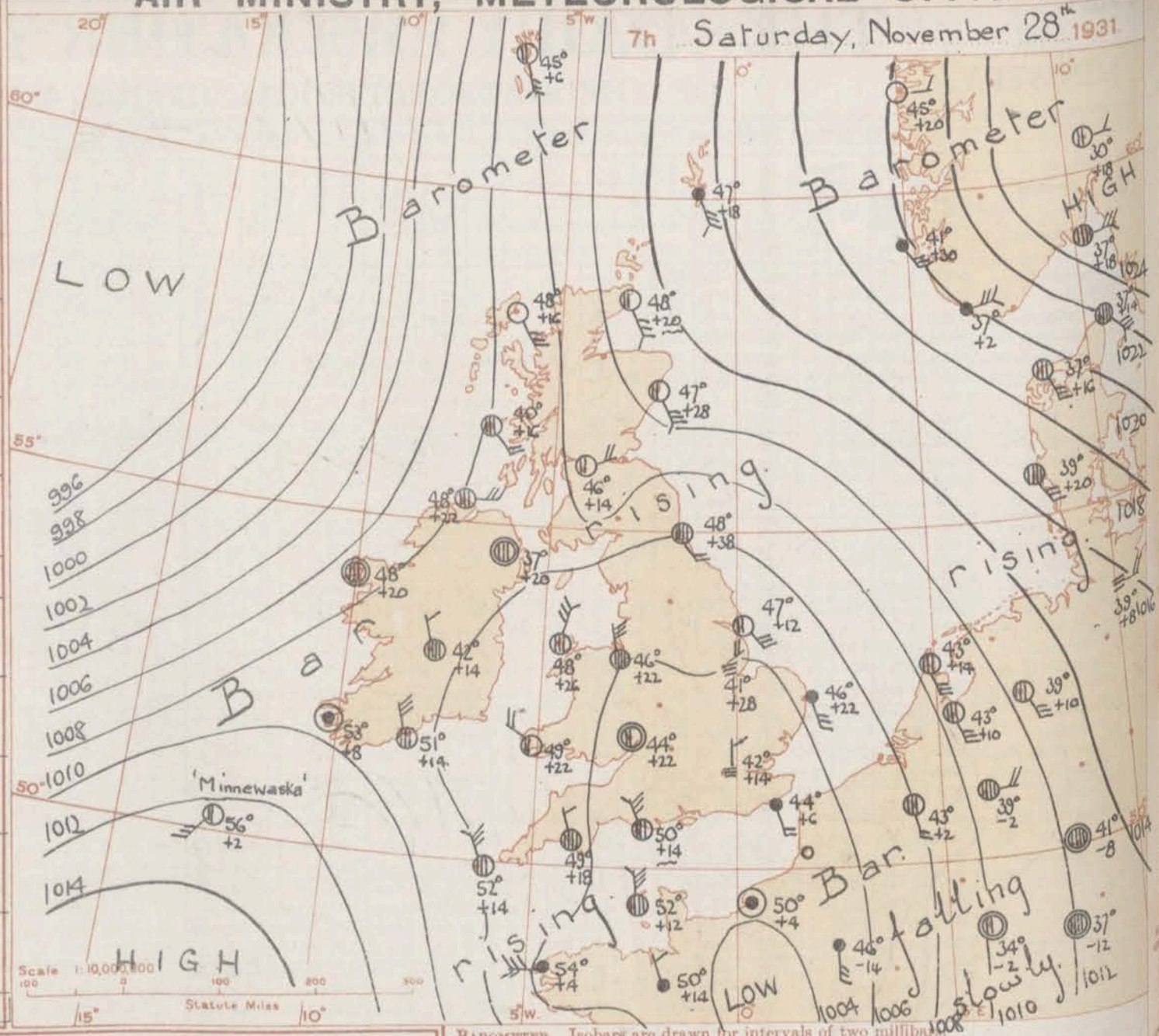
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 28th November 1931.

Districts.	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 Sunset 27th.
1	Tunbridge W.	bcoc	op	37	49	7	Tr	1.2
	Bournemouth	cbc	bcr	40	53	4	1	4.3
	Ventnor ...	rcop	pbcpu	43	51	11	4	1.6
	Southsea ...	orcbc	bcb	41	53	10	–	1.8
	Bognor Regis	bcir	bcir	42	51	6	2	1.3
	Littlehampton	bcpbcp	bcpc	41	51	7	1	0.8
	Worthing ...	rcoc	rco	41	52	8	2	1.2
	Brighton ...	rcbcr	cbc	45	51	7	1	1.5
	Eastbourne†	cir o	oir	44	50	9	4	0.4
	Hastings† ...	ocho	coron	42	50	7	8	0.3
	Folkestone ...	rbccp	co	40	50	9	0.4	1.4
	Dover... ...	crqbc	cdc	43	51	10	Tr	1.4
	Deal	bcc	oc	41	49	6	–	0.6
	Ramsgate ...	bcc	c	41	50	4	–	0.9
	Margate ...	bc	c	41	50	4	–	1.1
2	Southend ...	bbcc	oc	41	49	3	–	0.0
	Maldon ...	cbbc	co	38	49	3	–	2.1
	Clacton-on-Sea	cbc	bcc	42	50	4	–	3.0
	Dovercourt ...	rbc	bcocr	39	49	4	Tr	3.4
	Lowestoft ...	proc	bccod	40	48	2	Tr	4.6
	Skegness ...	obcdd	orm	39	47	2	Tr	2.6
	Mablethorpe	bc	cod	37	46	2	Tr	2.9
	Cleethorpes ...	bc	or	39	54	5	0.2	3.6
3	Leamington S.	or	or	37	48	5	2	0.0
4	Cheltenham†	ocir	cpo	40	51	4	1	0.3
5	Bath	circb	cir	42	52	3	5	0.6
	Weymouth ...	cbcc	b	43	55	9	–	4.2
	Jersey ...	rqbc	rqc	48	54	6	0.5	4.3
	Torquay ...	bcprqb	bcqp	37	56	9	1	4.7
	Penzance ...	bbc	or	43	55	7	2	3.6
	St. Ives ...	pr	pr	41	53	7	2	3.2
	Bude	pcbc	bcp	44	53	9	Tr	3.7
	Ilfracombe ...	cpbc	bcdc	44	53	12	1	1.4
6	Aberystwyth	cir	circ	48	51	5	1	0.0
7	Llandudno ...	or	rrc	41	50	9	11	0.0
	Colwyn Bay...	rorr	rrorc	40	50	11	5	0.0
	Rhyl	orr	orrc	39	49	11	9	0.0
8	Wallasey ...	oR	RR	40	?	12	15	0.0
	Southport‖ ...	rr	rrpr	40	47	12	25	0.0
	Blackpool ...	oR	oR	41	48	17	14	0.0
	Morecambe ...	prerr	rrorr	40	48	16	15	0.0
9	Ilkley... ...	bcc	oR	38	45	18	15	0.1
10	Berwick-on-T.	bbc	RRo	41	46	13	1	3.5
11	Dunbar ...	orrbc	bcorr	41	46	11	2	3.2
12	Douglas ...	oRRm	cb	41	48	1	2	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 6/10 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. 28th Nov. 1931.
1. S.E. England 2. E. England...	Light or moderate northeast to east wind; mainly cloudy, local rain or drizzle at first; local mist or slight fog; temperature moderate, somewhat lower tomorrow.
3. E. Midlands 4. W. Midlands	Light northeast to east winds; cloudy, slight drizzle locally; local fog; temperature moderate, somewhat lower tomorrow.
5. S.W. England 6. South Wales 7. North Wales	Light or moderate northerly wind, becoming east or variable; mainly cloudy, perhaps slight local showers or drizzle; temperature falling slightly.
8. N.W. England 9. N. Midlands	As 3 - 4.
10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Light or moderate east or southeast wind; mainly cloudy, slight showers locally; rather mild.
13. A. W. Scotld. B. N.W. Scotland.	Moderate to strong southerly wind; cloudy, perhaps local rain; mild.
14. Mid-Scotland 15. N.E. Scotland	As 10 - 12.
16. Orkneys and Shetlands.	As 13.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind variable to south or southwest, light to fresh; cloudy, perhaps occasional local rain; local mist or perhaps fog; moderate or rather high temperature.

GENERAL INFERENCE.

A depression over France is moving South-southeast and a deeper depression on the Atlantic is moving north-northeast towards Iceland. A ridge of high pressure is developing over the British Isles and a large anticyclone over Northern Russia is spreading southwest. Weather will be mainly cloudy, and small amounts of rain are probable locally.

FURTHER OUTLOOK.

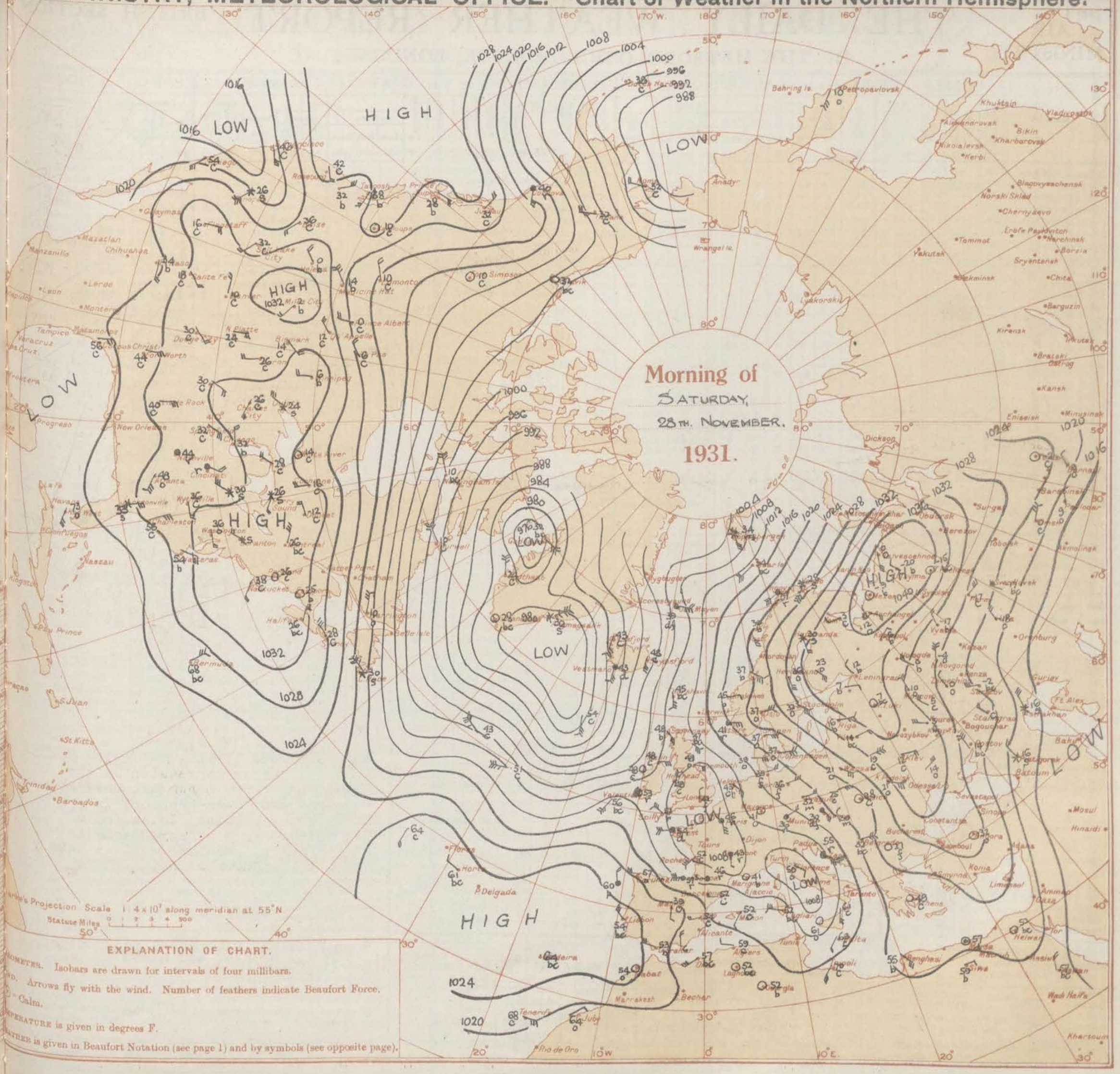
Mainly cloudy with local fog; colder than of late in the east and south.

Forecasts issued at 0950 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

SATURDAY, 28th November 1931.

No. 25573.

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

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	1003.3	-4	S	3	c	43	95	7	5	-	-	7-8	7-8	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wincheaster	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1003.6	-10	WNW	2	bc	46	95	7	8	-	-	4.6	4.6	4000
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1004.4	-8	S'E	2	c	47	95	7	5	-	-	9+	9+	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1003.6	-4	SW'S	3	c	47	95	6	-	6	-	0	7-8	-
	Cranwell	240	1001.6	+10	SE'S	1	c	42	95	6	5	3	-	9	9+	4000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1002.7	0	W	3	c	52	85	8	4	7	-	4.6	7-8	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1004.0	0	W'N	3	c	51	95	7	5	-	-	9	9	4000
	Scilly (St. Mary's)	163	1004.7	0	NW	5	f	53	95	2	5	-	-	10	10	<150
	Guernsey	175	1004.1	-2	NNW	1	c	52	95	8	8	3	-	7-8	10	2500
6	Pembroke	142	1002.6	+14	W	3	bc	52	85	8	4	6	-	2-3	4-6	2500
7	Holyhead	26	1002.6	+32	N'W	4	c	50	95	8	8	-	-	9+	9+	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1001.3	+6	S	4	c	46	95	7	3	2	-	4-6	9+	4000
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	67	1001.4	+24	SE	2	o/r	47	95	7	5	-	-	10	10	1500
11	Inchkeith	190	1003.3	+22	ENE	2	c	45	95	7	5	7	-	4-6	9+	2500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1005.7	+26	SE	2	bc	45	95	8	1	7	-	2-3	2-3	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1007.9	+28	SE	4	b	48	85	8	7	-	-	1	1	2500
16	Lerwick	54	1011.4	+26	SSE	3	id.	47	85	6	5	2	-	4-6	10	800
17	Blacksod Point	18	1004.6	+24	-	0	c	47	95	7	-	1	-	0	9+	-
18	Malin Head	52	1003.8	+26	N'W	3	bc	47	85	7	4	6	-	2-3	2-3	4000
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1006.4	+26	W'S	4	DD	50	95	3	6	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
1	London (Kew)	1005.4	+14	WNW	2	cf	43	95	3	5	3	8	4-6	9+	2500	1	*
	Croydon	1004.7	+14	N	1	f	42	95	3	5	3	-	2-3	4-6	4000	1	*
	S. Farnborough	1005.0	+10	N	1	f	41	95	3	5	-	-	10	10	800	1	*
	Wincheaster	1004.9	+14	N'W	2	id.	40	95	6	5	5	-	4-6	9	4000	1	*
	Boscombe Down	1004.9	+18	NW	1	bc	43	95	6	5	4	-	2-3	4-6	2500	1	*
	Calshot (S'thmtn)	1004.3	+6	WNW	3	bc	44	95	6	5	3	-	4-6	4-6	4000	1	1
	Dungeness	*	*	SE	2	ro/o	*	*	7	9	6	*	4-6	9+	1500	*	1
	Lympne	1004.7	+6	SE	2	rr	44	95	6	9	-	-	10	10	~~400~~ 800	1	*
2	Shoeburyness	1004.8	+16	NW	1	c	41	95	4	8	-	-	7-8	7-8	2500	1	*
	Felixstowe	1005.4	+10	SSE	3	ro/o	48	95	7	6	2	-	7-8	10	1500	1	2
	Gorleston	1006.3	+22	SE'S	3	rr	46	95	6	6	-	-	10	10	800	1	3
	Cranwell	1006.0	+28	ENE	2	f	41	95	1	5	-	-	10	10	<150	1	*
3	Birmingham	1005.6	+18	NNW	3	o/ro	45	95	5	6	-	-	10	10	800	1	*
	Upper Heyford	1005.3	+26	N	3	c	43	95	6	5	-	-	7-8	7-8	1500	1	*
	Leafield	1004.8	+14	NNW	2	c	43	95	8	5	-	-	7-8	7-8	2500	1	*
4	Ross-on-Wye	1005.5	+16	-	0	bc	44	95	8	5	3	-	1	2-3	4000	1	*
5	Portland Bill	1005.2	+14	NW'W	4	c	50	85	8	4	7	-	7-8	10	2500	1	4
	Plymouth	1006.7	+18	NNW	1	o	49	75	8	5	-	-	10	10	4000	1	1
	Falmouth	1007.5	+8	NNW	3	c	50	85	7	2	8	-	2-3	7-8	4000	1	2
	Scilly (St. Mary's)	1008.8	+14	NW	4	c	52	95	7	5	-	-	9+	9+	4000	1	2
	Guernsey	1005.6	+12	NNW	4	o	52	85	8	5	-	-	10	10	1500	1	3
6	Pembroke	1006.5	+22	WNW	2	c	49	95	8	4	6	-	7-8	7-8	1500	0	2
7	Holyhead	1007.2	+26	NNE	4	c	48	95	7	5	-	-	9+	9+	4000	1	3
	Chester (Sealand)	1006.0	+32	NW	3	c	46	95	6	5	-	-	10	10	2500	1	*
8	L'pool (Bidston)	1006.1	~~-22~~ +24	N	2	c	45	95	7	5	5	-	2-3	7-8	1500	2	*
9	Harrogate	1007.8	+46	-	0	f	43	95	1	5	-	-	10	10	<150	1	*
10	Spurn Head	1008.8	+12	ESE	3	bc	47	95	6	5	1	-	2-3	4-6	2500	1	3
	Catterick	1007.9	+36	NNW	1	of	43	95	3	5	-	-	10	10	800	1	*
	Tynemouth	1007.7	+38	ESE	2	o	48	95	7	6	-	-	10	10	1500	1	2
11	Inchkeith	1009.1	+24	E	3	c	47	95	8	5	2	-	4-6	10	1500	1	2
	Leuchars	1010.6	+38	ENE	4	c/pr.	47	85	7	6	2	-	9	10	1500	2	*
12	Renfrew	1009.6	+34	ENE	2	bc/d	46	95	7	5	-	-	4-6	4-6	4000	1	*
	Eskdalemuir	1011.3	+40	NE	3	c	42	85	6	5	2	-	9+	10	220	1	*
13A	Tiree	1008.3	+16	E'S	2	c	40	95	8	-	7	2	0	7-8	-	0	2
13B	Stornoway	1009.1	+16	SE	3	b	48	95	8	-	-	-	0	0	-	1	2
15	Dalwhinnie	1011.6	+28	SE	2	c	42	85	6	4	4	2	4-6	7-8	800	1	*
	Aberdeen	1012.6	+28	SE'E	4	bc	47	85	7	1	-	-	2-3	2-3	2500	1	3
	Wick	1012.2	+20	SE	4	bc	48	85	8	8	1	-	4-6	4-6	2500	0	4
16	Lerwick	1015.8	+18	SE	4	id.	47	85	7	6	2	-	4-6	10	800	1	*
17	Blacksod Point	1007.5	+20	-	0	c	48	95	7	-	2	-	0	10	-	0	2
18	Malin Head	1008.1	+22	E	3	f	48	85	6	5	9	-	2-3	9+	2500	0	2
	Aldergrove	1008.7	+20	-	0	c	37	95	7	5	5	-	2-3	9	2500	1	*
	Donaghadee	1007.1	+20	N	4	c	45	85	7	8	3	-	4-6	7-8	2500	0	2
19	Birr Castle	1009.0	+14	NW	1	c	42	95	7	5	-	-	9+	9+	1500	1	*
20	Valentia Obsy.†	1009.2	+8	-	0	ro/o	53	95	5	5	-	-	10	10	450	1	*
	Roches Point	1008.3	+14	NW	3	c	51	95	8	5	-	-	9	9	2500	0	3

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Night 18h-7h mm. (35)	Sunshine 24 hrs. Hrs. (36)
1	London (Kew)	49	41	32	1	Tr	0.9
	Croydon	48	40	35	0.2	Tr	1.0
	S. Farnborough	50	37	29	0.3	0.6	0.9
	Wincheaster	52	37	32	Tr.	Tr.	1.9
	Boscombe Down	51	40	33	0.5	0.5	*
	Calshot (S'thmtn)	53	43	33	3	0.5	1.5
	Dungeness	51	46	*	3	0.6	*
	Lympne	47	44	42	2	16	1.0
2	Shoeburyness	50	37	29	Tr	0.1	2.3
	Felixstowe	49	45	42	0.1	3	3.7
	Gorleston	49	43	38	0.1	20	4.8
	Cranwell	45	37	33	2	4	2.6
3	Birmingham	46	43	40	1	1	0.0
	Upper Heyford	47	39	31	4	1	*
	Leafield	47	41	36	4	2	0.1
4	Ross-on-Wye	51	44	31	3	-	1.5
5	Portland Bill	54	50	*	1	1	*
	Plymouth	54	48	44	0.6	2	4.3
	Falmouth	54	50	*	1	3	4.5
	Scilly (St. Mary's)	53	51	*	1	1	2.9
	Guernsey	54	51	47	1	7	4.9
6	Pembroke	53	46	*	-	-	3.3
7	Holyhead	51	48	45	7	0.6	0.0
	Chester (Sealand)	49	45	40	8	2	0.0
8	L'pool (Bidston)	47	44	42	14	2	0.0
9	Harrogate	44	42	39	13 ~~10~~	3	0.9
10	Spurn Head	46	44	*	04	6	3.7
	Catterick	44	41	38	2	2	*
	Tynemouth	45	44	37	1	0.6	0.0
11	Inchkeith	47	42	39	2	1	2.2
	Leuchars	47	44	42	1	4	4.1
12	Renfrew	43	39	31	7	0.3	0.1
	Eskdalemuir	40	39	37	6	0.3	0.0
13A	Tiree	45	39	33	2	Tr	0.0
13B	Stornoway	48	43	*	0.6	-	0.5
15	Dalwhinnie	42	39	36	0.5	1	0.0
	Aberdeen	48	47	43	0.5	-	4.0
	Wick	50	47	*	-	-	*
16	Lerwick	48	46	*	0.1	Tr	0.0
17	Blacksod Point	52	45	*	4	-	*
18	Malin Head	50	46	*	7	0.4	2.7
	Aldergrove	47	36	30	5	0.1	0.5
	Donaghadee	50	45	*	7	-	*
19	Birr Castle	50	41	31	0.1	-	2.1
20	Valentia Obsy.†	53	52	52	1	3	0.3
	Roches Point	53	50	*	0.1	-	*

LONDON OBSERVATIONS.

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

	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	bcm.c	cpcm.	cmcfu	49	41	32	1	Tr	0.9	*	*	3
Croydon	217	bc3.	cprd.m	cm.bcm.	48	40	35	0.2	Tr	1.0	*	*	2
Greenwich (Royal Observatory)	149	c[illegible]	cpc	cbcm.f	49	42	31	0.3	4	0.9	85	94	3
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Park)	27	*	*	*	49	43	39	2		0.6	79	94	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	0.9	*	*	*
Camden Square	110	bcc	ccrc	*	49	44	38	1	1	*	*	96	*
Kensington	80	bcorco	co	*	49	42	38	1	1	0.3	At 18h. 86	98	*
Hampstead Observatory	450	orm	bc	*	47	40	29	1	0.5	0.3	*	100	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.	Kew Observatory Max.	Time.	Min.	Time.
1.3	9h 27th	0.3	4-6h 28th	0.5	9h 27th	0.1	3h 28th

FOREIGN OBSERVATIONS.

18h. G.M.T. 27th November

Stations	Barom. mb.	Wind. Direc.	Wind. Force.	Weather	Temp. °F.
Paris	1021.3	SSW	4	c	48
Brussels	1009.9	S	4	c	45
Berlin	1014.3	SSE	3	o	37
Zürich	1019.0	SW	1	c	39
Rome	1012.9	SSE	4	c	61

7h. G.M.T. 28th November

Stations	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	1005.1	SSE	3	ro/o	46	50	39	2	?
Brussels	1008.4	SE	2	c	43	48	43	-	0.3
Berlin	1016.5	E	3	f	36	37	34	-	0.2
Zürich	1011.8	E	1	c	37	48	36	2	Tr
Rome						63		4	

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 48.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

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

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

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards
1 Thick fog	220 "
2 Fog	550 "
3 Moderate fog	1,100 "
4 Mist or haze	1¼ miles
5 Poor visibility	2¼ "
6 Moderate "	6¼ "
7 Good "	12¼ "
8 Very good "	31 "
9 Excellent "	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

SUNDAY 29th November 1931.

No. 25574

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

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) ...	1010·1	+20	NNE	2	c	48	85	4	5	-	-	9+	9+	450
	Croydon ...	1009·6	+20	ENE	2	c/f	46	95	4	5	-	-	9+	9+	450
	S. Farnborough	1010·0	+18	N'E	2	c	46	95	4	5	-	-	9+	9+	800
	Winchester ...	1009·8	+18	NNE	3	c	47	85	7	8	-	-	9	9	1500
	Boscombe Down	1010·3	+22	N'E	3	c	46	95	6	5	3	-	4-6	7-8	800
	Calshot, S'thmtn	1009·6	+20	N	3	c	48	85	7	5	3	-	7-8	9+	2500
	Dungeness ...	*	*	E	2	c	*	*	7	8	-	-	9	9	800
	Lympne ...	1009·3	+22	ENE	3	c	46	95	6	5	-	-	10	10	1500
2	Shoeburyness	1010·3	+24	E	3	c	49	85	7	5	1	-	7-8	9+	2500
	Felixstowe ...	1011·0	+24	E	3	r.r.	48	95	7	6	2	-	7-8	9+	800
	Gorleston ...	1011·2	+20	SE'E	3	bc	48	85	7	8	7	-	4-6	4-6	2500
	Cranwell ...	1012·2	+26	E'N	2	c	47	95	8	8	3	-	7-8	9	1500
3	Birmingham ...	1011·8	+20	NE	2	f	43	95	3	5	-	-	10	10	<150
	Upper Heyford	1011·1	+26	NE	4	o	45	95	6	5	-	-	10	10	800
	Leafield ...	1010·4	+14	NE	3	o	44	95	6	5	-	-	10	10	1500
4	Ross-on-Wye ...	1011·2	+14	NE'E	2	c	48	85	5	5	-	-	10	10	1500
5	Portland Bill...	1009·9	+14	NW'W	4	c	51	75	7	4	7	9	4-6	7-8	2500
	Plymouth ...	1011·2	+14	NW	1	c	51	85	8	4	5	1	7-8	7-8	4000
	Falmouth ...	1012·0	+14	N'W	2	c	52	85	8	8	3	-	4-6	7-8	4000
	Scilly (St. Mary's)	1012·7	+6	NNW	2	df	51	95	3	5	-	-	10	10	<150
	Guernsey ...	1009·9	+16	N'E	3	bc	52	85	8	8	4	-	4-6	4-6	2500
6	Pembroke ...	1012·3	+10	NW	2	c	50	95	8	4	6	-	4-6	7-8	1500
7	Holyhead ...	1011·9	+18	ENE	1	c	49	95	6	-	3	-	0	9+	-
	Chester (Sealand)	1012·1	+18	E'S	3	c	48	85	5	5	-	-	7-8	7-8	4000
8	L'pool (Bidston)	1011·6	+14	E	4	bc	47	85	4	5	-	-	4-6	4-6	2500
9	Harrogate ...	1013·2	+20	E'S	1	c	46	95	7	9	-	-	9+	9+	2500
10	Spurn Head ...	1012·4	+10	SE	3	bc	44	85	7	-	1	-	0	2-3	-
	Catterick ...	1013·6	+20	ENE	2	c	48	95	8	8	6	-	9	9+	1500
	Tynemouth ...	1014·7	+20	ESE	2	o	49	95	8	9	-	-	7-8	7-8	1500
11	Inchkeith ...	1014·4	+20	E	3	c	48	95	8	8	8	-	7-8	9	2500
	Leuchars ...	1014·9	+14	ESE	4	c	48	95	7	5	7	-	9	9+	1500
12	Renfrew ...	1014·3	+16	E'N	3	c	48	85	4	5	-	-	9+	9+	4000
	Eskdalemuir ...	1014·0	+48	E'S	4	c	47	85	7	5	-	-	10	10	1500
13A	Tiree ...	1011·1	+6	SE	5	c	49	85	8	5	7	6	2-3	9+	2500
13B	Stornoway ...	1011·2	+8	SE	3	bc	50	85	8	7	9	6	2-3	4-6	4000
15	Dalwhinnie ...	1014·3	+20	S	2	d.	42	95	7	4	4	-	4-6	10	800
	Aberdeen ...	1016·2	+8	SSE	4	bc	49	75	7	8	-	-	4-6	4-6	2500
	Wick ...	1015·6	+8	SE	5	bc	48	85	8	8	8	-	4-6	4-6	2500
16	Lerwick ...	1018·8	+10	SSE	4	cd.	47	85	6	6	2	-	4-6	10	800
17	Blacksod Point	1009·0	+4	-	0	cd	50	95	7	6	-	-	10	10	<150
18	Malin Head ...	1010·8	+8	SSE	2	bc	48	85	6	-	9	9	0	4-6	-
	Aldergrove ...	1012·2	+8	-	0	c	46	85	6	5	4	-	4-6	7-8	1500
	Donaghadee ...	1012·1	+16	SSE	2	c	48	85	7	5	-	-	7-8	7-8	1500
19	Birr Castle ...	1011·6	+14	S	2	c	48	85	7	-	7	-	0	10	-
20	Valentia Obsy.	1012·5	+6	WSW	3	o	55	95	6	5	-	-	10	10	800
	Roches Point...	1011·8	+16	S	2	dd	51	95	5	5	-	-	10	10	800

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

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)...	1015·2	+32	ENE	3	c	48	85	4	5	-	-	9+	9+	450	1	*
	Croydon ...	1014·7	+32	ENE	2	c	45	95	4	5	-	-	10	10	800	1	*
	S. Farnborough	1015·2	+30	NNE	1	o	46	95	5	5	-	-	10	10	800	1	*
	Winchester ...	1014·3	+22	NNE	2	c	44	95	7	5	-	-	10	10	1500	1	*
	Boscombe Down	1014·8	+24	N'E	2	bc	43	95	6	5	-	-	2-3	2-3	1500	1	*
	Calshot, S'thmtn	1014·1	+22	N'W	2	c	47	85	6	5	3	-	4-6	7-8	2500	0	0
	Dungeness ...	*	*	E	3	c	*	*	7	8	7	*	4-6	7-8	1500	*	2
	Lympne ...	1014·4	+30	NE	3	c/pr	45	95	6	8	-	-	10	10	1500	1	*
2	Shoeburyness	1014·8	+20	N'E	1	bc	44	95	8	5	-	-	4-6	4-6	4000	1	*
	Felixstowe ...	1015·6	+26	ENE	2	b	47	85	8	-	-	-	0	0	-	1	2
	Gorleston ...	1015·4	+14	E'S	3	c	48	85	7	4	-	-	7-8	7-8	2500	0	2
	Cranwell ...	1016·6	+28	E	1	b	43	95	5	-	4	-	0	Tr	-	1	*
3	Birmingham ...	1015·6	+26	ENE	2	o	45	95	4	5	-	-	10	10	450	1	*
	Upper Heyford	1015·6	+26	NE	3	c	44	95	6	5	-	-	7-8	7-8	800	1	*
	Leafield ...	1015·2	+20	NE	2	c	43	95	6	5	-	-	9+	9+	2500	1	*
4	Ross-on-Wye ...	1015·8	+16	NW	1	o	43	95	4	5	-	-	10	10	450	1	*
5	Portland Bill...	1013·9	+20	N	1	b	48	85	6	4	4	9	2-3	4-6	2500	1	3
	Plymouth ...	1014·5	+20	N	2	c	50	85	6	4	-	-	9	9	2500	1	0
	Falmouth ...	1014·3	+12	-	0	c	50	95	7	5	2	-	4-6	10	4000	1	0
	Scilly (St. Mary's)	1014·7	+10	E	2	d.d.	50	95	5	5	-	-	10	10	1500	1	1
	Guernsey ...	1013·9	+24	NNE	2	bc	50	85	7	1	-	-	2-3	2-3	4000	0	2
6	Pembroke ...	1013·8	+18	NW	1	bc	50	95	8	4	6	-	2-3	4-6	2500	0	1
7	Holyhead ...	1014·3	+16	ESE	1	bc	44	95	5	5	-	-	2-3	2-3	4000	1	1
	Chester (Sealand)	1016·1	+20	SE	1	bcf	43	95	3	-	3	-	0	4-6	-	1	*
8	L'pool (Bidston)	1016·0	+14	SE'S	3	c	45	85	5	5	-	-	7-8	7-8	2500	0	*
9	Harrogate ...	1017·4	+34	SE	1	b	43	95	7	-	-	-	0	0	-	1	*
10	Spurn Head ...	1016·2	+8	SE'E	3	c	48	95	7	4	4	-	4-6	7-8	2500	0	2
	Catterick ...	1017·7	+28	SSE	1	c	42	95	7	4	-	-	7-8	7-8	1500	1	*
	Tynemouth ...	1017·8	+20	SSE	3	bc	48	95	7	2	-	-	4-6	4-6	2500	0	2
11	Inchkeith ...	1016·3	+12	E	2	c	47	95	8	5	8	-	4-6	10	2500	0	2
	Leuchars ...	1016·6	+8	ESE	4	c	48	95	6	5	2	-	9+	10	800	2	*
12	Renfrew ...	1016·0	+12	E	2	c	44	95	4	5	-	-	9+	9+	4000	1	*
	Eskdalemuir ...	1016·6	+14	SE	3	c	45	85	7	5	-	-	10	10	1500	1	*
13A	Tiree ...	1011·0	0	SSE	6	c	49	85	6	6	2	-	7-8	10	2500	0	2
13B	Stornoway ...	1010·9	0	SSE	4	bc	50	85	8	4	4	-	2-3	4-6	4000	1	3
15	Dalwhinnie ...	1016·6	+10	S	4	d.	44	85	6	3	2	-	4-6	10	900	1	*
	Aberdeen ...	1017·7	+10	SE'S	4	c	49	85	7	5	-	-	9+	9+	1500	1	4
	Wick ...	1015·9	+6	SSE	6	c	48	95	8	8	1	-	7-8	10	1500	1	4
16	Lerwick ...	1019·2	+2	SSE	4	c	47	85	7	5	2	-	4-6	9+	1500	0	*
17	Blacksod Point	1008·6	-4	S	2	DD	53	95	5	6	-	-	10	10	<150	1	3
18	Malin Head ...	1010·8	-2	SSE	3	c	47	85	6	5	-	-	9+	9+	5700	0	2
	Aldergrove ...	1013·7	+6	SE'E	2	c	46	95	6	5	7	-	7-8	10	1500	1	*
	Donaghadee ...	1013·7	+6	SE	3	c	49	85	7	5	-	-	7-8	7-8	1500	0	2
19	Birr Castle ...	1012·5	+2	SE	1	cr.	46	95	7	6	-	-	10	10	2500	1	*
20	Valentia Obsy.	1012·7	+6	S'W	2	c	55	95	6	5	-	-	10	10	800	1	3
	Roches Point...	1012·8	+6	SE	3	cd	51	95	5	5	-	-	10	10	800	1	3

PAST 24 HOURS.

Stations.	Weather. 7h.–13h. 28th (37)	13h.–18h. 28th (38)	18h.–1h. 28th/29th (39)	1h.–7h. 29th (40)
London (Kew)...	ofcm	ofcm	cmcf	ofe
Croydon ...	bcoff	cmm.dm	cm.bf	bofe
S. Farnborough	cfr.bcc	cmir.o	ombf	offe
Winchester ...	cir.o	c	cbcbff	bff
Boscombe Down	bccm.	cocm.	cm.bf	bf
Calshot, S'thmtn	bcm.c	cbcm.	bcmfe	ofe
Dungeness ...	bc	bc	*	o
Lympne ...	r.r.dmc	cpr.	cpm.bm	bwcm
Shoeburyness	c	cbc	bc	bc
Felixstowe ...	cr.	cr.r.bcc	bw	bwbcc
Gorleston ...	orcbc	bc	cbco	cor.
Cranwell ...	Fer.	cb.cbw	bofe	bcfe
Birmingham ...	offf	ofm	ombf	bffe
Upper Heyford	cprbcc	ocm.	cmbcff	ffe
Leafield ...	co	c	cbf	cffo
Ross-on-Wye ...	bccm.	om	ombcfof	off
Portland Bill...	c	cbc3.	bbcc	cfw
Plymouth ...	o	bcmcm.	cm.d	cm.od.
Falmouth ...	bcc	cd.	cr.m.	ir.m.
Scilly (St. Mary's)	ccr.	dfdfc	d.ifc	cd.
Guernsey ...	ocbc	cbc	bcw	bcw
Pembroke ...	bc	bc	co	cdf
Holyhead ...	cm.	cbcm.	bccm.	cm., PK
Chester (Sealand)	cmm.	cmmbc	fcm.	com
L'pool (Bidston)	Ffbcm	bcmc	cm.oc	cm.w
Harrogate ...	oFc	cb	bof	off
Spurn Head ...	bc	boo	cbc	bccpr.
Catterick ...	ofcm.	cbcw	bcwom	of
Tynemouth ...	ocp.	cbc	bc	bccw
Inchkeith ...	c	c	ir.cbc	cir
Leuchars ...	cr.m.id	cm.pr.	cbcm.	cm.
Renfrew ...	bccm.m	cm	cmb	cr.r.
Eskdalemuir ...	cbco	c	cbc	bccr.
Tiree ...	bcc	c	cRR	RRc
Stornoway ...	bc	bc	bccr	cIR
Dalwhinnie ...	rc	rc	*	r
Aberdeen ...	bc	bcc	cpr.c	c
Wick ...	bc	boc	c	cr.r
Lerwick ...	oid.m.	oid.m.	c	cir.
Blacksod Point	cd	dd	cd	prc
Malin Head ...	cbc3.3.	bcc3.3.	cRcrrm	cirb
Aldergrove ...	cm.	cm.	c cr	crr
Donaghadee ...	c	c	c	crrc
Birr Castle ...	c	coir.	oir.	oircbcbx
Valentia Obsy.	r.r.o	oc	r.r.c	cbc
Roches Point...	codd	ddd.	dfdfo	ocpbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s., slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

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

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.

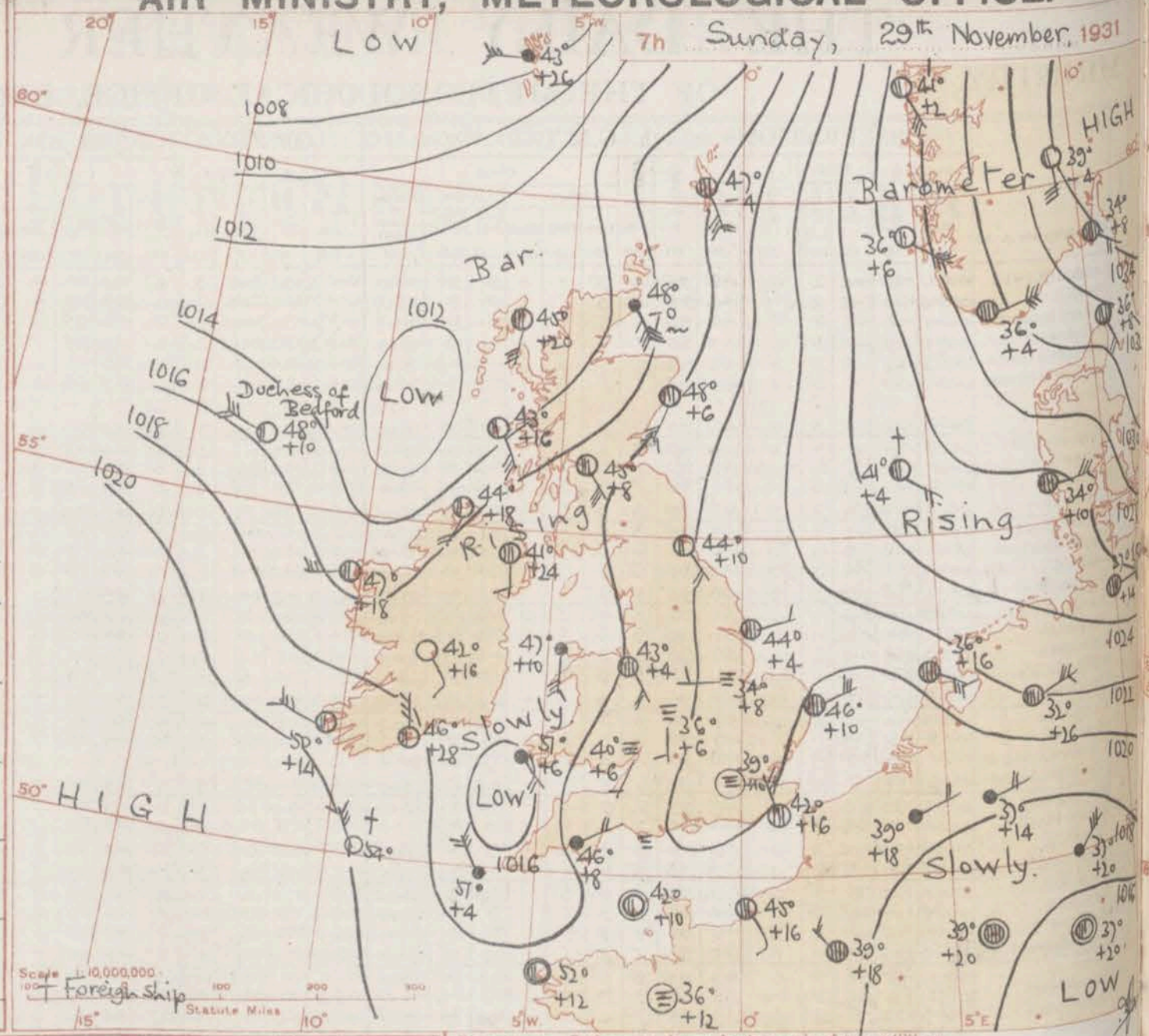
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 28th November 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 27th to 9h. 28th	Temperature. Max. 9h.—17h. 28th	Rainfall. Night. 17h. 27th to 9h. 28th	Rainfall. Day. 9h.—17h. 28th	Sunshine. Sunrise to Sunset. 28th
1	Tunbridge W.	mco	coc	37	48	0·3	-	0·1
	Bournemouth	co	oc	38	49	0·3	-	0·7
	Ventnor ...	orcu	uou	45	48	1	0·3	0·4
	Southsea ...	c	c	43	49	1	-	0·8
	Bognor Regis	bocbo	bc	42	50	0·3	-	2·8
	Littlehampton	bc	boc	40	50	Trace	-	3·2
	Worthing ...	bc	bcc	42	51	Trace	-	4·1
	Brighton ...	bc	bcc	43	50	0·3	-	3·7
	Eastbourne†	cmcir	ocodc	44	50	3	0·5	1·3
	Hastings† ...	cmor	oco	42	50	4	1	0·3
	Folkestone ...	rocd	odc	45	48	32	Trace	0·0
	Dover... ...	doc	cpo	46	49	21	1	0·0
	Deal	ro	oco	44	49	14	Trace	0·1
	Ramsgate ...	c	bc	45	49	1	-	0·3
	Margate ...	cd	c	44	49	1	Trace	0·1
2	Southend ...	cfbcz	bccz	41	49	0·2	-	1·2
	Maldon ...	čorč	urc	40	48	Trace	3	0·1
	Clacton-on-Sea	coro	cbcc	43	49	0·5	2	1·4
	Dovercourt ...	pbco	dbcc	42	48	1	Trace	1·3
	Lowestoft ...	obc	cbc	42	49	19	-	3·2
	Skegness ...	bc	bco	41	49	13	-	4·4
	Mablethorpe	bcb	cbc	42	49	10	-	4·0
	Cleethorpes ...	bc	bc	39	49	6	-	4·8
3	Leamington S.	ov	com	42	47	2	-	0·0
4	Cheltenham†	ofec	ofe	44	47	0·5	-	0·0
5	Bath	c	c	41	49	1	-	0·0
	Weymouth ...	c	cb	44	52	0·1	-	1·5
	Jersey ...	rc	bc	49	51	9	-	2·2
	Torquay ...	bcp	cbcm	43	54	0·5	-	2·6
	Penzance ...	c	cir	50	52	6	0·5	0·0
	St. Ives ...	op	op	47	55	5	0·5	0·0
	Bude	c	bc	49	52	1	-	3·0
	Ilfracombe ...	ocbo	bco	49	52	1	-	1·8
6	Aberystwyth	cpr	cbccm	48	52	1	-	1·2
7	Llandudno ...	cz	cz	45	48	0·3	-	0·0
	Colwyn Bay...	omo	omo	44	47	2	-	0·0
	Rhyl	cm	cm	43	48	0·4	-	0·0
8	Wallasey	obo	bcc	40	48	3	-	0·0
	Southport‖ ...	cbcoo	bccm	43	48	7	-	2·8
	Blackpool ...	obc	bcc	42	48	7	-	2·3
	Morecambe ...	bcbbc	b	41	50	5	-	2·5
9	Ilkley... ...	moc	cdc	40	48	5	Trace	0·0
10	Berwick-on-T.	o	o	41	49	3	-	0·2
11	Dunbar ...	omm	omm	42	49	3	0·3	0·4
12	Douglas ...	cbo	om	42	48	0·3	-	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 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. 29th. Nov. 1931.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Quiet and mainly fair apart from considerable fog locally, moderate temperature to rather cool; local ground frost inland at night.
5. S.W. England 6. South Wales 7. North Wales	Light to moderate variable or southerly wind; mainly cloudy; occasional rain or drizzle; local fog; moderate temperature.
8. N.W. England 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	Light to moderate southerly wind; mainly cloudy; occasional slight rain; moderate temperature.
15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate or fresh southerly winds; moderating; mainly cloudy; occasional slight rain; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 1 - 4.

C.K.K.

GENERAL INFERENCE.

Pressure is high from Russia to the Azores across South Eastern England, while secondaries to a low over Iceland are nearly stationary off our western coasts. Some rain or drizzle will fall in the West, but elsewhere weather will be mainly fair, apart from considerable fog locally.

FURTHER OUTLOOK.

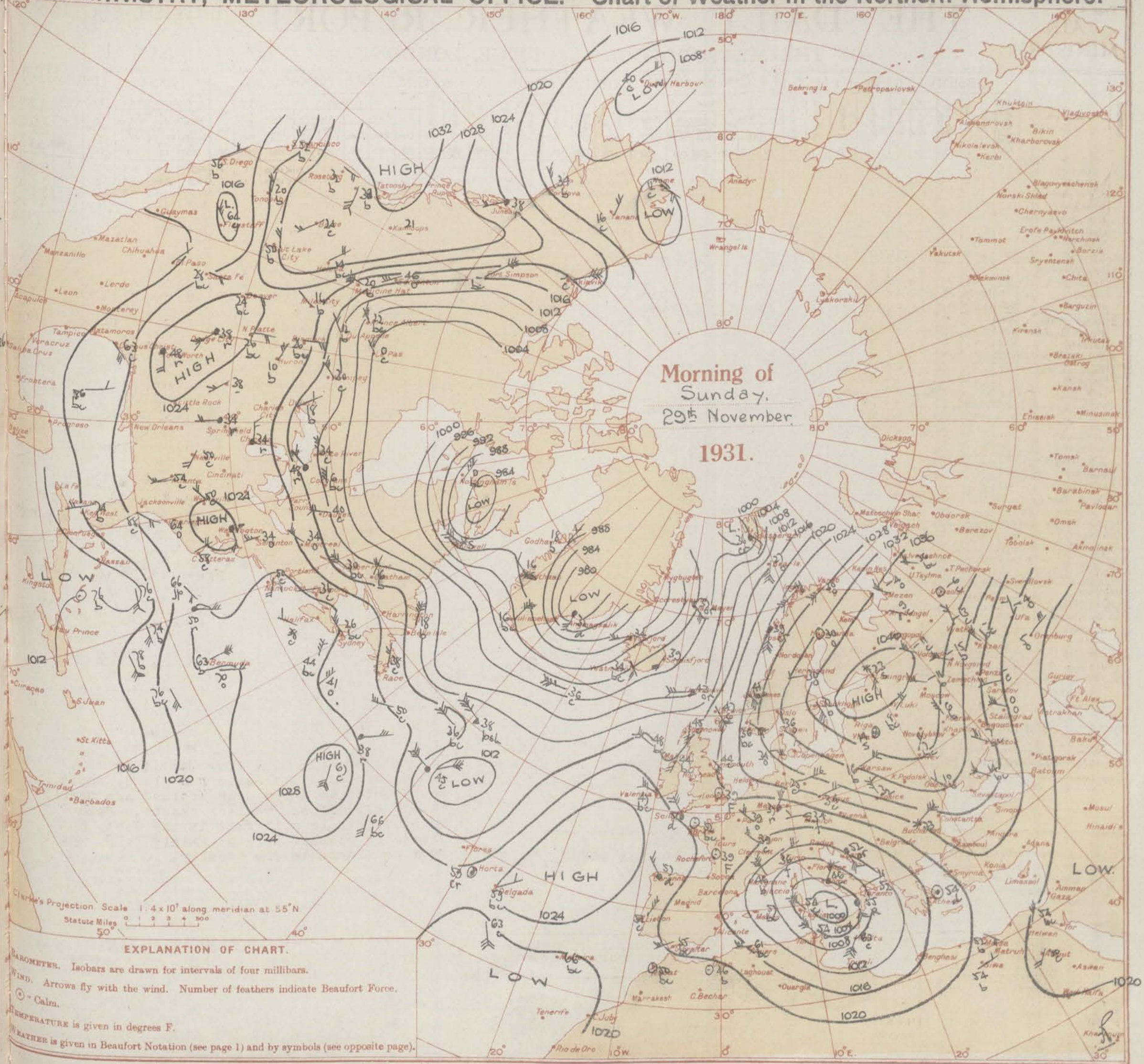
Quiet conditions with local fog.

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.

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, 29th. November, 1931.

No. 25574

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

District.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Cloud. Form. Med. (10)	Cloud. Form. High. (11)	Cloud. Amount. Low 0-10 (12)	Cloud. Amount. Total 0-10 (13)	Cloud. Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1018.5	+14	–	0	bF	36	95	1	–	–	–	0	0	–
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1018.2	+20	N'W	3	F	42	95	0	5	–	–	10	10	<150
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1017.8	+16	NNE	2	b	42	95	4	5	–	–	Tr	Tr	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1018.4	+4	ESE	2	c	46	95	7	4	2	–	4-6	9	2500
	Cranwell ...	240	1019.5	+10	ESE	1	cF	36	95	1	5	–	–	7-8	7-8	4000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1017.3	+10	NE	3	c	47	95	6	4	7	–	4-6	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1017.4	+4	SW'W	1	ir.	49	95	6	6	2	–	4-6	10	2500
	Scilly (St. Mary's)	163	1016.5	+4	W	3	c	52	95	6	5	–	–	9+	9+	4000
	Guernsey ...	175	1017.3	+14	–	0	bc	43	95	6	–	1	–	0	2-3	–
6	Pembroke ...	142	1016.2	0	SE	3	c	49	95	7	4	6	–	4-6	9+	1500
7	Holyhead ...	26	1015.0	-4	S'E	4	c	47	95	5	5	–	–	10	10	7200
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1018.6	+4	ESE	2	bc	46	95	7	–	1	9	0	4-6	–
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1018.2	+8	S	2	bc	45	95	7	2	–	–	4-6	4-6	2500
11	Inchkeith ...	190	1016.4	+2	ENE	3	c	45	85	7	5	3	–	4-6	9+	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1009.0	0	S	7	r	48	95	6	6	–	–	10	10	800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1013.8	-4	SE	6	c	49	85	8	8	2	–	7-8	10	1500
16	Lerwick ...	54	1017.7	-10	SE	6	c	47	85	7	5	2	–	4-6	9+	1500
17	Blacksod Point	18	1012.6	+12	W	2	bc	49	75	7	–	6	–	0	2-3	–
18	Malin Head ...	52	1012.0	+30	W	3	rr	46	95	6	6	2	–	9	10	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1016.3	+10	W	1	c	49	95	7	6	–	–	9	9	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Cloud. Form. Med. (24)	Cloud. Form. High. (25)	Cloud. Amount. Low. 0-10 (26)	Cloud. Amount. Total 0-10 (27)	Cloud. Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
London (Kew)...	1020.8	+10	–	0	F	37	95	1	5	–	–	10	10	<150	1	*
Croydon ...	1020.3	+10	–	0	F	39	95	0	5	–	–	10	10	<150	1	*
S. Farnborough	1020.3	+12	–	0	F	38	95	1	5	–	–	10	10	<150	1	*
Winchester ...	1019.9	+8	–	0	bf	37	95	2	–	–	–	0	0	–	1	*
Boscombe Down	1019.7	+10	N	1	bF	37	95	1	–	–	–	0	0	–	1	*
Calshot (S'thmtn)	1019.7	+20	NW'N	2	F	40	95	1	5	–	–	10	10	<150	1	1
Dungeness ...	*	*	NW'N	2	c	*	*	5	8	–	*	9+	9+	1500	*	0
Lympne ...	1019.8	+16	N'W	3	c	42	95	4	5	1	–	7-8	10	2500	1	*
Shoeburyness	1020.3	+14	NW'N	2	c	38	95	7	5	–	–	7-8	7-8	4000	1	*
Felixstowe ...	1020.1	+8	N'W	2	c	41	95	7	5	2	–	4-6	10	4000	1	1
Gorleston ...	1019.4	+10	E'N	3	c	46	95	6	5	–	–	10	10	2500	1	3
Cranwell ...	1020.9	+8	W	1	bef	34	95	2	–	7	6	0	4-6	–	1	*
Birmingham ...	1020.4	+6	S	1	bF	36	95	1	–	–	–	0	0	–	1	*
Upper Heyford	1020.6	+12	E	2	F	35	95	1	5	–	–	10	10	<150	1	*
Leafield ...	1020.2	+10	–	0	F	33	95	1	5	–	–	10	10	<150	1	*
Ross-on-Wye ...	1019.5	+6	SW	1	of	40	95	2	5	–	–	10	10	220	1	*
Portland Bill...	1018.8	+6	NE	3	cf.	46	95	3	5	7	9	2-3	7-8	1500	1	2
Plymouth ...	1018.3	+8	E'N	2	id.	46	95	6	5	–	–	10	10	800	1	2
Falmouth ...	1017.6	+4	SSW	2	ir.	52	95	7	6	2	–	4-6	10	2500	1	1
Scilly (St. Mary's)	1017.2	+4	NNW	5	dd	51	95	6	5	–	–	10	10	1500	1	2
Guernsey ...	1019.2	+10	–	0	bc	42	95	7	5	4	–	2-3	4-6	2500	0	2
Pembroke ...	1015.9	+6	SE	2	DDf	51	95	3	5	–	–	10	10	<150	1	2
Holyhead ...	1017.0	+10	S	4	ir.	47	95	6	6	2	–	9+	10	800	1	2
Chester (Sealand)	1018.7	+4	SSE	2	o	43	95	4	5	–	–	10	10	1500	1	*
L'pool (Bidston)	1018.5	+2	SE	3	c	42	95	5	5	–	–	9+	9+	1500	1	*
Harrogate ...	1020.4	0	SSE	1	F	42	95	1	5	–	–	10	10	<150	1	*
Spurn Head ...	1020.1	+4	E	1	c	44	95	6	3	4	1	2-3	7-8	4000	1	2
Catterick ...	1019.9	+12	S	3	of	42	95	3	5	–	–	10	10	450	1	*
Tynemouth ...	1019.2	+10	SSE	2	c	44	95	6	6	–	–	7-8	7-8	1500	1	2
Inchkeith ...	1017.2	+6	SE	3	ir	45	85	7	6	–	–	10	10	2500	1	3
Leuchars ...	1017.1	+2	SE	4	c	46	85	6	5	1	–	9+	10	1500	2	*
Renfrew ...	1016.9	+8	SSE	3	c/r	45	95	6	5	2	–	7-8	10	1500	1	*
Eskdalemuir ...	1018.0	+4	SSE	2	ir.	41	95	7	5	2	–	2-3	10	1500	1	*
Tiree	1014.2	+16	S'E	3	bc	43	95	8	3	4	–	2-3	2-3	1500	1	2
Stornoway ...	1012.8	+20	S	3	c	45	95	8	8	–	–	7-8	7-8	2500	1	2
Dalwhinnie ...	1014.5	+6	SE	3	r	41	95	6	3	2	–	4-6	7-8	1500	1	*
Aberdeen ...	1018.0	+6	SSW	4	c	48	85	8	5	2	–	7-8	10	1500	1	3
Wick	1014.0	0	SSE	6	r.r.	48	85	8	9	2	–	7-8	10	1500	1	4
Lerwick ...	1017.1	-4	SSE	5	c	47	85	7	5	2	–	4-6	9+	1500	1	*
Blacksod Point	1015.9	+18	W	3	bc	47	75	7	3	–	–	2-3	2-3	800	0	3
Malin Head ...	1016.0	+18	SSW	2	bc	44	95	8	2	–	–	2-3	2-3	2500	1	1
Aldergrove ...	1017.4	+24	S	1	c	41	95	5	5	7	–	2-3	7-8	1500	1	*
Donaghadee ...	1016.0	+20	SSW	2	c	45	95	7	6	–	–	7-8	7-8	1500	1	1
Birr Castle ...	1017.1	+16	SE	1	b	42	95	8	–	–	–	0	0	–	1	*
Valentia Obsy.†	1019.7	+14	WNW	4	bc	50	65	8	8	–	–	2-3	2-3	2500	1	–
Roches Point...	1018.2	+28	N	3	bc	46	95	8	5	–	–	2-3	2-3	2500	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 28th. Hrs. (36)
London (Kew)...	49	34	28	0.3	Tr.	0.1
Croydon ...	48	36	32	Tr.	0.1	0.0
S. Farnborough	47	35	28	Tr.	0.1	1.0
Winchester ...	48	36	32	Tr.	Tr.	1.8
Boscombe Down	47	35	31	-	0.2	*
Calshot (S'thmtn)	48	39	31	-	Tr.	0.6
Dungeness ...	50	36	*	1	Tr.	*
Lympne ...	46	35	31	3	0.1	0.0
Shoeburyness	49	35	33	-	Tr.	0.4
Felixstowe ...	49	38	33	0.3	-	1.4
Gorleston ...	50	45	41	0.3	0.1	1.6
Cranwell ...	49	33	30	0.1	0.1	1.6
Birmingham ...	45	35	31	Tr.	Tr.	0.0
Upper Heyford	46	33	30	1	-	*
Leafield ...	47	32	30	-	0.1	1.7
Ross-on-Wye ...	48	39	30	-	-	0.0
Portland Bill...	52	43	*	-	-	*
Plymouth ...	52	41	38	-	0.1	0.7
Falmouth ...	52	49	*	Tr.	0.1	0.4
Scilly (St. Mary's)	52	50	*	2	1	0.0
Guernsey ...	53	41	31	-	-	1.8
Pembroke ...	52	47	*	-	5	2.0
Holyhead ...	50	43	38	-	2	0.8
Chester (Sealand)	48	40	34	-	-	0.6
L'pool (Bidston)	47	41	38	-	-	0.5
Harrogate ...	47	42	38	-	-	0.3
Spurn Head ...	48	42	*	-	Tr.	4.5
Catterick ...	48	41	37	Tr.	Tr.	*
Tynemouth ...	50	43	38	0.2	Tr.	*
Inchkeith ...	50	44	39	-	0.2	1.1
Leuchars ...	49	43	36	0.5	-	0.0
Renfrew ...	49	37	28	-	3	0.0
Eskdalemuir ...	47	38	32	*	0.1	0.4
Tiree	50	42	38	-	10	0.8
Stornoway ...	50	44	*	-	4	4.2
Dalwhinnie ...	44	40	39	Tr.	2	0.4
Aberdeen ...	49	47	46	-	Tr.	0.6
Wick	48	47	*	-	Tr.	*
Lerwick ...	47	45	*	Tr.	Tr.	0.0
Blacksod Point	54	44	*	1	2	*
Malin Head ...	48	41	*	-	15	1.7
Aldergrove ...	46	41	34	-	7	1.2
Donaghadee ...	50	44	*	-	7	*
Birr Castle ...	49	41	29	0.5	4	0.0
Valentia Obsy.†	55	47	39	2	4	0.0
Roches Point...	52	45	*	4	3	*

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather Morning. (24 hrs. ended 9h.)	Weather Afternoon. (24 hrs. ended 9h.)	Weather Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
KEW	18	ofcm	ofcm	cmfofe	49	34	28	0.3	Tr.	0.1	*	*	1
CROYDON	217	bcoff	cmmdm	cmbfofe	48	36	32	Tr.	0.1	0.0	*	*	0
GREENWICH (Royal Observatory) ...	149	cfm	cpm	cbmcfe	48	33	26	Tr.	Tr.	0.0	89	98	0
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	48	38	31	–	–	0.1	83	95	*
REGENTS PK. (Botanic Gardens) ...	168	*	*	*	*	*	*	*	*	0.0	*	*	*
CAMDEN SQUARE	110	bo	c	*	48	37	32	–	–	*	*	100	*
KENSINGTON	80	cbcc	cbcb	*	48	37	33	–	Tr.	0.1	At 18h. 86	*	*
HAMPSTEAD OBSERVATORY	450	of	bcod	bcmS	47	33	26	0.1	0.1	0.1	*	92	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 29th

SOUTH KENSINGTON. Max.	Time.	Min.	Time.
1.0	21h. 28m.	0.3	4h. 29m.

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0.8	23h. 28m.	0.2	6h. 29m.

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 28th. November. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 29th. November. 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	1011.3	NE	2	c/d	45	1019.4	WNW	2	0	39	46	37	1	-
BRUSSELS	1013.0	NNE	4	bc	43	1018.6	ENE	2	id.	39	48	39	0.1	1
BERLIN						1025.3	E	4	c	25		23		-
ZURICH	1008.4	NE	1	c	37						45		-	
ROME	1007.0	S	3	b	50	997.9	NE	3	rr	48	59	43	-	8

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

TERMS OF SUBSCRIPTION. { Single Copies, 1d. each; by post 1½d. 2/6 per month; 8/6 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

Monday, 30th November 1931.

No. 25,575.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	1022.2	0	WSW	2	F	38	95	0	-	-	-	10	10	<150
	Croydon	1021.9	+4	-	0	F	40	95	0	·	·	·	10	10	<150
	S. Farnborough	1021.8	+2	-	0	F	40	95	1	·	·	·	10	10	<150
	Winchester	1021.4	+2	NNE	1	f	41	95	2	·	·	·	10	10	<150
	Boscombe Down	1021.4	0	E	1	F	40	95	1	·	·	·	10	10	<150
	Calshot, S'thmtn	1021.2	+4	NW	1	f	43	95	3	-	-	-	0	0	-
	Dungeness	*	*	N	2	c	*	*	6	4	3	*	7-8	9	2500
	Lympne	1020.7	0	N	3	c	44	95	5	5	-	-	10	10	4000
2	Shoeburyness	1021.1	0	NNW	2	c	47	95	7	5	6	-	4-6	7-8	4000
	Felixstowe	1021.5	+2	N	2	d.d.	44	95	4	5	-	-	10	10	450
	Gorleston	1021.2	+10	E'N	1	c	46	95	6	4	-	-	10	10	2500
	Cranwell	1022.1	+2	-	0	F	40	95	1	·	·	·	10	10	<150
3	Birmingham	1021.8	+2	S	1	F	40	95	1	·	·	·	10	10	<150
	Upper Heyford	1022.3	+12	-	0	F	38	95	1	·	·	·	10	10	<150
	Leafield	1021.7	+10	SSE	1	F	39	95	1	-	-	-	0	0	-
4	Ross-on-Wye	1020.6	+4	E'N	2	f	42	95	3	5	-	-	10	10	220
5	Portland Bill	1020.5	+4	E'N	2	c	48	95	5	8	4	-	4-6	7-8	1500
	Plymouth	1020.1	+6	E	3	c	51	95	6	5	-	-	10	10	1500
	Falmouth	1019.5	+4	S'E	1	rr	53	95	6	5	-	-	10	10	2500
	Scilly (St. Mary's)	1020.8	+8	NNW	4	c	51	95	7	2	-	-	7-8	7-8	4000
	Guernsey	1020.7	0	SSW	2	c	52	85	6	8	2	-	4-6	9+	2500
6	Pembroke	1019.3	+8	E	2	id.	50	95	3	·	·	·	10	10	<150
7	Holyhead	1019.6	+6	NW'N	3	pc	50	95	6	9	3	-	9+	9+	1500
	Chester (Sealand)	1020.4	0	SE'S	3	o	44	95	5	5	-	-	10	10	1500
8	L'pool (Bidston)	1020.3	+6	SE	3	c	44	95	5	5	-	-	9+	9+	1500
9	Harrogate	1021.4	+6	SSE	1	f-	42	95	3	5	-	-	10	10	<150
10	Spurn Head	1021.6	+2	-	0	c	46	95	5	5	4	9	4-6	7-8	1500
	Catterick	1021.1	+2	SSE	4	m	43	95	4	5	-	-	10	10	450
	Tynemouth	1020.3	0	S	2	bc	45	85	6	2	-	-	4-6	4-6	2500
11	Inchkeith	1019.2	+4	SE	2	id.	45	95	4	5	-	-	10	10	2500
	Leuchars	1018.9	+4	SSE	1	ic.	45	85	7	5	1	-	7-8	10	2500
12	Renfrew	1019.5	+14	W	1	bc	49	85	5	5	8	-	2-3	2-3	1500
	Eskdalemuir	1019.8	+4	S	2	d.d.	42	95	5	5	-	-	10	10	220
13A	Tiree	1017.8	+12	SW'S	1	pr	49	85	8	3	7	3	4-6	7-8	1500
13B	Stornoway	1017.0	+12	-	0	bc	46	95	8	7	-	5	4-6	4-6	2500
15	Dalwhinnie	1018.7	+14	S	1	c	44	95	8	2	-	-	4-6	(4-6)	800
	Aberdeen	1019.4	+6	SSE	2	c	47	85	7	8	2	-	7-8	9+	1500
	Wick	1017.4	+18	SSW	4	c	47	85	8	8	1	-	7-8	10	2500
16	Lerwick	1017.6	+10	S	4	ir.	48	85	6	6	2	-	7-8	9+	1500
17	Blacksod Point	1021.1	+20	W	3	bc	50	65	8	4	-	-	4-6	4-6	800
18	Malin Head	1018.8	+14	SW	2	b	49	85	8	2	8	-	1	1	4000
	Aldergrove	1020.4	+10	SSW	1	f	43	95	2	5	-	-	9	9	800
	Donaghadee	1019.2	+12	W	1	bc	49	85	7	5	-	-	2-3	2-3	1500
19	Birr Castle	1020.9	+8	WSW	1	bc	49	85	8	-	-	4	0	2-3	-
20	Valentia Obsy.	1023.0	+8	W	3	bc	51	65	8	2	-	9	2-3	4-6	2500
	Roches Point	1021.8	+10	N	2	bc	50	75	8	5	-	-	2-3	2-3	2500

OBSERVATIONS at 18h. G.M.T. 29th November

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)	1024.0	+14	SW	1	F	37	95	1	·	·	·	10	10	<150	1	*
	Croydon	1023.4	+14	WSW	1	F	38	95	0	·	·	·	10	10	<150	1	*
	S. Farnborough	1023.5	+18	-	0	F	38	95	1	·	·	·	10	10	<150	1	*
	Winchester	1023.5	+16	NNE	1	f	37	95	2	·	·	·	10	10	<150	1	*
	Boscombe Down	1022.7	+10	E	2	F	37	95	1	·	·	·	10	10	<150	1	*
	Calshot, S'thmtn	1023.0	+16	NNW	2	F	41	95	0	·	·	·	10	10	<150	1	0
	Dungeness	*	*	NNW	13	m	*	*	4	5	-	*	10	10	2500	*	0
	Lympne	1022.5	+14	N	2	df	44	95	3	6	-	-	10	10	220	1	*
2	Shoeburyness	1022.9	+10	NNE	1	id.	45	95	5	5	-	-	10	10	450	1	*
	Felixstowe	1023.2	+8	N	1	m	43	95	4	5	-	-	10	10	450	1	1
	Gorleston	1022.5	+6	E	2	d.d.	43	95	6	6	-	-	10	10	1500	1	3
	Cranwell	1024.0	+16	W'N	1	F	39	95	1	·	·	·	10	10	<150	1	*
3	Birmingham	1023.2	+10	SSE	1	Nf	37	95	02	·	·	·	10	10	<150	1	*
	Upper Heyford	1024.4	+20	E	1	F	35	95	1	·	·	·	10	10	<150	1	*
	Leafield	1023.2	+10	SE'S	1	F	35	95	1	·	·	·	10	10	<150	1	*
4	Ross-on-Wye	1023.4	+10	E	2	f	41	95	3	5	-	-	10	10	220	1	*
5	Portland Bill	1022.1	+12	E'N	2	f	49	95	2	5	2	-	7-8	10	1500	1	2
	Plymouth	1021.8	+16	N'W	4	dr	45	95	5	6	-	-	10	10	450	1	0
	Falmouth	1021.9	+10	NNW	4	c	49	95	7	5	3	-	4-6	7-8	4000	1	2
	Scilly (St. Mary's)	1023.3	+14	NNW	5	b	48	75	7	1	-	-	1	1	4000	1	3
	Guernsey	1022.0	+14	-	0	0	49	95	6	5	-	-	10	10	1500	0	1
6	Pembroke	1021.4	+20	N	3	bc	48	95	8	2	-	-	2-3	2-3	1500	1	2
7	Holyhead	1022.1	+16	NW'N	3	c	50	95	8	5	-	-	9	9	4000	1	1
	Chester (Sealand)	1022.7	+12	SSE	2	dd	42	95	4	5	-	-	10	10	800	2	*
8	L'pool (Bidston)	1022.4	+12	SE'S	3	dm	42	95	4	5	-	-	10	10	800	1	*
9	Harrogate	1023.0	+6	-	0	F	41	95	1	·	·	·	10	10	<150	1	*
10	Spurn Head	1022.8	+4	SE'E	3	o	46	95	6	5	-	-	10	10	1500	0	3
	Catterick	1022.9	+10	S'E	3	f	40	95	2	·	·	·	10	10	<150	1	*
	Tynemouth	1021.8	+8	SW	2	o	43	95	6	6	-	-	10	10	1500	0	2
11	Inchkeith	1021.8	+14	W	2	c	44	95	6	5	7	-	4-6	7-8	1500	0	2
	Leuchars	1021.0	+14	-	0	c	43	95	6	5	-	-	9+	9+	1500	2	*
12	Renfrew	1021.9	+14	SE	1	m/f	35	95	4	-	-	-	0	0	-	1	*
	Eskdalemuir	1022.4	+14	SSW	1	f	41	95	2	5	-	-	10	10	<150	1	*
13A	Tiree	1020.4	+16	WNW	1	b/PR	42	95	8	3	4	-	1	1	1500	1	2
13B	Stornoway	1019.0	+10	-	0	bc	42	95	8	8	2	-	2-3	4-6	4000	1	0
15	Dalwhinnie	1022.3	+16	SSE	2	bc	36	95	8	5	-	-	2-3	2-3	2500	0	*
	Aberdeen	1021.3	+10	SSW	2	c	45	95	6	5	-	-	10	10	4000	1	1
	Wick	1019.7	+16	SW	2	c	44	95	8	8	4	8	4-6	7-8	1500	1	3
16	Lerwick	1019.2	+10	S	2	ir.	47	95	6	6	2	-	7-8	9+	1500	1	*
17	Blacksod Point	1023.1	+14	S	3	bc	44	75	8	5	-	-	4-6	4-6	800	0	2
18	Malin Head	1021.4	+14	SW	1	bc	46	95	8	2	-	-	2-3	2-3	4000	0	1
	Aldergrove	1022.7	+10	-	0	F	40	95	1	·	·	·	10	10	<150	1	*
	Donaghadee	1022.4	+16	W	1	b	40	95	6	-	-	-	0	0	-	0	0
19	Birr Castle	1023.6	+14	SW	1	bc	40	95	8	5	-	9	2-3	4-6	2500	1	*
20	Valentia Obsy.	1025.0	+14	-	0	bc	44	75	8	5	3	2	2-3	4-6	4000	1	3
	Roches Point	1023.9	+12	N	3	bc	47	85	8	5	-	-	2-3	2-3	2500	0	2

PAST 24 HOURS.

Stations	Weather. 7h.–13h. 29th (37)	13h.–18h. 29th (38)	18h. 29th to 1h. 30th (39)	1h.–7h. 30th (40)
London (Kew)	oFe	oFe	oFe	ofeof
Croydon	oFeFe	oFefe	oFe	oFe
S. Farnborough	oFe	oFe	oFe	oFfe
Winchester	bff	fefe	fefe	ffomid.
Boscombe Down	bFF	FF	FFc	cddmo
Calshot, S'thmtn	FFe	bffe	offebcm	cm.ide
Dungeness	f	c	·	f
Lympne	cm.	od.d.f	od.cf	coff
Shoeburyness	bcm.	cid.	oid.m.	bcm.
Felixstowe	od.m	od.d.m	om	om
Gorleston	c	cod.d.	od.d.	od.
Cranwell	bofe	oFe	Fefe	fecm.
Birmingham	FF	fefe	fof	ofcf
Upper Heyford	FF	FFe	Ffx	ffDD
Leafield	oFFb	bFFoe	oFFe	cffrr.
Ross-on-Wye	oFF	off	dfrrf	ofcfF
Portland Bill	cfcm.	cff	ffr.fm.	rrrrrff
Plymouth	od.cm.	cm.odmc	omrrc	cow
Falmouth	or.m.r	orrm.c	cbc	bcc
Scilly (St. Mary's)	oid.c	cbc	bbcc	cbc
Guernsey	bcwcm	bccow	ocbc	bccw
Pembroke	cfd	bc	cbc	bc
Holyhead	ic.cpc	c	cbcb	bbcc
Chester (Sealand)	od.d.m	od.d.m	dd.f	d.FFe
L'pool (Bidston)	wofcm	cmd.	mid.d	id.Fe
Harrogate	ocFf	offF	FFir	c
Spurn Head	cFm3	co	oF	DFif
Catterick	ofcm.m	omfpr	ofd.r.r.	ofec
Tynemouth	cbc	co	oir.	om.bc
Inchkeith	rrc	cm.	bccmm	om.
Leuchars	cm.ir.	cir.d.d.m	cbwm.w	bccwm.
Renfrew	ir.d.c	bm.if	bifeffe	cffe
Eskdalemuir	crrud.d.	od.d.off	od.off	offc
Tiree	bbcjp	pRbc	bbcw	bcc
Stornoway	cbc	bcpcc	cbc	bc
Dalwhinnie	r	bc	·	bc
Aberdeen	c	cpr.c	c3.bc	bc
Wick	cr.r	c	bcc	cbc
Lerwick	cir.	cir.	cir.	cpr.
Blacksod Point	cbc	bc	bc	prbc
Malin Head	bcb	bbc	bcb	bbcx
Aldergrove	bcoff	offe	bfefe	bfefe
Donaghadee	cbcb	bm.	bm.	b
Birr Castle	bbc	bc	bc	bcbx
Valentia Obsy.	bccbc	bcc	bcc	pr.bcb
Roches Point	bc	bc	bcb	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.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s., slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t. thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

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

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 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.

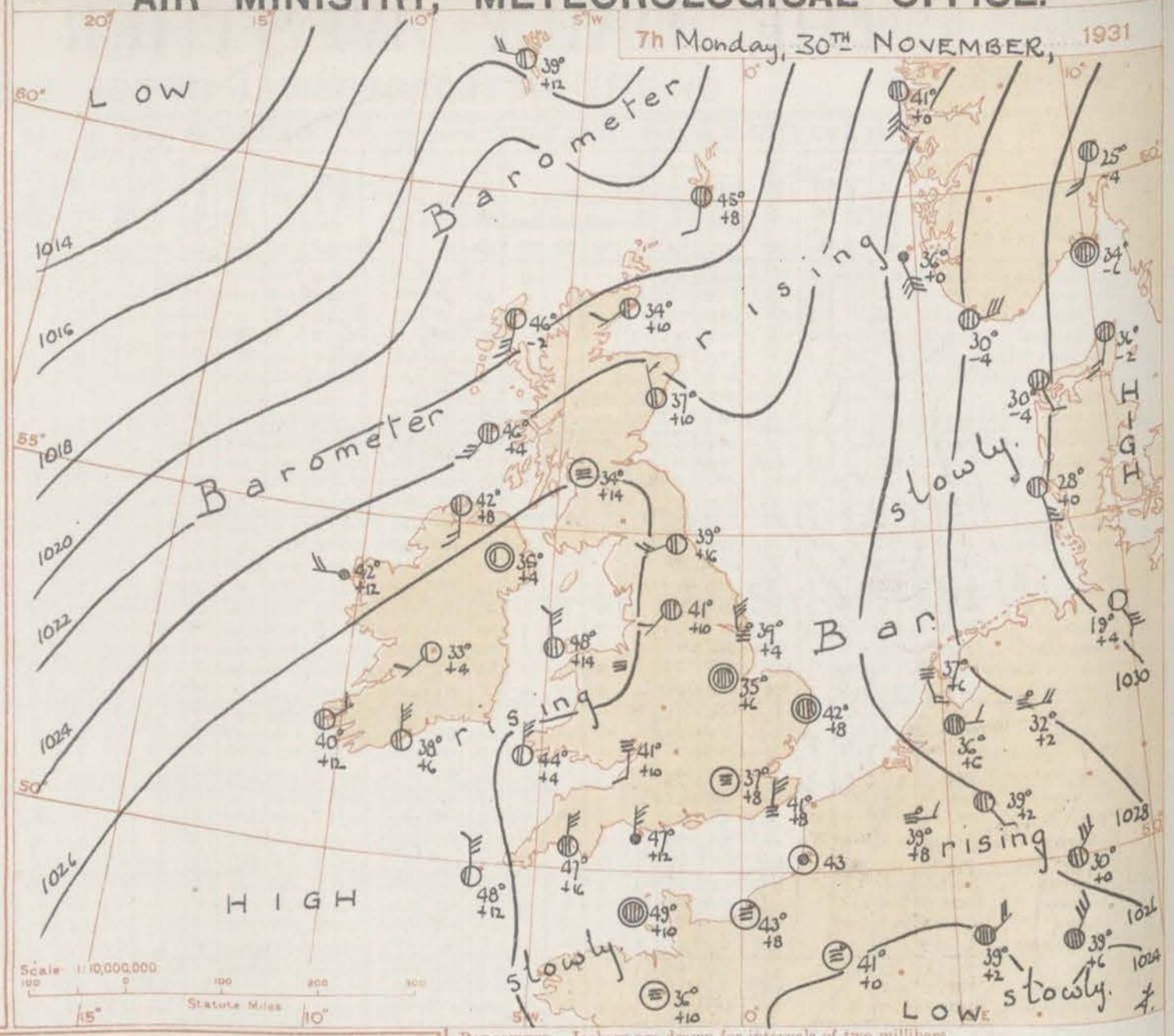
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 29th NOVEMBER 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 28th to 9h. 29th	Temperature. Max. 9h.—17h. 29th	Rainfall. Night. 17h. 28th to 9h. 29th	Rainfall. Day. 9h.—17h. 29th	Sunshine. Sunrise to Sunset 29th
1	Tunbridge W.	mb	bbcm	30	46	Trace	-	6·8
	Bournemouth	fe	fe	37	42	Trace	Trace	0·0
	Ventnor ...	bcb	bbcz	43	52	-	-	5·1
	Southsea ...	bfb	b	36	48	-	-	4·6
	Bognor Regis	b	b	39	51	-	-	6·9
	Littlehampton	bc	bc	37	44	-	-	5·4
	Worthing ...	b	b	40	47	-	-	6·6
	Brighton ...	mbcb	bm	38	49	-	-	4·8
	Eastbourne†	mbcb	bm	37	50	Trace	-	6·6
	Hastings† ...	bccbc	bcc	41	49	0·2	-	4·8
	Folkestone ...	om	om	42	47	-	-	0·0
	Dover... ...	fod	dro	43	47	-	0·5	0·0
	Deal	oro	ro	42	47	-	4	0·0
	Ramsgate ...	odf	df	44	47	-	2	0·0
	Margate ...	cd	cd	43	47	-	1	0·0
2	Southend ...	bccf	cof	37	47	Trace	-	1·5
	Maldon ...	mc	bcco	33	47	-	-	0·9
	Clacton-on-Sea	ccgmc	ogmc	40	45	-	-	0·0
	Dovercourt ...	xcm	dcm	40	44	Trace	0·4	0·0
	Lowestoft ...	bcco	oid	44	46	-	0·3	0·0
	Skegness ...	bcm	bcom	40	49	Trace	-	1·8
	Mablethorpe	bcc	bco	33	48	Trace	-	3·2
	Cleethorpes ...	feb	bcf	36	47	Trace	Trace	2·8
3	Leamington S.	of	of	38	39	-	-	0·0
4	Cheltenham†	ofec	cofe	35	42	Trace	-	0·8
5	Bath	fmc	cmf	38	42	-	-	0·0
	Weymouth ...	tfm	mc	39	46	-	-	0·0
	Jersey ...	bcf	bc	40	54	-	-	6·3
	Torquay ...	cwfoz	odrom	41	52	-	Trace	0·0
	Penzance ...	om	omcpr	48	53	4	0·2	0·4
	St. Ives ...	d	c	48	53	3	0·3	0·0
	Bude	d	d	40	52	1	2	0·0
	Ilfracombe ...	oc	codf	43	53	-	0·1	0·1
6	Aberystwyth	cmcm	cmoid	43	48	-	4	0·0
7	Llandudno ...	cromd	oro.r	42	50	0·2	3	0·0
	Colwyn Bay...	p	prr	38	50	-	2	0·0
	Rhyl	o	oG	42	49	-	1	0·0
8	Wallasey ...	co	oro	42	54	-	0·3	0·0
	Southport‖ ...	co	ro	40	44	-	1	0·0
	Blackpool ...	co	od	42	45	-	0·2	0·0
	Morecambe ...	odpc	crdcor	43	47	-	0·5	0·0
9	Ilkley... ...	c	cm	41	44	-	-	0·0
10	Berwick-on-T.	oroG	O	43	45	-	0·1	0·0
11	Dunbar ...	orrm	cgm	43	46	0·5	1	0·0
12	Douglas ...	cbc	bccb	43	50	4	-	2·0

† 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 4/10 clouded. ◑ Sky 4/10 to 7/10 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.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 30th Nov. 1931.

Districts.	Forecasts
1. S.E. England 2. E. England... 3. E. Midlands	Wind variable or northerly, light; fog in places, clearing during day but recurring at night; rather low or moderate temperature; local night frost.
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 northerly, light or moderate, probably backing later; mainly fair, with bright periods; perhaps local fog at night; moderate day temperature, local night frost.
11. S.E. Scotland	Wind west or southwest, backing later, moderate; variable sky; perhaps showers; 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.	Wind southwest or south, moderate or fresh, stronger later in exposed places; variable sky and showers at first; probably cloudier with rain later; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind variable becoming southwest or south, moderate or fresh, strong locally: bright periods at first; cloudier and perhaps some rain later; moderate temperature.

GENERAL INFERENCE.

A belt of high pressure covers most of the British Isles. A depression westward of Ireland will move northeast giving rise to unsettled weather in northwestern and northern districts, but mainly dry weather is probable elsewhere. Fog in England is likely to clear somewhat during the day but to recur towards night.

FURTHER OUTLOOK.

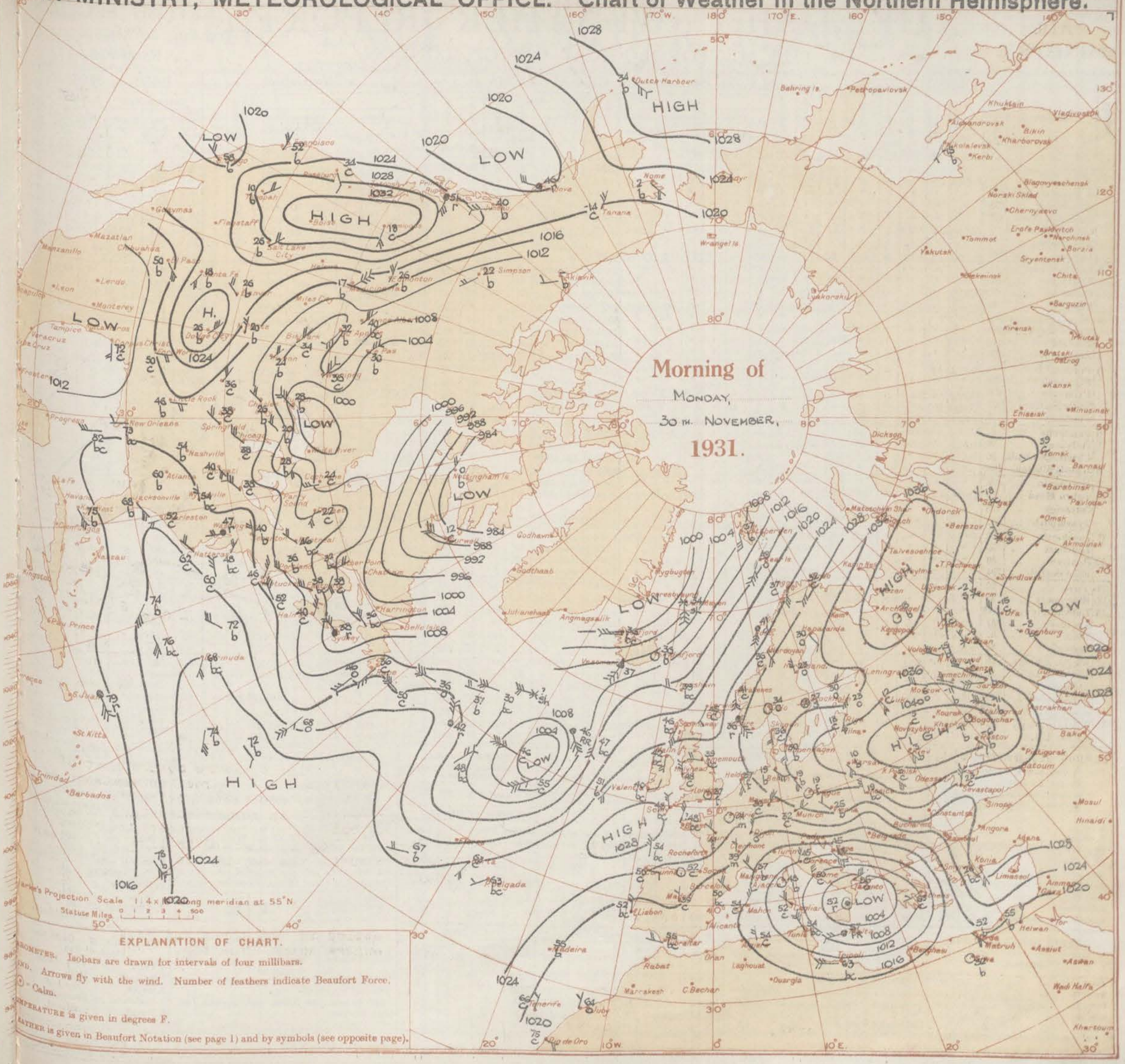
Unsettled in the North and West; mainly fair elsewhere apart from fog.

Forecasts issued at 0950 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

Monday, 30th November, 1931.

No. 25,575

District.	Stations.	Height above M.S.L. in feet.	OBS. at 1 hr. G.M.T. 30th November: 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)	OBS. at 7 hr. G.M.T. 30th November: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)	PAST 24 HOURS. 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 29th hrs. (36)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1026.4	+10	NNW	1	f	35	95	2	5	-	-	10	10	4150	1	*	39	34	35	0.1	0.2	0.0
	Croydon ...	217	1024.7	+4	-	0	F	37	95	1	5	-	-	10	10	4150	1025.7	+8	-	0	f-	37	95	2	5	-	-	10	10	4150	1	*	40	35	36	Tr	0.2	0.0
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1026.1	+10	NNE	1	f	35	95	3	5	-	-	10	10	450	1	*	40	31	31	0.1	0.1	0.0
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1025.8	+12	NW	3	id.	40	95	4	5	-	-	10	10	450	1	*	42	31	29	Tr	Tr.	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1025.7	+16	NNE	1	dd	41	95	5	6	-	-	10	10	4150	1	*	42	37	37	0.1	1	*
	Calshot (S'thmtn)	8	1024.0	+4	NE'E	2	C	41	95	6	5	-	-	10	10	2500	1025.1	+10	E	3	C	44	95	6	5	-	-	10	10	1500	1	1	43	36	30	Tr	0.1	3.4
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	NNW	2	bcF	*	*	1	-	1	*	0	4.6	-	*	0	46	39	*	-	Tr.	*
	Lympne ...	346	1024.0	+8	N'W	2	of	43	95	3	5	-	-	10	10	1500	1025.2	+8	N	3	F	41	95	1	5	-	-	10	10	4150	1	*	45	41	40	Tr	Tr.	0.0
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1025.8	+10	WNW	2	c	41	95	6	5	-	-	7.8	7.8	2500	1	*	48	40	40	Tr	0.1	0.2
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1025.0	+8	NNW	1	0	42	95	4	5	-	-	10	10	450	1	0	44	40	39	0.1	-	0.0
	Gorleston ...	14	1023.6	0	-	0	d.d.	42	95	6	6	-	-	10	10	1500	1025.0	+8	-	0	0	42	95	6	6	-	-	10	10	1500	1	1	46	41	40	0.2	1	0.0
	Cranwell ...	240	1024.9	+6	SE'S	1	f	37	95	2	5	-	-	10	10	4150	1025.8	+6	-	0	c	35	95	5	5	-	-	10	10	4000	1	*	41	33	33	0.1	0.2	1.1
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1025.9	+8	NNW	2	cf	41	95	2	5	-	-	9+	9+	2500	1	*	40	36	36	0.1	Tr.	0.0
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1026.3	+14	SW	1	d.d.	36	95	4	5	-	-	10	10	220	1	*	38	30	30	0.1	0.5	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1025.4	+6	-	0	r.r.	38	95	4	6	-	-	10	10	800	1	*	39	32	30	0.1	1	0.0
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1025.7	+10	S	1	bF	41	95	3	5	-	-	10	10	450	1	*	42	40	35	-	2	*
5	Portland Bill...	32	1023.0	+4	-	0	r.r.	52	85	5	4	2	-	7-8	10	1500	1024.4	+12	N	3	rf	47	95	2	5	-	-	10	10	1500	1	3	50	46	*	Tr	3	0.0
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1025.5	+16	N	3	c	47	85	8	-	-	7	0	10	-	1	1	51	46	43	3	0.3	0.0
	Falmouth ...	200	1024.3	+4	NW'N	3	c	47	85	8	5	-	-	7-8	7-8	4000	1026.0	+4	NNW	3	c	47	85	7	8	-	6	4.6	7.8	4000	0	2	53	46	*	4	-	4.0
	Scilly (St. Mary's)	163	1026.0	+10	N'W	4	c	48	75	7	2	6	-	2-3	7-8	4000	1027.1	+12	N'W	4	bc	48	75	8	2	-	5	2.3	4.6	4000	1	3	52	47	*	0.1	-	0.4
	Guernsey ...	175	1022.8	0	SSW	2	bc	50	95	7	5	4	-	4-6	4-6	2500	1024.1	+10	-	0	c	43	95	8	8	1	-	4.6	7.8	2500	0	2	53	48	42	-	-	0.4
6	Pembroke ...	142	1025.2	+6	NNW	1	bc	46	95	8	1	1	1	2-3	2-3	2500	1025.8	+4	N	3	bc	44	95	8	-	7	6	0	4.6	-	0	1	51	43	*	3	-	0.0
7	Holyhead ...	26	1024.3	+14	NNW	3	bc	48	95	7	1	-	-	2-3	2-3	2500	1026.4	+14	N'W	4	c	48	85	8	4	3	-	1	7.8	2500	1	1	51	47	40	1	-	0.2
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1026.8	+16	NNW	1	F	41	95	1	5	-	-	10	10	4150	1	*	44	40	35	0.1	0.3	0.0
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1026.7	+8	-	0	F	41	95	1	5	-	-	10	10	4150	1	*	44	40	40	0.2	0.1	0.0
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1025.7	+10	SW	1	c	41	95	5	-	3	-	0	9+	-	1	*	42	39	39	-	Tr.	0.0
10	Spurn Head ...	29	1025.8	+2	-	0	cF	43	95	1	5	-	-	10	10	4150	1024.6	+4	NW'W	3	if	39	95	4	5	-	-	10	10	800	0	2	48	38	*	-	-	4.2
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1026.0	+10	-	0	bcf	33	95	2	5	-	1	2.3	2.3	4000	1	*	43	33	30	Tr	1	*
	Tynemouth ...	67	1023.2	+2	SW	1	0	43	95	5	6	-	-	10	10	1500	1025.3	+16	W	2	bc	39	95	7	5	-	-	2.3	2.3	1500	0	2	45	38	35	-	0.2	*
11	Inchkeith ...	190	1022.8	+8	SW	3	0	43	95	5	5	-	-	10	10	800	1025.6	+14	SW	3	0	41	95	5	5	-	-	10	10	800	1	2	46	41	37	3	Tr.	0.0
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1024.8	+16	W	2	c	37	95	6	-	3	6	0	9	-	1	*	47	35	29	2	0.1	0.0
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1026.3	+14	-	0	cf	34	95	2	-	1	-	0	10	-	1	*	50	34	28	0.2	0.1	1.4
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1027.1	+10	-	0	cf	32	95	2	5	3	-	4.6	7.8	4150	1	1+3	~~(42)~~	31	30	3~~0.3~~	0.3 ~~0.0~~	0.0
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1023.5	+4	SW	3	c/pr	46	95	8	8	7	-	7.8	7.8	1500	1	2	51	37	26	1	0.3	3.8
13B	Stornoway ...	34	1021.5	+8	-	0	bc	40	95	8	7	-	-	2-3	2-3	2500	1021.7	-2	SSW	3	bc	46	95	8	5	4	-	2.3	4.6	2500	0	1	49	36	*	Tr	Tr.	2.5
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1026.7	+20	N	1	bc	32	95	8	5	-	-	2.3	2.3	1500	0	*	44	31	18	-	-	0.0
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1024.5	+10	NW	1	bc	37	95	8	-	-	8	0	4.6	-	1	1	48	36	30	Tr	-	*
	Wick ...	81	1021.4	+10	SW	2	c	38	95	8	5	9	-	4-6	9+	4000	1023.1	+10	WSW	1	bc	34	95	8	5	-	8	2.3	2.3	4000	1	3	48	34	*	0.6	-	0.0
16	Lerwick ...	54	1020.5	+6	-	0	c	45	95	7	5	-	-	7-8	7-8	1500	1021.9	+8	SW	1	c	45	95	7	8	7	-	1	7.8	1500	1	*	48	43	*	4	0.4	0.0
17	Blacksod Point	18	1024.5	+4	SSE	4	bc	48	85	8	4	5	-	4-6	4-6	800	1025.5	+12	W	2	bc	42	95	8	8	-	-	4.6	4.6	1500	1	3	54	40	*	Tr	1	*
18	Malin Head ...	52	1024.0	+10	S	1	b	41	85	8	-	8	-	0	1	-	1025.1	+8	S	2	bc	42	95	7	5	5	-	Tr.	2.3	4000	0	2	49	39	28	-	-	5.6
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1026.8	+4	-	0	b	35	95	6	-	-	1	0	Tr.	-	1	*	43	34	33	0.1	0.2	0.0
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1026.4	+10	W	1	b	39	95	7	5	-	-	1	1	2500	0	0	51	38	*	-	-	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1027.1	+4	SW	1	b	33	95	8	-	4	-	0	1	-	1	*	49	32	20	-	-	6.2
20	Valentia Obsy.†	30	1026.1	+6	S	1	bc	49	95	8	4	-	-	2-3	2-3	2500	1027.3	+12	NEE	1	bc	40	95	8	7	-	-	2.3	2.3	2500	1	-	51	38	31	-	0.2	6.6
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1027.1	+6	N	3	bc	38	95	8	5	-	-	2.3	2.3	1500	0	3	52	37	*	-	Tr.	*

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather Morning. (24 hrs. ended 9h.)	Weather Afternoon.	Weather Night.	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day. mm.	Rainfall Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity 15h. G.M.T. % (Yesterday.)	Humidity 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew ...	18	ofe	ofe	ofe of	39	34	35	0.1	0.2	0.0	*	*	3
Croydon ...	217	ofe fe	ofe fe	ofe	40	35	36	Tr.	0.2	0.0	*	*	3
Greenwich (Royal Observatory) ...	149	fe fe	fe fe	fe fe	41	38	38	Tr.	Tr.	0.0	99	100	1
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	40	38	36	-	-	0.0	?	98	*
Regents Pk. (Botanic Gardens) ...	168	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square ...	110	f	f	*	38	38	38	-	Tr.	*	*	98	*
Kensington ...	80	of	of	*	43	36	*	-	0.1	0.0	At 18h. 92	98	*
Hampstead Observatory ...	450	of bc	of	of	43	32	32	0.3	0.3	1.6	*	98	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 30th

South Kensington. Max.	Time.	Min.	Time.	Kew Observatory. Max.	Time.	Min.	Time.
2.9	12.14h 29th	0.6	3h 30th	1.0	13h 29th	0.6	4h 30th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 29th November: Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 30th November: 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	-	0	0	43	1024.9	-	0	0	41	43	?	-	?
Brussels ...	1023.1	E	2	0	39	1026.5	E	1	0	39	39	39	0.2	-
Berlin ...	1030.0	ESE	5	b	26	1031.7	ESE	3	b	19	28	16	-	-
Zurich ...						1021.0	ENE	4	c	?		37		19
Rome ...	999.8	NNW	2	d.d.	48						50		1	

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

TERMS OF SUBSCRIPTION. { Single Copies, 1d. each; by post 1½d. { 2/6 per month; 5/6 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.
ADDITIONS & CORRECTIONS.
November, 1931.

I.—CORRECTIONS.

Date of Report.	Page.	Station.	Col. No.	Correct Entry.
1st.	1	Guernsey	5	c
"	"	"	19	c
"	"	Gorleston	18	2
"	"	Lerwick	17	S
"	4	Calshot	36	0·9
"	"	Pembroke	20	54
"	"	Tiree	30	3
"	"	Kensington	Sun	1·8
2nd.	1	Holyhead	5	cq
"	"	Spurn Head	26	2-3
"	"	Renfrew	38	cdcm.
"	"	Tiree	18	6
"	"	Birr Castle	39	coir
"	"	" "	40	irc
"	"	Roches Point	1	1018·7
"	4	Dungeness	18	5
"	"	Shoeburyness	21	95
"	"	Leafield	36	5·6
"	"	Scilly	14	4000
"	"	Pembroke	20	54
"	"	Holyhead	16	-14
"	"	Inch'keith	34	Tr
"	"	Dalwhinnie	36	0·5
"	"	Regent's Park	Sun	6·6
3rd.	1	London	17	S'W
"	"	Boscombe Down	39	c
"	"	Ross	24	1
"	"	"	25	-
"	"	Malin Head	20	58
"	"	Birr Castle	14	1500
"	"	" "	39	cr,c
"	"	" "	40	corr
"	4	Shoeburyness	33	41
"	"	Scilly	14	4000
"	"	Pembroke	27	7·8
"	"	Tiree	32	(53)
"	"	Hampstead.	Rain	day Tr night 0·3
"	"	"	"	
4th.	1	Chester	6	60
"	"	"	7	85
"	"	Inchkeith	10	-
"	"	Leuchars	20	52
"	"	Eskdalemuir	40	orrqid.
"	"	Stornoway	18	6
"	"	Lerwick	14	800
"	"	Aldergrove	15	985·9
"	4	Dungeness	35	-
"	"	Ross	35	24
"	"	Pembroke	20	55
"	"	"	31	58
"	"	Liverpool	24	2
"	"	Eskdalemuir	31	54
"	"	Wick	19	rr
"	"	Lerwick	34	7
"	"	Blacksod	32	45
"	"	Valentia	31	58
5th	1	South Farnboro'	39	bwbm.
"	"	" "	11	1
"	"	Gorleston	5	0
"	"	"	12	10
"	"	"	13	10
"	"	Birmingham	14	1500
"	"	Leafield	28	2500
"	"	Lerwick	29	2
"	"	Roches Point	30	5
"	4	Leafield	31	56
"	"	"	34	5
"	"	Plymouth	32	53
"	"	"	33	50
"	"	"	36	42
"	"	Pembroke	21	85
"	"	Harrogate	34	16
"	"	Dalwhinnie	31	48
"	"	"	34	5
"	"	"	35	-
"	"	Wick	24	4
"	"	Malin Head	25	8

Date of Report.	Page.	Station.	Col. No.	Correct Entry.
6th.	1	South Farnboro'	7	75
"	"	Gorleston	11	-
"	"	Leafield	22	8
"	"	Pembroke	20	55
"	"	Upper Hayford	32	47
"	"	Portland Bill	32	52
"	"	Pembroke	12	2-3
"	"	"	13	2-3
"	"	"	18	5
"	"	Tiree	34	1
"	"	Dalwhinnie	23	4
"	"	"	31	46
"	"	Lerwick	32	48
"	"	"	34	-
"	"	Regent's Park	Sun	2·0
"	"	Lympne	21	95
"	"	Cranwell	37	ofemc
"	"	Liverpool	4	5
"	"	Dalwhinnie	9	4
"	"	Lerwick	3	S
"	"	Blacksod	6	53
"	4	Lympne	35	8
"	"	Cranwell	20	45
"	"	Pembroke	1	999·0
"	"	"	31	59
"	"	"	32	45
"	"	Blacksod	34	9
"	"	Aldergrove	31	53
"	"	Valentia	17	ESE
8th	1	Boscombe Down	38	cpro
"	"	Dungeness	9	8
"	"	Cranwell	5	c
"	"	Plymouth	20	52
"	"	"	21	95
"	"	"	27	9
"	"	Falmouth	1	991·7
"	"	"	17	SW
"	"	Guernsey	17	S
"	"	Holyhead	21	85
"	"	Harrogate	9	5
"	"	"	10	1
"	"	"	12	2·3
"	"	Renfrew	38	d.mrr
"	"	Tiree	15	934·0
"	"	Dalwhinnie	3	SE
"	"	"	4	2
"	"	"	8	8
"	"	Aberdeen	7	85
"	"	Winchester	31	55
"	"	Dungeness	31	56
"	"	"	34	Tr
"	"	Lympne	31	53
"	"	"	34	0·2
"	"	Shoeburyness	29	1
"	"	Gorleston	34	3
"	"	Plymouth	35	1
"	"	Pembroke	6	53
"	"	Spurn Head	12	2-3
"	"	" "	34	2
"	"	Aberdeen	15	995·2
"	"	Wick	5	r.r.
9th	1	Gorleston	38	bcco
"	"	"	39	oid.bc
"	"	Cardington	39	com.
"	"	Birmingham	22	4
"	"	Portland Bill	1	989·3
"	"	Dalwhinnie	3	NE
"	"	"	6	44
"	4	Leafield	19	rF
"	"	Tiree	36	0·7
"	"	Dalwhinnie	15	987·2
"	"	Wick	13	9
"	"	Lerwick	32	47
10th	1	London	21	95
"	"	Winchester	6	49
"	"	Lympne	7	85
"	"	Shoeburyness	1	988·7

Date of Report.	Page.	Station.	Col. No.	Correct Entry.
10th.	1	Lerwick	15	985·2
"	"	Aldergrove	39	b
"	"	Birr Castle	38	cprc
"	"	Roches Point	14	2500
"	"	" "	40	bbcpc
"	4	Cardington	17	S'W
"	"	Pembroke	34	1
"	"	"	35	0·3
11th.	1	Eskdalemuir	15	972·4
"	"	Valentia	24	-
"	"	Dungeness	10	2
"	"	Lympne	38	cprotl
"	"	Portland Bill	2	-2
"	"	Plymouth	6	55
"	"	"	17	SW'S
"	"	Pembroke	6	55
"	"	Chester	7	95
"	"	Tiree	37	cprc
12th.	1	Stornoway	1	968·0
"	"	Aldergrove	38	cprPR
"	4	Ross	19	cjp
"	"	Gorleston	15	981·3
"	"	Portland Bill	39	sccPRcbc
"	"	Tiree	18	1
"	"	Dalwhinnie	29	0
"	"	Aldergrove	37	cr,c
"	"	Valentia	11	1
13th.	1	Winchester	23	5
"	"	"	29	1
"	"	Shoeburyness	22	6
"	"	Holyhead	30	4
"	"	Liverpool	38	cp.bc
"	"	Lerwick	3	W'N
"	"	Valentia	38	cpr.bcb
"	4	Croydon	3	W
"	"	Dungeness	23	4
"	"	"	30	1
"	"	Stornoway	34	1
14th.	1	Birmingham	23	5
"	"	Eskdalemuir	40	crr
"	"	Tiree	18	8
"	"	"	39	ORR
"	"	Wick	13	9+
"	"	"	5	c
"	"	Aldergrove	15	1002·5
"	"	Roches Point	40	orrc
"	4	Calshot	31	58
"	"	Cranwell	33	30
"	"	"	36	6·2
"	"	Leafield	31	53
"	"	"	34	Tr
"	"	Tiree	30	4
"	"	Blacksod Point	35	5
"	"	Valentia	33	38
15th.	1	Birmingham	17	SE
"	"	Pembroke	26	2·3
"	"	Valentia	17	E'N
"	"	Roches Point	26	4·6
"	"	Felixstowe	15	1012·3
"	"	Ross	21	75
"	"	Pembroke	32	45
"	"	Harrogate	19	dF
"	"	"	35	8
"	"	Dalwhinnie	20	38
"	"	Malin Head	21	95
16th.	1	Birmingham	6	44
"	"	Pembroke	6	52
"	"	Inchkeith	2	+20
"	"	Tiree	1	1022·7
"	"	"	3	N'W
"	"	"	4	2
"	"	Roches Point	12	2·3
"	"	" "	13	2·3
"	"	" "	39	bcbx
"	4	Plymouth	31	53
"	"	Scilly	19	c
"	"	Pembroke	20	42

Date of Report.	Page.	Station.	Col. No.	Correct Entry.
16th.	4	Spurn Head	35	-
"	"	Catterick	35	0·1
"	"	"	36	*
"	"	Tiree	15	1027·4
"	"	Dalwhinnie	29	1
"	"	Wick	9	5
17th.	1	Birr Castle	15	1027·7
"	"	Ross	21	85
"	"	Plymouth	16	0
"	"	Catterick	3	-
"	"	"	4	0
"	"	Dalwhinnie	10	-
"	"	"	11	1
"	"	Malin Head	8	6
"	4	Spurn Head	26	1
"	"	Leuchars	31	47
"	"	Malin Head	30	4
18th.	1	Dalwhinnie	4	4
"	"	Aldergrove	39	or.rr
"	4	Boscombe Down	17	SE'S
"	"	Lympne	16	-10
"	"	Cranwell	3	SE'S
"	"	Birmingham	33	37
"	"	Ross	19	d.d.
"	"	Holyhead	17	S'E
"	"	Dalwhinnie	23	-
"	"	"	26	0
"	"	Lerwick	28	800
"	"	Westminster	Max	46
19th.	1	Gorleston	12	4·6
"	"	Inchkeith	37	orrc
"	"	Eskdalemuir	37	crc
"	"	"	40	ofF
"	"	Dalwhinnie	20	40
"	"	Birr Castle	2	+12
"	4	London	32	44
"	"	Cranwell	3	SE'S
"	"	Leafield	19	c
"	"	"	22	8
"	"	Spurn Head	30	4
"	"	Inchkeith	36	0·0
"	"	Kew	Min	44
20th.	1	Spurn Head	15	1010·6
"	"	Stornoway	19	c/pr
"	4	Shoeburyness	34	1
"	"	Portland Bill	20	51
"	"	Chester	36	4·6
"	"	Spurn Head	1	1010·3
"	"	Tynemouth	35	0·1
"	"	Birr Castle	17	SW
21st.	1	Birmingham	12	4·6
"	"	Leafield	7	95
"	"	Scilly	18	4
"	"	Pembroke	26	2·3
"	"	Catterick	7	95
"	"	Eskdalemuir	39	cir
"	"	Tiree	5	bc/pr.
"	"	"	37	d. PR
"	"	Valentia	38	cp.irycpbc
"	4	Lympne	2	+12
"	"	Gorleston	12	10
"	"	Leafield	24	-
"	"	Pembroke	20	51
"	"	Holyhead	12	2·3
"	"	"	13	2·3
"	"	Leuchars	36	4·2
"	"	Wick	13	9
22nd.	1	Winchester	12	1
"	"	Tiree	9	3
"	4	Portland	20	48
"	"	Scilly	2	+10
"	"	Leuchars	36	5·7
"	"	Roches Point	35	Tr
"	"	Regent's Park	Sun	4·7
23rd.	1	Calshot	5	cf
"	"	"	8	3

Date of Report.	Page.	Station.	Col. No.	Correct Entry.
23rd.	1	Ross	19	of
"	"	Guernsey	26	2·3
"	4	Chester	34	Tr
"	"	Leuchars	15	1008·9
"	"	Tiree	31	48
"	"	Lerwick	31	49
24th.	1	Shoeburyness	16	-30
"	"	Portland Bill	1	1009·6
"	"	Falmouth	9	6
"	"	Harrogate	12	9
"	"	Aldergrove	39	rrbc
"	"	Roches Point	15	994·6
"	4	Shoeburyness	19	id.
"	"	"	20	53
"	"	Plymouth	34	3
"	"	Scilly	21	75
"	"	"	25	-
"	"	Guernsey	29	1
"	"	Pembroke	27	2·3
"	"	Birr Castle	36	0·0
25th.	1	Winchester	7	65
"	"	Lympne	37	od.Fcm.
"	"	Scilly	2	+4
"	"	Guernsey	3	WNW
"	"	Holyhead	38	ir.id.
"	"	Chester	39	cm.r.
"	"	Spurn Head	15	1010·1
"	"	Leuchars	21	85
"	"	Lerwick	2	+24
"	4	Ross	19	cd.
"	"	"	31	52
"	"	Catterick	34	-
"	"	Eskdalemuir	17	SW
"	"	"	18	5
"	"	"	35	15
"	"	Stornoway	20	49
"	"	Malin Head	27	1
"	"	Birr Castle	20	43
26th.	1	Birmingham	5	0
"	"	Pembroke	6	53
"	"	Harrogate	9	-
"	"	"	10	1
"	"	"	12	0
"	"	Spurn Head	15	1009·8
"	"	Inchkeith	21	85
"	"	Eskdalemuir	38	cpr.crr
"	"	Tiree	29	1
"	"	Aberdeen	6	49
"	"	Lerwick	1	1002·0
"	4	Ross	15	1000·2
"	"	"	20	52
"	"	Guernsey	15	1005·1
"	"	Pembroke	6	53
"	"	Holyhead	24	3
"	"	Inch'keith	36	1·6
"	"	Renfrew	28	1500
"	"	Aberdeen	36	2·5
"	"	Aldergrove	31	49
27th.	1	London	20	56
"	"	Winchester	1	998·4
"	"	Boscombe Down	39	orrbc
"	"	Lympne	7	85
"	"	"	14	1500
"	"	Cranwell	14	800
"	"	"	39	RRcpr
"	"	Ross	11	8
"	"	Holyhead	13	9+
"	"	Malin Head	40	bbccR
"	"	Birr Castle	3	5
"	4	London	31	57
"	"	Leafield	34	2
"	"	"	18	3
"	"	Pembroke	20	51
"	"	Malin Head	28	1500
"	"	Roches Point	32	40
28th.	1	Guernsey	1	1006·9
"	"	"	19	c

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION.
ADDITIONS & CORRECTIONS.
November, 1931.

I.—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.
28th.	1.	Guernsey	27	9+	28th.	4	Lympne	28	800	29th.	4	Malin Head	4	3	30th.	1	Pembroke	27	2·3	30th.	4	Dalwhinnie	36	0·0
"	"	Chester	40	cprm.	"	"	Felixstowe	34	0·1	"	"	Kensington	Sun	0·1	"	"	Catterick	14	800	"	"	Blacksod	19	bc
"	"	Tiree	17	E'N	"	"	Liverpool	16	+24	30th.	1	Dungeness	18	1	"	"	Inchkeith	40	0m.	"	"	"	32	40
"	"	"	18	2	"	"	Harrogate	34	13	"	"	South Farnboro'	2	+2	"	"	Dalwhinnie	14	2500	"	"	Aldergrove	33	28
"	"	"	21	65	"	"	Eskdalemuir	15	1008·9	"	"	Gorleston	39	od.d.	"	4	Ross	19	0F					
"	"	"	29	1	"	"	"	21	95	"	"	Birmingham	19	f	"	"	"	22	1					
"	"	"	30	3	29th.	1	Gorleston	7	85	"	"	"	22	2	"	"	Eskdalemuir	31	43					
"	"	"	40	cw	"	"	Renfrew	18	2	"	"	"	28	<150	"	"	"	34	3					
"	"	Valentia	6	52	"	4	Dungeness	17	NW	"	"	Pembroke	19	bc	"	"	"	35	0·3					
"	4	Dungeness	35	0·6	"	"	Gorleston	12	4·6	"	"	"	26	2·3	"	"	Dalwhinnie	33	18					

HEALTH RESORTS.

Date	Page	Station	Correction	Date	Page	Station	Correction
2nd	2	Southport	Max. 54°	15th	2	Hastings	Sun 0·4 hr.
3rd	"	Wallasey	Min. *	20th	"	Ramsgate	Weather morning odc
5th	"	Littlehampton	Max. 58°	"	"	Clacton	" afternoon cp.c
"	"	Clacton	Min. 50°	"	"	Ilfracombe	" " bbcd.
"	"	Aberystwyth	" 50°	23rd	"	Blackpool	Sun 0·0 hr.
"	"	Colwyn Bay	Day rain –	24th	"	Littlehampton	Min. 42°
6th	"	Folkestone	Max. 54°	"	"	Rhyl	" 40°
"	"	Cheltenham	Sun 3·1 hrs.	26th	"	Jersey	" 49°
"	"	Dunbar	Weather afternoon bcr;	"	"	"	Max. 50°
7th	"	Clacton	" morning cec	"	"	"	Sun 1·2 hrs.
9th	"	Sunshine column. Heading should read Sunrise to		27th	"	Penzance	Max. 56°
"	"	Sunset 8th (not 7th)		"	"	Bude	Min. 44°
"	"	Cheltenham	Sun 0·0 hr.	28th	"	Bognor	" 42°
10th	"	Bournemouth	Night rain 4 mm.	"	"	Cleethorpes	Max. 54°
"	"	Dovercourt	Weather morning bcc	"	"	Cheltenham	" 51°
"	"	"	" afternoon ocr				

II.—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
Blacksod Point	10th	9th	13	972·0	-8	SSE	7	TLH	52	85	7	9	-	-	9+	9+	220	*	*							prhtl			
" "	"	"	18	969·8	-10	SSE	4	PR	51	85	7	9	-	-	9+	9+	220	1	4								prhtl		
" "	"	10th	1	964·9	-16	S	5	PR	49	95	7	9	-	-	10	10	<150	*	*									prcq	
" "	"	"	7	961·9	-8	S	4	c	49	95	8	3	-	-	7·8	7·8	450	1	4	52	48	*	7	4	*				prc
" "	18th	18th	1	997·9	-50	S	8	iR	53	95	6	9	-	-	10	10	<150	*	*							irq			
" "	"	"	7	1000·7	+52	W	5	cq	49	75	7	8	-	-	9+	9+	<150	1	4	56	47	*		13	*		prc		
Eskdalemuir	"	"	"	1014·1	-26	S'E	5	rrk	39	95	6	6	-	-	10	10	1500	1	*		38	37		2	0·3			crr	crr
Tiree	23rd	23rd	7	1000·0	+18	S'W	5	cr.	47	95	6	9	7	-	7·8	9	1500	1	4		46	44		9	2·9			c,cr.	cRcR
"	24th	23rd	13	1000·7	-4	SW	3	c/r	47	75	7	5	1	8	2·3	10	2500	*	*							cir			
Blacksod Point	25th	25th	1	990·0	+20	SW	5	PR	50	85	6	7	-	-	9+	9+	<150	*	*									tlpr	
" "	"	"	7	1001·2	+6	HSW	6	PR	49	75	7	9	-	-	7·8	7·8	450	1	4	54	46	*		7	*				prq
Dungeness	29th	28th	13	*	*	E	2	c	*	*	7	3	-	+	9	9	800	*	*										
Chester	"	"	18	1016·1	+20	SE	1	bcf	43	95	3	-	3	-	0	4·6	-	1	*								cm,mbc		

LONDON OBSERVATIONS.

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

	Date	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.
Westminster	1st.	*	*	*	53	44	37	-	-		67	62	*
"	8th.	*	*	*	57	48	42				59	89	*
Camden Square	"	c	c	*	54	48	41	-	1	*	*	94	*
" "	15th	c	c	*	49	46	41	-	-	*	*	89	*
Westminster	"	*	*	*	52	46	41	-	-		63	86	*
"	22nd	*	*	*	53	35	31	-	-		73	98	*
Camden Square	"	cb	b	*	54	35	30	-	-	*	*	98	*
" "	29th	bo	c	*	48	37	32	-	-	*	*	100	*
Westminster	"	*	*	*	48	38	31	-	-		83	95	*

Atmospheric Pollution

Station	Date	Max.	Time	Min.	Time
South Kensington	1st.	1·7	10h. 31st.	Nil	2h.-5h. 1st.
" "	29th	1·0	21h. 28th.	0·3	4h. 29th.

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

Pa.388/239E. Wt.72. 0.6007. Gp.808. 820. 3/32