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.

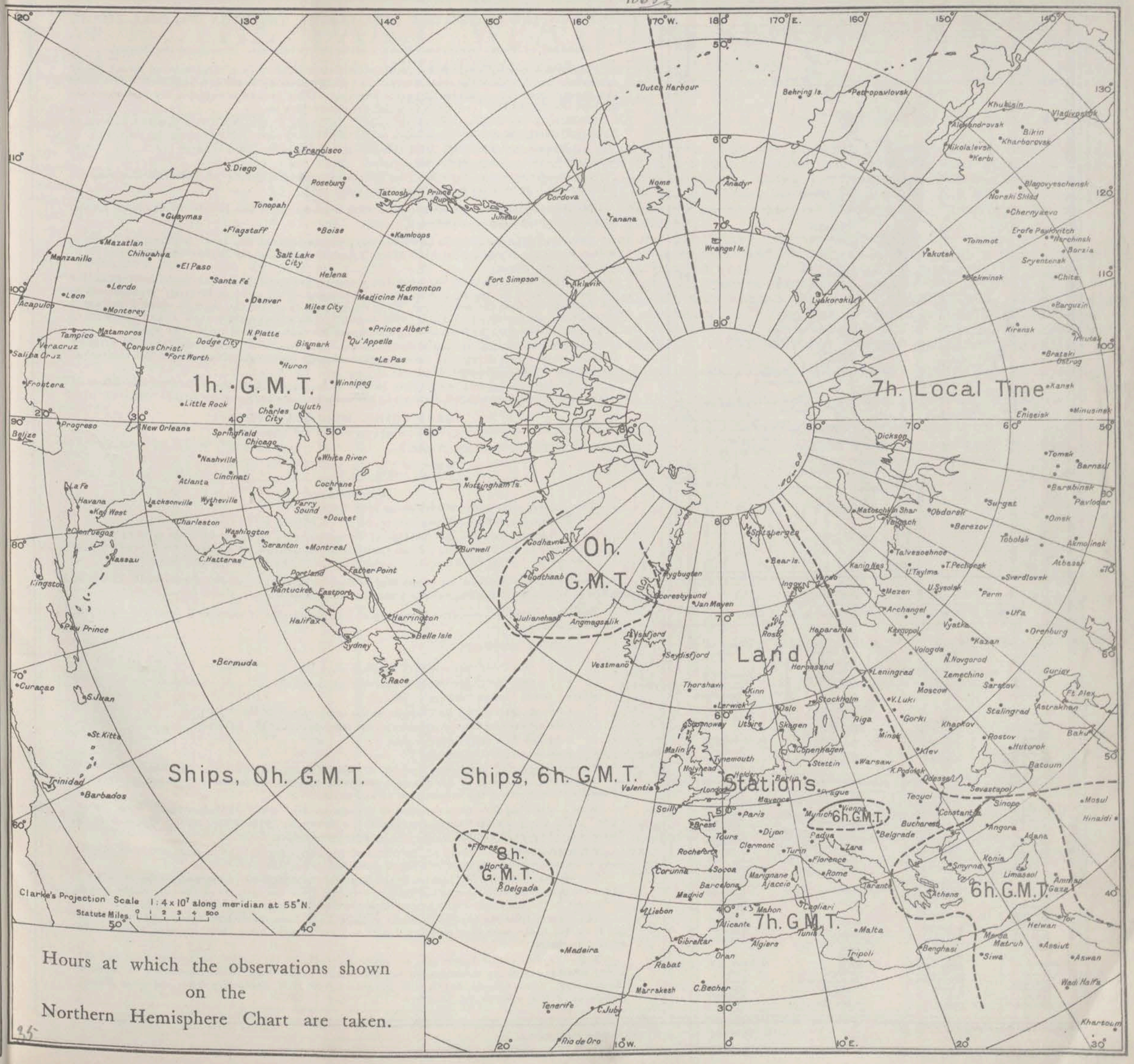
The *South Cone* (point downwards) is hoisted for gales commencing from a Southerly point. Such gales often veer, sometimes as far as Northwest.

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 :—

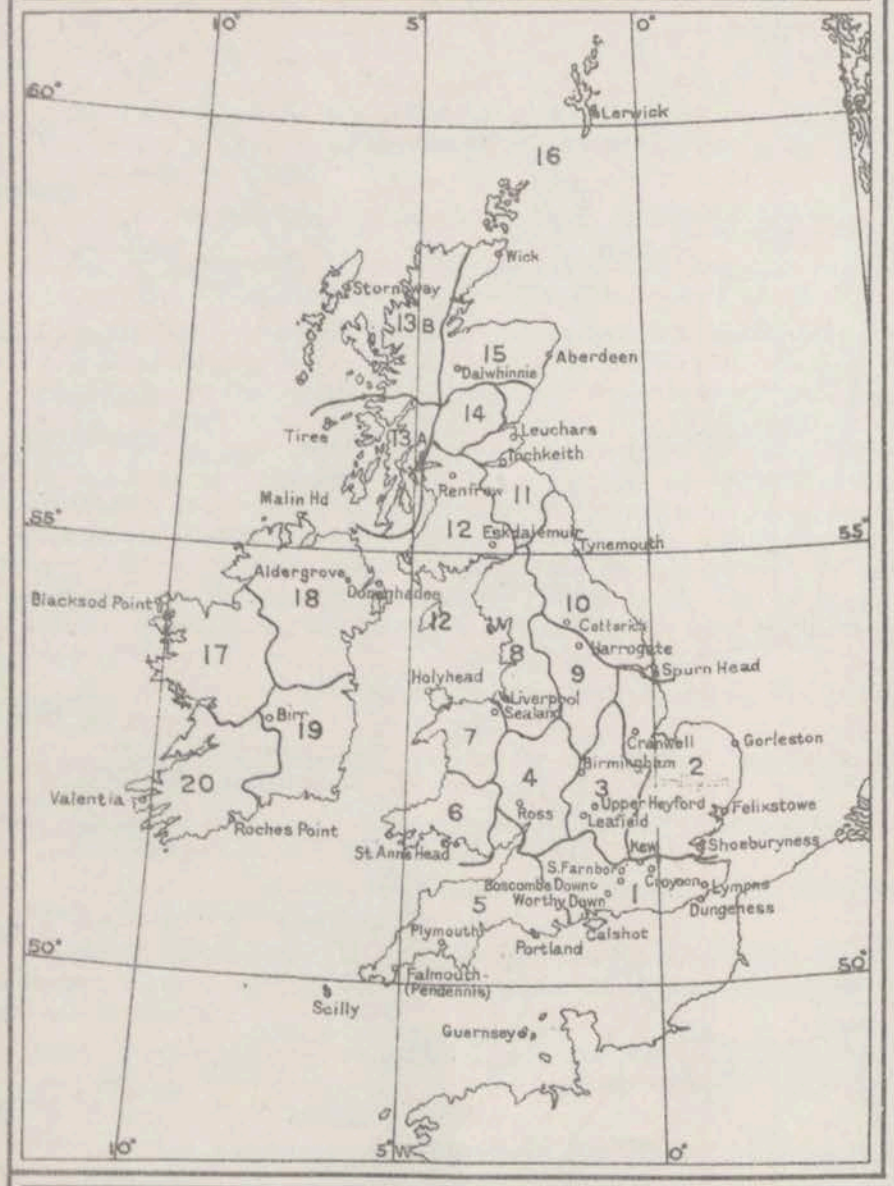
▲ North Cone hoisted : ▼ South Cone hoisted :

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.

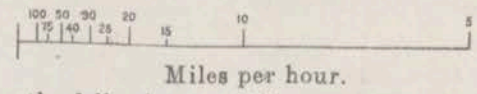
The wind at a height of 1,500-2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart for the chart on Page 2 the speed of the 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, OCTOBER, 1931. Nº 178

Notes on the Weather of the Month.

Broadly speaking October was rather sunny and very dry except in the Northwest. The first part of the month was mild, but from the 22nd onward it became cold with severe night frost.

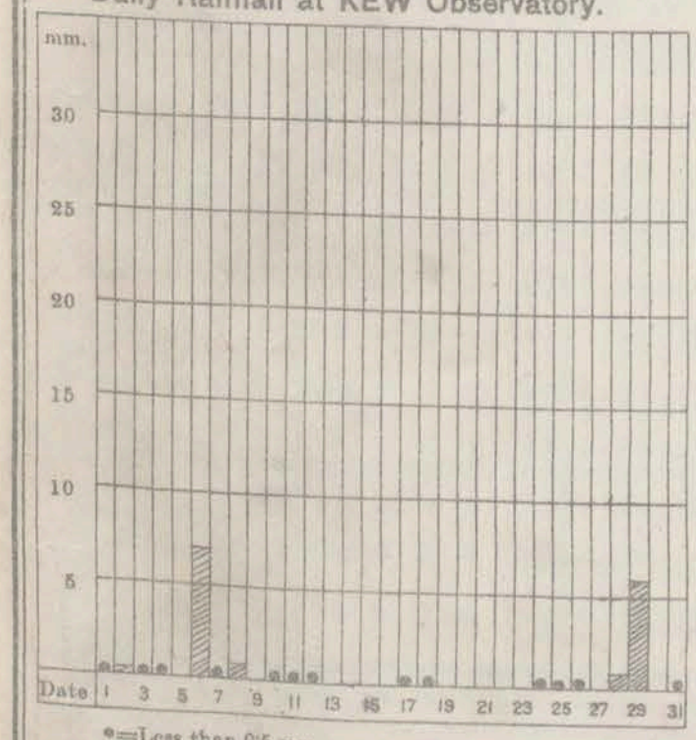
The first fortnight was generally mild and rather unsettled with depressions moving east or northeast across Iceland. For the most part pressure was high over the Continent and on the 3rd a wedge crossed the British Isles giving a fair day in Great Britain. Some heavy rain fell at times in the West and Northwest, among the heaviest measurements being 30 mm. at Eskdalemuir on the 1st, 26 mm. at Blacksod Point on the 5th and 27 mm. at Eskdalemuir on the 9th. In England amounts were generally small until the 6th when a trough of low pressure passed eastward across the country. In the rear of this trough showers of hail and thunder were experienced locally.

By the 13th anticyclonic conditions became established. Temperature continued fairly high but not so high as previously. Sunshine was good locally and totals of 9 hours or more were recorded at times. A change to a much colder type occurred about the 20th when a wide and deep northerly current poured into the North Sea in the rear of a deep depression over the Baltic. From then onwards a succession of anticyclones moved southeast across the British Isles from the North and some really cold weather was experienced. Screen minimum temperatures of 17°F and 19°F were registered at Shrewsbury and Chester respectively on the 26th. The minimum, 25°F, at Kew Observatory on the 28th was equal to the October record of 1881 and 1895, 28°F at Valentia on the 26th equalled the record for October in 1892 and 21°F at Ross-on-Wye was the lowest on record for October for at least 70 years. Sunshine was plentiful during this period, 9 hours or more being registered at times.

At Kew Observatory 19 days of drought were experienced beginning on the 9th and at Ross-on-Wye there was an absolute drought ending on the 28th.

A depression centred off the Hebrides on the 29th which moved rapidly southeast and deepened gave rain in all districts.

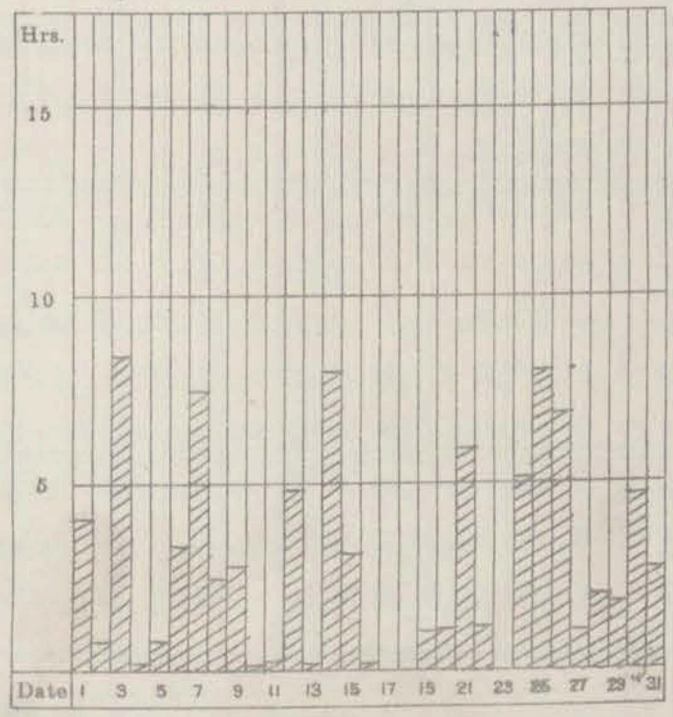
Daily Rainfall at KEW Observatory.



•=Less than 0·5 mm.

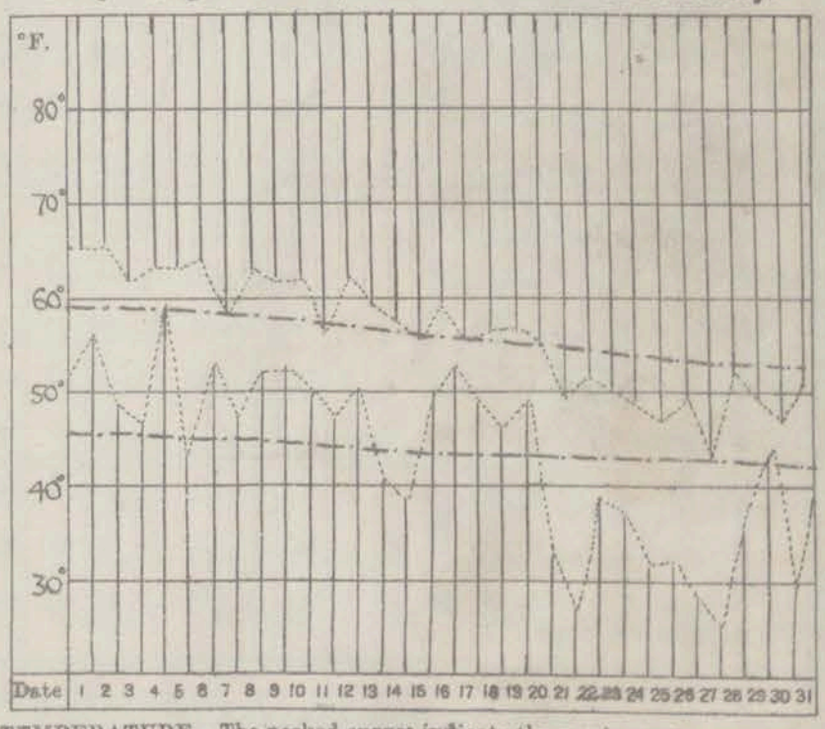
RAINFALL. Total for Month. 16 mm.

Daily Sunshine at KEW Observatory.



SUNSHINE. Total for Month. 90 hrs.

Daily Range of Temperature at KEW Observatory.



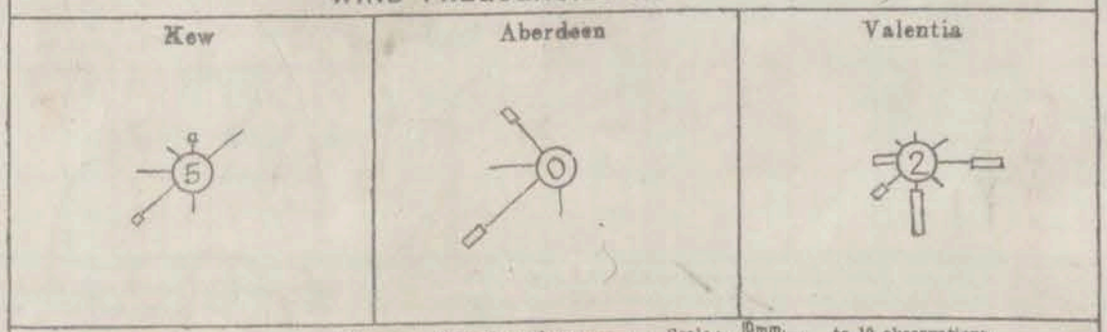
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

Stations.	Pressure: Mean	Pressure: Difference from average	Temperature: Mean	Temperature: Difference from average
	mb.	mb.	°F.	°F.
Kew	1021·6	+7·6	49·7	−0·5
Aberdeen	1015·5	+4·5	47·7	+0·2
Valentia	1020·4	+7·8	52·5	+0·8

* 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 ...	4889
Aberdeen ...	5702
Lerwick ...	17,477
Valentia ..	7463

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

†TEMPERATURE.

District	Stations	Number of daily readings within fixed limits. Maximum. 33°–41°	42°–50°	51°–59°	60°–68°	69°–77°	Normal Max.	Minimum. 23° or below	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.
							°F.						°F.	°F.		°F.		°F.		°F.		
1	London ... (Kew Obsy.)	0	8	13	10	0	56.2	0	6	6	12	7	43.5	65	1, 2	43	27	59	5	25	28	9
	Croydon ...	0	8	12	11	0	*	0	6	7	12	6	*	67	6	46	27, 30	59	5	24	27	8
	Calshot ... (Southampton)	0	3	15	13	0	*	0	3	6	12	10	*	67	1, 10	49	25	58	5	29	28	7
	Lympne ...	0	10	10	11	0	*	0	4	7	14	6	*	66	10	45	27	56	5	27	27	7
2	Shoeburyness[P]	0	4	15	12	0	57.3	1	5	8	13	4	45.4	67	6	49	30	57	5	22	28	8
	Gorleston ...	0	6	16	8	1	55.2	0	3	10	10	8	45.3	70	2	47	30, 31	58	5	31	27, 28	2
	Cranwell ...	0	11	7	12	1	54.8	0	8	9	11	3	42.4	69	2	44	30	56	5	26	22, 27	9
3	Leafield ...	0	10	14	7	0	*	0	9	6	13	3	*	63	12	45	24, 25, 30	56	5	24	27	11
4	Ross-on-Wye ...	0	9	12	10	0	56.1	3	4	8	11	5	42.1	66	10	45	25	58	5	21	27	11
5	Falmouth ... (Pendennis)	0	5	17	9	0	*	0	0	3	13	15	*	63	3	47	25	57	2	36	26, 27	*
7	Holyhead ...	0	4	19	8	0	55.1	0	0	5	10	16	46.9	63	15	46	25	57	2, 5	34	26	3
8	Liverpool ... (Bidston)	0	11	15	5	0	54.1	0	2	7	15	7	44.8	65	4	42	25	59	5	32	25, 27	3
10	Tynemouth ...	0	10	12	9	0	54.1	0	2	9	14	6	42.4	68	4	43	25, 30	58	5	31	26	7
11	Inchkeith ...	0	12	18	1	0	*	0	0	9	16	6	*	61	5	42	24	55	5, 9	34	25, 30	3
12	Renfrew ...	0	7	21	3	0	*	2	5	9	8	7	*	61	5	44	24	58	5	20	25	12
	Eskdalemuir ...	3	11	15	2	0	*	3	8	8	8	4	*	61	4	40	25, 30	55	5	17	22	13
13B #	Stornoway C.G.	0	9	20	2	0	52.2	0	3	9	16	3	41.2	60	1, 4	42	24	54	9	30	25	*
15	Aberdeen ...	1	10	15	3	2	53.0	0	3	11	13	4	41.6	70	4	40	25	55	9	26	26	8
19	Dublin ... (Phœnix Park)	0	5	16	9	1	55.3	0	7	11	10	3	41.2	70	4	47	24, 25	56	5	24	26	7
	Birr Castle ...	0	5	17	9	0	55.0	2	3	9	11	6	40.7	66	4	46	23	59	2	22	26	15
20	Valentia ... (Cahirciveen)	0	3	18	10	0	56.4	0	1	3	12	15	46.6	62	16	47	25	58	4	28	26	2

LOW CLOUD.

District	Stations	Number of observations within fixed limits. 7 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	13 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	18 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.
1	London ... (Kew Obsy.)	5	18	0	2	22	2	4	14	0
	Croydon ...	11	11	0	3	25	0	4	14	0
	Calshot ... (Southampton)	3	19	0	2	26	0	3	18	0
	Lympne ...	6	12	1	3	24	0	3	16	1
2	Shoeburyness[P]	5	12	1	2	24	2	1	23	2
	Gorleston ...	2	24	0	1	27	0	0	25	0
	Cranwell ...	4	16	2	0	23	2	0	16	2
3	Leafield ...	10	10	2	4	22	2	2	18	0
4	Ross-on-Wye ...	9	16	0	0	27	0	0	21	0
5	Falmouth ... (Pendennis)	0	31	0	0	31	0	0	31	0
7	Holyhead ...	7	20	2	6	23	0	7	19	0
8	Liverpool ... (Bidston)	3	25	0	0	28	1	1	25	0
10	Tynemouth ...	6	25	0	2	29	0	2	29	0
11	Inchkeith ...	4	23	0	3	27	1	3	24	1
12	Renfrew ...	6	20	1	0	28	0	2	27	0
	Eskdalemuir ...	9	15	0	6	21	0	8	15	1
13B #	Stornoway C.G.	1	30	0	1	29	1	1	30	0
15	Aberdeen ...	1	21	1	1	26	0	1	24	0
19	Dublin ... (Phœnix Park)	*	*	*	*	*	*	*	*	*
	Birr Castle ...	0	21	0	0	29	0	0	20	0
20	Valentia ... (Cahirciveen)	11	17	1	6	23	1	7	23	0

FOG, MIST and GOOD VISIBILITY.

District	Stations	Number of observations within fixed limits. 7 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	13 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.
1	London ... (Kew Obsy.)	0	5	4	3	6	0	0	3	3	9
	Croydon ...	0	2	3	7	2	0	0	1	6	6
	Calshot ... (Southampton)	0	1	2	2	9	0	0	0	0	19
	Lympne ...	0	2	2	2	9	0	0	0	0	18
2	Shoeburyness[P]	1	1	2	3	6	0	0	1	2	19
	Gorleston ...	0	1	1	0	4	0	0	1	0	10
	Cranwell ...	0	3	4	2	6	0	0	1	0	16
3	Leafield ...	0	3	1	3	13	0	0	0	0	26
4	Ross-on-Wye ...	0	6	1	4	13	0	0	0	0	20
5	Falmouth ... (Pendennis)	0	0	0	0	24	0	0	0	0	29
7	Holyhead ...	0	0	1	1	18	0	0	1	0	20
8	Liverpool ... (Bidston)	0	2	1	1	23	0	0	0	2	23
10	Tynemouth ...	0	0	4	1	10	0	0	2	1	20
11	Inchkeith ...	0	0	1	2	25	0	0	0	0	27
12	Renfrew ...	0	2	2	2	16	0	0	1	1	20
	Eskdalemuir ...	0	1	1	1	20	0	0	0	1	19
13B #	Stornoway C.G.	0	0	0	0	27	0	0	0	0	29
15	Aberdeen ...	0	0	1	0	26	0	0	0	0	26
19	Dublin ... (Phœnix Park)	*	*	*	*	*	*	*	*	*	*
	Birr Castle ...	0	0	2	0	27	0	0	0	0	30
20	Valentia ... (Cahirciveen)	0	0	0	0	28	0	0	0	0	28

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	1760	46	46	30	45	10		
850	4740	40	37	30	36	10		
750	8040	31	32	30	33	6		
650	11,750	21	23	30	21	3		
550	15,960	6	11	30	−1	2		

UPPER WINDS.

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

Station.	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.
		miles per hour.						miles per hour.						miles per hour.						miles per hour.					
2,000	51	5	34	11	1	-	52	13	29	8	2	-	41	8	21	11	1	-	89	14	55	19	1	-	2,000
5,000	22	1	14	7	-	-	34	6	21	7	-	-	11	4	6	1	-	-	44	5	30	8	1	-	5,000
10,000	4	1	-	3	-	-	18	4	10	3	1	-	2	1	1	-	-	-	21	1	16	4	-	-	10,000
15,000	1	-	-	1	-	-	5	2	3	-	-	-	1	1	-	-	-	-	3	-	3	-	-	-	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.

P Grass minimum temperature for 1st not available.

SUNSHINE, RAINFALL, AND HUMIDITY OCTOBER, 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.	Difference from average.	Total for Month.	Difference from average.	Highest and Lowest Totals on record for Month: First year of record.	Highest.	Year.	Lowest.	Year.	Rainfall: ‡Number of days with amount: 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	Above 25 mm.	Maximum fall in 24 hrs. mm.	Date.	Total for past 12 months.	Difference from Average.	Total for Month.‡	Difference from Average.	Highest and Lowest Totals on record for Month: First year of record.	Highest.	Year.	Lowest.	Year.	Days with Thunder.	Days with Snow or Sleet.
									Hours.	Hours.	Hours.	Hours.		Hrs.		Hrs.										mm.	mm.	mm.	mm.		mm.		mm.			
1	London ... (Kew Obsy.)	3	16	7	5	0	8·4	3	1259	−216	90	−2	1880	153	'21	50	'94	26	2	1	2	0	0	7	6	679	+73	16	−53	1871	150	'91	11	'21	0	0
	Croydon ...	5	13	10	3	0	7·7	7	1283	*	85	*	1922	120	'22 '30	76	'24	23	4	2	2	0	0	7	29	729	+50	19	−57	1921	148	'23	17	'21	0	0
	Calshot** ... (Southampton)	5	10	6	6	4	9·9	3	1505	*	122	*	1881	178	21	62	'15	26	3	1	1	0	0	9	6	767	+121	15	−79	1871	281	'03	17	'21	0	0
	Lympne ...	3	10	7	9	2	9·5	12	1632	*	129	*	1921	184	21	93	'23	23	4	2	2	0	0	8	29	725	+1	19	−80	1920	182	'28	7	'21	1	0
2	Shoeburyness	2	10	9	10	0	8·7	3	1624	*	125	*	1919	191	20	87	'24	25	4	1	1	0	0	6	29	560	+80	12	−45	1920	105	'23	13	'21	0	0
	Gorleston ...	4	7	10	10	0	8·9	27	1495	−210	127	+18	1908	183	20	74	'18	19	6	4	2	0	0	10	20	729	+107	31	−43	1871	219	'92	7	'20	0	0
	Cranwell ...	0	9	9	12	1	9·2	16	1433	−115	160	+57	1921	147	21	93	'27	22	5	3	1	0	0	5	29	734	+144	14	−59	1917	114	'24	25	'22	0	0
3	Leafield ...	5	11	5	9	1	9·1	25	1355	*	110	*	1924	118	30	89	'24	20	7	2	2	0	0	6	6	732	+38	20	−57	1924	113	'28	39	'30	0	0
4	Ross-on-Wye ...	5	10	8	8	0	8·8	26	1302	−184	109	+17	1915	156	'19	37	'15	24	4	2	1	0	0	7	6	784	+66	14	−69	1818	216	'07	13	1830	0	0
5	Falmouth ... (Observatory)	4	10	6	8	3	9·4	3 25	1453	−306	123	+7	1881	159	'19	81	'86 24	23	5	2	1	0	0	11	5	1217	+110	18	−108	1871	274	'24	41	'19	0	0
7	Holyhead ...	9	4	7	10	1	9·1	16	1428	−178	128	+29	1914	128	'22	61	'16	18	4	6	3	0	0	12	6	887	−1	50	−51	1871	265	'72	37	'79	0	0
8	Liverpool ... (Bidston)	5	8	5	13	0	8·5	30	1303	−153	126	+40	1908	116	'27	56	'15	19	5	5	2	0	0	14	6	869	+160	45	−38	1867	187	'03	7	'22	0	0
10	Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	19	6	4	2	0	0	10	29	846	+225	33	−43	1915	106	'19	31	'22	0	0
11	Inchkeith** ...	6	9	5	9	2	9·5	21	1351	*	122	*	1923	117	'30	90	'24	18	5	6	2	0	0	12	23	719	+165	37	−21	1879	183	'07	15	'04	0	0
12	Renfrew ...	7	11	5	8	0	8·8	24	1118	*	95	*	1921	102	'23	65	'21	14	3	9	4	1	0	17	27	967	+42	73	−11	1921	170	'28	51	'22	0	0
	Eskdalemuir ...	10	5	5	8	3	9·2	20 21	1086	−129	119	+30	1910	113	'20	57	'18	15	1	5	8	0	2	30	1	1443	+14	135	−2	1910	300	'28	46	'14	0	2
13B	# Stornoway C.G	6	15	8	2	0	7·2	5	1218	−41	69	−17	1881	135	'98	34	'21	4	6	12	8	1	0	17	29	1181	+85	124	−8	1870	259	'74	47	'15	0	4
15	Aberdeen ...	5	10	11	5	0	7·8	3	1242	−145	104	+9	1881	139	'23	47	'86	13	6	11	1	0	0	6	23	784	+36	39	−37	1871	161	'95	18	'99	0	6
19	Dublin ... (Phœnix Park)	7	6	9	8	1	9·3	26	1290	−217	123	+19	1881	160	'91	59	'16	20	5	5	1	0	0	6	6	788	+83	25	−42	1877	201	'80	17	'04	0	0
	Birr Castle ...	7	10	5	8	1	9·3	10	1215	−128	101	+3	1881	138	'99	45	'16	17	5	4	5	0	0	9	9	855	+26	50	−24	1872	185	'70	16	'69	0	0
20	Valentia ... (Cahirciveen)	9	8	5	7	2	9·3	10	1289	−156	102	+1	1880	166	'80	50	'16	14	4	9	4	0	0	11	12	1304	+110	63	−79	1870	272	'16	51	'05	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)	0	3	10	7	11	0	0	0	0
Ross-on-Wye	0	6	5	11	8	1	0	0	0
Falmouth (Obsy.)	4	4	9	5	4	3	2	0	0
Renfrew ...	0	5	7	6	7	6	0	0	0
Eskdalemuir	1	7	5	4	10	3	1	0	0
Aberdeen ...	0	1	7	11	6	6	0	0	0
Valentia ...	2	10	8	10	1	0	0	0	0

** 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.

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)	9	22	0	0	0	0	0	0	0	0
Ross-on-Wye	14	17	0	0	0	0	0	0	0	0
Renfrew ...	0	31	0	0	0	0	0	0	0	0
Eskdalemuir	3	27	0	0	1	0	0	0	0	0
Aberdeen ...	5	26	0	0	0	0	0	0	0	0
Valentia ...	9	22	0	0	0	0	0	0	0	0

CODE for State of Ground.

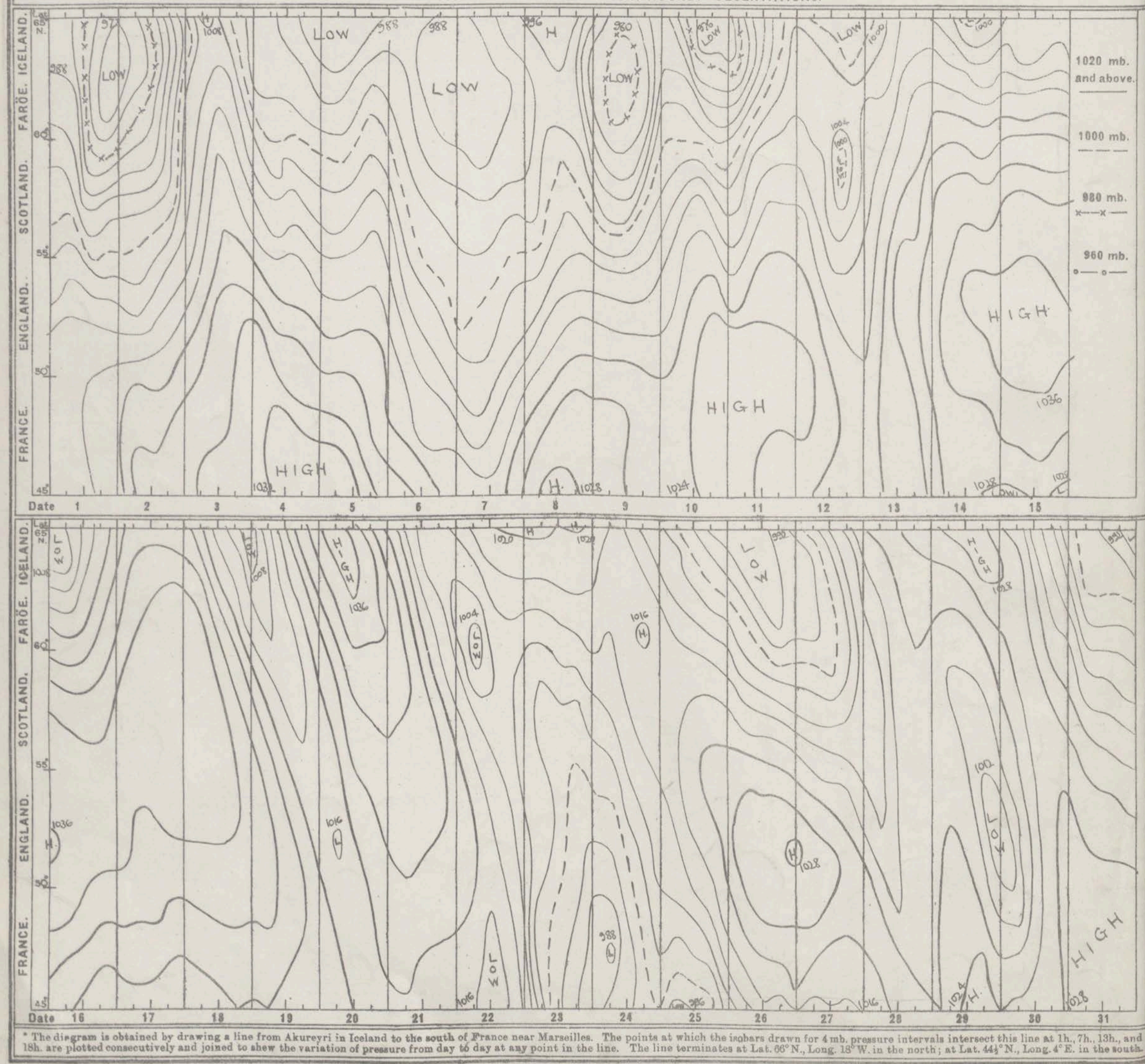
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

‡ 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 ..... OCTOBER, ... 1931

ISOPLETHS* BASED ON SIX-HOURLY OBSERVATIONS.



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

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

Pa.341/2337 Wt. 71 D.6005. Gp.908 370 11/31

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 1st October 1931.

No. 25515

OBSERVATIONS at 13h. G.M.T. 30th September

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)...	1010·4	-20	S'W	4	c	61	65	7	8	-	2	7-8	9	2500
	Croydon ...	1010·8	-18	SSE	4	c	60	75	7	8	-	1	9	9+	2500
	S. Farnborough	1010·1	-10	S'W	3	c	59	75	7	9	3	4	7-8	9+	1500
	Winchester ...	1009·4	-14	S'W	4	c	57	75	6	5	7	-	7-8	9+	1500
	Boscombe Down	1009·4	-14	SSW	3	c	57	75	6	5	2	-	7-8	10	1500
	Calshot, S'thmtn	1011·2	-8	SSW	4	c	58	75	6	5	2	-	7-8	10	1500
	Dungeness ...	*	*	SSW	3	bc	*	*	7	1	1	*	2-3	4-6	4000
	Lympne ...	1012·1	-12	S	3	bc	59	75	6	1	-	-	2-3	2-3	4000
2	Shoeburyness	1011·9	-14	S	4	bc	63	75	7	2	-	8	2-3	4-6	4000
	Felixstowe ...	1012·4	-14	SE'S	4	b	61	65	8	1	3	-	1	1	4000
	Gorleston ...	1013·1	-8	S'W	5	bc	59	85	7	1	7	8	2-3	4-6	4000
	Cranwell ...	1009·6	-10	S	3	c	59	65	6	5	-	-	10	10	2500
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1008·6	-6	SSW	4	c	57	75	6	5	-	-	9+	9+	2500
	Upper Heyford	1009·5	-12	S'W	3	c	58	85	6	5	2	-	7-8	10	4000
	Leafield ...	1006·9	-10	S'E	3	c	55	85	7	6	2	-	7-8	10	2500
4	Ross-on-Wye ...	1008·5	-10	SSW	3	c/p	56	75	6	6	2	-	2-3	10	2500
5	Portland Bill...	1009·6	-8	SSW	4	r.r.	57	75	7	4	2	-	4-6	10	2500
	Plymouth ...	1008·0	-10	S	5	r.r.	54	95	6	6	-	-	10	10	450
	Falmouth ...	1007·6	-8	SSW	4	ir	55	95	6	6	2	-	4-6	10	2500
	Scilly (St. Mary's)	1006·3	+6	NW'N	5	bc	61	85	7	2	7	3	2-3	4-6	4000
	Guernsey ...	1010·9	-6	S	2	d.d.	58	85	6	6	-	-	10	10	1500
6	Pembroke ...	1005·6	0	SW	3	c/r	54	95	7	8	7	-	7-8	9+	1500
7	Holyhead ...	1005·4	-6	S'W	5	c/d	56	95	7	5	-	-	10	10	800
	Chester (Sealand)	1006·7	-10	SSE	3	ir.	55	75	6	5	-	-	10	10	4000
8	L'pool (Bidston)	1006·1	-8	SSE	4	ir.	54	75	6	5	-	-	10	10	1500
9	Harrogate ...	1007·7	-14	SSE	3	c	56	75	5	5	7	-	7-8	9+	2500
10	Spurn Head ...	1009·3	-8	S'W	4	c	60	75	6	5	3	1	4-6	7-8	4000
	Tynemouth ...	1006·8	-16	S	3	o	56	75	6	6	-	-	10	10	1500
11	Inchkeith ...	1005·4	-10	SE	3	ir	52	95	6	6	2	-	4-6	10	2500
	Leuchars ...	1005·4	-14	SE	3	ir.	53	85	7	-	7	-	0	9+	-
12	Renfrew ...	1003·4	-14	SE	4	r.r.	54	85	6	5	2	-	4-6	10	1500
	Eskdalemuir ...	1005·2	-10	SSE	3	id.	49	95	6	5	2	-	4-6	10	1500
13A	Tiree	997·8	-8	SE'S	5	c	57	85	7	5	7	-	7-8	9	2500
13B	Stornoway ...	999·4	-6	SSE	3	rr	54	95	8	5	2	-	9	10	1500
15	Dalwhinnie ...	1003·0	-6	SE	4	ir.	49	85	7	4	2	-	9	10	800
	Aberdeen ...	1005·2	-12	S	4	c	55	75	6	5	-	-	10	10	2500
	Wick	1003·0	-12	SSE	5	c	53	85	7	5	7	-	7-8	10	2500
16	Lerwick ...	1005·6	-10	SSW	3	c	54	85	6	5	2	-	4-6	10	1500
17	Blacksod Point	1001·4	+20	WNW	7	u	56	75	7	9	-	-	9+	9+	<150
18	Malin Head ...	996·7	-8	S	5	id.	56	95	8	8	-	-	9	9	1500
	Aldergrove ...	1000·8	-6	SW'S	4	c	59	65	8	8	-	-	9	9	2500
	Donaghadee ...	1001·4	-6	SSW	3	bc	61	75	8	8	-	-	4-6	4-6	1500
19	Birr Castle ...	1003·6	+10	W	3	c	58	65	8	8	-	-	7-8	7-8	1500
20	Valentia Obsy.	1006·7	+10	W'S	3	bc/p	58	85	8	8	-	-	4-6	4-6	1500
	Roches Point...	1005·1	+12	NW	3	bc	61	65	8	3	-	-	4-6	4-6	2500

OBSERVATIONS at 18h. G.M.T. 30th September

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1009·6	-4	S'W	1	c	56	85	6	5	7	-	7-8	10	2500	1	*
	Croydon ...	1009·8	-4	SSE	4	c	56	85	5	5	2	-	7-8	10	2500	0	*
	S. Farnborough	1009·4	0	S'E	1	c/r.	55	95	5	5	2	-	7-8	10	4000	0	*
	Winchester ...	1009·2	-4	S	1	o	54	85	6	5	-	-	10	10	1500	0	*
	Boscombe Down	1009·3	+2	S	2	c	53	85	6	5	-	-	10	10	1500	0	*
	Calshot, S'thmtn	1010·2	-4	S'W	3	c	57	75	6	5	7	-	4-6	10	2500	0	1
	Dungeness ...	*	*	SSE	2	c	*	*	7	5	2	*	4-6	9	2500	*	0
	Lympne ...	1010·5	-2	SSE	3	c	56	85	6	5	7	-	7-8	10	4000	0	*
2	Shoeburyness	1010·5	-6	S	3	bc	58	95	7	-	-	9	0	4-6	—	0	*
	Felixstowe ...	1011·0	-6	SE'E	3	c	57	85	8	5	-	1	4-6	7-8	7200	0	1
	Gorleston ...	1010·7	-6	S'E	4	c	57	95	6	5	7	1	2-3	7-8	1500	0	3
	Cranwell ...	1008·5	-6	S'E	3	c	56	75	6	5	-	-	10	10	4000	0	*
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1008·4	0	SSW	2	c	53	85	6	6	2	-	9	10	2500	1	*
	Upper Heyford	1009·3	+2	S'W	2	c	54	85	6	5	2	-	9	10	2500	0	*
	Leafield ...	1008·6	-4	S	3	c	53	85	7	5	2	-	9	10	2500	0	*
4	Ross-on-Wye ...	1008·3	-6	S'W	3	c	54	85	6	5	-	-	10	10	2500	0	*
5	Portland Bill...	1008·6	-4	S'E	4	c	57	85	7	4	2	-	7-8	10	1500	1	3
	Plymouth ...	1007·5	+2	SSW	2	c/r	56	95	6	6	2	-	9+	10	450	1	2
	Falmouth ...	1008·6	+8	NW'W	2	bc	56	95	8	3	3	-	2-3	4-6	4000	1	2
	Scilly (St. Mary's)	1009·1	+10	NW	3	pr	56	95	7	3	-	-	4-6	4-6	4000	1	2
	Guernsey ...	1009·1	-6	S	3	rr	55	95	6	6	-	-	10	10	800	1	2
6	Pembroke ...	1006·5	+4	SW	2	bc	57	85	8	4	-	-	2-3	2-3	4000	1	1
7	Holyhead ...	1006·3	+10	SW	3	b	56	85	8	2	8	-	1	1	2500	1	1
	Chester (Sealand)	1006·9	+6	SSE	2	ir.	54	95	6	6	-	-	9	9	1500	1	*
8	L'pool (Bidston)	1006·4	+2	SSE	3	c/r.	54	85	7	5	-	-	7-8	7-8	1500	0	*
9	Harrogate ...	1007·0	0	S	3	ir.	54	85	5	6	2	-	9	10	2500	1	*
10	Spurn Head ...	1008·2	0	S	4	c	57	85	6	5	3	-	7-8	9+	4000	0	3
	Tynemouth ...	1005·5	-4	S	3	o	56	75	6	6	-	-	10	10	1500	0	2
11	Inchkeith ...	1003·6	-6	S	3	c	54	95	7	8	8	-	4-6	7-8	2500	1	3
	Leuchars ...	1003·7	-6	SE	4	ir.	53	95	6	6	7	-	7-8	9+	2500	1	*
12	Renfrew ...	1002·2	-6	S	3	c/pr	55	85	6	8	-	-	7-8	7-8	2500	1	*
	Eskdalemuir ...	1004·1	-2	S	4	c	50	95	6	6	2	-	9+	10	800	1	*
13A	Tiree	995·2	-16	SSW	3	id.	55	95	6	5	2	-	9	9	1500	1	2
13B	Stornoway ...	998·3	-8	S	4	c	55	85	8	4	7	-	4-6	7-8	2500	1	2
15	Dalwhinnie ...	1002·2	-16	S	4	c	49	95	7	9	2	-	7-8	9	800	1	*
	Aberdeen ...	1003·3	-8	SSE	3	c	53	95	5	5	3	-	7-8	9	450	0	1
	Wick	1001·1	-12	SSE	5	c	53	85	7	8	2	-	7-8	10	1500	0	3
16	Lerwick ...	1004·7	-12	SSW	2	c	52	95	6	5	-	-	10	10	800	0	*
17	Blacksod Point	1004·9	+26	WNW	4	bc	55	85	8	8	-	-	4-6	4-6	800	0	3
18	Malin Head ...	998·9	+24	WSW	5	dr	55	95	5	6	-	-	10	10	800	0	3
	Aldergrove ...	1002·3	+10	SSW	4	c	55	85	8	5	-	-	10	10	1500	1	*
	Donaghadee ...	1002·4	+8	SSW	3	pr.	55	85	8	8	3	-	2-3	4-6	1500	0	2
19	Birr Castle ...	1005·9	+14	W	2	bc	56	75	8	-	4	-	0	4-6	-	1	*
20	Valentia Obsy.	1008·7	+14	NW'W	2	bc	56	85	8	3	-	1	4-6	4-6	1500	1	3
	Roches Point...	1006·2	+8	NW	3	bc	59	75	9	3	-	-	4-6	4-6	2500	0	2

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. 30th (37)	13h.–18h. 30th (38)	18h. 30th to 18h. 1st (39)	18h.–7h. 1st (40)
1	London (Kew)...	bcm.wc	c3.	c3.cm.r.	cmwc3.rm.
	Croydon ...	bcc3.	c3.	mp.cm	cm.m
	S. Farnborough	bcc	cir.	cir.c	cmif
	Winchester ...	bccm.	cm.c.o.r.m.	o m.	cid.m.
	Boscombe Down	cm.r.	cm.	cm.	cm.cf
	Calshot, S'thmtn	cm.	cm.	c.pr.	cp.rm
	Dungeness ...	bc	c	*	bc
	Lympne ...	bc3.	bccm.	bccm.w	cm.w
2	Shoeburyness	bc	bc	ccm.	cmbcfw
	Felixstowe ...	b	bcc	cbc	bwm.
	Gorleston ...	cbcq	bcq	cbc	bcm.
	Cranwell ...	cfcm.	c3.	cbcm.	bccm.
3	Cardington ...	*	*	*	bcbcbwm
	Birmingham ...	c	c	c.p.r	cbcf
	Upper Heyford	cr.m.	ir.m.	cm.	cm.wm
	Leafield ...	mc	cir.	c	com
4	Ross-on-Wye ...	c	c	com.	cofe
5	Portland Bill...	c,cr.	cr.c3.	ir.irc3.	c
	Plymouth ...	od.rm.	oir.m.c	cb	bcofefe
	Falmouth ...	cirmq	cirbc	bc	bcP
	Scilly (St. Mary's)	ircbc	bc	bc	bcwc
	Guernsey ...	ocopr	odpr	oirc	oir.
6	Pembroke ...	orrc	cir.b		
7	Holyhead ...	id.dm.	cbcb	bbcbw	bm.bcc
	Chester (Sealand)	d.ir.	cir.m.	cr.bF	Febcf
8	L'pool (Bidston)	oir.	oir.c	r.cbb	bbcw
9	Harrogate ...	c	cir.	cir.	cbc
10	Spurn Head ...	oc	bc	bc	cbcw
	Tynemouth ...	co	o	obc	bc
11	Inchkeith ...	orrc	cir	ircbc	cprbc
	Leuchars ...	cir.m.	cir.m.	cr.bcp.	bc
12	Renfrew ...	cir.m.	ir.bcc	cm.rc	cm.
	Eskdalemuir ...	cord.	crc.dc	ccrr	c
13A	Tiree	oirbc	cir	cirid	c
13B	Stornoway ...	irror	c	cbc	bcid.c
15	Dalwhinnie ...	c	ir	*	bc
	Aberdeen ...	c	c3.	cirbc	bc
	Wick	c	c	c	c
16	Lerwick ...	cm.	cm.um	coir.m.	cm.
17	Blacksod Point	prqc	prcq	c	irq
18	Malin Head ...	cbccp.	cid.r	oid.rcbcc	c
	Aldergrove ...	cir.c	cprc	cir.c	c
	Donaghadee ...	r.r.bc	bcpr.	p.r bc	bcc
19	Birr Castle ...	bccpr	cbc	bcb	bbccor.
20	Valentia Obsy.	bccbc	bcp.cbc	bccpr.bc	ccrr.
	Roches Point...	bc	bcv	bcvb	bbccir.

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., 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.

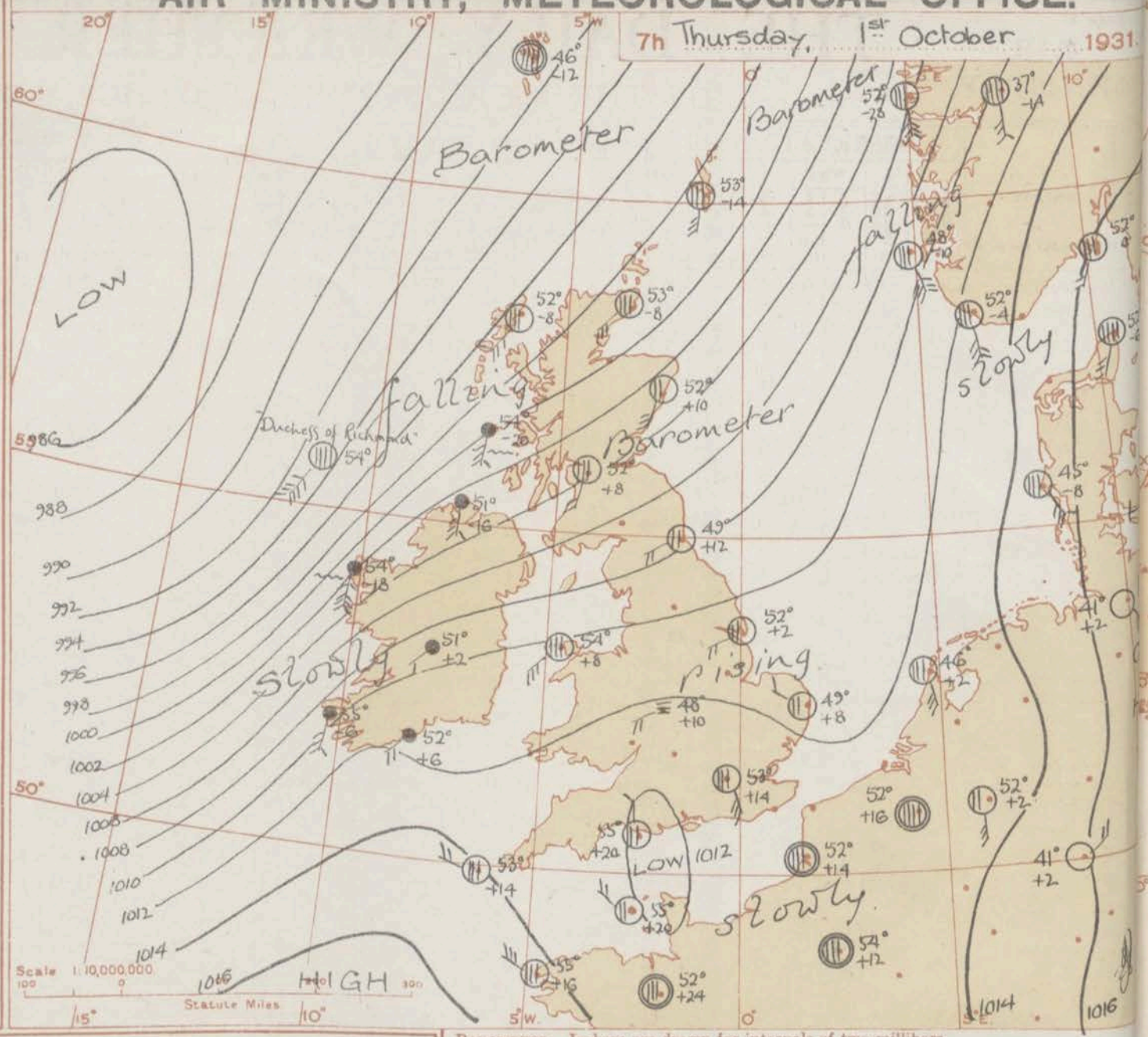
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 30th SEPTEMBER, 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 29th to 9h. 30th	Temperature. Max. 9h.—17h. 30th	Rainfall. Night. 17h. 29th to 9h. 30th	Rainfall. Day. 9h.—17h. 30th	Sunshine. Sunrise to 17h. 30th	Sunshine. Sunrise to Sunset 29th
1	Tunbridge W.	bc	bcco	46	62	-	-	6.6	0.5
	Bournemouth	o	o	48	61	-	-	0.1	6.2
	Ventnor ...	cz	bcou	55	61	-	-	2.1	9.2
	Southsea ...	bco	o	52	63	-	-	2.0	9.3
	Bognor Regis	bc	roc	47	61	-	Tr	3.6	9.2
	Littlehampton	bc	bcemp	48	61	-	Tr	4.6	6.3
	Worthing ...	bc	bcero	51	60	-	1	4.5	5.3
	Brighton ...	bc	bcebc	54	61	-	-	4.4	2.9
	Eastbourne†	b	bbcc	55	61	-	-	7.1	3.7
	Hastings† ...	b	bbc	52	62	-	-	7.6	2.6
	Folkestone ...	wbcb	bbcc	50	65	-	-	7.2	3.5
	Dover... ...	b	bbcc	51	62	-	-	8.8	4.2
	Deal	bcb	bbcc	50	64	-	-	8.4	4.1
	Ramsgate ...	bc	bc	52	62	-	-	8.8	4.3
	Margate ...	b	bbc	52	63	-	-	8.8	3.6
2	Southend ...	b	bcco	52	64	Tr	-	7.7	0.2
	Maldon ...	mumb	bbco	45	64	-	-	7.2	1.6
	Clacton-on-Sea	bc	bcz	53	60	-	-	9.0	3.7
	Dovercourt ...	bmum	bc	53	61	-	-	9.0	3.5
	Lowestoft ...	b	b	54	59	-	-	8.7	4.7
	Skegness ...	mumo	bco	52	61	-	-	5.5	0.6
	Mablethorpe	cbc	bcc	50	63	Tr	-	4.6	0.4
	Cleethorpes ...	oco	go	48	62	-	-	2.5	0.3
3	Leamington S.	oc	o	50	59	-	-	0.2	2.5
4	Cheltenham†	wbcc	epoc	46	58	Tr	Tr	0.4	3.3
5	Bath	c	cpo	47	59	Tr	Tr	0.1	0.9
	Weymouth ...	cbcc	cec	53	59	-	-	0.8	3.7
	Jersey ...	cbc	cr	55	60	-	1	1.5	9.5
	Torquay ...	rodpo	oirm	52	57	Tr	0.1	0.0	0.4
	Penzance ...	cr	crb	51	59	2	1	2.5	1.3
	St. Ives ...	p	pocbc	50	58	1	2	1.0	0.6
	Bude	odr	odrr	49	58	-	2	0.0	0.0
	Ilfracombe ...	od	od	52	58	-	1	0.0	0.0
6	Aberystwyth	circ	circ	51	57	1	2	0.3	2.0
7	Llandudno ...	crc	cbcb	51	62	2	0.1	1.7	2.2
	Colwyn Bay...	rr	pbc	50	59	1	1	0.6	2.3
	Rhyl	cmo	cprbc	50	57	0.1	Tr	0.1	1.5
8	Wallasey ...	oro	roc	50	55	1	2	0.0	4.8
	Southport‖ ...	orr	roc	50	53	1	2	0.0	5.4
	Blackpool ...	op	pc	50	55	0.1	1	0.0	4.3
	Morecambe ...	rdprc	dpcbc	48	56	Tr	1	0.1	3.5
9	Ilkley... ...	mumc	ocor	44	59	-	0.5	0.0	2.3
10	Berwick-on-T.	o	oro	48	56	-	Tr	0.0	1.5
11	Dunbar ...	omro	rorr	51	56	0.3	1	0.0	0.9
12	Douglas ...	omo	RRc	51	59	8	7	2.5	0.6

† 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 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 temperat

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 1st Oct., 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Wind variable, light, becoming southerly and freshening; mainly fair at first, probably rain during night; moderate temperature.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind southerly, moderate or fresh, perhaps strong on coasts, veering; cloudy; some rain; brighter intervals tomorrow; moderate temperature.
9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind southerly, moderate or fresh; cloudy; some rain; moderate temperature.
12. S.W. Scotland & Isle of Man 13. A. W Scotld. B. N.W. Scotland. ▼	Wind southerly, fresh or strong, veering; cloudy; some rain; showers or brighter intervals later; moderate or rather low temperature.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Wind southerly, moderate or fresh, stronger at times; cloudy; some rain; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland ▼	Wind veering west or northwest, fresh or strong, perhaps gale on coasts; occasional rain or showers and brighter intervals; moderate or rather low temperature.

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

GENERAL INFERENCE.

A low-pressure area off our western coasts is moving eastwards. Weather will be unsettled, especially in the North and West, but mainly fair at first in Eastern England.

FURTHER OUTLOOK.

Unsettled, especially in the North and West.

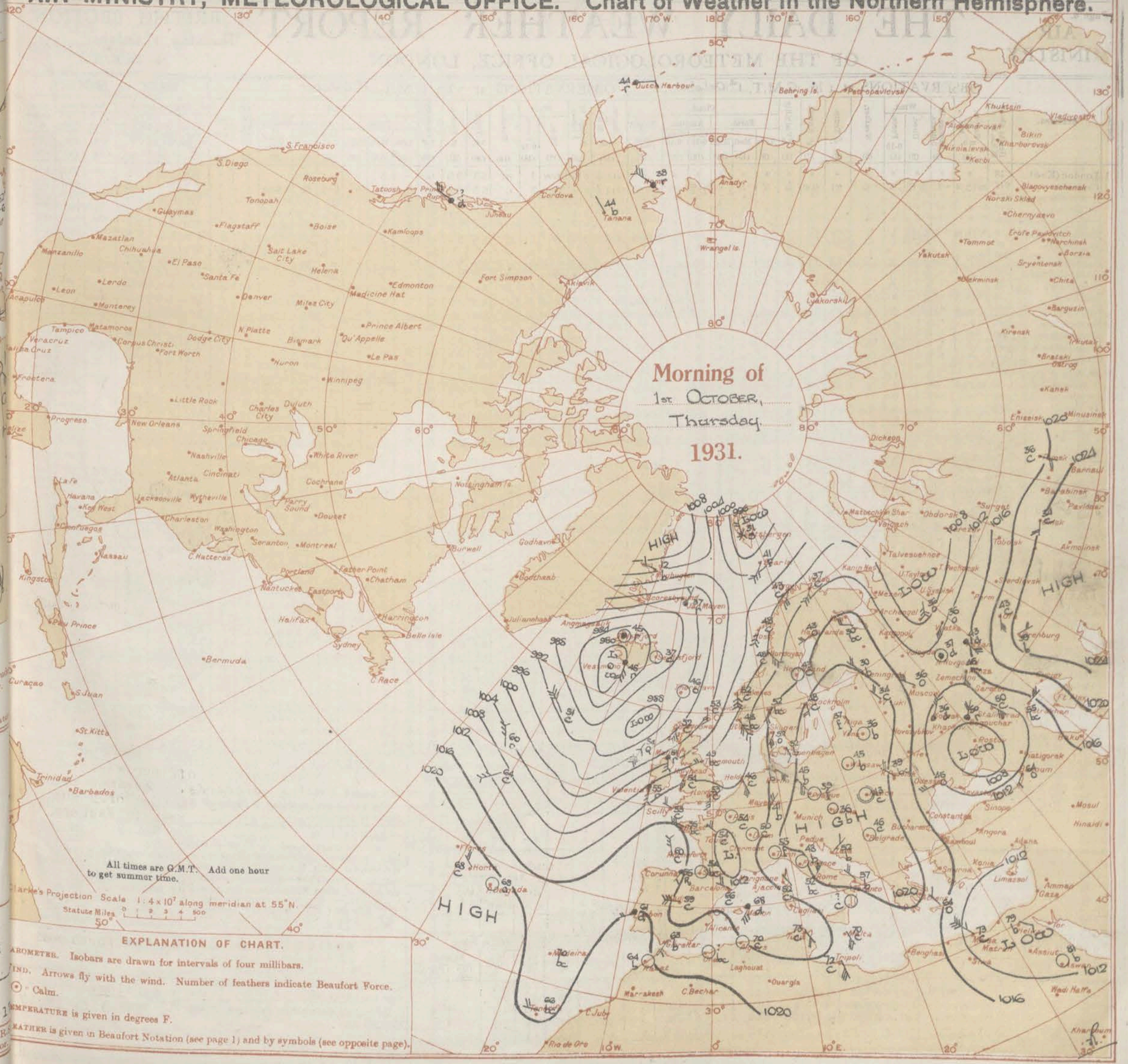
Time of Issue of Gale Warning.

▼ South Cone at 0808 on 1st in districts 13, 1 and 20.

Forecasts issued at 0930 G.M.T.

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

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



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 1st October 1931.

No. 25.515.

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

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	1010.4	+2	S'E	2	c	51	95	6	5	3	-	7-8	10	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1010.6	+2	ESE	2	c	55	85	7	5	-	-	10	10	2500
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1010.5	+6	NW'N	1	c	53	95	6	-	3	-	0	7-8	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1010.3	0	S'W	1	bc	56	95	6	1	-	-	4.6	4.6	4000
	Cranwell	240	1009.7	+2	S'W	2	c	48	95	6	3	-	-	7-8	7-8	4000
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1009.2	+2	S	1	c	56	95	6	4	7	-	7-8	10	1500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1010.3	+10	WNW	2	bc	52	85	8	5	-	-	2-3	2-3	4000
	Scilly (St. Mary's)	163	1011.7	+12	NW	4	bc	54	95	8	1	4	-	2-3	4-6	4000
	Guernsey	175	1010.0	+10	-	0	c	52	95	7	8	4	-	4-6	7-8	2500
6	Pembroke	142														
7	Holyhead	26	1009.0	+12	W	3	b	54	85	6	5	-	2	Tr	1	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1008.6	0	SW	3	c	53	95	6	5	3	-	4.6	7-8	2500
	Tynemouth	67	1006.0	0	SW	2	bc	50	95	6	5	-	-	4.6	4.6	800
11	Inchkeith	190	1003.6	0	SW	4	pr	54	95	8	8	-	-	7-8	7-8	2500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	998.2	+2	W	1	bc	51	95	8	4	7	-	2-3	4-6	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	998.8	-12	SSE	5	c	52	95	7	5	4	1	4-6	7-8	2500
16	Lerwick	54	1000.6	-18	SSE	4	c	53	95	6	5	-	-	10	10	800
17	Blacksod Point	18	1006.3	+6	-	0	c	55	95	7	-	2	-	0	10	-
18	Malin Head	52	1004.5	+6	W	4	c	53	95	8	2	5	-	2-3	7-8	1500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1010.2	+6	W	2	c	54	95	8	8	-	-	10	10	2500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 1st 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)	1012.8	+16	SSW	1	m	53	95	4	-	3	-	0	9+	-	1	*
	Croydon	1012.6	+14	S'E	3	c	53	95	4	5	3	-	4-6	10	2500	1	*
	S. Farnborough	1012.5	+14	S'E	1	if	52	95	3	5	-	-	9+	9+	5700	1	*
	Winchester	1012.5	+16	-	0	c	51	95	5	5	-	1	4-6	7-8	4000	1	*
	Boscombe Down	1012.5	+12	vv	1	c/f	52	95	4	5	3	-	4-6	9+	800	0	*
	Calshot, (S'thmtn)	1012.2	+12	N	1	c	55	95	4	5	7	-	4-6	9+	1500	0	0
	Dungeness	*	*	NW	2	c	*	*	5	5	3	*	7-8	9+	4000	*	0
	Lympne	1012.5	+18	N'W	1	c	53	95	6	-	3	-	0	9+	-	0	*
2	Shoeburyness	1012.8	+18	SW'W	1	xf	43	95	2	-	7	-	0	2-3	-	0	*
	Felixstowe	1012.5	+20	vv	1	b	51	95	5	-	-	-	0	0	-	0	0
	Gorleston	1011.7	+8	NW'W	1	bc	49	95	5	5	-	-	4-6	4-6 ~~7-8~~	1500	0	1
	Cranwell	1011.4	+12	SW'W	2	c	50	95	5	5	-	-	9+	9+	800	0	*
3	Cardington	1011.7	+10	SW'S	2	bc	48	95	5	-	3	-	0	2-3	-	*	*
	Birmingham	1012.3	+10	WSW	2	bcf	48	95	3	-	-	6	0	4-6	-	1	*
	Upper Heyford	1012.4	+16	SW	1	m	50	95	4	5	-	-	10	10	800	0	*
	Leafield	1012.2	+10	SW'S	2	m	50	95	4	5	-	-	10	10	220	0	*
4	Ross-on-Wye	1012.4	+12	W	1	of	48	95	1	5	-	-	10	10	<150	0	*
5	Portland Bill	1011.4	+20	N	1	c	55	95	7	4	8	9	4-6	7-8	2500	1	2
	Plymouth	1013.8	+24	-	0	f	46	95	2	5	-	-	10	10	<150	1	0
	Falmouth	1013.4	+10	NW'W	2	bc	54	95	8	2	-	9	2-3	4-6	4000	1	1
	Scilly (St. Mary's)	1014.2	+14	WNW	2	c	53	95	8	8	-	2	2-3	7-8	4000	0	2
	Guernsey	1012.9	+20	NW	2	bc	55	95	7	8	4	-	4-6	4-6	1500	1	1
6	Pembroke																
7	Holyhead	1010.2	+8	SW	3	c	54	85	8	5	-	7	1	10	1500	1	1
	Chester (Sealand)	1011.1	+14	SE	2	cm	43	95	4	5	-	6	Tr	7-8	2500	1	*
8	L'pool (Bidston)	1010.6	+12	SSW	3	c	50	95	5	5	-	9	2-3	7-8	1500	0	*
9	Harrogate	1010.3	+6	S	3	bc	49	95	5	5	-	9	Tr	4-6	4000	1	*
10	Spurn Head	1010.5	+2	WSW	2	bc	52	95	6	4	3	1	2-3	4-6	1500	1	1
	Tynemouth	1007.9	+12	WSW	2	bc	49	95	5	2	-	1	2-3	4-6	2500	0	1
11	Inchkeith	1006.0	+8	SW	4	pr	53	85	8	8	9	-	4-6	7-8	2500	0	3
	Leuchars	1004.7	+8	SW	3	c	51	95	8	1	5	4	1	7-8	2500	1	*
12	Renfrew	1005.7	+8	SSW	2	c	52	85	6	8	-	-	9+	9+	1500	1	*
	Eskdalemuir	1007.1	+10	SSW	4	c	48	95	6	5	-	8	9	9+	450	1	*
13A	Tiree	1000.7	-20	S'W	4	ir	54	95	7	6	2	-	9+	9+	1500	1	4
13B	Stornoway	997.3	-8	SSW	4	c	52	95	8	8	7	9	4-6	7-8	4000	0	3
15	Dalwhinnie	1002.5	+6	SSE	4	c	47	85	8	4	6	4	2-3	7-8	2500	1	*
	Aberdeen	1002.6	+10	SSW	3	bc	52	85	7	5	3	-	1	2-3	2500	1	1
	Wick	998.6	-8	SW	3	c	53	85	8	8	6	1	4-6	7-8	2500	0	3
16	Lerwick	998.0	-14	S	3	c	53	95	5	5	2	-	4-6	10	800	0	*
17	Blacksod Point	1002.3	-18	SSW	8	rr	54	95	7	6	-	-	10	10	<150	1	6
18	Malin Head	1002.6	-16	S	4	ir	51	95	7	6	2	-	4-6	9+	1500	0	2
	Aldergrove	1006.7	-2	S'E	4	c	48	95	7	5	2	-	2-3	10	800	1	*
	Donaghadee	1007.1	0	SSW	2	c	49	95	8	5	1	2	4-6	7-8	2500	0	0
19	Birr Castle	1008.1	+2	SW	1	rr	51	95	7	6	-	-	10	10	1500	1	*
20	Valentia Obsy.†	1010.0	-6	S	4	rr	55	95	8	6	2	-	7-8	10	800	1	3
	Roches Point	1011.4	+6	SW	2	ir	52	95	7	6	-	-	7-8	7-8	1500	1	2

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 30° N. Hrs. (36)
1	London (Kew)	62	52	46	-	Tr.	3.1
	Croydon	62	50	46	-	0.1	3.3
	S. Farnborough	62	52	49	Tr	Tr.	3.0
	Winchester	59	51	48	Tr	Tr.	0.7
	Boscombe Down	58	50	42	Tr	-	*
	Calshot, (S'thmtn)	59	54	52	-	Tr.	0.7
	Dungeness	63	49	*	-	-	*
	Lympne	60	50	42	-	-	7.7
2	Shoeburyness	63	40	*	-	-	8.3
	Felixstowe	61	50	36	-	-	9.4
	Gorleston	61	49	46	~~-~~	-	8.7
	Cranwell	61	48	44	-	-	0.7
3	Cardington	*	*	*	*	*	*
	Birmingham	57	47	45	-	Tr.	0.4
	Upper Heyford	60	48	37	Tr	-	*
	Leafield	56	46	33	Tr	-	0.0
4	Ross-on-Wye	57	48	41	-	-	0.1
5	Portland Bill	59	54	*	Tr	0.6	*
	Plymouth	57	46	42	2	Tr.	0.0
	Falmouth	57	52	*	2	0.1	0.4
	Scilly (St. Mary's)	61	52	*	3	Tr.	6.5
	Guernsey	59	52	45	1	0.6	1.0
6	Pembroke	59		*	4		2.6
7	Holyhead	61	52	46	1	-	3.8
	Chester (Sealand)	56	39	35	0.5	Tr.	0.0
8	L'pool (Bidston)	55	47	44	1	Tr.	0.0
9	Harrogate	57	47	41	0.2	0.5	0.0
10	Spurn Head	60	51	*	-	Tr.	2.6
	Tynemouth	57	49	44	-	-	*
11	Inchkeith	55	50	49	4	0.1	0.0
	Leuchars	55	49	39	0.6	0.4	0.0
12	Renfrew	57	52	47	0.3	1	1.3
	Eskdalemuir	50	47	46	3	3	0.0
13A	Tiree	58	51	45	4	0.2	1.4
13B	Stornoway	56	49	*	1	0.1	0.5
15	Dalwhinnie	51	46	42	1	1	0.3
	Aberdeen	55	52	48	-	1	0.0
	Wick	53	50	*	-	-	*
16	Lerwick	55	52	*	-	1	0.0
17	Blacksod Point	57	52	*	3	4	*
18	Malin Head	58	51	*	1	0.5	1.4
	Aldergrove	60	45	40	0.2	0.2	1.9
	Donaghadee	63	46	*	3	0.4	*
19	Birr Castle	61	47	35	0.1	0.2	8.0
20	Valentia Obsy.†	59	52	45	0.1	1	8.6
	Roches Point	63	47	*	-	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 9h.
Kew	18	bcm,wc	c3o	c2,cmwc	62	52	46	-	Tr.	3.1	*	*	6
Croydon	217	bcc3o	c3o	mp,cm	62	50	46	-	0.1	3.3	*	*	6
Greenwich (Royal Observatory)	149	c	c	cw	65	49	36	-	Tr.	3.3	70	74	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	2.7	*	*	*
Westminster (St. James' Park)	27	*	*	*	63	53	50	-	-	4.4	62	79	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	3.6	*	*	*
Camden Square	110	c	c	*	64	53	50	-	-	*	At 18h. 84		*
Kensington	80	bcc	co	*	63	52	46	-	-	3.0	75	84	*
Hampstead Observatory	450	bc	bc	*	61	50	41	-	-	3.5	*	88	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.
1.0	8h. 30m	<0.3	12h. 30m

Kew Observatory Max.	Time.	Min.	Time.
0.3	23h. 30m	0.1	12h. 30m

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 30th September Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 1st October 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	1011.7	WSW	3	c3	63	1012.5	-	0	c	54	68	54	-	1
Brussels	1012.6	SSE	2	b	52	1013.6	-	0	o	52	63	50	-	-
Berlin	1020.0	SE	1	b	50	1019.5	SE	3	b	45	59	39	-	-
Zurich	1016.0	SE	1	bc3	52	1016.8	SW	1	m	39	63	39	-	-
Rome	1018.6	WSW	3	c	68	1020.5	NE	3	bc	52	73	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.

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 2nd October, 1931.

No. 25,516.

OBSERVATIONS at 13h. G.M.T. 1st 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)	Cloud. Height of Base (feet) (14)
1	London (Kew)	1014.3	0	SW	3	c	62	65	7	2	-	2	4-6	7-8	2500
	Croydon	1014.1	0	SW'W	3	c	62	75	6	7	-	1	7-8	7-8	4000
	S. Farnborough	1014.0	+2	WSW	2	c	60	65	7	2	3	1	4-6	7-8	4000
	Winchester	1014.5	+2	W	3	c	63	55	8	7	-	6	2-3	7-8	2500
	Boscombe Down	1014.5	0	W	3	c	63	65	7	1	3	8	4-6	7-8	4000
	Calshot, S'thmtn	1014.7	+4	W'S	2	c	66	55	7	8	4	6	2-3	9	4000
	Dungeness	*	*	S	2	bc	*	*	6	-	7	*	0	4-6	-
	Lympne	1014.2	+6	S'W	3	c	62	75	6	8	-	-	9	9	2500
2	Shoeburyness	1014.2	+4	SW	3	bc	65	65	6	5	3	6	2-3	4-6	5700
	Felixstowe	1014.0	+2	S'E	3	bc	60	75	7	8	-	-	4-6	4-6	4000
	Gorleston	1013.0	0	SW'W	3	c	67	65	6	4	-	-	7-8	7-8	2500
	Cranwell	1012.3	-2	SW	3	c	60	65	6	1	3	6	2-3	7-8	2500
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1013.2	+2	WSW	3	c	58	75	8	1	-	6	2-3	9	2500
	Upper Heyford	1013.7	-2	SW'S	3	c	62	65	7	2	-	8	4-6	7-8	4000
	Leafield	1013.6	0	SW'W	3	c	59	65	8	1	-	6	1	7-8	4000
4	Ross-on-Wye	1013.5	0	WSW	4	c	61	65	8	1	-	7	2-3	10	4000
5	Portland Bill	1015.2	+6	WSW	3	bc	60	75	8	1	6	9	2-3	4-6	2500
	Plymouth	1015.6	+2	WSW	3	bc	61	85	8	2	7	9	Tr	4-6	4000
	Falmouth	1015.8	+4	SW'W	4	bc	60	85	8	8	6	-	4-6	4-6	4000
	Scilly (St. Mary's)	1016.3	+6	WSW	4	c	60	95	8	2	7	-	2-3	9+	4000
	Guernsey	1016.6	+12	WNW	2	bc	61	75	8	7	1	-	2-3	4-6	2500
6	Pembroke														
7	Holyhead	1010.2	-6	SSW	6	r₀r₀	53	95	6	6	2	-	1	10	800
	Chester (Sealand)	1011.6	+2	SW	4	ir₀	58	75	8	6	2	-	7-8	9+	2500
8	L'pool (Bidston)	1011.2	0	WSW	4	r₀r₀	56	85	8	5	2	-	7-8	10	1500
9	Harrogate	1010.3	+14	S	3	ir₀	55	85	6	6	2	-	2-3	10	2500
10	Spurn Head	1011.1	0	W	4	c	61	65	6	5	3	9	2-3	9	2500
	Tynemouth	1006.5	-4	SW	3	c	58	75	7	6	-	-	7-8	7-8	1500
11	Inchkeith	1004.1	-6	SW	5	c	55	85	8	4	7	-	4-6	10	2500
	Leuchars	1003.0	-18	SSW	4	ir₀	56	85	7	6	7	-	4-6	9+	1500
12	Renfrew	1003.4	-20	SW	5	ir₀	52	95	6	6	2	-	9	10	1500
	Eskdalemuir	1005.8	-10	SSW	6	ir₀	52	85	6	6	2	-	7-8	10	800
13A	Tiree	995.4	-16	SSW	6	r₀r₀	56	85	6	5	2	-	8+	10	450
13B	Stornoway	988.4	-36	SSW	8	DD	54	95	5	6	-	-	10	10	1500
15	Dalwhinnie	991.3	-24	SW	7	pr	51	85	8	9	2	-	4-6	9	800
	Aberdeen	1000.1	-20	SSW	4	ir₀	53	85	6	6	7	-	4-6	9+	1500
	Wick	993.5	-36	SSW	5	c	54	85	8	8	4	-	7-8	9	1500
16	Lerwick	994.1	-20	S'E	3	c	53	95	6	5	4	8	4-6	9+	800
17	Blacksod Point	1001.3	-4	SW'W	8	DD	59	95	7	6	-	-	10	10	<150
18	Malin Head	998.4	-4	SSW	5	Dr	55	95	5	6	2	-	9	10	800
	Aldergrove	1003.9	-20	S	5	ir₀	52	95	6	6	2	-	7-8	10	450
	Donaghadee	1004.4	-20	SW	3	ir₀	53	95	7	6	-	-	7-8	7-8	2500
19	Birr Castle	1007.0	-4	SW	4	r₀r₀	58	95	7	6	-	-	10	10	1500
20	Valentia Obsy.	1009.6	-2	SW'S	5	c	61	95	7	5	-	-	10	10	800
	Roches Point	1011.2	0	SW	3	dd	57	95	6	5	-	-	10	10	800

OBSERVATIONS at 18h. G.M.T. 1st 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)	Cloud. Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1015.3	+6	SW	2	c	59	75	5	-	-	7	0	10	-	1	*
	Croydon	1015.0	+6	SSW	3	c	58	75	5	-	-	6	0	9	-	0	*
	S. Farnborough	1015.5	+10	SW	2	c	57	75	7	-	1	-	0	9+	-	1	*
	Winchester	1015.9	+6	WSW	3	c	58	75	8	-	7	-	0	10	-	0	*
	Boscombe Down	1015.7	+10	WSW	3	c	57	85	7	5	3	-	4-6	9+	2500	0	*
	Calshot, S'thmtn	1016.0	+6	SW	3	c	58	85	7	5	4	7	Tr	9+	4000	0	1
	Dungeness	*	*	SW	3	c	*	*	7	8	9	*	2-3	7-8	2500	*	1
	Lympne	1016.1	+12	SW	3	bc	55	95	5	-	-	6	0	4-6	-	0	*
2	Shoeburyness	1015.2	+6	WSW	3	c	57	96	6	-	7	-	0	9+	-	0	*
	Felixstowe	1014.6	+2	S	3	c	58	85	7	5	3	-	4-6	7-8	4000	0	1
	Gorleston	1013.5	+4	SW	3	c	58	85	6	5	7	-	4-6	9	1500	0	2
	Cranwell	1012.1	-2	SW	3	c	57	75	6	5	2	-	7-8	10	4000	0	*
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1013.2	0	SW	3	c	56	85	8	6	2	-	4-6	9+	1500	0	*
	Upper Heyford	1014.8	+6	SW	3	c	56	75	8	5	7	-	4-6	10	5700	0	*
	Leafield	1014.7	+6	SW	3	c	56	75	8	5	3	6	2-3	10	4000	0	*
4	Ross-on-Wye	1013.9	0	SW	4	ir₀	55	85	7	6	2	-	1	10	2500	0	*
5	Portland Bill	1015.9	+6	SW'W	4	r₀r₀	59	85	7	4	7	-	7-8	10	2500	0	3
	Plymouth	1016.8	+6	SW'W	4	ir₀	57	95	7	8	-	-	10	10	1500	1	2
	Falmouth	1015.8	0	SW	4	c	57	95	8	5	-	-	10	10	4000	0	2
	Scilly (St. Mary's)	1016.9	+4	SW'W	5	c	57	95	6	4	2	-	4-6	9+	4000	0	3
	Guernsey	1018.5	+14	WSW	3	bc	57	85	7	7	-	1	4-6	4-6	2500	0	3
6	Pembroke																
7	Holyhead	1009.2	-6	SSW	5	id₀	57	95	6	6	2	-	9+	10	450	1	2
	Chester (Sealand)	1010.7	-4	SSW	3	c	56	75	8	6	2	-	4-6	7-8	1500	1	*
8	L'pool (Bidston)	1010.0	-2	SW'W	4	ir	54	55	9	6	-	-	10	10	1500	1	*
9	Harrogate	1009.7	+6	S	3	c	54	85	6	6	2	-	9	10	2500	1	*
10	Spurn Head	1010.4	0	SW'W	4	c	57	85	6	5	2	-	7-8	7-8	4000	0	3
	Tynemouth	1005.9	-10	SW	4	c	56	85	6	6	-	-	7-8	7-8	1500	0	2
11	Inchkeith	1000.6	-12	SSW	6	c	57	85	8	3	2	-	4-6	10	2500	0	4
	Leuchars	1001.0	-6	SW	6	id₀	55	95	7	6	7	8	4-6	9+	800	1	*
12	Renfrew	1001.2	-4	WSW	5	dd	57	95	5	6	2	-	9+	10	450	1	*
	Eskdalemuir	1003.9	-10	S'W	5	dd	53	95	5	5	-	-	10	10	220	1	*
13A	Tiree	996.9	+8	SSW	5	of	57	95	3	5	-	-	10	10	<150	1	3
13B	Stornoway	992.3	-20	WSW	5	r₀r₀	55	95	7	6	-	-	10	10	1500	2	3
15	Dalwhinnie	997.7	-2	SW	4	pr	53	95	7	9	1	-	4-6	7-8	800	1	*
	Aberdeen	998.0	0	S	3	c	54	85	7	6	3	-	7-8	9+	450	1	2
	Wick	992.0	-4	SSW	3	c	57	85	8	8	9	4	4-6	7-8	1500	0	3
16	Lerwick	987.7	-40	S	7	rr	53	95	6	6	-	-	10	10	450	1	*
17	Blacksod Point	1007.3	+4	SW'W	6	DD	59	95	7	6	-	-	10	10	<150	1	5
18	Malin Head	999.7	+6	SW	4	Dr	58	95	5	6	2	-	7-8	10	1500	1	2
	Aldergrove	1003.1	+2	S'W	4	c	60	95	8	5	-	-	10	10	800	1	*
	Donaghadee	1003.1	-4	SW	2	pr₀	60	95	7	6	-	-	7-8	7-8	800	1	1
19	Birr Castle	1006.9	-2	SW	2	r₀r₀	60	95	6	6	-	-	10	10	1500	1	*
20	Valentia Obsy.	1010.2	+6	SW'S	5	c	60	95	6	5	-	-	10	10	450	1	4
	Roches Point	1010.8	+2	SW	3	id	59	95	6	5	-	-	10	10	800	1	4

PAST 24 HOURS.

Stations	Weather. 7h.–13h. 1st (37)	Weather. 13h.–18h. 1st (38)	Weather. 18h. 1st to 1h. 2nd (39)	Weather. 1h.–7h. 2nd (40)
London (Kew)	c3₀wbc	c	c3₀	or₀o
Croydon	cm₀o	bcc3₀	c	cd₀d₀
S. Farnborough	cifc	c	ccr₀	ccd₀
Winchester	bccm₀cy	cyc	ccr	coir₀
Boscombe Down	cm₀bc	bcc	cr	cd₀m₀
Calshot, S'thmtn	ca₀cm₀	c	c	cir₀
Dungeness	bc	bc	*	o
Lympne	bc3₀	cbc3₀	ccmw	cofdodo
Shoeburyness	bcfbcm₀	bccm₀	cm₀	cm₀
Felixstowe	bm₀bc	bc	bcc	c3₀
Gorleston	bcm₀b	cm₀	bcc	cq
Cranwell	cmbcc	c3₀c	cr₀c	c
Cardington	*	*	*	c
Birmingham	bcc	cpr₀	cp₀r	c
Upper Heyford	cm₀	c	ir₀	od₀m₀
Leafield	cbc	c	cir₀	coid₀
Ross-on-Wye	fcbcc⊕	cp₀c	r₀orro	oc
Portland Bill	cbc	bcc	c	cddcddcq
Plymouth	ofebc	bccir₀	cr₀d₀	odd₀m₀
Falmouth	bc	bccr₀	cr₀q	cod₀m₀
Scilly (St. Mary's)	c	c	omidc	odf
Guernsey	bccbc	bc	bcco	odod
Pembroke				
Holyhead	cr₀r₀	r₀r₀q	com₀q	cm₀fq
Chester (Sealand)	cm₀r₀	cir₀y	c	bccq
L'pool (Bidston)	bccr₀	cor₀v	cvcq	vbcqq
Harrogate	bccir₀	cir₀	cq	cq
Spurn Head	cmc	bc	cpre	bc
Tynemouth	bc	cpq	cq	cbcq
Inchkeith	cir	c	c	coir
Leuchars	crcir₀	circcq	cid₀qm₀	od₀m₀Rqv
Renfrew	cir₀q	r₀r₀ddq	cddc	cr₀r₀
Eskdalemuir	cir₀	crrodd	odd	cddc
Tiree	crr	cir₀omnif	ofird	oirir
Stornoway	oDd	or₀r	cpr	cPR
Dalwhinnie	r	r	r	r
Aberdeen	bccir	cr₀j₀c	cir₀	cir
Wick	cr₀rc	c	c	d₀r₀r
Lerwick	c	cr₀r₀m₀	or₀rir₀pr	cpr
Blacksod Point	ddq	dd	dd	dd
Malin Head	ciDrnp₀	cim₀Drdr	oDrdciD	cDrcrr
Aldergrove	crrd₀	cd₀o	co	oodrr
Donaghadee	cir₀	cpr₀	c	cir₀
Birr Castle	or₀r₀	or₀r₀	or₀r₀	or₀rir₀
Valentia Obsy.	cr₀r₀d₀c	cir₀id	cid	cidir₀c
Roches Point	cir₀dd	oodid	oid₀c	coid

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
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.

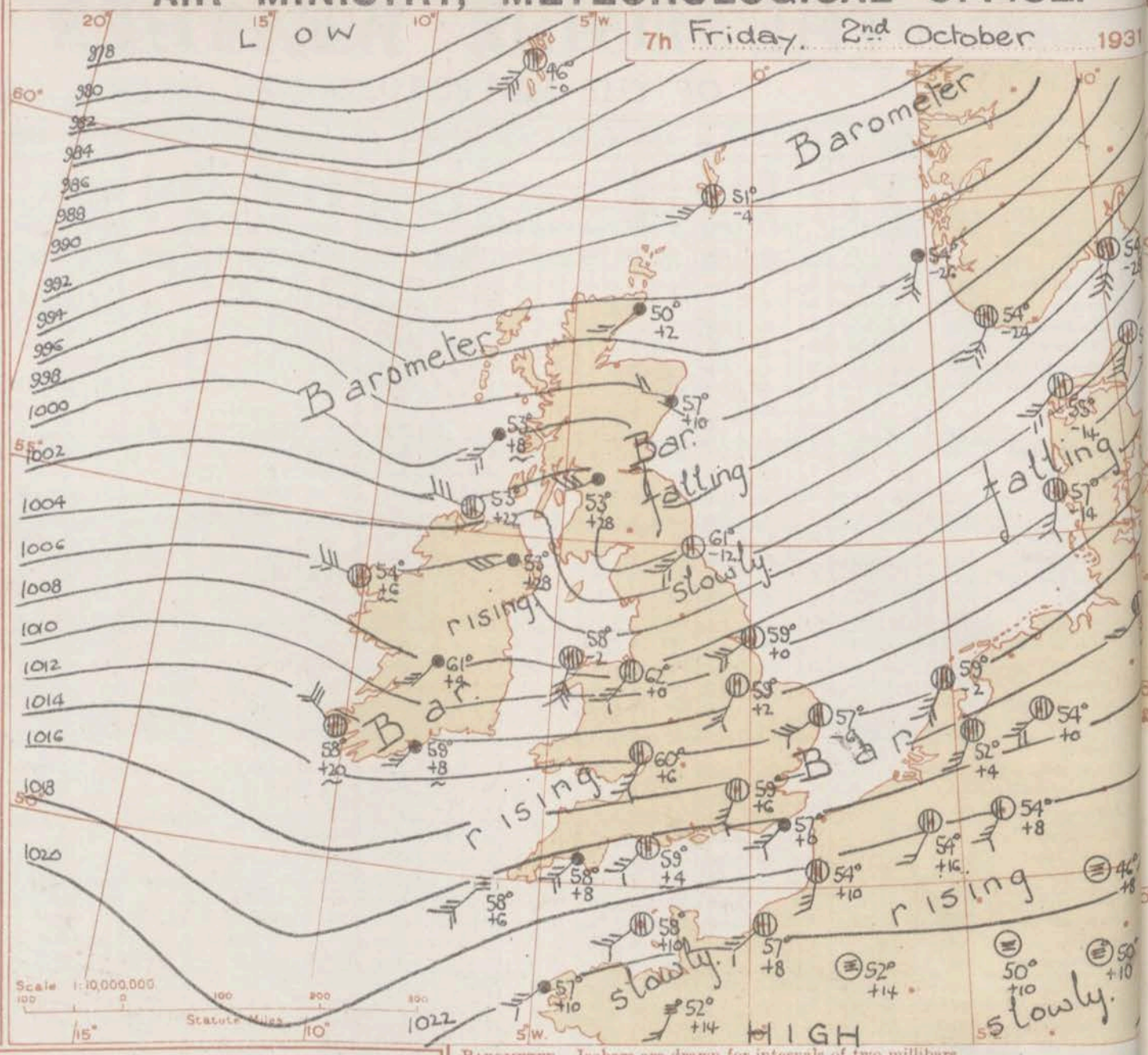
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 1st October 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h.30s to 9h.1st	Temperature. Max. 9h.—17h. 1st	Rainfall. Night. 17h.30s to 9h.1st	Rainfall. Day. 9h.—17h. 1st	Sunshine. Sunrise to 17h. 1st	Sunshine. Sunrise to Sunset. 30s
1	Tunbridge W.	bbc	bcc	43	64	–	–	4.1	6.6
	Bournemouth	cbc	bcc	52	68	2	–	5.7	0.1
	Ventnor ...	pooz	bcov	55	68	Tr	Tr	4.9	2.1
	Southsea ...	oc	bbc	54	66	–	–	4.3	2.0
	Bognor Regis	ocbc	cbc	53	63	–	–	3.5	3.6
	Littlehampton	cbc	bc	51	62	–	–	4.6	4.6
	Worthing ...	oc	bcc	52	63	–	–	4.5	4.5
	Brighton ...	cbc	bc	49	64	–	–	5.5	4.4
	Eastbourne†	cbcbbc	bcbbc	50	63	–	–	7.5	7.1
	Hastings† ...	b	bbc	51	65	–	–	7.6	7.6
	Folkestone ...	wbcb	bbcm	52	69	–	–	7.0	7.2
	Dover... ...	bcb	bbc	52	63	Tr	–	8.0	8.8
	Deal	b	b	51	65	–	–	8.2	8.4
	Ramsgate ...	bc	bc	52	64	–	–	6.1	8.8
	Margate ...	bc	bc	52	65	–	–	6.4	8.8
2	Southend ...	b	bcc	50	68	Tr	–	4.7	7.7
	Maldon ...	fbbc	bcc	40	66	–	–	3.4	7.2
	Clacton-on-Sea	bfbc	bccbc	48	64	–	–	7.3	9.0
	Dovercourt ...	wfbc	bc	48	64	–	–	5.0	9.0
	Lowestoft ...	bbc	bm	47	63	–	–	5.8	8.7
	Skegness ...	obc	bco	47	63	–	–	5.3	5.5
	Mablethorpe	bc	bc	45	63	–	Tr	5.6	4.6
	Cleethorpes ...	wcb	bcrc	47	63	–	Tr	3.8	2.5
3	Leamington S.	oc	o	52	61	–	–	2.2	0.2
4	Cheltenham†	wbc	r	49	62	–	–	2.2	0.4
5	Bath	bcbbc	bbc	50	63	–	–	5.2	0.1
	Weymouth ...	cb	bbc	53	65	0.1	–	6.6	0.8
	Jersey ...	rcbc	bc	55	63	1	–	6.6	1.5
	Torquay ...	pwbc	bccro	46	66	1	Tr	6.9	0.0
	Penzance ...	bc	cpro	50	62	–	Tr	3.9	2.5
	St. Ives ...	c	c	52	60	–	–	3.0	1.0
	Bude	bcc	cbir	41	61	–	1	2.9	0.0
	Ilfracombe ...	cbc	cod	51	61	1	0.3	1.9	0.0
6	Aberystwyth	cprc	ccir	48	57	Tr	1	0.7	0.6
7	Llandudno ...	cpoc	ercc	49	58	–	0.2	0.3	2.3
	Colwyn Bay...	c	croc	47	58	–	1	0.2	1.2
	Rhyl	emo	roc	46	58	–	0.2	0.4	0.5
8	Wallasey ...	ecp	cir	47	58	–	1	0.0	0.0
	Southport‖ ...	moco	doro	46	57	–	2	0.0	0.0
	Blackpool ...	cb	or	46	57	–	4	0.0	0.0
	Morecambe ...	cbco	rrdr	48	57	Tr	6	0.1	0.1
9	Ilkley... ...	bcc	cpoc	47	59	Tr	Tr	1.6	0.0
10	Berwick-on-T.	co	oc	50	57	–	–	2.0	0.0
11	Dunbar ...	bcro	crc	51	59	Tr	Tr	0.2	0.0
12	Douglas ...	cor	orrq	49	56	–	7	0.0	2.9

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with the wind. Number of feathers indicate Beaufort force. Calm. = ⊙
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :—
○ Clear sky. ◐ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 6/10 to 9/10 clouded. ● Overcast sky.
● Rain falling. ✱ Snow. ▲ Hail. ≡ Fog. ≡ Mist. ⊤ Thunder. ⊼ Thunderstorm.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	Forecasts for the 24 hours commencing 12 noon, G.M.T. 2nd Oct. 1931.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England	Wind southwest or west, moderate or fresh; cloudy; occasional drizzle and perhaps rain later; mild at first, perhaps becoming cooler.
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind southwest or west, moderate or fresh, perhaps strong locally; cloudy, occasional rain or showers; perhaps cooler later, with bright intervals.
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	Wind southwest or west, fresh or strong, perhaps gale locally on coast; cloudy, occasional rain or showers; some brighter intervals; cooler.

GENERAL INFERENCE.

A deep depression between Iceland and Norway is likely to move northeast and secondary disturbances will cross the British Isles in an easterly direction. Southwest or west winds and unsettled weather, though with fair intervals, will occur generally, and cooler conditions will spread from the Northwest.

FURTHER OUTLOOK.

Unsettled, especially in the Northwest, but some fair periods; probably cooler in the North.

Times of issue of Gale Warnings.

South cone at 0808 on 1st in districts 13, 17 and 20, and 1345 on 1st in districts ~~15 and 16~~.

Forecasts issued at 0920 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2. Pk 305/2321. m. 15 & 600. 6a.903. 11000 10/31.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 2nd October, 1931.

No. 25,516.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1016.9	0	SSW	4	c	56	85	8	-	3	8	0	9+	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1017.5	-2	SW'S	4	c	59	85	8	5	7	-	2-3	9+	2500
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1017.9	+2	SW	3	c	55	95	6	5	3	-	7-8	10	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1014.3	-4	SW	4	c	56	95	7	-	7	-	0	7-8	-
	Cranwell	240	1011.4	-4	SW	5	c	56	85	7	5	5	-	2-3	7-8	4000
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1017.3	-2	S	5	c	59	95	7	4	-	-	10	10	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1017.2	+4	SW'W	5	q	58	95	7	5	-	-	10	10	4000
	Scilly (St. Mary's)	163	1017.8	0	W'S	5	c	58	95	7	5	-	-	9+	9+	1500
	Guernsey	175	1020.2	+2	SSW	4	c	58	95	7	8	-	-	10	10	2500
6	Pembroke	142														
7	Holyhead	26	1009.9	+6	SW	6	c	58	95	5	5	-	-	9+	9+	220
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1009.9	-2	WSW	4	c	56	85	7	4	6	-	4-6	7-8	4000
	Tynemouth	67	1009.7	+2	SW	5	c	60	85	7	6	-	-	9	9	1500
11	Inchkeith	190	1000.5	-2	SW	5	c	60	85	8	5	-	-	9+	9+	4000
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	994.8	+10	WSW	6	ir	52	95	7	6	2	-	7-8	10	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	87	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	995.0	+2	WSW	3	c	55	85	8	5	2	-	7-8	10	1500
16	Lerwick	54	992.2	+18	WSW	7	pr	54	85	7	9	-	-	7-8	7-8	1500
17	Blacksod Point	18	1003.6	+4	SW'W	7	DD	59	95	6	6	-	-	10	10	<150
18	Malin Head	52	1001.2	+4	WSW	4	c/d	58	95	7	6	2	-	4-6	9+	1500
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1010.3	-6	S'E	4	df	59	95	3	6	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	1016.7	+6	SW	4	o	59	85	8	5	-	-	10	10	1500	1	*
Croydon	1017.1	+6	SSW	4	c	59	85	8	5	-	-	10	10	800	0	*
S. Farnborough	1017.0	+6	SW'W	4	id₀	58	95	7	5	-	-	10	10	800	1	*
Winchester	1017.5	+6	SW	4	ir₀	57	95	6	5	-	-	10	10	800	1	*
Boscombe Down	1017.4	+6	SW	3	id₀	56	95	6	5	-	-	10	10	450	1	*
Calshot (S'thmtn)	1017.9	+4	SW	5	ir₀	59	85	6	6	2	-	7-8	10	1500	1	1
Dungeness	*	*	SW	5	d₀d₀	*	*	5	9	-	*	10	10	1500	*	3
Lympne	1017.6	0	SW'W	4	df	57	95	3	6	-	-	10	10	<150	1	*
Shoeburyness	1017.0	0	SW'W	5	c	60	95	7	5	8	-	7-8	9	1500	0	*
Felixstowe	1015.8	+2	SW'S	4	c	58	85	7	5	-	-	9+	9+	1500	0	3
Gorleston	1013.7	-6	WSW	4	c	57	95	6	5	7	-	1	9+	2500	0	2
Cranwell	1011.4	+2	SW'S	4	c	59	85	7	5	3	-	7-8	9+	1500	0	*
Cardington	1014.2	+2	SW	5	c	59	95	8	5	-	-	10	10	1500	*	*
Birmingham	1013.5	+4	SW	3	c	58	95	8	6	7	-	7-8	9	1500	0	*
Upper Heyford	1015.7	+6	SW	4	id₀	57	95	6	5	-	-	10	10	800	0	*
Leafield	1015.3	+4	SW'S	4	id₀	55	95	5	5	-	-	10	10	220	1	*
Ross-on-Wye	1014.9	+6	SW	4	c	60	85	8	5	-	-	9+	9+	2500	1	*
Portland Bill	1017.7	+4	SW'W	5	c	59	95	6	4	2	-	7-8	10	1500	1	4
Plymouth	1018.8	+8	SW	5	d₀d₀	58	95	6	5	-	-	10	10	220	1	2
Falmouth	1018.2	+4	SW'W	5	id₀	58	95	6	6	-	-	10	10	2500	1	2
Scilly (St. Mary's)	1018.9	+6	WSW	5	F	58	95	2	5	-	-	10	10	<150	1	3
Guernsey	1021.1	+10	WSW	4	d₀d₀	58	95	2	6	-	-	10	10	800	1	3
Pembroke																
Holyhead	1009.3	-2	SW'S	6	q	58	95	5	5	-	-	10	10	220	1	3
Chester (Sealand)	1009.9	0	SW	4	c	62	85	8	5	3	2	1	7-8	1500	1	*
L'pool (Bidston)	1008.8	-2	WSW	5	q	60	85	9	4	-	6	4-6	7-8	2500	0	*
Harrogate	1007.2	0	S'W	4	c	60	85	7	6	-	9	7-8	7-8	2500	1	*
Spurn Head	1009.1	0	WSW	5	c	59	85	7	4	3	9	4-6	7-8	5700	0	3
Tynemouth	1002.1	-12	SW	5	bc	61	85	7	2	-	1	4-6	4-6	2500	0	2
Inchkeith	999.8	-10	W	5	ir	54	95	8	6	2	-	7-8	10	1500	1	4
Leuchars	999.5	-2	W	4	o/r	56	95	9	5	-	-	10	10	4000	1	*
Renfrew	1002.6	+28	W	3	r₀r₀	53	95	6	6	2	-	7-8	10	800	1	*
Eskdalemuir	1001.1	-16	SW'S	7	dd	58	95	6	6	2	-	9+	10	450	1	*
Tiree	1000.4	+8	SW	5	id₀	53	85	7	6	2	-	4-6	10	1500	1	4
Stornoway	995.5	-4	WSW	4	pR	49	95	6	9	-	-	9	9	2500	2	2
Dalwhinnie	999.2	+8	SW	7	pr	49	85	8	9	2	-	4-6	10	1500	1	*
Aberdeen	998.0	+10	WNW	2	ir₀	57	95	6	6	2	-	4-6	10	1500	1	1
Wick	995.1	+2	WSW	2	[illegible]	50	95	8	6	2	-	7-8	10	1500	1	2
Lerwick	991.4	-4	WSW	3	c	51	85	7	5	-	-	9+	9+	800	1	*
Blacksod Point	1007.2	+6	W	5	c	54	95	8	5	-	-	9+	9+	<150	1	4
Malin Head	1003.6	+22	W	4	cjp	53	95	7	9	2	-	7-8	10	1500	1	3
Aldergrove	1006.1	+28	W	3	rr	53	95	5	5	-	-	10	10	450	1	*
Donaghadee	1005.0	+10	WNW	2	pr₀	56	95	7	6	-	-	9+	9+	800	1	1
Birr Castle	1007.7	+4	SW	3	ir₀	61	95	7	6	-	-	10	10	1500	1	*
Valentia Obsy.†	1012.7	+20	WNW	5	o/r	58	95	7	6	-	-	10	10	800	1	4
Roches Point	1012.9	+8	SW	3	id	59	95	6	5	-	-	10	10	800	1	4

PAST 24 HOURS.

Stations	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 1st Hrs. (36)
London (Kew)	65	56	54	-	Tr.	4.1
Croydon	66	56	54	-	-	1.7
S. Farnborough	66	55	53	-	Tr.	2.9
Winchester	64	54	53	Tr	0.3	3.5
Boscombe Down	63	54	53	-	1	*
Calshot (S'thmtn)	67	57	53	0.1	0.2	4.4
Dungeness	65	56	*	-	-	*
Lympne	63	57	49	-	Tr.	7.1
Shoeburyness	65	55	52	-	-	6.1
Felixstowe	63	55	50	-	-	6.4
Gorleston	67	55	52	-	-	6.4
Cranwell	62	55	53	-	Tr.	3.3
Cardington	*	*	*	*	*	*
Birmingham	59	53	52	Tr	Tr.	1.5
Upper Heyford	63	54		-	0.1	*
Leafield	61	52	50	-	0.1	2.5
Ross-on-Wye	63	54	53	Tr	2	3.1
Portland Bill	61	58	*	-	Tr.	*
Plymouth	61	57	56	Tr	0.1	4.2
Falmouth	62	57	*	Tr	Tr.	6.3
Scilly (St. Mary's)	61	57	*	-	0.1	2.5
Guernsey	62	56	55	-	0.6	6.4
Pembroke			*			
Holyhead	57	57	56	5	-	0.0
Chester (Sealand)	60	56	54	1	-	0.3
L'pool (Bidston)	57	54	54	0.6	-	0.2
Harrogate	57	53	51	0.1	-	1.8
Spurn Head	62	55	*	-	Tr.	3.8
Tynemouth	59	51	51	Tr	-	*
Inchkeith	58	54	53	Tr	2	0.3
Leuchars	57	55	54	0.5	3	0.2
Renfrew	57	53	52	2	4	0.1
Eskdalemuir	53	52	52	16	14	0.0
Tiree	57	51	50	6	7	0.0
Stornoway	60	47	*	1	3	0.4
Dalwhinnie	54	48	46	0.4	2	0.0
Aberdeen	55	54	53	0.3	3	2.0
Wick	57	50	*	0.4	0.5	*
Lerwick	54	51	*	2	2	0.1
Blacksod Point	60	51	*	5	11	*
Malin Head	59	52	*	7	9	0.0
Aldergrove	60	52	49	6	4	0.0
Donaghadee	61	55	*	4	2	*
Birr Castle	60	59	59	4	3	-
Valentia Obsy.†	61	57	57	0.5	1	0.0
Roches Point	59	58	*	2	1	*

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	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	c3₀wbc	c	c3₀r₀₀	65	56	54	-	Tr.	4.1	*	*	7
Croydon	217	cm₀c	bcc3₀	ccd₀d₀	66	56	54	-	-	1.7	*	82	7
Greenwich (Royal Observatory)	149	c3₀	c⊕3₀	cp₀c	69	56	46	-	Tr.	4.1	67	56	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	2.1	*	*	*
Westminster (St. James' Park)	27	*	*	*	66	56	54	-	-	3.3	67	84	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	3.4	*	*	*
Camden Square	110	c	cbcc	*	66	56	54	-	-	*	At 18h. 84		*
Kensington	80	cbc	bc	*	65	56	51	-	Tr.	3.3	69	87	*
Hampstead Observatory	450	bcm	bc	*	65	52	49	-	Tr.	3.3		90	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.
1.1	8h. 1st	NIL	23h. 1st to 6h. 2nd

Kew Observatory Max.	Time.	Min.	Time.
0.2	19h. 1st	<0.1	0-6h. 2nd

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 1st October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 2nd October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day. mm.	Rainfall Night. mm.
Paris	1017.3	NNW	1	o	57	1023.4	-	0	cf-	52	61	50	-	Tr.
Brussels	1016.4	W	1	bc	54	1020.2	SW	2	c	54	63	50	-	-
Berlin	1018.1	SE	2	b	54	1018.8	S	1	bc3	43	61	41	-	-
Zurich	1017.8	E	1	bc3	55	1024.2	N	1	F	46	70	43	-	-
Rome	1022.1	ESE	2	b	66						75		-	

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.

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

SATURDAY, 3rd OCTOBER, 1931.

No. 25517.

OBSERVATIONS at 13h. G.M.T. 2nd 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)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1017.8	0	SW'W	4	c	62	85	7	5	-	-	10	10	2500
	Croydon	1017.9	0	WSW	5	q	61	85	7	5	-	-	10	10	800
	S. Farnborough	1017.9	+2	SW'W	4	o/d	62	85	8	6	-	-	10	10	1500
	Winchester	1018.1	-2	WSW	4	c	62	85	7	5	2	-	9	9+	1500
	Boscombe Down	1017.7	-6	SW	4	c	62	85	7	5	-	-	9+	9+	1500
	Calshot, S'thmtn	1018.8	-2	SW	5	o/d₀	60	95	7	5	-	-	10	10	450
	Dungeness	*	*	SW	5	c	*	*	6	8	-	*	10	10	1500
	Lympne	1018.4	0	SW'W	6	o	59	95	7	5	-	-	10	10	800
2	Shoeburyness	1017.1	0	SW'W	4	c	63	95	7	5	-	-	9	9	1500
	Felixstowe	1016.2	-2	SW'S	5	c	64	75	7	5	-	-	9+	9+	1500
	Gorleston	1014.2	-2	W'S	4	c	68	75	6	8	6	-	4.6	7.8	2500
	Cranwell	1011.8	+10	SW'W	5	i r₀	64	85	7	6	-	-	10	10	1500
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1014.1	0	WSW	4	c	63	85	8	6	2	-	7.8	9	1500
	Upper Heyford	1015.8	-4	SW'W	5	c	62	85	8	5	-	-	9+	9+	800
	Leafield	1015.9	0	SW	4	c	60	95	8	5	-	-	10	10	2500
4	Ross-on-Wye	1015.5	+6	WSW	4	c	62	85	7	5	-	-	10	10	2500
5	Portland Bill	1019.1	-4	SW	6	dd	60	95	6	6	-	-	10	10	1500
	Plymouth	1019.5	-2	WSW	5	i d₀	59	95	6	5	-	-	10	10	220
	Falmouth	1019.3	+2	WSW	6	i d₀	59	95	5	5	-	-	10	10	1500
	Scilly (St. Mary's)	1020.4	+8	W	5	i d₀	60	95	4	5	4	-	10	10	800
	Guernsey	1022.1	0	SW	6	c o/d₀	60	95	7	5	-	-	10	10	1500
6	Pembroke														
7	Holyhead	1013.6	+18	W'S	4	c	58	85	8	6	3	-	1	9+	1500
	Chester (Sealand)	1013.5	+22	SW	1	c/d	57	95	7	5	-	-	9+	9+	1500
8	L'pool (Bidston)	1013.3	+26	W	3	c	55	95	8	9	-	-	9	9	1500
9	Harrogate	1009.8	+26	SSW	5	q	62	65	9	6	3	-	Tr	7.8	2500
10	Spurn Head	1009.2	0	NW	8	Q	56	95	6	3	2	-	4.6	10	1500
	Tynemouth	1009.7	+20	W	4	bc	60	85	7	2	-	-	4.6	4.6	2500
11	Inchkeith	1003.6	+10	WSW	7	bc	55	75	8	9	4	-	4.6	4.6	2500
	Leuchars	1003.1	+14	SW	5	bc/pr	57	75	8	3	3	3	1	2.3	2500
12	Renfrew	1006.1	+14	WSW	6	pr	56	65	8	9	-	-	9	9	1500
	Eskdalemuir	1007.7	-26	W	5	bc	58	65	8	8	-	-	4.6	4.6	1500
13A	Tiree	1003.9	+20	W'S	7	c/p	53	75	7	3	7	-	4.6	7.8	2500
13B	Stornoway	996.0	+6	WSW	7	bc	50	75	7	9	2	-	2.3	4.6	2500
15	Dalwhinnie	1001.8	+6	SW	7	bc	48	75	8	3	-	-	4.6	4.6	2500
	Aberdeen	1000.1	+10	WSW	5	bc	59	45	8	2	4	-	4.6	4.6	2500
	Wick	995.1	0	W	5	bc	54	65	8	8	1	8	4.6	4.6	2500
16	Lerwick	989.5	-4	W	4	c/pr	49	85	8	8	-	-	7.8	7.8	1500
17	Blacksod Point	1012.9	+26	W	8	q	59	65	7	3	-	-	4.6	4.6	800
18	Malin Head	1008.0	+26	W	7	Q	55	75	7	3	8	-	4.6	7.8	1500
	Aldergrove	1010.6	+22	SW'W	6	bc	58	65	8	8	-	8	4.6	4.6	2500
	Donaghadee	1010.4	+16	WNW	3	c/pr	57	75	7	6	3	-	4.6	7.8	800
19	Birr Castle	1015.2	+24	W	4	c	59	65	8	3	4	-	2.3	9	2500
20	Valentia Obsy.	1019.3	+30	W'N	4	bc	59	75	8	5	5	2	2.3	4.6	2500
	Roches Point	1016.4	+28	NW	4	bc	63	75	9	3	4	-	2.3	4.6	1500

OBSERVATIONS at 18h. G.M.T. 2nd 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)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1018.6	+14	WSW	3	ir	61	95	5	6	2	-	9	10	800	1	*
	Croydon	1018.4	+10	SW'S	4	r o r₀	61	95	6	5	-	-	9+	9+	800	0	*
	S. Farnborough	1018.8	+14	WSW	4	d r	61	95	6	6	-	-	10	10	1500	1	*
	Winchester	1019.6	+14	WSW	4	r d₀	60	95	6	5	-	-	10	10	1500	0	*
	Boscombe Down	1019.2	+14	W'N	4	c/r	60	95	7	5	-	-	9+	9+	1500	1	*
	Calshot, S'thmtn	1019.7	+8	SW'W	4	d₀d₀	60	95	5	5	-	-	10	10	450	1	3
	Dungeness	*	*	SW	5	i d₀	*	*	4	8	-	*	10	10	800	*	3
	Lympne	1019.5	+10	WSW	4	i d₀	58	95	5	5	-	-	10	10	220	1	*
2	Shoeburyness	1017.7	+8	SW	5	i r₀	61	95	6	6	2	-	7.8	9+	1500	0	*
	Felixstowe	1016.7	+8	SSW	4	i d₀	61	85	7	5	-	-	10	10	1500	0	3
	Gorleston	1015.5	+6	NW'W	3	i r₀	60	95	6	6	-	-	10	10	1500	1	2
	Cranwell	1016.2	+26	W	3	bc	56	75	8	8	3	1	2.3	4.6	1500	1	*
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1017.7	+16	W	3	b	57	75	8	1	4	1	Tr	1	1500	1	*
	Upper Heyford	1017.9	+18	W	3	c/r	59	95	9	5	7	-	7.8	9+	800	0	*
	Leafield	1018.0	+10	W'S	3	bc/r	58	85	8	5	3	5	2.3	4.6	2500	0	*
4	Ross-on-Wye	1018.6	+20	SW'W	2	bc	57	85	9	1	3	2	1	2.3	4000	1	*
5	Portland Bill	1021.0	+8	SW'W	6	dd	60	95	6	6	2	-	10	10	1500	1	5
	Plymouth	1021.4	+14	W	1	i d₀	60	95	6	8	7	-	9	9+	450	1	1
	Falmouth	1021.4	+6	W'S	3	c	60	95	6	8	-	-	7.8	7.8	4000	1	2
	Scilly (St. Mary's)	1023.3	+14	WNW	4	c	58	95	7	5	9	4	2.3	7.8	4000	1	3
	Guernsey	1023.3	+14	WSW	5	d₀d₀	59	95	6	6	-	-	10	10	1500	1	4
6	Pembroke																
7	Holyhead	1016.7	+22	W	5	bc	57	75	6	5	-	2	1	2.3	2500	1	2
	Chester (Sealand)	1016.3	+10	W'S	5	bc	58	65	7	7	-	-	2.3	2.3	1500	1	*
8	L'pool (Bidston)	1016.0	+10	WNW	6	q	56	75	8	7	-	-	1	1	2500	0	
9	Harrogate	1014.3	+14	SW	2	b	53	75	8	6	-	-	Tr	Tr	2500	1	*
10	Spurn Head	1014.2	+12	W'N	4	bc	57	75	7	3	7	-	1	4.6	4000	0	3
	Tynemouth	1010.2	+22	W	2	bc	55	75	7	2	-	-	4.6	4.6	2500	0	1
11	Inchkeith	1006.7	+12	WSW	6	bc	52	85	8	8	-	-	2.3	2.3	2500	0	4
	Leuchars	1006.0	+14	W	5	bc/pr	51	75	8	9	4	3	4.6	4.6	1500	1	*
12	Renfrew	1009.3	+10	WSW	5	q	50	75	8	9	-	-	4.6	4.6	1500	1	*
	Eskdalemuir	1011.0	+12	SW'W	5	c/pr	49	85	8	9	-	-	7.8	7.8	1500	1	
13A	Tiree	1006.4	+20	W'S	6	bc	51	75	7	5	6	-	2.3	2.3	2500	0	4
13B	Stornoway	999.2	+18	WSW	8	q	48	75	7	9	7	-	4.6	7.8	1500	1	4
15	Dalwhinnie	1004.1	(+10)	WSW	8	bc	46	65	8	4	8	-	4.6	4.6	2500	1	*
	Aberdeen	1002.1	+14	WSW	4	b	48	65	8	8	-	-	1	1	1500	1	2
	Wick	997.1	+10	W	5	pr	46	75	8	9	2	-	7.8	10	1500	1	3
16	Lerwick	989.7	+4	W	5	c/p	48	65	7	8	-	-	7.8	7.8	1500	1	*
17	Blacksod Point	1015.9	+20	W	8	q	56	75	7	3	-	-	7.8	7.8	450	0	6
18	Malin Head	1010.5	+20	W	6	c/p	53	85	7	8	8	-	4.6	7.8	1500	0	4
	Aldergrove	1014.1	+20	SW'W	5	pr	51	85	7	8	-	-	9	9	1500	1	*
	Donaghadee	1013.6	+40	W	5	q	53	75	7	9	3	-	2.3	4.6	1500	0	3
19	Birr Castle	1018.0	+14	W	2	bc	56	65	8	2	-	4	1	4.6	2500	1	*
20	Valentia Obsy.	1021.9	+18	W	4	bc	57	75	8	1	-	2	1	4.6	2500	1	3
	Roches Point	1020.3	+22	NW	3	bc	59	75	9	3	-	4	1	4.6	2500	0	2

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. 2nd (37)	13h.–18h. 2nd (38)	18h. 2nd – 1h. 3rd (39)	1h.–7h. 3rd (40)
1	London (Kew)	c	bc c r m₀	c r m₀ b c	b c c m₀ w
	Croydon	c q	c q b c r₀	c q₀ b w Ⓓ	b b c w m₀
	S. Farnborough	c o i d₀	o b c c d r	d r c b w	b b c w
	Winchester	o r₀ c r₀ c	c i d₀	c r b c	b c w
	Boscombe Down	c d₀ m₀ c	c i r₀ c	c d₀ m₀	b c b w c
	Calshot, S'thmtn	o d₀ d₀	o m₀	b w	b c w
	Dungeness	o	d	•	b c
	Lympne	o d₀ f o	o d₀	o b b c d₀ w	b w o f
2	Shoeburyness	c	c r₀ m₀	c i r₀ m₀ b c m₀	c d r m₀ b b c w
	Felixstowe	c j₀ b c c	c d₀	c d₀ b	b
	Gorleston	c b c q	c q o i r₀	o i r₀ b c b	b b c
	Cranwell	c q	c r₀ r b c	b c b w	b w b c
3	Cardington	*	*	*	b w, b c
	Birmingham	c b c	c p r b	b	b b c
	Upper Heyford	c i d₀	c q r₀ v	c b c b m	b c w
	Leafield	c i d₀	c r b c	b c	b c
4	Ross-on-Wye	c c q	c c r₀ c b c v	b c b b c	b w b c
5	Portland Bill	o d d j₀	o d d j₀	c w, c	c b c w
	Plymouth	o d₀ d₀ m₀	o d₀ d₀ m₀ c	c m₀ d₀	c b w F F
	Falmouth	o d₀ m₀	o d₀ m₀ b c	b c	b c
	Scilly (St. Mary's)	f i d₀ o	o f f c	c b c	b c b W
	Guernsey	o i d₀	o d₀ d	o d d i r	o c b c
6	Pembroke				b c w
7	Holyhead	k q P R c	c b c	b b c	c b c
	Chester (Sealand)	c k q r d	p r₀ b c q	b c	b c x
8	L'pool (Bidston)	c q v R K q r c	c c b q	b b q	b c c q m₀
9	Harrogate	c b c p₀ q	b c b	b b c	b b c
10	Spurn Head	c q R	c q p r b c	b c b	b b c c
	Tynemouth	b c p q	b c q	b c q	b c
11	Inchkeith	c p r	b c c P R	c P R b c	p r b c
	Leuchars	c i r₀ v p	b c q v p₀	p r q b c	p r q b c
12	Renfrew	r r b c c q	b c c P R q	b c c p r q	b c c
	Eskdalemuir	c d c b c	b c q c P R	c p r b c	b c
13A	Tiree	c q p r q	b c p r	b c	b c p r
13B	Stornoway	f r r h	c p h r q	c m₀ r h	b c
15	Dalwhinnie	p r	"	"	r c
	Aberdeen	c i r b c y	b c q P r h	p₀ r b c	b
	Wick	r₀ r b c	b c c p r q	t b c	b c p r
16	Lerwick	c p h r	c p h r	c p₀ h r	c p₀ h r
17	Blacksod Point	p r c q	p r c q	c q	c c
18	Malin Head	b c c	c q p r	c q b c p r b c	b c
	Aldergrove	o r c p r b c	b c c q p r	c p₀ r b c	b c c
	Donaghadee	i r₀ p r	p r₀ b c q	c b c	b c w
19	Birr Castle	o r₀ r c	c b c	b c b	b c
20	Valentia Obsy.	c b c	c b c	b c b	b b c w
	Roches Point	d p₀ b c v	b c v	b c v b c w	b c w

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, " less than 220 yds.
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).

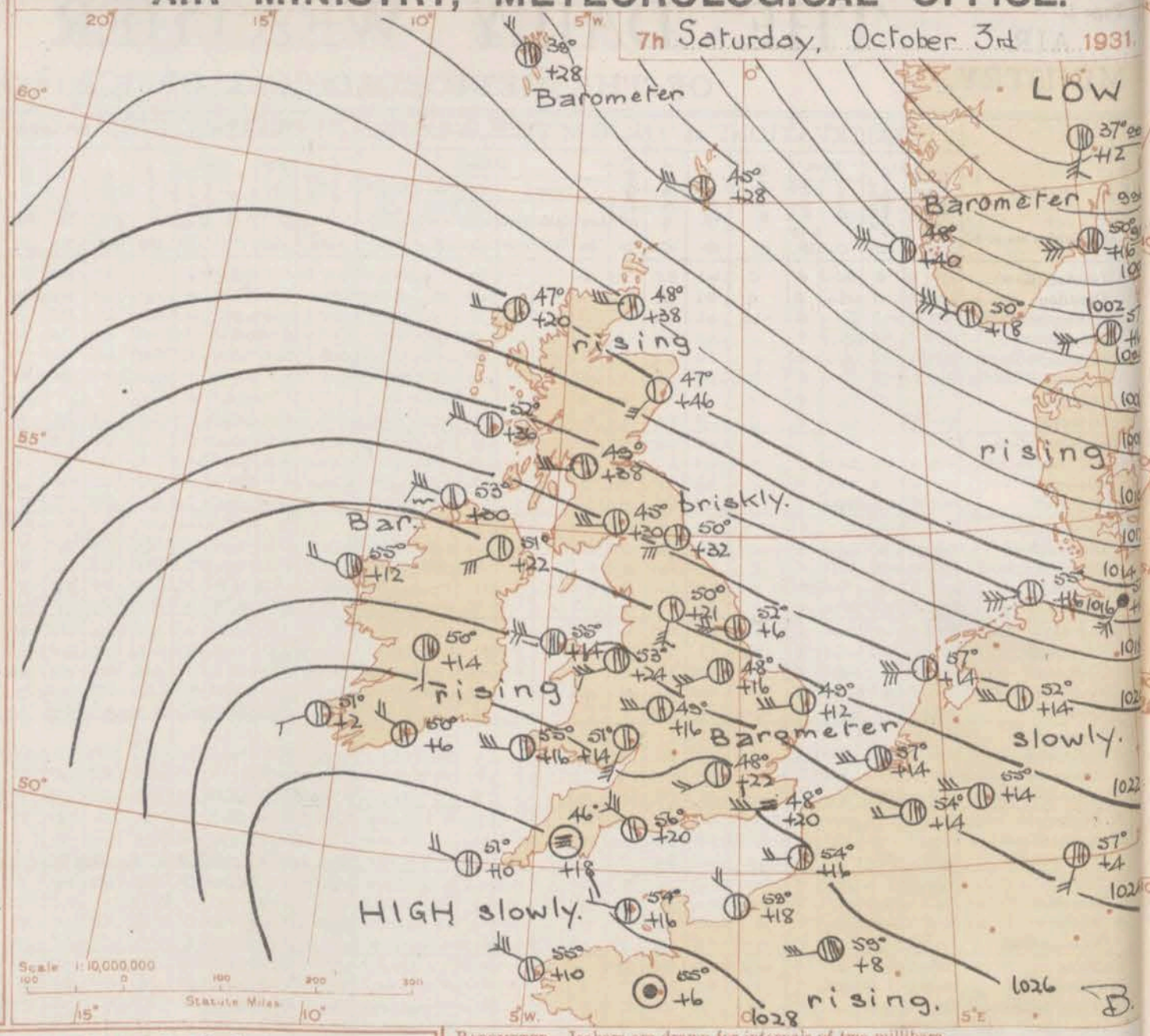
COLUMN 29.—STATE OF GROUND.

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.

REPORTS from HEALTH RESORTS for 2nd OCTOBER, 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 17h. 2nd	Sunshine. Sunrise to Sunset. 1st
1	Tunbridge W.	o	o	53	61	–	–	0.0	4.1
	Bournemouth	o	o	55	61	0.5	–	0.0	5.7
	Ventnor ...	poudc	odu	56	60	0.3	trace	0.1	4.9
	Southsea ...	o	od o	57	61	trace	trace	0.0	4.3
	Bognor Regis	beiro	1 roco	56	61	0.3	trace	0.1	3.5
	Littlehampton	c	c	56	60	0.1	–	0.0	4.7
	Worthing ...	o	od o	56	61	trace	trace	0.0	4.5
	Brighton ...	ocd	od	58	60	trace	trace	0.0	5.5
	Eastbourne†	co	odd o	57	61	0.2	0.1	0.2	7.5
	Hastings† ...	omdo	ocd	55	61	0.3	0.3	0.0	7.6
	Folkestone ...	oid	omd	55	61	trace	trace	0.0	7.0
	Dover... ...	od o	1 cod	57	61	trace	trace	0.1	8.0
	Deal	obcc	o	54	64	–	–	0.5	8.2
	Ramsgate ...	o	co	54	63	–	–	0.3	6.1
	Margate ...	c	bcc	54	66	–	–	1.4	6.4
2	Southend ...	c	c	55	65	–	–	1.0	4.7
	Maldon ...	cbc	co	53	67	–	–	2.2	3.4
	Clacton-on-Sea	cbcc	cbc	55	65	–	–	1.9	7.3
	Dovercourt ...	bc	oc	53	67	–	–	2.7	5.0
	Lowestoft ...	cibcb	bczc	55	69	–	–	4.2	5.8
	Skegness ...	bcob	boro	55	69	–	1	4.2	5.3
	Mablethorpe	cbc	orc	54	69	–	1	3.8	5.6
	Cleethorpes ...	bbcoo	roc	55	69	trace	1	4.4	3.8
3	Leamington S.	cpc	cbc	54	66	0.2	0.1	1.3	2.2
4	Cheltenham†	o	ocbc	53	63	0.5	0.3	0.0	2.2
5	Bath	c	cir	56	67	0.3	0.3	0.2	5.2
	Weymouth ...	mmc	co	58	63	trace	–	0.2	6.6
	Jersey ...	cd	cd	58	67	trace	trace	1.2	6.6
	Torquay ...	bdmc	bbdpb	56	64	0.2	trace	2.0	6.8
	Penzance ...	omd	omd	58	62	1	0.2	0.0	3.9
	St. Ives ...	p	c	55	63	trace	trace	1.3	3.0
	Bude	oe	od	56	60	0.4	0.5	0.0	3.0
	Ilfracombe ...	od	od	54	62	1	1	0.0	1.9
6	Aberystwyth	circ	cmbc	54	61	6	0.3	1.3	0.7
7	Llandudno ...	cprc	cbc	54	65	trace	2	1.3	0.3
	Colwyn Bay...	ctr	rocbc	54	65	–	4	1.0	0.2
	Rhyl	cprc	cbcb	56	63	–	1	1.4	0.4
8	Wallasey ...	coro	ocbcb	50	63	trace	3	1.2	0.0
	Southport‖ ...	bcorc	cbcb	53	63	0.4	2	2.0	0.0
	Blackpool ...	cor	ocbc	53	61	2	2	2.3	0.0
	Morecambe ...	rdcb	ocbbc	51	61	15	1	3.0	0.1
9	Ilkley	circ	bccb	53	56	trace	1	2.6	1.6
10	Berwick-on-T.	ocbc	prbc	54	59	1	trace	5.5	2.0
11	Dunbar ...	crrm	brbc	54	58	4	1	3.4	0.2
12	Douglas ...	omRq	cbbc	51	59	2	1	4.4	0.0

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



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

Districts	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 3rd Oct. 1931.
1. S.E. England 2. E. England ... 3. E. Midlands 4. W. Midlands	Wind west or southwest; moderate; fair; mild.
5. S.W. England 6. South Wales	Wind southwest or south, moderate, fresh locally; mainly fair but probably more cloud later; perhaps coastal drizzle and fog; mild.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind west or southwest, moderate, tending to back; mainly fair; moderate temperature to mild.
12. S.W. Scotland & Isle of Man 13. A. W. Scotland. B. N.W. Scotland.	Wind becoming southwest or south, fresh or strong locally; mainly fair at first, perhaps occasional drizzle or rain later; becoming milder.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands	Wind west-northwest or west, moderate or fresh, moderating, backing; fair, apart from local showers at first; moderate temperature; chance of local ground frost at night.
17. N.W. Ireland ↓ 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland ↓	Wind becoming southwest or south, fresh or strong, perhaps gale on coast; cloud increasing; occasional drizzle or rain later; mild.

H.M. Stationery Office Press, Kingsway, W.C.2. Pk. 303/2321. m. 15 24001. Kb 908 11008-10/31

GENERAL INFERENCE.

A wedge of high pressure from an anticyclone over the Bay of Biscay is moving eastwards across the British Isles. A depression on the Atlantic, westward of the wedge, will probably move north-eastwards. Weather will be mainly fair apart from drizzle or rain later in Ireland and Western Scotland.

FURTHER OUTLOOK.

Unsettled in the West and North; probably mainly fair elsewhere.

Time of issue of Gale Warning.

↓ South Cone at 0808 on 1st in Districts 17 and 20.

Forecasts issued at 0930 G.M.T.

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

SATURDAY, 3rd OCTOBER, 1931.

No. 25,517.

District	Stations	Height above M.S.L. in feet	OBSERVATIONS at 1 hr. G.M.T. 3rd October: 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)	OBSERVATIONS at 7 hr. G.M.T. 3rd October: 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)	PAST 24 HOURS Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F. (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 2nd Hrs. (36)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1026·1	+22	WSW	2	c	49	95	5	–	–	2	0	7-8	–	1	*	68	48	42	0·2	0·3	0·8
	Croydon	217	1022·7	+14	W'S	3	bc	53	95	7	–	–	6	0	4·6	–	1026·0	+20	WSW	2	bc	48	95	6	–	–	2	0	4-6	–	1	*	64	47	43	Tr	0·3	0·9
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1026·5	+18	WSW	1	bc	44	95	7	–	–	6	0	4-6	–	1	*	65	43	29	0·1	0·3	1·3
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1026·7	+16	W'N	2	bc	45	95	7	–	–	2	0	4-6	–	1	*	65	43	38	Tr	0·4	0·8
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1026·9	+20	WNW	2	c	46	95	7	–	–	2	0	9	–	0	*	66	42	31	0·3	0·2	*
	Calshot (S'thmtn)	8	1023·8	+16	WSW	3	bc	54	95	8	–	5	6	0	4·6	–	1026·4	+20	W	2	bc	49	95	7	–	–	6	0	4-6	–	0	1	61	48	43	Tr	0·1	0·0
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	W	2	bc	*	*	7	1	9	*	1	4-6	2500	*	2	63	49	*	–	Tr.	*
	Lympne	346	1022·1	+14	W'N	3	bc	54	95	6	–	1	–	0	4·6	–	1025·2	+20	WNW	2	of	48	95	2	5	–	–	10	10	<150	0	*	60	47	46	Tr	Tr	0·0
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1025·3	+20	W	2	c	50	95	6	–	9	2	0	7-8	–	0	*	64	48	44	Tr	Tr.	1·7
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1024·2	+20	W	4	c	51	85	8	5	3	6	1	7-8	1500	0	2	66	50	47	Tr	Tr.	2·1
	Gorleston	14	1019·8	+8	W'N	2	b	52	95	7	–	–	–	0	0	–	1022·0	+12	W	3	bc	49	85	7	–	1	2	0	4-6	–	0	2	70	48	45	0·1	0·2	4·6
	Cranwell	240	1020·0	+6	WSW	3	b	49	85	7	–	–	–	0	0	–	1022·9	+18	WSW	4	c	48	85	6	5	–	6	Tr.	9	4000	1	*	69	47	43	1	–	3·6
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1024·9	+12	WSW	3	c	47	95	7	–	5	6	0	7-8	–	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1025·5	+16	W	3	c	49	85	7	5	3	6	1	7-8	2500	0	*	64	46	43	0·4	–	0·8
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1026·0	+20	SSW	2	c	43	95	7	–	7	6	0	7-8	–	0	*	65	42	34	Tr	–	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1025·7	+14	W'S	3	c	46	95	7	–	3	7	0	10	–	0	*	62	43	34	0·1	–	0·0
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1025·6	+14	SW	3	c	51	85	8	1	9	9	Tr.	7-8	4000	1	*	64	47	39	0·1	–	0·8
5	Portland Bill	32	1023·7	+12	W'N	4	c	57	95	8	4	7	–	4·6	7·8	2500	1026·8	+20	WNW	4	bc	56	95	8	4	6	9	2-3	4-6	2500	1	3	60	(48)	*	0·3	0·1	*
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1028·0	+18	–	0	bF	46	95	1	–	–	1	0	1	–	1	0	60	46	39	0·3	Tr.	0·1
	Falmouth	200	1026·1	+8	NW	2	bc	54	95	7	5	–	9	2·3	4·6	4000	1028·3	+8	NW'W	2	bc	51	95	8	1	–	9	2-3	4-6	4000	0	1	61	51	*	Tr	–	0·4
	Scilly (St. Mary's)	163	1027·2	+12	NNW	3	bc	55	95	7	–	6	–	0	4·6	–	1029·1	+10	WNW	2	bc	51	95	8	1	–	–	2-3	2-3	4000	1	2	60	51	*	0·3	0·1	0·0
	Guernsey	175	1025·5	+14	W	3	o	57	95	7	5	–	–	10	10	2500	1027·5	+16	WNW	1	bc	54	95	7	7	–	–	4-6	4-6	2500	1	2	61	54	48	1	1	0·0
6	Pembroke	142															1026·4	+16	W	3	bc	55	95	8	–	5	9	0	4-6	–	1	2	*	54	*	*	Tr.	*
7	Holyhead	26	1020·6	+14	W'S	4	c	55	75	7	–	–	3	0	9	–	1023·6	+14	W'N	5	c	55	85	7	5	3	8	2-3	9+	5700	1	3	61	55	50	3	–	4
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1024·1	+24	W'S	4	c	53	75	8	1	2	1	2-3	9	1500	1	*	65	52	46	1	–	2·6
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1023·3	+16	WNW	5	c	54	75	8	5	2	7	7-8	10	1500	0	*	62	53	51	2	–	0·7
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021·1	+20	SW	4	bc	50	85	7	6	–	1	4-6	4-6	2500	0	*	64	49	44	0·4	–	3·7
10	Spurn Head	29	1017·6	+4	W	4	b	52	85	7	–	–	–	0	0	–	1020·5	+6	W'N	5	bc	52	85	7	4	3	1	4-6	4-6	4000	0	3	67	50	*	1	–	4·0
	Tynemouth	67	1013·8	+10	W	4	bc	53	75	8	2	–	–	4·6	4·6	2500	1018·6	+32	W	3	bc	50	85	6	5	–	2	4-6	4-6	800	0	2	61	50	45	1	–	*
11	Inchkeith	190	1010·6	+10	WSW	6	bc	51	85	8	6	7	–	2·3	4·6	1500	1015·9	+12	W	5	bc	51	75	8	–	4	4	0	2-3	–	0	3	57	49	45	2	2	3·6
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1016·6	+34	W	3	bc	45	85	8	4	–	1	2-3	2-3	4000	1	*	59	43	37	0·4	3	3·4
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1019·1	+38	W	3	c	49	85	7	8	8	2	1	7-8	1500	1	*	58	49	44	3	1	3·1
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1020·4	+30	W	3	c	45	75	8	8	6	2	2-3	7-8	2500	1	*	58	(45)	42	4	0·5	1·4
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1018·9	+36	WNW	4	bc	52	85	7	5	1	–	2-3	4-6	2500	0	3	55	50	45	2	1	4·8
13B	Stornoway	34	1005·2	+30	WSW	5	bc	49	85	7	8	7	–	4·6	4·6	4000	1015·0	+20	W	2	bc	47	85	8	8	1	–	4-6	4-6	4000	1	1	53	45	*	5	3	2·9
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1016·8	+26	W	3	c	46	75	8	3	8	–	4-6	7-8	1500	1	*	52	42	38	10	9	2·4
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1014·8	+46	SW	3	b	47	75	8	–	4	–	0	Tr.	–	1	1	59	44	39	4	Tr.	5·2
	Wick	81	1003·1	+16	WSW	3	c	46	85	8	3	2	1	4·6	7·8	2500	1011·0	+38	W	3	bc	48	85	8	3	8	8	2-3	4-6	2500	1	2	54	42	*	0·6	3	*
16	Lerwick	54	993·3	+22	W'N	4	c	49	75	8	8	–	–	7·8	7·8	1500	1007·2	+28	W'N	4	c	45	75	7	8	–	–	7-8	7-8	1500	1	*	53	45	*	2	1	2·2
17	Blacksod Point	18	1020·9	+22	W	4	bc	55	75	8	–	–	7	0	4·6	–	1023·5	+12	W	2	c	55	85	7	–	1	–	0	9	–	0	3	60	52	*	Tr	–	*
18	Malin Head	52	1015·8	+26	WNW	6	bc	54	75	7	1	–	–	2·3	2·3	4000	1021·0	+30	WNW	4	bc	53	85	7	7	3	8	2-3	4-6	4000	0	4	56	53	*	2	2	4·7
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1023·1	+22	SW'W	3	c	51	85	7	5	4	–	7-8	7-8	4000	1	*	59	49	43	2	0·1	4·1
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1022·2	+30	WSW	1	bc	49	95	7	5	3	2	2-3	4-6	2500	0	0	60	48	*	1	–	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1025·2	+14	[illegible]	1	c	50	95	7	–	3	2	0	9	–	1	*	61	49	39	3	–	4·9
20	Valentia Obsy.†	30	1025·3	+26	W	5	bc	56	95	8	5	–	–	4·6	4·6	2500	1026·6	+2	SW	1	bc	51	95	8	5	4	9	2-3	4-6	2500	1	3	60	51	44	–	Tr.	5·1
	Roches Point	22			*	*	*	*	*	*	*	*	*	*	*	*	1026·7	+6	NW	2	bc	50	95	8	5	–	4	2-3	4-6	2500	0	2	64	49	*	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	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	c	bccrm	crmbcw	65	48	42	0·2	0·3	0·8	•	•	6
Croydon	217	cq	cqbcr	rdbcw	64	47	43	Tr.	0·3	0·9	•	•	6
Greenwich (Royal Observatory)	149	c	cbccd	dbcbwc	67	47	38	0·5	0·3	1·0	76	76	5
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	1·0	•	•	•
Westminster (St. James' Park)	27	•	•	•	66	48	45	0·7		1·1	75	75	•
Regents Pk. (Botanic Gardens)	168	•	•	•	•	•	•	•		0·8	•	•	•
Camden Square	110	c	cor	•	66	48	46	1	–	•	At 18h. 83		•
Kensington	80	cobc	co	•	66	48	41	0·4	0·5	0·7	94	80	•
Hampstead Observatory	450	obc	or	•	65	44	39	1	0·3	0·8	•	87	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.
0·6	7h. 3rd	NIL	0-4 hrs. 3rd

Kew Observatory Max.	Time.	Min.	Time.
0·1	14h. 2nd	<0·1	1 to 5 hrs 3rd

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 2nd October: Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 3rd October: 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	1024·1	W	5	c	63	1026·2	W	3	o	59	68		–	–
Brussels	1020·7	WSW	4	c	59	1024·0	W	2	c	54	63	54	0·1	1
Berlin	1015·8	WSW	4	c	37	1015·7	W	3	c	55		54	–	2
Zurich	1026·0	N	2	bc	59	1027·8	–	0	c	55	70	52	–	–
Rome						1021·0	NE	3	b	48		45		–

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 4th October, 1931.

No. 25,518.

OBSERVATIONS at 13h. G.M.T. 3rd 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)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1025.3	+16	NW'N	3	bc	60	55	8	1	-	-	2-3	2-3	4000
	Croydon	1027.5	+6	W'N	3	bc	62	55	7	1	-	-	4-6	4-6	2500
	S. Farnborough	1027.9	+2	NW'W	2	bc	60	55	8	1	3	1	4-6	4-6	2500
	Winchester	1028.4	+2	NW'W	3	bc	61	55	8	1	-	1	1	4-6	2500
	Boscombe Down	1028.2	0	NW	3	bc	62	65	8	1	-	2	4-6	4-6	4000
	Calshot, S'thmtn	1028.3	+2	NW'N	3	bc	61	65	8	1	-	1	2-3	4-6	4000
	Dungeness	*	*	WNW	2	c	*	*	7	4	7	*	4-6	7-8	2500
	Lympne	1026.6	+4	NW	3	bc	59	65	6	1	3	1	2-3	4-6	2500
2	Shoeburyness	1027.2	+10	WNW	3	bc	61	65	7	1	6	9	1	4-6	5700
	Felixstowe	1026.5	+10	WNW	4	bc	61	58	8	1	3	9	2-3	4-6	4000
	Gorleston	1025.3	+16	NW	3	c	56	85	6	4	-	-	9	9	2500
	Cranwell	1025.8	+10	WNW	4	bc	57	65	6	1	1	1	2-3	4-6	4000
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1026.9	+6	WNW	4	c	58	85	8	5	3	-	4-6	7-8	2500
	Upper Heyford	1027.3	-2	W	3	bc	60	55	8	1	3	1	4-6	4-6	4000
	Leafield	1027.1	+6	NW'W	3	bc	60	55	8	1	3	1	2-3	2-3	5700
4	Ross-on-Wye	1027.3	+10	WSW	3	bc	62	55	8	1	4	-	2-3	7-8	4000
5	Portland Bill	1029.1	0	WNW	4	bc	60	75	8	1	4	1	2-3	4-6	2500
	Plymouth	1029.6	+2	SSW	2	c	59	85	8	2	-	2	2-3	7-8	4000
	Falmouth	1029.7	+4	S'E	2	bc	62	85	8	8	-	9	4-6	4-6	4000
	Scilly (St. Mary's)	1029.8	-4	SSW	2	bc	63	65	8	1	4	3	Tr	4-6	4000
	Guernsey	1029.9	+6	WNW	2	bc	60	65	8	1	1	-	2-3	2-3	2500
6	Pembroke	1028.7	+2	WSW	2	bc	59	85	8	1	-	2	1	2-3	2500
7	Holyhead	1026.6	+2	WSW	3	c	59	75	7	2	3	-	Tr	9+	2500
	Chester (Sealand)	1026.6	+6	WNW	4	c	61	65	8	2	3	1	2-3	7-8	4000
8	L'pool (Bidston)	1026.3	+6	WNW	5	bc	56	75	8	1	3	8	1	4-6	2500
9	Harrogate	1024.8	+14	SW	3	bc	58	65	8	2	-	1	2-3	2-3	4000
10	Spurn Head	1024.1	+8	NW	4	c	57	75	6	5	7	1	2-3	9	4000
	Tynemouth	1022.3	+16	W	4	bc	60	55	7	2	-	-	4-6	4-6	2500
11	Inchkeith	1021.2	+12	W	4	c	53	75	8	2	4	8	1	7-8	5700
	Leuchars	1021.2	+14	WNW	4	c	58	55	8	1	3	6	1	7-8	4000
12	Renfrew	1023.3	+12	WSW	4	c	56	65	7	8	3	-	4-6	7-8	2500
	Eskdalemuir	1023.9	+14	W	3	c	54	65	8	7	5	-	2-3	7-8	2500
13A	Tiree	1021.0	+8	SW	4	c	56	85	7	5	3	9	1	9	2500
13B	Stornoway	1019.0	+16	WSW	4	c	56	65	8	4	7	-	7-8	9+	2500
15	Dalwhinnie	1022.0	+20	SW	2	c	51	55	8	2	-	-	2-3	7-8	4000
	Aberdeen	1020.4	+20	WNW	3	c	57	55	8	7	4	6	4-6	7-8	2500
	Wick	1018.4	+28	W	4	c/pr	52	85	8	9	7	1	7-8	7-8	2500
16	Lerwick	1016.4	+18	W'N	3	c	49	65	8	5	-	-	9	9	1500
17	Blacksod Point	1023.1	-6	S	2	c	59	75	7	5	-	-	7-8	7-8	450
18	Malin Head	1023.6	+4	WSW	1	c	56	95	7	3	7	-	2-3	10	2500
	Aldergrove	1024.9	+2	S'W	3	c/jp	58	75	8	8	7	8	4-6	9+	2500
	Donaghadee	1024.5	+8	WSW	1	c	60	75	8	7	3	9	4-6	7-8	4000
19	Birr Castle	1026.1	-6	W	2	c	59	75	8	7	-	-	9+	9+	2500
20	Valentia Obsy.	1025.6	-16	S'E	5	c	59	85	8	5	-	-	9	9	4000
	Roches Point	1027.9	0	SW	2	bc	60	85	8	5	-	9	2-3	4-6	2500

OBSERVATIONS at 18h. G.M.T. 3rd 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)	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)	1029.2	+10	W'N	1	b	54	85	5	-	7	1	0	1	-	1	*
	Croydon	1029.0	+8	W'N	1	b	55	75	6	-	-	9	0	1	-	0	*
	S. Farnborough	1029.4	+14	SW	1	c	53	85	7	-	3	2	0	7-8	-	1	*
	Winchester	1029.7	+10	W'N	2	bc	54	85	8	-	4	1	0	2-3	c	0	*
	Boscombe Down	1024.4	+12	W'N	2	bc	53	85	7	-	4	1	0	2-3	-	0	*
	Calshot, S'thmtn	1029.1	+10	SW	2	bc	56	75	7	-	8	1	0	2-3	-	0	1
	Dungeness	*	*	NW	2	bc	*	*	7	7	3	*	4-6	4-6	2500	*	0
	Lympne	1029.0	+14	NNW	1	bc	54	75	6	-	-	2	0	4-6	-	0	*
2	Shoeburyness	1028.8	+14	WSW	2	bc	52	95	6	-	-	9	0	4-6	-	0	*
	Felixstowe	1028.5	+12	WSW	2	bc	57	75	7	4	-	2	Tr	2-3	4000	0	1
	Gorleston	1027.0	+12	WSW	1	c	55	75	6	4	2	-	2-3	10	2500	0	1
	Cranwell	1027.5	+10	W	1	bc	50	85	6	5	-	6	1	4-6	7200	1	*
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1028.2	+6	WSW	2	c	56	65	8	5	5	-	2-3	7-8	2500	1	*
	Upper Heyford	1028.8	+10	SW	1	bc	53	85	7	-	3	8	0	4-6	-	0	*
	Leafield	1028.6	+8	SW	2	bc	53	85	7	-	7	2	0	2-3	-	0	*
4	Ross-on-Wye	1028.4	+6	SW	1	c	57	75	8	7	7	-	2-3	7-8	4000	0	*
5	Portland Bill	1029.4	+6	SW	4	bc	58	75	8	-	4	1	0	4-6	-	0	3
	Plymouth	(1030.3)	+10	WSW	1	bc	56	85	8	1	8	1	2-3	4-6	4000	0	1
	Falmouth	1029.7	+2	SW	3	bc	57	85	8	8	-	-	4-6	4-6	4000	0	1
	Scilly (St. Mary's)	1029.7	0	S'W	4	c	57	95	7	5	-	-	9+	9+	4000	0	2
	Guernsey	1030.2	+2	-	0	bc	55	85	7	1	1	-	2-3	2-3	4000	0	1
6	Pembroke	1028.4	0	SW'S	3	bc	56	85	8	1	4	1	2-3	4-6	2500	0	2
7	Holyhead	1026.4	-2	SSW	3	c	56	85	7	-	7	2	0	9+	-	1	*
	Chester (Sealand)	1027.5	+6	SW'W	2	c	56	85	6	-	3	1	0	9	-	0	*
8	L'pool (Bidston)	1027.3	0	W	3	bc	55	85	7	5	3	9	4-6	4-6	2500	0	*
9	Harrogate	1026.5	+10	SSW	1	bc	51	85	7	-	5	-	0	2-3	-	0	*
10	Spurn Head	1025.0	+8	WNW	3	bc	55	85	6	5	3	-	2-3	4-6	2500	0	2
	Tynemouth	1024.4	+12	W	2	bc	55	65	6	2	-	-	4-6	4-6	2500	0	2
11	Inchkeith	1023.0	+4	SW	2	c	54	85	7	5	5	-	2-3	7-8	4000	0	2
	Leuchars	1022.4	+6	WSW	2	c	49	85	8	5	3	9	1	9	4000	0	*
12	Renfrew	1023.8	+2	SW	2	c	53	85	6	5	3	-	7-8	9+	4000	1	*
	Eskdalemuir	1024.9	+6	SW	3	c	50	75	7	5	7	-	2-3	9	4000	1	
13A	Tiree	1020.4	-14	S	3	ir	54	95	6	5	7	-	7-8	10	2500	0	4
13B	Stornoway	1018.2	-6	SSW	2	c	52	85	8	4	7	-	4-6	7-8	2500	0	6
15	Dalwhinnie	1023.0	+4	SW	1	c	46	85	8	5	4	-	1	7-8	2500	0	
	Aberdeen	1022.0	+8	W	2	bc	51	65	7	5	3	-	1	2-3	4000	1	1
	Wick	1020.1	+10	W	2	c	50	85	8	8	6	8	4-6	7-8	2500	0	2
16	Lerwick	1018.2	+16	-	0	c	46	75	7	5	4	-	4-6	7-8	1500	0	*
17	Blacksod Point	1019.4	-24	S	5	rr	56	95	7	6	-	-	10	10	150	1	4
18	Malin Head	1020.8	-22	S	3	c	56	85	7	5	1	-	9	10	4000	0	2
	Aldergrove	1023.7	-10	S'E	2	c	55	85	7	5	7	-	2-3	10	7200	1	*
	Donaghadee	1024.0	-2	W	1	c	56	85	7	5	-	-	7-8	7-8	2500	0	0
19	Birr Castle	1023.8	-12	S	3	c	57	75	8	5	-	-	9+	9+	2500	1	*
20	Valentia Obsy.	1023.9	-10	S	5	d₀d₀	58	95	5	5	-	-	10	10	900	1	3
	Roches Point	1026.2	-4	SW	3	id	57	95	6	5	-	-	10	10	800	1	3

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. 3rd (37)	Weather. 13h.–18h. 3rd (38)	Weather. 18h. 3rd to 18h. 4th (39)	Weather. 18h.–7h. 4th (40)
1	London (Kew)	cm₀wbcy	bcy bz₀	bz bcmw	bcmwcw
	Croydon	cbcz₀	bcy bz₀	bcz₀wc	bcm₀w
	S. Farnborough	bccbcy	bcy	bc b,c	b,c
	Winchester	bc cbcy	bcy	bc	bccw
	Boscombe Down	cbc	bcb	b	bccw
	Calshot, S'thmtn	bc	bcy	bw	bbc
	Dungeness	bc	bc	*	bc
	Lympne	cfbc	bc	bbcm₀	bcm₀w
2	Shoeburyness	cm₀bm₀bc	bcbbc	bcb	bbcbm₀w
	Felixstowe	cbcy	bcy	bcb	b,c
	Gorleston	bcc	cbc	cbm₀	bcpr₀
	Cranwell	bcm₀	bcz₀	bccm₀	cprc
3	Cardington	*	*	cbcb	bbcc
	Birmingham	bc	bc	bcc	cpr₀
	Upper Heyford	cbc	bcy	bcw	bc
	Leafield	cbc	bc	bcw	bcc
4	Ross-on-Wye	bc	bcyc	c	coc
5	Portland Bill	cbc	bc	bc	bcc
	Plymouth	bfcbc	bc	bco	or₀r₀s
	Falmouth	bc	bc	bccq	cod₀m₀
	Scilly (St. Mary's)	bc	bcc	coff	odss
	Guernsey	bc	bc	bcbw	bcwc
6	Pembroke	bcz₀	bc	bccpr	cd₀iF
7	Holyhead	cbcc	c	com₀	r₀r₀
	Chester (Sealand)	cbc	bcc	bccm₀	eg r₀
8	L'pool (Bidston)	cclbc	bc	bccv	eiDV
9	Harrogate	bbc	bcb	bbc	bcc
10	Spurn Head	bc	cbc	bcc	cprc
	Tynemouth	bc₀	bc	bco	obcq
11	Inchkeith	bcc	c	c	cir₀
	Leuchars	bcvb	cyc	c	cq pr₀
12	Renfrew	bcc	c	cm₀r₀	cir₀
	Eskdalemuir	cbc	bcc	cr₀	crrc
13A	Tiree	bcc	c cm₀	cir	or₀r₀
13B	Stornoway	c	c	orr	oir,cd₀
15	Dalwhinnie	bc	bc	*	rc
	Aberdeen	bbcy	bcyb	bc,cr	c
	Wick	bccpr	c	circ	cir,c
16	Lerwick	cphr₀	c	c	or₀r₀m₀
17	Blacksod Point	c	c	irq	ir
18	Malin Head	bcc	cq	cgr₀c	cd₀m₀
	Aldergrove	c	ccptr	crd₀	c
	Donaghadee	bc	bcc	c	cprc
19	Birr Castle	c	c	cir₀	cod₀
20	Valentia Obsy.	bcwcbcc	cr₀r₀	cd₀d₀id	cidicp₀
	Roches Point	bc	bcoid	odd	odfo

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. "t r" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky. "9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29.—STATE OF GROUND.

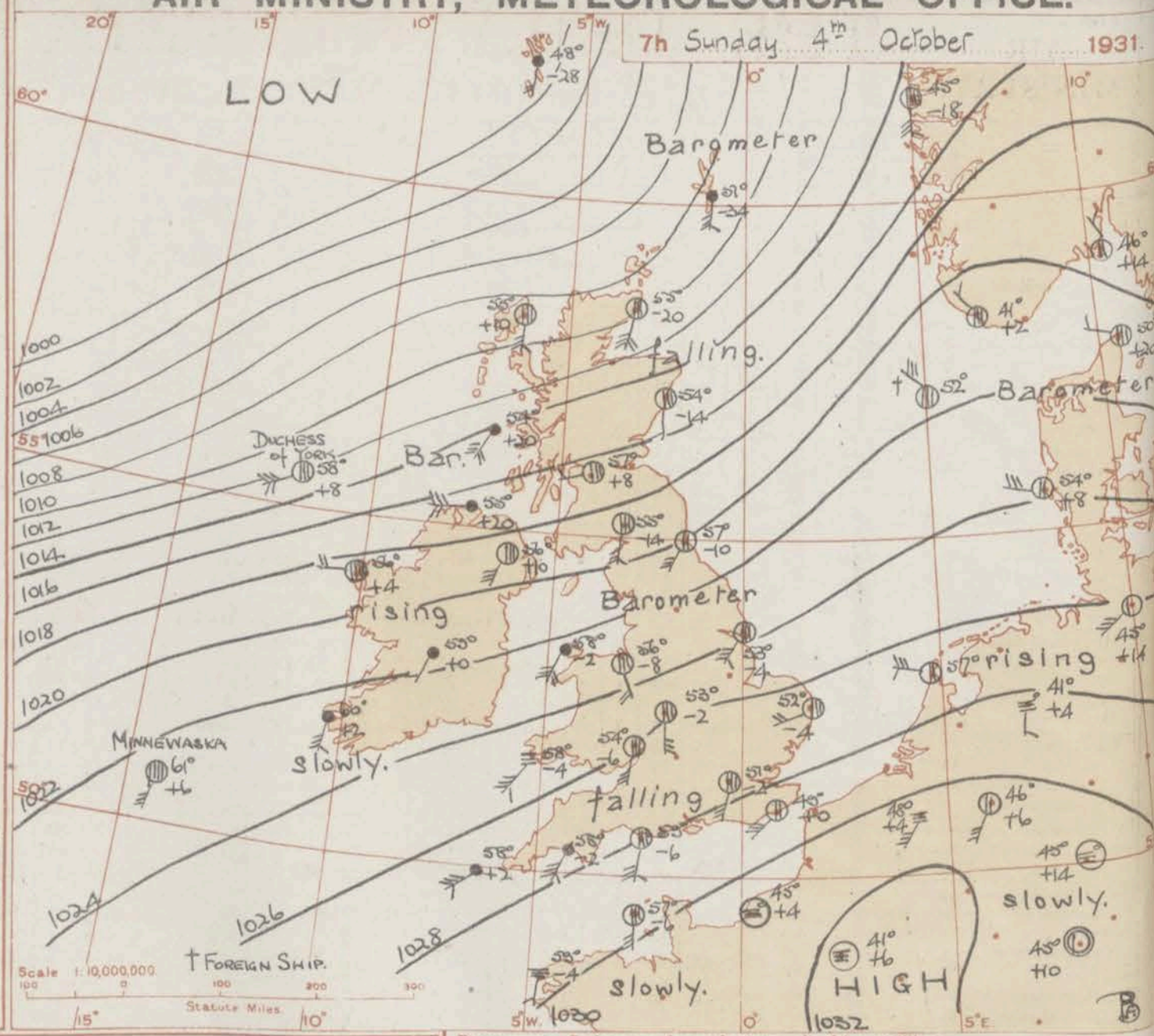
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 3rd October 1931.

District	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 17h. 3rd	Sunshine. Sunrise to Sunset. 2nd
1	Tunbridge W.	b	bcb	45	62	Trace	–	8·9	0·0
	Bournemouth	b	b	47	64	–	–	9·2	0·0
	Ventnor ...	b	b	50	62	Trace	–	9·9	0·1
	Southsea ...	b	b	50	65	–	–	9·7	0·0
	Bognor Regis	b bc	b	48	65	–	–	9·1	0·1
	Littlehampton	bc	bcb	47	65	–	–	9·6	0·0
	Worthing ...	bbc	bc	48	64	Trace	–	9·1	0·0
	Brighton ...	bc	bc	49	63	–	–	9·4	0·0
	Eastbourne†	bcbcb	bbcb	49	63	0·1	–	9·7	0·2
	Hastings† ...	mbcb	bbc	49	62	0·3	–	8·8	0·0
	Folkestone ...	wb c	bc	49	63	Trace	–	6·7	0·0
	Dover... ...	bc	bc	51	63	Trace	–	8·6	0·1
	Deal	bc	bc	49	63	–	–	8·5	0·5
	Ramsgate ...	bc	bc	49	63	–	–	9·2	0·3
	Margate ...	bc	bbc	52	62	–	–	9·1	1·4
2	Southend ...	bcb	b	48	64	Trace	–	8·3	1·0
	Maldon ...	bcb	b	45	63	0·5	–	8·0	2·2
	Clacton-on-Sea	bc	bc	47	62	–	–	6·4	1·9
	Dovercourt ...	dbc	bc	49	63	Trace	–	4·5	2·7
	Lowestoft ...	bcyc	bzb	47	58	1	–	2·9	4·2
	Skegness ...	bcm.	bco	46	61	–	–	5·5	4·2
	Mablethorpe	bcco	cbcb	48	60	–	–	3·8	3·8
	Cleethorpes ...	bz.	bc	48	61	Trace	–	4·8	4·4
3	Leamington S.	c	c	47	62	–	–	4·0	1·3
4	Cheltenham†	bcwbq	bbig	45	63	–	–	5·0	0·0
5	Bath	cbcb	bcb	44	64	Trace	–	8·1	0·2
	Weymouth ...	b	b	47	65	–	–	10·0	0·2
	Jersey ...	bc	bcb	55	64	2	–	9·6	1·2
	Torquay ...	a.pbc	bwbcb	46	69	Trace	–	7·6	2·0
	Penzance ...	b	b	48	65	–	–	10·0	0·0
	St. Ives ...	b	b	54	60	–	–	9·6	1·3
	Bude	bcb	bbc	55	61	Trace	–	9·2	0·0
	Ilfracombe ...								
6	Aberystwyth	bcebc	bcbcc	55	60	–	–	6·6	1·4
7	Llandudno ...	cbc	bc	53	60	–	–	3·9	1·5
	Colwyn Bay...	cbc	cbc	53	62	–	–	3·7	1·2
	Rhyl	bc	bc	54	60	–	–	5·6	1·5
8	Wallasey ...	cbcbc	bbc	54	60	–	–	4·6	1·4
	Southport‖ ...	ocbc	bcc	54	60	–	–	2·9	2·0
	Blackpool ...	c	c	54	60	–	–	2·1	2·3
	Morecambe ...	cbcc	bcbbc	54	59	–	–	3·8	3·0
9	Ilkley... ...	bc	bc	49	61	–	–	6·6	2·6
10	Berwick-on-T.	bc	bc	48	59	–	–	9·2	5·7
11	Dumbar ...	bcm.	bc	47	59	1	–	5·9	3·4
12	Douglas ...	c	bcia.	51	57	–	Trace	0·4	4·4

† 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. 4th Oct. 1931.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Light to moderate southwest wind, mainly cloudy; perhaps some slight rain or drizzle; local coastal fog; rather warm.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Light to moderate southwest wind; mainly cloudy, occasional slight rain or drizzle; local coastal fog rather warm.
9. N. Midlands 10. N.E. England 11. S.E. Scotland	Moderate southwest wind; mainly cloudy; slight local rain or drizzle; local coastal fog; rather warm.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. ▼ B. N.W. Scotland.	Moderate to strong southwest winds; mainly cloudy; some rain or showers; rather warm.
14. Mid-Scotland 15. N.E. Scotland	Moderate southwest wind; mainly cloudy; slight rain or showers; rather warm.
16. Orkneys and Shetlands.	As 12 - 13B.
17. N.W. Ireland ▼ 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate or fresh southwest winds; mainly cloudy; slight rain or showers; local coastal fog; rather warm.

H.M. Stationery Office Press, Kingsway, W.C.2. Pk 305/2531. m 15 2600 10/31

GENERAL INFERENCE.

A large anticyclone centred over France is tending to drift slowly eastward, while slight secondaries associated with a large low pressure area in the far north are moving northeast across the British Isles. Weather will be mainly cloudy and rather warm, and some slight rain or drizzle will occur in most districts.

FURTHER OUTLOOK.

None issued.

Times of issues of gale warnings.

▼ South cone at 0808 on 1st in district 17.

▼ South cone at 1445 on 3rd in district 13A.

Forecasts issued at 1100 G.M.T.

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 4th October 1931.

No. 25,518

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

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	1029.8	-2	SW	3	c	49	95	6	-	3	-	0	7.8	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1029.8	-4	SW	2	bc	48	95	7	-	3	-	0	2.3	-
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1029.8	+4	NW	1	bc	49	85	6	-	3	-	0	4.6	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1028.5	0	WSW	2	bc	49	95	7	-	7	-	0	4.6	-
	Cranwell	240	1026.9	-6	S'W	2	c	49	95	5	5	-	-	9	9	7200
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	1029.1	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	~~1024.0~~	-4	WSW	4	bc	57	85	8	4	-	-	2.3	2.3	2500
	Plymouth	82		*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1027.9	-6	SW'S	3	c	57	95	8	5	2	-	4.6	10	4000
	Scilly (St. Mary's)	163	1028.4	-6	SSW	4	f	57	95	2	-	-	-	10	10	<150
	Guernsey	175	1030.4	-8	-	0	bc	48	95	7	-	6	-	0	4.6	-
6	Pembroke	142	1026.2	-6	SSW	4	o/pr	57	95	8	5	-	-	10	10	1500
7	Holyhead	26	1023.5	-20	SSW	5	r.r.	56	95	6	5	-	-	10	10	450
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1025.0	-2	SW'W	3	c	51	95	6	3	2	-	4.6	9+	1500
	Tynemouth	67	1022.5	-20	SW	2	o	53	85	6	6	-	-	10	10	1500
11	Inchkeith	190	1019.4	-22	SSW	3	c	55	85	8	5	7	-	4.6	10	4000
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1008.4	-38	S	7	r.r.	54	95	5	6	-	-	10	10	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1014.7	-36	SSW	4	ir	51	85	8	8	2	-	7.8	10	1500
16	Lerwick	54	1015.9	-24	S	2	c	50	95	7	5	-	-	9+	9+	1500
17	Blacksod Point	18	1017.9	-4	NSW	7	u	58	95	7	9	-	-	10	10	<150
18	Malin Head	52	1015.4	-8	S	5	c	58	95	7	8	-	-	9+	9+	1500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1022.4	-6	SW	4	o	59	95	5	-	-	-	-	10	2700
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 4th 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)	1028.3	-2	SW	2	c	52	95	7	5	-	-	9+	9+	4000	1	*
	Croydon	1028.8	-2	SSW	4	c	51	95	6	4	7	-	4.6	9	5700	0	*
	S. Farnborough	1028.5	-4	SSW	2	c	52	95	8	5	-	-	9+	9+	4000	1	*
	Winchester	1028.1	-4	SSE	1	c	51	95	7	5	-	-	9+	9+	4000	0	*
	Boscombe Down	1028.4	-2	S	3	c	52	95	7	5	-	-	9+	9+	2500	0	*
	Calshot, (S'thmtn)	1028.7	-6	SW	3	c	57	85	8	5	-	-	9+	9+	2500	0	1
	Dungeness	*	*	SW	3	c	*	*	7	1	7	*	4.6	7.8	1500	*	1
	Lympne	1029.0	0	WSW	3	bc	49	95	6	-	3	1	0	2.3	-	1	*
2	Shoeburyness	1028.7	-2	SW	1	bc	52	95	6	-	3	9	0	4.6	-	0	*
	Felixstowe	1028.2	0	SW'S	3	c	54	85	7	5	-	-	7.8	7.8	4000	0	1
	Gorleston	1026.5	-4	WSW	2	c	52	85	6	4	8	-	9	9	2500	0	2
	Cranwell	1024.9	-12	SW	4	c/pr	53	85	7	5	3	-	7.8	7.8	4000	1	*
3	Cardington	1026.6	-4	SW'S	3	c	54	75	7	5	4	-	7.8	9	4000	*	*
	Birmingham	1026.0	-2	SSW	3	c	53	95	8	6	-	-	7.8	7.8	1500	1	*
	Upper Heyford	1027.1	-4	SW	3	c	51	95	7	5	2	-	9	9+	2500	0	*
	Leafield	1027.1	-4	SW	3	c	51	95	8	5	-	-	9+	9+	2500	0	*
4	Ross-on-Wye	1026.1	-6	SW'S	3	c	54	85	7	5	-	9	9	9+	2500	0	*
5	Portland Bill	1028.0	-6	SW'S	4	c	59	85	7	4	7	-	4.6	9	2500	0	3
	Plymouth	1027.8	-2	SW	2	r.r.	58	95	2	5	-	-	10	10	<150	1	1
	Falmouth	1026.3	-4	SW	4	id.	58	95	6	6	-	-	10	10	2500	1	2
	Scilly (St. Mary's)	1027.5	-2	SWW	4	df	58	95	1	5	-	-	10	10	<150	1	3
	Guernsey	1029.3	-6	S	3	c	57	95	8	8	6	-	7.8	9	2500	0	3
6	Pembroke	1024.8	-4	SWW	4	f	58	95	2	5	-	-	10	10	<150	1	3
7	Holyhead	1022.1	-2	SW'S	5	id	58	95	6	5	-	-	10	10	450	1	1
	Chester (Sealand)	1023.2	-8	SSE	2	c	56	95	8	5	-	-	9+	9+	2500	1	*
8	L'pool (Bidston)	1022.7	-2	WSW	3	c/d	58	85	9	5	1	-	7.8	10	2500	1	*
9	Harrogate	1022.5	-10	S'E	3	c	54	95	7	6	8	-	9	9+	2500	0	*
10	Spurn Head	1023.2	-4	SWW	4	c	53	85	7	-	7	9	0	9+	-	0	3
	Tynemouth	1018.7	-10	SW	3	bc	57	85	7	2	-	-	4.6	4.6	2500	0	1
11	Inchkeith	1014.9	-16	SW	5	c	57	95	8	8	-	9	4.6	7.8	1500	0	3
	Leuchars	1014.7	-10	SW	4	c/pr	57	95	8	8	3	1	7.8	9	1500	1	*
12	Renfrew	1017.7	+8	WSW	1	c	57	85	7	8	-	-	9+	9+	2500	1	*
	Eskdalemuir	1018.3	-4	SW'S	4	c	56	95	6	5	-	-	9+	9+	800	1	*
13A	Tiree	1016.0	+20	SWW	5	id	54	95	7	6	2	-	4.6	9	1500	1	3
13B	Stornoway	1008.5	+10	S	4	c	55	95	8	3	7	-	7.8	9+	1500	1	3
15	Dalwhinnie	1013.2	-4	WSW	5	c	54	85	8	9	1	-	4.6	7.8	1500	1	*
	Aberdeen	1012.5	-14	S	1	c	54	95	8	5	-	-	9	9	1500	1	1
	Wick	1008.9	-20	SSW	6	c	55	85	8	8	4	9	7.8	9+	1500	0	3
16	Lerwick	1008.6	-34	S	4	r.c.	51	95	5	6	-	-	10	10	800	1	*
17	Blacksod Point	1018.9	+4	W	2	c	56	95	7	-	2	-	0	10	-	1	3
18	Malin Head	1017.7	+22	W	5	id.	56	95	5	6	2	-	7.8	10	800	0	3
	Aldergrove	1019.7	+10	SSW	3	c	56	85	8	5	-	-	9+	9+	1500	1	*
	Donaghadee	1019.0	+10	WNW	1	c	58	95	7	5	-	-	7.8	7.8	1500	1	0
19	Birr Castle	1021.7	0	SW	1	d.d.	59	95	6	5	-	-	10	10	1500	1	*
20	Valentia Obsy.†	1022.4	+2	SSW	4	o/pr	60	95	7	5	-	-	10	10	450	1	3
	Roches Point	1023.3	-6	SW	2	o	57	95	6	5	-	-	10	10	800	1	2

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 3rd Hrs. (36)
1	London (Kew)	62	47	38	-	Tr.	8.4
	Croydon	62	47	45	-	Tr.	7.4
	S. Farnborough	64	45	39	-	-	7.8
	Winchester	63	43	41	-	-	3.0
	Boscombe Down	62	44	34	Tr	Tr.	*
	Calshot, (S'thmtn)	64	47	45	-	Tr.	3.9
	Dungeness	64	44	*	-	Tr.	*
	Lympne	61	46	39	Tr	Tr.	7.7
2	Shoeburyness	63	46	37	-	-	8.7
	Felixstowe	62	49	37	-	-	5.2
	Gorleston	59	48	44	-	Tr.	3.3
	Cranwell	60	46	41	-	0.4	3.0
3	Cardington	*	*	*	*	*	*
	Birmingham	61	49	44	-	0.3	2.9
	Upper Heyford	62	47	40	-	-	*
	Leafield	61	47	37	-	-	6.7
4	Ross-on-Wye	64	51	47	-	-	6.6
5	Portland Bill	61	57	*	-	-	*
	Plymouth	62	50	44	Tr	0.1	6.7
	Falmouth	63	55	*	-	Tr.	10.3
	Scilly (St. Mary's)	63	56	*	-	1	8.0
	Guernsey	62	47	40	-	-	3.6
6	Pembroke	60	56	*	-	0.3	8.1
7	Holyhead	61	55	52	-	4	2.8
	Chester (Sealand)	61	50	47	-	1	3.9
8	L'pool (Bidston)	58	52	50	Tr	0.5	3.9
9	Harrogate	59	51	45	-	-	6.5
10	Spurn Head	58	51	*	-	Tr.	3.8
	Tynemouth	61	51	45	-	-	*
11	Inchkeith	56	52	48	-	Tr.	4.7
	Leuchars	59	46	39	-	Tr.	4.8
12	Renfrew	59	51	48	-	0.5	2.6
	Eskdalemuir	56	49	46	-	5	4.0
13A	Tiree	57	53	51	Tr	2	2.4
13B	Stornoway	59	52	*	-	1	5.7
15	Dalwhinnie	52	45	41	-	0.6	2.5
	Aberdeen	60	47	39	-	0.6	7.8
	Wick	56	45	*	0.6	0.2	*
16	Lerwick	49	44	*	Tr	1	6.7
17	Blacksod Point	60	55	*	1	1	*
18	Malin Head	58	54	*	-	0.6	1.1
	Aldergrove	59	53	49	Tr	0.4	1.0
	Donaghadee	60	54	*	-	0.6	*
19	Birr Castle	61	57	54	-	0.2	0.6
20	Valentia Obsy.†	62	58	58	1	2	3.4
	Roches Point	61	56	*	0.1	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	fm3Wbcy	boyb3o	b3mwc	62	47	38	-	Tr.	8.4	*	*	6
CROYDON	217	cbc3o	bcyb3o	bc3wc	62	47	45	-	Tr.	7.4	*	*	6
GREENWICH (Royal Observatory)	149	c@b	bybc	bwc	63	47	36	-	Tr.	7.2	51	82	6
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	6.3	*	*	*
WESTMINSTER (St. James' Park)	27	*	*	*						8.4			*
REGENTS PK. (Botanic Gardens)	168	*	*	*	*	*	*	*	*		*	*	*
CAMDEN SQUARE	110									*	*		*
KENSINGTON	80	bc	bc	*	63	49	40	-	-	7.5	At 18h. 77	88	*
HAMPSTEAD OBSERVATORY	450	bc	bc	bm	63	46	40	-	-	8.3	*	89	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

SOUTH KENSINGTON. Max.	Time.	Min.	Time.
1.3	19h 3rd	0.0	1h - 6h 4th

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0.6	20hrs 3rd	<0.1	12hrs 3rd

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 3rd October. Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 4th October. Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall Day. mm.	Rainfall Night. mm.
PARIS						1032.1	-	0	f-	41		39		-
BRUSSELS	1028.7	NW	2	bc	52	1030.8	SW	2	f	48	63	43	-	-
BERLIN	1020.0	W	3	b	54	1026.0	WN	3	c	48	61	46	3	-
ZÜRICH	1026.1	NE	1	ir.	?	1031.2	NE	1	3	50	?	48	6	Tr.
ROME						1021.8	ENE	2	b	50		46		-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 18.
The barometric tendency is expressed in tenths of a millibar.

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

† 1 hr observations are from Valentia W/T station

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

MONDAY, 5th OCTOBER, 1931.

No. 25,519.

OBSERVATIONS at 13h. G.M.T. 4th 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)	1027.0	-10	SW'S	3	ir₀	62	85	6	7	-	-	10	10	2500
	Croydon	1027.4	-10	SSW	3	c	62	85	6	5	2	-	9	10	1500
	S. Farnborough	1027.0	-10	SSW	3	c	62	85	7	5	-	-	10	10	1500
	Winchester	1027.2	-8	SW	3	c	61	85	7	5	-	-	10	10	2500
	Boscombe Down	1027.0	-12	SSW	4	ia₀	60	95	7	5	-	-	(10)	(10)	800
	Calshot, S'thmtn	1027.8	-10	SW'S	4	d₀d₀	61	85	6	5	-	-	10	10	1500
	Dungeness	*	*	SW	4	c	*	*	7	4	3	*	4-6	7-8	1500
	Lympne	1027.8	-10	SW	4	c	59	75	7	4	-	-	9+	9+	2500
2	Shoeburyness	1027.0	-12	SW	2	c	64	85	7	5	3	-	4-6	7-8	5700
	Felixstowe	1026.5	-16	SSW	4	bc	64	65	8	1	4	-	Tr	2-3	4000
	Gorleston	1025.4	-10	SW	4	c	62	85	6	2	3	-	4-6	7-8	2500
	Cranwell	1023.1	-18	SW'W	5	bc	65	75	7	1	8	-	1	2-3	2500
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1024.5	-8	SW	3	c	60	85	8	6	-	-	9	9	1500
	Upper Heyford	1025.8	-10	SW	4	c	61	85	8	5	-	-	10	10	800
	Leafield	1025.8	-4	SW'S	3	ir₀	59	95	8	5	-	-	10	10	1500
4	Ross-on-Wye	1025.0	-8	SW	3	c	62	85	7	5	-	-	9+	9+	2500
5	Portland Bill	1027.2	-6	SW	5	d₀d₀	60	95	6	5	2	-	7-8	10	1500
	Plymouth	1027.2	-6	SW'S	3	dd	59	95	5	5	-	-	10	10	<150
	Falmouth	1027.2	-4	SW'W	5	id₀	61	95	6	5	2	-	2-3	9	2500
	Scilly (St. Mary's)	1027.4	-4	SW'W	4	of-	60	85	3	5	-	-	9+	9+	800
	Guernsey	1028.9	-2	SSW	3	c	64	85	7	8	2	-	7-8	10	2500
6	Pembroke	1024.8	0	SW'W	3	f	59	95	1	5	-	-	10	10	<150
7	Holyhead	1021.3	-10	SW	5	f	59	95	3	5	-	-	10	10	<150
	Chester (Sealand)	1022.3	-8	SW'W	3	c	68	75	9	5	-	1	9	9	2500
8	L'pool (Bidston)	1021.9	0	W'S	4	c	64	75	9	8	2	-	7-8	9	2500
9	Harrogate	1021.4	0	SSW	3	ia₀	61	95	6	6	8	-	9	9+	2500
10	Spurn Head	1021.9	-4	WSW	4	bc	64	75	6	1	3	1	2-3	4-6	4000
	Tynemouth	1017.6	-4	W	4	bc	67	65	7	1	-	1	2-3	4-6	2500
11	Inchkeith	1017.5	+8	SW	4	bc	57	85	8	7	4	6	4-6	4-6	2500
	Leuchars	1016.4	+8	WSW	6	q	62	65	8	1	4	1	2-3	4-6	2500
12	Renfrew	1018.7	+4	WSW	4	c/pr	57	85	8	8	-	-	7-8	7-8	1500
	Eskdalemuir	1018.7	0	WSW	5	bc	59	65	7	7	-	-	4-6	4-6	2500
13A	Tiree	1016.1	+2	SW'S	4	c	57	85	7	5	7	-	7-8	9+	2500
13B	Stornoway	1011.6	+4	WSW	5	bc	58	75	8	3	6	-	4-6	4-6	1500
15	Dalwhinnie	1015.6 / 1016.7	+6	NE	2	c	58	65	8	4	4	-	4-6	10	4000
	Aberdeen		+6	W	1	bc	66	55	8	-	9	9	0	4-6	-
	Wick	1013.6	+24	WSW	4	bc	60	75	8	8	4	9	4-6	4-6	2500
16	Lerwick	1011.5	+6	WSW	4	r₀r₀	53	95	6	6	-	-	10	10	800
17	Blacksod Point	1006.2	-8	WSW	6	OD	59	95	6	6	-	-	10	10	<150
18	Malin Head	1016.9	-4	SSW	3	c	60	85	8	8	-	-	9+	9+	1500
	Aldergrove	1017.4	-10	SSW	4	c	62	85	8	5	-	-	7-8	7-8	2500
	Donaghadee	1018.9	-6	SW	1	c	62	85	8	5	-	-	7-8	7-8	1500
19	Birr Castle	1020.7	-6	W	3	c	65	75	8	8	-	-	9	9	2500
20	Valentia Obsy.	1021.8	-10	S'W	4	id	61	95	6	5	-	-	10	10	800
	Roches Point	1023.0	-6	SW	3	ia₀	60	95	6	5	-	-	10	10	1500

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

Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Cloud. Form. Med. (24)	Cloud. Form. High. (25)	Cloud. Amount. Low. 0-10 (26)	Cloud. Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
London (Kew)	1025.6	-8	SW	3	c	60	95	5	5	-	-	9+	9+	1500	1	*
Croydon	1025.8	-6	SW'S	3	id₀	60	95	6	5	7	-	7-8	9+	800	1	*
S. Farnborough	1025.9	-2	SW	2	id₀	60	85	6	5	-	-	10	10	450	1	*
Winchester	1026.0	+2	SW	3	0	60	85	6	5	-	-	10	10	800	0	*
Boscombe Down	1025.6	-4	SW	3	id₀	60	95	7	5	-	-	10	10	450	0	*
Calshot, S'thmtn	1026.4	-2	SW'S	4	dd	59	95	6	5	-	-	10	10	220	1	2
Dungeness	*	*	SW	4	d₀d₀	*	*	7	3	2	*	7-8	9+	1500	*	3
Lympne	1026.7	-4	SW	3	c/d	57	85	6	5	2	-	9	10	450	1	*
Shoeburyness	1026.1	-6	SW	2	bc	59	95	6	5	3	-	2-3	4-6	5700	0	*
Felixstowe	1025.6	-2	SW'S	3	c	60	85	7	5	1	-	9	10	1500	0	2
Gorleston	1023.9	-6	WSW	3	c	62	85	6	5	-	-	9	9	2500	0	2
Cranwell	1022.6	-6	SW	4	c	61	85	6	5	3	-	4-6	9+	1500	0	*
Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birmingham	1023.2	-4	WSW	3	c	62	85	8	6	-	-	9	9	1500	0	*
Upper Heyford	1024.6	-6	SW	3	c	60	95	7	5	-	1	7-8	7-8	1500	0	*
Leafield	1024.5	-6	SW	2	c	60	95	8	6	-	9	9	9	1500	0	*
Ross-on-Wye	1024.1	-6	SW	3	bc	60	95	7	5	-	2	2-3	4-6	2500	0	*
Portland Bill	1025.6	-10	SW'W	5	d₀d₀	59	95	6	5	2	-	7-8	10	1500	1	4
Plymouth	1026.4	0	SW	3	id₀	58	95	5	5	-	-	10	10	<150	1	1
Falmouth	1026.3	-4	SW	4	d₀d₀	59	95	6	5	2	-	2-3	10	2500	1	1
Scilly (St. Mary's)	1026.3	-2	SW	4	c	58	95	7	5	-	-	9+	9+	4000	1	3
Guernsey	1027.7	-4	SW	3	bc	60	95	6	8	3	-	4-6	4-6	1500	0	2
Pembroke	1023.6	-10	SW	3	o/F	58	95	6	5	-	-	10	10	800	1	2
Holyhead	1020.6	-2	SW	4	0	57	95	5	5	-	-	10	10	220	1	1
Chester (Sealand)	1021.9	+2	SW	1	c	63	85	9	5	-	-	9+	9+	2500	1	*
L'pool (Bidston)	1021.2	+2	WSW	4	c	61	85	9	8	-	-	7-8	7-8	2500	0	*
Harrogate	1020.8	-6	SSW	2	id₀	60	95	5	6	-	-	9+	9+	2500	0	*
Spurn Head	1021.1	-2	SW'W	4	c	60	85	7	5	1	1	2-3	9	2500	0	2
Tynemouth	1018.1	+4	SW	2	bc	62	75	6	9	-	-	4-6	4-6	2500	0	2
Inchkeith	1016.9	-4	SSW	2	bc	55	95	7	5	4	6	2-3	4-6	2500	0	2
Leuchars	1015.6	-2	W	4	bc	56	85	7	5	-	1	2-3	2-3	4000	0	*
Renfrew	1016.8	-10	SW	3	c	58	95	6	8	-	-	9+	9+	1500	1	*
Eskdalemuir	1017.5	-8	SSW	3	dd	56	95	5	5	-	-	10	10	<150	1	*
Tiree	1012.4	-24	S'E	5	Dr	56	95	6	6	-	-	10	10	1500	1	3
Stornoway	1008.7	-12	SW	6	r₀r₀	55	95	5	6	-	-	10	10	1500	1	4
Dalwhinnie	1014.9	-6	SW	4	bc	52	85	8	3	2	-	2-3	4-6	800	0	*
Aberdeen	1013.8	0	SSW	2	bc	58	65	8	-	4	9	0	2-3	-	1	1
Wick	1011.1	-4	WSW	3	bc	54	75	8	8	4	8	4-6	4-6	2500	0	3
Lerwick	1008.7	+6	W'S	4	bc	53	95	7	5	8	-	2-3	2-3	1500	1	*
Blacksod Point	1015.0	-10	SW	6	c	58	95	7	2	2	-	10	10	<150	0	4
Malin Head	1013.5	-26	SSW	3	c/d	61	95	7	9	2	-	4-6	10	800	1	2
Aldergrove	1017.4	-6	S	3	id₀	60	95	7	5	-	-	10	10	450	1	*
Donaghadee	1017.7	-8	SSW	1	ir₀	62	95	8	5	-	-	7-8	7-8	1500	1	0
Birr Castle	1019.0	-6	WSW	3	c/d	64	95	8	8	-	8	7-8	9+	1500	1	*
Valentia Obsy.	1020.4	-6	S	5	id	60	95	6	5	-	-	10	10	450	1	3
Roches Point	1021.9	-8	SW	3	d₀d₀	59	95	6	5	-	-	10	10	800	1	3

PAST 24 HOURS.

Stations.	Weather. 7h.—13h. 4th (37)	Weather. 13h.—18h. 4th (38)	Weather. 18h. 4th to 1h. 5th (39)	Weather. 1h.—7h. 5th (40)
London (Kew)	cwc3₀	c3₀r₀cm₀	om₀	om₀cm₀r₀
Croydon	cm₀3₀	cm₀id₀	bcd₀cm₀	bcm₀d
S. Farnborough	c	cid₀	oid₀	cid₀c
Winchester	c	cid₀o	cidc	cidc
Boscombe Down	c	ccid₀	cid₀	oir₀
Calshot, S'thmtn	bcod₀	od₀id₀	oid₀m₀	cod₀d₀m₀
Dungeness	bc	bc	*	f
Lympne	bcc	ccd₀	cofe	od₀fe
Shoeburyness	bcm₀cm₀c	c cm₀	cm₀	cm₀omd
Felixstowe	cbc	bcc	co	ocm₀
Gorleston	cq	c	c	c
Cranwell	cm₀bc	bccm₀	cm₀bw	bm₀wc
Cardington	*	*	*	bb₀c
Birmingham	cbcc	c	c	cpr₀
Upper Heyford	c	cid₀	cbc	bccoir₀
Leafield	cir₀	cod₀c	c	cor₀c
Ross-on-Wye	oid₀c	cbc	bccbc	c
Portland Bill	cd₀3₀	cd₀3₀	dfc3₀	Fdcid3₀
Plymouth	r₀r₀dam	ddfid₀	id₀mf	fmid₀
Falmouth	od₀m₀	od₀m₀	om₀d₀	cm₀
Scilly (St. Mary's)	odff	cifc	cifd₀	if id
Guernsey	co	ocbc	od₀	od₀om
Pembroke	iF	oiF	FF	om₀
Holyhead	dm₀fom	fom₀	d₀om₀o	om₀
Chester (Sealand)	cbcv	cv	cbcq	c
L'pool (Bidston)	cv	vbccv	vcp₀c	cbccv
Harrogate	bccid₀	cid₀	cbcid₀	cbcid₀
Spurn Head	cbc	bcc	cbcw	bcc
Tynemouth	bcq	bcq	bc	bc
Inchkeith	cbc	bc	bccpr	cir₀
Leuchars	cbcq	bcqbc	bcckrq	crid₀
Renfrew	cpr₀	pr₀c	cr₀r₀	cb₀bm₀
Eskdalemuir	cbc	bcod	odrrc	crr
Tiree	c	cid₀r	odrr	oir₀
Stornoway	cpd	c	cprd	cir₀q
Dalwhinnie	bc	bc	r	
Aberdeen	cbcy	bcy	bc	bc
Wick	cbc	bc	bccprq	cprqc
Lerwick	or₀r₀m₀	or₀r₀m₀	bcc	cir₀
Blacksod Point	id	id	idq	id
Malin Head	cd₀m₀c	c	cidc	cidrc
Aldergrove	r₀cdd	cbc	bccir₀	
Donaghadee	c	cir₀	ir₀bcb	bbcc
Birr Castle	cid₀c	cid₀	cd₀c	c
Valentia Obsy.	cp₀r₀d	cd₀d₀id	cd₀d₀	cd₀d₀id
Roches Point	oid₀	id d₀d₀	d₀d₀	oido

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
f_s, fog over sea (coast station).
f_g, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
k_n, 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.

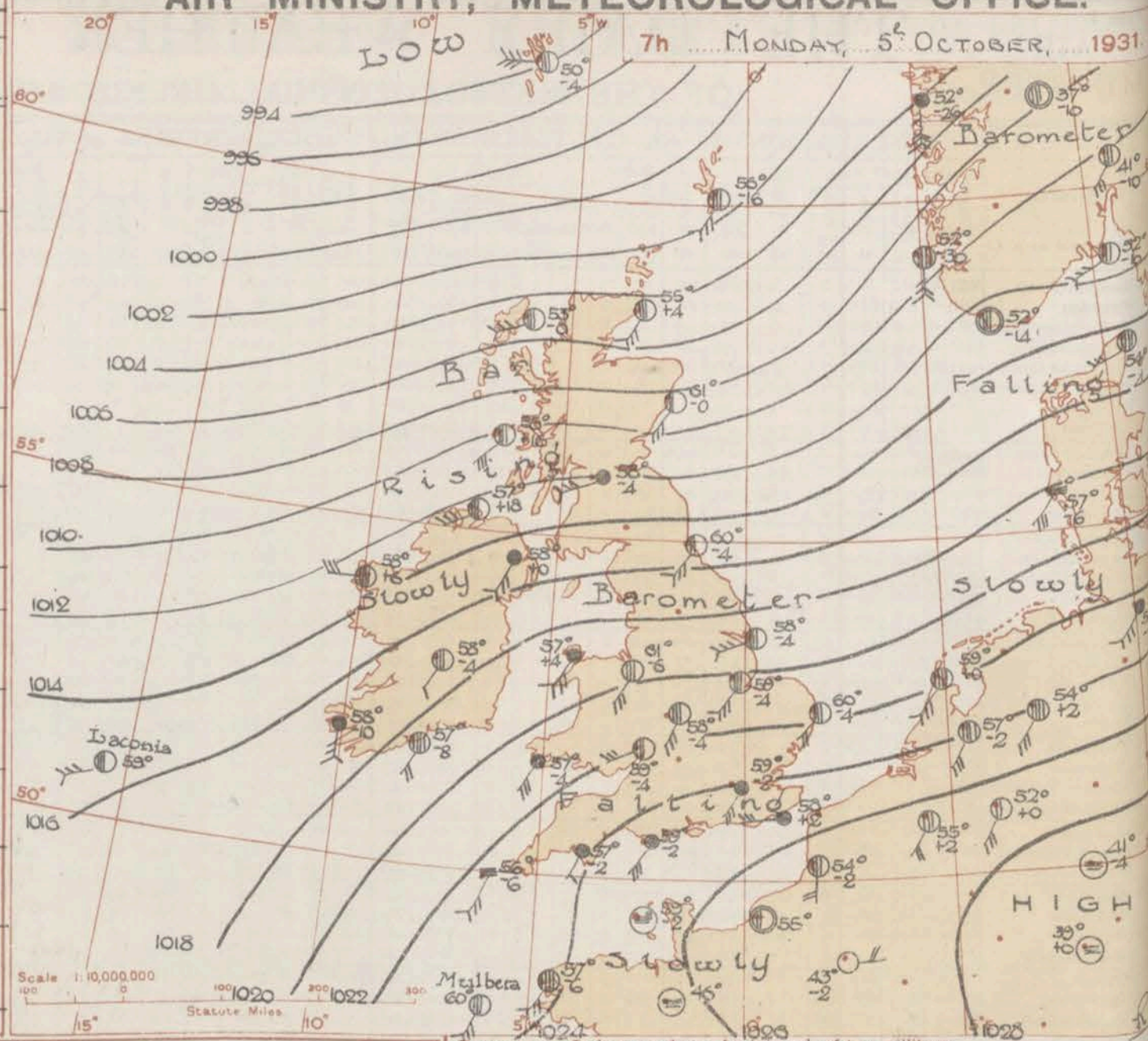
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for October, 4th, 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 17h. 4th	Sunshine. Sunrise to Sunset. 3rd
1	Tunbridge W.	oc	co	42	62	–	–	1.2	8.9
	Bournemouth	o	o	46	62	–	–	0.0	9.2
	Ventnor ...	coaf	oaf	53	60	–	Trace	0.2	9.9
	Southsea ...	c	coa₀	47	63	–	Trace	0.6	9.7
	Bognor Regis	bc	crro	49	61	–	0.3	0.6	9.1
	Littlehampton	c	coa₀	44	61	–	Trace	0.8	9.6
	Worthing ...	co	oa₀	45	61	–	0.3	0.7	9.1
	Brighton ...	bc	bcor	46	61	–	0.2	1.7	9.4
	Eastbourne†	cpoa₀	oad	51	62	–	0.3	3.1	9.7
	Hastings† ...	bbc	bccoa₀	49	63	–	–	3.5	8.8
	Folkestone ...	wbc	bcco	48	65	–	–	5.0	6.7
	Dover... ...	bc	bcc	46	61	–	–	6.5	8.6
	Deal	bc	bcco	48	63	–	–	6.3	8.5
	Ramsgate ...	bc	c	49	63	–	–	3.5	9.2
	Margate ...	bc	c	50	64	–	–	3.3	9.1
2	Southend ...	bcc	co	50	64	Trace	–	2.2	8.3
	Maldon ...	cb	bcc	43	67	–	–	2.9	8.0
	Clacton-on-Sea	bc	bcco	50	63	–	–	2.6	6.4
	Dovercourt ...	bcc	bcoc	49	66	–	–	3.1	4.5
	Lowestoft ...	cm₀bc	bc	47	65	0.2	–	1.6	2.9
	Skegness ...	bbc	bam₀	48	67	–	–	3.4	5.5
	Mablethorpe	bc	bc	45	62	0.3	–	4.2	3.8
	Cleethorpes ...	b	bc	47	67	–	–	6.6	4.8
3	Leamington S.	c	c	55	65	–	–	2.5	4.0
4	Cheltenham†	oc	c	51	63	Trace	–	0.2	5.0
5	Bath	d₀c	cd	46	67	Trace	0.3	0.0	8.1
	Weymouth ...	cid	idm₀	52	61	–	0.4	0.0	10.0
	Jersey ...	c	bc	48	63	–	–	0.8	10.0
	Torquay ...	odmoc	d₀pc	48	65	Trace	Trace	1.0	7.8
	Penzance ...	odm	orac	56	63	1	0.5	0.0	10.1
	St. Ives ...	cd	cd	54	65	0.5	–	0.8	9.9
	Bude	md	md	47	61	0.4	1	0.0	9.4
	Ilfracombe ...	odge	odge	59	62	–	2	0.0	7.2
6	Aberystwyth	cm₀fc	c	54	62	Trace	–	0.6	6.6
7	Llandudno ...	c	cbc	53	66	1	–	3.1	3.9
	Colwyn Bay...	bcc	cbc	?	(65)	1	–	?	(5.5)
	Rhyl	bcc	cbc	53	66	2	–	2.7	5.7
8	Wallasey... ...	r₀bc	bc	53	67	1	–	1.2	4.6
	Southport‖ ...	rco	co	52	63	0.4	–	0.3	2.9
	Blackpool ...	oro	co	52	61	1	–	0.1	2.1
	Morecambe ...	iro	idco	51	59	4	0.5	0.0	3.5
9	Ilkley... ...	bccco	d₀o	49	62	–	Trace	1.3	6.6
10	Berwick-on-T.	bc	bc	49	65	–	–	9.2	9.2
11	Dunbar ...	bc	bc	50	62	–	–	8.1	5.9
12	Douglas ...	omyon	rcob	52	60	1	1	0.5	0.4

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



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with the wind. Number of feathers indicate Beaufort force. Calm. - ⊙
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :—
○ Clear sky. ◐ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 6/10 to 9/10 clouded. ● Overcast sky.
● Rain falling. ✱ Snow. ▲ Hail. ≡ Fog. ≡ Mist. ⊤ 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. 5th Oct., 1931.

Districts.	Forecasts
1. S.E. England	Moderate or fresh southerly or southwesterly winds; cloudy, rain or drizzle at times; mild.
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	Moderate or fresh winds between south and west; cloudy, rain or drizzle at times; mild.
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

GENERAL INFERENCE.

Secondary depressions crossing the British Isles from the West will cause mild, cloudy weather generally with rain or drizzle at times in most districts.

FURTHER OUTLOOK.

Rather unsettled.

Forecasts issued at 0810 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2. Pa 305/2321. Wt. 15. 0.600. 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, 5th OCTOBER, 1931.

No. 25,519.

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

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	SSW	3	c	59	95	6	5	–	4	4.6	7.8	450
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1025.7	-6	SW	3	c	59	95	7	5	–	–	7.8	7.8	450
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1025.1	-8	SW	3	F	58	95	1	–	–	–	10	10	450
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1023.2	-6	SW	3	c	59	95	6	4	–	–	9	9	2500
	Cranwell	240	1021.7	-6	WSW	4	b	58	95	6	–	–	1	0	Tr.	–
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1025.2	-4	SW'W	4	c	59	95	6	4	1	–	4.6	10	1500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1024.9	-6	SW'S	3	c	57	95	7	5	–	–	10	10	4000
	Scilly (St. Mary's)	163	1025.0	-10	SSW	4	c	57	95	6	5	–	–	9	9	4000
	Guernsey	175	1026.5	-14	–	0	0	59	95	7	5	–	–	10	10	1500
6	Pembroke	142	1022.9	-4	SW	5	d_0d_0	58	95	5	5	–	–	10	10	1500
7	Holyhead	26	1019.4	-8	SW'S	5	0_0	58	95	6	2	–	–	10	10	220
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1020.4	-2	WSW	4	bc	59	95	7	–	1	–	0	2.3	–
	Tynemouth	67	1016.0	-10	WSW	4	bc	60	85	7	2	–	–	4.6	4.6	2500
11	Inchkeith	190	1013.6	-10	SW	4	c	59	95	8	8	7	–	4.6	7.8	2500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1005.0	-6	SSW	6	c	57	85	7	6	1	–	4.6	7.8	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1006.9	-18	SSW	5	br	53	85	7	9	2	–	7.8	10	1500
16	Lerwick	54	1005.5	-16	SW	3	c	55	85	7	5	–	–	5+	9+	1500
17	Blacksod Point	18	1012.4	-8	SW	8	u	60	95	7	9	–	–	10	10	<150
18	Malin Head	52	1011.8	-8	S	4	id_0	62	95	7	6	1	–	4.6	9+	1500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1019.0	0	SW	4	id_0	59	95	8	5	–	–	10	10	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1024.5	0	SW	2	c	59	95	6	5	–	–	9+	9+	1500	1	*
Croydon	1024.7	-2	SW	3	dd	59	95	6	5	–	–	10	10	800	1	*
S. Farnborough	1024.5	0	SW	2	c	58	95	8	5	3	1	9+	9+	2500	1	*
Winchester	1024.6	0	WSW	2	c	57	95	6	5	–	–	9+	9+	1500	1	*
Boscombe Down	1024.9	0	SW	3	c/r	57	95	6	5	–	–	9+	9+	220	1	*
Calshot, (S'thmtn)	1024.9	-6	SW'S	2	0	59	95	5	5	–	–	10	10	450	1	1
Dungeness	*	*	SW	3	0	*	*	3	5	–	*	10	10	1500	*	1
Lympne	1024.6	+2	W	3	dF	58	95	1	6	–	–	10	10	<150	1	*
Shoeburyness	1024.4	0	SW	1	d	59	95	4	5	–	–	10	10	450	1	*
Felixstowe	1023.9	0	SSW	3	c	59	95	6	5	–	–	9+	9+	800	0	1
Gorleston	1022.6	-4	SWW	2	c	60	95	6	8	–	–	9	9	2500	0	2
Cranwell	1020.7	-4	SW	4	c	59	95	8	5	–	1	7.8	7.8	1500	0	*
Cardington	1022.5	-4	SW	3	c	60	95	7	5	–	–	10	10	4000	*	*
Birmingham	1022.1	-4	SSW	3	c	58	95	8	6	–	–	9	9	800	1	*
Upper Heyford	1023.5	-4	SW	2	c/r	58	95	7	5	–	–	9	9	800	1	*
Leafield	1023.1	-4	S'W	2	c	57	95	8	5	–	–	9+	9+	450	1	*
Ross-on-Wye	1023.0	-4	SWW	3	c	59	85	7	5	–	4	7.8	9	2500	0	*
Portland Bill	1024.3	-2	SWW	3	d_0d_0	59	95	6	4	2	–	4.6	10	1500	1	3
Plymouth	1024.0	-2	SSW	1	id_0	57	95	6	5	–	–	10	10	<150	1	1
Falmouth	1022.9	-6	SSW	4	c	56	95	6	5	2	–	4.6	10	4000	0	2
Scilly (St. Mary's)	1023.1	-6	SSW	4	if	56	95	5	5	–	–	9+	9+	2500	1	2
Guernsey	1025.1	-2	–	0	m	59	95	4	8	6	–	7.8	10	1500	1	3
Pembroke	1021.5	-4	SW	3	ir_0	57	95	6	5	–	–	10	10	1500	1	3
Holyhead	1019.3	+4	SW	4	iD	57	95	4	5	–	–	10	10	220	1	2
Chester (Sealand)	1019.9	-6	SSW	3	c	61	85	9	5	–	–	9	9	1500	1	*
L'pool (Bidston)	1019.5	-4	WSW	4	c	59	85	9	8	4	–	7.8	9	2500	0	*
Harrogate	1018.3	-6	SSW	4	id_0	59	95	7	6	4	9	7.8	9	2500	0	*
Spurn Head	1019.8	-4	SWW	4	c	58	95	6	5	1	1	4.6	7.8	4000	0	3
Tynemouth	1014.8	-4	SW	4	bc	60	85	7	2	–	–	4.6	4.6	2500	0	2
Inchkeith	1011.3	-4	SSW	5	c	60	85	8	8	5	4	4.6	7.8	4000	1	3
Leuchars	1010.9	0	SW	5	id_0	60	95	7	6	7	–	9	9+	1500	1	*
Renfrew	1013.0	-4	WSW	4	rr	58	95	6	6	2	–	9	10	800	1	*
Eskdalemuir	1014.3	-4	SSW	6	ir_0	56	95	6	6	–	–	10	10	800	1	*
Tiree	1010.6	+16	SW'W	3	c	55	95	7	5	–	–	9+	9+	1500	1	2
Stornoway	1005.7	0	WSW	4	c	58	95	8	9	–	–	7.8	7.8	2500	1	3
Dalwhinnie	1012.9	-2	SE	1	r	56	65	5	3	3	–	9+	10	220	1	*
Aberdeen	1008.1	0	SW	4	bc	61	85	8	5	–	9	2.3	4.6	4000	1	1
Wick	1004.2	+4	SW	4	c	55	95	8	9	1	8	~~7.8~~ 4.6	9	1500	1	3
Lerwick	1001.6	-16	SW	4	c/p	56	95	7	6	7	–	4.6	9	1500	1	*
Blacksod Point	1013.8	+6	W	3	c	58	95	7	–	2	–	0	10	–	1	3
Malin Head	1012.5	+18	SW'W	3	c	57	95	7	6	3	–	7.8	7.8	800	1	2
Aldergrove	1015.2	0	SSW	4	ir_0	58	95	7	5	–	–	10	10	800	1	*
Donaghadee	1014.8	+2	SSW	2	c	60	85	8	5	2	–	4.6	7.8	1500	0	0
Birr Castle	1016.6	-4	SW	1	c	58	85	8	5	–	–	9+	9+	2500	1	*
Valentia Obsy.†	1017.5	-10	S	4	id	58	95	6	5	–	–	10	10	450	1	3
Roches Point	1019.1	-8	SW	2	0	57	95	6	5	–	–	10	10	800	1	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F. (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 4th Hrs. (36)
London (Kew)	63	59	58	Tr	Tr	0.2
Croydon	63	59	57	Tr	Tr	0.0
S. Farnborough	63	57	53	Tr	Tr	0.8
Winchester	62	56	52	Tr	0.5	0.1
Boscombe Down	64	56	54	Tr	0.2	*
Calshot, (S'thmtn)	62	58	57	Tr	1	0.3
Dungeness	63	58	*	–	Tr	*
Lympne	60	56	56	Tr	Tr	2.8
Shoeburyness	66	57	55	–	Tr	3.6
Felixstowe	65	57	53	–	–	3.0
Gorleston	66	58	55	–	–	0.8
Cranwell	66	56	54	–	Tr	2.1
Cardington	*	*	*	*	*	*
Birmingham	63	56	54	–	Tr	1.3
Upper Heyford	62	58	56	Tr	0.4	*
Leafield	61	56	55	Tr	0.5	1.8
Ross-on-Wye	65	58	55	Tr	–	2.0
Portland Bill	60	58	*	0.2	0.1	*
Plymouth	59	57	56	1	0.2	0.0
Falmouth	62	56	*	0.3	0.3	1.2
Scilly (St. Mary's)	60	55	*	1	0.2	0.0
Guernsey	64	56	48	–	0.2	0.6
Pembroke	64	56	*	–	0.4	0.0
Holyhead	59	57	56	0.3	0.2	0.0
Chester (Sealand)	71	60	56	–	–	2.6
L'pool (Bidston)	65	59	57	–	Tr	0.8
Harrogate	62	59	53	Tr	0.2	1.4
Spurn Head	65	57	*	–	Tr.	5.8
Tynemouth	68	58	53	–	–	*
Inchkeith	58	55	52	–	2	5.2
Leuchars	63	55	49	–	1	6.2
Renfrew	60	58	56	0.1	2	0.9
Eskdalemuir	61	55	55	~~(0.1)~~	5	4.3
Tiree	58	55	56	1	10	0.7
Stornoway	60	53	*	Tr	2	3.3
Dalwhinnie	59	51	48	Tr	8	5.0
Aberdeen	70	54	51	–	–	2.5
Wick	61	53	*	–	0.3	*
Lerwick	54	52	*	3	1	0.0
Blacksod Point	61	56	*	0.3	5	*
Malin Head	61	57	*	1	3	0.9
Aldergrove	64	57	55	0.4	Tr	4.1
Donaghadee	62	59	*	0.5	0.1	*
Birr Castle	66	58	56	0.2	Tr	1.9
Valentia Obsy.†	61	57	57	2	1	0.0
Roches Point	60	57	*	2	2	*

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet	Weather Morning. (24 hrs. ended 9h.)	Weather Afternoon. (24 hrs. ended 9h.)	Weather Night. (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day. mm.	Rainfall Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity 15h. G.M.T. % (Yesterday.)	Humidity 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	cw30b	c30bcm	omr	63	59	58	Tr	Tr	0.2	•	•	7
Croydon	217	cm30	cm0id0	bcmd	63	59	57	Tr	Tr	0.0	•	•	7
Greenwich (Royal Observatory)	149	c	cdc	cpc	65	58	51	Tr	Tr	0.2	84	82	6
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	0.4	•	•	•
Westminster (St. James' Park)	27	•	•	•	63	59	57	–	–	0.1	71	79	•
Regents Pk. (Botanic Gardens)	168	•	•	•	•	•	•	•	•	0.2	•	•	•
Camden Square	110	c	c	•	62	60	58	–	–	•	At 18h. 84	•	•
Kensington	80	c	co	•	64	59	58	–	–	0.1	83	84	•
Hampstead Observatory	450	bcoc	cod	•	61	55	54	Tr	Tr	0.5	•	88	•

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.
0.6	15h-16h 4th	0.0	0h-6h 5th	0.2	19h-4th	<0.1 / –	3h-5h 5th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 4th OCTOBER. Barom. mb.	Wind Direc.	Wind Force	Weather.	Temp. °F.	7h. G.M.T. 5th OCTOBER. 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	1028.3	–	0	b	61	1027.4	E	2	bc	43	68	41	–	–
Brussels	1027.9	SW	2	b	55	1026.4	SSW	2	c	55	64	50	–	–
Berlin	1026.7	WSW	3	c	54	1024.8	SWW	3	b	52	57	50	–	0.1
Zurich						1023.1	N	1	bc	43		41		–
Rome	1021.8	WSW	2	b	68	1026.0	NE	2	b	54	79	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.

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

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

† hr observations are from Valentia W/T station.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 6th October 1931.

No. 25520

OBSERVATIONS at 13h. G.M.T. 5th 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)	Amount Low 0-10 (12)	Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1023.4	-12	WSW	3	c	61	85	7	5	-	-	10	10	2500
	Croydon ...	1023.4	-10	SW/S	4	c/d	61	85	7	5	2	-	7-8	10	800
	S. Farnborough	1023.1	-10	SSW	2	c	62	85	8	5	-	-	10	10	1500
	Winchester ...	1022.8	-16	SW/S	3	c	61	85	8	5	3	-	4-6	10	1500
	Boscombe Down	1023.0	-14	S'W	3	id_0	60	95	7	5	2	-	9+	10	800
	Calshot, S'thmtn	1023.3	-14	S	2	c	62	85	8	5	7	-	4-6	9-	2500
	Dungeness ...	*	*	SW	2	c	*	*	6	5	2	*	7-8	10	2500
	Lympne ...	1023.6	-14	SW/S	3	c	63	85	8	5	2	-	4-6	10	1500
2	Shoeburyness	1023.4	-12	SW	3	c	63	95	7	5	-	-	10	10	2500
	Felixstowe ...	1023.4	-6	S'W	4	c	63	75	7	5	-	-	10	10	2500
	Gorleston ...	1021.9	-8	WSW	2	c	66	85	6	8	-	-	10	10	2500
	Cranwell ...	1021.0	~~-12~~ -4	SW	3	c	62	85	7	5	-	-	10	10	2500
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1021.1	-8	SW	3	o	60	85	8	6	-	-	10	10	800
	Upper Heyford	1022.6	-8	SW	3	id_0	60	85	8	5	-	-	10	10	1500
	Leafield ...	1022.3	-10	SW/S	3	c	59	85	8	6	2	-	7-8	10	1500
4	Ross-on-Wye ...	1021.7	-8	SW/W	4	id_0	61	85	7	5	-	-	10	10	2500
5	Portland Bill...	1022.3	-12	S	3	c	62	95	6	4	6	8	4-6	7-8	2500
	Plymouth ...	1022.2	-14	S	2	c	57	95	6	5	1	-	9+	10	800
	Falmouth ...	1021.6	-6	SSW	3	c	57	95	7	5	2	-	4-6	10	4000
	Scilly (St. Mary's)	1021.5	-12	SSW	3	df	57	95	2	5	-	-	10	10	<150
	Guernsey ...	1022.6	-22	E'S	3	bc	62	85	7	1	1	8	1	4-6	2500
6	Pembroke ...	1020.8	-6	S	3	c	57	95	6	5	-	-	10	10	1500
7	Holyhead ...	1018.8	-2	SW/S	5	id_0	58	95	6	5	-	-	10	10	~~220~~ 450
	Chester (Sealand)	1019.9	-6	SW/S	2	c	63	75	9	5	-	-	9+	9+	1500
8	L'pool (Bidston)	1019.5	0	W'S	3	c	61	85	9	5	-	-	9+	9+	2500
9	Harrogate ...	1018.6	0	SSW	4	c	62	85	6	6	7	-	2-3	9	2500
10	Spurn Head ...	1019.8	0	WSW	4	c	64	75	6	2	3	9	2-3	9	4000
	Tynemouth ...	1015.9	+4	WSW	4	c	64	75	7	4	1	-	4-6	7-8	2500
11	Inchkeith ...	1013.8	+10	SW	4	c/r	59	85	8	8	8	-	4-6	7-8	4000
	Leuchars ...	1013.5	+14	SW	4	c	64	75	9	2	-	6	2-3	7-8	2500
12	Renfrew ...	1015.4	+12	W'S	3	c	60	75	8	5	4	-	9	9+	2500
	Eskdalemuir ...	1015.4	+2	SW/W	6	id_0	56	95	6	5	-	-	10	10	450
13A	Tiree ...	1014.0	+8	SW	4	b	58	75	8	1	4	8	Tr	1	2500
13B	Stornoway ...	1010.5	+10	WSW	6	bc	58	75	8	7	-	-	4-6	4-6	2500
15	Dalwhinnie ...	1013.3	+4	WSW	6	bc	55	65	8	8	1	-	2-3	4-6	2500
	Aberdeen ...	1012.4	+20	WNW	3	bc	63	65	8	7	-	2	2-3	4-6	4000
	Wick ...	1010.1	+20	W	4	bc	60	55	8	2	-	1	4-6	4-6	2500
16	Lerwick ...	1006.1	+22	WSW	3	bc	55	85	7	5	-	-	2-3	2-3	1500
17	Blacksod Point	1014.8	0	W	3	bc	61	85	8	2	8	-	2-3	4-6	2500
18	Malin Head ...	1015.0	+2	W	3	c	58	85	7	8	-	-	9+	9+	1500
	Aldergrove ...	1016.2	-2	SSW	2	dd	58	95	5	5	-	-	10	10	220
	Donaghadee ...	1016.0	-2	S	1	cir_0	61	95	7	6	-	-	9	9	800
19	Birr Castle ...	1016.8	-6	SW	2	c	62	85	8	5	2	-	9	10	1500
20	Valentia Obsy.	1016.8	-10	S	4	dd	59	95	6	5	-	-	10	10	450
	Roches Point...	1018.7	-4	SW	3	d_0d_0	57	95	5	5	-	-	10	10	800

OBSERVATIONS at 18h. G.M.T. 5th 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)	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)	1021.5	-10	SSE	1	c	61	85	5	5	-	-	10	10	2500	1	•
	Croydon	1021.6	-10	SSE	1	c	60	85	5	5	2	1	7-8	9+	4000	1	•
	S. Farnborough	1021.0	-8	S	2	c	61	85	7	5	-	5	7-8	9+	4000	1	•
	Winchester	1021.0	-6	S'W	2	c	57	85	7	5	3	-	4-6	7-8	2500	0	•
	Boscombe Down	1021.1	-8	SSE	3	c	56	95	8	5	-	8	2-3	9	4000	1	•
	Calshot, S'thmtn	1021.0	-10	E	3	bc	59	85	7	-	-	8	0	4-6	-	0	2
	Dungeness	*	*	-	0	c	*	*	6	2	8	*	4-6	7-8	2500	*	0
	Lympne	1021.9	-6	-	0	bc	56	95	8	5	-	8	2-3	4-6	1500	1	*
2	Shoeburyness	1021.7	-10	SSW	1	c	60	95	7	5	-	-	10	10	2500	0	•
	Felixstowe	1022.0	-6	WSW	2	id_0	59	95	7	5	-	-	10	10	1500	1	2
	Gorleston	1021.3	-4	-	0	c	62	85	6	4	-	-	10	10	2500	0	1
	Cranwell	1019.6	-8	SSW	2	c	59	85	6	5	-	-	10	10	2500	0	•
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1019.8	-10	SSW	2	o	59	95	5	6	-	-	10	10	800	0	•
	Upper Heyford	1020.8	-6	-	0	c/d	58	95	6	5	-	-	10	10	800	0	•
	Leafield	1020.3	-8	S	2	c	56	95	7	6	2	-	7-8	10	1500	1	•
4	Ross-on-Wye	1019.8	-14	SSW	2	d_0d_0	59	95	6	6	-	-	10	10	2500	0	•
5	Portland Bill	1020.2	-8	S	2	c/f	58	95	6	5	-	-	10	10	1500	0	2
	Plymouth	1019.9	-8	-	0	c	56	95	7	5	-	-	9+	9+	800	1	1
	Falmouth	1019.0	-6	SSE	3	c	56	95	7	5	4	-	4-6	10	4000	0	1
	Scilly (St. Mary's)	1018.7	-14	S'E	3	c	55	95	6	5	-	-	9+	9+	2500	1	2
	Guernsey	1020.4	-14	E'S	1	bc	58	85	7	-	1	4	0	4-6	-	0	2
6	Pembroke	1018.2	-4	S	3	o/f	56	95	5	5	-	-	10	10	1500	1	3
7	Holyhead	1016.6	-8	SSW	4	id_0	57	95	5	5	-	-	10	10	~~220~~ 450	1	2
	Chester (Sealand)	1018.3	-6	SSE	1	c	62	85	7	5	3	1	7-8	9	1500	1	•
8	L'pool (Bidston)	1017.5	-8	-	0	c	61	85	9	5	-	-	9+	9+	2500	0	
9	Harrogate	1018.1	0	SSW	1	c	59	85	5	6	7	-	7-8	9	2500	0	•
10	Spurn Head	1019.8	-2	SW/W	3	c	59	85	6	4	3	1	4-6	7-8	4000	0	2
	Tynemouth	1016.0	0	SW	3	c	60	85	7	6	-	-	9	9	1500	0	2
11	Inchkeith	1014.2	+4	SW	3	bc	57	95	7	5	4	-	4-6	4-6	2500	0	1
	Leuchars	1014.4	+4	-	0	c	58	85	8	5	-	1	9	9+	5700	0	•
12	Renfrew	1014.9	-2	SW	1	bc	53	85	6	5	-	1	2-3	4-6	4000	1	•
	Eskdalemuir	1015.5	+2	SSW	4	dd	56	95	5	5	-	-	10	10	<150	1	
13A	Tiree	1012.9	-6	S	2	bc	50	95	7	5	6	-	2-3	4-6	1500	0	2
13B	Stornoway	1010.9	+4	SSW	3	bc	53	85	8	7	6	-	4-6	4-6	2500	0	1
15	Dalwhinnie	1013.5	0	-	0	c	50	75	8	1	3	-	9	10	~~<150~~ 4000	0	
	Aberdeen	1013.7	+8	S	2	bc	57	65	6	7	-	-	2-3	2-3	4000	1	0
	Wick	1011.7	+8	SW	2	bc	55	55	8	2	6	-	2-3	4-6	2500	0	2
16	Lerwick	1009.2	+12	SW	1	bc	52	95	7	5	-	1	4-6	4-6	1500	0	•
17	Blacksod Point	1011.6	-28	S	3	cjp	58	95	7	9	-	-	10	10	<150	0	3
18	Malin Head	1013.1	-14	SE	1	c	56	85	7	5	2	-	9	9+	2500	0	2
	Aldergrove	1013.9	-14	S'E	2	c	58	95	8	5	7	-	9	9+	800	1	•
	Donaghadee	1014.5	-6	S	1	c	59	95	7	5	3	-	4-6	7-8	1500	0	0
19	Birr Castle	1013.8	-14	S	1	c	61	95	8	5	3	-	7-8	9+	1500	1	•
20	Valentia Obsy.	1014.0	-14	S	4	c/d	57	95	7	5	-	-	10	10	800	1	3
	Roches Point	1016.0	-10	SW	3	cd	57	95	6	5	-	-	10	10	800	1	3

PAST 24 HOURS. — WEATHER.

District	Stations	7h.–13h. 5th (37)	13h.–18h. 5th (38)	18h. 5th to 1h. 6th (39)	1h.–7h. 6th (40)
1	London (Kew)	cm_0c	cm_0	cm_0 bf w	bfwc Fw
	Croydon	$cd_0m_0d_0d_0$	cd_0z_0	cm_0bw	bcm_0w
	S. Farnborough	cpr_0dc	c	cbw	bwoF
	Winchester	cid_0cm_0c	cbc	cbcb	~~bcFFw~~ bFFw
	Boscombe Down	$ocid_0$	c	c	cFfe
	Calshot, S'thmtn	od_0m_0	cbc	bwm_0bw	bwbwm
	Dungeness	o	bc	*	bc
	Lympne	fod_0c	cbc	bcb	$bccm_0w$
2	Shoeburyness	cid_0m_0c	c	cb	$bbccm_0w$
	Felixstowe	cm_0oz_0	cid_0	cd_0	cw
	Gorleston	cq	cm_0	cbcb	bcce
	Cranwell	cbcc	cm_0	cm_0	coFe
3	Cardington	*	*	*	$bbcm_0$
	Birmingham	c	c	oid_0c	cbc
	Upper Heyford	cd_0	$cr_0d_0d_0$	cbw	bcFfe
	Leafield	cid_0	cid_0	bcbw	bcd_0f
4	Ross-on-Wye	c	cd_0	d_0oc	com
5	Portland Bill	d_0cz_0	$cFfz_0$	cbcw	bccw
	Plymouth	ocd_0fc	bcc	cb	bcc
	Falmouth	c	c	cr_0m_0	cbm_0
	Scilly (St. Mary's)	ifcdo	oifdc	c	c
	Guernsey	omcbc	bcc	bbc	bccow
6	Pembroke	d_0d_0f	ocd_0if	od_0	oid_0
7	Holyhead	did_0m_0o	id_0m_0o	id_0m_0	$iddm_0$
	Chester (Sealand)	coir	oc	c	$bcwcm_0$
8	L'pool (Bidston)	c	co	cvc	c
9	Harrogate	bcc	c	c	c
10	Spurn Head	bc	bo	bcco	cbcw
	Tynemouth	bccq	cq	cbc	bcc
11	Inchkeith	c	cbc	cor_0r_0ir	c
	Leuchars	cid_0bc	bcuc	cbcc	cpr_0c
12	Renfrew	c	$cbcm_0$	cr_0r_0	ccd_0
	Eskdalemuir	oddo	odd_0	odd	oddid
13A	Tiree		bbc	bccrr	orr
13B	Stornoway	cbcw	bc	bbcc	crro
15	Dalwhinnie	bc	bc	cbcb	r
	Aberdeen	bccbc	bcb	bc	bccpr
	Wick	cbc	bc	bcw	$bccr_0r$
16	Lerwick	cir_0bc	bc	bc	$bcod_0d_0$
17	Blacksod Point	c	c	idq	rr
18	Malin Head	cprc	c	pDrdr	cg
	Aldergrove	cid_0dd	ddd_0c	ccdc	ccd
	Donaghadee	cir_0	cir_0c	c	c
19	Birr Castle	cid_0	c	c	crc
20	Valentia Obsy.	$cdr_0r_0d_0c$	$cddocd_0c$	$cidid_0$	$cidirr_0$
	Roches Point	od_0d_0	ocd	oid	oid_0

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220-1100 yds.
F, thick fog, „ less than 220 yds.
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.

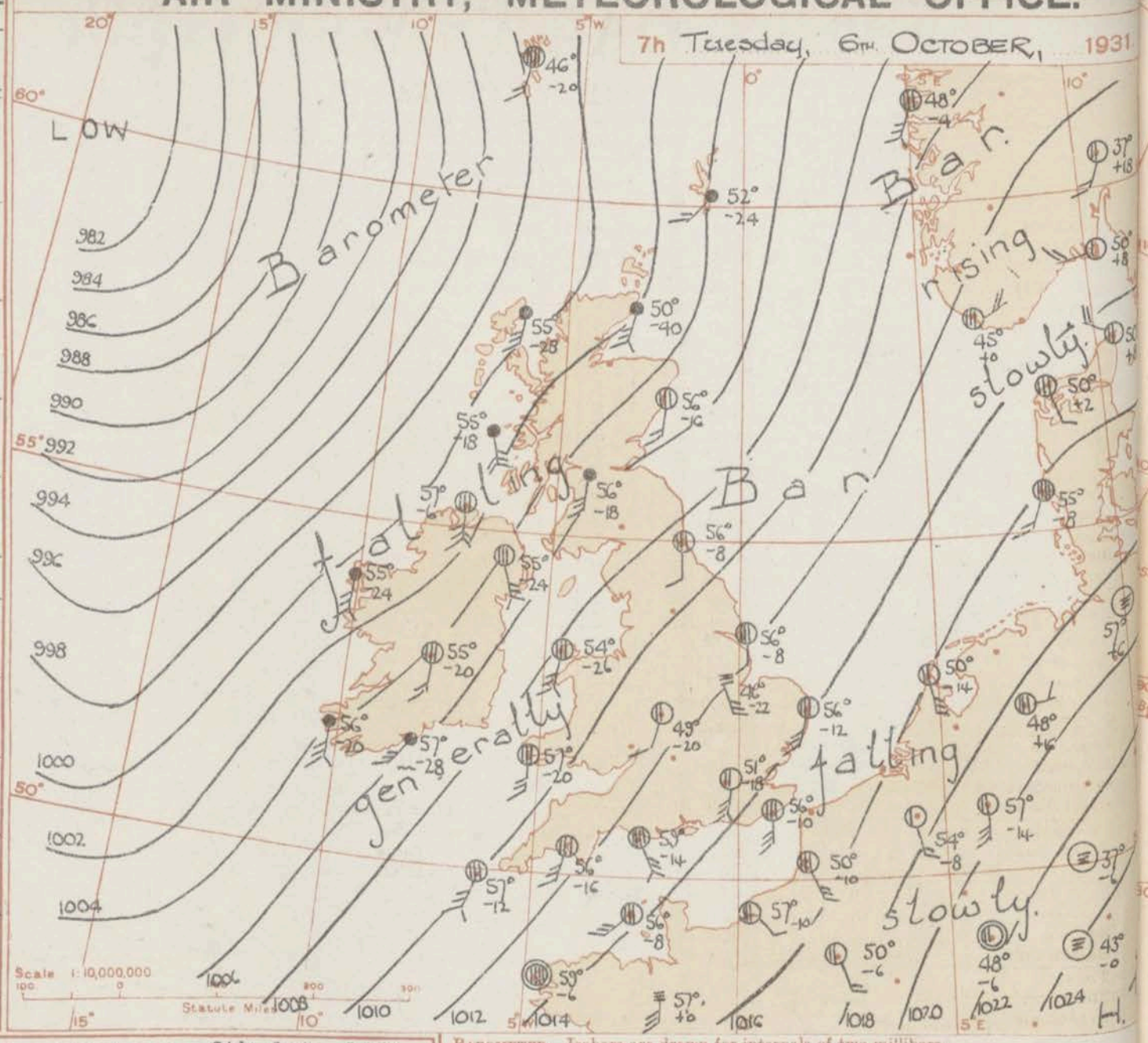
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 5th October 1931.

Districts	Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 4h. to 9h. 5h.	Temperature. Max. 9h.—17h. 5h.	Rainfall. Night 17h. 4h. to 9h. 5h.	Rainfall. Day. 9h.—17h. 5h.	Sunshine. Sunrise to 17h. 5h.	Sunshine. Sunrise to Sunset 4h.
1	Tunbridge W.	oco	ocbc	56	65	Trace	–	0.6	1.2
	Bournemouth	do	oc	57	66	0.3	0.3	2.7	0.0
	Ventnor ...	ordf	cbbe	58	64	4	Trace	4.0	0.2
	Southsea ...	oro	ocbc	59	63	2	0.2	2.6	0.6
	Bognor Regis	oroc	cbcb	58	64	1	Trace	3.1	0.6
	Littlehampton	odc	cbc	58	63	2	Trace	3.2	0.8
	Worthing ...	od	obcc	58	62	1	Trace	2.7	0.7
	Brighton ...	orc	cbc	58	63	3	Trace	3.0	1.7
	Eastbourne†	o	ocbcbc	56	62	3	–	2.8	3.1
	Hastings† ...	omoc	cbcc	58	63	1	–	2.6	3.5
	Folkestone ...	oromc	ocbc	58	64	1	–	1.0	5.0
	Dover... ...	odc	cbc	58	62	1	Trace	0.8	6.5
	Deal	bcb	bcbc	58	68	–	–	3.3	6.3
	Ramsgate ...	bc	c	58	65	–	–	2.1	3.5
	Margate ...	bc	cbc	59	66	Trace	–	1.8	3.3
2	Southend ...	od	co	56	62	1	0.2	0.4	2.2
	Maldon ...	odcb	c	56	68	Trace	–	1.5	2.9
	Clacton-on-Sea	~~3.4~~	c	56	64	–	–	1.2	2.6
	Dovercourt ...	oc	bocd	57	65	–	Trace	0.7	3.1
	Lowestoft ...	cbc	bcc	55	66	–	–	0.5	1.6
	Skegness ...	obco	onm	54	65	–	–	2.0	3.4
	Mablethorpe	co	o	56	63	–	–	1.4	4.4
	Cleethorpes ...	c	c	57	68	–	–	4.1	6.6
3	Leamington S.	co	o	56	67	–	–	0.6	2.5
4	Cheltenham†	co	om	57	62	Trace	–	0.0	0.2
5	Bath	c	cd	59	67	Trace	Trace	0.1	0.0
	Weymouth ...	mc	cb	58	65	0.4	–	4.2	0.0
	Jersey ...	bc	b	57	68	–	–	3.7	1.1
	Torquay ...	cdbo	ocbc	58	64	Trace	–	3.8	1.0
	Penzance ...	cmbc	c	56	60	0.2	–	1.1	0.0
	St. Ives ...	o	o	56	60	0.3	–	0.0	0.8
	Bude	o	oc	58	61	0.2	–	0.0	0.0
	Ilfracombe ...	og	goc	58	62	1	–	0.0	0.0
6	Aberystwyth	cpmr	mc	58	60	1	Trace	0.0	0.6
7	Llandudno ...	c	c	58	61	–	–	0.0	3.1
	Colwyn Bay...	bcc	c	60	62	–	–	0.0	0.7
	Rhyl	c	c	60	64	–	–	0.0	2.4
8	Wallasey ...	c	c	59	62	–	–	0.0	1.2
	Southport‖ ...	o	oco	58	60	0.1	–	0.0	0.3
	Blackpool ...	c	c	58	62	0.2	–	0.0	0.1
	Morecambe ...	rclc	c	57	59	4.1	Trace	0.0	0.0
9	Ilkley... ...	c	o	58	62	Trace	–	0.6	1.3
10	Berwick-on-T.	bc	PRo	57	66	–	1	1.4	9.2
11	Dunbar ...	bcc	bcpc	55	64	Trace	0.3	3.0	8.1
12	Douglas ...	odm	orm	56	58	Trace		0.0	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. 6th Oct., 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Moderate or fresh southerly winds; mainly fair; mild; fog locally at night and in the early morning.
4. W. Midlands 5. S.W. England 6. South Wales	Fresh southerly winds, strong locally; mainly cloudy; mild; fog locally at night and in the early morning.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Moderate or fresh southerly winds; cloudy; rain or drizzle at times; mild.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Fresh southerly winds, strong locally; cloudy, some rain; mild.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Fresh or strong southerly or southwesterly winds; cloudy, some rain; mild.

GENERAL INFERENCE.

A large depression centred south of Iceland will move east-north-east and cause unsettled conditions generally over the British Isles except in East Anglia, South-western and Southeastern England where weather is expected to be mainly fair.

FURTHER OUTLOOK.

Unsettled in the West and North: doubtful in the Southeast.

Time of issue of Gale Warning.

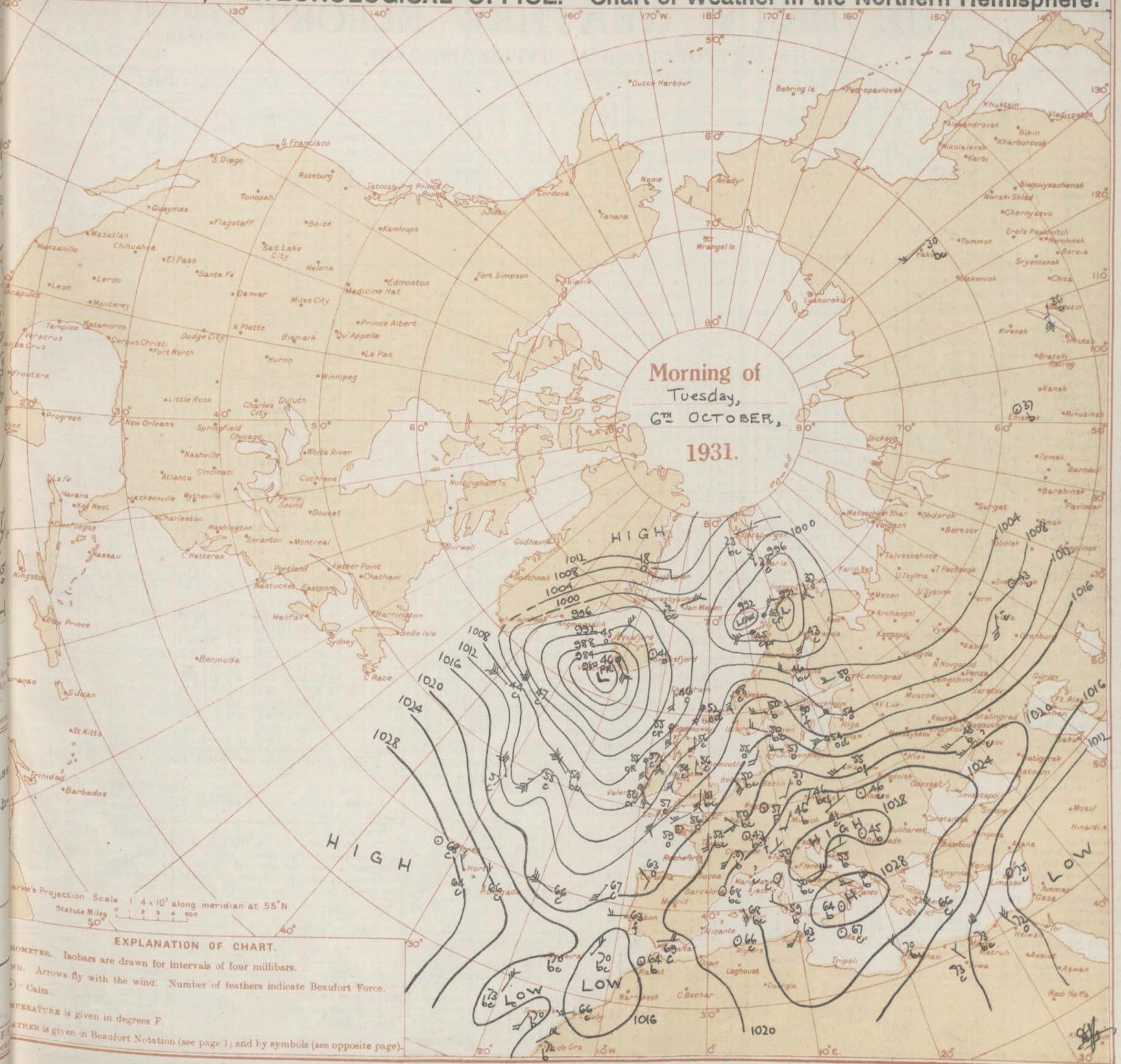
▼ South Cone at 1905 on 5th in 13A, 13B, 15, 16 and 17.

Forecasts issued at 0900 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.

ROMETER. Isobars are drawn for intervals of four millibars.

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

⊘ - Calm.

MPERATURE is given in degrees F.

ATHER 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, 6th. OCTOBER 1931.

No. 25520

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1017.8	-18	SSE	1	b	47	95	5	-	-	1	0	1	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1017.3	-20	E'S	3	b	55	95	7	-	-	1	0	Tr.	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1018.0	-14	SE	3	b	56	85	7	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1018.6	-12	SSW	2	b	55	95	6	-	-	1	0	1	-
	Cranwell ...	240	1016.5	-16	S'E	3	c	57	95	6	5	-	-	10	10	2500
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1015.4	-22	ESE	3	bc	58	95	8	4	6	-	2-3	4-6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1015.8	-14	S'E	3	ir_0	55	95	6	8	-	-	10	10	4000
	Scilly (St. Mary's)	163	1014.3	-20	S	4	c	57	95	7	5	-	-	7-8	7-8	2500
	Guernsey ...	175	1017.2	-20	-	0	bc	57	95	7	-	1	-	0	4-6	-
6	Pembroke ...	142	1013.6	-20	SSW	4	c	56	95	8	8	7	-	7-8	10	1500
7	Holyhead ...	26	1013.0	-18	SSW	5	id_0	56	95	6	5	-	-	10	10	~~900~~ 450
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1016.0	-8	SW'S	3	c	57	95	7	3	2	-	4-6	10	1500
	Tynemouth ...	67	1013.3	-18	SSE	2	bc	55	95	7	5	-	-	2-3	2-3	1500
11	Inchkeith ...	190	1011.3	-18	SW	1	c	57	95	8	5	-	-	9+	9+	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1005.8	-28	S	5	c	53	95	7	5	7	-	7-8	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37		*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1009.5	-20	SSW	2	bc	48	95	8	5	-	5	2-3	4-6	4000
16	Lerwick ...	54	1009.6	-8	SW	2	bc	50	95	7	5	-	1	1	2-3	2500
17	Blacksod Point	18	1005.6	-30	SW	8	DD	57	95	6	6	-	-	10	10	<150
18	Malin Head ...	52	1005.9	-34	S	4	c/d	59	95	7	6	1	-	4-6	10	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1009.0	-26	SSW	4	id_0	58	95	7	5	-	-	10	10	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1012.8	-22	NE	1	cF	45	95	1	-	-	2	0	9	-	1	*
Croydon	1013.3	-18	S	4	bc	51	95	6	-	-	2	0	4-6	-	1	*
S. Farnborough	1012.7	-18	SE	2	F	49	95	1	5	-	-	10	10	<150	1	*
Winchester	1012.8	-20	-	0	bF	43	95	1	-	-	1	0	1	-	1	*
Boscombe Down	1012.5	-18	ESE	2	F	50	95	1	5	-	-	10	10	<150	1	*
Calshot, (S'thmtn)	1013.4	-20	ENE	2	bc	55	95	4	-	4	6	0	4-6	-	1	1
Dungeness	*	*	S	2	c	*	*	6	5	7	*	4-6	7-8	2500	*	0
Lympne	1014.4	-10	S'E	3	c	56	95	6	-	-	7	0	10	-	1	*
Shoeburyness	1013.6	-24	S'E	2	c	54	95	6	-	7	6	0	7-8	-	1	*
Felixstowe	1013.9	-20	SSE	3	c	57	95	7	-	-	2	0	7-8	-	0	1
Gorleston	1013.8	-12	S'W	3	c	56	95	5	-	-	7	0	7-8	-	0	2
Cranwell	1012.1	-22	SE'S	3	F-	46	95	1	5	-	-	10	10	<150	0	*
Cardington	1012.4	-16	S	2	bc	47	95	6	5	-	2	2-3	4-6	5700	*	*
Birmingham	1011.4	-20	SSW	1	bc	49	95	6	-	3	1	0	2-3	-	0	*
Upper Heyford	1012.5	-22	-	0	bcF-	47	94	2	-	3	4	0	4-6	-	0	*
Leafield	1011.9	-20	SE'S	3	OF	46	95	1	5	-	-	10	10	<150	1	*
Ross-on-Wye	1011.6	-20	S	2	o	52	95	4	5	-	-	10	10	450	0	*
Portland Bill	1011.5	-14	SE'E	4	c	59	95	7	5	-	-	10	10	1500	1	3
Plymouth	1011.8	-16	SSW	3	c	56	95	7	5	-	-	9+	9+	1500	1	1
Falmouth	1011.6	-8	SSW	4	c	57	95	7	5	2	-	4-6	10	4000	0	2
Scilly (St. Mary's)	1010.7	-12	SW'S	4	c	57	95	7	5	-	-	9	9	2500	0	2
Guernsey	1013.7	-8	WSW	3	o	58	95	7	5	-	-	10	10	2500	0	3
Pembroke	1009.2	-28	S	3	c	57 (6)	85	8	5	-	·	10	10	1500	1	3
Holyhead	1008.5	-26	S'W	4	c/d	5[illegible]	95	6	6	3	-	7-8	9+	800	1	2
Chester (Sealand)	1010.0	-18	SSE	2	c	52	95	6	5	-	-	9	9	1500	1	*
L'pool (Bidston)	1009.3	-14	S'E	3	c	52	95	7	5	7	-	4-6	9	1500	0	*
Harrogate	1010.1	-20	SSE	1	c	53	95	5	5	3	-	7-8	9	2500	0	*
Spurn Head	1011.6	-10	SSW	4	bc	53	95	7	5	1	8	1	4-6	2500	0	3
Tynemouth	1008.7	-8	S	1	c	56	95	6	6	-	-	7-8	7-8	1500	0	2
Inchkeith	1007.2	-14	SW	2	c	57	85	8	4	7	-	4-6	9	2500	0	2
Leuchars	1006.9	-18	SW	3	c/pr	57	85	8	5	7	-	7-8	9+	2500	0	*
Renfrew	1005.8	-18	SSW	3	id_0	56	85	7	5	-	-	10	10	800	1	*
Eskdalemuir	1007.7	-26	S'W	4	id_0	53	95	6	5	-	-	10	10	1500	1	*
Tiree	1000.2	-18	SSE	5	r_0r_0	55	95	7	6	2	-	7-8	10	1500	[illegible]	3
Stornoway	998.2	-28	S	3	rr	55	95	7	5	2	·	7-8	10	1500	1	2
Dalwhinnie	1004.9	-6	SE	2	c	53	85	6	6	3	-	9+	10	450	1	*
Aberdeen	1005.6	-16	S	2	c	56	85	7	5	-	-	9+	9+	1500	1	1
Wick	1001.8	-40	SSW	4	r_0r_0	52	95	8	8	2	5	4-6	9	1500	1	3
Lerwick	1004.7	-24	SW	2	d_0d_0	52	95	6	5	-	·	10	10	1500	1	*
Blacksod Point	1001.1	-24	S	4	RR	55	95	7	6	-	·	10	10	<150	2	3
Malin Head	1000.8	-26	S	5	c	57	85	7	6	1	-	7-8	9+	800	0	2
Aldergrove	1004.6	-24	SSE	4	c	58	95	8	5	1	8	7-8	9+	800	1	*
Donaghadee	1005.7	-14	SSW	2	c	56	95	7	5	2	-	4-6	9	1500	0	1
Birr Castle	1004.5	-20	S	2	c	55	95	8 (7)	5	·	8	7-8	9+	2500	1	*
Valentia Obsy.†	1004.4	-20	S'E	4	ir	56	95	8 (7)	6	-	-	10	10	~~800~~	1	3
Roches Point	1006.3	-28	SW	3	id_0	57	95	6	5	-	-	10	10	1500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 5th Hrs. (36)
London (Kew)	63	44	38	-	-	0.9
Croydon	63	47	40	Tr.	Tr	0.4
S. Farnborough	62	44	33	Tr.	Tr	0.4
Winchester	64	41	36	Tr.	-	0.3
Boscombe Down	62	47	39	Tr.	0.2	*
Calshot, (S'thmtn)	64	54	49	0.6	0.2	2.4
Dungeness	64	56	*	-	-	*
Lympne	64	52	44	0.1	Tr	1.5
Shoeburyness	65	42	34	0.3	-	0.7
Felixstowe	65	52	35	Tr.	Tr	0.8
Gorleston	66	54	47	-	Tr	0.5
Cranwell	63	43	39	-	-	0.6
Cardington	*	*	*	*	*	*
Birmingham	60	48	37	-	Tr	0.0
Upper Heyford	61	45	36	Tr.	Tr	*
Leafield	60	45	38	0.1	0.2	0.0
Ross-on-Wye	62	50	41	Tr.	Tr	0.1
Portland Bill	63	57	*	Tr.	-	*
Plymouth	59	51	48	Tr.	-	0.2
Falmouth	58	55	*	-	Tr	0.0
Scilly (St. Mary's)	58	56	*	Tr.	-	0.4
Guernsey	63	53	47	-	-	6.4
Pembroke	58	55 (55)	*	0.4	Tr	0.0
Holyhead	59	~~(54)~~	54	0.3	0.5	0.0
Chester (Sealand)	65	52	49	Tr.	-	0.0
L'pool (Bidston)	61	52	51	-	-	0.0
Harrogate	63	53	49	-	-	2.5
Spurn Head	66	53	*	-	Tr	2.2
Tynemouth	(64)	55	49	-	-	*
Inchkeith	61	54	52	-	2	1.2
Leuchars	65	51	44	0.1	Tr	5.6
Renfrew	61	51	41	1	1	2.0
Eskdalemuir	57	52	52	3	5	0.0
Tiree	59	54	41	-	12	8.0
Stornoway	59	50	*	0.1	10	7
Dalwhinnie	(55)	47	42	-	2	2.5
Aberdeen	69	48	43	-	0.3	6.7
Wick	60	43	*	-	1	*
Lerwick	57	50	*	Tr.	Tr	5.7
Blacksod Point	61	54	*	-	26	*
Malin Head	59	55	*	1	6	0.4
Aldergrove	59	54	50	1	0.5	0.0
Donaghadee	61	55	*	0.4	-	*
Birr Castle	63	55	53	Tr.	0.2	0.0
Valentia Obsy.†	60	55	54	1	3	0.0
Roches Point	58	56	*	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. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h. (To-day)
Kew	18	cm_0c	cm_0	cbfFw	63	44	38	-	-	0.9	·	·	3
Croydon	217	$cd_0m_0d_0d$	cd_0z_0	cm_0bmw	63	47	40	Tr	Tr	0.4	·	·	6
Greenwich (Royal Observatory)	149	c	cp_0c	·	66	44	31	Tr	Tr	1.0	81	95	5
City (Bunhill Row)	—	·	·	·	·	·	·	·	·	1.4	·	·	·
Westminster (St. James' Park)	27	·	·	·	64	49	45	·	·	1.4	77	87	·
Regents Pk. (Botanic Gardens)	168	·	·	·	·	·	·	·	·	1.6	·	·	·
Camden Square	110	c	c	·	63	47	44	-	-	·	At 18h.	97	·
Kensington	80	co	co	·	65	47	39	-	-	1.2	77	91	·
Hampstead Observatory	450	bcop	bcm	·	62	47	40	Tr	Tr	1.6		96	·

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

SOUTH KENSINGTON.

Max.	Time.	Min.	Time.
1.0	23h 5th	<0.3	12h-15h 5th

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
0.2	7h 6th	0.1	11h 5th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 5th October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 6th October 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	1022.1	-	0	bc	63	1017.7	SE	2	bc	50	73	45	-	-
Brussels	1023.2	SSW	1	bc	57	1016.8	SSE	2	b	54	68	50	-	-
Berlin	1023.1	SW'W	3	c	59	1021.3	SW	1	c	57	61	57	-	-
Zürich	1027.0	SE	1	b	57	1028.4	E	1	F	46	70	43	-	-
Rome	1027.4	WSW	3	b	64	1027.9	E	2	bc	50	79	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.

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 7th October 1931.

No. 25521

OBSERVATIONS at 13h. G.M.T. 6th 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)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	1010·0	-24	SW	4	c	63	85	7	5	7	8	4·6	9+	4000
	Croydon	1010·3	-18	SSW	4	c	63	85	6	5	7	8	4·6	9+	1500
	S. Farnborough	1010·4	-12	SSW	3	pr.	60	85	7	5	-	-	9+	9+	1500
	Winchester	1010·3	-12	SW	3	ir.	59	85	7	5	2	-	9	10	1500
	Boscombe Down	1010·8	-12	SW	3	pr.	58	95	7	5	-	-	10	10	800
	Calshot, S'thmtn	1012·1	-10	SW	4	c	60	85	7	5	1	-	7·8	9+	1500
	Dungeness	*	*	SW	3	c	*	*	6	8	-	*	10	10	1500
	Lympne	1011·7	-14	SW	4	c	60	95	6	5	-	-	10	10	800
2	Shoeburyness	1010·2	-22	SW	4	c	66	85	6	-	-	6	0	7·8	-
	Felixstowe	1010·4	-22	SSE	2	c	64	75	7	-	-	6	0	7·8	-
	Gorleston	1009·7	-20	SSW	4	bc	63	85	6	-	-	8	0	4·6	-
	Cranwell	1008·0	-20	SW	4	c	61	85	6	8	1	-	9	10	1500
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1008·7	-16	SW	3	c	54	95	5	6	2	-	9	10	800
	Upper Heyford	1009·4	-18	SSW	3	c	59	85	6	5	-	-	10	10	800
	Leafield	1009·2	-14	SW	4	c	58	85	8	5	2	-	4·6	10	2500
4	Ross-on-Wye	1008·5	-16	SW	4	c	58	85	7	5	-	-	10	10	2500
5	Portland Bill	1010·4	-8	SW	4	ir	59	95	6	4	-	-	10	10	1500
	Plymouth	1010·1	-12	SW	4	c	59	95	7	5	-	-	10	10	1500
	Falmouth	1008·8	-8	SSW	5	c	59	95	7	5	2	-	4·6	10	4000
	Scilly (St. Mary's)	1008·7	-16	SW	4	c	60	85	7	5	6	-	7·8	9	4000
	Guernsey	1012·7	-8	SSE	3	co	58	95	7	5	-	-	10	10	1500
6	Pembroke	1006·6	-18	SSW	4	rr	58	95	7	5	-	-	9+	9+	2500
7	Holyhead	1006·2	-12	SSW	4	ir.	58	95	6	6	-	-	10	10	800
	Chester (Sealand)	1006·1	-24	SE	3	c/r	59	75	6	5	3	-	7·8	9+	2500
8	L'pool (Bidston)	1005·8	-24	SSW	3	c	58	75	7	5	7	-	7·8	10	1500
9	Harrogate	1006·1	-20	SW	3	pr.	58	75	5	6	7	-	4·6	9	2500
10	Spurn Head	1006·9	-12	SW	3	c	63	75	6	5	3	1	4·6	7·8	2500
	Tynemouth	1003·8	-20	SW	3	bc	62	75	6	2	6	-	4·6	4·6	2500
11	Inchkeith	1003·1	-12	SW	3	c	59	85	8	8	-	-	9+	9+	2500
	Leuchars	1002·0	-26	SSW	3	c/d	59	85	7	5	1	-	9	10	1500
12	Renfrew	1001·9	-20	SW	3	ir.	58	85	6	6	1	-	9	10	1500
	Eskdalemuir	1003·0	-26	SSW	5	d.d.	53	95	6	5	-	-	10	10	450
13a	Tiree	998·0	-14	SW	4	r.r.	56	95	6	6	7	-	4·6	10	1500
13b	Stornoway	995·5	-8	SSW	3	r.r.	55	95	7	9	2	-	4·6	10	1500
15	Dalwhinnie	1001·5	-6	SE	2	r	56	85	6	6	4	-	4·6	7·8	450
	Aberdeen	1001·4	-20	S	3	c	57	85	6	5	-	-	10	10	2500
	Wick	997·8	-20	SSW	3	c	55	85	8	8	2	1	7·8	10	1500
16	Lerwick	999·3	-36	SSW	2	c	53	95	6	5	-	-	10	10	800
17	Blacksod Point	1000·0	-4	WS	4	c	57	85	7	5	-	-	9+	9+	1500
18	Malin Head	998·7	-16	SSW	3	c/r	56	95	7	6	1	-	7·8	9+	1500
	Aldergrove	1000·9	-20	SE	4	rr	56	95	6	6	2	-	9	10	800
	Donaghadee	1001·6	-14	SSW	2	ir.	56	95	7	6	-	-	9	9	800
19	Birr Castle	1001·3	-18	SSW	2	rr	58	95	7	6	-	-	10	10	1500
20	Valentia Obsy.	1003·8	-6	SW	4	c/pr	56	95	8	6	7	7	9+	9+	1500
	Roches Point	1003·6	-24	SW	3	rr	58	95	7	6	-	-	10	10	1500

OBSERVATIONS at 18h. G.M.T. 6th 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)	Form. Med. (24)	Form. High (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1009·0	-8	SSW	2	o/r	59	85	6	6	-	-	10	10	800	1	*
	Croydon	1009·3	-8	SSW	4	ir.	58	95	6	6	-	-	10	10	800	1	*
	S. Farnborough	1008·7	-8	SWS	3	pr.	58	95	7	5	3	-	9+	10	800	1	*
	Winchester	1009·0	-6	SSW	3	ir.	57	95	7	5	2	-	9	10	800	1	*
	Boscombe Down	1008·6	-6	SSW	4	o	57	95	7	5	-	-	10	10	800	1	*
	Calshot, S'thmtn	1010·1	-8	SWS	4	ir.	59	85	7	6	7	-	7·8	9+	1500	1	2
	Dungeness	*	*	SSW	3	c/pr	*	*	6	8	-	*	10	10	1500	*	2
	Lympne	1010·6	-8	SWW	2	c	57	95	6	5	-	-	9+	9+	2500	0	*
2	Shoeburyness	1009·2	-2	SWS	4	ir	59	95	7	6	-	-	10	10	1500	1	*
	Felixstowe	1009·3	0	SW	4	c/r	59	85	6	5	7	-	7·8	10	4000	1	3
	Gorleston	1007·2	-2	SW	3	c	62	95	6	5	-	-	9+	9+	2500	0	3
	Cranwell	1006·0	-14	SW	3	c	57	95	6	5	-	-	10	10	2500	1	*
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1006·1	-10	SSW	4	c	56	85	7	6	7	-	7·8	9+	1500	0	*
	Upper Heyford	1007·5	-6	SW	4	c	57	85	7	5	-	-	9+	9+	1500	0	*
	Leafield	1007·0	-8	SW	4	c	56	85	8	5	7	-	9+	10	1500	0	*
4	Ross-on-Wye	1006·2	-6	SWS	3	c	58	85	7	5	-	-	10	10	2500	0	*
5	Portland Bill	1008·8	-6	SWS	4	cd.	59	85	7	4	-	-	10	10	1500	1	4
	Plymouth	1007·5	-14	SSW	5	ir.	58	95	6	6	2	-	9	10	800	1	2
	Falmouth	1006·2	-6	SWS	6	ir.	58	95	7	6	2	-	7·8	10	2500	1	3
	Scilly (St. Mary's)	1005·9	-16	SSW	5	rr	58	95	6	6	-	-	10	10	2500	1	3
	Guernsey	1010·5	-10	SSW	2	co	60	95	6	5	-	-	10	10	1500	1	3
6	Pembroke	1003·4	-18	SSW	4	rr	57	95	5	9	-	-	10	10	1500	1	4
7	Holyhead	1002·7	-22	SSW	5	r.r.	57	95	6	6	-	-	10	10	800	1	2
	Chester (Sealand)	1003·0	-16	SSE	3	c	58	85	6	5	2	-	7·8	10	2500	1	*
8	L'pool (Bidston)	1002·8	-16	SSW	3	ir	58	85	8	9	-	-	10	10	1500	0	
9	Harrogate	1003·8	-14	S	1	c/r	55	95	5	6	7	-	9	9+	2500	1	*
10	Spurn Head	1005·1	-2	SW	4	c/pr	57	85	6	5	3	-	2·3	10	2500	0	2
	Tynemouth	1001·1	-8	SW	3	o	59	75	6	6	-	-	10	10	1500	0	2
11	Inchkeith	998·7	-10	SW	4	ir.	57	85	7	8	2	-	4·6	10	2500	1	2
	Leuchars	998·6	-14	SSW	4	c	57	85	7	6	1	8	7·8	9+	1500	1	*
12	Renfrew	999·1	-10	SW	1	r.r.	53	95	7	6	2	-	7·8	10	1500	1	*
	Eskdalemuir	999·4	-16	SSW	6	ir.	54	95	6	5	2	-	7·8	10	800	1	*
13a	Tiree	996·8	-2	SWS	3	cjp	53	95	6	8	9	8	2·3	7·8	2500	1	3
13b	Stornoway	993·5	-6	SSW	2	c/pr	53	95	8	8	4	-	2·3	7·8	2500	1	2
15	Dalwhinnie	994·4	-6	SE	2	r	52	75	6	6	-	-	9+	9+	800	1	*
	Aberdeen	997·6	-16	SSW	3	c	56	85	6	5	2	-	4·6	10	2500	1	1
	Wick	995·1	-14	SSW	3	ir.	55	95	8	9	2	-	7·8	10	1500	1	3
16	Lerwick	995·9	-24	SSW	1	c/r	53	95	6	5	-	-	10	10	800	1	*
17	Blacksod Point	1000·8	+4	W	7	bcq	54	75	8	9	-	7	4·8	4·6	800	0	5
18	Malin Head	997·9	-2	WSW	4	cjp	54	85	8	8	-	-	7·8	7·8	1500	1	3
	Aldergrove	999·9	+2	SWW	2	c/r	53	95	8	5	2	-	7·8	9+	800	1	*
	Donaghadee	999·4	-2	SW	2	ir.	54	95	7	6	-	-	9	9	800	1	1
19	Birr Castle	1001·7	+4	WSW	1	c	54	95	8	6	-	8	7·8	10	1500	1	*
20	Valentia Obsy.	1004·5	+6	WN	4	bc	55	75	8	8	-	2	2·3	4·6	2500	1	3
	Roches Point	1003·1	+4	W	3	c	56	95	7	3	-	-	7·8	7·8	1500	1	4

PAST 24 HOURS.

District	Stations	Weather. 7h.–13h. 6th (37)	13h.–18h. 6th (38)	18h. 6th to 1h. 7th (39)	1h.–7h. 7th (40)
1	London (Kew)	bcFwc	cr.cm.	cm.	crrm.
	Croydon	bccm.	cr.m.	cm.r.r.	cokrm.
	S. Farnborough	oFbfcp.	cpr.c	cp.or	okrrc
	Winchester	bffcpr.	c'mir.	crcrr	crrc
	Boscombe Down	oFfc	cir.c	crr	crr
	Calshot, S'thmtn	bcm.or.	cir.	cr.qor	orrbcpr
	Dungeness	o	d	*	p
	Lympne	cm.	cpr.cm.	opr.m.	ckrrm.
2	Shoeburyness	cbcm.	cm.cir.	cr.c	ccrcir.
	Felixstowe	cwcbc	bccrr3.	cir.3.c	cirrq
	Gorleston	cbc3.	bcc3.	coirq	oir.r.r.
	Cranwell	offbcc	prir.c	cir.	r.r.r
3	Cardington	*	*	*	orrqccr
	Birmingham	cfm	cpr.	corr	orrbc
	Upper Heyford	d.d.fm.	cp.r.	curr	crrir
	Leafield	FFc	c	cr.or	orrbc
4	Ross-on-Wye	dmcoc	od.c	codrr	r.cb
5	Portland Bill	cir3.	cirid.	cirRR3.	krrcbc
	Plymouth	cm.	cir.m.	corr	obpr.
	Falmouth	c	cr.	orir	cr.bc
	Scilly (St. Mary's)	c	cir.	orrir	cb cq
	Guernsey	ocr	ocr	oir	orcbc
6	Pembroke	om.p.	orr	orr	orrc
7	Holyhead	cd.m.qo	r.r.m.o	rrr.r	cbc
	Chester (Sealand)	cm.	3.c	rrcr.r.	r.eprbc
8	L'pool (Bidston)	cp.c	cir	oR	orcb
9	Harrogate	bccp.	cir.	crrir	crcbc
10	Spurn Head	bcc	cpr.	cpr	cprc
	Tynemouth	cbc	bco	oir	o.r.r.
11	Inchkeith	c	cir3	orr	rrcbc
	Leuchars	cid.	cir.	cr.r.r.	cr.bcb
12	Renfrew	cd.c	cr.r.m.	cr.r.	cbc
	Eskdalemuir	od.odd	odcr.	crrir	cr.bc
13a	Tiree	rRr.	iRr.	bc	cpr
13b	Stornoway	owr	cpr.	bcc	cpr.
15	Dalwhinnie	r	r	.	r
	Aberdeen	c3.c	circ	cm.r.r	orbcb
	Wick	cr.rc	cir.c	c	cbc
16	Lerwick	od.d.c	cir.	or.r.	or.r.
17	Blacksod Point	ir	prcq	prcq	prcq
18	Malin Head	cr.r.	circ	cp.bc	bccpr
	Aldergrove	cir.rr	cRrr	cbc	bcc
	Donaghadee	cir.	cir.	circ	cbcbw
19	Birr Castle	cor.rr	oRrc	cbc	bcb
20	Valentia Obsy.	crrr.Pc	cpr.cbc	bccpc	cpcphqc
	Roches Point	d.orr	orc	cbc	bcw

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, 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.
ka, 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.

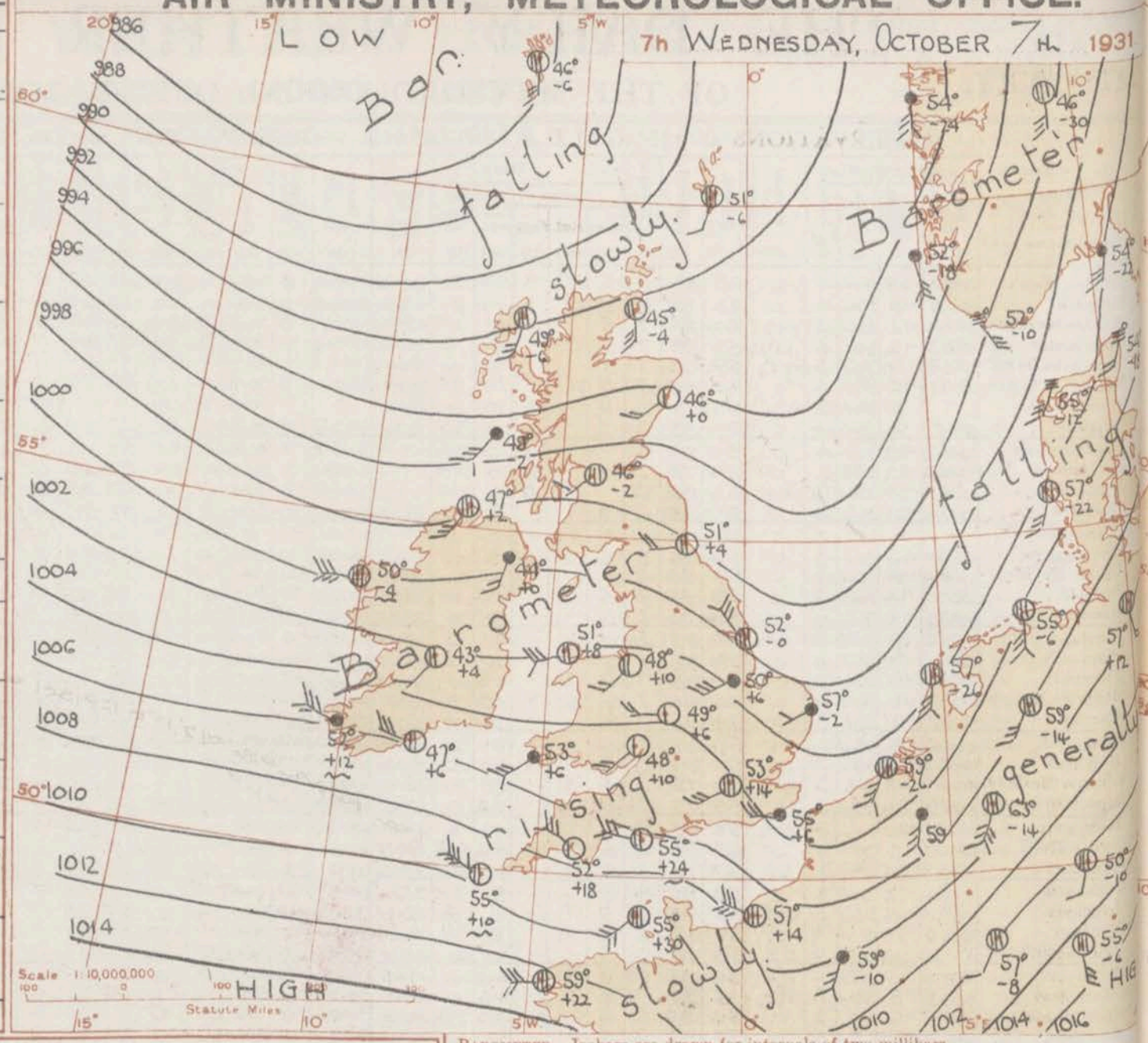
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 6th October 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 5th to 9h. 6th	Temperature. Max. 9h.—17h. 6th	Rainfall. Night, 17h. 5th to 9h. 6th	Rainfall. Day. 9h.—17h. 6th	Sunshine. Sunrise to 17h. 6th	Sunshine. *Sunrise to Sunset. 5th
1	Tunbridge W.	bcc	op	46	64	-	0.3	1.7	0.6
	Bournemouth	o	od	43	60	-	0.5	0.0	2.7
	Ventnor ...	bcouc	copos	56	60	-	trace	1.2	4.1
	Southsea ...	bco	co	52	60	-	-	1.7	2.6
	Bognor Regis	bcbr	bcrrp	50	62	-	1	3.1	3.1
	Littlehampton	bc	bccr	48	62	-	0.1	2.5	3.2
	Worthing ...	bcc	cor	50	64	-	0.3	2.5	2.7
	Brighton ...	cbc	cp	54	63	-	0.2	2.4	3.0
	Eastbourne†	oc	coirr	48	63	-	0.5	2.4	2.8
	Hastings† ...	cbccc	ocopr	55	63	-	0.1	1.2	2.6
	Folkestone ...	wbcc	corc	50	65	-	trace	3.5	1.0
	Dover... ...	bc	bcc	48	63	-	-	4.6	0.8
	Deal	b	bcco	51	66	-	-	4.0	3.3
	Ramsgate ...	bc	c	56	65	-	-	3.9	2.1
	Margate ...	bc	bcpc	55	67	-	trace	4.2	1.8
2	Southend ...	bcc	cro	54	63	trace	trace	3.2	0.4
	Maldon ...	cbc	bcc	42	69	-	-	2.4	1.5
	Clacton-on-Sea	bc	bcco	55	64	-	-	4.1	1.2
	Dovercourt ...	bc	bccor	52	66	-	0.1	4.0	0.7
	Lowestoft ...	b	bbcc	55	66	-	-	6.9	0.5
	Skegness ...	b	bco	54	66	trace	-	6.4	2.0
	Mablethorpe	bbc	c	50	66	-	-	5.1	1.4
	Cleethorpes ...	bc	coir	50	66	-	trace	4.9	4.1
3	Leamington S.	c	cp	46	60	-	trace	0.3	0.6
4	Cheltenham†	owmc	com	49	60	-	-	0.3	0.0
5	Bath	cr	cr	46	61	-	trace	0.3	0.1
	Weymouth ...	cpc	cpcp	49	61	-	0.2	0.4	4.2
	Jersey ...	pc	pc	57	61	0.6	0.5	0.3	3.7
	Torquay ...	oemz	ocop	51	63	-	trace	0.2	3.8
	Penzance ...	c	cor	56	62	-	1	0.0	1.1
	St. Ives ...	c	or	56	61	trace	0.3	0.3	0.0
	Bude	oc	odr	53	61	0.2	0.2	0.0	0.0
	Ilfracombe ...	og	oger	54	62	-	0.2	0.0	0.0
6	Aberystwyth	c	crm	56	59	-	1	0.0	0.0
7	Llandudno ...	c	cir	56	61	-	0.1	0.3	0.0
	Colwyn Bay...	cbcc	cor	55	62	-	0.3	0.4	0.0
	Rhyl	c	c	56	61	-	-	0.0	0.0
8	Wallasey ...	bccr	cr	53	61	-	trace	0.0	0.0
	Southport‖ ...	oco	ordr	53	60	-	1	0.1	0.0
	Blackpool ...	oc	or	54	59	-	0.5	0.0	0.0
	Morecambe ...	dbco	rdorc	54	58	trace	1	0.0	0.0
9	Ilkley... ...	bcc	circ	49	60	-	trace	1.8	0.6
10	Berwick-on-T.	o	o	55	59	0.2	-	0.0	1.4
11	Dunbar ...	bcR	bcR	56	60	1	-	1.0	3.0
12	Douglas ...	orm	orm	54	56	1	1	0.0	0.0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



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. 7th Oct., 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Moderate or fresh westerly winds; bright intervals, occasional showers; moderate temperature.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Fresh westerly winds, squally at times at first, tending to back later; bright intervals, occasional showers; moderate temperature.
10. N.E. England 11. S.E. Scotland	As 1 - 3.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland	As 4 - 9.
15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate or fresh southwesterly to westerly winds; bright intervals, occasional showers; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Fresh westerly winds, squally at times, backing; bright intervals, occasional showers, at first, mainly fair later; moderate temperature, rising tomorrow.

GENERAL INFERENCE.

A depression centred southeast of Iceland is likely to move slowly eastward. Winds from a westerly point will prevail generally with occasional rain or showers but also brighter intervals.

FURTHER OUTLOOK.

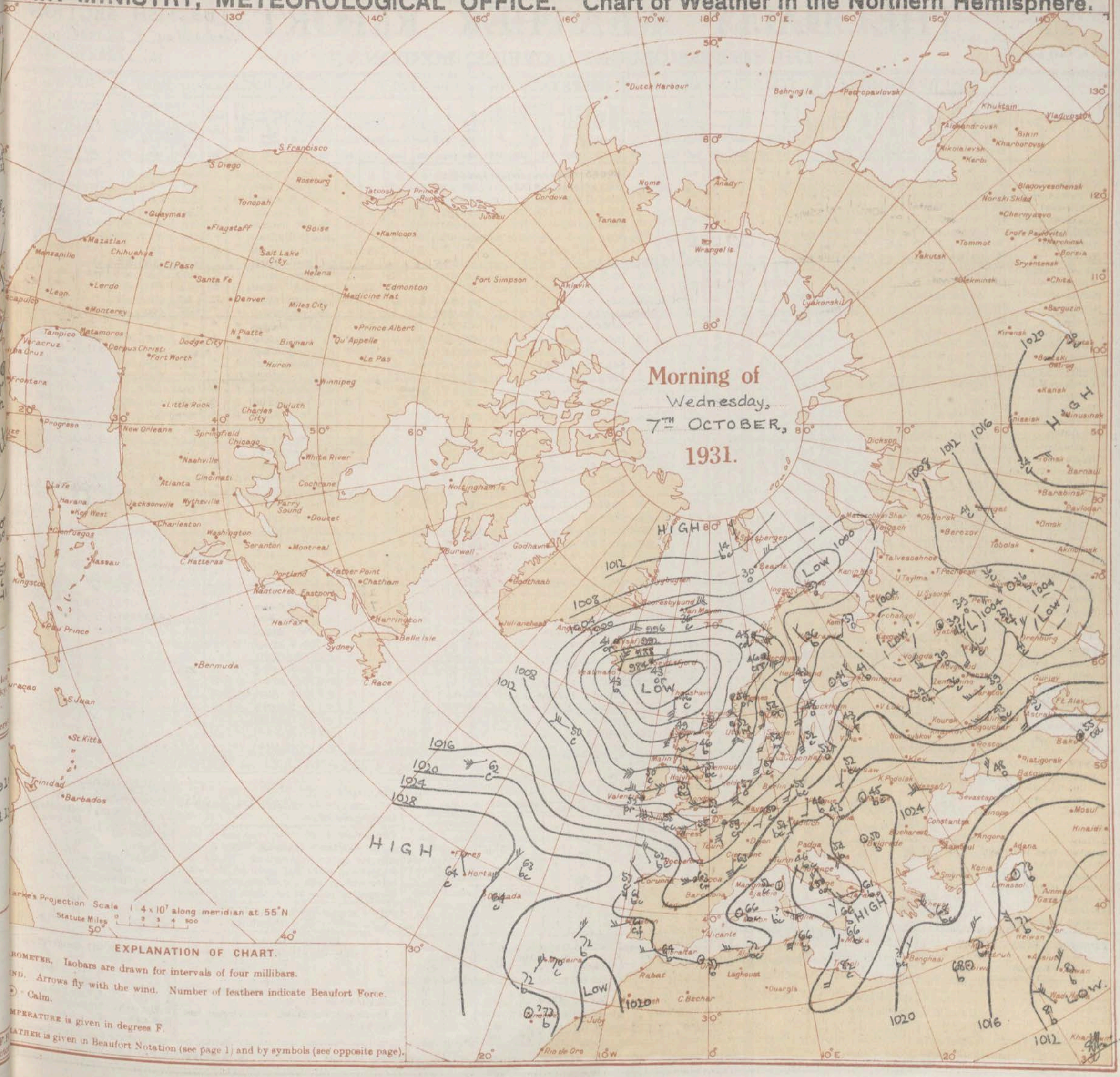
Becoming unsettled again in the West.

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).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 7th OCTOBER 1931.

No. 25521

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

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	1004.6	-26	S	4	r.r.	59	95	5	6	2	-	7.8	10	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1006.2	-34	SSW	5	rr	59	95	7	5	-	-	10	10	1500
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1006.0	-26	SSW	6	O/pr	58	95	5	5	-	-	10	10	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1004.4	-12	SWS	3	ir.	57	95	6	6	-	-	10	10	2500
	Cranwell	240	1001.3	-22	SW	4	r.r.	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	1003.4	-20	WSW	5	RR	58	96	6	4	-	-	10	10	1500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1006.4	-8	N	4	ir.	58	95	8	5	2	-	4.6	10	4000
	Scilly (St. Mary's)	163	1007.8	+8	WNW	6	bc	53	96	7	2	-	-	4.6	4.6	4000
	Guernsey	175	1006.1	-10	WSW	4	rr	56	96	6	6	-	-	10	10	1500
6	Pembroke	142	1003.9	0	WSW	3	c	55	96	8	8	7	-	7.8	9+	2500
7	Holyhead	26	1003.0	+2	W'N	5	c	55	85	8	5	-	-	10	10	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1000.1	-12	SWS	6	pr	56	95	7	6	2	-	7.8	9+	2500
	Tynemouth	67	997.8	-4	W	2	r.r.	54	95	6	6	-	-	10	10	1500
11	Inchkeith	190	997.8	0	SW	3	rr	51	95	7	6	-	-	10	10	2500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	993.2	-4	SSW	3	c	51	85	7	4	-	-	7.8	7.8	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	993.8	0	SSW	2	c	50	95	8	9	2	-	7.8	10	1500
16	Lerwick	54	992.8	-10	SSW	1	r.r.	52	95	6	5	-	-	10	10	800
17	Blacksod Point	18	1000.6	0	W	6	bc	50	75	7	3	-	-	4.6	4.6	800
18	Malin Head	52	993.3	-2	WSW	3	bc	50	85	6	5	-	-	2.3	2.3	2500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1006.1	+6	W	6	iR	56	95	8	6	-	-	7.8	7.8	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 7th 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)	1004.5	+28	W'N	3	c/r	53	95	6	8	2	-	1	9+	1500	1	*
	Croydon	1004.4	+14	W'S	3	c/r	53	95	6	5	-	1	9	10	800	1	*
	S. Farnborough	1005.3	+18	W	3	c	52	95	8	5	3	-	4-6	7-8	4000	1	*
	Winchester	1005.9	+16	W'N	4	c	51	95	8	5	-	-	9	9	4000	1	*
	Boscombe Down	1006.4	+22	WNW	3	c	50	95	7	5	-	-	9	9	4000	1	*
	Calshot, (S'thmtn)	1006.0	+8	W'S	4	c/pr	52	85	8	5	4	-	4-6	7-8	2500	1	1
	Dungeness	*	*	WNW	3	r.r.	*	*	7	8	7	*	7-8	9+	800	*	3
	Lympne	1003.7	+6	W	4	rr	55	95	6	6	2	-	4-6	9+	1500	1	*
2	Shoeburyness	1003.5	+16	WNW	3	ir.	54	95	7	5	2	-	7-8	9+	800	1	*
	Felixstowe	1002.4	+4	W	5	rr	55	85	7	6	2	-	7-8	10	800	1	3
	Gorleston	1000.2	-2	W'S	1	r.r.	57	95	6	6	-	-	10	10	1500	1	2
	Cranwell	1002.0	+6	W'S	3	ir.	56	95	6	6	-	-	10	10	1500	1	*
3	Cardington	1003.1	+20	W	3	c/r	52	95	7	5	2	-	7-8	9	4000	*	*
	Birmingham	1004.2	+6	W	2	b	49	95	8	2	3	-	1	1	2500	1	*
	Upper Heyford	1004.7	+20	W	3	c/r	55	95	8	9	3	-	7-8	7-8	1500	1	*
	Leafield	1004.4	+16	(W)	4	bc	49	95	8	5	3	-	4-6	4-6	4000	1	*
4	Ross-on-Wye	1005.6	+10	WSW	2	b	48	85	8	3	-	-	1	1	4000	1	*
5	Portland Bill	1006.9	+24	W	5	bc	55	95	8	8	-	-	4-6	4-6	2500	1	4
	Plymouth	1008.8	+18	WNW	4	b/pr	52	75	8	3	-	3	1	1	2500	1	3
	Falmouth	1008.6	+8	WNW	4	bc	51	75	8	3	-	-	4-6	4-6	4000	0	2
	Scilly (St. Mary's)	1010.3	+10	WNW	7	bc	55	75	8	2	-	-	4-6	4-6	4000	1	4
	Guernsey	1010.7	+30	WSW	5	bc	55	85	7	8	4	-	4-6	4-6	2500	1	3
6	Pembroke	1005.1	+6	WSW	5	pr	53	95	8	8	-	-	4-6	4-6	2500	1	3
7	Holyhead	1003.8	+8	W'S	4	bc	51	85	8	1	8	-	2-3	2-3	1500	1	2
	Chester (Sealand)	1003.0	+10	WSW	2	bc	48	85	7	8	-	-	2-3	2-3	2500	1	*
8	L'pool (Bidston)	1002.1	+2	W'N	4	bc	50	85	8	7	-	-	2-3	2-3	1500	0	*
9	Harrogate	1001.1	0	SW	2	c	48	95	8	8	3	-	4-6	7-8	4000	1	*
10	Spurn Head	999.7	0	NW	4	c	52	95	6	4	2	-	4-6	9+	2500	1	3
	Tynemouth	998.9	+4	W	2	bc	49	85	6	2	-	-	4-6	4-6	2500	1	1
11	Inchkeith	997.5	0	SW	3	bc	48	95	8	8	6	-	2-3	2-3	2500	0	3
	Leuchars	997.3	+6	WSW	2	b	43	95	7	7	4	-	Tr	1	4000	1	*
12	Renfrew	998.8	-2	WSW	1	c	46	95	7	8	-	-	7-8	7-8	2500	1	*
	Eskdalemuir	999.1	+2	~~WNW~~ SW	3	bc	43	95	6	5	-	-	4-6	4-6	800	1	*
13A	Tiree	995.6	-2	SW'W	4	pr	49	85	7	3	2	-	4-6	9	1500	1	3
13B	Stornoway	992.4	-6	SSW	3	c	49	95	8	8	7	-	4-6	7-8	4000	1	2
15	Dalwhinnie	996.7	+8	SE	1	c	43	95	6	4	5	-	4-6	10	800	1	*
	Aberdeen	995.1	0	WSW	2	b	46	95	8	8	-	-	1	1	4000	1	1
	Wick	993.1	-4	S	3	bc	45	85	8	7	4	1	2-3	4-6	2500	0	2
16	Lerwick	991.1	-6	S'W	1	c	51	95	7	5	-	7	2-3	10	1500	1	*
17	Blacksod Point	1000.0	-4	W	6	c	50	75	8	3	-	-	7-8	7-8	450	1	4
18	Malin Head	997.9	+2	SW	3	c/jp	47	85	7	3	8	-	4-6	7-8	2500	1	2
	Aldergrove	1000.8	0	SSW	2	pr	44	95	8	5	-	-	7-8	7-8	800	1	*
	Donaghadee	1000.2	+2	W'S	1	bc	43	85	8	5	3	-	1	2-3	4000	0	0
19	Birr Castle	1003.4	+4	SW	1	bc	43	95	8	3	4	-	1	2-3	2500	1	*
20	Valentia Obsy.†	1006.8	+12	W'N	5	pr	52	75	8	9	-	-	7-8	7-8	1500	1	5
	Roches Point	1006.4	+6	W	3	bc	47	95	8	3	-	9	4-6	4-6	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 6th Hrs. (36)
1	London (Kew)	54	53	51	Tr.	7	3.4
	Croydon	67	53	51	Tr.	7	(4.5)
	S. Farnborough	62	51	45	Tr.	6	1.3
	Winchester	60	50	47	0.2	10	0.0
	Boscombe Down	59	49	47	0.2	7	*
	Calshot, (S'thmtn)	61	51	49	0.4	9	0.7
	Dungeness	64	55	*	Tr.	8	*
	Lympne	62	55	54	Tr.	5	2.7
2	Shoeburyness	67	53	52	Tr.	4	3.5
	Felixstowe	66	55	53	0.1	4	4.9
	Gorleston	67	56	56	-	5	7.0
	Cranwell	65	50	49	0.2	2	3.2
3	Cardington	*	*	*	*	*	*
	Birmingham	57	49	44	Tr.	8	0.0
	Upper Heyford	60	50	48	0.1	6	*
	Leafield	58	49	46	0.2	6	0.1
4	Ross-on-Wye	59	47	43	Tr.	7	0.0
5	Portland Bill	60	55	*	0.2	11	*
	Plymouth	59	52	47	Tr.	6	0.0
	Falmouth	60	51	*	0.2	9	0.0
	Scilly (St. Mary's)	61	52	*	0.3	11	0.4
	Guernsey	60	54	50	0.2	7	0.1
6	Pembroke	59	52	*	5	9	0.0
7	Holyhead	58	51	46	5	7	0.0
	Chester (Sealand)	60	48	43	Tr.	7	0.7
8	L'pool (Bidston)	60	50	47	Tr.	14	0.3
9	Harrogate	62	48	45	0.2	4	2.6
10	Spurn Head	65	(52)	*	Tr.	1	5.1
	Tynemouth	62	49	45	-	4	*
11	Inchkeith	59	47	44	Tr.	2	0.1
	Leuchars	60	43	34	Tr.	1	0.0
12	Renfrew	60	46	40	7	5	0.1
	Eskdalemuir	54	40	34	3	8	0.0
13A	Tiree	56	48	40	7	0.4	0.0
13B	Stornoway	56	48	*	7	0.6	0.0
15	Dalwhinnie	56	(43)	31	2	1	0.0
	Aberdeen	57	45	37	0.1	4	0.0
	Wick	55	45	*	1	Tr.	*
16	Lerwick	54	51	*	3	2	0.0
17	Blacksod Point	58	47	*	3	2	*
18	Malin Head	57	47	*	1	2	0.0
	Aldergrove	58	41	36	12	Tr.	0.0
	Donaghadee	58	42	*	4	2	*
19	Birr Castle	58	42	35	8	-	0.0
20	Valentia Obsy.†	59	48	43	6	2	0.2
	Roches Point	58	46	*	4	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	bcFwc	cr.cm.	crrm.	64	53	51	Tr	7	3.4	*	*	7
CROYDON	217	bccm.	cr.m.	rr.Rr.	67	53	51	Tr	7	(4.5)	*	*	7
GREENWICH (Royal Observatory)	149	bc⊕	cp.	ir.RR.	70	52	50	Tr	9	3.4	77	80	6
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	2.2	*	*	*
WESTMINSTER (St. James' Park)	27	*	*	*	66	53	52	8	*	3.1	71	80	*
REGENTS PK. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	2.9	*	*	*
CAMDEN SQUARE	110	bmbcc	ccp	*	66	52	51	0.3	7	*	At 18h. 84	*	*
KENSINGTON	80	bcco	codr	*	67	53	51	Tr	7	3.2	89	81	*
HAMPSTEAD OBSERVATORY	450	bc	or	*	65	48	46	0.3	7	3.7	*	92	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

SOUTH KENSINGTON. Max.	Time.	Min.	Time.
1.3	9h 6h	0.0	23h 6h, 5h 10, 7h

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0.4	9h 6h	<0.1	1h - 4h, 7h

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 6th October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 7th October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day. mm.	Rainfall Night. mm.
PARIS	1013.1	-	0	bc	64	1008.1	SSW	4	ir.	59	72	59	-	3
BRUSSELS	1011.8	SSW	3	bc	63	1005.2	S	4	rr	59	73	59	-	3
BERLIN	1015.7	SE	2	bc	61	1011.0	SSW	2	bc	55	70	50	-	-
ZÜRICH	1021.1	SE	1	bc	61	1017.9	N	1	c	48	73	48	-	-
ROME	1026.1	WSW	2	b	63	1025.1	NNE	2	F	50	77	46	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

C. 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 8th OCTOBER 1931.

No. 25522.

OBSERVATIONS at 13h. G.M.T. 7th 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)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1008·6	+14	SW/W	4	bjp	57	55	8	3	5	-	1	1	4000
	Croydon	1008·3	+10	WSW	4	pr	53	85	8	8	3	3	7-8	7-8	1500
	S. Farnborough	1008·8	+14	WSW	4	PR	59	65	6	3	8	3	7-8	7-8	2500
	Winchester	1010·0	+18	NW/W	4	c/pr	48	85	8	5	3	-	4-6	7-8	1500
	Boscombe Down	1009·4	+10	WSW	3	c/pr	54	75	8	8	-	-	7-8	7-8	1500
	Calshot, S'thmtn	1009·9	+6	WSW	5	PR	53	75	8	8	-	-	7-8	7-8	2500
	Dungeness	*	*	W	2	r/tlr	*	*	7	8	4	*	4-6	7-8	1500
	Lympne	1009·0	+24	W	5	pr.	55	95	7	8	-	-	9	9	2500
2	Shoeburyness	1007·6	+12	W	5	bc	54	95	7	2	-	-	4-6	4-6	2500
	Felixstowe	1008·7	+22	WSW	4	bcq	58	55	9	7	-	-	4-6	4-6	2500
	Gorleston	1004·3	+20	WNW	4	bc	57	85	7	9	-	-	4-6	4-6	4000
	Cranwell	1004·5	+6	WSW	4	c	57	65	8	8	3	-	7-8	7-8	4000
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1006·0	+6	W	4	pr.	52	75	8	9	-	-	4-6	4-6	2500
	Upper Heyford	1007·8	+10	WSW	4	c/pr	50	85	7	9	8	-	4-6	7-8	2500
	Leafield	1007·3	+6	SW/W	4	c/p	54	65	9	3	-	3	7-8	7-8	5700
4	Ross-on-Wye	1007·4	+10	W	4	bc/pr	56	65	9	3	-	3	2-3	2-3	4000
5	Portland Bill	1009·8	+8	W	6	bc	58	85	8	8	6	-	2-3	4-6	2500
	Plymouth	1012·6	+18	W	5	pr	58	65	8	3	-	3	9	9	2500
	Falmouth	1012·6	+6	WN	5	bcq	57	65	8	9	-	-	4-6	4-6	4000
	Scilly (St. Mary's)	1013·8	+22	WN	6	bc	58	75	7	2	-	-	2-3	2-3	4000
	Guernsey	1014·2	+16	WSW	7	bcq	58	65	8	8	4	-	2-3	4-6	2500
6	Pembroke	1008·4	+12	W	5	bc	56	65	8	2	-	-	4-6	4-6	4000
7	Holyhead	1005·7	+6	WSW	5	cq	55	75	8	2	-	1	9	9	1500
	Chester (Sealand)	1004·6	+6	W'S	5	cq	59	55	9	2	-	9	4-6	7-8	4000
8	L'pool (Bidston)	1003·9	+2	WN	6	bcq	54	65	9	3	-	-	4-6	4-6	1500
9	Harrogate	1002·8	+6	SW	5	pr	52	65	9	6	-	8	7-8	7-8	2500
10	Spurn Head	1002·4	+2	WNW	5	c	56	95	6	5	3	8	4-6	9+	2500
	Tynemouth	1000·0	+4	W	4	bc	55	55	7	2	-	-	4-6	4-6	2500
11	Inchkeith	997·9	+6	WSW	3	c	51	85	7	2	7	1	4-6	7-8	4000
	Leuchars	997·8	+6	WSW	4	pr.	53	75	8	3	6	3	4-6	9	1500
12	Renfrew	999·2	+2	W'S	3	c.	54	65	8	8	-	-	7-8	7-8	2500
	Eskdalemuir	999·2	0	SW/W	5	c/p	50	65	8	3	-	-	7-8	7-8	1500
13A	Tiree	996·6	+14	WSW	4	c/p	54	75	9	8	5	-	4-6	7-8	2500
13B	Stornoway	992·6	0	WSW	4	c	52	75	8	9	6	8	4-6	7-8	1500
15	Dalwhinnie	996·1	+6	SE	1	c	46	85	6	4	3	-	7-8	10	800
	Aberdeen	994·9	-4	WNW	3	bc	57	55	8	8	3	3	1	2-3	4000
	Wick	992·6	-2	SSW	4	bc	55	85	8	8	6	-	4-6	4-6	2500
16	Lerwick	990·4	-4	W'S	W52	c	54	75	7	8	3	-	4-6	7-8	1500
17	Blacksod Point	1003·8	+26	W	6	bcq	55	75	8	3	-	-	4-6	4-6	800
18	Malin Head	999·2	+10	W'N	5	c/p	53	75	7	3	-	-	7-8	7-8	2500
	Aldergrove	1001·5	+6	W'S	4	c/pr	51	85	8	8	4	3	7-8	7-8	2500
	Donaghadee	1001·0	+6	W	3	c	53	75	7	5	3	-	7-8	9	2500
19	Birr Castle	1006·2	+12	WNW	3	c/pr	50	85	8	3	-	-	7-8	7-8	2500
20	Valentia Obsy.	1010·8	+18	WSW	5	bc	56	75	8	8	3	1	2-3	2-3	2500
	Roches Point	1009·5	+14	NW	4	bc	56	75	8	3	-	9	4-6	4-6	1500

OBSERVATIONS at 18h. G.M.T. 7th 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)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1011·9	+24	WSW	4	b	53	65	6	4	-	-	1	1	2500	1	*
	Croydon	1012·1	+26	WSW	4	b	52	85	7	7	3	-	Tr	Tr	2500	1	*
	S. Farnborough	1012·3	+22	WSW	3	b	50	75	8	8	-	3	Tr	Tr	2500	1	*
	Winchester	1012·6	+20	W'S	4	bc	51	75	8	4	-	-	2-3	2-3	2500	1	*
	Boscombe Down	1012·8	+26	W'S	4	bc	51	85	8	8	-	-	2-3	2-3	1500	1	*
	Calshot, S'thmtn	1013·2	+20	W'S	3	bc	53	75	8	8	-	-	2-3	2-3	2500	0	1
	Dungeness	*	*	SW	4	bc	*	*	7	5	7	*	2-3	4-6	2500	*	3
	Lympne	1012·4	+24	WSW	4	b	47	85	8	2	-	-	Tr	Tr	5700	1	*
2	Shoeburyness	1011·1	+22	WSW	5	b	53	85	7	1	-	-	Tr	Tr	2500	0	*
	Felixstowe	1009·8	+18	SW	4	b	54	65	8	8	-	-	1	1	2500	0	3
	Gorleston	1007·9	+16	W'S	3	bc	52	85	7	8	-	-	2-3	2-3	2500	0	3
	Cranwell	1007·3	+18	WSW	4	bc	50	75	8	8	3	1	2-3	2-3	4000	1	*
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1009·0	+18	WSW	4	bc	51	65	8	8	-	-	4-6	4-6	2500	1	*
	Upper Heyford	1010·6	+22	WSW	3	bc	49	75	8	8	-	-	4-6	4-6	2500	1	*
	Leafield	1010·6	+20	W'S	4	bc	49	75	8	4	-	3	2-3	2-3	4000	1	*
4	Ross-on-Wye	1011·1	+24	SW	3	bc	51	75	9	3	-	3	2-3	2-3	4000	1	*
5	Portland Bill	1013·1	+20	WNW	6	bc	57	65	8	8	4	1	2-3	4-6	2500	0	4
	Plymouth	1015·2	+20	WSW	5	bcjp	56	75	8	3	-	3	4-6	4-6	1500	1	3
	Falmouth	1015·3	+8	W'S	4	bcq	55	75	8	2	-	-	4-6	4-6	4000	0	3
	Scilly (St. Mary's)	1016·2	+12	W	6	bc	55	95	7	2	3	-	2-3	4-6	4000	1	4
	Guernsey	1017·3	+18	WSW	5	bcq	55	85	7	8	4	-	4-6	4-6	1500	1	4
6	Pembroke	1011·1	+16	W	5	PR	55	85	8	8	-	-	7-8	7-8	1500	1	4
7	Holyhead	1007·7	+18	W'S	5	bc/pr	53	75	8	3	-	-	2-3	2-3	1500	1	3
	Chester (Sealand)	1007·5	+22	WNW	2	bc/pr	51	75	8	8	-	-	4-6	4-6	2500	1	*
8	L'pool (Bidston)	1007·0	+24	W	5	PR	49	85	7	9	2	-	4-6	9	1500	2	*
9	Harrogate	1004·8	+10	SSW	4	b	47	85	8	3	-	3	1	1	2500	1	*
10	Spurn Head	1005·2	+4	W	5	cq	53	75	6	4	1	-	4-6	7-8	2500	0	4
	Tynemouth	1001·7	+10	WSW	2	bc	51	75	6	2	-	-	4-6	4-6	2500	0	2
11	Inchkeith	998·7	+6	WSW	4	bc	49	85	7	5	1	-	2-3	4-6	2500	0	2
	Leuchars	998·5	+10	W	3	bc	46	85	8	8	6	3	1	2-3	4000	1	*
12	Renfrew	1000·9	+16	W'N	3	c/pr	46	85	7	8	1	1	4-6	7-8	2500	1	*
	Eskdalemuir	1001·1	+14	W'S	6	bc/p	46	75	8	3	-	-	4-6	4-6	1500	1	*
13A	Tiree	999·9	+12	WSW	5	bc	50	85	8	8	7	-	4-6	4-6	2500	1	4
13B	Stornoway	992·7	0	W	4	r	47	95	7	6	-	-	9	9	1500	2	1
15	Dalwhinnie	996·6	+6	SE	1	c	43	95	6	6	3	-	7-8	10	800	1	*
	Aberdeen	996·4	+14	WSW	2	bc	49	75	6	8	-	3	2-3	2-3	4000	1	1
	Wick	992·9	+2	SSW	3	bc	47	75	8	8	4	8	4-6	4-6	2500	1	2
16	Lerwick	990·8	+6	WSW	1	bc	50	95	7	5	-	-	2-3	2-3	2500	0	*
17	Blacksod Point	1006·7	+14	W	7	bcq	54	75	8	3	-	-	4-6	4-6	800	0	4
18	Malin Head	1001·6	+16	W'N	6	bc	52	85	8	3	-	-	4-6	4-6	2500	1	4
	Aldergrove	1004·2	+18	SW	4	pr	50	85	8	9	-	-	7-8	7-8	2500	1	*
	Donaghadee	1003·3	+14	W	1	c	48	85	7	6	2	-	4-6	7-8	1500	1	0
19	Birr Castle	1008·9	+16	W	2	bc/pr	49	85	8	3	8	-	2-3	2-3	2500	1	*
20	Valentia Obsy.	1012·9	+10	WSW	5	c	56	85	8	6	-	-	7-8	7-8	2500	1	5
	Roches Point	1012·3	+20	NW	3	bc	55	75	8	8	-	-	4-6	4-6	1500	0	3

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. 7th (37)	Weather. 13h.–18h. 7th (38)	Weather. 18h.–1h. 7th to 8th (39)	Weather. 1h.–7h. 8th (40)
1	London (Kew)	cbcp	bcp.b	b	bwcw
	Croydon	bcPRq	cprbc	b	bbcc
	S. Farnborough	cb,bccP	cPbpb	b	bcp.
	Winchester	cbccPR	bcPRqt	bcerc	c
	Boscombe Down	cprqc	cprqbc	bccpr	c
	Calshot, S'thmtn	bcc	bcPRq	bw	bwbc
	Dungeness	p	bc	*	bc
	Lympne	crrbct	bcprqbc	b	bbcw
2	Shoeburyness	cbc	bcb	bb	pbcc
	Felixstowe	crrqbcq	bcoqcbc	b	bbcw
	Gorleston	or.rc	bc	bcb	bbc
	Cranwell	cr.bc	cqprb	b	bbc
3	Cardington	*	*	*	bbcc
	Birmingham	bcpr.	bc	bc	bc
	Upper Heyford	cbbccP	cprbc	bcbw	bcwc
	Leafield	bcp.c	bcp.	bw	bcwc d
4	Ross-on-Wye	bccjpq	bcb	bcb	bcor.
5	Portland Bill	bc,bc	bc	bc	bcc
	Plymouth	bcpR	cprbc	cpr.b	bwc
	Falmouth	bcPq	bcq	bcq	bcq
	Scilly (St. Mary's)	bcPq	bcp.	bc	bcp.
	Guernsey	bccpr	bccpr	bc	bcw
6	Pembroke	bc	bccpbq	bcPR	bcir.
7	Holyhead	bcucq	Prhq	bcbq	qbbcc
	Chester (Sealand)	bcuyq	bcqpr	cprb	bcbc
8	L'pool (Bidston)	bcPoq	bcPrh	prcbc	bccbc
9	Harrogate	bccp	cbp	cbcp	cbc
10	Spurn Head	cprbcc	cprcq	bcq	bcp
	Tynemouth	bcp.q	bcq	bcq	bcq
11	Inchkeith	bccpr	cbcpr	bcb	bbc
	Leuchars	bwcpr.	cpr.b	b	ccp.b
12	Renfrew	crprc	bccpr	cprc	cpr.c
	Eskdalemuir	bcjp	bcpr	bcpr	bcprPR
13A	Tiree	cPRbc	PRbc	bcpr	cpr.
13B	Stornoway	cpr	ocr	cPRlq	cp
15	Dalwhinnie	c	c	bc	bc
	Aberdeen	bcb	bcbz.	b	b
	Wick	bcpr	bcPhr	bc	bccpr
16	Lerwick	cpr.c	cbc	bcPR	bcPR
17	Blacksod Point	preq	phrcq	phrcq	preq
18	Malin Head	cpr	cpr	bcpr	bcer.m
	Aldergrove	p.bcP	bcprq	bcprb	bcer.
	Donaghadee	bbcc	crrc	bbcc	cid.c
19	Birr Castle	bccpr	cbcpr	bc	bccpr
20	Valentia Obsy.	cpr.bcq	bcp.bc	cir.irc	cir.c
	Roches Point	bc	bcpbc	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.
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.
n, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus, R, heavy rain. r_o, slight rain. rr, continuous rain.
< · less than (for cloud height).
⊕, Solar halo. ◐, lunar halo.

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.

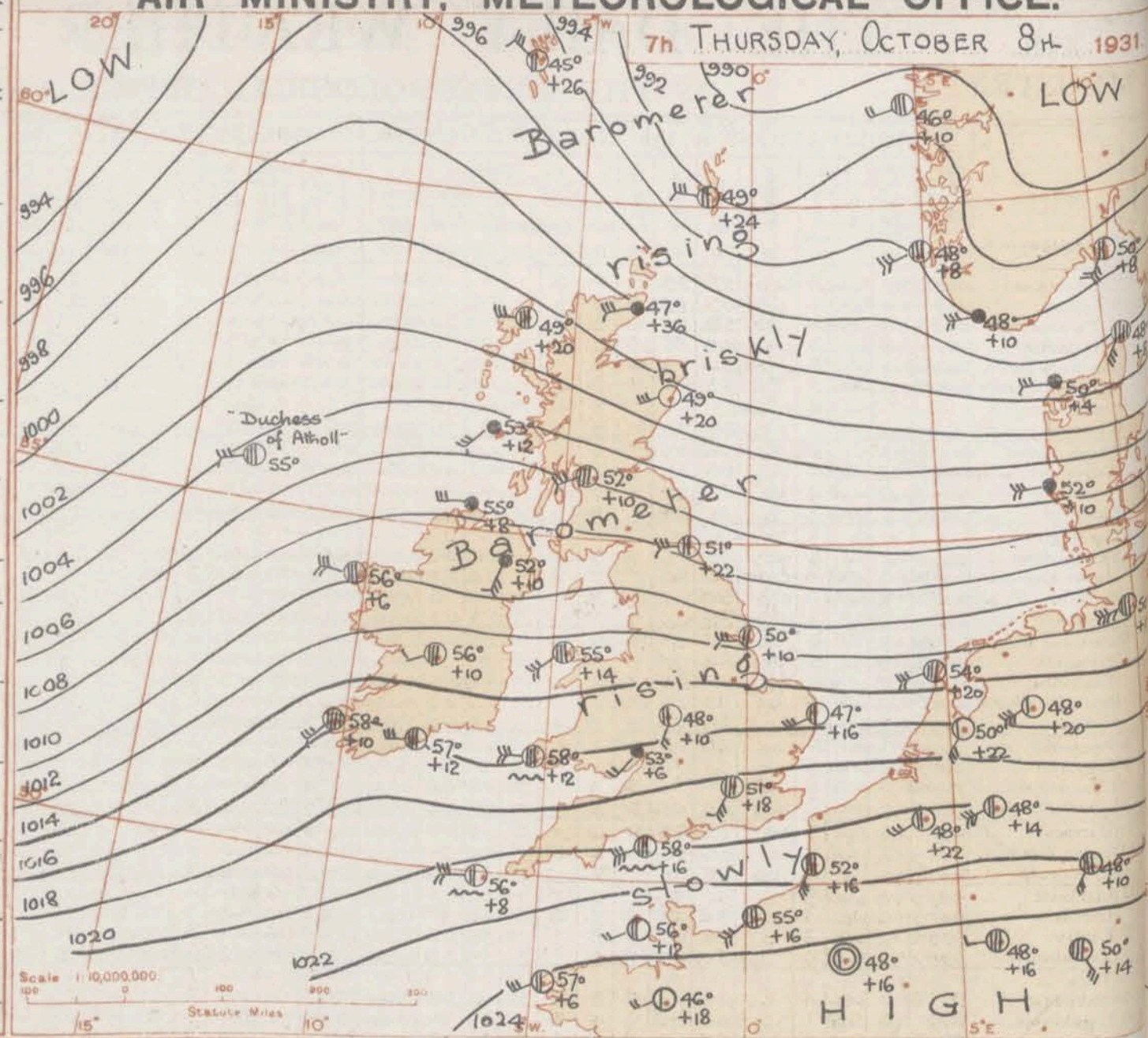
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 7th October 1931.

Districts.	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 17h. 7th	Sunshine. Sunrise to Sunset 6th
1	Tunbridge W.	bbc	obcdb	52	59	5	1	7.4	1.7
	Bournemouth	dcbc	bcbc	50	59	12	1	8.3	0.0
	Ventnor ...	rb	bpbdb	52	59	9	1	7.7	1.2
	Southsea ...	b	bcphc	52	61	9	2	7.7	1.7
	Bognor Regis	bcpr	bcpr	52	60	8	0.5	7.3	3.1
	Littlehampton	bc	curbc	52	60	6	2	7.6	2.5
	Worthing ...	bc	bcrc	53	61	3	2	7.2	2.5
	Brighton ...	bcp	cpbc	54	60	4	2	6.8	2.4
	Eastbourne†	bcb	bbcip	51	60	7	1	7.5	2.4
	Hastings† ...	cbcb	bbccp	53	61	6	0.4	7.5	1.2
	Folkestone ...	orcp	bccp	54	61	7	2	5.5	3.5
	Dover... ...	cbc	bcpic	55	61	5	1	5.0	4.6
	Deal	rcbc	bcpbc	54	61	4	1	4.7	4.0
	Ramsgate ...	cbc	bcpbc	54	62	4	0.4	5.5	3.9
	Margate ...	cbc	pbc	55	60	4	Trace	5.5	4.2
2	Southend ...	bc	bc	52	61	3	-	6.7	3.2
	Maldon ...	rcb	b	53	61	4	-	6.8	2.4
	Clacton-on-Sea	coirbc	bcbc	53	60	4	-	7.2	4.1
	Dovercourt ...	rbc	bcpbc	52	60	4	Trace	5.5	4.0
	Lowestoft ...	prcbc	bbcdb	52	58	6	Trace	5.5	6.9
	Skegness ...	obc	bcro	52	58	4	0.6	6.1	6.4
	Mablethorpe	bc	bccp	51	59	2	Trace	5.7	5.1
	Cleethorpes ...	orcm	ctRc	51	58	1	0.5	5.8	4.9
3	Leamington S.	c	cp	46	59	-	0.2	7.4	0.3
4	Cheltenham†	bbcip	bcc	48	57	6	1	6.3	0.3
5	Bath	cbcp	bcbp	51	58	5	2	6.0	0.3
	Weymouth ...	bvy	pbvy	51	61	7	0.5	9.8	0.4
	Jersey ...	rcbc	pbc	56	60	3	1	9.5	0.3
	Torquay ...	bcRp	bbcpb	48	60	6	1	8.1	0.2
	Penzance ...	bpr	bpr	48	60	16	2	7.6	0.0
	St. Ives ...	c	b	48	58	16	0.5	7.2	0.3
	Bude	cbc	bc	49	58	18	-	8.1	0.0
	Ilfracombe ...	bcp	bcc	52	58	13	2	5.9	0.0
6	Aberystwyth	rcbc	cbcrc	53	56	23	2	7.0	0.0
7	Llandudno ...	bc	bcpil	51	56	6	1	6.3	0.3
	Colwyn Bay...	bcbcc	bcp	48	57	9	1	7.2	0.4
	Rhyl	bcb	bbcpr	49	59	4	1	8.3	0.0
8	Wallasey ...	bcpc	pibcdc	51	57	15	1	7.7	0.0
	Southport‖ ...	ocpc	bccpth	52	56	13	2	6.3	0.1
	Blackpool ...	cp	cpq	52	57	15	1	6.4	0.0
	Morecambe ...	rpbbc	dpbbc	51	66	11	0.3	7.6	0.0
9	Ilkley... ...	bcp	bcip	47	57	4	3	6.2	1.8
10	Berwick-on-T.	bbc	bc	46	56	3	-	8.7	0.0
11	Dunbar ...	bc	bcp	47	54	2	0.3	7.1	1.0
12	Douglas ...	bc	bcdbc	47	55	7	Trace	9.6	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 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. 8th Oct. 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Moderate to fresh southwesterly winds; cloudy, rain at times; moderate temperature.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Fresh to strong southwesterly to southerly winds; cloudy, rain at times; moderate temperature.
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	Fresh to strong southwesterly to southerly winds, reaching gale force perhaps locally later; cloudy; rain at times; moderate temperature.
15. N.E. Scotland 16. Orkneys and Shetlands.	Wind becoming fresh to strong southwesterly to southerly; cloudy, rain at times; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 12 - 14.

GENERAL INFERENCE.

A large depression centred southwest of Iceland is likely to move northeastward while associated disturbances cross the British Isles from the West. Weather is expected to be unsettled generally with rain at times in most districts.

FURTHER OUTLOOK.

Unsettled.

Forecasts issued at 0900 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2. Pk 305/1931 m 15 3 600 Gp 908 31006 10/31

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

EXPLANATION OF CHART.

OMETER. Isobars are drawn for intervals of four millibars.

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

Calm.

PERATURE is given in degrees F.

THER 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, 8th. OCTOBER 1931.

No. 25522

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

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	1016·0	+1·4	SWW	4	b	49	85	7	–	–	–	0	0	–
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1017·1	+1·4	W'S	4	b	53	75	8	–	–	–	0	0	–
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1015·7	+1·0	W'S	4	b	49	85	8	–	–	–	0	0	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1012·8	+1·0	W'S	4	b	48	95	7	–	–	–	0	0	–
	Cranwell	240	1011·4	+1·2	WSW	4	b	46	85	7	–	–	–	0	0	–
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1017·1	+1·6	WSW	6	bc	56	75	8	4	–	–	2·3	2·3	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1018·8	+4	W'S	4	q	55	85	7	8	–	–	7·8	7·8	4000
	Scilly (St. Mary's)	163	1019·3	+1·0	W'N	5	bc	56	95	7	2	–	–	2·3	2·3	4000
	Guernsey	175	1020·6	+1·2	WSW	4	bc	56	85	7	8	–	–	4·6	4·6	1500
6	Pembroke	142	1015·1	+1·0	W	5	bc	56	95	8	3	8	–	4·6	4·6	2500
7	Holyhead	26	1011·4	+8	WSW	6	q	53	85	8	1	–	–	Tr.	Tr.	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1008·7	+8	W'S	5	bc	48	85	7	–	1	–	0	2·3	–
	Tynemouth	67	1004·3	+4	W	4	bc	50	75	8	2	–	–	4·6	4·6	2500
11	Inchkeith	190	1001·8	+1·0	WSW	5	b	49	85	8	–	8	–	0	1	–
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	995·2	+4	WNW	6	q	54	85	7	6	–	–	4·6	4·6	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	993·4	0	WSW	4	bc	46	85	8	8	6	–	4·6	4·6	2500
16	Lerwick	54	989·3	–1·2	WSW	2	PR	48	85	7	9	–	–	4·6	4·6	1500
17	Blacksod Point	18	1002·0	+1·8	W	5	q	56	85	6	9	–	–	9+	9+	1150
18	Malin Head	52	1006·4	+1·2	W'N	6	bc jp	53	75	7	3	–	–	2·3	2·3	2500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1013·7	0	SW	7	q	56	96	7	5	–	–	10	10	2500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 8th. 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)	1018·8	+2·0	SW	3	c	49	95	8	5	2	8	7·8	9+	2500	1	*
	Croydon	1018·8	+1·8	SW	4	c	51	85	7	5	4	9	4·6	7·8	2500	1	*
	S. Farnborough	1018·8	+1·8	SW	2	pr	50	95	7	5	2	8	4·6	9+	4000	1	*
	Winchester	1019·2	+1·6	SW	3	c	51	95	8	5	–	–	9+	9+	4000	1	*
	Boscombe Down	1018·8	+1·8	WSW	3	c	53	95	7	5	–	–	9+	9+	800	1	*
	Calshot, (S'thmtn)	1019·5	+1·2	WSW	4	bc	55	85	7	5	3	–	4·6	7·8	2500	0	2
	Dungeness	*	*	WSW	3	bc	*	*	7	1	1	*	2·3	4·6	2500	*	3
	Lympne	1019·4	+2·2	W'S	4	bc	47	95	7	–	–	6	0	4·6	–	1	*
2	Shoeburyness	1018·2	+2·0	SW	3	c	51	95	7	–	3	9	0	7·8	–	0	*
	Felixstowe	1017·4	+1·6	SW	4	bc	49	95	7	–	–	9	0	4·6	–	0	3
	Gorleston	1014·6	+1·6	WSW	3	bc	47	85	7	–	5	1	0	4·6	–	0	2
	Cranwell	1013·9	+1·6	SWW	5	bc	48	85	8	5	5	9	1	7·8	1500	0	*
3	Cardington	1016·0	+1·2	SW	4	c	48	95	7	5	3	–	4·6	7·8	4000	*	*
	Birmingham	1015·8	+1·0	SSW	2	bc	48	95	8	5	3	–	2·3	4·6	1500	1	*
	Upper Heyford	1017·0	+1·6	SSW	3	id.	47	95	6	5	–	–	9	9	1500	1	*
	Leafield	1016·7	+1·4	SSW	3	dd	48	95	4	5	–	–	10	10	1150	1	*
4	Ross-on-Wye	1016·1	+6	SW	2	r.r.	53	95	6	6	–	–	10	10	1500	1	*
5	Portland Bill	1018·3	+1·6	WSW	5	c	58	85	8	4	4	9	4·6	7·8	2500	0	4
	Plymouth	1020·7	+8	SW	4	c	56	95	7	5	4	–	7·8	9	1500	1	3
	Falmouth	1020·5	+6	WSW	4	bc	55	95	7	5	–	–	4·6	4·6	4000	0	2
	Scilly (St. Mary's)	1020·9	+8	W'S	5	bc	56	95	7	5	3	9	1	4·6	4000	0	4
	Guernsey	1022·7	+1·2	WSW	2	bc	56	85	8	8	4	–	4·6	4·6	2500	0	2
6	Pembroke	1016·0	+1·2	W	5	c	58	95	7	8	7	–	4·6	7·8	1500	1	4
7	Holyhead	1013·0	+1·4	SWW	5	c	55	95	8	5	3	9	1	9+	800	1	2
	Chester (Sealand)	1013·2	+1·0	W'S	1	bc	53	95	8	5	3	–	2·3	4·6	2500	1	*
8	L'pool (Bidston)	1012·6	+6	W	4	bc	54	95	8	8	8	–	4·6	4·6	4500	0	*
9	Harrogate	1011·4	+1·4	SW'S	4	bc	50	95	8	3	7	8	1	4·6	2500	1	*
10	Spurn Head	1011·6	+1·0	W	4	q	50	95	7	0	1	1	0	4·6	–	0	3
	Tynemouth	1007·5	+2·2	W	4	bc	51	95	7	2	7	–	2·3	4·6	1500	0	2
11	Inchkeith	1004·8	+1·2	WSW	5	bc	51	85	8	5	3	9	2·3	4·6	4000	0	3
	Leuchars	1004·1	+2·0	WSW	5	bc	49	95	8	4	6	–	Tr	1	5700	0	*
12	Renfrew	1007·1	+1·0	WSW	4	c jp	52	85	7	8	–	–	9	9	1500	1	*
	Eskdalemuir	1008·0	+2·0	WSW	5	bc	46	95	8	5	–	–	7·8	7·8	1500	1	*
13A	Tiree	1005·5	+1·2	SWW	4	id.	53	95	7	6	2	–	7·8	10	1500	1	3
13B	Stornoway	1000·9	+2·0	W	3	c	49	95	8	9	–	9	4·6	7·8	2500	1	2
15	Dalwhinnie	1000·4	+1·6	SE	4	bc	46	75	8	3	–	–	4·6	4·6	800	1	*
	Aberdeen	1001·5	+2·0	WSW	3	b	49	75	8	–	–	–	0	0	–	1	1
	Wick	997·7	+3·6	WSW	4	pr.	47	85	8	9	7	8	4·6	7·8	1500	1	2
16	Lerwick	990·4	+2·4	W'N	4	bc pr	49	85	7	8	–	–	4·6	4·6	1500	2	*
17	Blacksod Point	1009·9	+6	W	5	o	56	95	7	–	2	–	0	10	–	0	3
18	Malin Head	1006·9	+8	W	3	ir.	55	95	6	6	2	–	7·8	10	1500	1	3
	Aldergrove	1009·5	+1·0	WSW	4	ir.	52	95	6	5	2	–	9	9+	800	1	*
	Donaghadee	1009·3	+1·0	WSW	2	c	50	95	7	5	2	–	7·8	9	2500	1	1
19	Birr Castle	1012·7	+1·0	WSW	1	c	56	95	7	6	1	–	7·8	10	1500	1	*
20	Valentia Obsy.†	1016·1	+1·0	SW	4	c	58	95	7	5	–	–	10	10	800	1	3
	Roches Point	1015·9	+1·2	W	3	c	54	95	8	3	–	–	7·8	7·8	1500	1	3

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (31)	Temperature Min. Night 18h–7h °F (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 7th Hrs. (36)
1	London (Kew)	58	47	42	Tr	–	7·4
	Croydon	60	49	46	2	–	7·7
	S. Farnborough	61	46	36	3	Tr	8·5
	Winchester	58	46	43	2	0·2	5·9
	Boscombe Down	57	47	44	2	2	*
	Calshot, (S'thmtn)	60	50	47	3	–	8·1
	Dungeness	62	53	*	5	Tr	*
	Lympne	59	46	43	1	Tr	5·6
2	Shoeburyness	61	48	45	–	–	6·5
	Felixstowe	60	47	43	Tr	–	5·8
	Gorleston	59	47	43	0·1	–	4·6
	Cranwell	58	46	43	1	–	7·7
3	Cardington	*	*	*	*	*	*
	Birmingham	56	46	42	0·3	–	8·2
	Upper Heyford	56	42	38	2	Tr	*
	Leafield	55	43	33	1	0·2	7·4
4	Ross-on-Wye	58	49	43	0·5	0·4	7·7
5	Portland Bill	59	56	*	–	–	*
	Plymouth	58	54	50	0·6	0·1	6·4
	Falmouth	59	55	*	1	–	7·9
	Scilly (St. Mary's)	58	54	*	2	Tr	8·5
	Guernsey	59	55	51	2	–	7·1
6	Pembroke	56	53	*	Tr	1	7·5
7	Holyhead	54	53	48	1	–	6·9
	Chester (Sealand)	59	47	39	0·1	0·4	9·0
8	L'pool (Bidston)	54	46	44	2	1	7·3
9	Harrogate	55	46	42	0·5	1	6·1
10	Spurn Head	58	48	*	0·5	–	4·8
	Tynemouth	54	48	43	0·1	–	*
11	Inchkeith	52	46	45	1	Tr	5·4
	Leuchars	55	43	38	0·1	Tr	4·0
12	Renfrew	56	46	42	4	2	3·5
	Eskdalemuir	51	42	40	2	6	5·3
13A	Tiree	54	46	42	5	1	4·4
13B	Stornoway	55	46	*	12	8	4·3
15	Dalwhinnie	49	42	39	2	13	2·0
	Aberdeen	58	44	39	–	–	5·6
	Wick	56	44	*	1	1	*
16	Lerwick	54	47	*	2	4	3·0
17	Blacksod Point	56	54	*	2	2	*
18	Malin Head	53	47	*	5	1	4·3
	Aldergrove	54	46	39	2	0·5	6·1
	Donaghadee	55	46	*	3	0·2	*
19	Birr Castle	56	47	41	2	0·5	6·6
20	Valentia Obsy.†	57	54	52	1	1	7·4
	Roches Point	57	53	*	0·2	0·1	*

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon (24 hrs. ended 9h.)	Weather Night (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity 15h. G.M.T. % (Yesterday.)	Humidity 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew	18	cbcp	bcpb	b	58	47	42	Tr	–	7·4	*	*	6
Croydon	217	bcPRq	cprbc	bbcc	60	49	46	2	*	7·7	*	*	5
Greenwich (Royal Observatory)	149	bc	bcp	bwcr	61	47	38	Tr	1	7·1	61	94	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	6·5	*	*	*
Westminster (St. James' Park)	27	*	*	*						6·9			*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	6·9	*	*	*
Camden Square	110	c	cp	*	60	48	45	Tr.	1	*	*		*
Kensington	80	or	bwcdr	*	60	48	39	–	1·2	6·4	At 18h. 67	95	*
Hampstead Observatory	450	bcp	bc	bcer	57·3	45·3	41·1	Tr	1	5·1		99	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time	Min.	Time	Kew Observatory Max.	Time	Min.	Time
0·6	18-19h 7th	–	0-6h 8th	0·1	8h. 7th	<0·1	1-4h 8th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 7th. October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 8th. October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1018·5	W	2	b	54	1024·5	–	0	b	48	63	48	9	–
Brussels	1013·4	WSW	3	bc	52	1020·3	WSW	3	bc	48	61	46	10	1
Berlin	1006·8	SW	5	rs q	63	1015·6	SW	5	bc	52	73	48	0·1	6
Zurich	1020·8	W	3	ir	55	1027·5	WSW	1	c	52	61	48	2	1
Rome	1023·1	SW	2	bc	64	1024·7	NE	2	f	52	75	54	–	–

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 9th October 1931.

No. 25523

OBSERVATIONS at 13h. G.M.T. 8th 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)	1020·5	+8	SW/W	3	c	61	75	8	5	-	-	9+	9+	2500
	Croydon	1020·9	+10	WSW	4	c	61	75	7	5	-	-	10	10	1500
	S. Farnborough	1020·6	+6	WSW	4	pr.	64	75	8	7	3	-	4·6	9	2500
	Winchester	1021·5	+16	W'S	4	c	61	75	8	5	7	-	4·6	10	2500
	Boscombe Down	1021·3	+10	W	4	id	59	85	7	6	2	-	9	10	1500
	Calshot, S'thmtn	1021·9	+6	SW/S	5	bc	63	75	8	8	-	-	4·6	4·6	4000
	Dungeness	*	*	SSW	5	c	*	*	7	4	7	*	7·8	9+	1500
	Lympne	1020·8	+8	WSW	5	c	60	75	8	5	-	-	9+	9+	1500
2	Shoeburyness	1019·6	+2	SW'S	5	bc	63	85	7	1	8	-	2·3	2·3	2500
	Felixstowe	1019·1	+6	SW/W	5	c	60	75	7	5	-	1	7·8	7·8	1500
	Gorleston	1017·2	+10	W'S	3	c	60	85	6	8	-	-	7·8	7·8	2500
	Cranwell	1015·8	0	WSW	5	c	63	75	7	7	3	9	2·3	7·8	4000
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1017·8	+14	WSW	4	c	60	75	8	6	3	-	4·6	7·8	1500
	Upper Heyford	1019·1	+6	SW/W	4	c/r	60	85	7	6	-	-	9	9	1500
	Leafield	1019·0	+10	SW/W	4	c	58	95	7	6	3	-	7·8	9+	800
4	Ross-on-Wye	1019·0	+14	SW	3	c	61	85	8	8	-	-	9+	9+	2500
5	Portland Bill	1021·6	+4	WSW	5	bc	60	85	8	2	4	-	4·6	4·6	2500
	Plymouth	1022·6	+4	SW	4	bc	60	95	7	2	4	-	2·3	2·3	1500
	Falmouth	1022·2	0	WSW	5	bcq	60	95	8	8	-	-	4·6	4·6	4000
	Scilly (St. Mary's)	1022·5	0	SW/W	4	bc	61	95	7	1	-	-	2·3	2·3	4000
	Guernsey	1024·2	+2	WSW	4	bc	62	85	7	8	-	-	4·6	4·6	2500
6	Pembroke	1019·2	+6	W	3	c	58	95	6	3	-	-	10	10	1500
7	Holyhead	1015·4	+10	SW/W	5	c	60	85	7	5	3	2	Tr	7·8	1500
	Chester (Sealand)	1016·1	+16	WSW	5	bc	66	65	8	7	-	-	4·6	4·6	4000
8	L'pool (Bidston)	1015·9	+16	W'N	5	bc	61	75	8	5	-	6	4·6	4·6	2500
9	Harrogate	1014·3	+10	SSW	5	pr	57	85	8	6	-	8	7·8	9	2500
10	Spurn Head	1014·4	+8	W	5	c	60	85	6	5	3	-	4·6	7·8	2500
	Tynemouth	1010·2	+6	W	4	c	59	75	7	6	-	-	9	9	1500
11	Inchkeith	1008·3	+8	WSW	4	c	56	95	7	5	-	-	10	10	2500
	Leuchars	1008·0	+14	WSW	5	cjp	58	75	7	8	5	6	2·3	7·8	2500
12	Renfrew	1009·6	+8	WNW	2	d. d.	55	95	6	6	1	-	9	10	1500
	Eskdalemuir	1011·0	+14	SW	5	c/d	53	95	6	6	1	-	9	10	1500
13A	Tiree	1006·4	+2	SW/S	4	c/pr	55	95	7	9	7	-	9+	10	1500
13B	Stornoway	1002·9	-4	SSW	3	rr	53	95	6	6	2	-	9	10	1500
15	Dalwhinnie	1006·7	+6	S	1	c	53	85	5	3	-	-	7·8	7·8	450
	Aberdeen	1006·1	+14	WNW	3	bc	61	45	8	7	4	-	2·3	4·6	4000
	Wick	1003·2	+20	WSW	3	bc/pr	52	85	8	8	4	2	4·6	4·6	2500
16	Lerwick	9999	+36	W'N	3	c/p	52	75	7	8	-	-	7·8	7·8	1500
17	Blacksod Point	1010·3	+4	WSW	5	c	60	85	7	5	-	-	10	10	<150
18	Malin Head	1008·8	+8	WSW	4	c	60	85	7	7	6	-	7·8	9+	2500
	Aldergrove	1011·8	+14	SSW	4	c	58	85	7	5	-	-	9+	9+	800
	Donaghadee	1011·4	+8	WSW	3	bc	62	75	7	8	3	9	4·6	4·6	2500
19	Birr Castle	1014·5	+2	WSW	3	c	63	75	8	8	-	-	9+	9+	1500
20	Valentia Obsy.	1016·2	-6	S'W	5	c	60	95	8	5	-	-	10	10	1500
	Roches Point	1017·7	+18	W	3	c	60	85	8	5	-	-	7·8	7·8	2500

OBSERVATIONS at 18h. G.M.T. 8th 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)	1021·8	+12	SW	2	c	59	85	5	5	-	-	7·8	7·8	2500	1	*
	Croydon	1021·2	+6	SSW	4	bc	59	85	6	5	3	-	4·6	4·6	1500	1	*
	S. Farnborough	1021·6	+8	SW	2	c	57	85	7	5	3	-	7·8	7·8	4000	1	*
	Winchester	1022·1	+6	WSW	3	c	57	95	7	5	2	-	4·6	9+	2500	1	*
	Boscombe Down	1021·8	+6	WSW	3	id.	57	95	6	5	-	-	9+	9+	1500	1	*
	Calshot, S'thmtn	1022·0	0	SW	4	bc	58	85	7	7	-	-	2·3	2·3	2500	0	1
	Dungeness	*	*	SW	5	c	*	*	7	4	7	*	4·6	9	1500	*	3
	Lympne	1022·5	+18	WSW	3	c	55	95	6	5	-	-	9	9	1500	0	*
2	Shoeburyness	1021·3	+12	SW'S	3	bc	58	95	7	5	2	-	2·3	4·6	2500	0	*
	Felixstowe	1020·7	+14	SW	3	bc	59	85	7	4	-	1	2·3	4·6	4000	0	2
	Gorleston	1018·7	+12	WSW	2	bc	60	85	6	4	-	4	2·3	4·6	4000	0	2
	Cranwell	1017·9	+14	WSW	4	c	58	85	6	-	3	9	0	7·8	-	0	*
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1019·2	+10	SW	3	bc	57	85	8	6	-	1	2·3	4·6	1500	1	*
	Upper Heyford	1020·1	+6	SW/W	4	c	56	85	8	5	-	-	7·8	7·8	4000	1	*
	Leafield	1020·4	+6	SW/W	3	c	55	95	7	6	3	-	1	9	800	1	*
4	Ross-on-Wye	1019·9	+4	SW	3	c	58	85	7	5	-	-	7·8	7·8	2500	1	*
5	Portland Bill	1022·0	+4	SW/W	5	bc	58	85	8	4	6	-	4·6	4·6	2500	0	4
	Plymouth	1022·4	+2	SW	5	c	57	95	7	5	-	-	7·8	7·8	800	0	3
	Falmouth	1021·7	0	SW/W	4	cq	57	95	8	8	-	-	7·8	7·8	4000	0	2
	Scilly (St. Mary's)	1021·5	-2	SW'S	4	c	58	95	6	8	-	-	9+	9+	4000	0	3
	Guernsey	1024·1	0	WSW	2	bc	57	85	7	8	-	9	4·6	4·6	1500	0	3
6	Pembroke	1018·8	0	WSW	3	c	58	95	7	8	8	-	7·8	9	1500	1	3
7	Holyhead	1015·6	+2	SW'S	5	c	58	95	6	5	3	-	4·6	9+	4000	1	2
	Chester (Sealand)	1017·3	+6	SW	4	c	59	85	7	5	-	4	4·6	7·8	2500	1	*
8	L'pool (Bidston)	1016·0	0	WSW	5	bc	57	85	8	5	-	-	4·6	4·6	2500	1	*
9	Harrogate	1015·3	+6	SSW	4	bc	56	85	7	9	-	8	1	4·6	2500	1	*
10	Spurn Head	1016·2	+6	W'S	2	c	57	85	6	5	4	1	2·3	7·8	1500	1	2
	Tynemouth	1012·3	+16	SW	2	c	59	75	7	2	-	-	7·8	7·8	2500	0	1
11	Inchkeith	1009·5	0	WSW	4	c	57	85	7	5	4	-	4·6	7·8	2500	0	3
	Leuchars	1008·7	+2	W	4	c	57	85	6	5	4	1	7·8	9+	1500	0	*
12	Renfrew	1010·3	-6	SW	3	ir.	57	95	6	5	-	-	10	10	1500	1	*
	Eskdalemuir	1012·3	+8	SW'S	5	c	55	95	6	5	2	-	7·8	10	800	1	*
13A	Tiree	1006·1	-4	SSW	5	c	55	95	6	5	3	8	4·6	9+	2500	0	4
13B	Stornoway	1001·2	-4	SSW	5	pr	57	85	6	6	2	-	9	10	1500	1	2
15	Dalwhinnie	1007·7	+8	S	1	c	54	75	6	3	-	-	10	10	450	1	*
	Aberdeen	1007·0	+6	SW	3	bc	57	85	6	5	9	-	2·3	4·6	4000	0	1
	Wick	1003·1	-6	SW	3	c	53	95	8	6	1	8	4·6	9	1500	1	2
16	Lerwick	1002·5	+14	W'S	2	c	48	85	7	5	-	-	7·8	7·8	1500	1	*
17	Blacksod Point	1008·1	-14	SW	6	cu	58	85	7	9	-	-	9+	9+	<150	0	4
18	Malin Head	1008·1	-6	SW	4	c	58	85	7	5	2	-	7·8	9+	1500	0	2
	Aldergrove	1011·9	+2	SW	3	c/r	56	95	7	6	7	-	7·8	9+	1500	1	*
	Donaghadee	1011·5	+2	WSW	2	c	59	85	7	5	-	-	9	9	1500	1	1
19	Birr Castle	1013·4	-2	~~ESE~~	2	c	58	85	8	5	-	-	9+	9+	1500	1	*
20	Valentia Obsy.	1013·6	-10	S	5	c	58	95	8	5	-	-	10	10	800	1	3
	Roches Point	1015·9	-6	SW	3	c	58	85	7	3	-	-	9+	9+	1500	0	3

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. 8th. (37)	Weather. 13h.–18h. 8th. (38)	Weather. 18h. 8th to 1h. 9th (39)	Weather. 1h.–7h. 9th (40)
1	London (Kew)	crm.c	bccm.	bc	bcw
	Croydon	cr.orm.	cbc	cm.b	bwbcm.
	S. Farnborough	cp.	cpr.bc	bcc	bcbwc
	Winchester	c	cpr.c	c	cpr.c
	Boscombe Down	cid.	cid.c	cd.m.	cdm.
	Calshot, S'thmtn	cwbcc	bc	bw	bir.bcw
	Dungeness	bc	bc	*	bc
	Lympne	bcc	bcc	b	bcm.w
2	Shoeburyness	cpr.c	bc	bcb	bbcm.w
	Felixstowe	bcc	cbc	bcb	bbw
	Gorleston	bc	cbc	bcbw	bwbc
	Cranwell	bcc	bcm.	bcm.b	bwbc
3	Cardington	*	*	*	bbc
	Birmingham	bccpr.	bcc	bc	bcc
	Upper Heyford	d.rr.	cr.bc	bcbw	bwbcc
	Leafield	omdrc	ir.c	cbwbc	cbc
4	Ross-on-Wye	r.oc	cd.c	bccbc	cbcc
5	Portland Bill	bc	bc	bc	bcc
	Plymouth	cd.bc	bm.c	cb	bcc
	Falmouth	bcq	bcq	bcq	bcq
	Scilly (St. Mary's)	bccbc	bcc	cbc	bcc
	Guernsey	bccbc	bc	cpr.	ocbcw
6	Pembroke	cm.	c	c	bcq
7	Holyhead	cbcm.	c	cm.	cm.q
	Chester (Sealand)	bccbc	bcir.c	c	bccv
8	L'pool (Bidston)	bccbc	cpr.bc	bcccv	cv
9	Harrogate	bccwp	cbp	bc	bc
10	Spurn Head	bcqc	bc	cbccw	bc
	Tynemouth	bccq	c	coq	ocq
11	Inchkeith	c	cir	cbcc	c
	Leuchars	bbcq	cocd.m.	cir.q	cq
12	Renfrew	r.cd.d.	ir.c	cm.c	cdr.c
	Eskdalemuir	bccid.	cpr.c	crr	crc
13A	Tiree	cpr	c	cbc	corr
13B	Stornoway	c.or.r	cpr	cir	orrRr
15	Dalwhinnie	q	c	*	r
	Aberdeen	bbc	bcyc	bbc	bcc
	Wick	cpr.bc	cr.rc	c	cpr.c
16	Lerwick	bccpr	cpr.	corr	corrc
17	Blacksod Point	cdq	cq	rr	irq
18	Malin Head	ccrc	cq	c	ce
	Aldergrove	cir.c	cr	c	c
	Donaghadee	cpr.bc	bpr.c	bcc	cpr.
19	Birr Castle	cprc	cr.c	c	c
20	Valentia Obsy.	c	c	cp.c	cirir.c
	Roches Point	c	cp.c	cpc	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.
f_s, fog over sea (coast station).
f_g, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
k_s, storm of drifting snow.
k/s_o, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s_o/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

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

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.

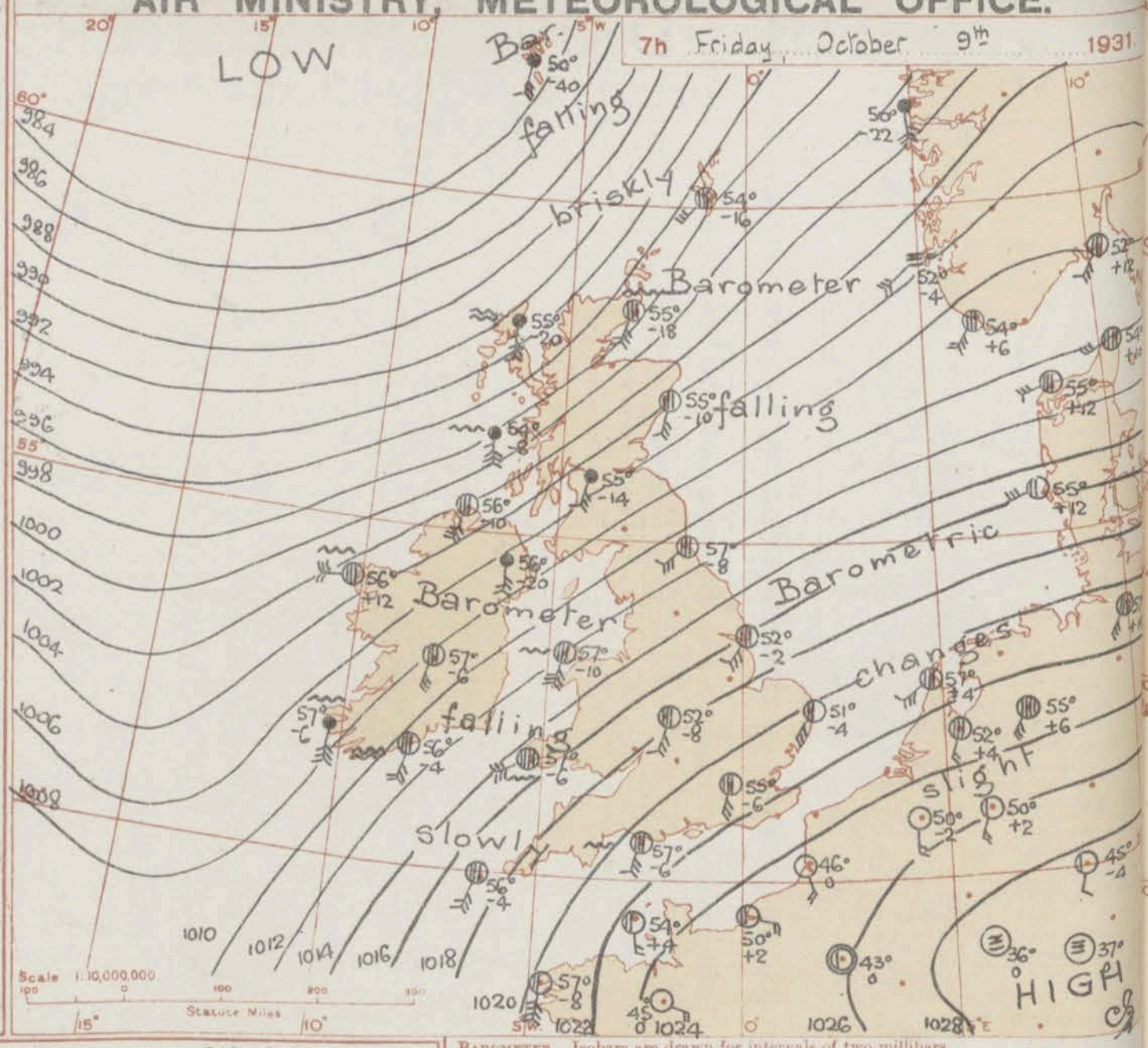
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 8th October 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 7th to 8th 9h. 8th	Temperature. Max. 9h.—17h. 8th	Rainfall. Night. 17h. 7th to 9h. 8th	Rainfall. Day. 9h.—17h. 8th	Sunshine. Sunrise to 17h. 8th	Sunshine. Sunrise to Sunset. 7th
1	Tunbridge W.	ocbc	bcc	45	63	Trace	–	2.9	7.4
	Bournemouth	coco	coco	49	64	1	–	3.9	8.3
	Ventnor ...	rbcb	bbc	52	62	0.5	–	7.0	7.7
	Southsea ...	oc	bbc	51	64	–	–	4.7	7.7
	Bognor Regis	bcc	bbc	52	63	1	–	5.1	7.3
	Littlehampton	bc	bc	48	62	–	–	7.1	7.6
	Worthing ...	bcc	bc	49	63	–	–	5.9	7.2
	Brighton ...	bc	bcc	51	62	–	–	5.2	6.8
	Eastbourne†	cbc	bcbbc	52	62	Trace	–	6.4	7.5
	Hastings† ...	cbcc	cbbcc	47	63	–	–	5.0	7.5
	Folkestone ...	wbcc	cbc	47	63	–	–	4.1	5.5
	Dover... ...	bcc	cb	50	63	–	–	3.4	5.0
	Deal	bcbc	b	49	65	–	–	5.4	4.7
	Ramsgate ...	bccbc	bc	48	65	–	0.6	5.3	5.5
	Margate ...	bccp	bc	48	66	–	0.2	5.3	5.5
2	Southend ...	cor	cbcb	48	63	Trace	0.1	2.1	6.7
	Maldon ...	cbc	bc	46	65	–	–	3.6	6.8
	Clacton-on-Sea	cbc	bc	48	65	–	–	4.5	7.2
	Dovercourt ...	bc	bc	46	65	–	–	4.2	5.5
	Lowestoft ...	bc	bcb	45	62	Trace	–	5.9	5.6
	Skegness ...	obc	bcm	45	64	Trace	–	2.0	6.1
	Mablethorpe	c	cbc	46	64	0.5	–	2.0	5.7
	Cleethorpes ...	c	cbc	46	64	Trace	Trace	2.8	5.8
3	Leamington S.	c	c	45	63	–	–	2.7	7.4
4	Cheltenham†	cbc	cbc	47	60	1	Trace	0.2	6.3
5	Bath	rc	cbcc	49	63	1.3	0.5	1.1	6.0
	Weymouth ...	cb	b	54	65	–	–	7.9	9.9
	Jersey ...	rcbc	bcc	54	63	1	–	8.7	9.5
	Torquay ...	bc	cbcb	50	64	–	–	4.4	8.2
	Penzance ...	cb	bc	54	64	–	–	6.2	7.6
	St. Ives ...	c	b	49	63	–	–	4.6	7.2
	Bude	dcbc	bc	52	60	0.4	–	1.3	8.1
	Ilfracombe ...	oco	ocbc	55	60	–	–	1.6	5.9
6	Aberystwyth	mrc	c	49	58	1	–	0.0	7.0
7	Llandudno ...	bc	bcc	49	62	2	–	4.2	6.3
	Colwyn Bay...	bcb	bcobc	47	64	2	–	3.5	7.2
	Rhyl	bc	bccpl	48	67	3	Trace	4.0	8.3
8	Wallasey ...	cbcb	bccrc	48	60	1	0.3	3.2	7.7
	Southport‖ ...	oc	cobco	50	61	3	0.1	1.7	6.3
	Blackpool ...	c	c	51	62	1	–	0.6	6.4
	Morecambe ...	dpcb	bcdpc	52	59	Trace	0.3	0.4	7.6
9	Ilkley... ...	cpo	cp	46	59	1	0.5	0.1	6.2
10	Berwick-on-T.	bc	bc	46	60	–	–	3.8	8.7
11	Dunbar ...	bc	bcp	47	60	–	Trace	2.6	7.1
12	Douglas ...	cbbc	cbc	48	62	–	–	4.8	9.8

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with the wind. Number of feathers indicate Beaufort force. Calm. - ⊙
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :—
○ Clear sky. ◐ Sky less than 1/10 clouded. ◔ Sky 1/10 to 5/10 clouded. ◕ Sky 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 Oct. 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Fresh or strong southerly winds; mainly cloudy at first, bright intervals and occasional showers later; becoming cool.
4. W. Midlands 5. S.W. England ▼ 6. South Wales ▼ 7. North Wales ▼ 8. N.W. England ▼	Strong or gale southerly winds veering northwesterly and remaining strong to gale; some rain followed by showers and bright intervals; becoming cool.
9. N. Midlands 10. N.E. England ▼ 11. S.E. Scotland ▼	Fresh or strong southerly winds veering and being stronger at times; some rain followed by showers and bright intervals; becoming cool.
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 ▼	As 4 - 8.

GENERAL INFERENCE.

A deep depression centred to the northwest of Scotland is moving eastward. Weather will be unsettled generally with strong winds and some rain and showers in most districts.

FURTHER OUTLOOK.

Bright intervals, showers; cool.

Times of issue of Gale Warnings.

▼ South cone at 1845 on 8th in districts 13B, 15, 16 and 17.
▼ South cone at 0805 on 9th in districts 5, 6, 7, 8, 10, 11, 12, 13A, 18, 19, 20.

Forecasts issued at 0930 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2. Pk 305/1931. Wt. 15 2,600 6a 905 11000 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.

(0) = 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 9th October 1931.

No. 25523

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1022.8	0	SW	2	bc	54	95	7	5	2	-	1	2.3	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1022.9	-4	SWS	3	b	56	95	8	-	4	-	0	Tr.	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1023.3	-2	SW	3	b	52	95	8	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1020.4	0	WSW	3	b	55	95	6	-	-	-	0	0	-
	Cranwell ...	240	1018.8	+2	SW	5	bc	64	85	6	-	3	-	0	2.3	-
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	1022.0	-2	SW	4	bc	58	85	8	4	-	-	2.3	2.3	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1020.8	-10	SWS	5	q	56	95	8	5	-	-	4.6	4.6	4000
	Scilly (St. Mary's)	163	1020.0	-14	SSW	6	bc	56	95	7	5	-	-	4.6	4.6	4000
	Guernsey ...	175	1023.6	-8	-	0	o	56	95	7	5	-	-	10	10	1500
6	Pembroke ...	142	1016.9	-10	SW	5	bc	57	95	8	5	-	-	4.6	4.6	1500
7	Holyhead ...	26	1014.4	-14	SSW	5	c	58	96	6	5	-	-	10	10	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1017.9	0	SWW	4	c	52	95	7	5	2	-	4.6	7.8	2500
	Tynemouth ...	67	1012.3	-2	SW	4	o	58	75	7	5	-	-	10	10	1500
11	Inchkeith ...	190	1009.2	-2	WSW	4	c	56	95	8	5	8	-	4.6	7.8	4000
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	998.5	-14	SSW	7	c	56	95	7	9	7	-	7.8	10	1500
15	Dalwhinnie ...	1178	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1001.8	-8	SSW	5	c	55	85	8	8	1	-	7.8	10	1500
16	Lerwick ...	54	999.7	-16	SW	3	c/r	54	95	7	6	2	-	4.6	9+	1500
17	Blacksod Point	18	1002.3	-24	SW	9	iR	56	95	6	6	-	-	10	10	<150
18	Malin Head ...	52	1003.9	-22	S	6	c	57	85	7	5	1	-	4.6	10	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1008.4	-20	SW	6	q	56	95	6	5	-	-	10	10	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 9th October — 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 8th Hrs. (36)
London (Kew)...	1020.9	-6	S	2	c	55	95	7	5	3	-	4.6	9+	1500	1	*	63	52	47	~1	-	2.4
Croydon	1021.3	-6	S'W	3	c	55	95	6	5	3	7	7.8	9+	800	1	*	64	53	49	1	Tr	2.5
S. Farnborough	1021.0	-4	S	2	bc	54	95	8	5	3	2	4.6	7.8	2500	1	*	65	50	40	Tr	-	2.2
Winchester	1020.8	-10	S	2	c	54	95	7	5	2	-	9+	10	800	1	*	63	49	45	Tr	0.3	1.4
Boscombe Down	1020.9	-6	S	2	c	51	95	7	5	-	2	7.8	9+	450	1	*	62	49	44	Tr	Tr	*
Calshot, (S'thmtn)	1021.2	-8	S	4	c	57	95	8	8	4	-	4.6	7.8	2500	1	1	63	55	51	-	0.1	4.5
Dungeness	*	*	SSW	4	bc	*	*	7	8	4	*	4.6	4.6	2500	*	2	64	56	*	-	-	*
Lympne	1022.2	0	SW'S	3	c	54	95	6	6	5	-	9+	9+	1500	1	*	62	51	48	-	Tr	4.6
Shoeburyness	1021.8	-2	SSW	3	bc	53	95	5	7	6	5	2.3	2.3	2500	1	*	64	49	38	Tr	-	3.8
Felixstowe	1021.7	0	SSW	3	bc	55	95	7	-	4	1	-	2.3	-	0	1	65	52	46	-	-	4.6
Gorleston	1020.2	-4	SW	3	bc	51	95	6	-	8	-	0	4.6	-	0	2	63	51	49	-	-	7.8
Cranwell	1017.8	-4	S'W	3	bc	52	95	8	0	4	2	0	4.6	-	0	*	65	51	48	-	-	4.1
Cardington	1019.4	-8	SSW	4	bc	53	95	7	5	-	8	1	4.6	4000	*	*	*	*	*	*	*	*
Birmingham	1017.7	-8	SSW	4	c	52	95	8	5	-	-	7.8	7.8	800	1	*	62	50	49	0.6	-	3.2
Upper Heyford	1019.9	-6	SSW	3	c	52	95	6	5	-	4	7.8	7.8	450	1	*	60	51	46	1	-	*
Leafield	1019.0	-8	S'W	4	c	52	95	8	5	8	6	4.6	9	800	1	*	59	49	41	3	0.1	0.1
Ross-on-Wye	1018.4	-8	SSW	4	c	54	85	7	6	1	8	7.8	9+	2500	1	*	61	53	50	0.2	-	0.7
Portland Bill	1020.1	-6	SSW	4	c	57	85	8	4	6	1	4.6	7.8	2500	0	4	60	57	*	-	-	*
Plymouth	1019.5	-4	SSW	5	c	57	95	8	9	-	1	9	9+	1500	0	3	61	56	53	Tr	-	2.5
Falmouth	1017.9	-4	SW'S	6	q	56	95	8	5	1	-	4.6	7.8	4000	0	3	61	56	*	-	-	6.3
Scilly (St. Mary's)	1017.8	-4	SSW	5	q_c	56	95	7	2	7	2	1	7.8	4000	0	3	61	55	*	-	-	6.3
Guernsey	1022.0	+4	SSE	2	bc	54	95	4	8	3	-	4.6	4.6	2500	1	3	63	53	48	-	0.1	7.7
Pembroke	1015.3	-6	WSW	6	cjp	57	95	7	3	-	-	10	10	4000	0	4	60	51	*	Tr	-	1.0
Holyhead	1012.3	-10	SSW	6	q	57	95	6	6	1	-	9	10	800	1	4	62	56	54	-	-	5.1
Chester (Sealand)	1014.8	-6	SSW	3	c	57	75	8	5	2	-	7.8	9	1500	1	*	66	55	51	Tr	-	5.5
L'pool (Bidston)	1014.5	-4	SSW	4	c	56	75	9	8	-	-	9+	9+	1500	0	*	62	55	53	0.2	-	2.6
Harrogate	1014.5	-10	S'W	4	bc	55	85	7	3	7	2	1	4.6	2500	1	*	59	54	49	1	-	0.3
Spurn Head	1016.8	-2	SW	4	c	52	95	7	4	3	-	4.6	7.8	2500	0	3	61	52	*	-	-	2.4
Tynemouth	1010.8	-8	SW	4	c	57	75	7	9	-	-	7.8	7.8	1500	0	2	60	56	49	-	-	*
Inchkeith	1005.8	-16	WSW	4	c	57	95	8	5	1	-	4.6	9+	2500	0	2	58	55	53	1	-	1.1
Leuchars	1005.7	-12	SW	5	c	57	85	8	6	7	-	9	9+	1500	0	*	59	56	52	Tr	Tr	5.6
Renfrew	1005.7	-14	SSW	4	ir_o	55	85	7	6	2	-	9+	10	1500	1	*	58	54	52	1	0.5	0.0
Eskdalemuir	1008.0	-14	SW'S	7	c	54	85	6	5	-	-	10	10	1500	1	*	55	52	52	2	4.0	0.1
Tiree	998.5	-8	S	7	$r_o r_o$	54	95	6	6	2	-	7.8	10	1500	1	5	57	54	52	0.4	3.0	0.1
Stornoway	992.7	-20	S	8	$d_o d_o$	55	95	6	6	-	-	10	10	1500	2	5	57	54	*	2	12.0	1.5
Dalwhinnie	1002.9	-22	SE	8	r	52	85	5	6	2	-	4.6	10	450	1	*	55	51	42	1	2.0	5.0
Aberdeen	1004.0	-10	SSW	4	o	55	85	7	5	-	-	10	10	1500	0	1	61	55	52	-	-	6.0
Wick	997.4	-18	SSW	5	c/pr	55	85	8	8	1	8	4.6	10	1500	1	4	55	53	*	1	0.1	*
Lerwick	998.1	-16	SW	3	c	55 [4]	85	8	5	-	-	9+	9+	1500	1	*	52	48	*	Tr	4.0	4.2
Blacksod Point	1003.1	+12	W	5	c	56	85	7	5	-	-	9+	9+	-	1	4	60	55	*	0.3	10	*
Malin Head	1000.6	-10	SSW	6	c	56	95	7	6	-	-	9+	9+	800	0	3	61	55	*	2	-	0.6
Aldergrove	1006.1	-20	S	5	id_o	56	85	7	6	2	-	9	10	800	1	*	59	54	49	0.6	Tr	0.4
Donaghadee	1007.1	-12	WSW	3	c/pr	56	85	7	5	2	-	7.8	9	2500	1	2	64	55	*	1	0.2	*
Birr Castle	1008.0	-6	SSW	3	c	57	85	7	6	1	-	7.8	10	1500	1	*	63	56	52	Tr	-	2.2
Valentia Obsy.†	1007.6	-6	S	6	ir	57	95	6	6	-	-	10	10	800	1	4	61	57	55	-	5	0.5
Roches Point	1011.2	-12	SW	5	c	57	95	8	3	-	-	7.8	7.8	1500	0	5	60	56	*	Tr	0.2	*

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	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	crm$_o$c	becm$_o$	bebew	63	52	47	-	-	2.4	•	•	7
Croydon ...	217	cr$_o$rm$_o$	cbc	cmpwbm	64	53	49	1	Tr	2.5	•	•	7
Greenwich (Royal Observatory) ...	149	rc	ebc	bcpbw	66	52	41	Tr	Tr	2.9	40	83	6
City (Bunhill Row) ...	—	•	•	•	•	•	•	•	•	1.5	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	63	53	48	0.3		2.4	69	81	•
Regents Pk. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	•	1.7	•	•	•
Camden Square ...	110	cr	c	•	63	53	48	Tr	7 [0.1]	•	•	84	•
Kensington ...	80	bc	odbc	•	64	52	43	-	3	2.1	At 18h. 82	85	•
Hampstead Observatory ...	450	orbe	o	•	62	49	44	1	Tr	3.4	•	92	•

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

	Max.	Time.	Min.	Time.
South Kensington.	0.6	9+18hr 8th	Nil	0-4 9th
Kew Observatory.	0.2	18hr. 8th	<0.1	4hr 9th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 8th October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 9th October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris ...	1026.1	-	0	c	59	1025.8	-	0	bc	43	64	41	-	-
Brussels ...	1024.2	W'S	2	o	55	1025.0	S	2	b	50	61	46	0.3	-
Berlin ...	1019.2	W	5	bc	54	1023.6	SW'W	4	z	55	59	52	Tr.	-
Zürich ...	1028.3	NE	1	b	52	1028.0	NE	1	z°	41	66	39	-	-
Rome ...	1023.8	SW	3	b	68	1022.9	NE	2	b°	48	79	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.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 10th October 1931.

No. 25524.

OBSERVATIONS at 13h. G.M.T. 9th 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)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1019.8	-8	SW'S	4	c	62	65	8	7	-	6	2-3	9+	4000
	Croydon	1020.0	-14	SW'S	4	c	61	65	8	7	-	6	4-6	9	2500
	S. Farnborough	1019.5	-10	SSW	4	c	62	65	8	7	-	8	4-6	9+	2500
	Winchester	1019.5	-10	SW'W	4	c	60	65	8	7	-	6	4-6	9	2500
	Boscombe Down	1019.7	-10	SSW	5	c	61	65	7	7	-	2	7-8	9	1500
	Calshot, S'thmtn	1020.4	-10	SSW	4	c	62	75	8	8	-	6	4-6	7-8	2500
	Dungeness	*	*	SSW	4	bc	*	*	7	2	7	*	2-3	4-6	2500
	Lympne	1020.7	-12	SW	4	bc	61	75	8	1	-	2	1	4-6	2500
2	Shoeburyness	1020.4	-10	SSW	5	c	61	75	6	7	-	6	4-6	7-8	7200
	Felixstowe	1020.3	-14	S	4	bc	63	65	8	7	-	1	2-3	4-6	2500
	Gorleston	1019.2	-8	SW	4	c	60	85	6	8	9	-	4-6	7-8	2500
	Cranwell	1016.9	-10	SW'S	5	c	58	75	8	5	-	8	9	10	2500
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1017.1	-6	SSW	4	c	56	75	8	5	1	-	4-6	10	800
	Upper Heyford	1018.7	-6	SSW	3	c	58	75	7	5	2	-	7-8	10	800
	Leafield	1017.7	-10	SSW	5	c	57	75	9	5	1	-	2-3	9+	4000
4	Ross-on-Wye	1017.1	-14	SW	5	q	60	65	8	9	-	7	4-6	9+	4000
5	Portland Bill	1019.5	-6	SSW	4	bc	59	85	8	8	6	9	2-3	4-6	2500
	Plymouth	1018.8	-4	SSW	5	c	58	95	8	6	-	7	1	9+	1500
	Falmouth	1017.4	-2	SW'S	6	ir.	57	95	7	6	1	-	7-8	9	2500
	Scilly (St. Mary's)	1017.0	-2	SSW	5	c	59	95	7	5	7	-	7-8	9+	4000
	Guernsey	1020.6	-10	SSE	4	bc	62	75	8	-	1	1	0	2-3	-
6	Pembroke	1015.2	-4	SW	5	c	58	95	7	4	6	-	4-6	9+	1500
7	Holyhead	1012.0	-6	SSW	6	q	59	95	6	6	1	8	4-6	10	800
	Chester (Sealand)	1014.1	-8	SSW	3	c	59	75	8	5	2	-	7-8	10	2500
8	L'pool (Bidston)	1013.7	-10	SW	5	c	58	75	9	9	1	-	4-6	10	1500
9	Harrogate	1012.9	-6	S	6	c	58	75	6	3	-	8	4-6	7-8	2500
10	Spurn Head	1015.3	-2	SW'W	5	q	61	65	7	2	4	1	2-3	7-8	4000
	Tynemouth	1009.6	-12	SW	7	c	59	75	7	6	-	-	7-8	7-8	1500
11	Inchkeith	1005.6	0	WSW	5	pr	57	95	8	5	2	-	4-6	10	2500
	Leuchars	1004.9	0	SSW	5	r.r.	58	95	7	6	2	-	9+	10	800
12	Renfrew	1006.7	+18	WSW	4	r.r.	56	95	7	6	2	-	9	10	1500
	Eskdalemuir	1007.8	-2	SW'S	7	rr	54	95	6	6	2	-	10	10	1500
13A	Tiree	1003.2	+18	SW	5	c	55	85	7	8	2	-	4-6	9+	1500
13B	Stornoway	998.2	+20	SSW	4	c	55	75	8	6	7	8	4-6	9	1500
15	Dalwhinnie	1002.8	+6	SE	6	c	54	65	6	6	2	-	7-8	10	450
	Aberdeen	1002.7	-4	SSW	4	ir.	58	85	7	6	-	-	9+	9+	1500
	Wick	998.7	+10	SW	4	c	59	75	8	9	7	1	4-6	7-8	1500
16	Lerwick	995.5	+4	SW	3	c	55	85	7	8	-	-	7-8	7-8	1500
17	Blacksod Point	1007.3	+14	W	4	bc	58	85	8	-	8	-	0	4-6	-
18	Malin Head	1005.1	+18	SW	4	c	57	85	7	5	1	-	4-6	10	800
	Aldergrove	1007.3	+10	SSW	4	r.r.	55	95	7	6	2	-	7-8	10	1500
	Donaghadee	1007.6	+10	SSW	3	r.r.	56	95	7	6	-	-	9+	9+	800
19	Birr Castle	1009.4	+12	S	1	rr	56	95	7	6	-	-	10	10	1500
20	Valentia Obsy.	1010.9	+28	W'S	2	c/r	57	95	7	5	-	-	10	10	800
	Roches Point	1011.6	+4	SW	5	c	58	95	8	3	-	-	7-8	7-8	1500

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

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)	1019.4	+4	SW'S	3	c	57	75	6	-	7	-	0	9+	-	1	*
Croydon	1019.1	-4	SSW	3	c	56	85	7	-	2	6	0	9+	-	1	*
S. Farnborough	1018.9	-2	SSW	2	c	55	85	7	-	7	-	0	9+	-	1	*
Winchester	1019.3	+6	SSW	2	c	54	95	7	5	1	-	7-8	9	1500	1	*
Boscombe Down	1018.8	-2	SSW	3	c	54	95	7	7	1	-	2-3	9+	1500	1	*
Calshot, S'thmtn	1019.6	-4	S'W	3	c	57	85	7	-	-	6	0	9	-	0	1
Dungeness	*	*	SSW	2	c	*	*	7	5	7	*	2-3	7-8	1500	*	2
Lympne	1020.1	-2	SSW	3	c	54	85	6	-	2	7	0	9+	-	0	*
Shoeburyness	1019.5	0	SSW	3	c	55	95	7	5	2	-	4-6	10	5700	0	*
Felixstowe	1019.3	-6	S'W	4	c	58	75	8	4	2	2	1	10	2500	0	3
Gorleston	1018.5	+2	SSW	2	c	57	85	6	4	1	-	4-6	7-8	2500	0	2
Cranwell	1016.2	-2	SSW	3	c	56	85	8	5	2	8	2-3	10	4000	0	*
Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birmingham	1016.4	-2	SSW	3	c	56	85	8	6	2	-	7-8	10	1500	0	*
Upper Heyford	1018.0	+2	SSW	3	c	55	85	8	5	1	-	4-6	10	4000	0	*
Leafield	1017.2	-6	S'W	3	c	53	85	8	5	1	-	Tr.	9+	4000	1	*
Ross-on-Wye	1017.0	0	SW	4	c	56	85	8	5	1	-	9	9+	2500	1	*
Portland Bill	1018.4	-2	SSW	4	c	59	85	8	4	7	-	7-8	10	2500	0	3
Plymouth	1018.2	+2	SSW	4	c	58	95	7	6	1	-	9	9+	800	0	3
Falmouth	1017.0	0	SW	4	c	57	95	7	6	7	4	4-6	7-8	2500	1	2
Scilly (St. Mary's)	1017.4	+4	SSW	4	c	57	95	7	2	7	1	4-6	9+	4000	0	2
Guernsey	1019.6	-6	SSE	2	c0	59	85	8	5	-	-	10	10	2500	0	3
Pembroke	1016.3	0	SW	4	c	57	95	7	4	6	-	7-8	9+	2500	0	4
Holyhead	1012.7	+6	SW'S	5	rr	56	95	5	6	2	-	9	10	450	1	3
Chester (Sealand)	1014.6	+10	SW'S	3	c	59	65	8	5	2	-	7-8	10	2500	1	*
L'pool (Bidston)	1013.4	+2	W'S	5	q	58	65	8	5	2	-	7-8	10	1500	0	*
Harrogate	1012.6	0	S	5	c	56	75	6	-	2	7	0	10	-	1	*
Spurn Head	1015.1	0	SW'S	1	c	56	85	7	4	2	-	4-6	9+	2500	0	3
Tynemouth	1009.6	0	SW	6	0	57	85	7	6	-	-	10	10	1500	0	2
Inchkeith	1007.2	+14	SW	3	c	55	95	7	5	5	-	2-3	7-8	2500	0	2
Leuchars	1006.0	+10	SW	3	c	55	85	6	5	9	-	4-6	9	2500	1	*
Renfrew	1008.9	+16	W'S	3	c/pr	53	85	7	8	7	-	7-8	10	2500	1	*
Eskdalemuir	1009.1	+12	SW'W	5	ir	53	95	6	5	2	-	7-8	10	1500	1	*
Tiree	1006.8	+28	WSW	4	bc	53	(85)	7	5	6	-	2-3	2-3	2500	0	4
Stornoway	1001.5	+12	SW	4	bc	52	95	8	6	7	-	4-6	4-6	1500	1	2
Dalwhinnie	1005.0	+22	SE	1	c	52	65	6	6	-	-	7-8	7-8	450	1	*
Aberdeen	1004.8	+20	S	1	c	56	75	7	8	7	-	1	9	1500	0	1
Wick	1000.8	+12	SW	4	c	53	75	8	9	1	8	4-6	7-8	1500	0	2
Lerwick	996.6	+20	SW	4	c	53	85	6	3	-	1	7-8	9	1500	0	*
Blacksod Point	1011.8	+20	W	3	bc	55	75	8	2	-	3	1	4-6	1500	0	3
Malin Head	1008.8	+32	SW'W	4	bc	54	95	7	8	-	-	2-3	2-3	1500	0	3
Aldergrove	1010.4	+22	SSW	3	c/pr.	53	95	8	8	7	2	4-6	7-8	1500	1	*
Donaghadee	1010.1	+18	SSW	3	ir.	55	95	7	6	-	-	7-8	7-8	800	1	2
Birr Castle	1012.7	+20	SW	1	c	55	95	7	-	5	-	0	9	-	1	*
Valentia Obsy.	1014.6	+24	WNW	3	bc	55	85	8	8	3	-	2-3	2-3	1500	1	3
Roches Point	1012.5	+8	W	2	c/r	56	95	8	3	-	-	7-8	7-8	1500	1	3

PAST 24 HOURS.

Stations	Weather. 7h.–13h. 9th (37)	13h.–18h. 9th (38)	18h. 9th to 1h. 10th (39)	1h.–7h. 10th (40)
London (Kew)	cwc	c c3.	cbcw	bcwm.
Croydon	c	c	cm.	cbwbcm.
S. Farnborough	bcodc	vc	cb-c	c
Winchester	cq	c	cbbcc	cff
Boscombe Down	c	c	c	cdm
Calshot, S'thmtn	bc	c	c	cbc
Dungeness	bc	bc	*	bc
Lympne	bc	bccm.	bc	cbcm.w
Shoeburyness	bc	bcc	c	cbcm.w
Felixstowe	bwcbc	bcc	c	bcm.w
Gorleston	bccq	cq	cbcb	bccw
Cranwell	bcc	c	c	probm
Cardington	*	*	*	cm.
Birmingham	c	c	c	c
Upper Heyford	cr.c	c	c	rrr.d.
Leafield	c	c	cbcw	cofd
Ross-on-Wye	c	c	ccd.o	oco
Portland Bill	cbc	bcc	c	cbcw
Plymouth	bcc	cm jp	cbo	ocr.
Falmouth	cir.q	cr.q	c	cd.bc
Scilly (St. Mary's)	c	c	c	cpbc
Guernsey	bc	bcco	bc	bcW
Pembroke	bcq3.	c	chr	bcbw
Holyhead	prm.q	rrq m.	rrbcb	b
Chester (Sealand)	cqc	c	cid.	bcm
L'pool (Bidston)	vccv	vccq	rrc	bcbW
Harrogate	cbcq	bccq	c	cp.b
Spurn Head	cq	cqc	bc	crbcz
Tynemouth	cq	coq	oir.ob	bbc
Inchkeith	cpr	corrc	pr.bc	bc
Leuchars	cir.rq	cir.c	cm.bw	bw
Renfrew	orrc	cr.c	cb	bbw
Eskdalemuir	crr	crrRir	cirbc	bccif
Tiree	irc	cbc	bcb	bc
Stornoway	c	cpr	bccPR	cbc
Dalwhinnie	r	r	*	r
Aberdeen	cir.	c	bcb	bw
Wick	irPR	cbc	bc	bc
Lerwick	c	c	cir.	cir.bcy
Blacksod Point	id	c	bc	bc
Malin Head	c	cbc	bcp.b	b
Aldergrove	cr.rr	rcpr.	cbcb	bcom.
Donaghadee	cr.r.	cir.	ir.bcb	bw
Birr Castle	corrrr	orr.c	cbcb	bbx
Valentia Obsy.	crrr.crr	cprbc	bcbw	bw.
Roches Point	c	r.r.c	cbcw	bcw

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
f_s, fog over sea (coast station).
f_g, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
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.

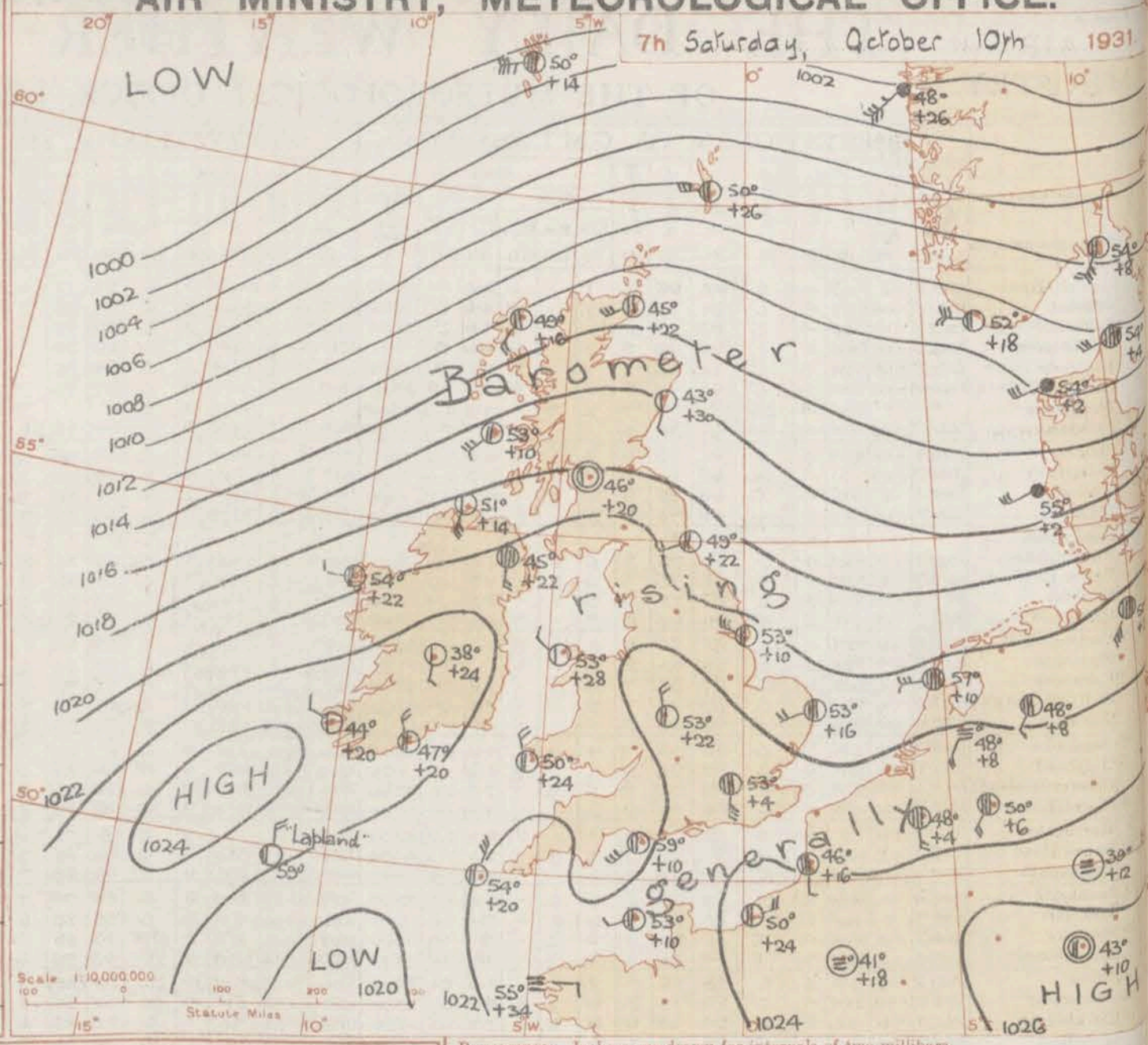
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 9th October 1931.

District	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 8th to 9h. 9th	Temperature. Max. 9h.—17h. 9th	Rainfall. Night. 17h. 8th to 9h. 9th	Rainfall. Day. 9h.—17h. 9th	Sunshine. Sunrise to 17h. 9th	Sunshine. Sunrise to Sunset. 8th
1	Tunbridge W.	bc	bc	51	62	Tr	-	5.7	2.9
	Bournemouth	c	c	54	62	-	-	5.8	3.9
	Ventnor ...	rb	bbcu	56	62	1	-	8.6	7.0
	Southsea ...	b	bbc	55	64	-	-	8.6	4.7
	Bognor Regis	b	bbc	55	61	-	-	7.8	5.1
	Littlehampton	bc	bc	55	62	-	-	8.6	7.1
	Worthing ...	bbc	bbcc	57	64	-	-	8.4	5.9
	Brighton ...	bc	bc	58	62	-	-	7.5	5.2
	Eastbourne†	bcb	bbc	56	65	-	-	8.0	6.4
	Hastings† ...	b	bbc	55	63	-	-	7.3	5.0
	Folkestone ...	wb	bbc	53	64	-	-	8.3	4.1
	Dover... ...	bc	bc	56	62	-	-	7.7	3.4
	Deal	b	b	52	63	-	-	6.5	5.4
	Ramsgate ...	bcb	bbc	53	63	-	-	7.9	5.3
	Margate ...	bc	bc	53	65	-	-	7.1	5.3
2	Southend ...	b	bc	54	64	Tr	-	4.7	2.1
	Maldon ...	bcb	bc	49	66	-	-	3.8	3.6
	Clacton-on-Sea	bcwbc	bcc	52	63	-	-	6.5	4.5
	Dovercourt ...	bc	bc	50	64	-	-	6.3	4.2
	Lowestoft ...	cb	cbc	51	60	-	-	2.8	5.3
	Skegness ...	bcbm	bco	51	62	-	-	3.2	2.0
	Mablethorpe	bcc	co	51	63	-	-	3.2	2.0
	Cleethorpes ...	bc	co	53	61	-	-	3.2	2.8
3	Leamington S.	c	c	52	60	-	-	0.3	2.7
4	Cheltenham†	oc	co	57	60	-	-	0.2	0.2
5	Bath	cbc	bcc	55	62	-	-	2.1	1.1
	Weymouth ...	b	bc	56	64	-	-	5.3	7.3
	Jersey ...	bc	bcc	55	64	-	-	8.7	8.7
	Torquay ...	pcbc	co	53	62	Tr	-	2.0	4.4
	Penzance ...	bcc	c	56	61	-	-	1.1	6.2
	St. Ives ...	c	c	55	59	-	-	0.1	4.6
	Bude	bcp	bc	53	61	-	Tr	1.5	(1.3)
	Ilfracombe ...	bcop	coc	54	61	-	0.5	1.6	1.6
6	Aberystwyth	c	c	55	59	-	-	0.1	0.0
7	Llandudno ...	c	c	56	62	-	-	0.2	4.2
	Colwyn Bay...	oco	oc	55	60	-	-	0.2	3.5
	Rhyl	c	c	53	61	-	-	0.0	4.0
8	Wallasey ...	c	c	51	60	-	-	0.0	3.2
	Southport‖ ...	oco	o	56	60	-	-	0.0	1.7
	Blackpool ...	co	od	56	59	0.1	Tr	0.0	0.6
	Morecambe ...	dpc	proro	55	60	1	1	0.0	0.4
9	Ilkley... ...	bcc	beco	53	60	Tr	-	1.2	0.1
10	Berwick-on-T.	oro	oro	52	58	0.2	0.4	0.0	3.8
11	Dunbar ...	bc	bcp	54	61	-	1	0.4	2.6
12	Douglas ...	oRm	oRq	55	57	1	10	0.0	4.8

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with the wind. Number of feathers indicate Beaufort force. Calm. - ⊙
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :—
○ Clear sky. ◐ Sky less than 1/10 clouded. ◐ Sky 1/10 to 5/10 clouded. ◐ Sky 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. 10th Oct. 1931.

District	Forecast
1. S.E. England 2. E. England 3. E. Midlands	Moderate variable to southwesterly winds; mainly fair; mild.
4. W. Midlands 5. S.W. England 6. South Wales	Moderate variable to fresh southwesterly winds; mainly cloudy; mild.
7. North Wales 8. N.W. England 9. N. Midlands	Moderate variable to fresh southwesterly winds; mainly cloudy, perhaps some rain later; mild
10. N.E. England 11. S.E. Scotland	Moderate westerly to fresh or strong southwesterly winds; mainly cloudy, perhaps some rain later; mild.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands. 17. N.W. Ireland 18. N.E. Ireland	Fresh to strong southwesterly to westerly winds, stronger locally; cloudy, some rain followed by showers; mild today, cooler tomorrow.
19. S.E. Ireland 20. S.W. Ireland	Winds becoming fresh or strong southwesterly, veering; cloudy, perhaps some rain today, showers tomorrow; mild today, cooler tomorrow.

GENERAL INFERENCE.

An intense depression near Iceland is likely to move quickly east-north-eastward. Unsettled conditions with strengthening winds are expected in the West and North of the British Isles but mainly fair weather is probable in Southern and Eastern England.

FURTHER OUTLOOK.

Unsettled in the North and West of the British Isles; mainly fair in Southeastern and Eastern England.

Time of Issue of Gale Warnings.

South cone at 1845 on 8th in districts 13, 15, 16 and 17.
South cone at 0805 on 9th in district 20.

Forecasts issued at 0930 G.M.T.

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 10th October 1931.

No. 25524

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1019.8	0	SSW	3	c	56	95	7	-	3	-	0	7-8	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1020.1	+2	SW'S	2	c	58	85	8	5	-	8	2-3	7-8	4000
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1020.2	0	WSW	2	bc	55	95	8	-	-	7	0	4-6	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1019.0	+6	SW	3	b	53	95	6	-	-	-	0	0	-
	Cranwell ...	240	1017.4	+8	SW	4	c	53	95	7	5	1	8	1	9	4000
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1019.6	+2	SW'S	4	c	59	85	8	4	6	-	4-6	7-8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1019.2	+4	W	1	c	57	95	7	5	-	-	9	9	4000
	Scilly (St. Mary's)	163	1019.6	+12	SW'W	3	c	57	95	7	5	-	-	7-8	7-8	4000
	Guernsey ...	175	1020.8	+10	SW	1	bc	57	95	8	8	-	-	4-6	4-6	2500
6	Pembroke ...	142	1017.9	+16	NNW	2	bc	55	95	8	3	6	1	2-3	4-6	2500
7	Holyhead ...	26	1017.3	+22	NW'N	4	b	55	95	8	-	-	-	0	0	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1015.0	+2	WSW	4	c	55	85	7	3	2	-	4-6	9+	1500
	Tynemouth ...	67	1013.4	+24	W	2	b	52	85	7	-	-	-	0	0	-
11	Inchkeith ...	190	1013.0	+14	WSW	4	bc	52	95	8	5	4	-	2-3	4-6	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1009.8	+28	W	3	c	49	95	7	3	-	-	9+	9+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1007.0	+20	WSW	4	bc	48	75	8	8	4	-	2-3	4-6	2500
16	Lerwick ...	54	1001.9	+40	WSW	5	ir	51	75	6	6	-	-	7-8	7-8	1500
17	Blacksod Point	18	1018.2	+24	W	1	b	52	85	7	-	-	-	0	0	-
18	Malin Head ...	52	1015.8	+22	W	3	b	52	95	8	5	-	-	1	1	4000
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1020.7	+14	W	4	b	58	95	8	5	-	-	1	1	2500
	Roches Point ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 10th 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) ...	1022.3	+14	SW	1	bc	53	95	6	-	3	9	0	7-8	-	1	*
	Croydon ...	1022.0	+4	S	3	bc	53	95	6	-	7	9	0	4-6	-	1	*
	S. Farnborough	1022.4	+18	S	1	bc	53	95	7	5	-	-	9+	9+	2500	1	*
	Winchester ...	1022.5	+20	S	2	f-	52	95	3	5	-	-	9+	9+	4000	1	*
	Boscombe Down	1022.2	+10	SSE	2	f	52	95	4	5	-	-	9+	9+	2500	1	*
	Calshot, (S'thmtn)	1022.4	+14	SW'S	2	c	55	95	7	5	6	9	4-6	7-8	4000	0	1
	Dungeness ...	*	*	SW'S	1	bc	*	*	7	7	8	*	2-3	4-6	2500	*	0
	Lympne ...	1022.6	+18	Vl	2	bc	53	95	6	-	-	1	0	2-3	-	1	*
2	Shoeburyness	1022.4	+20	SW	1	c	54	95	5	5	3	6	4-6	7-8	4000	1	*
	Felixstowe ...	1021.7	+16	SSW	2	bc	54	95	6	5	-	1	4-6	4-6	4000	0	1
	Gorleston ...	1020.5	+16	W'S	3	c	53	95	6	5	-	-	7-8	7-8	4000	0	2
	Cranwell ...	1021.5	+30	W'S	2	m	50	95	4	5	-	-	Tr	Tr	1500	1	*
3	Cardington ...	1021.5	+16	W'S	2	c	54	95	6	5	-	-	10	10	4000	*	*
	Birmingham ...	1022.2	+22	NNW	2	bc	53	95	6	5	3	-	2-3	4-6	800	0	*
	Upper Heyford	1021.9	+18	SSW	1	d. do	53	95	4	5	-	-	9+	9+	4150	1	*
	Leafield ...	1021.6	+20	WSW	1	o	52	95	6	5	-	-	10	10	450	1	*
4	Ross-on-Wye ...	1021.7	+16	N'W	1	o	55	95	6	5	-	-	10	10	800	1	*
5	Portland Bill ...	1021.7	+10	SW	3	bc	59	95	8	2	6	9	2-3	4-6	2500	0	3
	Plymouth ...	1022.2	+20	NNW	1	c/r	57	95	7	6	6	-	9+	9+	800	1	0
	Falmouth ...	1022.4	+16	N	2	bc	55	95	7	5	3	-	4-6	4-6	4000	1	1
	Scilly (St. Mary's)	1022.7	+20	NEN	3	bc	54	95	7	2	-	-	2-3	2-3	4000	1	2
	Guernsey ...	1023.0	+20	WSW	2	bc	53	95	7	2	4	1	1	2-3	2500	0	3
6	Pembroke ...	1021.0	+24	NNW	2	bc	50	95	8	2	-	-	2-3	2-3	4000	1	1
7	Holyhead ...	1021.7	+28	NW	1	bc	53	95	6	5	-	-	1	1	800	1	1
	Chester (Sealand)	1022.0	+22	WNW	1	bc	43	95	4	5	-	-	2-3	2-3	2500	1	*
8	L'pool (Bidston)	1021.6	+14	WNW	3	bc	51	95	8	7	-	-	2-3	2-3	2500	0	*
9	Harrogate ...	1020.8	+20	SSW	3	b	47	95	8	-	-	-	0	0	-	1	*
10	Spurn Head ...	1020.1	+10	WNW	3	bc	53	95	5	5	-	-	2-3	2-3	800	1	2
	Tynemouth ...	1018.7	+22	W	2	bc	49	95	6	5	-	-	2-3	2-3	1500	0	2
11	Inchkeith ...	1017.9	+18	WSW	3	bc	50	95	7	5	5	-	2-3	2-3	2500	0	2
	Leuchars ...	1017.1	+30	WSW	3	bc	44	95	8	-	-	1	0	Tr	-	1	*
12	Renfrew ...	1018.8	+20	-	0	b	46	95	7	2	-	-	Tr	Tr	4000	1	*
	Eskdalemuir ...	1020.5	+24	SE'S	2	f	41	95	4	5	-	-	9	9	2150	1	*
13A	Tiree ...	1016.5	+10	SW	4	bc	53	85	7	5	7	-	2-3	2-3	2500	0	3
13B	Stornoway ...	1012.1	+16	SW	2	bc	49	85	8	4	7	-	2-3	4-6	2500	1	2
15	Dalwhinnie ...	1017.1	+20	NE	1	bc	45	95	8	3	-	-	4-6	4-6	800	1	*
	Aberdeen ...	1016.4	+30	SSW	1	bc	43	85	8	-	4	1	0	1	-	1	0
	Wick ...	1012.8	+22	WSW	3	bc	45	85	8	5	4	-	2-3	4-6	2500	0	2
16	Lerwick ...	1008.2	+26	W	3	bc	50	55	8	5	4	-	2-3	4-6	1500	0	*
17	Blacksod Point	1019.9	+22	W	1	bc	54	85	8	5	-	-	4-6	4-6	800	0	2
18	Malin Head ...	1018.9	+14	SSW	3	b	51	85	7	5	-	-	1	1	2500	0	2
	Aldergrove ...	1020.7	+22	S	2	o	45	95	5	5	-	-	10	10	800	1	*
	Donaghadee ...	1020.5	+18	SW	2	b	45	95	7	-	-	-	0	0	-	1	1
19	Birr Castle ...	1023.0	+24	S	1	b	38	95	7	5	-	-	1	1	1500	1	*
20	Valentia Obsy.†	1023.8	+20	NNW	1	b	44	95	8	5	-	-	1	1	1500	1	3
	Roches Point ...	1022.4	+20	N	2	bc	47	95	7	5	-	-	2-3	2-3	1500	1	2

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine Hrs. (36)
1	London (Kew) ...	62	52	46	-	-	2.8
	Croydon ...	63	52	49	-	Tr	4.1
	S. Farnborough	63	49	36	Tr.	-	4.9
	Winchester ...	62	46	40	-	-	5.4
	Boscombe Down	62	50	43	-	0.1	*
	Calshot, (S'thmtn)	62	53	47	-	-	4.4
	Dungeness ...	62	56	*	-	-	*
	Lympne ...	61	52	44	Tr.	Tr	4.8
2	Shoeburyness	64	49	44	-	-	5.9
	Felixstowe ...	63	53	46	-	-	6.8
	Gorleston ...	63	51	48	-	Tr	5.2
	Cranwell ...	60	50	47	-	0.1	2.4
3	Cardington ...	*	*	*	*	*	*
	Birmingham ...	57	52	48	-	-	0.2
	Upper Heyford	59	50	47	Tr.	1	*
	Leafield ...	58	48	39	-	0.4	1.3
4	Ross-on-Wye ...	61	55	53	-	Tr	0.5
5	Portland Bill ...	60	58	*	-	-	*
	Plymouth ...	60	57	54	-	Tr	1.3
	Falmouth ...	58	55	*	0.1	0.2	0.6
	Scilly (St. Mary's)	60	54	*	-	2	1.3
	Guernsey ...	62	52	45	-	-	8.0
6	Pembroke ...	58	50	*	-	2	0.2
7	Holyhead ...	59	53	46	5	4	0.0
	Chester (Sealand)	61	43	37	-	Tr	0.0
8	L'pool (Bidston)	59	50	47	-	3	0.0
9	Harrogate ...	58	46	39	-	Tr	0.6
10	Spurn Head ...	62	52	*	-	0.1	4.2
	Tynemouth ...	59	48	43	-	0.2	*
11	Inchkeith ...	59	50	46	1	Tr	0.5
	Leuchars ...	59	42	35	1	-	0.0
12	Renfrew ...	58	46	35	2	-	0.0
	Eskdalemuir ...	54	39	34	27	0.1	0.0
13A	Tiree ...	56	50	41	0.5	-	2.3
13B	Stornoway ...	57	46	*	2	1	1.4
15	Dalwhinnie ...	54	44	37	2	5	0.4
	Aberdeen ...	58	42	36	Tr.	-	-
	Wick ...	53	44	*	2	-	*
16	Lerwick ...	57	49	*	-	1	1.4
17	Blacksod Point	60	50	*	0.2	-	*
18	Malin Head ...	57	51	*	-	Tr	1.6
	Aldergrove ...	57	43	35	5	Tr	0.0
	Donaghadee ...	57	44	*	6	0.4	*
19	Birr Castle ...	57	38	29	9	-	0.1
20	Valentia Obsy.†	59	42	36	9	0.1	1.0
	Roches Point ...	59	45	*	6	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	cwc	cc7.	cbcwm	62	52	46	-	-	2.8	•	•	6
Croydon ...	217	c	c	cm.bwm	63	52	49	-	Tr	4.1	•	•	6
Greenwich (Royal Observatory) ...	149	cy.	c ⊕	cw	65	51	41	-	Tr	4.0	65	88	5
City (Bunhill Row) ...	—	•	•	•	•	•	•	•	•	4.1	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	63	54	49	-	-	4.2	55	83	•
Regents Pk. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	•	3.2	•	•	•
Camden Square ...	110	c	c	•	64	54	47	-	-	•	At 18h. 81	84	•
Kensington ...	80	bc	bc	•	64	53	43	-	-	4.0	•	90	•
Hampstead Observatory ...	450	cbc	bc	bc	62	50	45	-	Tr	3.0		95	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.
0.8	21hrs 9th	N.1	11-13hr 9th

Kew Observatory Max.	Time.	Min.	Time.
0.2	21hr 9th	<0.1	3hr 10th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 9th October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 10th October 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 ...	1021.1	ESE	2	bc	54	1024.9	-	0	bc	41	66	41	-	-
Brussels ...	1021.5	SW	1	bc	54	1023.5	S	2	c	48	64	45	-	-
Berlin ...	1024.9	SSW	1	b	55	1021.9	S	2	bc	48	63	45	-	0.1
Zurich ...	1026.3	S	1	b	54	1028.2	S	1	b	45	64	43	-	0.1
Rome ...						1027.3	-	0	F	54		52		-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 11th October 1931.

No. 25525.

OBSERVATIONS at 13h. G.M.T. 10th 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)...	1024.6	+10	SW'W	1	c	62	75	6	5	7	-	7.8	9+	4000
	Croydon ...	1024.4	+6	NW	1	c	62	75	6	7	3	-	4.6	7.8	2500
	S. Farnborough	1024.5	+10	W'N	2	c	61	85	7	7	-	-	10	10	2500
	Winchester ...	1024.8	+10	NW	2	o	58	85	8	5	-	-	10	10	1500
	Boscombe Down	1024.3	+6	SW	2	c	59	85	8	7	-	-	7.8	7.8	1500
	Calshot, S'thmtn	1024.5	+6	SSW	3	c	65	65	8	8	3	-	4.6	7.8	2500
	Dungeness ...	*	*	SW	3	bc	*	*	7	2	7	*	1	2.3	2500
	Lympne ...	1023.9	+4	SSE	2	c	65	75	8	7	-	-	7.8	7.8	4000
2	Shoeburyness	1024.4	+10	SW'W	1	c	63	85	6	7	-	-	7.8	7.8	4000
	Felixstowe ...	1024.4	+12	NNW	1	c	61	75	7	5	-	-	10	10	1500
	Gorleston ...	1024.1	+8	ENE	1	c	64	75	6	4	-	-	7.8	7.8	4000
	Cranwell ...	1024.1	+6	W'N	1	b	62	55	7	-	-	1	0	Tr.	-
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1024.3	+6	N	1	bc	59	65	6	5	-	1	1	2.3	1500
	Upper Heyford	1024.3	+6	NNE	1	c	60	85	7	4	2	-	9	10	1500
	Leafield ...	1024.2	+14	-	0	id_0	57	95	8	6	2	-	7.8	10	800
4	Ross-on-Wye ...	1024.1	+10	NW	1	bc	61	65	8	1	-	1	2.3	2.3	4000
5	Portland Bill...	1024.2	+8	SW	2	c	60	85	8	4	4	-	4.6	10	2500
	Plymouth ...	1023.9	+2	SW	1	bc	61	85	9	2	3	1	2	4.6	2500
	Falmouth ...	1024.2	+4	SE'S	1	bc	61	75	8	8	-	-	4.6	4.6	4000
	Scilly (St. Mary's)	1024.8	+4	NE	3	bc	59	85	7	2	6	-	2.3	4.6	4000
	Guernsey ...	1024.4	+4	-	0	c	63	85	7	8	6	-	4.6	7.8	2500
6	Pembroke ...	1025.0	+8	W	1	bc	59	85	8	-	3	2	0	4.6	-
7	Holyhead ...	1024.4	+8	NW'W	2	bc	59	85	8	1	-	1	2.3	4.6	1500
	Chester (Sealand)	1024.6	+6	NW	2	bc	59	65	8	1	-	1	1	2.3	4000
8	L'pool (Bidston)	1024.7	+6	NW	3	bc	56	75	8	1	-	4	2.3	4.6	4000
9	Harrogate ...	1023.5	+10	SW	3	bc	58	65	8	1	-	1	1	2.3	4000
10	Spurn Head ...	1023.5	+4	NW	2	bc	60	75	6	1	3	-	1	4.6	4000
	Tynemouth ...	1021.6	+10	W	2	bc	61	65	7	2	-	1	4.6	4.6	2500
11	Inchkeith ...	1020.9	+8	SW	3	c	55	85	8	7	6	-	2.3	7.8	4000
	Leuchars ...	1019.5	+6	WSW	4	bc	58	65	8	1	-	4	1	4.6	2500
12	Renfrew ...	1021.5	+6	WSW	4	c	58	65	8	2	-	6	4.6	7.8	2500
	Eskdalemuir ...	1022.2	+4	SW	4	c	54	65	8	1	-	4	7.8	9	2500
13A	Tiree ...	1017.9	0	SW	5 (5-6)	bc	57	85	7	5	3	8	2.3	4.6	2500
13B	Stornoway ...	1012.9	-4	SW	6	c	56	75	8	8	7	9	7.8	9+	2500
15	Dalwhinnie ...	1018.6	-6	NE	1	c	52	65	8	3	-	-	7.8	7.8	1500
	Aberdeen ...	1018.3	+4	WSW	3	bc	58	45	8	1	3	8	Tr.	4.6	4000
	Wick ...	1014.3	+4	WSW	4	c	53	85	6	5	4	2	4.6	7.8	2500
16	Lerwick ...	1010.8	0	WSW	4	c	53	85	7	5	2	-	4.6	10	1500
17	Blacksod Point	1021.7	+6	SW	5	c	58	75	8	-	7	-	0	7.8	-
18	Malin Head ...	1020.5	+2	SW'S	4	c	57	85	7	8	6	-	4.6	7.8	2500
	Aldergrove ...	1022.8	0	SSW	4	bc	58	65	8	7	3	6	2.3	4.6	2500
	Donaghadee ...	1022.7	+6	WSW	2	bc	58	65	7	8	-	-	4.6	4.6	2500
19	Birr Castle ...	1024.3	+10	S	1	bc	59	75	8	7	-	-	4.6	4.6	2500
20	Valentia Obsy.	1025.4	+6	SW'S	3	bc	57	85	8	8	-	2	4.6	4.6	2500
	Roches Point...	1024.7	+8	SW	2	bc	56	85	8	8	-	9	4.6	4.6	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	1025.4	+4	-	0	cm	58	95	4	-	3	-	0	9+	-	1	*
Croydon	1024.9	-2	-	0	cm	59	85	4	5	-	-	10	10	4000	1	*
S. Farnborough	1025.1	0	-	0	f_g	56	95	6	5	-	-	4.6	4.6	4000	1	*
Winchester	1025.3	+6	-	0	f_g	54	95	7	4	-	-	4.6	4.6	5700	0	*
Boscombe Down	1024.8	+2	S	2	b	55	95	7	7	-	-	1	1	4000	0	*
Calshot, S'thmtn	1025.0	+4	WSW	2	bc	58	95	6	5	4	-	1	2.3	2500	0	0
Dungeness	*	*	SW'S	1	bc	*	*	7	3	9	*	2.3	4.6	2500	*	1
Lympne	1024.9	+4	SW	2	bc	57	85	7	5	-	-	~~4.6~~	~~4.6~~	4000	0	*
Shoeburyness	1026.8	+10	E'S	1	c	57	95	6	7	-	-	7.8	7.8	4000	0	*
Felixstowe	1025.7	+6	SSE	1	bc	55	95	7	5	-	-	2.3	2.3	4000	0	0
Gorleston	1024.8	+8	E'S	1	c	56	95	6	-	2	-	0	10	-	0	1
Cranwell	1025.3	+10	SW'W	2	b	51	85	6	-	-	1	0	Tr	-	0	*
Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birmingham	1025.4	+6	-	0	bc	56	75	5	-	-	1	0	2.3	-	0	*
Upper Heyford	1025.7	+10	-	0	bc	56	95	6	7	-	-	4.6	4.6	4000	0	*
Leafield	1025.3	+10	-	0	b	54	95	7	5	-	-	1	1	4000	1	*
Ross-on-Wye	1024.7	+4	E'S	1	bc	56	85	8	5	-	-	2.3	2.3	4000	1	
Portland Bill	1024.8	+6	SW	2	b	59	95	8	4	-	-	Tr.	Tr.	2500	0	2
Plymouth	1025.0	+6	-	0	b	58	95	8	1	-	1	Tr.	Tr.	4000	0	0
Falmouth	1024.6	+2	NNW	3	bc	57	85	8	5	3	-	4.6	4.6	4000	0	1
Scilly (St. Mary's)	1025.9	+4	NNE	3	bc	54	95	7	5	4	-	2.3	2.3	4000	0	2
Guernsey	1025.0	0	N	1	bc	57	95	7	5	6	-	4.6	4.6	4000	0	1
Pembroke	1024.8	+2	W	1	bc	53	95	8	-	3	2	0	4.6	-	0	1
Holyhead	1024.5	0	S'W	1	b	53	95	6	-	-	1	0	1	-	1	0
Chester (Sealand)	1025.5	+6	NW'N	1	bc	52	95	6	5	-	1	2.3	2.3	4000	0	*
L'pool (Bidston)	1025.4	0	NW'W	1	bc	54	85	9	5	-	1	1	2.3	2500	0	*
Harrogate	1025.0	+6	-	0	b	49	85	5 (56)	-	-	1	0	1	-	1	*
Spurn Head	1024.2	+2	SSE	2	bc	55	85	7	-	1	-	0	2.3	-	0	1
Tynemouth	1022.8	+4	WSW	2	bc	55	65	6	2	-	-	4.6	4.6	2500	0	1
Inchkeith	1020.1	-6	SSW	3	bc	54	85	7	5	4	-	2.3	4.6	2500	0	2
Leuchars	1018.8	-6	WSW	3	bc	52	85	7	5	4	2	2.3	4.6	2500	0	*
Renfrew	1021.2	+2	SW	3	c	54	75	7	5	-	-	9+	9+	4000	1	*
Eskdalemuir	1022.2	-2	SW	4	bc	50	75	8	4	4	2	1	4.6	2500	1	*
Tiree	1017.1	-8	SSW	6	c	55	75	7	5	-	-	9+	9+	2500	0	4
Stornoway	1010.6	-6	SSW	7	c	55	85	7	9	2	-	9	10	1500	1	4
Dalwhinnie	1017.3	-6	NE	2	c	50	75	8	3	-	-	7.8	7.8	1500	0	
Aberdeen	1017.3	-4	SSW	2	bc	54	75	7	5	3	3	1	2.3	4000	0	1
Wick	1012.8	-14	SW	4	c	54	75	8	8	4	8	7.8	9	2500	0	3
Lerwick	1009.5	-10	SW	7	c	53	75	7	5	2	-	4.6	10	1500	0	*
Blacksod Point	1020.6	-4	SW	6	c	56	75	8	-	7	-	0	7.8	-	0	4
Malin Head	1019.8	-4	SW	4	c	55	85	7	5	-	-	9	9	2500	0	3
Aldergrove	1022.3	-4	S	2	bc	53	85	8	5	4	1	1	2.3	2500	1	*
Donaghadee	1022.0	-4	SSW	2	bc	54	85	7	8	3	-	4.6	4.6	2500	0	0
Birr Castle	1023.9	-4	SSW	1	bc	53	95	8	1	-	1	1	2.3	2500	0	*
Valentia Obsy.	1025.3	-2	SW'S	3	bc	55	95	8	8	-	1	2.3	2.3	1500	1	3
Roches Point	1025.1	-2	SW	2	bc	59 (5)	85	8	5	-	9	2.3	4.6	2500	0	2

7-8.7-8

PAST 24 HOURS. WEATHER.

Stations	7h.–13h. 10th (37)	13h.–18h. 10th (38)	18h. 10th – 1h. 11th (39)	1h.–7h. 9th (40)
London (Kew)	$c3_0$	$c3_0$cm	cmcfw	oFW
Croydon	$bccm_0c$	cb_0r3_0	cwbFFe	oFFe
S. Farnborough	bcc	cbc	bcof	oFe
Winchester	cmo	ocbc	bcbff	fefe
Boscombe Down	cmc	cb	bFfe	bFfe
Calshot, S'thmtn	cp_0rc	cbc	bwoffe	offe
Dungeness	bc	bc	*	o
Lympne	bc	$bcbr_0c$	bcbf	bfec
Shoeburyness	cm_0	cm_0	cm_0	oFF
Felixstowe	bcm_0c	cbc	bm	bmoFF
Gorleston	cbcc	cbcc	cbcbme	$bebcm_0$
Cranwell	bmz_0y	$bybm_0$	bm_0mw	oFe
Cardington	*	*	b	fefe
Birmingham	bcb	bz	bz b	bw
Upper Heyford	od_0d_0c	$cbcm_0$	bcmfe	FFe
Leafield	od_0de	d_0cbc	bwf	bFFe
Ross-on-Wye	d_0cbc	bcbbc	bmbfw	FFcw
Portland Bill	bcc	bc	bc	bc
Plymouth	bcv	bcvb	b	bwmv
Falmouth	bccbc	bccbc	bc	bc
Scilly (St. Mary's)	bccbc	bc	bcb	bbcw
Guernsey	bcc	cbc	bcw	bcw
Pembroke	bc	bc	bc	bc
Holyhead	bbcmbc	bcb	bm_0wb	bcc
Chester (Sealand)	m_0bc	bcc	bifm	bmxw
L'pool (Bidston)	b	bcbv	b	bvw
Harrogate	b	b	b	bbcc
Spurn Head	bc	bc	bcw	bcwmc
Tynemouth	bc	bc	bcb	bbc
Inchkeith	bcc (b)	cbc	bcb	bbcc
Leuchars	bcw	bc	bcc	c
Renfrew	bbcc	c	c	ccd_0d_0
Eskdalemuir	cbcc	cbc	bcc	c
Tiree	bc	bcc	c	cpr_0
Stornoway	bcc	c	cirbcq	cpr
Dalwhinnie	c	c	*	r
Aberdeen	bbc	bc	bcb	bbcjp
Wick	bcc	c	bcc	bc
Lerwick	bcc	c	cor_0r_0	or_0r_0
Blacksod Point	c	cq	cq	ir
Malin Head	bbcc	c	c	circ
Aldergrove	om_0bc	bcb	bc	bcc
Donaghadee	bbc	bc	bbc	bcc
Birr Castle	bbc	bc	bcb	bbcc
Valentia Obsy.	bwbc	bc	bcc	cwc
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.
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.

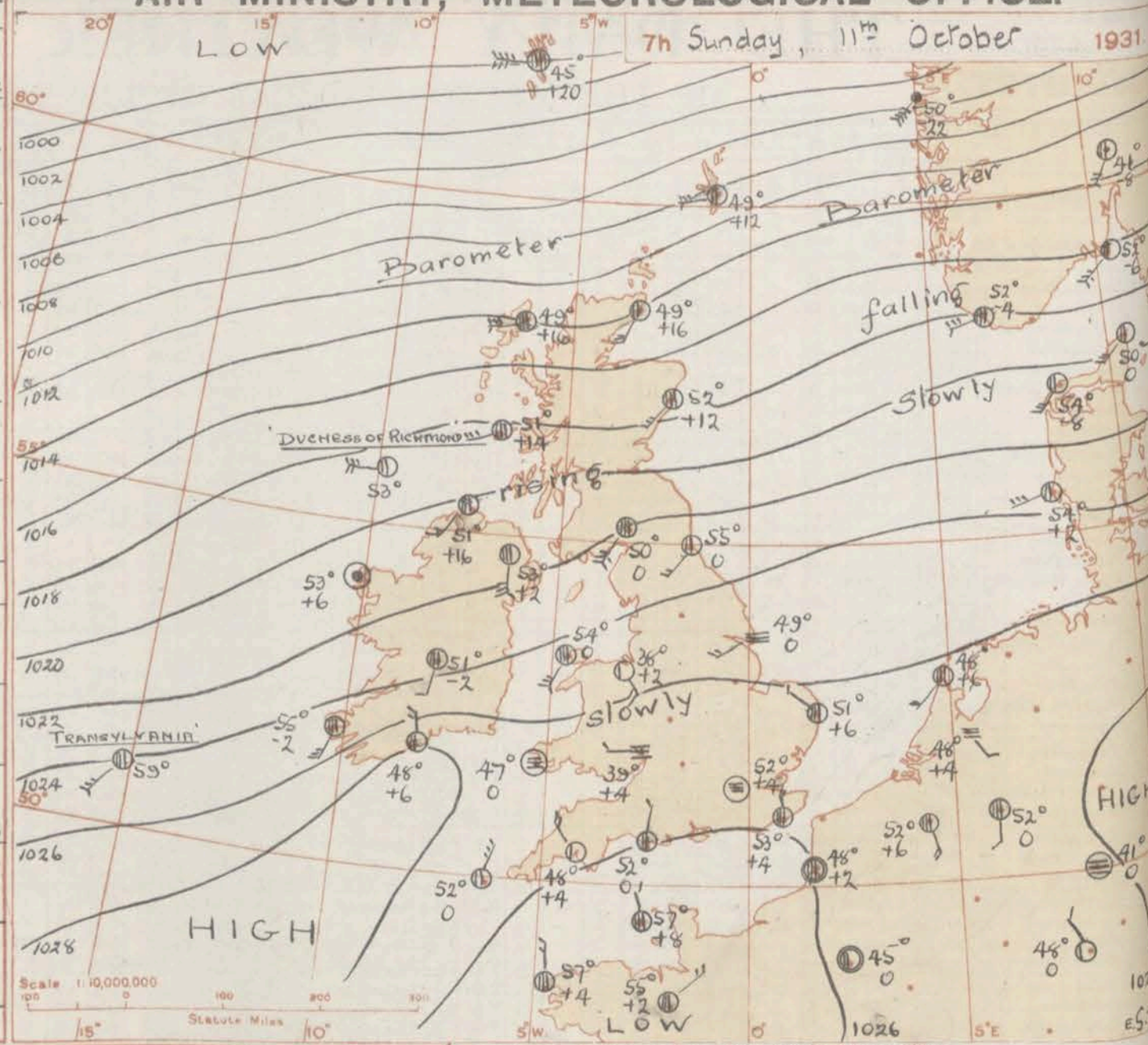
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 10th October 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 17h. 10th	Sunshine. Sunrise to Sunset. 9th
1	Tunbridge W.	bbc	co	46	65	–	–	4.5	5.7
	Bournemouth	oc	c	52	64	–	–	2.2	5.8
	Ventnor ...	b3	b	55	68	–	–	10.6	8.6
	Southsea ...	b	bbc	53	68	–	–	6.7	8.6
	Bognor Regis	b	b	55	66	–	–	9.1	7.8
	Littlehampton	bc	bc	50	64	–	–	9.7	8.6
	Worthing ...	b	b	52	65	–	–	9.6	8.4
	Brighton ...	b	b	52	64	–	–	9.8	7.5
	Eastbourne†	b	b	55	65	–	–	9.6	8.0
	Hastings† ...	b	b	53	66	–	–	9.6	7.3
	Folkestone ...	wbc	bcabc	53	69	–	–	6.3	8.3
	Dover... ...	b	bbcc	45	63	–	–	6.6	7.7
	Deal	bcb	co	52	69	–	–	4.3	6.9
	Ramsgate ...	b	bbcc	54	64	–	–	5.8	7.3
	Margate ...	bc	bcc	54	64	–	–	4.9	7.1
2	Southend ...	cbc3	bc3c	53	64	Trace	–	2.0	5.7
	Maldon ...	c	cbc	45	64	–	–	0.7	3.8
	Clacton-on-Sea	cbec	cbc3	54	63	–	–	1.8	6.5
	Dovercourt ...	bcb	c	51	63	–	–	1.4	6.3
	Lowestoft ...	bbcic	bibcb	51	61	–	–	3.0	2.8
	Skegness ...	b	b	51	60	–	–	9.0	3.2
	Mablethorpe	b	b	49	61	0.3	–	9.0	3.2
	Cleethorpes...	rwbmb	bc	50	61	0.3	–	7.2	3.2
3	Leamington S.	c	c	52	64	–	–	5.5	0.3
4	Cheltenham†	omoc	cbcb3	53	61	0.3	–	2.6	0.2
5	Bath	bec	cbcb	49	63	–	–	3.8	2.1
	Weymouth ...	c	cb	55	65	–	–	4.3	6.3
	Jersey ...	cbc	bc	57	65	–	–	6.5	9.7
	Torquay ...	bcm	bcc	58	64	–	–	4.3	3.7
	Penzance ...	b	b	55	66	–	–	8.2	1.1
	St. Ives ...	b	b	56	60	0.5	–	7.4	4.6
	Bude	wbcb	b	49	60	0.4	–	9.4	1.5
	Ilfracombe ...	b	b	56	61	0.2	–	3.9	1.6
6	Aberystwyth	crbc	bbc	46	57	9	–	9.8	0.0
7	Llandudno ...	bcb	b	48	60	15	–	9.0	0.2
	Colwyn Bay...	b	b	48	61	16	–	9.0	0.2
	Rhyl	b	b	46	59	7	–	8.9	0.0
8	Wallasey ...	bc	bcb	52	59	2	–	8.1	0.0
	Southport‖ ...	bc	bc	50	59	2	Trace	9.3	0.0
	Blackpool ...	bc	bc	51	61	3	–	9.1	0.0
	Morecambe ...	rcbbc	b	47	59	4	–	8.0	0.0
9	Ilkley... ...	b	b	46	61	Trace	–	7.4	1.2
10	Berwick-on-T.	bbc	bcc	45	59	Trace	–	8.0	0.0
11	Dumbar ...	bcm	bc	47	58	–	–	7.4	0.4
12	Douglas ...	bc	bc	46	60	0.5	–	9.6	0.0

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



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

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 11th Oct. 1931.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Wind variable, light to moderate; mainly fair; local mist or fog early and late; mild.
8. N.W. England 9. N. Midlands 10. N.E. England	Wind westerly, moderate; mainly fair; mild.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Wind westerly, moderate or fresh; cloudy; occasional rain or showers; moderate temperature.
13. A. W. Scotland. B. N.W. Scotland. ↓	Wind westerly, fresh to strong, moderating; cloudy; occasional rain or showers; moderate temperature.
14. Mid-Scotland	As 11 - 13A.
15. N.E. Scotland ↓	As 13B.
16. Orkneys and Shetlands ↓	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind variable to southwesterly, light to moderate; cloudy; perhaps occasional drizzle or rain; mild.

C.H.K

GENERAL INFERENCE.

Pressure is relatively high over our southern districts.a A deep depression northeast of Iceland is moving rapidly to the Northeast. Another depression is indicated north of the Azores. Weather will be rather unsettled in the North and Northwest, but mainly fair over most of England and Wales.

FURTHER OUTLOOK.

Rather unsettled in the North and West; mainly fair elsewhere.

Time of issue of Gale Warning.

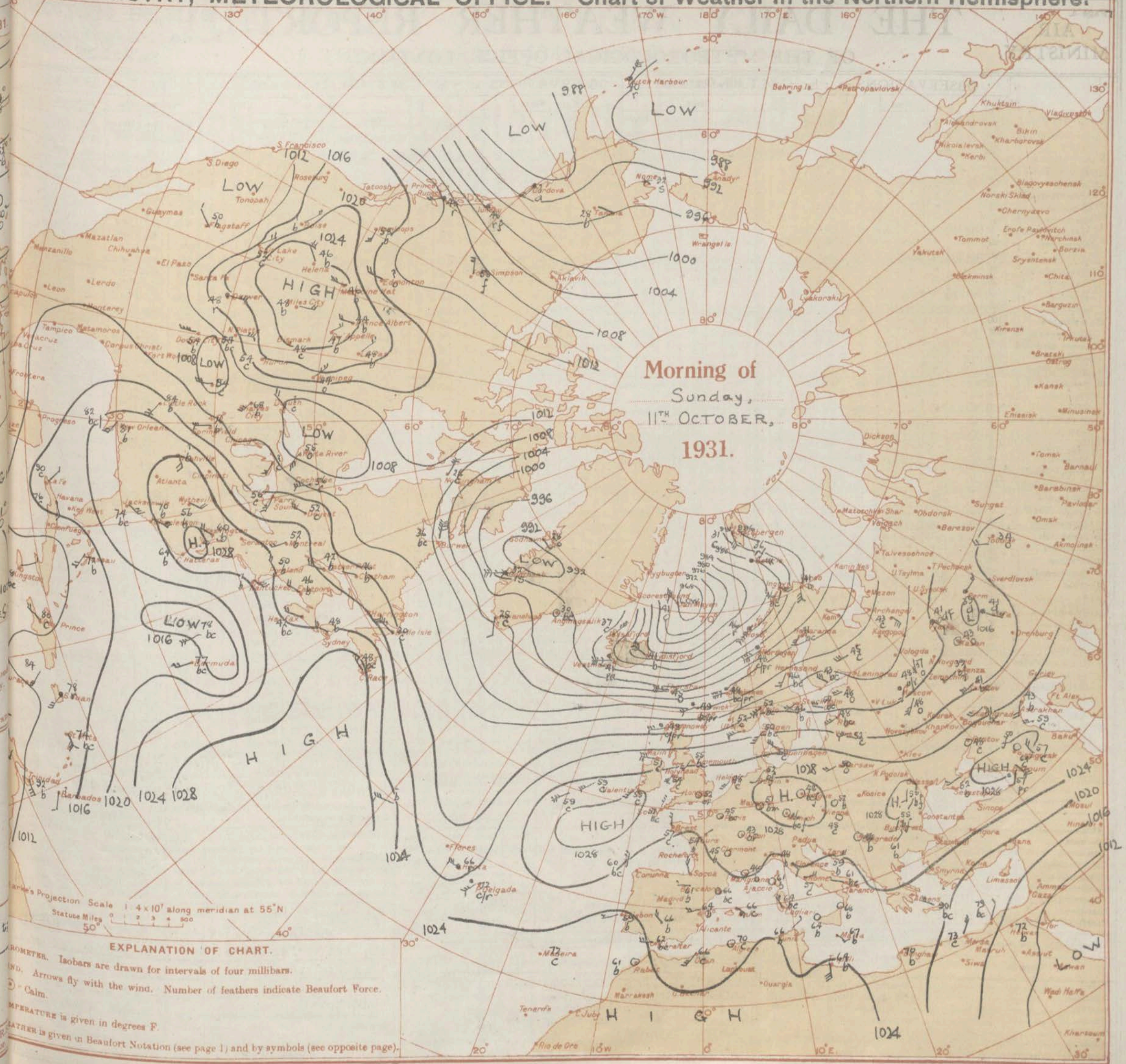
↓ South Cone at 1845 on 8th in 13B., 15, and 16.

Forecasts issued at 1030 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, 11th October 1931.

No. 255.25

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

District.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1026.0	+2	SSW	1	bF	50	95	1	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1025.9	0	-	0	F	52	95	1	5	-	-	10	10	<150
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1026.0	0	SSE	1	bf	54	95	2	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1025.8	0	SW'W	2	b	54	95	6	-	-	-	0	0	-
	Cranwell ...	240	1025.8	0	WSW	1	b	43	95	4	-	-	-	0	0	-
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	228	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1025.6	0	SE	1	bc	54	95	7	4	4	-	2.3	4.6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1026.0	+2	N	1	bc	51	95	8	5	-	-	2.3	2.3	4000
	Scilly (St. Mary's)	163	1027.4	+6	NNE	2	b	51	95	7	-	-	-	0	0	-
	Guernsey ...	175	1025.8	0	-	0	bc	57	95	8	8	-	-	4.6	4.6	2500
6	Pembroke ...	142	1025.2	+4	W'S	1	bc	54	95	8	3	6	-	4.6	4.6	2500
7	Holyhead ...	26	1024.6	0	SW'W	3	bc	54	95	7	5	-	-	2.3	2.3	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1025.1	0	W'N	2	bc	50	95	6	5	-	-	2.3	2.3	2500
	Tynemouth ...	87	1021.6	-4	WSW	2	b	49	85	7	-	-	-	0	0	-
11	Inchkeith ...	190	1018.6	-6	SW	4	b	54	85	8	-	4	-	0	1	-
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1010.3	-14	SW	7	9	51	85	8	4	7	-	2.3	4.6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1010.2	-8	SW	6	c	53	85	8	9	2	8	4.6	7.8	1500
16	Lerwick ...	54	1005.9	-12	SW	8	r.r.	54	85	7	6	-	-	10	10	1500
17	Blacksod Point	18	1020.6	0	SW	7	c	58	85	6	-	2	-	0	10	-
18	Malin Head ...	52	1018.8	+2	S'W	4	c	56	85	7	5	-	-	9+	9+	2500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1025.2	-8	W	4	bc	56	95	8	-	4	-	0	2.3	-
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 11th 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)	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) ...	1026.7	+2	SW	1	oF	51	95	1	5	-	-	10	10	<150	1	*
	Croydon ...	1026.5	+4	-	0	F	52	95	1	5	-	-	10	10	<150	1	*
	S. Farnborough	1026.6	+2	-	0	F	48	95	1	5	-	-	10	10	<150	1	*
	Winchester ...	1026.6	+2	NNE	1	f	49	95	2	5	-	-	10	10	<150	1	*
	Boscombe Down	1026.9	+4	-	0	bf.	43	95	2	-	-	-	0	0	-	1	*
	Calshot, (S'thmtn)	1026.2	+2	NNW	2	F	51	95	1	5	-	-	10	10	<150	1	0
	Dungeness ...	*	*	NNW	1	c	*	*	6	5	6	*	2.3	9	1500	*	1
	Lympne ...	1026.0	+4	N'W	2	c	53	95	7	5	-	-	9+	9+	4000	0	*
2	Shoeburyness	1026.8	0	W'N	1	F	49	95	0	5	-	-	10	10	<150	0	*
	Felixstowe ...	1026.6	+4	-	0	F	55	95	1	5	-	-	10	10	<150	0	0
	Gorleston ...	1026.2	+6	NW'W	1	c	51	95	5	5	3	-	4.6	9	1500	0	1
	Cranwell ...	1026.0	+2	WSW	1	F	42	95	1	5	-	-	10	10	<150	0	*
3	Cardington ...	1026.3	+2	WNW	2	F	47	95	1	5	-	-	10	10	<150	*	*
	Birmingham ...	1027.8	+4	WNW	2	b	43	95	8	-	-	-	0	0	-	0	*
	Upper Heyford	1027.2	+8	-	0	F	43	95	1	5	-	-	10	10	<150	1	*
	Leafield ...	1026.6	+4	NW	2	bF	41	95	1	-	-	-	0	0	-	1	*
4	Ross-on-Wye ...	1026.9	+4	W	1	cF	39	95	1	5	-	-	7.8	7.8	<150	1	*
5	Portland Bill...	1025.6	0	E	1	bc	52	85	7	4	-	-	2.3	2.3	2500	0	2
	Plymouth ...	1026.5	+4	NW	2	b	48	95	9	1	-	-	1	1	4000	1	0
	Falmouth ...	1026.0	0	N	3	bc	50	95	7	5	3	-	2.3	4.6	4000	0	1
	Scilly (St. Mary's)	1027.1	0	NNE	3	bc	52	95	7	1	-	-	2.3	2.3	4000	0	2
	Guernsey ...	1026.7	+8	N	1	c	57	95	7	8	-	-	7.8	7.8	1500	0	1
6	Pembroke ...	1026.1	0	-	0	bcf	47	95	2	7	-	-	2.3	2.3	4000	1	0
7	Holyhead ...	1024.3	0	SW'S	4	c	54	95	8	5	-	-	9	9	2500	1	1
	Chester (Sealand)	1025.8	+2	SE	2	b	38	95	6	-	3	-	0	1	-	1	*
8	L'pool (Bidston)	1025.0	0	SW	3	b	49	85	9	4	-	-	Tr.	Tr.	4000	0	*
9	Harrogate ...	1025.2	0	S	1	c	46	95	5	5	-	-	9+	9+	2500	1	*
10	Spurn Head ...	1024.8	0	WSW	2	bc	49	95	4	5	1	1	2.3	4.6	1500	1	1
	Tynemouth ...	1022.5	0	SW	2	bc	50	85	7	1	-	-	2.3	2.3	2500	0	1
11	Inchkeith ...	1018.6	0	SW	4	c	54	85	8	5	1	9	4.6	7.8	4000	0	3
	Leuchars ...	1017.8	+8	SW	4	c	53	95	7	6	3	2	4.6	7.8	1500	0	*
12	Renfrew ...	1019.8	+2	SW	4	d.d.	53	95	6	5	2	-	9	10	800	1	*
	Eskdalemuir ...	1021.5	0	SW	5	c	50	95	7	5	-	-	10	10	1500	1	*
13A	Tiree	1018.4	+14	WSW	3	c	51	95	7	8	7	-	4.6	7.8	2500	1	3
13B	Stornoway ...	1013.9	+16	W	4	c/pr	49	95	8	9	7	1	4.6	7.8	2500	1	2
15	Dalwhinnie ...	1016.3	-6	W	3	bc	48	75	8	4	-	-	4.6	4.6	800	1	*
	Aberdeen ...	1017.1	+12	SW	3	c/p	52	86	7	6	3	-	7.8	9	1500	1	1
	Wick	1014.0	+16	SSW	3	bc	49	95	8	8	6	5	4.6	4.6	2500	1	2
16	Lerwick ...	1009.5	+12	W'S	4	c/pr	49	85	7	9	-	9	4.6	7.8	1500	1	*
17	Blacksod Point	1021.5	+6	-	0	rr	53	85	7	6	-	-	10	10	<150	1	2
18	Malin Head ...	1020.5	+16	SW	2	c	51	95	7	9	7	-	1	9+	1500	1	2
	Aldergrove ...	1021.8	+2	S	4	c	53	95	7	5	2	-	9	10	800	1	*
	Donaghadee ...	1021.5	-6	SW	2	c	53	85	8	5	2	-	4.6	7.8	1500	0	0
19	Birr Castle ...	1023.4	-2	SSW	1	c	51	95	7	5	-	-	9+	9+	2500	0	*
20	Valentia Obsy.†	1024.9	-2	S'W	3	c	55	95	8	5	-	-	9	9	1500	1	3
	Roches Point...	1025.5	+6	N	2	bc	48	95	8	5	-	-	2.3	2.3	2500	0	2

PAST 24 HOURS.

District.	Stations.	Temperature. Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Night 18h-7h mm. (35)	Sunshine 10th Hr. (36)
1	London (Kew) ...	62	50	46	-	Tr.	0.1
	Croydon ...	63	50	48	Tr.	Tr.	0.3
	S. Farnborough	62	47	38	-	0.2	0.3
	Winchester ...	62	46	43	-	0.1	1.3
	Boscombe Down	63	42	41	-	0.3	*
	Calshot, (S'thmtn)	67	50	45	Tr.	0.1	3.9
	Dungeness ...	65	44	*	-	0.1	*
	Lympne ...	66	47	41	Tr.	0.1	5.1
2	Shoeburyness	64	44	39	-	Tr.	1.3
	Felixstowe ...	62	50	35	-	Tr.	1.6
	Gorleston ...	64	50	45	-	Tr.	3.6
	Cranwell ...	63	42	35	-	Tr.	7.7
3	Cardington ...	*	*	*	*	*	*
	Birmingham ...	61	42	28	-	Tr.	8.5
	Upper Heyford	60	43	38	0.1	0.3	*
	Leafield ...	59	39	31	0.4	0.1	0.3
4	Ross-on-Wye ...	66	39	37	Tr.	0.1	4.5
5	Portland Bill...	62	51	*	-	-	*
	Plymouth ...	66	45	42	-	-	8.0
	Falmouth ...	61	50	*	-	-	3.7
	Scilly (St. Mary's)	59	50	*	-	0.1	9.2
	Guernsey ...	59	50	*	-	-	6.8
6	Pembroke ...	60	46	*	-	Tr.	9.5
7	Holyhead ...	60	53	45	-	-	8.5
	Chester (Sealand)	60	37	31	-	Tr.	7.6
8	L'pool (Bidston)	57	47	43	-	-	7.9
9	Harrogate ...	61	43	35	-	-	9.0
10	Spurn Head ...	61	48	*	-	Tr.	7.8
	Tynemouth ...	62	49	42	-	-	*
11	Inchkeith ...	56	52	49	-	-	6.4
	Leuchars ...	58	50	45	-	-	*
12	Renfrew ...	59	52	50	-	0.1	5.3
	Eskdalemuir ...	56	47	41	-	-	6.0
13A	Tiree	57	50	45	-	1	5.6
13B	Stornoway ...	57	49	*	-	2	1.6
15	Dalwhinnie ...	54	42	43	-	3	1.5
	Aberdeen ...	60	49	43	-	-	6.2
	Wick	55	46	*	-	3	*
16	Lerwick ...	54	49	*	-	5	1.2
17	Blacksod Point	58	51	*	-	3	*
18	Malin Head ...	58	51	*	-	2	4.4
	Aldergrove ...	59	48	42	-	-	6.9
	Donaghadee ...	60	49	*	-	-	*
19	Birr Castle ...	60	46	35	-	-	9.3
20	Valentia Obsy.†	60	52	46	0.2	Tr.	9.3
	Roches Point...	59	47	*	-	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.)	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	c3+	c3+ cm	cmoFw	62	50	46	-	Tr.	0.1	*	*	2
CROYDON	217	bec m.c	cpr3+	cwoFFe	63	50	48	Tr.	Tr.	0.3	*	*	2
GREENWICH (Royal Observatory) ...	149	c	cmf	fFe	65	47	40	-	Tr.	0.0	83	100	2
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.2	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	62	51	47	-	-	0.4	77	97	*
REGENTS PK. (Botanic Gardens) ...	168	*	*	*	*	*	*	*	*	4.2	*	*	*
CAMDEN SQUARE	116	c	c	*	62	51	45	-	-	*	*	97	*
KENSINGTON	80	oc	o	*	63	51	42	-	-	0.0	At 18h. 95	98	*
HAMPSTEAD OBSERVATORY	450	c	bc	ofof	60	47	39	Tr.	Tr.	0.3	*	93	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

SOUTH KENSINGTON. Max.	Time.	Min.	Time.
20	11h-12h 11th	0.3	12h-13h 10th

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0.6	23h 10th	0.1	9h 10th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 10th October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 11th October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Night. mm.
PARIS	1025.3	-	0	bc	61	1026.1	-	0	bc	45	70	43	-	-
BRUSSELS	1026.2	SW	1	c	59	1027.2	SSE	2	c	52	66	48	-	-
BERLIN	1023.8	W	1	c	57	1027.7	W'N	1	f.	50	63	50	-	-
ZÜRICH	1026.6	SE	1	b	57	1027.1	E	1	f	43	72	43	-	-
ROME						1023.7	ENE	2	c	57		52		-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 12th October 1931.

No. 25526

OBSERVATIONS at 13h. G.M.T. 11th 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)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1026·2	-8	W	1	m	55	85	4	5	-	-	10	10	450
	Croydon	1026·0	-6	NW'N	1	m	56	95	4	5	-	-	10	10	450
	S. Farnborough	1026·0	-10	-	0	c	56	95	6	5	-	-	9	9	450
	Winchester	1025·6	-14	SE	1	bc	63	75	7	1	-	-	2·3	2·3	4000
	Boscombe Down	1025·9	-12	-	0	b	62	55	8	2	-	-	Tr	Tr	4000
	Calshot, S'thmtn	1026·1	-6	-	0	b	60	85	6	-	-	-	0	0	-
	Dungeness	*	*	NNE	1	bc	*	*	7	1	1	*	2·3	4-6	2500
	Lympne	1025·1	-10	SE'E	2	b	63	65	6	2	-	1	Tr	1	4000
2	Shoeburyness	1025·8	-10	NNW	1	m	60	95	4	1	-	-	2·3	2·3	4000
	Felixstowe	1025·9	-10	SE	1	m	58	95	4	-	-	-	0	0	-
	Gorleston	1025·4	-6	S	1	c/f	60	95	5	7	-	-	7·8	7·8	2500
	Cranwell	1025·0	-12	SW'S	2	b	61	55	7	5	-	1	Tr	Tr	4000
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1025·5	-8	SW	2	b	60	55	8	-	-	1	0	1	-
	Upper Heyford	1026·1	-16	-	0	b	58	65	7	-	4	-	0	Tr	-
	Leafield	1025·5	-6	NE	1	b	57	65	8	1	-	1	Tr	Tr	4000
4	Ross-on-Wye	1025·4	-10	W	1	b	60	65	8	1	-	1	Tr	Tr	4000
5	Portland Bill	1025·6	-8	E	2	b	62	75	7	1	-	-	Tr	Tr	2500
	Plymouth	1026·0	-6	S	1	b	61	75	8	1	-	-	Tr	Tr	4000
	Falmouth	1025·9	-6	ESE	2	bc	59	75	8	1	3	1	1	2·3	4000
	Scilly (St. Mary's)	1026·2	-4	NNE	2	b	59	85	8	1	-	-	1	1	4000
	Guernsey	1025·5	-8	NNE	4	bc	62	85	7	1	1	-	1	2·3	2500
6	Pembroke	1025·6	-4	SW	1	bc	56	85	8	-	4	-	0	4·6	-
7	Holyhead	1024·1	-4	SW'S	4	bc	61	85	8	4	-	9	Tr	2·3	2500
	Chester (Sealand)	1024·9	-6	W'S	2	bc	61	55	8	4	4	9	4·6	4·6	4000
8	L'pool (Bidston)	1024·7	-4	SWW	3	bc	59	65	8	1	-	9	1	4·6	4000
9	Harrogate	1024·0	-6	SSW	3	bc	61	65	6	5	-	1	4·6	4·6	2500
10	Spurn Head	1024·6	0	W'S	2	bc	61	65	7	-	-	1	0	2·3	-
	Tynemouth	1021·8	-4	W	3	bc	64	65	7	1	-	1	2·3	2·3	4000
11	Inchkeith	1020·9	+8	SW	3	c	54	85	7	5	5	-	4·6	9	4000
	Leuchars	1019·8	+6	SW	3	c	57	75	8	7	7	-	4·6	9+	2500
12	Renfrew	1021·7	+4	SW	3	c	55	85	7	5	-	-	10	10	1500
	Eskdalemuir	1021·7	0	SW	4	dd	53	95	5	5	-	-	10	10	450
13A	Tiree	1020·5	+8	WSW	3	c	54	75	8	5	5	8	9	9+	2500
13B	Stornoway	1017·0	+16	W	4	bc/pr	54	75	8	8	7	-	2·3	4·6	2500
15	Dalwhinnie	1018·5	+6	SE	1	c	51	75	8	4	-	-	7·8	7·8	2500
	Aberdeen	1019·0	+8	WSW	2	c	57	65	7	5	7	-	1	9	2500
	Wick	1017·0	+14	WSW	4	bc	56	65	8	8	1	1	4·6	4·6	2500
16	Lerwick	1012·2	+16	W'S	4	pr	53	65	7	9	-	-	7·8	7·8	1500
17	Blacksod Point	1022·5	+4	S	2	c	55	85	8	5	-	-	9+	9+	<150
18	Malin Head	1021·6	+2	W	2	c	57	85	7	7	9	6	1	9	2500
	Aldergrove	1023·0	+2	S'W	2	c/d.	53	85	8	5	1	-	7·8	10	800
	Donaghadee	1023·1	+6	W	1	c	53	95	7	5	-	-	9	9	1500
19	Birr Castle	1023·0	-4	SSW	2	c	61	75	8	5	2	-	7·8	7·8	2500
20	Valentia Obsy.	1025·0	-2	SSW	3	c	60	95	7	5	-	-	10	10	800
	Roches Point	1025·3	-4	SW	3	c	58	85	8	3	4	-	4·6	+0	2500

OBSERVATIONS at 18h. G.M.T. 11th 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)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1025·2	-6	-	0	f	52	95	2	-	-	8	0	1	-	1	*
	Croydon	1024·8	-6	-	0	f	53	95	3	-	-	-	0	0	-	1	*
	S. Farnborough	1025·1	+2	-	0	b	53	95	6	-	-	1	0	Tr	-	1	*
	Winchester	1024·9	-2	W	1	bc	53	95	7	-	-	8	0	2·3	-	0	*
	Boscombe Down	1025·3	0	NE	1	b	55	75	8	-	4	-	0	Tr	-	0	*
	Calshot, S'thmtn	1025·1	-2	WSW	2	b	56	95	5	-	4	-	0	1	-	0	0
	Dungeness	*	*	SE	1	bc	*	*	5	5	1	*	2·3	4·6	2500	*	0
	Lympne	1024·6	+2	-	0	b	55	95	6	-	-	-	0	0	-	0	*
2	Shoeburyness	1025·3	-10	SW	1	f	55	95	2	1	-	-	2·3	2·3	4000	0	*
	Felixstowe	1025·0	+2	-	0	m	55	95	4	-	-	-	0	0	-	0	0
	Gorleston	1024·4	-6	-	0	c	57	95	5	-	2	-	0	10	-	0	1
	Cranwell	1024·5	0	WSW	2	b	50	85	6	-	-	1	0	1	-	0	*
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1024·9	-2	WSW	1	bc	55	75	8	5	3	1	2·3	4·6	800	0	*
	Upper Heyford	1025·3	-2	W	1	b	53	75	7	-	4	8	0	1	-	0	*
	Leafield	1025·3	-6	SW'W	1	bc	51	75	8	-	-	8	0	2·3	-	0	*
4	Ross-on-Wye	1025·1	-4	SW	1	bc	53	85	6	5	-	1	2·3	2·3	4000	1	*
5	Portland Bill	1024·6	0	W	1	bc	57	85	7	-	4	-	0	2·3	-	0	2
	Plymouth	1024·8	-6	-	0	b	56	95	8	-	3	1	0	1	-	0	0
	Falmouth	1024·8	-8	NNW	2	bc	55	85	8	1	3	4	1	4·6	4000	0	1
	Scilly (St. Mary's)	1025·5	-6	N'E	2	bc	52	95	7	5	-	2	2·3	4·6	4000	0	1
	Guernsey	1024·7	-4	NNE	2	bc	57	95	6	5	-	-	4·6	4·6	1500	0	2
6	Pembroke	1023·7	-10	W	1	bc	54	95	8	-	4	-	0	2·3	-	0	1
7	Holyhead	1023·0	-6	SSW	4	c	56	95	7	5	-	-	9+	9+	4000	1	1
	Chester (Sealand)	1024·2	-2	SW'W	1	c	57	75	6	5	3	4	4·6	7·8	4000	1	*
8	L'pool (Bidston)	1024·0	-2	WSW	2	bc	55	75	8	4	-	9	1	4·6	4000	0	*
9	Harrogate	1023·5	0	S'W	2	bc	52	85	7	-	-	8	0	4·6	-	0	*
10	Spurn Head	1024·3	0	WSW	2	bc	53	95	6	5	1	-	2·3	4·6	1500	0	1
	Tynemouth	1021·7	0	WSW	2	c	58	75	6	4	-	-	9	9	2500	0	1
11	Inchkeith	1020·9	+2	SW	3	c	53	95	7	5	8	-	2·3	7·8	2500	0	2
	Leuchars	1020·2	+4	WSW	3	c	47	95	8	5	4	1	4·6	7·8	4000	0	*
12	Renfrew	1021·7	0	SW	3	bc	51	95	7	8	4	-	2·3	2·3	2500	1	*
	Eskdalemuir	1022·3	+4	SW	2	c	50	85	8	8	-	-	9+	9+	5700	1	*
13A	Tiree	1020·3	-2	W	2	ir	49	85	6	6	7	8	7·8	10	800	1	4
13B	Stornoway	1017·6	+4	WSW	2	c	48	95	8	8	7	-	4·6	7·8	2500	1	2
15	Dalwhinnie	1017·5	+6	SE	1	c	47	85	6	6	-	-	7·8	7·8	800	0	*
	Aberdeen	1019·8	+6	WNW	1	c	53	75	6	5	-	-	9	9	2500	1	1
	Wick	1017·9	+8	W	3	c	48	75	8	5	8	8	4·6	7·8	2500	0	2
16	Lerwick	1014·3	+10	W'S	3	bc	49	65	7	5	-	-	4·6	4·6	1500	1	*
17	Blacksod Point	1020·3	-10	S	3	c	54	85	8	-	2	-	0	10	-	0	3
18	Malin Head	1020·9	-2	W'S	2	c	53	85	7	5	7	-	2·3	9+	2500	0	2
	Aldergrove	1022·3	-2	S'E	2	c	51	95	8	5	7	-	1	9+	1500		*
	Donaghadee	1022·3	-2	W	1	c	53	85	7	5	-	-	9	9	1500	0	0
19	Birr Castle	1021·9	-6	SSW	1	c	57	95	7	6	2	-	4·6	10	1500	1	*
20	Valentia Obsy.	1022·7	-14	SSW	2	c	57	95	8	5	-	-	9+	9+	800	1	3
	Roches Point	1023·5	-10	SW	2	c	56	95	8	8	-	-	7·8	7·8	1500	0	2

PAST 24 HOURS.

Stations.	Weather. 7h.–13h. 11th (37)	13h.–18h. 11th (38)	18h. 11th to 1h. 12th (39)	1h.–7h. 12th (40)
London (Kew)	ofwom	ombcbfw	bfwoF	oF
Croydon	offcm	cbmfw	bofFe	oFFe
S. Farnborough	oFecm.	cbb	bfwoF	oFFe
Winchester	fefebcm	bcb	bff	bfbcm.w
Boscombe Down	bffeby	by	bm	bffb
Calshot, S'thmtn	offebm	bm.	offe	bcfe
Dungeness	bc	bc	*	bc
Lympne	cbm. 3.	b3.m.	bm.	bm.wf
Shoeburyness	om	bcm	bf	off
Felixstowe	ofefebm	bm	bm	bmFeFe
Gorleston	cmffo	cbcm.	offe	bcffoe
Cranwell	ofby	bvm.	bm.w	wbcm.
Cardington	*	*	FeFe	FeFe
Birmingham	b	b	b	bbc
Upper Heyford	Fmbcb	b	bfe	FFe
Leafield	FFbcb	b	bw	bcwf
Ross-on-Wye	febb	bybc	bmwf	bFFw
Portland Bill	bc	bc	bbc	bcFfcw
Plymouth	bv	b	b	bbcm.w
Falmouth	bc	bc	bc	bcp.o
Scilly (St. Mary's)	bcb	bbc	bcbbc	bcoff
Guernsey	obc	bc	bcbw	bw
Pembroke	bc	bc	bc	bcc
Holyhead	cbc	bcc	cbc	bcc
Chester (Sealand)	m.wbbc	yvbc3.	bcbm.	bmwbc
L'pool (Bidston)	bbvbc	bvybc	bcb	bwbc
Harrogate	cbbc	bc	bcb	bbc
Spurn Head	cmbc	bc	bcw	bcw
Tynemouth	bc	bcc	co	oc
Inchkeith	c	c	bcc	oc
Leuchars	cid.cv	cvmidc	bcbw	cwcd.c
Renfrew	d.d.c	p.bcc	bcbc	c.r.c
Eskdalemuir	codd	odc	cbw	bwcrc
Tiree	cbcc	cbcc	cir.	orrc
Stornoway	cprbc	cpr.	cpr.	r.r
Dalwhinnie	bc	c	*	r
Aberdeen	circ	c3.	c3.	crc
Wick	bc	bcpr.	cbc	bccr.r
Lerwick	cpr	cpr.bc	bccpr	cpr.c
Blacksod Point	prc	c	irq	prcq
Malin Head	c ⊕	c	cid.	c
Aldergrove	d.d.rid.	id.c	bccr	cid.
Donaghadee	c	cidc	bcm.	bcc
Birr Castle	c	cr.	c	c
Valentia Obsy.	c	c	circ	cpr.c
Roches Point	bcp.c	c	cbc	bco

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.

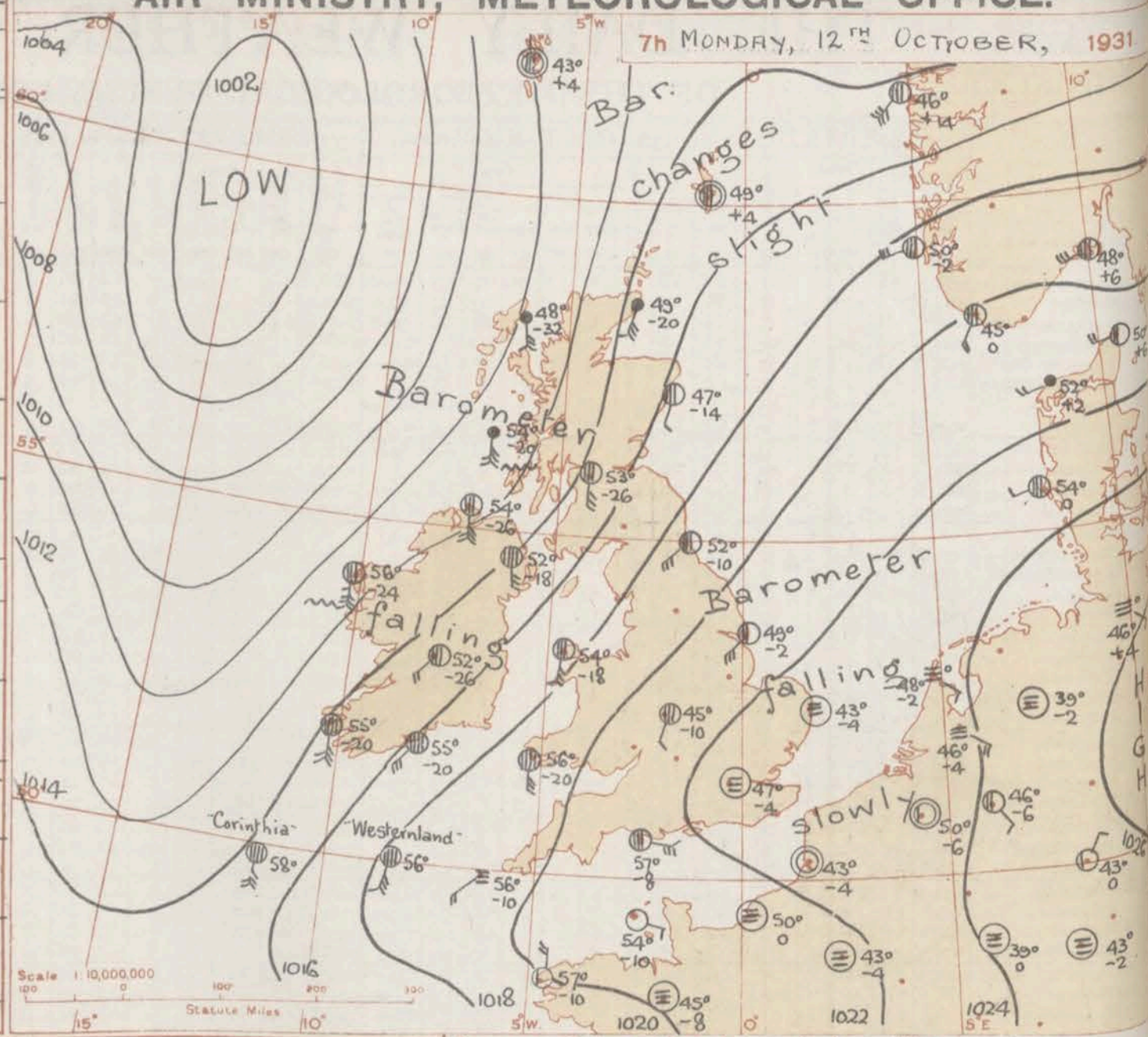
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for ....11th OCTOBER.....1931.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 10th to 9h. 11th	Temperature. Max. 9h.—17h. 11th	Rainfall. Night. 17h. 10th to 9h. 11th	Rainfall. Day. 9h.—17h. 11th	Sunshine. Sunrise to 17h. 11th	Sunshine. Sunrise to Sunset. 10th
1	Tunbridge W.	ofcb	bc	44	67	-	-	4.9	4.5
	Bournemouth	fb	b	46	64	-	-	8.1	2.2
	Ventnor ...	ofbof	ofbco	53	60	-	-	3.8	10.6
	Southsea ...	obcc	b	51	60	-	-	4.3	6.7
	Bognor Regis	cobc	bbc	52	62	-	-	5.4	9.1
	Littlehampton	bcmb	b	51	62	-	-	6.5	9.7
	Worthing ...	cb	b	51	64	Trace	-	7.4	9.6
	Brighton ...	b	b	47	64	-	-	8.3	9.8
	Eastbourne†	b	b	46	64	-	-	8.9	9.6
	Hastings† ...	bmb	b	51	64	0.2	-	8.4	9.6
	Folkestone ...	wbcb	b	47	66	-	-	7.6	6.3
	Dover... ...	b	bbc	48	64	-	-	7.9	6.6
	Deal	bcb	b	46	65	-	-	6.5	4.3
	Ramsgate ...	cbcb	bm	51	65	-	-	6.6	5.8
	Margate ...	cfbc	bc	54	59	-	-	3.4	4.9
2	Southend ...	fe	b	50	61	0.2	Trace	2.4	2.0
	Maldon ...	foc	cbc	43	64	-	-	2.5	0.7
	Clacton-on-Sea	bcfm	bcm	48	62	-	-	3.9	1.8
	Dovercourt ...	bcf	fbc	49	63	-	-	5.5	1.4
	Lowestoft ...	bfbc	bccb	48	59	-	-	4.5	3.0
	Skegness ...	Fb	b	40	58	Trace	-	4.8	9.0
	Mablethorpe	wbm	b	38	63	-	-	9.2	9.0
	Cleethorpes ...	bwmb	b	39	64	Trace	-	8.2	7.2
3	Leamington S.	cb	b	42	64	-	-	5.8	5.5
4	Cheltenham†	wb	b3o	44	62	Trace	-	7.0	2.6
5	Bath	cbcb	b	47	65	Trace	-	6.8	3.8
	Weymouth ...	b	b	47	66	-	-	9.2	4.3
	Jersey ...	bc	bc	57	67	-	-	7.3	6.5
	Torquay ...	bw3	b	46	62	-	-	8.9	4.3
	Penzance ...	b	b	50	64	-	-	9.7	8.3
	St. Ives ...	b	b	50	59	-	-	8.9	7.4
	Bude	wb	b	38	59	-	-	9.5	9.4
	Ilfracombe ...	b	b	46	60	-	-	9.6	9.9
6	Aberystwyth	cbc	bbc	41	59	-	-	8.2	10.4
7	Llandudno ...	cbc	bbc	46	61	-	-	7.4	9.2
	Colwyn Bay...	bbc	bcbbc	47	63	-	-	8.9	9.2
	Rhyl	b	b	42	63	-	-	8.6	8.9
8	Wallasey ...	b	bbc	46	62	-	-	9.5	8.2
	Southport‖ ...	mbc	bc	43	61	-	-	7.7	9.3
	Blackpool ...	bc	bcc	47	61	-	-	7.1	9.1
	Morecambe ...	cbcb	cbcb	45	60	-	-	5.5	8.0
9	Ilkley... ...	b	b	40	62	Trace	-	6.5	7.4
10	Berwick-on-T.	bcpc	o	49	57	-	0.2	2.8	8.0
11	Dunbar ...	oc	oc	52	58	-	-	0.7	7.4
12	Douglas ...	cbc	cbc	49	60	-	-	3.8	9.7

† 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. 12th Oct. 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Wind south to southwest, light to moderate; mainly fair today, possibly slight rain tomorrow, perhaps local fog tonight; mild.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind south to southwest, veering west, moderate to strong; cloudy, some rain or showers, bright periods tomorrow; mild to moderate temperature.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland	Moderate to strong southerly wind, veering west or northwest; cloudy, some rain, showers and bright periods later; mild, becoming colder, perhaps slight ground frost inland.
15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate to fresh southerly winds, veering west; cloudy, some rain; temperature falling.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 12 - 14.

GENERAL INFERENCE.

A depression south of Iceland is moving northeast and an associated trough of low pressure west of Ireland east. In the north and west weather will be rather unsettled with some rain or showers, but conditions are likely to continue mainly fair in the east today apart from local fog at first.

FURTHER OUTLOOK.

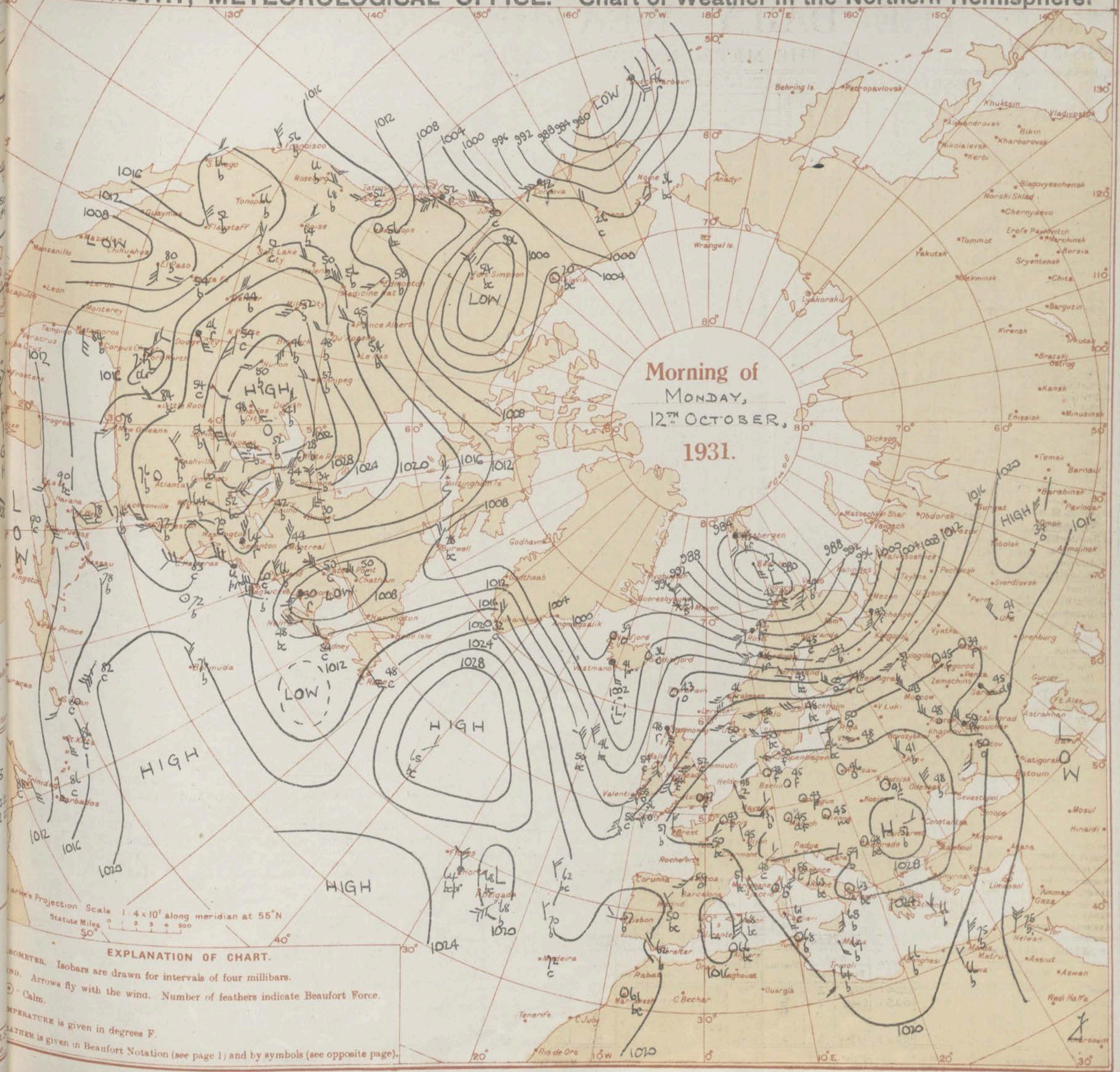
Mainly fair.

Forecasts issued at 1000 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2. Pk. 305/2521. Wt. 15 0 6001 No. 508 11000 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, 12th October 1931.

No. 25526.

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

Division	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1024.6	-10	-	0	F	46	95	0	5	-	-	10	10	<150
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1024.2	-8	NW'N	2	bf-	51	95	4	-	-	-	0	0	-
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1023.6	-10	NE	2	b	50	95	5	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1024.4	-4	-	0	bcf	46	95	2	5	-	-	4-6	4-6	450
	Cranwell	240	1023.6	-10	WSW	1	b	45	95	6	-	-	-	0	0	-
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1023.1	-8	NNE	3	b	57	85	8	4	-	-	Tr	Tr	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1023.2	-8	NE'E	1	bc	51	95	7	5	-	-	2-3	2-3	4000
	Scilly (St. Mary's)	163	1023.2	-14	E'S	2	bc	53	95	7	5	-	-	2-3	2-3	4000
	Guernsey	175	1023.3	-10	E'N	1	b	57	95	7	-	-	-	0	0	-
6	Pembroke	142	1023.4	-6	S	1	bc	54	85	8	7	-	-	2-3	2-3	2500
7	Holyhead	26	1021.2	-10	SSW	4	bc	55	95	7	9	-	-	4-6	4-6	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1022.8	-2	W	2	bc	50	95	6	-	1	-	0	2-3	-
	Tynemouth	67	1021.7	-2	WSW	1	o	54	85	7	5	-	-	10	10	1500
11	Inchkeith	190	1020.6	-2	-	0	o	48	95	7	5	-	-	10	10	2500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1016.5	-4	SW	1	c	47	95	7	4	-	-	7-8	7-8	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1018.5	0	WSW	3	bc	46	85	8	5	-	8	4-6	4-6	2500
16	Lerwick	54	1015.5	+6	SSW	1	pr	49	75	7	9	-	-	7-8	7-8	1500
17	Blacksod Point	18	1014.9	-22	S	6	iR	56	95	6	6	-	-	10	10	<150
18	Malin Head	52	1016.8	-32	SSE	1	c/d	51	95	7	6	1	-	4-6	10	1500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1018.8	-20	S	4	o	55	95	8	5	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	1022.7	-6	-	0	F	48	95	1	5	-	-	10	10	<150	1	*
Croydon	1022.8	-4	-	0	F-	47	95	1	5	-	-	10	10	<150	1	*
S. Farnborough	1022.4	-4	W	1	F	44	95	1	5	-	-	10	10	<150	1	*
Winchester	1022.2	-6	-	0	bc	39	95	5	-	3	-	0	4-6	-	1	*
Boscombe Down	1022.2	-6	ESE	2	bf-	46	95	2	-	-	-	0	0	-	1	*
Calshot, (S'thmtn)	1022.3	-4	NW'N	2	if	46	95	3	-	5	-	0	4-6	-	0	0
Dungeness	*	*	SSE	1	bc	*	*	7	5	-	*	2-3	2-3	2500	*	0
Lympne	1022.2	-4	SE	2	b/f	54	95	5	-	-	-	0	0	-	0	*
Shoeburyness	1022.7	-6	NW	2	F	50	95	1	5	-	-	10	10	<150	1	*
Felixstowe	1023.1	-6	-	0	F	49	95	1	5	-	-	10	10	<150	0	0
Gorleston	1022.8	-4	-	0	f	43	95	2	5	-	-	10	10	<150	0	1
Cranwell	1021.5	-14	S	3	c	42	95	6	-	-	6	0	7-8	-	0	*
Cardington	1022.2	-8	-	0	F	38	95	1	5	-	-	10	10	<150	*	*
Birmingham	1021.5	-10	SSW	1	c	45	95	6	-	5	9	0	7-8	-	1	*
Upper Heyford	1022.4	-8	-	0	bcF	38	95	1	-	-	4	0	4-6	-	1	*
Leafield	1021.8	-16	SSE	3	cf-	43	95	3	5	-	7	1	10	5700	0	*
Ross-on-Wye	1021.5	-14	WSW	1	cF-	37	95	1	5	-	-	9	9	<150	1	*
Portland Bill	1020.8	-8	E	4	c	57	95	7	4	7	8	4-6	7-8	2500	0	2
Plymouth	1020.3	-2	NE	1	bc	53	95	6	5	5	-	4-6	4-6	450	1	1
Falmouth	1019.4	-8	SE	3	o	58	95	6	5	-	-	10	10	1500	1	2
Scilly (St. Mary's)	1019.7	-10	SW	2	f	56	95	2	5	-	-	10	10	<150	0	1
Guernsey	1021.1	-10	ESE	1	b	54	95	7	-	-	-	0	0	-	0	1
Pembroke	1018.6	-20	S	3	c	56	95	8	8	-	-	10	10	2500	1	1
Holyhead	1017.7	-18	SW	4	c	54	95	8	5	7	-	9	9+	800	1	1
Chester (Sealand)	1019.5	-16	SE'S	3	c	42	95	6	-	3	6	0	7-8	-	0	*
L'pool (Bidston)	1019.0	-16	SSE	3	c	46	95	7	5	7	4	2-3	7-8	2500	0	*
Harrogate	1020.4	-6	S	1	c	46	95	5	-	-	9	0	7-8	-	0	*
Spurn Head	1021.0	-2	SW	3	bc	49	95	6	5	-	8	2-3	4-6	1500	1	1
Tynemouth	1018.3	-12	SW	3	c	52	85	6	6	-	-	7-8	7-8	1500	0	2
Inchkeith	1017.0	-12	S	2	c	50	95	7	5	7	-	4-6	9+	2500	0	2
Leuchars	1015.9	-20	E	1	c/d	49	95	7	5	-	-	9+	9+	1500	1	*
Renfrew	1015.4	-26	S	3	c/r	53	95	7	5	1	-	9+	10	4000	1	*
Eskdalemuir	1017.0	-20	SW	4	c	51	95	7	5	-	-	10	10	800	1	*
Tiree	1010.0	-20	SE	5	ir.	54	95	7	6	2	-	7-8	9+	1500	1	4
Stornoway	1010.4	-32	SSE	4	r.r.	48	95	7	5	2	-	9	9+	1500	1	2
Dalwhinnie	1016.6	-20	S	4	c	45	95	6	3	2	-	2-3	10	450	1	*
Aberdeen	1016.6	-14	SSW	1	c/r	47	95	6	6	7	-	1	9+	1500	1	1
Wick	1014.7	-20	SSW	4	r.r.	49	85	8	9	2	-	9	10	1500	1	2
Lerwick	1015.2	+4	-	0	c	49	85	7	5	-	-	9+	9+	1500	1	*
Blacksod Point	1010.7	-24	S	7	cu	56	85	7	9	-	-	9+	9+	<150	1	5
Malin Head	1011.0	-26	S	5	c	54	95	7	5	1	-	7-8	9+	1500	0	2
Aldergrove	1013.9	-18	SE	3	c	52	95	7	5	-	-	10	10	800	1	*
Donaghadee	1015.6	-8	WSW	1	c	53	85	7	5	-	-	7-8	7-8	1500	0	0
Birr Castle	1014.7	-26	SW	2	c	52	85	7	8	-	-	9	9	2500	0	*
Valentia Obsy.†	1014.2	-20	S	5	cjp	55	95	6	5	-	-	10	10	800	1	3
Roches Point	1015.9	-20	SW	3	c	55	85	8	5	-	-	7-8	7-8	2500	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 11° Hrs. (36)
London (Kew)	56	47	44	-	0.1	0.3
Croydon	58	45	41	Tr	0.1	1.3
S. Farnborough	63	42	36	Tr	0.2	3.7
Winchester	65	39	36	-	Tr	6.7
Boscombe Down	64	38	33	Tr	Tr	*
Calshot, (S'thmtn)	61	45	42	-	0.1	4.6
Dungeness	63	43	*	Tr	Tr	*
Lympne	64	47	43	-	Tr	7.4
Shoeburyness	61	42	38	-	Tr	2.8
Felixstowe	59	45	40	Tr	Tr	4.6
Gorleston	60	42	40	-	0.1	4.1
Cranwell	62	37	31	Tr	-	8.0
Cardington	*	*	*	*	*	*
Birmingham	60	43	28	-	-	9.6
Upper Heyford	62	37	32	Tr	Tr	*
Leafield	61	41	28	-	-	7.0
Ross-on-Wye	64	37	33	Tr	0.1	0.0
Portland Bill	62	52	*	-	-	*
Plymouth	62	47	42	-	Tr	9.0
Falmouth	60	50	*	-	0.1	9.5
Scilly (St. Mary's)	59	50	*	-	-	9.7
Guernsey	62	54	48	-	-	7.3
Pembroke	59	40	*	-	Tr	6.7
Holyhead	61	54	49	-	-	5.8
Chester (Sealand)	64	41	37	Tr	0.8	7.2
L'pool (Bidston)	59	44	41	-	-	8.0
Harrogate	61	46	38	-	-	5.8
Spurn Head	62	47	*	-	Tr	8.1
Tynemouth	64	52	48	-	-	*
Inchkeith	55	47	41	-	-	0.1
Leuchars	57	42	33	Tr	Tr	0.0
Renfrew	57	42	35	0.1	0.3	0.4
Eskdalemuir	54	43	36	3	3	0.0
Tiree	56	43	35	0.1	3	4.5
Stornoway	56	46	*	0.4	3	3.8
Dalwhinnie	51	37	33	-	1	0.3
Aberdeen	58	43	37	0.1	1	0.2
Wick	57	43	*	Tr	0.2	*
Lerwick	53	48	*	0.6	2	4.7
Blacksod Point	58	51	*	1	3	*
Malin Head	57	49	*	-	0.4	2.0
Aldergrove	[illegible]	42	42	1	0.4	0.0
Donaghadee	58	49	*	Tr	-	*
Birr Castle	61	51	47	Tr	-	0.8
Valentia Obsy.†	60	53	51	-	0.4	0.0
Roches Point	60	54	*	Tr	-	*

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon (24 hrs. ended 9h.)	Weather Night (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	ofwcm	ombcbfw	bfwoF	56	47	44	-	0.1	0.3	*	*	1
Croydon	217	offcm	cbmfw	bofe	58	45	41	Tr	0.1	1.3	*	*	1
Greenwich (Royal Observatory)	140	Fef	bfFe	bFeofe	60	47	37	Tr	Tr	1.0	83	99	1
City (Bunhill Row)	—									1.3	*	*	*
Westminster (St. James' Park)	27	*	*	*	59	49	45	-	-	3.0	87	91	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	2.1	*	*	*
Camden Square	110	cf	b	*	51	51	42	-	-	*	*	*	*
Kensington	80	omoc	om	*	59	48	39	-	Tr	2.5	At 18h. 93	97 100	*
Hampstead Observatory	450	om	bcm	*	59	45	36	Tr	Tr	3.0		99	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.
3.2	23h. 11th.	0.4	4h.-5h. 12th.

Kew Observatory Max.	Time.	Min.	Time.
1.0	22h. 11th.	0.2	9h. 11th.

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 11th October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 12th October 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	1024.1	NE	2	bc	59	1021.2	-	0	cf	43	70	43	-	-
Brussels	1025.1	ENE	2	b	57	1023.1	SE	2	b	50	68		-	
Berlin		-	0	b	50	1026.7	-	0	f	45	59	41	-	-
Zürich						1024.2	SE	1	c	50		48		-
Rome	1022.3	WSW	2	c	68	1023.0	NNE	1	bc	54	79	52	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 13th October 1931.

No. 25527

OBSERVATIONS at 13h. G.M.T. 12th 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)...	1019.6	-26	WSW	1	bf	58	95	3	-	-	1	0	1	-
	Croydon ...	1019.9	-22	S'E	3	b	61	85	5	-	-	1	0	1	-
	S. Farnborough	1019.6	-20	SSE	2	f	55	95	3	5	-	-	10	10	220
	Winchester ...	1019.1	-22	S	3	bc	63	85	5	5	-	1	4.6	4.6	1500
	Boscombe Down	1019.0	-26	SSE	3	bc	63	85	5	5	-	1	4.6	4.6	800
	Calshot, S'thmtn	1019.8	-18	SE	3	c	60	85	5	5	-	-	9	9	800
	Dungeness ...	*	*	SSE	1	bc	*	*	7	7	1	*	2.3	4.6	2500
	Lympne ...	1019.9	-14	SE	2	b	62	85	6	-	-	1	0	Tr	-
2	Shoeburyness	1020.1	-20	SE	1	f	56	95	2	5	-	-	10	10	<150
	Felixstowe ...	1020.7	-18	SSE	1	f	55	95	3	-	-	-	10	10	<150
	Gorleston ...	1019.8	-14	S'E	3	bcf-	55	95	3	-	-	1	0	2.3	-
	Cranwell ...	1018.0	-24	SE'S	3	bc	61	75	6	-	3	1	0	4.6	-
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1018.0	-16	SSW	2	bc	61	65	6	-	5	-	0	4.6	-
	Upper Heyford	1018.8	-18	S	3	bcz	61	75	4	-	-	4	0	4.6	-
	Leafield ...	1018.2	-26	S'W	3	bc	62	75	6	-	-	2	0	2.3	-
4	Ross-on-Wye ...	1017.5	-20	S	2	bc	63	75	5	-	-	6	0	4.6	-
5	Portland Bill...	1018.7	-18	E	3	c	62	85	6	4	6	-	4.6	7.8	2500
	Plymouth ...	1018.6	-14	-	0	o	57	95	6	5	-	-	10	10	<150
	Falmouth ...	1017.6	-10	SW	2	c	59	85	7	8	1	-	7.8	10	4000
	Scilly (St. Mary's)	1018.2	-10	SW'S	3	c	58	95	7	5	-	-	9+	9+	4000
	Guernsey ...	1018.9	-18	SE	3	b3₀	65	75	5	-	-	-	0	0	-
6	Pembroke ...	1016.3	-16	S	3	c	57	95	7	8	-	-	10	10	2500
7	Holyhead ...	1014.7	-18	SSW	4	c/r	56	95	7	6	-	-	10	10	800
	Chester (Sealand)	1015.9	-30	SSE	3	c	58	75	6	5	3	2	4.6	7.8	2500
8	L'pool (Bidston)	1015.9	-14	SE'S	2	o	55	85	7	5	-	-	10	10	2500
9	Harrogate ...	1016.7	-20	S	3	c	56	75	5	5	8	-	7.8	9+	2500
10	Spurn Head ...	1017.9	0	S'W	3	c	58	75	6	5	3	1	4.6	7.8	2500
	Tynemouth ...	1014.9	-20	S	2	o	55	85	6	6	-	-	10	10	1500
11	Inchkeith ...	1012.0	-18	SW	3	c	56	85	8	8	7	-	2.3	9	4000
	Leuchars ...	1011.9	-30	SSW	2	c/pr	54	85	8	8	2	-	4.6	10	2500
12	Renfrew ...	1011.8	-28	S	3	c/r	55	85	7	6	7	-	1	9+	1500
	Eskdalemuir ...	1012.7	-28	SSW	5	c	52	85	7	5	1	-	9+	10	1500
13A	Tiree ...	1007.1	-12	SW'W	46	c/r	52	75	7	6	2	-	9	9+	1500
13B	Stornoway ...	1000.7	-56	S	8	c	54	95	8	9	2	-	7.8	10	2500
15	Dalwhinnie ...	1008.5	-20	S	4	d₀d₀	50	95	7	8	7	-	7.8	10	450
	Aberdeen ...	1010.8	-28	S	2	c	55	85	6	9	3	-	1	9+	800
	Wick ...	1006.5	-52	SSE	6	c	52	95	7	8	2	-	7.8	10	1500
16	Lerwick ...	1010.8	-36	S	1	r₀r₀	48	85	6	5	-	-	10	10	1500
17	Blacksod Point	1012.0	+20	W	4	c	52	85	8	-	7	-	0	7.8	-
18	Malin Head ...	1009.5	+2	W	4	ir	51	95	6	6	2	-	7.8	10	1500
	Aldergrove ...	1011.3	-24	S	3	ir₀	53	85	7	5	2	-	7.8	10	800
	Donaghadee ...	1012.1	-20	S	2	id₀	55	85	7	5	-	-	7.8	7.8	1500
19	Birr Castle	1012.0	-18	[illegible]	3	ir₀	55	85	8	6	2	-	5	10	1500
20	Valentia Obsy.	1013.6	+10	NNW	4	rr	52	95	6	6	-	-	10	10	800
	Roches Point...	1013.9	-16	SW	4	rr	56	95	7	6	-	-	10	10	1500

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

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)	1017.6	-10	-	0	bf	55	95	3	-	-	-	0	0	-	1	·
Croydon	1017.8	-10	S'E	2	bm	55	95	4	-	-	1	0	Tr	-	1	·
S. Farnborough	1017.2	-10	SE'S	2	bcm	55	95	4	5	-	-	2.3	2.3	2500	1	·
Winchester	1016.9	-10	S'E	3	o	56	95	6	5	-	-	10	10	800	0	·
Boscombe Down	1016.9	-8	SSE	3	o	56	95	5	5	-	-	10	10	450	0	·
Calshot, S'thmtn	1017.8	-8	SSE	3	o	56	95	6	5	-	-	10	10	450	0	1
Dungeness	*	*	E	1	c	*	*	6	5	1	*	4.6	7.8	2500	*	0
Lympne	1018.0	-6	ESE	2	b	55	85	6	-	-	-	0	0	-	0	·
Shoeburyness	1017.0	-20	SE	2	bF	50	95	1	-	-	-	0	0	-	0	·
Felixstowe	1018.3	-10	SE'E	1	bcm	55	95	4	-	-	1	0	2.3	-	0	0
Gorleston	1017.9	-6	SSW	3	bc	56	95	5	-	4	-	0	2.3	-	0	1
Cranwell	1015.9	-8	S'E	3	c	56	95	5	-	3	2	0	7.8	-	0	·
Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	·
Birmingham	1015.6	-6	S	2	c	59	85	6	5	3	-	4.6	9	4000	0	·
Upper Heyford	1016.7	-10	S	2	bcm	56	95	4	-	5	2	0	4.6	-	0	·
Leafield	1016.5	-14	SSE	3	bm	55	95	4	-	-	1	0	1		0	·
Ross-on-Wye	1015.7	-10	WSW	1	c	59	95	6	-	7	2	0	7.8	-	1	·
Portland Bill	1016.8	-14	S'W	1	oF	57	95	1	5	-	-	10	10	1500	1	2
Plymouth	1016.5	-8	SSW	2	c	58	95	6	5	-	-	9+	9+	1500	0	1
Falmouth	1015.6	-4	SW'S	4	c	58	85	7	5	1	-	7.8	10	4000	0	2
Scilly (St. Mary's)	1015.9	-4	SW'S	4	c	55	95	5	5	7	-	4.6	9	4000	0	2
Guernsey	1017.3	-4	-	0	bcm	57	95	5	5	-	-	4.6	4.6	2500	0	1
Pembroke	1015.4	-6	S	3	c	55	95	7	8	1	-	79+	9	2500	1	2
Holyhead	1013.3	-2	SW'S	4	c	56	95	6	6	7	-	2.3	9+	800	1	·
Chester (Sealand)	1014.3	-4	SW'S	2	c	60	75	6	5	2	-	7.8	10	2500	0	·
L'pool (Bidston)	1014.2	0	SW	3	c	58	85	7	5	2	-	7.8	10	1500	0	·
Harrogate	1013.9	-10	S	1	cm	57	85	4	5	-	7	9	10	<150	0	·
Spurn Head	1014.9	-6	S	4	c	57	95	6	5	7	-	2.3	9+	2500	0	2
Tynemouth	1012.8	-6	SW	2	o	56	85	6	6	-	-	10	10	1500	0	1
Inchkeith	1010.6	-4	SSW	3	ir₀	54	85	7	5	2	-	7.8	10	2500	0	2
Leuchars	1010.0	-4	SW	4	c/r₀	54	85	7	5	9	8	7.8	9+	4000	1	·
Renfrew	1011.7	+10	WSW	2	id₀	50	85	6	6	2	-	7.8	10	1500	1	·
Eskdalemuir	1011.7	-4	SSW	5	c/r₀	52	95	7	5	2	-	7.8	10	1500	1	·
Tiree	1010.4	+26	W	5	c	50	75	7	8	7	-	7.8	9+	2500	0	4
Stornoway	1002.9	+20	WSW	8	ir	48	95	7	6	-	-	10	10	2500	2	5
Dalwhinnie	1008.5	0	SW	3	c	46	85	8	9	2	-	4.6	10	800	1	·
Aberdeen	1008.2	-10	SSW	4	c	54	75	7	5	4	9	4.6	7.8	5700	1	1
Wick	1003.4	-4	SSW	5	c	53	85	8	9	4	8	4.6	7.8	1500	1	4
Lerwick	1002.3	-22	S	8	c	52	95	6	5	3	-	7.8	9+	1500	1	·
Blacksod Point	1014.8	+22	WNW	4	c	52	75	8	8	-	-	7.8	7.8	800	0	3
Malin Head	1012.1	+20	WNW	4	c/pr	51	95	7	9	-	-	9+	9+	1500	0	2
Aldergrove	1012.8	+14	W	1	r₀r₀	48	95	7	5	-	-	10	10	800	1	·
Donaghadee	1013.1	+10	W	1	rr	50	85	7	6	-	-	10	10	800	1	0
Birr Castle	1014.7	+12	NW	1	ir	49	95	7	6	-	-	9+	9+	1500	1	·
Valentia Obsy.	1016.6	+22	NNW	4	b	52	85	8	6	3	1	1	1	1500	1	3
Roches Point	1012.9	+10	N	5	ir₀	51	85	8	6	-	-	10	10	1500	1	4

PAST 24 HOURS. WEATHER.

Stations	7h.–13h. 12th (37)	13h.–18h. 12th (38)	18h. 12th to 1h. 13th (39)	1h.–7h. 13th (40)
London (Kew)	oFbf	b3₀bf	bfoFe	ofeom
Croydon	febcm	b3₀m3w	boFFe	oFFed₀
S. Farnborough	ofef	ofbmw	wbmeo	om₀
Winchester	bcm₀ff	bcbom₀	om₀	om₀ff
Boscombe Down	bFfebc	bccbo	bm₀	od₀d₀f
Calshot, S'thmtn	bcfocm	bbcom₀	om₀m	mfe
Dungeness	bc	bc	*	f
Lympne	bm₀	b3₀	bm₀	bm₀Fe
Shoeburyness	off	cifbmbF	bF	or₀m
Felixstowe	fefe	ff bm	bm	bbcorrom
Gorleston	ffo	bcfm	bcbm₀	borff
Cranwell	bccm₀	bccbc	cm₀of	mcpr₀c
Cardington	*	*	bm₀c	com₀
Birmingham	bc	bcc	c	cod
Upper Heyford	bcFm	bcm	bcmw	bccofr₀
Leafield	Febc	bcbmw	bmod	od₀
Ross-on-Wye	cmczbcz	cx bcc	co	oPoc
Portland Bill	cz₀	cffFf	ocwz₀	cdd
Plymouth	bcom₀	ocm₀	cm₀	cm₀rr
Falmouth	ofd₀	c	or₀	ocrq
Scilly (St. Mary's)	ffc	c	comrr	cq
Guernsey	bcbz	bzbc	bcobw	bbccw
Pembroke	c	c	orr	o,c
Holyhead	d₀,r₀	r₀c	r₀r₀q	c
Chester (Sealand)	cm₀	cm₀	cir	r₀c
L'pool (Bidston)	bcco	c	cdr₀	cbc
Harrogate	bcc	cp₀m	cr	crrc
Spurn Head	bcc	bc	cbcwz	bccr₀
Tynemouth	com	o	oir₀	or₀r₀
Inchkeith	bcv	c	cir₀bc	bc
Leuchars	cid₀p₀r	cp₀rir₀	cbcw	bcwbx
Renfrew	c	ir₀r₀r₀	cir₀b	bw
Eskdalemuir	c	cir₀	cir₀	c,bw
Tiree	cir	cbcc	bc	pr₀bc
Stornoway	oir	coir	bccirq	bcpr₀
Dalwhinnie	r	r	*	bc
Aberdeen	or₀cz₀	cbc	bc	bcbw
Wick	crr₀orr	c	bc [illegible]	bc
Lerwick	or₀r₀m₀	orr₀m₀cm₀	cir₀ [illegible]	cir₀ [illegible]
Blacksod Point	prc	prc	prc	c
Malin Head	c	circ	cbcpr₀bc	bcpr
Aldergrove	cid₀	rrcr₀r₀	rrcbc	bxf
Donaghadee	cid₀	corr	cir₀c	cbcbw
Birr Castle	cir₀	cir	crbcb	bx
Valentia Obsy.	cir₀crr	crrir₀bc	bccprbc	bcprbc
Roches Point	corr	rrr₀r	cr₀cbc	bc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
f_s, 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.

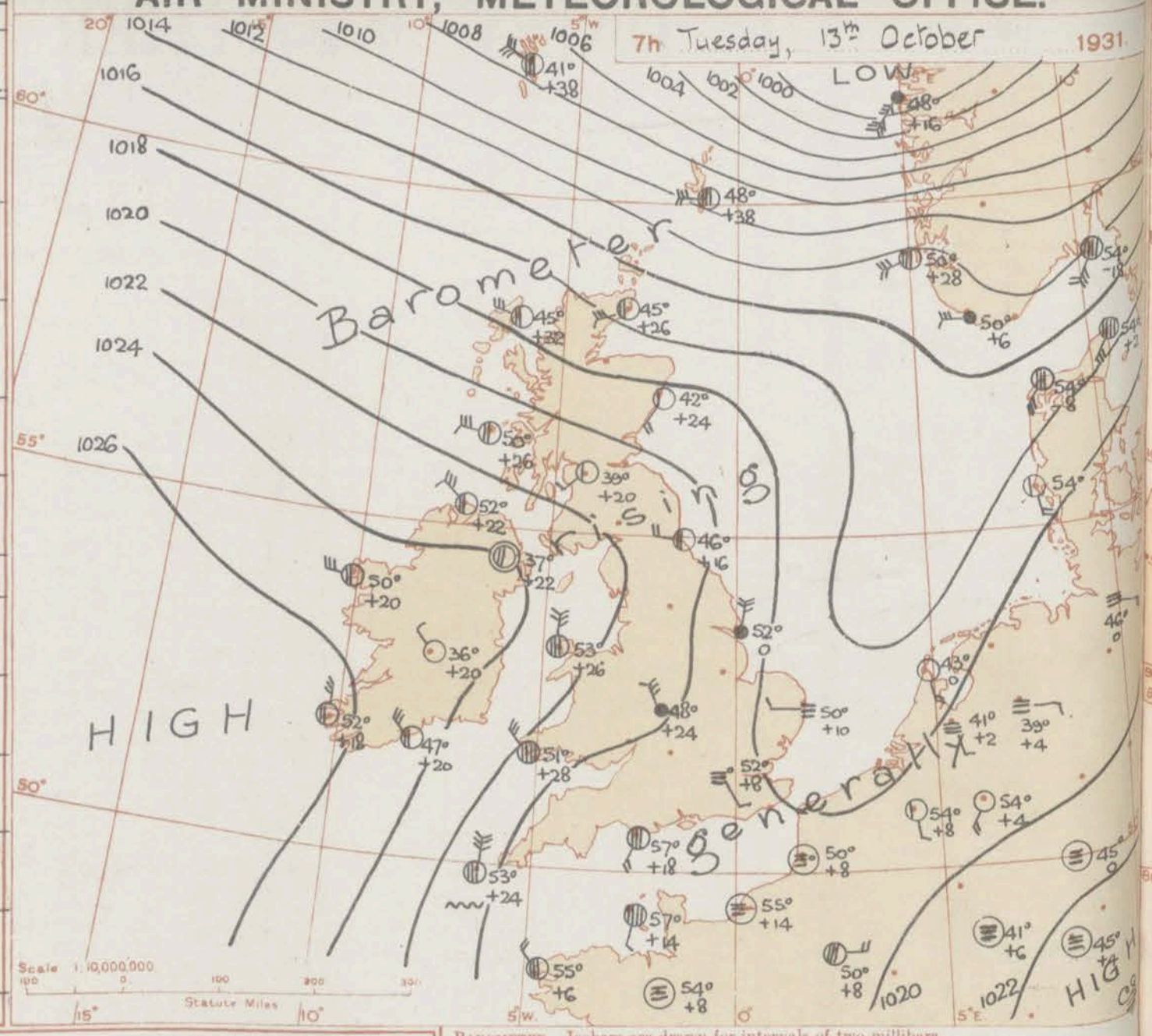
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 12th October 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 17h. 12th	Sunshine. Sunrise to Sunset. 11th
1	Tunbridge W.	ofcbc	bcb	45	66	Tr	–	4.5	4.9
	Bournemouth	mbc	co	42	63	–	–	3.2	8.1
	Ventnor ...	ofcf	ocof	54	62	Tr	–	0.1	3.8
	Southsea ...	co	o	47	60	–	–	0.0	4.3
	Bognor Regis	o	o	48	59	–	–	0.0	5.4
	Littlehampton	c	co	45	59	–	–	0.0	6.3
	Worthing ...	oco	o	49	59	Tr	–	0.1	7.5
	Brighton ...	o	bco	51	59	Tr	–	0.8	8.3
	Eastbourne†	fmb	bmf	51	62	–	–	2.0	8.9
	Hastings‡ ...	bmbcb	b	51	62	0.2	–	6.0	8.4
	Folkestone ...	wbzo	b	51	65	–	–	8.7	7.6
	Dover... ...	b	b	47	64	–	–	8.6	7.9
	Deal	b	b	46	66	–	–	8.1	6.5
	Ramsgate ...	b	b	49	63	Tr	–	8.9	6.6
	Margate ...	bcmo	bc	50	67	–	–	8.7	3.4
2	Southend ...	bf	bmf	47	62	Tr	–	3.9	2.4
	Maldon ...	ef	cbc	40	63	Tr	–	2.0	2.5
	Clacton-on-Sea	cmcb	cm	46	58	–	–	0.9	3.9
	Dovercourt ...	wfbm	bm	48	57	–	–	0.7	5.5
	Lowestoft ...	bfbz	bbmo	42	57	0.3	–	4.1	4.5
	Skegness ...	Fb	bbcmo	37	61	Tr	–	7.3	4.8
	Mablethorpe	wbc	bbc	38	62	–	–	6.9	9.2
	Cleethorpes ...	bwb	bcm	38	63	–	–	5.0	8.1
3	Leamington S.	bc	bc	35	67	–	–	4.5	5.8
4	Cheltenham†	bcwc	bbcbq	40	64	–	–	6.8	7.0
5	Bath	bcb	bcb	38	69	–	–	8.5	6.9
	Weymouth ...	b	bbc	48	65	–	–	5.7	9.2
	Jersey ...	bcb	b	56	66	–	–	9.5	7.3
	Torquay ...	omfw	mbcm	45	64	–	–	1.9	8.9
	Penzance ...	c	c	50	60	–	–	0.0	9.9
	St. Ives ...	c	o	50	60	Tr	–	0.1	8.9
	Bude	wco	o	43	61	–	–	0.0	9.5
	Ilfracombe ...	bcc	bcco	48	64	–	–	5.1	9.6
6	Aberystwyth	c	coejp	45	59	–	–	0.0	8.6
7	Llandudno ...	c	cido	49	59	–	–	0.0	7.4
	Colwyn Bay...	oc	co	50	59	–	–	0.0	8.9
	Rhyl	czo	c	45	60	–	–	0.0	8.4
8	Wallasey ...	c	coc	45	59	–	–	0.0	9.6
	Southport‖ ...	oco	opo	45	57	–	Tr	0.5	7.7
	Blackpool ...	oc	co	45	57	–	–	0.2	7.1
	Morecambe ...	c	bcond	48	57	–	Tr	0.1	5.5
9	Ilkley... ...	mcc	om	41	60	–	–	0.0	6.5
10	Berwick-on-T.	oc	o	44	56	–	–	0.2	2.8
11	Dunbar ...	bc	c	46	56	–	–	0.0	0.9
12	Douglas ...	cide	c	52	56	1	Tr	0.4	3.8

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with the wind. Number of feathers indicate Beaufort force. Calm. - ⊙
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :—
○ Clear sky. ◐ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◒ Sky 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 Oct. 1931.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Light or moderate north to northwest winds; cloudy to bright; moderate temperature, chance of local ground frost tonight.
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 north to northwest winds; mainly fair, perhaps showers at first; moderate temperature, chance of local ground frost tonight.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland.	Moderate or fresh northwest to west winds, probably backing southwest or south tomorrow and becoming strong, perhaps gale; fair today, apart from local showers, cloudy, probably some rain tomorrow; temperature rising tomorrow.
14. Mid-Scotland 15. N.E. Scotland	As 5 - 11.
16. Orkneys and Shetlands.	Moderate to strong westerly winds; mainly cloudy, showers; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate north to northwest winds, probably backing tomorrow; fair today apart from a few scattered showers, possibly becoming less fair tomorrow; moderate temperature, chance of local ground frost inland tonight.

GENERAL INFERENCE.

Pressure is at present rising briskly over the British Isles with the advance of an anticyclonic wedge from the West, but a deep depression is developing south of Greenland, and is likely to move quickly east. In Eastern England weather will be cloudy with some local drizzle at first tending to improve; elsewhere conditions will be temporarily fair apart from local showers.

FURTHER OUTLOOK.

Unsettled in the North, uncertain in the South.

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.1. 305/2321. 15 3 2001 6a/8B 11068 1010

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
Tuesday, 13th October 1931.
No. 25527

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1017.4	0	W	2	F	48	95	1	5	-	-	10	10	<150
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1017.5	-2	E'S	1	o	55	95	4	5	-	-	10	10	450
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1016.7	-8	SE'E	2	bc	56	95	6	5	-	-	2-3	2-3	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1016.0	-4	S'W	1	b	54	95	6	-	-	-	0	0	-
	Cranwell ...	240	1015.9	0	W'S	1	of	52	95	3	5	-	-	10	10	450
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1016.2	-4	SW	3	c	58	95	6	5	-	-	7-8	7-8	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1015.2	0	SSW	3	r_0f_0	56	95	7	6	-	-	10	10	2500
	Scilly (St. Mary's)	163	1015.8	+4	N'E	7	c	52	95	7	5	-	-	9+	9+	4000
	Guernsey ...	175	1017.2	-2	SSW	1	b	53	95	8	-	-	-	0	0	-
6	Pembroke ...	142	1015.8	+10	N	4	dr	50	95	5	9	-	-	10	10	1500
7	Holyhead ...	26	1017.1	+20	N	5	c|r	52	95	7	6	-	-	9+	9+	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1015.1	0	SW	1	bc	54	95	5	5	-	-	4-6	4-6	800
	Tynemouth ...	67	1015.2	+20	W	2	r_0f_0	50	85	6	6	-	-	10	10	1500
11	Inchkeith ...	190	1015.4	+18	WSW	4	bc	49	95	7	5	-	-	2-3	2-3	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1011.9	+24	W	4	bc	48	95	8	6	-	-	4-6	4-6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1009.8	+40	SW	3	bc	48	85	8	5	-	-	2-3	2-3	2500
16	Lerwick ...	54	1000.1	+20	SW	8	ir_0	48	85	7	5	-	-	10	10	1500
17	Blacksod Point	18	1020.1	+26	WNW	3	bc	52	75	7	3	-	-	4-6	4-6	800
18	Malin Head ...	52	1018.1	+24	WNW	4	bcjp	52	85	8	2	-	-	2-3	2-3	2500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1022.3	+20	N	4	b	53	95	9	-	-	-	0	0	-
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1019.0	+18	SW	1	o	53	95	4	5	-	-	10	10	800	1	*
Croydon	1018.4	+8	SE	1	o/f	52	95	4	5	-	-	10	10	800	1	*
S. Farnborough	1019.2	+14	-	0	o	53	95	5	5	-	-	10	10	450	1	*
Winchester	1019.0	+14	-	0	f	52	95	2	5	-	-	10	10	<150	0 1	*
Boscombe Down	1018.8	+10	-	0	rf	52	95	3	5	-	-	10	10	800	1	*
Calshot, (S'thmtn)	1018.5	+8	NW/N	2	f-	54	95	3	5	-	-	10	10	800	0	0
Dungeness	*	*	NW	2	f	*	*	3	5	-	*	10	10	<150		0
Lympne	1018.5	+14	N'W	3	F	48	95	1	5	-	-	10	10	<150	0	*
Shoeburyness	1018.5	+20	SW	2	o	52	95	4	5	-	-	10	10	450	1	*
Felixstowe	1017.9	+10	WNW	3	o	52	95	4	5	-	-	10	10	450	1	2
Gorleston	1017.4	+10	W'N	1	F	50	95	1	5	-	-	10	10	<150	1	1
Cranwell	1019.1	+26	NNW	3	c	52	95	6	5	2	-	9	10	800	1	*
Cardington	1018.4	+18	WSW	2	o	54	95	5	5	-	-	10	10	800	*	*
Birmingham	1020.2	+24	NNW	4	dd	48	95	5	6	-	-	10	10	450	1	*
Upper Heyford	1018.7	+18	WSW	1	cr_0	53	95	4	5	-	-	10	10	450	1	*
Leafield	1018.8	+10	NW/W	2	cd_0	53	95	5	6	-	-	10	10	800	1	*
Ross-on-Wye	1019.9	+34	N	2	c	51	85	8	5	2	-	4-6	10	2500	1	*
Portland Bill	1018.2	+18	SW	2	c/d	57	85	7	4	7	-	7-8	10	1500	1	2
Plymouth	1018.4	+4	NNW	4	rr	52	95	6	8	-	-	10	10	450	1	1
Falmouth	1017.8	+14	N	6	cq	53	85	8	8	1	-	7-8	9	4000	1	3
Scilly (St. Mary's)	1021.0	+24	N'E	6	c	53	85	7	7	4	-	4-6	7-8	4000	1	4
Guernsey	1018.4	+14	SSW	1	c	57	95	6	8	-	-	10	10	1500	0	1
Pembroke	1021.9	+28	NW	3	c	51	95	8	6	4	-	10	10	1500	1	2
Holyhead	1022.0	+26	N	5	c	53	95	8	2	3	1	4-6	7-8	1500	1	2
Chester (Sealand)	1021.8	+32	NNW	3	c	49	95	6	5	3	-	4-6	7-8	5700	1	*
L'pool (Bidston)	1021.5	+22	N'W	3	bc	51	75	8	4	4	-	2-3	4-6	2500	0	*
Harrogate	1020.5	+20	NW	1	c	46	95	8	6	3	-	2-3	9	4000	1	*
Spurn Head	1018.6	+6	NNE	5	r	52	95	6	3	2	-	4-6	9+	1500	1	3
Tynemouth	1020.5	+16	WNW	2	bc	46	85	6	2	-	1	4-6	4-6	2500	1	1
Inchkeith	1020.6	+20	SW	3	bc	45	95	6	-	4	-	0	2-3	-	0	2
Leuchars	1019.9	+22	WSW	3	b	38	95	8	4	6	1	Tr	1	4000	1	*
Renfrew	1021.7	+20	SW	1	b	39	95	7	5	-	-	Tr	Tr	1500	1	*
Eskdalemuir	1021.5	+30	NW/N	3	b	45	75	9	-	4	-	0	Tr	-	1	
Tiree	1021.0	+26	WNW	4	bc	50	85	7	8	7	-	2-3	2-3	2500	1	3
Stornoway	1018.0	+32	WNW	3	bc	45	85	8	8	2	-	4-6	4-6	2500	1	2
Dalwhinnie	1020.4	+24	SW	2	bc	44	85	8	1	1	-	2-3	4-6	1500	0	
Aberdeen	1018.7	+24	SW	2	b	42	85	7	-	7	-	0	1	-	1	1
Wick	1015.4	+26	WSW	4	bc	45	95	8	8	7	8	2-3	4-6	2500	0	3
Lerwick	1009.8	+38	W	5	c	48	65	7	8	-	-	9	9	1500	1	
Blacksod Point	1024.8	+20	WNW	3	bc	50	75	8	5	-	-	4-6	4-6	800	0	2
Malin Head	1022.6	+22	NW	4	bcjp	52	85	8	3	8	-	2-3	2-3	2500	1	2
Aldergrove	1024.2	+22	-	0	fg	37	95	7	8	-	-	2-3	2-3	2500	1	*
Donaghadee	1022.6	+28	W	1	c	49	95	7	8	-	-	7-8	7-8	2500	0	0
Birr Castle	1025.0	+20	NW	1	b	36	95	7	-	-	-	0	0	-	1	*
Valentia Obsy.†	1026.8	+18	N	3	bc	52	85	8	8	-	-	4-6	4-6	2500	1	3
Roches Point	1024.4	+20	NW	3	bc	47	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)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 12th Hrs. (36)
London (Kew)	62	50	45	Tr	Tr	4.8
Croydon	63	47	47	—	0.1	5.3
S. Farnborough	62	50	43	Tr.	0.1	2.3
Winchester	65	51	45	-	-	6.0
Boscombe Down	64	51	47	-	1	
Calshot, (S'thmtn)	61	52	46	Tr.	-	3.2
Dungeness	60	42	*	-	Tr	*
Lympne	62	47	45	Tr	0.1	9.5
Shoeburyness	58	43	36	Tr.	1	1.7
Felixstowe	56	42	37	Tr.	1	0.3
Gorleston	59	48	45	-	0.3	4.6
Cranwell	64	47	44	-	0.1	5.9
Cardington	*	*	*	*	*	*
Birmingham	64	48	47	-	0.6	5.9
Upper Heyford	63	52	44	-	Tr	*
Leafield	63	51	38	-	0.1	7.1
Ross-on-Wye	65	50	49	-	1	4.3
Portland Bill	63	56	*	—	0.1	*
Plymouth	59	52	51	-	6	0.6
Falmouth	59	51	*	Tr.	3	0.5
Scilly (St. Mary's)	58	52	*	-	2	0.2
Guernsey	65	53	46	-	-	8.7
Pembroke	57	49	*	Tr	6	0.0
Holyhead	56	50	47	Tr.	3	0.0
Chester (Sealand)	60	49	46	-	1	0.2
L'pool (Bidston)	58	50	47	-	1	0.4
Harrogate	58	46	46	Tr.	2	0.1
Spurn Head	60	52	*	-	Tr	5.2
Tynemouth	57	46	42	-	3	*
Inchkeith	56	45	41	Tr.	0.1	0.0
Leuchars	57	36	27	Tr.	-	0.2
Renfrew	56	37	28	2	0.5	0.1
Eskdalemuir	52	42	35	0.3	3.2	0.0
Tiree	54	49	41	2	0.4	0.0
Stornoway	54	45	*	7	2	0.5
Dalwhinnie	50	41	33	3	Tr	0.2
Aberdeen	57	41	32	0.3	-	0.5
Wick	55	43	*	4	-	*
Lerwick	53	47	*	4	1	0.1
Blacksod Point	58	49	*	8	0.4	*
Malin Head	54	49	*	2	2	0.0
Aldergrove	53	36	26	4	1	0.0
Donaghadee	56	43	*	7	3	*
Birr Castle	55	36	27	8	0.3	0.0
Valentia Obsy.†	56	49	45	9	1	1.2
Roches Point	58	46	*	14	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 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h. (To-day)
Kew ...	18	oFbf	bz.bf	bFfeom	62	50	45	Tr	Tr	4.8	•	•	5
Croydon ...	217	febcm	bz.m.w	bofFed	63	47	47	-	0.1	5.3	•	•	4
Greenwich (Royal Observatory) ...	149	Fob	bmbwc	Fem	68	47	35	Tr	Tr	5.4	67	96	4
City (Bunhill Row) ...	—	•	•	•	•	•	•	•	•	2.7	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	65	52	47	-	-	4.5	89	93	•
Regents Pk. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	•	3.3	•	•	•
Camden Square ...	110	f	fb	•	62	52	46	-	-	5.2	At 18h.	93	•
Kensington ...	80	ofom	om	•	64	51	43	-	Tr	4.8	92	95	•
Hampstead Observatory ...	450	ofbcm	bcm	•	63	48	46	Tr	0.1	2.9		97	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington.			
Max.	Time.	Min.	Time.
2.0	11h-12h 12th	Nil	2h-5h 13th

Kew Observatory.			
Max.	Time.	Min.	Time.
0.6	12h 12th	0.1	1h-5h 13th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 12th October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 13th October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris ...	1018.1	SE	2	b		1019.0	E	2	c	50	68		-	
Brussels ...	1019.0	E	2	b	57	1018.7	S	1	b	54	70	50	-	-
Berlin ...	1023.6	ESE	2	c	55	1020.7	SSE	2	F	43	63	43	-	-
Zürich ...	1021.5	SW/S	1	?	?	1023.4	N	1	F	48	64	48	-	Tr
Rome ...	1022.1	SW	3	b	63						79		-	

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 14th October, 1931.

No. 25528

OBSERVATIONS at 13h. G.M.T. 13th 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)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1022.5	+12	N	3	o	57	85	5	5	-	-	10	10	800
	Croydon	1021.9	+12	W'S	1	cm	57	85	4	5	-	-	9+	9+	1500
	S. Farnborough	1022.3	+14	NNW	2	o	57	85	6	5	-	-	10	10	800
	Winchester	1022.1	+10	N	4	o	54	95	5	5	-	-	10	10	450
	Boscombe Down	1022.7	+18	N	4	o	51	95	6	5	-	-	10	10	1500
	Calshot, S'thmtn	1021.9	+20	NW'N	4	c	58	85	5	5	-	-	10	10	1500
	Dungeness	*	*	ENE	1	cm	*	*	4	5	2	*	4.6	10	800
	Lympne	1020.9	+2	N'W	2	o	57	85	5	5	-	-	10	10	1500
2	Shoeburyness	1021.4	+12	NW	3	c	60	85	5	5	5	-	9	9	1500
	Felixstowe	1021.3	+14	WNW	2	o	59	85	5	5	-	-	10	10	800
	Gorleston	1020.6	+10	N'W	4	dd	56	95	5	6	-	-	10	10	800
	Cranwell	1023.8	+18	NNW	4	c	52	85	7	5	-	-	9+	9+	1500
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1024.1	+10	NNW	3	bcm	53	75	4	-	5	-	0	4.6	-
	Upper Heyford	1023.7	+18	N'E	3	r,r.	50	95	4	6	-	-	10	10	800
	Leafield	1023.2	+20	N	4	o/r	48	95	6	5	-	-	10	10	800
4	Ross-on-Wye	1024.5	+14	N'W	3	c	54	65	7	5	7	-	7.8	9	4000
5	Portland Bill	1021.8	+16	N	3	c	56	85	6	4	2	-	7.8	10	1500
	Plymouth	1022.8	+16	NNE	3	c	55	85	9	8	-	-	9+	9+	1500
	Falmouth	1023.2	+10	N	6	q	54	85	8	8	-	-	10	10	4000
	Scilly (St. Mary's)	1024.5	+12	NNE	7	bc	56	75	7	8	3	-	2.3	4.6	4000
	Guernsey	1021.4	+10	NNW	2	c	60	95	6	8	6	-	7.8	10	2500
6	Pembroke	1026.6	+20	NW	4	bc	56	85	8	4	-	-	4.6	4.6	2500
7	Holyhead	1026.3	+18	N'E	4	bc	56	85	8	1	-	2	2.3	2.3	1500
	Chester (Sealand)	1025.5	+14	NNW	4	b	57	65	7	1	-	-	1	1	4000
8	L'pool (Bidston)	1025.6	+6	N'W	4	b	54	75	9	1	-	-	1	1	4000
9	Harrogate	1024.0	+14	NW	3	b	56	55	8	1	4	-	Tr.	1	4000
10	Spurn Head	1022.6	+4	N	5	c	54	85	7	5	3	1	4.6	9+	4000
	Tynemouth	1024.2	+8	NW	1	bc	56	65	7	1	-	-	2.3	2.3	2500
11	Inchkeith	1023.0	+10	SW	4	bc	55	75	8	1	6	3	2.3	4.6	4000
	Leuchars	1022.3	+6	WNW	4	bc	58	65	9	1	6	5	4.6	4.6	4000
12	Renfrew	1025.1	+14	W	3	bc	57	55	8	7	-	1	4.6	4.6	4000
	Eskdalemuir	1024.1	+8	WNW	3	bc	55	55	8	1	-	-	4.6	4.6	2500
13A	Tiree	1025.6	+18	WNW	4	c	53	75	8	1	7	6	1	9+	2500
13B	Stornoway	1021.7	+8	W	3	c	52	65	8	8	7	8	4.6	7.8	2500
15	Dalwhinnie	1023.5	+18	SW	4	bc	50	55	8	1	1	-	2.3	4.6	4000
	Aberdeen	1021.8	+8	WSW	3	bc	55	55	8	8	3	1	1	4.6	4000
	Wick	1020.0	+16	WNW	4	bc/pr	48	75	8	3	4	1	4.6	4.6	1500
16	Lerwick	1014.1	+4	W	3	c	49	65	8	8	3	-	4.6	7.8	1500
17	Blacksod Point	1022.6	+24	N	4	bc	55	75	8	3	-	-	4.6	4.6	800
18	Malin Head	1027.2	+16	NW	4	bc	54	75	8	1	9	1	1	4.6	2500
	Aldergrove	1027.0	+10	W'N	2	c	57	75	8	8	3	8	7.8	7.8	2500
	Donaghadee	1026.2	+12	N'W	2	c	55	75	8	5	3	-	4.6	7.8	2500
19	Birr Castle	1028.8	+14	N	2	c	55	65	8	7	-	9	7.8	7.8	2500
20	Valentia Obsy.	1030.0	+12	NNW	4	bc	57	75	9	8	-	4	4.6	4.6	2500
	Roches Point	1028.1	+10	N	4	bc	57	65	9	8	-	-	2.3	2.3	1500

OBSERVATIONS at 18h. G.M.T. 13th 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)	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)	1026.7	+22	NE	2	bc	52	85	5	5	-	-	4.6	4.6	800	1	*
	Croydon	1025.7	+22	N'E	2	om	53	85	4	5	-	-	10	10	800	1	*
	S. Farnborough	1026.8	+32	NNE	1	c	50	95	5	5	3	-	7.8	7.8	1500	1	*
	Winchester	1026.4	+18	N'E	2	c	52	85	6	5	-	-	9+	9+	2500	1	*
	Boscombe Down	1026.7	+22	NNE	2	c	50	95	5	5	7	-	4.6	9	4000	1	*
	Calshot, S'thmtn	1025.6	+22	N	4	c	54	85	6	5	-	-	7.8	7.8	1500	0	1
	Dungeness	*	*	N	3	v	*	*	4	6	-	*	10	10	1500	*	0
	Lympne	1024.1	+10	N	3	id.	55	95	5	5	-	-	10	10	450	0	*
2	Shoeburyness	1025.2	+26	N	2	c/d	54	95	7	5	-	-	9+	9+	800	0	*
	Felixstowe	1025.3	+26	NW'N	2	c	53	95	7	5	-	-	10	10	1500	0	1
	Gorleston	1024.7	+24	NNW	2	c	53	95	6	4	-	-	10	10	2500	0	2
	Cranwell	1026.8	+22	NW	2	b	46	85	6	-	4	-	0	Tr.	-	0	*
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1027.6	+22	NNW	4	b	51	75	5	-	-	-	0	0	-	0	*
	Upper Heyford	1027.4	+20	N'E	2	bm	51	85	4	-	3	-	0	Tr.	-	1	*
	Leafield	1026.7	+26	NNW	2	b	47	95	6	-	3	-	0	1	-	1	*
4	Ross-on-Wye	1027.2	+20	N	2	b	51	75	8	-	-	1	0	1	-	1	*
5	Portland Bill	1025.3	+26	NE'N	4	c	54	75	6	4	6	9	4.6	7.8	2500	0	3
	Plymouth	1026.5	+22	NNE	3	c	54	85	7	5	3	-	2.3	9	4000	1	1
	Falmouth	1026.7	+16	NNE	4	c	55	75	8	8	-	-	7.8	7.8	4000	0	2
	Scilly (St. Mary's)	1027.6	+14	NNE	7	bc	54	85	7	1	4	-	2.3	4.6	4000	0	4
	Guernsey	1024.6	+26	N	3	c0	57	95	6	5	-	-	10	10	1500	0	2
6	Pembroke	1029.8	+8	NNW	3	bc	56	95	8	4	-	-	4.6	4.6	2500	0	2
7	Holyhead	1028.6	+14	NNW	4	c	54	85	8	4	-	2	4.6	7.8	1500	1	1
	Chester (Sealand)	1028.5	+16	NNW	2	bc	50	85	7	1	-	-	2.3	2.3	2500	1	*
8	L'pool (Bidston)	1028.4	+14	NW'N	4	b	52	75	9	1	-	4	1	1	4000	0	*
9	Harrogate	1026.8	+20	SW'S	2	bc	48	75	7	-	-	2	0	2.3	-	1	*
10	Spurn Head	1025.2	+6	N	2	bc	52	85	7	-	1	-	0	2.3	-	0	2
	Tynemouth	1025.2	+8	W	2	bc	52	75	6	1	-	-	4.6	4.6	2500	0	1
11	Inchkeith	1024.8	+12	W	4	bc	51	85	8	5	4	-	1	4.6	5700	0	2
	Leuchars	1024.4	+14	W	3	bc	49	65	9	4	-	8	Tr.	4.6	4000	0	*
12	Renfrew	1026.9	+10	W	3	c	47	75	7	4	-	6	1	7.8	2500	1	*
	Eskdalemuir	1027.1	+14	WNW	4	bc	45	75	8	1	-	2	Tr.	4.6	2500	1	*
13A	Tiree	1027.5	+12	W'N	4	c	51	85	7	7	4	8	1	9+	2500	0	3
13B	Stornoway	1023.0	+12	W	3	ir	50	85	8	8	7	-	7.8	9	800	1	1
15	Dalwhinnie	1025.2	+4	SW	3	bc	45	75	8	4	2	-	4.6	4.6	1500	0	*
	Aberdeen	1022.5	+4	W	4	bc	50	55	7	5	-	9	1	2.3	4000	1	1
	Wick	1019.3	-4	W	4	c/pr	47	85	8	8	2	8	4.6	7.8	1500	1	3
16	Lerwick	1013.5	-4	WNW	7	pr	43	75	7	9	-	-	9	9	1500	2	*
17	Blacksod Point	1031.2	+18	N	2	bc	52	75	8	4	-	-	4.6	4.6	800	0	3
18	Malin Head	1029.1	+14	NW	3	bc	52	85	8	7	3	-	2.3	2.3	2500	0	2
	Aldergrove	1029.8	+14	WNW	2	c	49	75	8	7	-	8	Tr.	7.8	2500	1	*
	Donaghadee	1028.9	+12	NNW	2	c	50	75	8	5	2	-	4.6	7.8	2500	0	1
19	Birr Castle	1030.4	+14	N	1	bc	49	85	8	-	4	1	0	4.6	-	1	*
20	Valentia Obsy.	1032.0	+14	NNE	4	c	54	75	8	8	-	6	7.8	9	2500	1	3
	Roches Point	1030.7	+16	N	3	c	56	65	9	5	-	4	2.3	7.8	2500	0	2

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. 13th (37)	13h.–18h. 13th (38)	18h. 13th to 1h. 14th (39)	1h.–7h. 14th (40)
1	London (Kew)	cmo3.g	o3.bcm.	bmw	bmwbm.w
	Croydon	omem.	orfm	obmFe	bFmw
	S. Farnborough	om.	oid.c	bcbwf	bw×bcf
	Winchester	ffom.	ocm.	cm.bff	bfbcw
	Boscombe Down	or.r.f	cm.	cbcm.	bccwm.
	Calshot, S'thmtn	ofecm.	cm.	bwm.	bbcwm.
	Dungeness	f	o	*	f
	Lympne	oFom	cod.m	od.cb	bfcmc
2	Shoeburyness	ocm	omod.	c	bcm.w
	Felixstowe	om	o3.d.	cb	bc3.w
	Gorleston	offdd	cddcm.	cm.bcb	bcce
	Cranwell	cp.rc	c,bbc	bm.m	bmcm.
3	Cardington	*	*	bx	b×cm.
	Birmingham	ordm	bcb	b	bbc
	Upper Heyford	d.d.m.	cm.dm	bmf	bfbcm
	Leafield	oid.r	ocb	Bw	bwbc
4	Ross-on-Wye	c	cb	bw	bmwc
5	Portland Bill	cd.c3.	c,c3.	cbc3.	bc
	Plymouth	om.r.c	cir.d.	c	c
	Falmouth	cf.q	cq,bc	bc	bc
	Scilly (St. Mary's)	cbc	bc	bcb	bbc
	Guernsey	oco	o	od.o	ocbc
6	Pembroke	bc	bc	bc	bc
7	Holyhead	bc	bc	bcb	bbc
	Chester (Sealand)	m.bc	b	bbcm.	bbc
8	L'pool (Bidston)	bcbv	by	b	bcc
9	Harrogate	cb	b	bbc	bc
10	Spurn Head	cr.c	cbc	bc	bcc
	Tynemouth	bc	bc	bcb	bbc
11	Inchkeith	bc	bc	bc	bcc
	Leuchars	bxbcv	bcvy	bcw	bccw
12	Renfrew	bcw	bcyc	cbc	bcc
	Eskdalemuir	bwbcy	bcy	bcc	cbc
13A	Tiree	bcc	c	cbc	c
13B	Stornoway	bcc	cir.	cpr,c	cir.
15	Dalwhinnie	bc	bc	→	c
	Aberdeen	bbc	bccby	bcpr.	bcprc
	Wick	bcpr	bccr	cpr	prd.c
16	Lerwick	cp.r	cpr	cpr,bc	bcc
17	Blacksod Point	c	bc	c	c
18	Malin Head	bcp.	bc	bccp.bc	bc
	Aldergrove	bcc	bcc	cbc	bcc
	Donaghadee	bbcc	c	bbc	bcw
19	Birr Castle	bbcc	cbc	bcb×	b×bcc
20	Valentia Obsy.	bccbc	bcc	cbcb	bwbcw
	Roches Point	bcy	bcvcv	cubcw	bcw

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
f_s, fog over sea (coast station).
f_g, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
$k/_o$, 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 or 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.

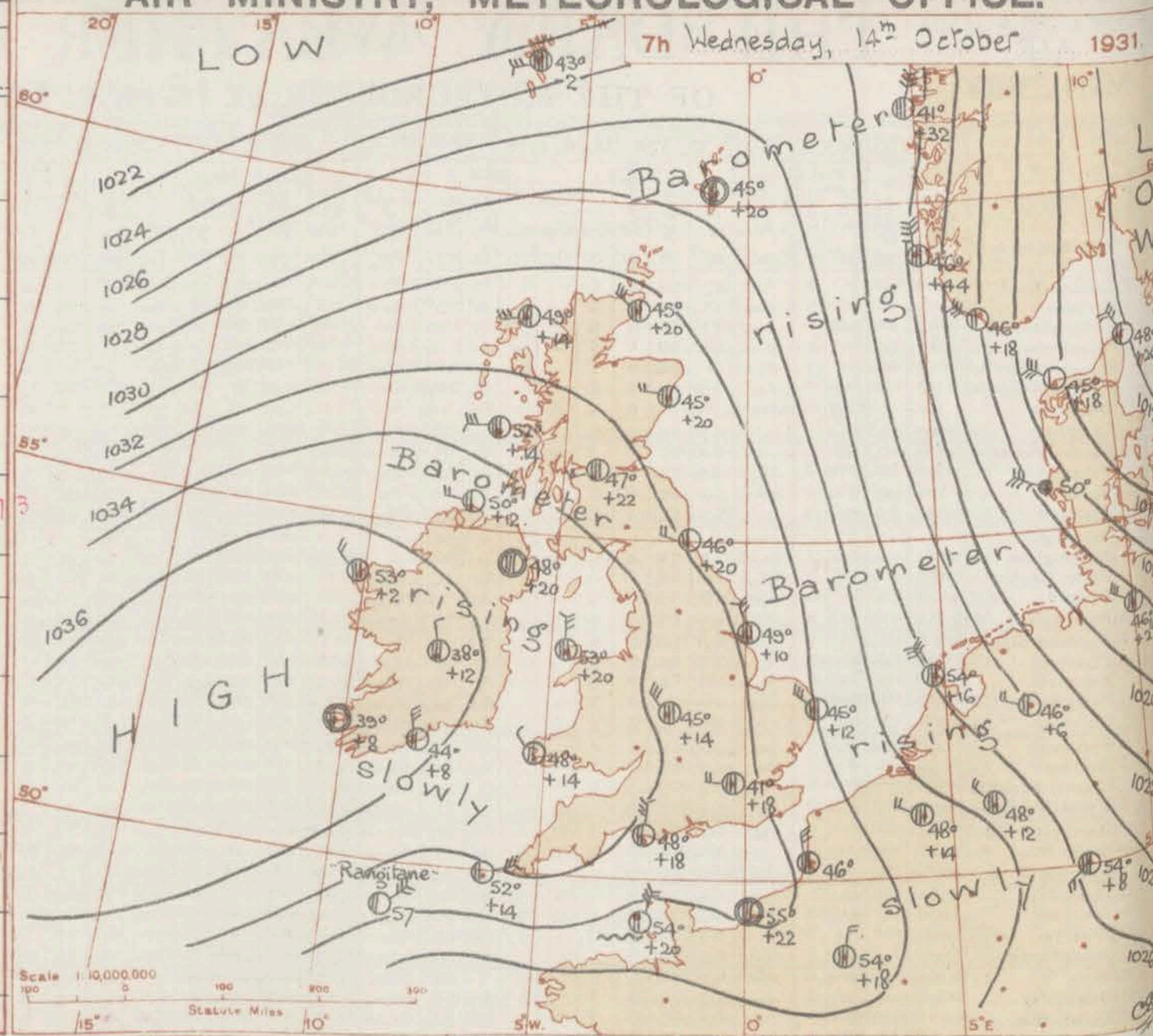
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 13th October 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 12th 9h. to 13th 9h.	Temperature. Max. 9h.—17h. 13th	Rainfall. Night. 17h. 12th to 9h. 13th	Rainfall. Day. 9h.—17h. 13th	Sunshine. Sunrise to 17h. 13th	Sunshine. Sunrise to Sunset. 12th
1	Tunbridge W.	oc	com	47	59	-	-	0·2	4·5
	Bournemouth	odo	o	50	57	-	0·3	0·0	3·2
	Ventnor ...	ofo3	o3	54	61	-	-	0·0	0·1
	Southsea ...	c	co	53	61	-	-	0·4	0·0
	Bognor Regis	bcc	c	51	61	-	-	0·3	0·0
	Littlehampton	bcc	co	49	61	-	-	0·6	0·0
	Worthing ...	co	o	50	60	-	-	0·6	0·1
	Brighton ...	coc	cocu	49	61	-	-	0·8	0·8
	Eastbourne†	moco	o	48	61	-	-	0·5	2·0
	Hastings† ...	moco	om	50	61	0·2	-	0·4	6·0
	Folkestone ...	wbomc	com	50	60	-	-	2·0	8·7
	Dover... ...	moc	mcod	49	60	-	Trace	0·0	8·6
	Deal	foc	o	46	60	-	-	0·0	8·1
	Ramsgate ...	com	om	51	60	-	-	0·0	8·9
	Margate ...	c	bcc	52	59	-	-	0·3	8·7
2	Southend ...	om	om	51	60	1	-	0·0	3·9
	Maldon ...	rco	co	40	58	0·3	-	0·0	2·0
	Clacton-on-Sea	corom	omo3	49	58	1	-	0·0	0·9
	Dovercourt ...	doc	doc	49	58	1	1	0·0	0·7
	Lowestoft ...	om.o	o	48	54	2	-	0·0	4·1
	Skegness ...	om.	obc	50	54	Trace	-	1·7	~~6·3~~ 7·3
	Mablethorpe	om.	obbc	51	55	Trace	-	2·5	6·9
	Cleethorpes ...	or.o	ocb	51	56	Trace	-	3·4	5·0
3	Leamington S.	odc	bcc	49	58	3	0·4	2·1	4·5
4	Cheltenham†	or.o	ncm	46	55	3	0·3	0·1	6·8
5	Bath	r.c	cbcc	51	55	0·5	0·3	0·3	8·5
	Weymouth ...	c	c	55	59	4	-	0·0	5·7
	Jersey ...	cd	cd	54	61	-	2	0·0	9·5
	Torquay ...	or3	orp.oc	53	56	2	0·4	0·0	2·0
	Penzance ...	bcc	ccb	52	58	3	-	1·7	0·0
	St. Ives ...	o	ocbcc	52	57	3	-	1·3	0·1
	Bude	dpc	bcb	51	57	4	Trace	2·8	0·0
	Ilfracombe ...	roc	cbcb	52	58	4	2	1·7	5·1
6	Aberystwyth	crbc	bbc	50	57	1	-	~~8·3~~ 8·1	0·0
7	Llandudno ...	bcb	b	50	58	5	-	9·3	0·0
	Colwyn Bay...	bcb	bbc	50	56	5	-	7·5	0·0
	Rhyl	bc	bcb	50	57	1	-	8·~~1~~0	0·0
8	Wallasey ...	bbcb	b	48	56	1	-	8·0	0·0
	Southport‖ ...	b	bbcb	47	56	4	-	8·8	0·5
	Blackpool ...	bcb	bbc	48	57	-	-	8·9	0·2
	Morecambe ...	rbc	bcb	47	60	9	-	9·1	0·1
9	Ilkley	b	b	44	61	6	-	7·1	0·0
10	Berwick-on-T.	bc	bc	42	57	Trace	-	8·2	0·2
11	Dunbar ...	crb	bc	44	56	0·5	-	7·7	0·0
12	Douglas ...	bc	bccb	47	56	2	-	8·6	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 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. 14th Oct., 1931.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Light north or variable winds; fine or fair, some mist or fog night and morning; moderate day temperature, chance of slight ground frost at night.
5. S.W. England 6. South Wales	Light or moderate northeast winds; fine or fair, some mist or fog night and morning; moderate day temperature, chance of slight ground frost at night.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Light or moderate northwest or variable winds; fine or fair, some mist or fog night and morning; moderate day temperature; chance of slight ground frost at night.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland	Moderate to fresh westerly winds; mainly cloudy, perhaps local drizzle in coastal areas, local mist or fog; moderate temperature.
14. Mid-Scotland	As 7 - 11.
15. N.E. Scotland 16. Orkneys and Shetlands	As 12 - 13B.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light variable winds; fine or fair, some mist or fog night and morning; moderate day temperature, chance of slight ground frost at night.

GENERAL INFERENCE.

A large and intense anticyclone centred over Western Ireland continues to spread over the British Isles. Slight secondaries to a deep depression south of Greenland are moving northeast between Iceland and Scotland. Weather will be fair or fine generally apart from some local drizzle in extreme north-western coastal districts.

FURTHER OUTLOOK.

Mainly fair except possibly in extreme Northwest. Some fog.

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. 14 303/2321. m 15 2600 10/31 1000 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

Wednesday, 14th October 1931.

No. 25528

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

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	1030·2	+16	WNW	1	F	45	95	1	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmt'n)	8	1030·6	+18	NNW	4	b	49	85	6	-	-	-	0	0	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1028·7	+10	N	3	b	47	95	6	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1027·5	+12	NWW	2	b	45	95	6	-	-	-	0	0	-
	Cranwell ...	240	1030·3	+12	WNW	3	m	42	95	4	-	-	-	0	0	-
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	1031·2	+16	NNE	4	bc	50	85	6	5	-	-	4-6	4-6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1031·1	+10	NNE	3	bc	50	85	8	5	-	-	2-3	2·3	4000
	Scilly (St. Mary's)	163	1031·5	+10	NE'E	5	b	53	85	7	5	-	-	1	1	4000
	Guernsey ...	175	1029·3	+18	N'E	4	o	57	95	7	5	-	-	10	10	2500
6	Pembroke ...	142	1031·5	+8	NW	1	bc	49	95	8	5	-	-	2·3	2·3	1500
7	Holyhead ...	26	1032·2	+12	N'W	4	b	53	85	7	-	-	-	0	0	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1027·7	+6	NWN	5	bc	49	85	7	-	1	-	0	2·3	-
	Tynemouth ...	67	1028·0	+14	W	3	b	46	85	7	-	-	-	0	0	-
11	Inchkeith ...	190	1028·2	+8	SW	3	bc	50	95	8	5	4	-	2·3	4-6	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1028·6	+18	WNW	1	c	48	95	7	5	2	-	7·8	9+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1026·0	+28	NW	4	c/pr	46	75	8	3	1	-	4·6	7·8	1500
16	Lerwick ...	54	1022·7	+32	WNW	4	bc	44	65	7	8	-	-	4·6	4·6	1500
17	Blacksod Point	18	1034·5	+8	NW	2	c	53	65	7	5	-	-	9+	9+	<150
18	Malin Head ...	52	1032·4	+12	NW	4	bc	53	85	8	8	-	-	2·3	2·3	2500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1035·4	+26	N	2	b	48	95	9	-	-	-	0	0	-
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 13th Hrs. (36)
1	London (Kew)...	1033·5	+20	WSW	1	fg	41	95	5	5	-	6	1	4-6	4000	1	*	59	40	33	–	-	0·1
	Croydon ...	1032·9	+18	WNW	2	c	41	95	4	-	3	2	0	7-8	-	1	*	59	40	35	0·2	Tr	0·0
	S. Farnborough	1033·7	+18	WNW	1	f	36	95	3	-	3	2	0	4-6	-	1	*	59	35	26	Tr.	Tr	0·0
	Winchester ...	1034·1	+20	NW	1	bc	38	95	7	-	-	1	0	2-3	-	1	*	56	36	30	-	Tr	0·0
	Boscombe Down	1034·2	+20	NW	2	c	40	95	6	-	-	2	0	7-8	-	1	*	54	38	30	0·2	0·1	*
	Calshot, (S'thmt'n)	1033·4	+16	NW	3	c	41 (corrected in red)	95	5	-	4	6	0	7-8	-	0	1	58	44 (circled)	41	–	-	0·1
	Dungeness ...	*	*	NW	1	bc	*	*	4	5	2	*	2·3	4-6	1500	*	0	60	40	*	–	-	*
	Lympne ...	1031·3	+18	NWN	3	c	42	95	4	-	3	7	0	9+	-	0	*	59	41	38	Tr	Tr	0·0
2	Shoeburyness	1032·2	+16	NW	3	c	41	95	6	5	1	1	4-6	7-8	5700	1	*	61	39	35	Tr.	Tr	0·2
	Felixstowe ...	1031·7	+20	NW	3	bc	44	85	5	5	3	-	2-3	4-6	4000	0	2	59	42	37	Tr.	-	0·0
	Gorleston ...	1029·8	+12	NW	3	c	45	85	6	6	3	-	2-3	7-8	2500	0	2	56	43	41	0·2	Tr	0·0
	Cranwell ...	1032·9	+20	WNW	3	c	43	85	6	5	-	-	9+	9+	5700	0	*	56	41	36	Tr.	-	2·9
3	Cardington ...	1028·6	+20	NWW	3	c	41	95	6	5	-	1	2-3	7-8	7200	*	*	*	*	*	*	*	*
	Birmingham ...	1034·2	+14	NW	3	c	45	95	5	-	-	9	0	7-8	-	0	*	55	44	36	1	-	2·2
	Upper Heyford	1034·0	+20	NWW	3	bc	42	95	5	-	3	6	0	4-6	-	0	*	53	42	39	0·5	Tr	*
	Leafield ...	1033·5	+14	NWW	3	c	42	95	8	5	3	7	Tr	7-8	1500	1	*	53	40	33	1	-	0·1
4	Ross-on-Wye ...	1034·4	+8	SW	1	c	37	95	8	-	-	6	0	7-8	-	1	*	57	35	30	–	-	2·1
5	Portland Bill....	1032·7	+18	NNE	4	bc	48	85	8	4	4	9	2-3	4-6	2500	0	3	59	47	*	–	-	*
	Plymouth ...	1034·1	+12	-	0	c	47	85	9	-	5	-	0	9	-	1	0	55	46	37	1	-	0·0
	Falmouth ...	1034·3	+10	NNE	4	bc	48	75	8	5	-	9	4-6	4-6	4000	0	2	56	47	*	Tr.	-	1·2
	Scilly (St. Mary's)	1033·9	+14	E'N	4	bc	52	85	7	5	6	-	2-3	4-6	4000	0	3	56	52	*	–	-	5·5
	Guernsey ...	1031·8	+20	NNE	5	bc	54	75	6	8	-	-	4-6	4-6	2500	0	4	62	54	51	–	Tr	0·6
6	Pembroke ...	1035·0	+14	NW	1	bc	48	95	8	2	-	-	4-6	4-6	5700	0	0	58	45	*	–	-	6·9
7	Holyhead ...	1034·5	+20	N	4	c	53	85	8	2	4	6	1	7-8	1500	1	2	56	53	47	–	-	8·4
	Chester (Sealand)	1034·4	+16	NNW	3	c	51	85	7	5	3	1	4-6	7-8	2500	1	*	57	47	42	–	-	7·8
8	L'pool (Bidston)	1034·2	+14	WSW (struck out; NNW in red)	4	c	51	85	8	5	3	9	2-3	7-8	2500	0	*	55	51	47	-	-	7·9
9	Harrogate ...	1033·3	+14	SSW	2	bc	46	85	8	-	3	1	0	4-6	-	1	*	57	43	37	–	-	7·8
10	Spurn Head ...	1031·1	+10	NNW	4	c	49	85	7	-	7	1	0	7-8	-	0	3	56	47	*	Tr.	-	3·5
	Tynemouth ...	1031·8	+20	WNW	2	bc	46	85	7	2	6	-	4-6	4-6	2500	0	2	58	45	41	–	-	*
11	Inchkeith ...	1031·6	+12	WSW	3	c	49	95	8	5	9	-	4-6	9	4000	0	2	56	48	45	–	-	8·4
	Leuchars ...	1032·1	+24	WSW	3	c	48	75	9	4	9	-	2-3	9	5700	0	*	59	43	34	-	-	6·7
12	Renfrew ...	1033·7	+22	WSW	2	c	47	85	7	5	3	1	4-6	7-8	5700	1	*	57	45	40	-	-	6·8
	Eskdalemuir ...	1033·6	+20	NNE (struck out; SE in red)	3	bc	46	85	9	5	3	9	Tr	4-6	800	0	*	56	41	31	-	-	6·8
13A	Tiree ...	1033·1	+14	W	4	c	52	85	7	5	6	-	2-3	7-8	2500	0	3	54	49	42	–	Tr	6·2
13B	Stornoway ...	1031·0	+14	WSW	3	c	49	95	8	3	7	-	7-8	10	1500	1	1	53	45	*	2	0·6	4·2
15	Dalwhinnie ...	1033·5	+16	WSW	1	c	45	85	8	4	1	-	4-6	10	1500	1	*	50	44	34	–	Tr	3·6
	Aberdeen ...	1031·6	+20	WNW	2	c	45	85	7	2	7	-	1	7-8	2500	1	1	55	43	38	–	1	4·7
	Wick ...	1030·7	+20	NW	3	c	45	85	8	7	4	8	4-6	7-8	1500	1	3	51	44	*	1	2	*
16	Lerwick ...	1027·7	+20	-	0	c	45	75	7	5	2	-	4-6	9+	1500	0	*	49	40	*	4	2	2·4
17	Blacksod Point	1036·0	+2	NW	2	c	53	65	9	-	5	-	0	7-8	-	0	2	57	50	*	–	-	*
18	Malin Head ...	1034·8	+12	WNW	2	bc	50	85	8	5	8	-	2-3	2-3	2500	0	2	54	50	*	Tr.	Tr	6·7
	Aldergrove ...	1036·2	+20	-	0	c	48	85	7	5	-	8	7-8	9	1500	1	*	57 (in red)	43	32	– (in red)	Tr	7·8
	Donaghadee ...	1034·2	+8	W	1	bc	46	95	8	5	3	-	4-6	4-6	2500	0	0	56	44	*	–	-	*
19	Birr Castle ...	1036·4	+12	NNW	1	c	38	95	7	5	-	-	9+	9+	2500	0	*	58	35	26	–	-	7·0
20	Valentia Obsy.†	1036·9	+8	-	0	bc	39	95	8	-	-	5	0	2-3	-	1	3	58	39	31	–	Tr	7·9
	Roches Point...	1036·3	+8	N	3	bc	44	95	8	5	-	-	2-3	2-3	1500	·1	2	59	44	*	–	Tr	*

LONDON OBSERVATIONS.

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

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	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	cmozog	ozobcmo	bmubm	59	40	33	-	-	0·1	*	*	6
Croydon ...	217	omcmo	orfm	obmFemo	59	40	35	0·2	Tr	0·0	*	*	4
Greenwich (Royal Observatory) ...	149	ommo	orɔmo	obwm	59	43	30	0·3	Tr	0·0	93	76	5
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	59	43	39	-	-	0·0	85	73	*
Regents Pk. (Botanic Gardens) ...	168	*	*	*	*	*	*	*	*	0·5	*	*	*
Camden Square ...	110	o	odc	*	58	43	37	Tr	-		At 18h.	80	*
Kensington ...	80	bcco	co	*	59	43	32	Tr	-	0·3	86	79	*
Hampstead Observatory ...	450	bc	cm	*	56	38	31	Tr	0·1	0·6	*	80	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

Max.	Time.	Min.	Time.
1·1	23h. 13th	0·3	1h-4h. 14th

Kew Observatory.

Max.	Time.	Min.	Time.
0·6	21h. 13th	0·1	12h. 13th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 13th October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 14th October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris ...	1022·7	-	0	c	61	1030·2	NNE	2	c	54	64	54	Tr	-
Brussels ...	1023·4	WNW	2	c	55	1029·2	WNW	2	c	48	63	46	0·3	-
Berlin ...	1018·0	-	0	bc	55	1016·1	W	4	c	50	63	43	-	4
Zürich ...	1023·5	S	1	bc	55	1026·7	S	1	cf	46	68	45	-	Tr
Rome ...						1021·1	SE	2	bc	57		57		

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.

The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.

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

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

COLUMNS 34, 35.

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

COLUMNS 8, 22.—Code for surface visibility.

Objects not visible at

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

COLUMN 30.—Code for State of Sea.

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

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

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 15th October 1931.

No. 255 29.

OBSERVATIONS at 13h. G.M.T. 14th 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)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1034.9	+4	N'E	4	bc	56	55	7	7	-	2	2.3	4.6	2500
	Croydon	1034.1	-2	N'E	3	bc	56	55	6	1	-	2	1	4.6	4000
	S. Farnborough	1034.5	+2	N'E	2	bc	57	55	7	1	3	2	2.3	4.6	4000
	Winchester	1034.9	+4	NNE	3	c	55	65	7	1	-	2	1	7.8	2500
	Boscombe Down	1034.7	-2	N	3	c	56	65	7	1	-	2	4.6	7.8	2500
	Calshot, S'thmtn	1034.3	+2	N	3	c	57	55	6	1	-	6	2.3	7.8	4000
	Dungeness	*	*	NNE	3	bc	*	*	7	2	9	*	2.3	4.6	1500
	Lympne	1033.4	+8	N'E	4	c	55	65	6	1	-	6	2.3	7.8	2500
2	Shoeburyness	1034.2	+6	NW	3	bc	57	75	6	1	-	6	4.6	4.6	4000
	Felixstowe	1033.7	+10	NNW	4	c	56	55	8	8	-	1	7.8	7.8	4000
	Gorleston	1033.2	+14	NNE	5	bc	53	75	6	1	-	5	2.3	2.3	4000
	Cranwell	1035.3	+8	NNW	3	bc	54	65	8	1	-	9	4.6	4.6	2500
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1035.1	+6	NNE	3	bc	55	65	5	1	-	-	2.3	2.3	1500
	Upper Heyford	1035.5	+6	NNE	3	c	55	65	6	1	-	8	4.6	7.8	2500
	Leafield	1034.7	+8	N'E	4	c	54	65	8	1	-	7	1	7.8	4000
4	Ross-on-Wye	1035.0	+6	N	2	bc	56	65	8	4	-	6	4.6	4.6	4000
5	Portland Bill	1034.1	+2	ENE	3	bc	57	65	8	1	-	-	4.6	4.6	2500
	Plymouth	1034.5	-2	E	1	c	58	65	8	1	-	4	Tr.	7.8	2500
	Falmouth	1035.3	+2	NE'E	3	bc	57	55	8	5	-	8	2.3	4.6	4000
	Scilly (St. Mary's)	1035.2	0	ENE	4	bc	57	75	7	1	4	-	1	2.3	4000
	Guernsey	1033.5	+4	NNE	5	c	57	75	7	5	1	8	2.3	7.8	4000
6	Pembroke	1035.3	+2	NW	2	c	56	85	8	4	4	-	4.6	7.8	4000
7	Holyhead	1036.5	+4	N'E	4	c	56	85	8	1	3	1	2.3	9	1500
	Chester (Sealand)	1036.4	+6	NW	3	c	55	75	8	7	-	1	7.8	7.8	1500
8	L'pool (Bidston)	1036.2	+2	N'W	3	bc	55	75	9	7	-	1	2.3	2.3	2500
9	Harrogate	1034.8	+10	NW	2	bc	55	65	8	2	-	9	1	2.3	4000
10	Spurn Head	1033.8	+4	N'E	6	c	53	75	7	5	3	-	4.6	7.8	4000
	Tynemouth	1034.3	+4	NNE	2	c	54	75	8	4	-	-	7.8	7.8	4000
11	Inchkeith	1034.9	+4	W	3	c	53	85	8	5	4	9	2.3	9	4000
	Leuchars	1034.0	0	W	3	bc	57	65	9	4	4	6	2.3	4.6	2500
12	Renfrew	1035.9	+6	WNW	2	c	55	75	8	8	7	-	9	10	4000
	Eskdalemuir	1035.5	+10	NW	3	c	54	65	8	4	3	-	Tr	9+	1500
13A	Tiree	1035.9	+6	WSW	3	c	56	75	8	1	3	1	Tr.	9	4000
13B	Stornoway	1032.2	0	WSW	4	c	57	75	8	4	7	-	4.6	9+	2500
15	Dalwhinnie	1035.5	+6	WSW	1	c	50	75	8	4	2	-	7.8	9	800
	Aberdeen	1033.7	+8	WNW	2	c	54	75	8	5	-	-	9+	9+	2500
	Wick	1031.3	+8	WNW	3	c	54	75	8	7	4	-	4.6	9	1500
16	Lerwick	1029.0	-2	W'S	2	c	48	65	7	5	2	-	4.6	10	1500
17	Blacksod Point	1037.5	+2	WNW	1	c	56	65	9	-	5	-	0	9+	-
18	Malin Head	1037.1	+6	W'N	3	c	56	85	8	5	6	-	4.6	7.8	2500
	Aldergrove	1037.6	+2	W	1	c	55	75	9	5	-	-	9+	9+	2500
	Donaghadee	1036.7	+6	WNW	2	c	54	75	8	7	3	1	4.6	7.8	2500
19	Birr Castle	1038.3	+4	NNW	1	c	53	85	8	5	-	-	9+	9+	2500
20	Valentia Obsy.	1037.7	-2	NE'E	2	bc	56	65	8	7	-	2	4.6	4.6	2500
	Roches Point	1037.7	+2	N	2	bc	55	65	8	5	-	-	4.6	4.6	2500

OBSERVATIONS at 18h. G.M.T. 14th 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)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1036.3	+10	NE'E	2	bc	53	65	5	5	-	8	2.3	4.6	2500	2	*
	Croydon	1035.5	+10	NNE	2	bc3	51	75	4	4	-	-	2.3	2.3	4000	1	*
	S. Farnborough	1035.9	+10	NE	2	bc	50	85	6	4	-	-	Tr.	2.3	5700	1	*
	Winchester	1036.0	+10	N'E	1	bc	48	85	8	-	-	1	0	2.3	-	0	*
	Boscombe Down	1035.9	+10	NNE	2	b	49	85	6	-	3	-	0	1	-	0	*
	Calshot, S'thmtn	1035.4	+6	NNE	2	bc	54	75	7	5	-	8	Tr.	2.3	4000	0	1
	Dungeness	*	*	NNE	2	bc	*	*	7	8	7	*	2.3	2.3	1500	*	1
	Lympne	1034.6	+10	N'E	3	bc	49	75	7	4	-	-	2.3	2.3	4000	0	*
2	Shoeburyness	1035.5	+16	NNW	3	bc	47	85	8	7	-	1	1	2.3	2500	0	*
	Felixstowe	1035.7	+14	NNW	2	bc	50	65	8	5	-	1	2.3	4.6	4000	0	1
	Gorleston	1033.0	+12	N'E	4	c	51	55	6	4	1	-	4.6	7.8	4000	0	3
	Cranwell	1036.7	+14	NE	1	b	47	85	6	-	-	1	0	Tr.	-	0	*
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1036.4	+6	NNW	2	bc	52	75	5	5	3	-	2.3	2.3	4000	0	*
	Upper Heyford	1036.2	+4	NNE	2	c	49	85	6	-	1	8	0	9	-	0	*
	Leafield	1035.8	+8	NE	2	c	50	75	7	5	-	-	7.8	7.8	4000	1	*
4	Ross-on-Wye	1035.8	+6	NE	2	bc	51	85	6	5	-	-	4.6	4.6	4000	1	*
5	Portland Bill	1034.8	+2	NE	3	bc	54	75	8	4	6	9	2.3	4.6	2500	0	2
	Plymouth	1035.0	+8	NE	3	b	55	85	7	-	-	1	0	1	-	0	1
	Falmouth	1035.5	+2	-	0	bc	54	75	8	5	-	8	2.3	4.6	4000	0	2
	Scilly (St. Mary's)	1035.3	0	ENE	4	c	53	85	7	5	4	1	4.6	7.8	4000	0	3
	Guernsey	1033.6	+2	NE	6	bc	57	75	7	1	1	-	1	2.3	4000	0	4
6	Pembroke	1037.7	+4	NW	2	bc	52	95	8	3	-	1	2.3	4.6	800	0	2
7	Holyhead	1036.9	+2	NNE	3	bc	54	85	8	4	-	1	1	4.6	1500	1	2
	Chester (Sealand)	1037.0	+4	NNW	2	bc	48	85	7	5	-	1	4.6	4.6	2500	0	*
8	L'pool (Bidston)	1036.9	0	NNW	2	bc	52	85	9	7	-	4	4.6	4.6	2500	0	*
9	Harrogate	1036.2	+6	NW	1	c	48	85	4	5	-	-	7.8	7.8	4500	1	*
10	Spurn Head	1035.6	+4	N'E	3	bc	52	85	7	4	1	-	4.6	4.6	4000	0	2
	Tynemouth	1035.4	+6	-	0	o	52	85	7	5	-	-	10	10	1500	0	1
11	Inchkeith	1034.8	0	WSW	2	c	53	95	8	-	4	9	0	7.8	-	0	2
	Leuchars	1034.3	+6	SW	2	bc	50	85	9	-	9	2	0	4.6	-	0	*
12	Renfrew	1035.6	-2	WSW	2	c	51	85	7	5	3	-	2.3	7.8	4000	1	*
	Eskdalemuir	1036.4	+4	-	0	bc	48	85	9	4	4	-	Tr.	2.3	1500	1	*
13A	Tiree	1035.8	+2	WSW	2	bc	52	95	8	-	3	8	0	4.6	-	0	2
13B	Stornoway	1033.1	+6	WSW	4	c	54	95	8	4	2	-	7.8	10	2500	1	2
15	Dalwhinnie	1035.8	+6	S	1	c	50	75	8	4	1	-	9	10	4000	0	*
	Aberdeen	1034.0	+4	-	0	c	54	85	6	5	-	-	10	10	4000	1	1
	Wick	1031.5	+4	W	3	c	53	85	8	5	2	-	7.8	10	1500	0	2
16	Lerwick	1026.3	-4	W'S	3	rr	52	95	4	6	-	-	10	10	800	2	*
17	Blacksod Point	1037.6	+2	-	0	c	54	75	9	-	5	-	0	10	-	0	1
18	Malin Head	1037.2	+2	W'N	2	c	54	85	8	5	-	-	9+	9+	2500	0	2
	Aldergrove	1037.6	0	-	0	c	52	85	9	5	-	-	9+	9+	4000	1	*
	Donaghadee	1036.7	0	WSW	1	c	52	85	8	8	2	-	4.6	7.8	2500	0	0
19	Birr Castle	1037.5	0	NNE	1	c	51	85	8	5	-	-	9+	9+	2500	0	*
20	Valentia Obsy.	1036.9	-2	E'N	2	bc	50	85	8	4	4	1	1	2.3	4000	1	2
	Roches Point	1037.2	0	E	3	c	63	75	9	5	-	-	9	9	2500	0	2

PAST 24 HOURS. WEATHER.

Stations.	7h.–13h. 14th (37)	13h.–18h. 14th (38)	18h. 14th – 1h. 15th (39)	1h.–7h. 15th (40)
London (Kew)	cm.w bcy	bcy bcm.	bm.	bfwbcfw
Croydon	bcbm	cbcy3.m	bmw	bmwf
S. Farnborough	bcfm.	ybc	bcwbm	bmiFx
Winchester	bc	bc	bcbw	bwm
Boscombe Down	bcm.bc	bcbm.	bm.	bm.w
Calshot, S'thmtn	cm.	bcy	bwm.	bwm.
Dungeness	bc	bc	•	bc
Lympne	bcm.3.	cbc	b	bc
Shoeburyness	bcm.	cm.bc	bc	bm.w
Felixstowe	bc	bcy	bcb	bw
Gorleston	cm.bcy	bcy	cbc	bcc
Cranwell	cbcc	bccb	bm.w	bm.wf
Cardington	*	*	b	bxif
Birmingham	bcb	bbc3	bcbf	bfb
Upper Heyford	bcm.	bcc	cbcbw	bwbc
Leafield	cbc	cbc	bcbw	bw
Ross-on-Wye	cbc	cbc	cm.	mFFc
Portland Bill	bc	bc	bcb3.	bbc3.
Plymouth	cbcvc	cvb	b	bbcw
Falmouth	bc	bc	bc	bc
Scilly (St. Mary's)	bc	bcbcbc	cbcb	bbcc
Guernsey	bcc	bc	bcb	bcco
Pembroke	bc	bc	bc	bw
Holyhead	c	cbc	bcbw	bbcw
Chester (Sealand)	cbc	bc	bmf	bfF
L'pool (Bidston)	cbcv	vbcv	bbwbc	coFc
Harrogate	bc	bccm	cbm	bcb
Spurn Head	bc	cbc	bcw3	bccw3
Tynemouth	bcc	co	obcm	bcm
Inchkeith	c	c	cbc	bc
Leuchars	cv	cbcvw	bcvw	cwm.
Renfrew	c	c	cb	bwm.
Eskdalemuir	c	cbc	bcbw	bxF
Tiree	c	cbc	bcw	bcc
Stornoway	c	c	bccbc	bcc
Dalwhinnie	c	c	•	bc
Aberdeen	bc,c	cwc	c3.	c3.c
Wick	c	bc	cprc	cbc
Lerwick	c	corrm	orrm,cpr	cpr.bc
Blacksod Point	c	c	c	bc
Malin Head	bcc	c	c	cv
Aldergrove	cbc	c	b	bx
Donaghadee	bcc	c	bbc	bcw
Birr Castle	c	c	cbcb	bbcx
Valentia Obsy.	bcwcbc	bcbc	bcbw	bwbc
Roches Point	bc	bccv	cvbc	bc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered).
c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
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.

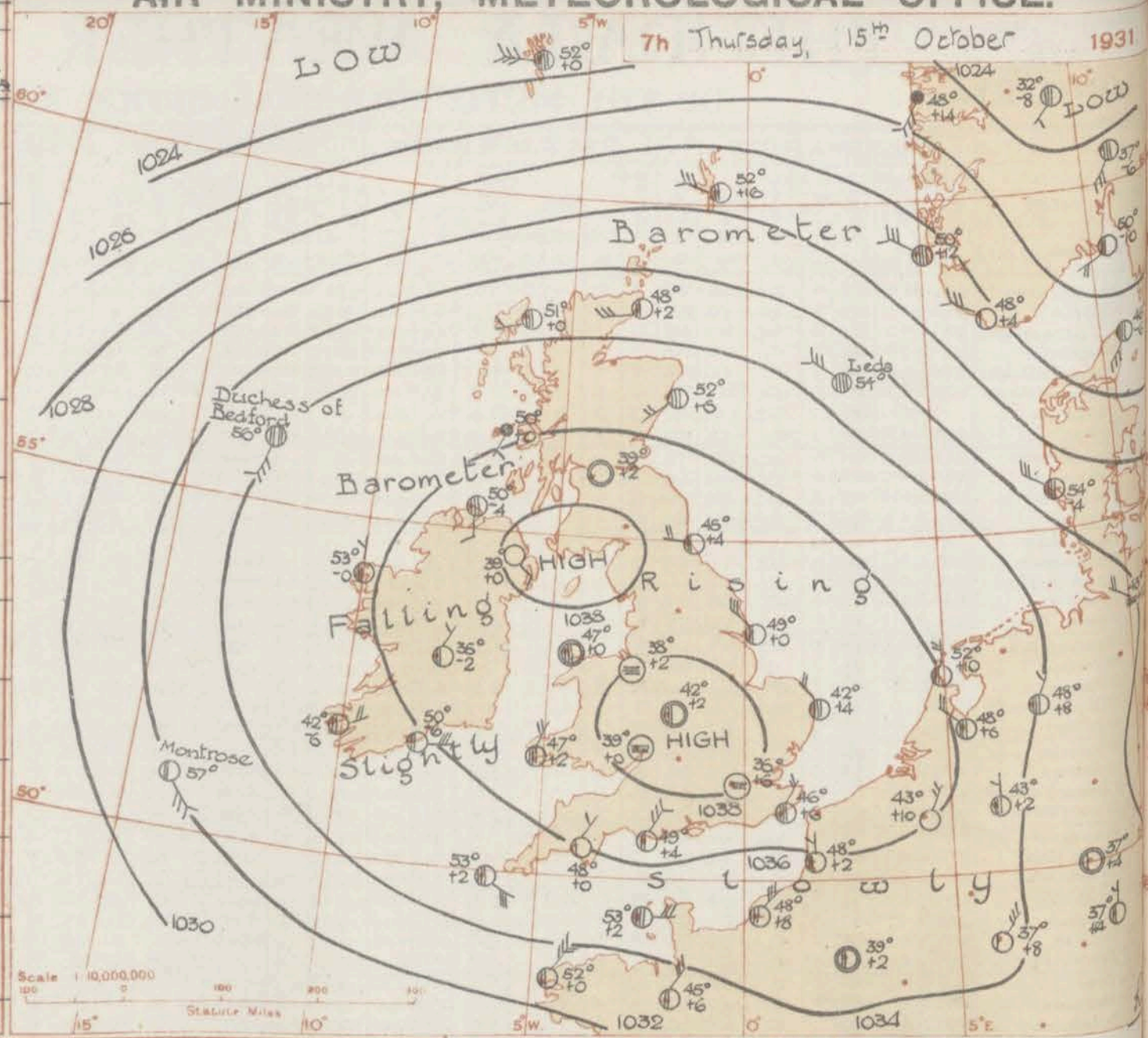
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 14th October 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 17h. 14th	Sunshine. Sunrise to Sunset. 13th
1	Tunbridge W.	b	bc	40	57	-	-	7.1	0.2
	Bournemouth	b	b	40	58	-	-	9.0	0.0
	Ventnor ...	bj	bj	45	58	-	-	9.0	0.0
	Southsea ...	b	b	45	59	-	-	8.4	0.4
	Bognor Regis	b	b	43	58	-	-	7.9	0.3
	Littlehampton	bc	bc	42	58	-	-	7.0	0.6
	Worthing ...	bcb	bbcc	43	57	Trace	-	5.5	0.6
	Brighton ...	bc	b	44	59	-	-	7.2	0.8
	Eastbourne†	bc	bcc	44	59	-	-	7.0	0.5
	Hastings† ...	wb	bbcc	43	58	0.1	-	7.3	0.4
	Folkestone ...	wbcb	b	44	58	Trace	-	6.0	2.0
	Dover... ...	bc	bc	45	57	Trace	-	7.3	0.0
	Deal	bcbbc	bc	43	58	-	-	5.5	0.0
	Ramsgate ...	b	bbc	48	56	-	-	6.4	0.0
	Margate ...	bc	bc	49	56	-	-	6.4	0.3
2	Southend ...	bj	bbccb	42	57	Trace	-	6.5	0.0
	Maldon ...	bbc	bc	41	57	-	-	6.5	0.0
	Clacton-on-Sea	bcjbc	bc	41	57	-	-	5.6	0.0
	Dovercourt ...	bc	bc	43	57	-	-	5.1	0.0
	Lowestoft ...	cbc	bccb	41	53	-	-	2.7	0.0
	Skegness ...	bc	bcm.	41	55	-	-	4.8	1.7
	Mablethorpe	bc	bc	40	56	0.3	-	4.8	2.5
	Cleethorpes ...	b	bc	43	55	-	-	2.5	3.4
3	Leamington S.	bc	bcc	38	58	-	-	6.4	2.1
4	Cheltenham†	bwbc	bccm.	36	57	-	-	6.0	0.1
5	Bath	b	bbcc	38	58	-	-	7.2	0.3
	Weymouth ...	b	b	43	59	-	-	8.8	0.0
	Jersey ...	dcbc	bbc	54	60	1	-	9.3	0.0
	Torquay ...	bw	b	43	59	-	-	9.6	0.0
	Penzance ...	b	b	47	62	-	-	9.2	1.7
	St. Ives ...	b	b	52	57	-	-	7.1	1.3
	Bude	wbcb	bbc	36	58	-	-	8.8	2.8
	Ilfracombe ...	b	b	45	60	-	-	8.8	1.7
6	Aberystwyth	cbc	bbc	52	56	-	-	3.2	9.3
7	Llandudno ...	c	bc	51	57	-	-	3.7	9.3
	Colwyn Bay...	bcb	bcb	50	56	-	-	3.8	7.5
	Rhyl	cbcc	cbcb	52	57	-	-	5.6	8.0
8	Wallasey ...	b	bbcb	51	56	-	-	7.8	8.1
	Southport‖ ...	bbcb	b	49	56	-	-	8.6	8.8
	Blackpool ...	cbc	bcc	50	57	-	-	7.3	8.9
	Morecambe ...	bbc	bbc	48	59	-	-	6.5	9.1
9	Ilkley... ...	b	b	40	61	-	-	7.3	7.1
10	Berwick-on-T.	c	bc	44	56	-	-	4.8	8.2
11	Dunbar ...	bcm.	bcm.	46	57	-	-	3.4	7.7
12	Douglas ...	cbbc	bccb	48	56	-	-	7.5	8.6

† 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.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 15th Oct, 1931.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light variable breeze, finally southeasterly; fair; local fog night and morning; rather mild during day, ground frost locally at night.
5. S.W. England	Moderate or fresh easterly wind; fair; rather mild during day.
6. South Wales	As 1 - 4.
7. North Wales	
8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Light variable breeze, mainly southwest to south; fair; local fog night and morning; rather mild during day, ground frost locally at night.
13. A. W. Scotld. B. N.W. Scotland	Light to moderate southerly wind; fair; rather mild during day, ground frost locally inland at night.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Light or moderate westerly wind, backing southwest; fair; mild during day, ground frost locally at night.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light or moderate southeast wind; fair; rather mild during day, ground frost locally at night.

GENERAL INFERENCE.

A large anticyclone over the British Isles is moving slowly eastward and weather will be quiet and fair generally.

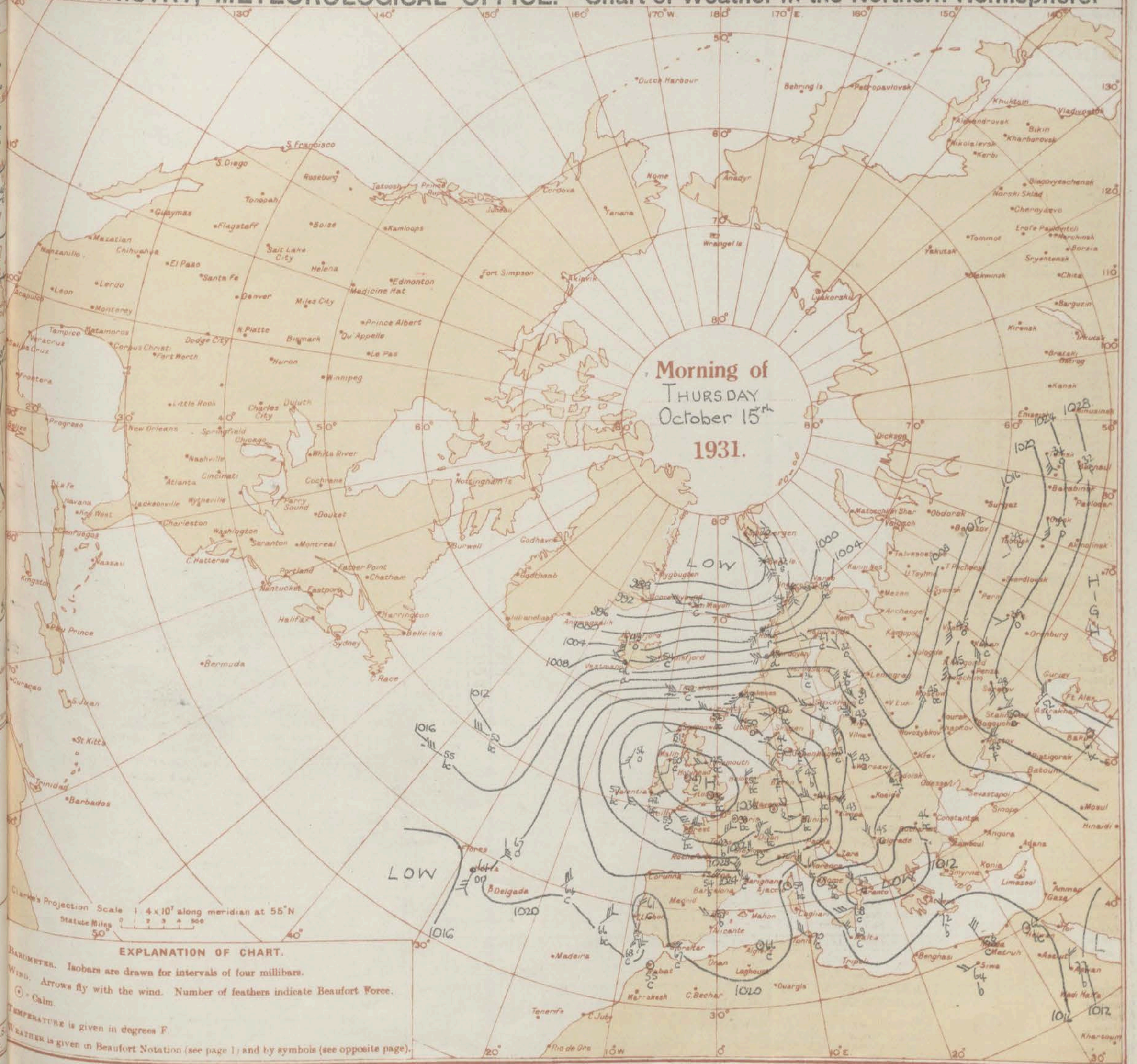
FURTHER OUTLOOK.

Similar.

Forecasts issued at 1000 G.M.T.

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

⊙ = Calm.

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 15th October, 1931.

No. 25529

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

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	1037.4	+6	E'N	1	b	40	95	5	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1036.9	+2	N'E	2	b	47	85	6	-	-	-	0	0	-
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1036.1	+2	NNW	3	bc	44	85	8	5	-	-	2.3	2.3	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1036.6	+4	NW	2	bc	44	95	7	1	4	-	Tr	2.3	4000
	Cranwell	240	1038.1	+6	W	2	b	40	95	6	-	-	-	0	0	-
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1036.1	+4	NE'E	4	b	53	75	6	-	-	-	0	0	-
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1035.4	0	ESE	5	q	54	85	8	5	-	-	2.3	2.3	4000
	Scilly (St. Mary's)	163	1035.5	0	E	3	b	52	95	7	1	-	-	1	1	4000
	Guernsey	175	1034.7	0	NE	4	bc	55	85	8	8	-	-	4.6	4.6	2500
6	Pembroke	142	1039.0	+2	NNW	2	bc	49	95	8	1	-	-	2.3	2.3	1500
7	Holyhead	26	1037.5	0	-	0	b	48	95	7	4	-	-	1	1	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1037.1	+2	NWN	3	bc	49	95	5	5	-	-	2.3	2.3	2200
	Tynemouth	67	1036.5	0	W	2	bc	48	85	7	5	-	-	2.3	2.3	1500
11	Inchkeith	190	1038.7	+4	SW	3	bc	48	95	7	5	-	-	2.3	2.3	2500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1033.6	+6	WSW	3	bc	52	95	7	4	-	-	4.6	4.6	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1032.3	+4	W	3	c	53	85	8	8	2	-	7.8	10	1500
16	Lerwick	54	1027.4	+4	W'N	5	c	52	95	7	9	-	-	7.8	7.8	1500
17	Blacksod Point	18	1037.4	0	-	0	c	53	65	6	-	2	-	0	10	-
18	Malin Head	52	1038.0	0	WSW	3	id.	52	95	6	6	1	-	2.3	9+	2500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1037.4	0	S	2	b	49	95	9	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1038.4	+10	-	0	bcf	39	95	2	-	9	-	0	4.6	-	1	*
Croydon	1038.2	+6	-	0	bf	36	95	3	-	3	1	0	1	-	1	*
S. Farnborough	1038.3	+4	-	0	iF	32	95	1	-	-	-	0	0	-	1	*
Winchester	1038.1	+12	-	0	b	37	95	6	-	-	1	0	1	-	0	*
Boscombe Down	1037.9	+6	NNE	2	b	39	95	6	-	-	1	0	Tr.	-	1	*
Calshot, (S'thmtn)	1037.0	+2	WNW	2	b	43	95	5	-	-	8	0	1	-	0	1
Dungeness	*	*	N	2	c	*	*	7	8	7	*	4.6	9+	1500	*	1
Lympne	1036.5	+6	N'E	2	c	46	85	8	5	-	-	9+	9+	4000	0	*
Shoeburyness	1037.8	+6	NW	2	b	39	95	6	-	-	-	0	0	-	1	*
Felixstowe	1037.5	+2	NNW	2	bc	40	95	7	5	-	-	2.3	2.3	4000	0	1
Gorleston	1037.2	+4	NW'N	2	c	42	95	6	1	6	-	7.8	7.8	4000	0	1
Cranwell	1038.0	+2	WSW	2	bf	41	95	3	-	3	-	0	1	-	0	*
Cardington	1037.6	+4	NW'W	1	f	36	95	3	-	3	-	0	4.6	-	*	*
Birmingham	1038.6	+2	-	0	bc	42	95	6	-	3	1	0	2.3	-	0	*
Upper Heyford	1038.5	+10	N'E	2	m	39	95	4	-	3	-	0	2.3	-	0	*
Leafield	1038.3	+6	NNE	1	bc	39	95	7	-	3	8	0	2.3	-	1	*
Ross-on-Wye	1038.3	0	-	0	F	39	95	1	5	-	-	10	10	<150	1	*
Portland Bill	1036.3	+4	NE	4	bc	49	85	6	5	-	-	2.3	2.3	1500	0	3
Plymouth	1036.0	0	NE	1	b	48	85	8	1	-	1	Tr.	1	2500	1	0
Falmouth	1035.3	+2	NE'E	5	bc	53	85	7	3	-	9	2.3	4.6	4000	0	2
Scilly (St. Mary's)	1034.6	+2	E'S	3	c	53	95	6	8	4	-	4.6	7.8	4000	0	3
Guernsey	1034.5	+2	E	3	c	53	85	7	8	-	-	7.8	7.8	2500	0	3
Pembroke	1036.5	+2	NNE	2	c	47	95	6	-	1	-	0	7.8	-	1	0
Holyhead	1037.0	0	-	0	c	47	95	8	5	3	-	7.8	7.8	2500	1	0
Chester (Sealand)	1038.0	+2	-	0	bcF	38	95	1	5	-	-	2.3	2.3	2500	0	*
L'pool (Bidston)	1037.9	0	ESE	2	F	44	95	1	5	-	-	10	10	<150	0	*
Harrogate	1037.8	0	SSW	1	b	44	95	8	-	-	9	0	Tr.	-	1	*
Spurn Head	1037.1	0	NW	3	bc	49	85	5	5	1	1	4.6	4.6	800	0	2
Tynemouth	1036.7	+4	W	2	bc	45	95	5	5	-	-	4.6	4.6	800	0	2
Inchkeith	1035.9	-4	W	3	bc	48	95	7	6	8	-	2.3	4.6	2500	0	2
Leuchars	1035.4	-6	WSW	3	c	47	95	6	5	-	-	7.8	7.8	5700	0	*
Renfrew	1036.0	+2	-	0	b	39	95	6	-	-	-	0	0	-	1	*
Eskdalemuir	1038.1	+4	-	0	bF	36	95	1	-	-	-	0	0	-	1	*
Tiree	1035.8	0	SSW	1	id.	50	95	8	6	2	-	2.3	9+	2500	0	1
Stornoway	1033.6	0	WSW	1	c	51	95	8	4	-	-	10	10	2500	1	1
Dalwhinnie	1036.2	+2	S	1	bc	34	95	8	4	-	-	2.3	2.3	2500	1	*
Aberdeen	1035.2	+6	SW	2	c	52	85	8	5	-	-	7.8	7.8	5700	1	1
Wick	1033.3	+2	WSW	3	bc	48	85	8	8	4	4	4.6	4.6	2500	0	2
Lerwick	1029.3	+16	W'N	4	bc	53	85	7	8	-	-	4.6	4.6	1500	1	*
Blacksod Point	1035.3	0	N	1	bc	53	65	9	-	3	-	0	2.3	-	0	1
Malin Head	1037.0	-4	S	1	c	50	85	9	5	-	-	9+	9+	2500	0	2
Aldergrove	1038.3	0	E'S	1	b	39	95	8	5	-	-	1	1	2500	1	*
Donaghadee	1036.9	+2	W'S	1	c	47	85	8	5	3	-	4.6	7.8	2500	0	0
Birr Castle	1036.3	-2	NNE	1	bc	35	95	8	-	6	-	0	2.3	-	0	*
Valentia Obsy.†	1034.5	-6	E'N	2	bc	42	95	9	4	-	1	1	2.3	2500	1	2
Roches Point	1034.5	-6	E	3	bc	50	95	8	3	-	-	4.6	4.6	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 14th Hrs. (36)
London (Kew)	57	38	31	-	-	8.0
Croydon	57	36	32	-	Tr.	5.2
S. Farnborough	58	32	25	-	Tr.	9.0
Winchester	56	34	29	-	-	7.6
Boscombe Down	57	36	32	-	Tr.	*
Calshot, (S'thmtn)	58	42	38	-	-	8.8
Dungeness	59	40	*	-	-	*
Lympne	55	42	38	-	-	7.0
Shoeburyness	59	38	34	-	Tr.	7.1
Felixstowe	57	37	31	-	-	4.8
Gorleston	55	40	38	-	-	2.5
Cranwell	56	39	34	-	-	6.1
Cardington	*	*	*	*	*	*
Birmingham	56	41	28	-	-	5.5
Upper Heyford	56	34	33	-	-	*
Leafield	55	36	30	-	-	6.7
Ross-on-Wye	58	38	33	-	-	7.4
Portland Bill	58	47	*	-	-	*
Plymouth	60	45	40	-	-	9.2
Falmouth	58	49	*	-	-	8.9
Scilly (St. Mary's)	57	51	*	-	-	9.1
Guernsey	57	52	49	-	-	8.9
Pembroke	59	45	*	-	-	4.6
Holyhead	57	46	37	-	Tr.	7.4
Chester (Sealand)	57	38	36	-	-	4.8
L'pool (Bidston)	55	43	41	-	-	6.5
Harrogate	57	42	37	-	-	4.0
Spurn Head	54	49	*	-	Tr.	2.4
Tynemouth	54	45	40	-	-	*
Inchkeith	55	47	45	-	-	1.8
Leuchars	58	44	41	-	-	2.2
Renfrew	57	38	30	-	-	2.3
Eskdalemuir	56	32	30	-	-	2.4
Tiree	57	50	40	-	-	0.7
Stornoway	57	50	*	-	-	0.3
Dalwhinnie	53	33	25	-	-	0.3
Aberdeen	57	49	44	-	-	1.7
Wick	55	46	*	-	Tr.	*
Lerwick	53	52	*	2	Tr.	1.1
Blacksod Point	57	50	*	-	-	*
Malin Head	57	50	*	-	0.1	1.7
Aldergrove	57	37	26	-	Tr.	1.9
Donaghadee	56	45	*	-	-	*
Birr Castle	54	35	26	-	-	0.0
Valentia Obsy.†	57	42	34	Tr.	Tr.	7.4
Roches Point	57	46	*	-	-	*

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	cnwbcy	bcybcm.	bmbcfw	57	38	31	-	-	8.0	*	*	3
CROYDON	217	bcbm	cbcy3.m	bmwf	57	36	32	-	Tr.	5.2	*	*	3
GREENWICH (Royal Observatory)	149	b	b	bmnxcf	58	37	26	-	Tr.	5.8	63	90	3
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	6.4	*	*	*
WESTMINSTER (St. James' Park)	27	*	*	*	59	43	39	-	-	7.0	54	82	*
REGENTS PK. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	6.6	*	*	*
CAMDEN SQUARE	110	bcb	bcb	*	59	42	36	-	-	*	*	*	*
KENSINGTON	80	bmwcbc	cbcc	*	58	40	31	-	-	6.7	At 18h. 66	91	*
HAMPSTEAD OBSERVATORY	450	bc	bc	bcm	55	40	33	-	0.1	8.0	*	91	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

SOUTH KENSINGTON. Max.	Time.	Min.	Time.
Defective	Record.		

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0.4	7h. 15m.	0.1	13h. 14m.

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 14th October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 15th October 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	1033.0	NNE	3	bc	54	1035.0	-	0	bc	39	61	39	-	-
BRUSSELS	1033.2	NNE	2	c	50	1036.4	NNE	2	c	43	57	37	Tr.	-
BERLIN						1030.4	NNW	2	b	45		39		-
ZURICH	1027.2	NE	1	c	54	1031.8	E	1	bc	41	64	:	-	-
ROME	1018.6	WSW	2	u	63	1015.8	-	0	bc	55	72	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.	5	Very rough.
1	Smooth.	6	High.
2	Slight.	7	Very high.
3	Moderate.	8	Precipitous.
4	Rough.	9	Confused.

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

FRIDAY, 16th OCTOBER, 1931.

No. 25530

OBSERVATIONS at 13h. G.M.T. 15th 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)	1037.5	-16	E'N	2	b3o	53	65	5	-	-	-	0	0	-
	Croydon	1037.2	-14	-	0	bc	55	65	6	1	-	-	2.3	2.3	4000
	S. Farnborough	1036.8	-14	E	2	bc	56	65	6	1	-	-	4.6	4.6	2500
	Winchester	1036.8	-12	E	3	bc	55	65	7	1	-	1	2.3	2.3	2500
	Boscombe Down	1036.8	-12	SE'E	3	b	55	65	8	1	-	1	1	1	4000
	Calshot, S'thmtn	1036.8	-6	E'S	3	bc	58	55	7	1	-	1	2.3	2.3	4000
	Dungeness	*	*	NE	2	c	*	*	7	4	3	*	4.6	9	2500
	Lympne	1036.1	-14	NE	3	bc	56	65	8	8	-	-	2.3	2.3	4000
2	Shoeburyness	1037.6	-6	NNE	3	bc	56	75	8	7	3	-	2.3	2.3	4000
	Felixstowe	1037.8	-2	NE	2	c	56	65	8	5	-	-	9+	9+	4000
	Gorleston	1037.4	-2	NE'N	2	c	53	85	7	4	-	-	9	9	4000
	Cranwell	1037.3	-14	SE'S	1	b	60	65	6	-	-	1	0	Tr.	-
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1037.1	-6	S	2	b	58	65	6	1	-	-	1	1	1500
	Upper Heyford	1037.8	-14	E'S	2	c	53	75	7	7	-	-	7.8	7.8	2500
	Leafield	1037.2	-6	E'S	2	c	51	75	8	7	-	-	7.8	7.8	4000
4	Ross-on-Wye	1036.6	-6	E	2	bc	57	65	7	1	-	-	2.3	2.3	4000
5	Portland Bill	1035.4	-8	ENE	4	bc	57	75	8	2	4	-	2.3	4.6	2500
	Plymouth	1034.8	-12	ENE	4	c	55	85	7	7	-	-	9	9	2500
	Falmouth	1034.4	-6	ENE	6	q	55	85	7	8	7	-	4.6	7.8	4000
	Scilly (St. Mary's)	1033.7	-10	E'S	5	c	65	85	7	8	6	-	4.6	7.8	4000
	Guernsey	1033.6	-12	NE	5	bc	57	65	8	1	4	-	1	2.3	2500
6	Pembroke		-8	SSE	3	bc	57	85	7	1	4	-	2.3	4.6	1500
7	Holyhead	1036.5	-8	-	0	bc	62	75	8	1	3	-	Tr.	2.3	2500
	Chester (Sealand)	1037.1	-14	SE'S	2	b	57	75	5	-	4	-	0	Tr.	-
8	L'pool (Bidston)	1037.7	-4	SE	1	b3	54	75	4	-	-	-	0	0	-
9	Harrogate	1036.5	-6	S	1	b	61	55	6	-	-	8	0	1	-
10	Spurn Head	1037.2	0	-	0	bc	62	65	6	5	-	-	2.3	2.3	2500
	Tynemouth	1036.0	-8	W	2	bc	61	65	6	5	-	-	2.3	2.3	800
11	Inchkeith	1035.5	-8	WSW	3	bc	55	85	7	5	-	-	2.3	2.3	2500
	Leuchars	1035.1	-8	WSW	2	b	60	65	8	-	-	-	0	0	-
12	Renfrew	1036.5	-6	WSW	2	c	55	75	7	5	-	-	9+	9+	2500
	Eskdalemuir	1035.7	-8	WSW	3	b	56	65	8	1	-	-	Tr.	Tr.	2500
13A	Tiree	1035.8	-6	S	3	c	53	85	9	6	2	-	9+	10	1500
13B	Stornoway	1034.0	-4	WSW	2	pr	54	85	8	5	7	-	7.8	10	2500
15	Dalwhinnie	1034.7	-4	S	2	b	55	65	8	1	-	-	1	1	4000
	Aberdeen	1035.4	-4	SSE	2	b	59	65	8	-	-	-	0	0	-
	Wick	1034.2	0	W	3	c	55	85	8	8	2	-	7.8	9	1500
16	Lerwick	1030.7	-6	W'N	3	c	53	85	7	9	-	-	7.8	7.8	1500
17	Blacksod Point	1034.7	-2	E	2	bc	55	65	9	7	-	-	4.6	4.6	1500
18	Malin Head	1036.7	-6	SW	2	c	53	85	9	5	-	-	9+	9+	4000
	Aldergrove	1036.8	-14	SSE	1	c	56	65	8	5	-	-	9	9	4000
	Donaghadee	1036.8	-8	S	1	bc	58	75	8	7	-	-	2.3	2.3	2500
19	Birr Castle	1035.2	-4	SE	2	bc	58	75	8	1	-	-	4.6	4.6	2500
20	Valentia Obsy.	1032.9	-14	SE'S	3	bc	56	75	8	7	-	2	4.6	4.6	2500
	Roches Point	1034.9	-4	SE	3	bc	58	85	8	5	-	-	4.6	4.6	2500

OBSERVATIONS at 18h. G.M.T. 15th 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)	1036.3	-2	E'N	2	bf	51	75	3	-	-	-	0	0	-	1	*
	Croydon	1036.4	0	E'N	2	b	49	85	5	-	-	1	0	1	-	0	*
	S. Farnborough	1035.7	-2	NE	1	bf	48	85	3	-	-	8	0	Tr.	-	0	*
	Winchester	1035.6	+2	ENE	3	b	47	95	6	-	-	-	0	0	-	0	*
	Boscombe Down	1035.7	-2	ENE	3	b	48	85	6	-	-	-	0	0	-	1	*
	Calshot, S'thmtn	1035.5	-2	NE'E	3	b	54	75	6	-	-	1	0	Tr.	-	0	1
	Dungeness	*	*	NE	3	c	*	*	7	4	7	*	4.6	9	2500	*	2
	Lympne	1035.1	-4	NE	3	b	46	95	7	4	-	-	Tr	Tr	4000	0	*
2	Shoeburyness	1036.4	-10	NNE	2	c	47	95	8	7	-	-	7.8	7.8	4000	0	*
	Felixstowe	1037.0	0	N	2	bc	48	95	7	5	-	-	4.6	4.6	4000	0	1
	Gorleston	1036.5	-6	-	0	bc	52	85	5	4	6	-	2.3	4.6	4000	0	1
	Cranwell	1036.0	0	S	2	b	48	85	6	-	-	9	0	1	-	0	*
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1036.6	0	SSE	1	b	52	85	6	-	-	1	0	1	-	0	*
	Upper Heyford	1037.0	+2	NE'E	2	b	47	85	6	-	-	-	0	0	-	0	*
	Leafield	1036.4	+4	ENE	2	b	46	95	7	-	-	8	0	1	-	0	*
4	Ross-on-Wye	1036.0	-4	E'N	2	b	49	85	6	-	-	1	0	Tr.	-	1	*
5	Portland Bill	1033.5	-4	E	4	bc	56	75	8	4	-	-	2.3	2.3	2500	0	3
	Plymouth	1033.7	-4	E'E	1	b	53	85	8	1	-	1	1	1	4000	0	0
	Falmouth	1032.2	-6	E'N	7	q	55	85	7	3	-	8	2.3	4.6	4000	0	3
	Scilly (St. Mary's)	1031.7	-8	E'S	5	bc	54	85	7	1	-	-	2.3	2.3	4000	0	3
	Guernsey	1031.9	-4	NE	5	bc	54	75	8	1	4	-	1	2.3	2500	0	4
6	Pembroke	1034.3	0	E	3	bc	53	95	8	-	1	-	0	2.3	-	0	0
7	Holyhead	1035.2	-2	E	2	bc	43	95	6	-	3	-	0	2.3	-	1	0
	Chester (Sealand)	1036.1	+2	SE'S	2	bc	49	85	5	-	3	-	0	4.6	-	0	*
8	L'pool (Bidston)	1035.7	-6	SE'E	2	bcf	54	75	3	-	3	9	0	2.3	-	0	*
9	Harrogate	1036.4	0	S	1	f	50	85	3	-	-	-	10	10	<150	1	*
10	Spurn Head	1036.1	-2	SSW	3	bc	54	85	7	-	1	-	0	2.3	-	0	3
	Tynemouth	1035.5	0	S	1	bc	52	95	6	5	-	-	4.6	4.6	800	0	2
11	Inchkeith	1035.1	-4	WSW	1	bc	52	95	7	5	-	-	2.3	2.3	1500	0	1
	Leuchars	1034.8	+2	SW	2	b	47	95	8	-	-	-	0	0	-	0	*
12	Renfrew	1035.6	+6	W	2	b	47	85	7	5	-	-	1	1	4000	1	*
	Eskdalemuir	1036.4	0	-	0	b	44	95	8	-	-	-	0	0	-	1	*
13A	Tiree	1034.8	-8	SSW	2	c	50	85	9	5	7	-	9+	9+	2500	0	1
13B	Stornoway	1033.0	-2	SW	2	c	52	85	8	4	7	-	4.6	9+	2500	1	1
15	Dalwhinnie	1034.7	0	ESE	1	c	47	85	8	4	2	-	4.6	7.8	800	0	*
	Aberdeen	1035.1	-2	SE	1	b	46	95	6	-	4	-	0	Tr.	-	0	1
	Wick	1034.1	0	SW	1	c	52	95	8	8	2	-	7.8	10	2500	0	1
16	Lerwick	1031.5	+4	W	3	c	51	95	7	9	-	-	7.8	7.8	1500	1	*
17	Blacksod Point	1032.5	-6	E	2	c	55	75	8	-	7	-	0	7.8	-	0	2
18	Malin Head	1034.9	-6	ESE	1	c	50	95	8	5	-	-	7.8	7.8	4000	0	1
	Aldergrove	1035.7	-6	SE'S	1	c	51	85	8	5	3	8	7.8	9	4000	1	*
	Donaghadee	1035.3	-6	WSW	1	bc	51	95	6	7	-	-	2.3	2.3	2500	0	0
19	Birr Castle	1033.8	-8	SE	1	bc	51	85	8	-	5	-	0	2.3	-	0	*
20	Valentia Obsy.	1031.7	-6	SE'E	3	bc	54	85	7	7	-	1	2.3	2.3	2500	1	2
	Roches Point	1033.1	-6	SE	3	bc	54	75	8	3	4	9	1	4.6	2500	0	3

PAST 24 HOURS.

District	Stations.	Weather 7h.–12h. 15th (37)	Weather 12h.–18h. 15th (38)	Weather 18h. 15th – 1h. 16th (39)	Weather 1h.–7h. 16th (40)
1	London (Kew)	cfw b3o	b3.bf	b3	cmobcmo
	Croydon	bfbcmwmo	bcb3o	bccmow	cmoof
	S. Farnborough	bf bc	bcbmfw	bwfcm	omw
	Winchester	bwmo	b3o	b3obw	bwbcmo
	Boscombe Down	cmo	bmo	bmo	cbcmow
	Calshot, S'thmtn	bmob	bybc	bw	bcwmo
	Dungeness	bc	bc	•	bc
	Lympne	cmo3ov	bcvb	bcc	c
2	Shoeburyness	bcebc	bbcc	c	cmo
	Felixstowe	bcc	cbc	bcb	bbcwcmo
	Gorleston	cfoc	cbcmo	bcbmoe	bbcmoe
	Cranwell	bfmz3o	bybmo	bmow	bmow
3	Cardington	*	*	b	bfefe
	Birmingham	mb	b	bm	bbccf
	Upper Heyford	bcwmo	c, bmo	bmo	bwbccm
	Leafield	bc	bc	bw	bcc
4	Ross-on-Wye	ffbbc	bcb	bmow	bmcmom
5	Portland Bill	bc	bc, bc	bc	bcc
	Plymouth	bcb, c	cb	b	bbcwmo
	Falmouth	bccq	cbcq	bcq	bcq
	Scilly (St. Mary's)	cbcc	cbc	bcb	bq
	Guernsey	cbcb	bc	bcb	b
6	Pembroke	bc	bc	bc	bc
7	Holyhead	cmobbc	bbc	bcbwmo	bwno
	Chester (Sealand)	bcfmz3o	bbcz3o	bmf	bff
8	L'pool (Bidston)	fbbm	mbf	mbbcf	fbbf
9	Harrogate	b	bcf	obff	bff
10	Spurn Head	c3bc	bc	bc	bcw3
	Tynemouth	bcm	bc	bcm	bcff
11	Inchkeith	bc	bc	bc	bcmom
	Leuchars	cwmob	bw	bw	bwbx
12	Renfrew	bmoc	cb	bbm	boffx
	Eskdalemuir	bxFob	b	bwif	bxf
13A	Tiree	cidc	c	c	c
13B	Stornoway	cpr	c	c	• c
15	Dalwhinnie	b	bc		b
	Aberdeen	cbc	bmo	bmom	bxffc
	Wick	bcc	c	c	c
16	Lerwick	bcprc	cpr	cpr	cpr
17	Blacksod Point	bc	bc	bc	bc
18	Malin Head	cv	c	cbcb	bbc3o
	Aldergrove	bc	c	cbc	bff
	Donaghadee	bcb	bmo	b3o	bbcm
19	Birr Castle	bc	bc	bcb	bx
20	Valentia Obsy.	bc	bc	bccbcb	bwb
	Roches Point	bc	bc	bcb	bbcc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, " less than 220 yds.
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. 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.

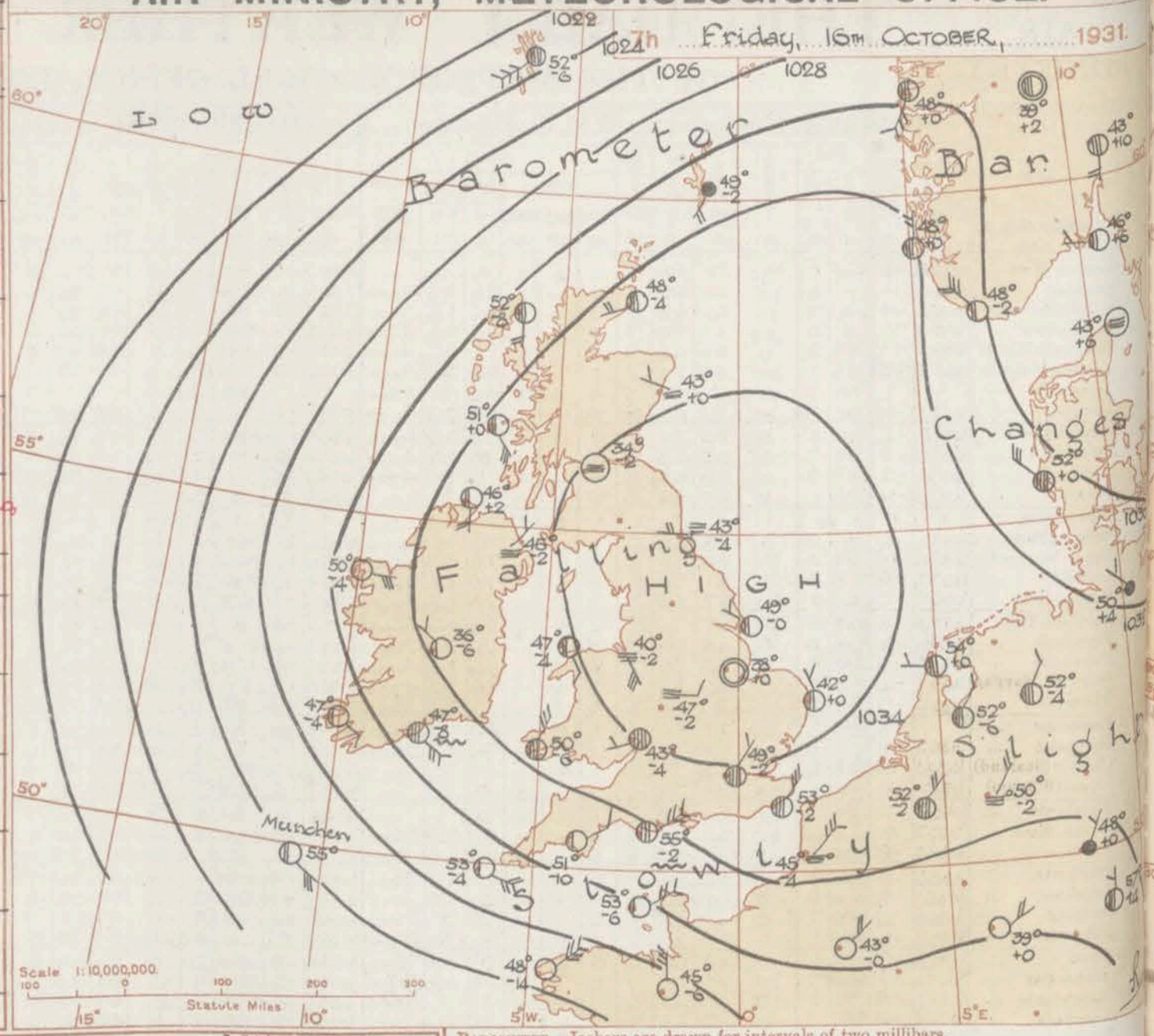
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 15th OCTOBER, 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 14th to 9h. 15th	Temperature. Max. 9h.—17h. 15th	Rainfall. Night. 17h. 14th to 9h. 15th	Rainfall. Day. 9h.—17h. 15th	Sunshine. Sunrise to 17h. 15th	Sunshine. Sunrise to Sunset. 14th
1	Tunbridge W.	b	bbc	34	57	-	-	7.6	7.1
	Bournemouth	b	b	38	59	-	-	9.1	9.0
	Ventnor ...	bz	bz	47	58	-	-	7.6	9.0
	Southsea ...	b	b	43	59	-	-	9.2	8.4
	Bognor Regis	b	b	43	59	-	-	9.4	7.9
	Littlehampton	bc	bc	40	58	-	-	9.4	7.0
	Worthing ...	bbc	bcb	44	58	-	-	8.0	5.5
	Brighton ...	bcb	bc	49	59	-	-	7.8	7.2
	Eastbourne†	cbc	b	43	57	-	-	3.4	7.0
	Hastings† ...	cbcc	cbcb	44	57	-	-	4.5	7.3
	Folkestone ...	cbc	bcb	47	60	-	-	5.7	6.0
	Dover... ...	cbc	bcc	48	60	-	-	4.9	7.3
	Deal	obcb	b	51	59	-	-	4.4	5.5
	Ramsgate ...	bc	bcb	51	57	-	-	5.1	6.4
	Margate ...	bc	bc	51	57	-	-	5.5	6.6
2	Southend ...	bbzc	cbbz	41	57	Trace	-	7.2	6.5
	Maldon ...	mbcb	bc	38	58	-	-	6.9	6.5
	Clacton-on-Sea	bc	bc	40	58	-	-	4.8	5.6
	Dovercourt ...	bc	bcvbom	41	57	-	-	1.8	5.1
	Lowestoft ...	c	cbc	38	53	-	-	0.0	2.7
	Skegness ...	b	b ?	39	60	-	-	~~4.8~~ 4.5	? 4.0
	Mablethorpe	b	bbc	39	61	-	-	9.6	4.8
	Cleethorpes...	bwf	b	41	62	-	-	8.3	2.5
3	Leamington S.	b	b	34	59	-	-	7.3	6.4
4	Cheltenham†	bmwb	b	37	56	-	-	7.7	6.0
5	Bath	b	b	36	57	-	-	9.3	7.2
	Weymouth ...	b	b	43	58	-	-	9.7	8.8
	Jersey ...	b	b	53	59	-	-	9.7	9.3
	Torquay ...	bwb	bcb	49	59	-	-	8.8	9.6
	Penzance ...	b	b	49	59	-	-	8.3	9.2
	St. Ives ...	b	c	48	57	-	-	4.0	7.1
	Bude	wb	b	42	57	-	-	9.7	8.8
	Ilfracombe ...	b	b	47	56	-	-	9.6	8.8
6	Aberystwyth	cbcz	bbc	41	60	-	-	9.0	3.7
7	Llandudno ...	b	bbcb	48	58	-	-	8.7	3.7
	Colwyn Bay...	b	b	45	56	-	-	?	3.8
	Rhyl	b	bm	41	58	-	-	8.0	5.6
8	Wallasey ...	fobc	bco	45	58	-	-	5.5	7.8
	Southport‖ ...	fbcb	bz	41	56	-	-	5.0	8.6
	Blackpool ...	ofec	bcc	40	54	-	-	4.2	7.3
	Morecambe ...	mmcbc	bbcbm	39	56	-	-	4.7	6.5
9	Ilkley... ...	b	bm	39	61	-	-	6.8	7.3
10	Berwick-on-T.	bc	bc	42	60	-	-	8.6	4.8
11	Dunbar ...	bc	bm	47	59	-	-	7.4	3.4
12	Douglas ...	bc	bc	43	59	-	-	8.2	7.5

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



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with the wind. Number of feathers indicate Beaufort force. Calm. = ⊙
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :—
○ Clear sky. ◐ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 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 Oct. 1931
1. S.E. England	Light or moderate easterly wind; fair; rather mild during day, perhaps slight local ground frost at night.
2. E. England...	Light variable to southeast wind; fair; local fog night and morning; rather mild during day, ground frost locally at night.
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Moderate or fresh easterly wind, strong locally; fair; rather mild.
6. South Wales	As 1.
7. North Wales	
8. N.W. England	Light variable to southerly wind; fine; local fog night and morning; mild during day, ground frost at most places at night.
9. N. Midlands	
10. N.E. England	
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	
13. A. W. Scotld. B. N.W. Scotland.	
14. Mid-Scotland	
15. N.E. Scotland	
16. Orkneys and Shetlands.	Moderate southwest wind; cloudy, local showers; mild.
17. N.W. Ireland	Light or moderate southeast wind; fair; local fog night and morning; rather mild during day, slight ground frost locally inland at night.
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

GENERAL INFERENCE.

An anticyclone centred over Eastern England is decreasing in intensity, and another centre developing over Central Europe will become dominant. Weather will continue fair.

FURTHER OUTLOOK.

Fair.

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. Pa 305/2321. m. 75. 0.6001. 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).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

FRIDAY, 16th OCTOBER 1931.

No. 25530

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

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	1035.1	-10	NE'E	2	c	50	95	5	5	-	-	10	10	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1034.2	-4	NE	3	b	49	85	7	-	-	-	0	0	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1033.9	-8	E'N	3	c	54	85	8	5	-	-	9	9	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1035.8	-4	NNW	1	m	46	95	4	-	-	-	0	0	-
	Cranwell ...	240	1036.1	-6	[illegible]	1	b	41	95	5	-	-	-	0	0	-
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	1032.4	-4	NE'E	5	bc	53	85	7	4	4	-	2-3	4-6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1031.5	-4	E	6	q	55	85	7	8	-	-	4-6	4-6	4000
	Scilly (St. Mary's)	163	1030.4	-6	ESE	5	bc	54	95	7	4	-	-	2-3	2-3	4000
	Guernsey ...	175	1030.9	-6	ENE	4	b	54	85	8	-	-	-	0	0	-
6	Pembroke ...	142	1033.4	-8	SSE	4	b	52 (3)	95	8	-	(12)	-	0	1	-
7	Holyhead ...	26	1033.7	-4	-	0	b	50	95	5	-	-	-	0	0	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1035.6	-2	NW	2	bc	50	95	6	-	1	-	0	2-3	-
	Tynemouth ...	67	1035.2	-4	W	1	bc	46	95	5	5	-	-	4-6	4-6	800
11	Inchkeith ...	190	1034.9	-2	WSW	1	bc	47	95	6	5	-	-	2-3	2-3	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1032.6	-8	SSW	1	c	50	85	7	4	-	-	7-8	7-8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1033.4	-6	-	0	c	49	95	8	8	2	-	7-8	10	2500
16	Lerwick ...	54	1031.9	+2	W	3	if	50	95	6	9	-	-	7-8	7-8	1500
17	Blacksod Point	18	1031.5	0	E	2	bc	52	85	8	-	3	-	0	4-6	-
18	Malin Head ...	52	1033.8	-6	S	1	b	46	95	8	5	-	-	1	1	4000
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1031.1	0	S	2	bc	52	95	9	5	4	-	4-6	4-6	4000
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1034.2	-4	NE	3	bc	50	85	5	5	3	-	2-3	4-6	4000	1	*
Croydon	1034.0	-2	NE	1	o	49	95	4	5	-	-	10	10	450	0	*
S. Farnborough	1033.4	-2	NE'E	2	o	49	95	5	5	-	-	10	10	800	0	*
Winchester	1033.2	-~~4~~ (6)	N'E	3	c	48	95	5	5	-	-	7-8	7-8	2500	0	*
Boscombe Down	1033.4	-2	NE	3	bc	46	95	6	5	3	-	2-3	4-6	800	0	*
Calshot, (S'thmtn)	1032.6	-8	NNE	3	b	48	95	6	-	8	-	0	1	-	0	1
Dungeness	*	*	E	3	c	*	*	7	4	7	*	7-8	9	1500	*	2
Lympne	1032.9	-2	ENE	3	c	53	95	8	4	6	-	7-8	9	2500	0	*
Shoeburyness	1033.9	-4	NNE	3	c	51	95	6	5	-	-	7-8	7-8	4000	0	*
Felixstowe	1034.6	-2	N	3	c	49	95	5	5	-	-	10	10	2500	0	1
Gorleston	1034.0	0	NNW	1	bc	42	95	5	1	6	-	2-3	4-6	4000	0	2
Cranwell	1035.7	0	-	0	b	38	95	6	-	-	-	0	0	-	0	*
Cardington	1034.5	0	NNE	1	f	39	95	1	5	-	-	10	10	<150	*	*
Birmingham	1034.8	-2	E	1	cf	47	95	3	5	-	-	7-8	7-8	2500	0	*
Upper Heyford	1034.9	-2	NE	3	c	45	95	5	5	-	-	9	9	2500	0	*
Leafield	1033.8	-6	NE'E	2	c	47	95	6	5	-	-	9+	9+	2500	0	*
Ross-on-Wye	1034.1	-4	WSW	1	o	43	95	4	5	-	-	10	10	1500	1	*
Portland Bill	1030.5	-2	NE'E	5	c	55	85	7	4	2	-	7-8	10	2500	0	4
Plymouth	1030.6	-10	ENE	1	b	51	95	6	7	-	1	1	1	1500	1	0
Falmouth	1030.1	-10	E'N	6	q	55	85	7	2	3	-	4-6	4-6	4000	0	3
Scilly (St. Mary's)	1028.7	-4	E'S	5	b	53	95	7	1	-	-	Tr	Tr	4000	0	3
Guernsey	1029.4	-6	ENE	4	b	53	85	7	1	-	-	1	1	4000	0	3
Pembroke	1031.0	-6	NNE	3	c	50	95	7	4	4	-	4-6	7-8	1500	0	2
Holyhead	1033.2	-4	S'E	1	bc	47	95	5	5	-	2	2-3	2-3	5700	1	0
Chester (Sealand)	1034.6	-2	SSE	3	bF	40	95	1	-	8	-	0	1	-	0	*
L'pool (Bidston)	1034.1	-2	SE'E	(3)	bf	44	95	2	-	8	-	0	Tr	-	0	*
Harrogate	1035.2	0	S	1	bf	43	95	3	5	-	-	1	1	<150	1	*
Spurn Head	1034.9	0	NW'W	1	bc	49	95	5	5	-	-	2-3	2-3	220	0	2
Tynemouth	1034.3	-4	W	2	f	43	95	3	5	-	-	4-6	4-6	1500	0	1
Inchkeith	1034.7	-4	WSW	2	bc	45	95	4	5	-	-	4-6	4-6	800	0	2
Leuchars	1033.8	-2	WSW	1	b	38	95	7	5	4	-	Tr	Tr	5700	0	*
Renfrew	1034.7	-2	-	0	F	34	95	1	5	-	-	10	10	<150	1	*
Eskdalemuir	1035.7	0	-	0	bf	32	95	2	-	-	-	0	0	-	1	*
Tiree	1032.4	0	S'E	3	bc	51	95	7	5	7	-	4-6	4-6	2500	0	1
Stornoway	1030.9	-8	S	2	c	52	95	8	6	1	-	9	9+	2500	0	1
Dalwhinnie	(1033.5)	-2	S	1	bc	30	95	8	-	4	-	0	2-3	-	0	*
Aberdeen	1033.5	0	WNW	1	f	43	95	2	5	-	-	10	10	<150	1	1
Wick	1032.5	-4	WSW	2	c	48	85	8	8	1	-	7-8	10	2500	0	1
Lerwick	1031.1	-2	SSW	2	pr	49	95	6	5	2	-	7-8	10	1500	1	*
Blacksod Point	1030.6	-4	E	3	bc	50	85	7	-	4	-	0	2-3	-	0	2
Malin Head	1032.5	+2	S	2	bc	46	95	6	5	8	-	2-3	2-3	4000	0	1
Aldergrove	1033.7	-2	NE'E	1	bcF	45	95	1	-	5	-	0	2-3	-	1	*
Donaghadee	1033.0	-2	WNW	1	bc	44	95	6	5	2	-	2-3	4-6	1500	0	0
Birr Castle	1032.1	-6	NW	1	b	36	95	6	-	4	-	0	1	-	0	*
Valentia Obsy.†	1029.4	-4	ESE	1	b	47	95	8	1	-	-	Tr	Tr	2500	1	2
Roches Point	1030.4	-8	SE	4	c	47	95	8	5	-	-	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)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 15th Hrs. (36)
London (Kew)	55	49	41	-	-	3.2
Croydon	56	46	41	-	-	5.7
S. Farnborough	56	44	31	-	-	6.6
Winchester	56	40	34	-	-	7.9
Boscombe Down	56	43	35	-	Tr	*
Calshot, (S'thmtn)	59	47	44	-	-	9.6
Dungeness	58	53	*	-	-	*
Lympne	56	45	42	-	-	6.3
Shoeburyness	58	45	43	-	-	4.1
Felixstowe	56	43	38	-	-	1.5
Gorleston	55	40	38	-	Tr	0.2
Cranwell	62	37	32	-	-	8.7
Cardington	*	*	*	*	*	*
Birmingham	58	43	34	-	-	8.8
Upper Heyford	54	42	36	Tr.	-	*
Leafield	53	43	40	-	-	8.4
Ross-on-Wye	58	40	34	-	-	6.0
Portland Bill	57	51	*	-	-	*
Plymouth	56	50	45	-	-	6.1
Falmouth	56	55	*	-	-	7.0
Scilly (St. Mary's)	58	52	*	-	-	7.5
Guernsey	57	53	47	-	-	9.2
Pembroke	57	49	*	-	-	8.8
Holyhead	63	45	38	-	0.1	6.0
Chester (Sealand)	60	39	36	-	-	7.9
L'pool (Bidston)	56	44	41	Tr.	-	5.9
Harrogate	62	42	36	-	-	7.4
Spurn Head	63	48	*	-	Tr	8.1
Tynemouth	61	42	38	-	-	*
Inchkeith	56	44	41	-	-	8.1
Leuchars	61	36	29	-	-	8.1
Renfrew	56	32	26	-	-	2.3
Eskdalemuir	57	31	30	-	-	6.3
Tiree	53	44	35	0.1	-	0.1
Stornoway	54	50	*	0.2	Tr	0.7
Dalwhinnie	56	29	17	-	-	7.7
Aberdeen	59	43	35	-	Tr	5.5
Wick	56	47	*	-	-	*
Lerwick	53	49	*	Tr ~~0.6~~	0.3	1.6
Blacksod Point	56	50	*	-	-	*
Malin Head	54	45	*	-	-	0.0
Aldergrove	57	38	29	-	Tr	5.6
Donaghadee	59	42	*	-	-	*
Birr Castle	58	36	29	-	-	6.0
Valentia Obsy.†	60	47	36	-	Tr	4.9
Roches Point	58	46	*	-	-	*

LONDON OBSERVATIONS.

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

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h. (To-day)
Kew ...	18	cfwbz₀	bz₀bf	bzcabcn	55	49	41	-	-	3.2	*	*	4
Croydon ...	217	bfcmm₀	bcbz₀	bcnycapf	56	46	41	-	-	5.7	*	*	4
Greenwich (Royal Observatory) ...	149	cb	b	bc	57	49	35	-	-	5.5	60	87	5
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*	2.9	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	57	48	47	-	-	5.1	77	80	*
Regents Pk. (Botanic Gardens) ...	168	*	*	*	*	*	*	*	*	5.6	*	*	*
Camden Square ...	110	cbc	bcb	*	59	47	42	-	-	*	*	88	*
Kensington ...	80	cbz	bcz	*	56	48	43	-	-	3.1	At 18h. 77	87	*
Hampstead Observatory ...	450	bc	bcm	*	54	44	41	-	-	6.7	*	90	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
1.1	20hrs 15th	0.3	5 & 6hrs 16th

Kew Observatory. Max.	Time.	Min.	Time.
0.6	19hrs 15th	0.2	4 hrs 16th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 15th October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 16th October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris ...	1032.6	NE	3	b	54	1030.5	ENE	2	b	43	61	43	-	-
Brussels ...	1035.0	NE	2	bc	50	1032.6	NE'E	2	o	52	57	48	-	Tr
Berlin ...	1031.7	W'N	1	bc	50	1031.5	-	0	z	45	55	43	-	-
Zürich ...	1030.8	E	2	b	45	1028.6	S	1	b	36	57	34	-	-
Rome ...	1017.8	-	0	b	54	1017.0	N	6	bc	46	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 „ 6¼ „
7 Good „ 12½ „
8 Very good „ 31 „
9 Excellent „ beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

SATURDAY, 17th October 1931.

No. 25,531

OBSERVATIONS at 13h. G.M.T. 16th 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)	Amount Low 0-10 (12)	Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1032.5	-14	E	3	c	58	75	5	5	-	-	10	10	2500
	Croydon ...	1032.6	-8	NE	3	c	56	85	6	5	-	-	10	10	1500
	S. Farnborough	1031.8	-16	ENE	2	o	57	85	5	5	-	-	10	10	1500
	Winchester ...	1031.7	-10	ENE	3	c	67	75	6	5	-	-	9+	9+	1500
	Boscombe Down	1032.0	-14	E'N	4	c	56	75	6	5	-	-	9+	9+	1500
	Calshot, S'thmtn	1031.3	-12	E	5	c	59	65	7	5	-	-	7-8	7-8	2500
	Dungeness ...	*	*	E	4	c	*	*	7	8	1	*	7-8	9+	1500
	Lympne ...	1031.8	-14	E'N	4	c	55	85	7	5	-	-	10	10	1500
2	Shoeburyness	1033.0	-8	ENE	3	c	57	95	7	5	-	-	9+	9+	1500
	Felixstowe ...	1033.5	-4	NNE	3	bc	59	75	8	7	-	-	2-3	2-3	4000
	Gorleston ...	1034.0	-6	NE'E	2	bc	58	85	6	1	-	-	2-3	2-3	4000
	Cranwell ...	1033.8	-18	NW	1	b	58	75	7	-	-	1	0	Tr	-
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1033.5	-8	ESE	2	bc	56	65	6	1	-	-	2-3	2-3	1500
	Upper Heyford	1033.2	-14	NE'E	3	b	57	75	7	1	-	-	1	1	2500
	Leafield ...	1032.2	-12	E	3	b	56	75	7	1	-	-	Tr.	Tr.	4000
4	Ross-on-Wye ...	1032.6	-10	NE	2	c	55	75	7	7	-	-	9	9	4000
5	Portland Bill...	1029.0	-18	E'N	6	c	57	75	7	4	7	-	7-8	9	2500
	Plymouth ...	1028.8	-6	E	5	c	57	85	7	5	-	-	9+	9+	800
	Falmouth ...	1028.2	-8	NE'E	6	q	57	85	8	8	3	-	7-8	9	4000
	Scilly (St. Mary's)	1027.2	-6	E	5	b	59	85	7	1	-	-	1	1	4000
	Guernsey ...	1027.4	-12	NE	5	bc	59	75	7	1	4	-	2-3	2-3	2500
6	Pembroke ...	1031.5	-6	SSE	3	bc	56	95	8	-	4	-	0	4-6	-
7	Holyhead ...	1032.8	-6	NW	1	b	57	85	7	1	-	-	Tr.	Tr.	2500
	Chester (Sealand)	1034.0	-12	SE'S	3	c	55	75	6	5	-	-	7-8	7-8	2500
8	L'pool (Bidston)	1033.2	-6	SE	4	bc	54	75	7	5	-	-	2-3	2-3	1500
9	Harrogate ...	1033.7	-6	-	0	bcfg	57	75	3	(5)	-	-	2-3	2-3	450
10	Spurn Head ...	1034.3	-4	NW	1	bc	57	85	6	5	-	-	2-3	2-3	1500
	Tynemouth ...	1033.1	-14	NW	1	bcf-	55	85	3	5	-	-	2-3	2-3	1500
11	Inchkeith ...	1033.0	-8	WSW	1	bc	55	85	6	5	-	-	2-3	2-3	1500
	Leuchars ...	1032.6	-14	WSW	1	b	60	65	6	-	-	1	0	Tr.	-
12	Renfrew ...	1033.5	-10	-	0	b	57	65	5	-	-	-	0	0	-
	Eskdalemuir ...	1032.9	-10	SW	2	b	58	75	6	-	-	-	0	0	-
13A	Tiree ...	1032.0	-6	SSE	4	c	55	85	7	8	-	-	7-8	7-8	2500
13B	Stornoway ...	1030.8	-4	SSW	3	c	55	85	8	4	6	-	4-6	7-8	2500
15	Dalwhinnie ...	1033.3	-2	S	1	bc	54	65	8	-	4	-	0	2-3	-
	Aberdeen ...	1033.0	-6	SE	1	b	54	75	7	7	-	-	1	1	2500
	Wick ...	1032.3	-4	S	3	bc	52	85	8	5	3	1	2-3	4-6	4000
16	Lerwick ...	1030.2	-8	SSW	2	c	51	85	7	5	2	-	4-6	9+	1500
17	Blacksod Point	1030.7	-2	E	3	b	56	75	7	2	-	-	1	1	4000
18	Malin Head ...	1031.9	-6	E	1	c	54	95	6	5	6	-	2-3	7-8	4000
	Aldergrove ...	1032.7	-10	SSW	1	bc	57	85	5	-	7	-	0	4-6	-
	Donaghadee ...	1032.8	-4	ESE	1	bcf	56	85	3	-	2	-	0	2-3	-
19	Birr Castle ...	1031.5	0	S	2	bc	54	85	7	1	-	-	4-6	4-6	2500
20	Valentia Obsy.	1029.2	0	E	2	b	60	65	8	-	3	-	0	Tr.	-
	Roches Point...	1029.7	-4	SE	3	bc	58	85	8	5	-	-	4-6	4-6	2500

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

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)	1031.4	0	E'S	4	c	56	85	5	5	1	-	9	10	2500	1	•
Croydon	1031.1	0	ENE	3	c	54	85	6	5	2	-	9	9+	1500	0	•
S. Farnborough	1030.7	-4	E'N	3	c	55	85	6	5	-	-	10	10	1500	0	•
Winchester	1030.1	-2	E'N	4	c	54	85	7	5	-	-	9+	9+	2500	0	•
Boscombe Down	1030.6	-2	E	4	c	54	95	6	5	-	-	9+	9+	1500	0	•
Calshot, S'thmtn	1030.0	-2	E'N	5	c	57	75	7	5	-	-	9	9	1500	0	2
Dungeness	*	*	E	5	q	*	*	7	5	-	*	10	10	1500	*	3
Lympne	1030.4	-6	E'N	3	c	53	85	6	5	-	-	10	10	1500	0	•
Shoeburyness	1031.8	-2	E'N	3	c	55	95	8	5	-	-	9+	9+	1500	0	•
Felixstowe	1032.2	-6	NE'N	2	c	56	85	8	5	-	-	9	9	1500	0	1
Gorleston	1032.5	0	NE	1	bc	54	95	7	-	3	-	0	4-6	-	0	0
Cranwell	1032.6	-2	E'S	1	b	51	85	6	-	-	1	0	Tr.	-	0	•
Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	•
Birmingham	1032.1	-4	E	2	b	55	75	5	-	-	-	0	0	-	0	•
Upper Heyford	1031.6	-6	NE	2	b	53	85	6	5	-	-	1	1	2500	0	•
Leafield	1031.2	-6	ENE	2	bc	53	85	6	5	-	-	2-3	2-3	4000	0	•
Ross-on-Wye	1030.9	-6	E'N	2	c	52	85	5	5	-	-	9+	9+	2500	1	•
Portland Bill	1028.0	-6	ENE	6	c	57	85	7	4	2	-	7-8	10	2500	0	5
Plymouth	1027.8	+2	E	5	c	56	85	7	5	-	-	9	9	1500	10	1
Falmouth	1026.7	0	ENE	7	q	56	85	7	2	-	-	4-6	4-6	4000	0	4
Scilly (St. Mary's)	1025.2	-12	E	6	bc	55	85	6	2	-	-	4-6	4-6	4000	0	4
Guernsey	1025.8	-4	NE	6	bc	56	85	6	1	1	-	~~4-6~~ 2-3	4-6	2500	0	4
Pembroke	1030.5	-10	SSE	3	b	55	95	7	7	-	-	1	1	1500	0	3
Holyhead	1031.0	-6	NNW	2	b	56	95	6	-	-	1	0	Tr.	-	0	0
Chester (Sealand)	1032.0	-6	SSE	1	bm	48	95	4	-	-	-	0	0	-	0	•
L'pool (Bidston)	1031.7	-10	SE	2	bm	51	85	4	-	-	5	0	1	-	0	•
Harrogate	1032.6	-6	-	0	bcf	50	95	2	(5)	-	-	2-3	2-3	<150	1	•
Spurn Head	1032.7	-4	SE	1	bc	53	95	6	4	1	-	2-3	4-6	1500	0	1
Tynemouth	1031.9	-6	E	1	bc	52	95	6	5	-	-	4-6	4-6	1500	0	1
Inchkeith	1032.7	-6	WSW	1	mbc	55	95	4	5	-	-	2-3	2-3	1500	0	1
Leuchars	1032.1	+2	-	0	b	48	95	6	-	-	1	0	Tr.	-	0	•
Renfrew	1032.5	+4	W	1	bm	47	95	4	-	3	-	0	1	-	1	•
Eskdalemuir	1033.0	+4	-	0	b	46	85	5	-	-	-	0	0	-	1	•
Tiree	1031.3	+2	~~SSW~~	0	bcm	41	95	5	5	6	-	2-3	2-3	2500	0	1
Stornoway	1030.9	0	SSW	2	c	53	95	7	4	2	-	4-6	10	4000	0	1
Dalwhinnie	1032.9	-2	S	1	b	45	85	8	-	-	-	0	0	-	0	•
Aberdeen	1032.5	+2	S	1	b	47	95	5	-	3	-	0	Tr.	-	1	0
Wick	1031.7	-4	S	3	c	50	85	8	5	4	8	4-6	7-8	4000	0	2
Lerwick	1029.4	+2	SSW	2	c	51	95	7	5	2	-	4-6	10	1500	0	•
Blacksod Point	1029.7	-4	E	2	b	51	85	7	-	4	-	0	1	-	0	1
Malin Head	1031.6	+2	SE	1	bc	53	95	5	5	8	-	2-3	2-3	4000	0	0
Aldergrove	1031.9	+2	E'S	1	bc	52	85	6	-	8	-	0	2-3	-	1	•
Donaghadee	1031.5	+6	W	1	bc	52	85	6	5	2	-	2-3	4-6	1500	0	0
Birr Castle	1030.2	-4	SSE	1	b	51	85	7	-	-	-	0	0	-	0	•
Valentia Obsy.	1027.7	-2	E'N	2	b	55	75	8	-	4	-	0	2-3	-	0	2
Roches Point	1028.9	-6	SE	3	c	55	85	8	5	-	-	9	9	2500	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)	czczo	czocmo	ozo	ozo
Croydon	omcmo	cmo	cmo ro	cmo
S. Farnborough	cocmo	cmo	omo	omo
Winchester	cmo	cmo	c	c
Boscombe Down	bcomo	cmo	cmo	cmo
Calshot, S'thmtn	cmoc	bcc	c	c
Dungeness	o	o	•	o
Lympne	c	c	c	c
Shoeburyness	cmo	bcc	c	c
Felixstowe	bczo	c	c	c
Gorleston	bcmo	b	bcbbc	c
Cranwell	bmob	bmo	bWOF	oFc
Cardington	•	•	bmo	om
Birmingham	mbcb	b	b	bFc
Upper Heyford	bcmob	bcbmo	bmo	boamo
Leafield	bcb	bcc	bw	bcido
Ross-on-Wye	omc	cbcc	bcmcm	comf
Portland Bill	c	c	cir	cmirc
Plymouth	bcmoc	bc	c	c
Falmouth	bccq	crobcq	bccq	cq
Scilly (St. Mary's)	b	bbc	bcc	c
Guernsey	bbc	bc	bcbw	bwbc
Pembroke	bc	bc	bc	c
Holyhead	bbcmobz	b	bwmo	bwmo
Chester (Sealand)	bcFmzo	bcbzo	bmf	bfF
L'pool (Bidston)	bfbcb	bm	bmbm	mofF
Harrogate	bff	bff	bcff	bcfm
Spurn Head	f-3	bc	bcwz	bcif
Tynemouth	bcff	bcff bc	bcff	bccfcfc
Inchkeith	bfmm	bcmom	bcmm	bcmmw
Leuchars	bxwbmo	bwmo	bmowf	fF
Renfrew	Ffzo	bzom	bmwcmw	cmwF
Eskdalemuir	bxfbzo	byb	bw	bwbcw
Tiree	c	bcbzo	bcfbc	bczo
Stornoway	c	c	cbc	c
Dalwhinnie	b	b	*	bc
Aberdeen	fbcmb	bmo	bmo	bbcc
Wick	cbc	bcc	bc	bc
Lerwick	cpr	c	cmo	ciro
Blacksod Point	bc	dc	bc	bc
Malin Head	czozo	cbczozo	bcwzz	bcwczozo
Aldergrove	bffmo	bcbmo	bmo	bmcm
Donaghadee	bcbff	ffbcmo	bbcmo	como
Birr Castle	bbc	bcb	b	bxF
Valentia Obsy.	b	bbc	bcb	bbcc
Roches Point	cbc	bcc	cbc	bcc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
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.

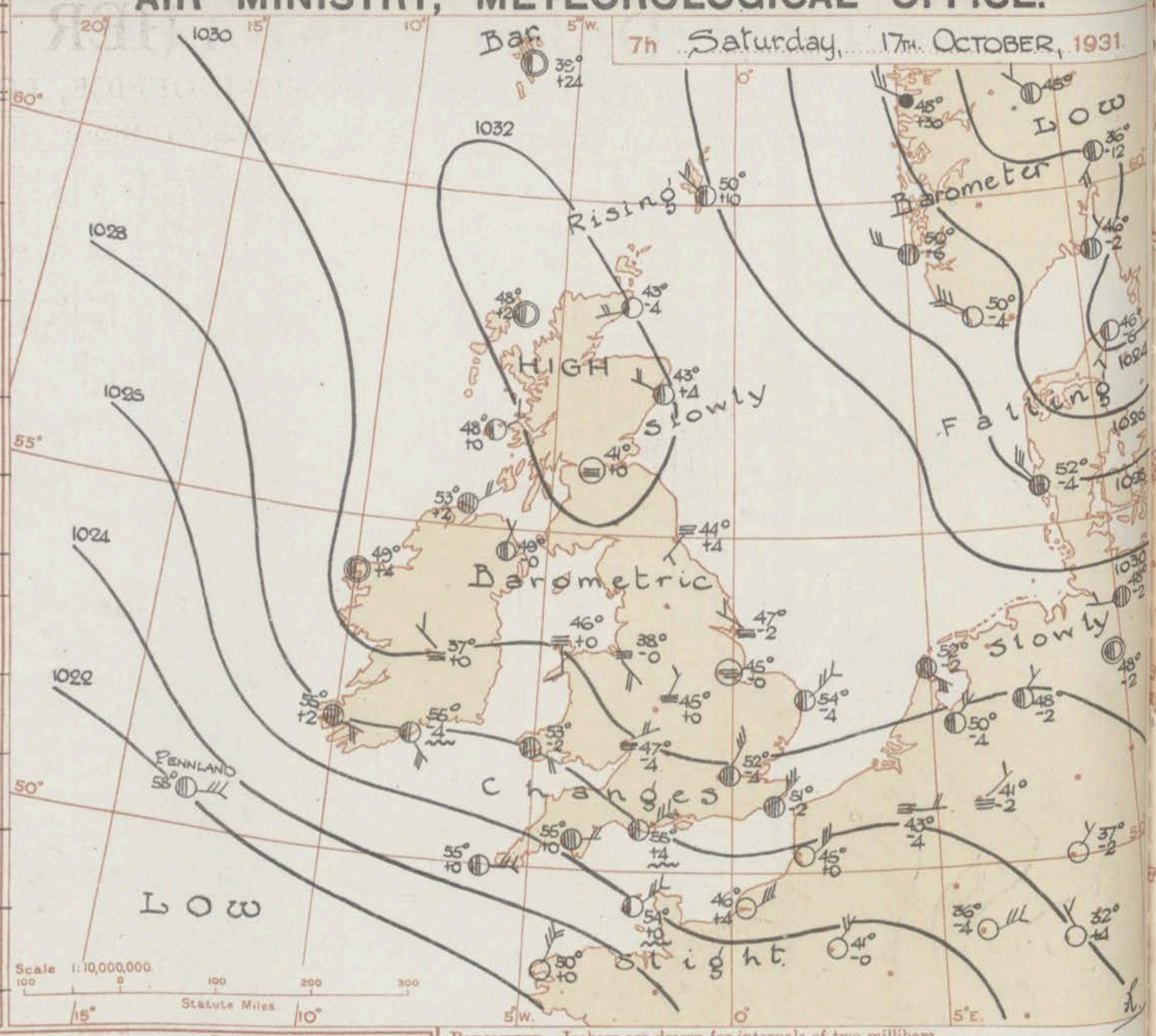
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 16th October 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 15th to 9h. 16th	Temperature. Max. 9h.—17h. 16th	Rainfall. Night. 17h. 15th to 9h. 16th	Rainfall. Day. 9h.—17h. 16th	Sunshine. Sunrise to 17h. 16th	Sunshine. Sunrise to Sunset. 15th
1	Tunbridge W.	bcco	oco	47	58	-	-	0.4	7.6
	Bournemouth	bcc	bcbc	42	60	-	-	4.5	9.1
	Ventnor ...	oco	cocu	51	57	-	-	0.7	7.6
	Southsea ...	cbc	cbcc	47	61	-	-	2.7	9.2
	Bognor Regis	bccbc	bcc	47	58	-	-	2.4	9.4
	Littlehampton	bccbc	bcc	44	58	-	-	1.8	9.4
	Worthing ...	coc	oc	48	58	Trace	-	0.8	8.0
	Brighton ...	bcc	bcc	48	59	-	-	1.4	7.8
	Eastbourne†	o	o	49	57	-	-	0.3	3.4
	Hastings† ...	co	oco	48	57	-	-	0.8	4.5
	Folkestone ...	oc	co	50	58	-	-	0.1	5.7
	Dover... ...	oc	co	55	57	-	-	0.0	4.9
	Deal	co	o	54	57	-	-	0.0	4.4
	Ramsgate ...	c	c	54	57	-	-	0.0	5.1
	Margate ...	c	c	54	57	-	-	0.0	5.8
2	Southend ...	bcodo	oc	46	57	-	Trace	0.5	7.2
	Maldon ...	mbcc	bcc	45	60	-	-	3.0	6.9
	Clacton-on-Sea	bcc	c	44	59	-	-	3.3	4.8
	Dovercourt ...	bc	bcoc	46	60	-	-	6.5	1.8
	Lowestoft ...	b	b	40	57	-	-	8.4	0.0
	Skegness ...	b	bcm	43	58	-	-	9.7	9.5
	Mablethorpe	b	m.m	37	57	-	-	9.1	9.6
	Cleethorpes ...	bw	bm	38	63	-	-	8.5	8.3
3	Leamington S.	b	bbc	39	60	-	-	6.5	7.4
4	Cheltenham†	omwc	cbccg	44	60	-	-	4.2	7.7
5	Bath	bbcc	cbcc	43	58	-	-	3.3	9.3
	Weymouth ...	c	cb	47	59	-	-	2.7	9.7
	Jersey ...	b	b	51	60	-	-	9.7	9.7
	Torquay ...	agbq	bcq	52	58	-	-	0.7	8.8
	Penzance ...	b	b	51	61	-	-	7.2	8.3
	St. Ives ...	b	c	50	59	-	-	1.7	4.0
	Bude	wbcc	bcb	41	59	-	-	6.0	9.0
	Ilfracombe ...	ocbc	bcb	48	58	-	-	5.1	9.6
6	Aberystwyth	xbc	bbcg	45	60	-	-	8.7	9.1
7	Llandudno ...	b	b	45	63	-	-	9.3	8.7
	Colwyn Bay...	b	b	43	62	-	-	9.4	8.4
	Rhyl	b	b	41	59	-	-	9.1	8.0
8	Wallasey ...	b	bbcm	46	57	-	-	7.9	5.5
	Southport‖ ...	bbcb	bg	41	59	-	-	7.6	6.0
	Blackpool ...	cbc	bbc	40	58	-	-	8.4	4.2
	Morecambe ...	cbbc	b	40	58	-	-	7.7	4.7
9	Ilkley... ...	b	bm	36	61	-	-	5.9	6.8
10	Berwick-on-T.	bc	bc	36	55	-	-	8.7	8.6
11	Dunbar ...	bm	bm	41	57	-	-	8.4	7.4
12	Douglas ...	cm	cbbcm	47	56	-	-	2.8	8.2

† 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 3/10 clouded. ◑ Sky 4/10 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. 17th Oct. 1931.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Moderate east or northeast wind; mainly cloudy; moderate temperature.
5. S.W. England	Moderate or fresh easterly wind; fair; rather mild.
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Light or moderate easterly wind; fair; perhaps local fog night and morning; mild during day.
10. N.E. England 11. S.E. Scotland	Wind variable becoming northeast, light or moderate; mainly cloudy, perhaps slight local showers later; mild then somewhat colder.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland	Light variable to easterly wind; fair; local fog, chiefly night and morning; mild during day, ground frost locally at night.
15. N.E. Scotland	As 10 - 11.
16. Orkneys and Shetlands.	Light northerly wind, veering east; fair apart from scattered showers; colder.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 6 - 9.

GENERAL INFERENCE.

An anticyclone centred over Scotland is moving northwards and is likely to increase again in intensity. Easterly winds will extend northward to all districts, and weather will be mainly dry, though there will be much cloud, especially in the East and Midlands.

FURTHER OUTLOOK.

Mainly dry but much cloud and perhaps local showers in eastern districts; east to northeast winds, with somewhat lower day temperature.

Forecasts issued at 0930 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2. Pa.305/2321. Wt.75. D.6001. Sp.808 31500 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

SATURDAY 17th October 1931.

No. 25,531

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

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	1030.4	-4	NE'N	2	olr	53	95	6	5	-	-	10	10	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1029.3	-6	ENE	4	c	55	85	7	5	-	-	10	10	1500
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1029.4	-6	E'N	3	c	53	75	8	5	-	-	10	10	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1031.6	-2	E'S	3	c	52	95	7	4	-	-	7.8	7.8	4000
	Cranwell ...	240	1032.4	-2	-	0	F	42	95	1	5	-	-	10	10	<150
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	1027.6	-4	ENE	6	ir	57	85	7	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1026.2	-2	E'N	7	q	56	85	7	5	2	-	4.6	10	4000
	Scilly (St. Mary's)	163	1025.6	0	ESE	6	c	66	85	6	5	-	-	7.8	7.8	4000
	Guernsey ...	175	1026.1	-6	NE	4	b	64	95	6	-	-	-	0	0	-
6	Pembroke ...	142	1028.3	-2	SSE	3	c	51	95	7	4	6	-	4.6	7.8	1500
7	Holyhead ...	26	1030.5	-2	S'E	1	b	47	95	5	-	-	-	0	0	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1032.1	0	NW'N	1	bc	60	95	5	5	-	-	2.3	2.3	450
	Tynemouth ...	67	1031.9	-2	W	1	bc	46	95	5	5	-	-	4.6	4.6	1500
11	Inchkeith ...	190	1032.3	0	WSW	1	m	44	95	4	5	-	-	4.6	4.6	800
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1031.4	0	SW	1	bc	48	95	7	4	-	-	4.6	4.6	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1031.9	0	SSW	2	bc	45	85	7	5	-	-	2.3	2.3	2500
16	Lerwick ...	54	1028.8	-4	SSW	3	c	53	95	5	5	-	-	7.8	7.8	800
17	Blacksod Point	18	1029.8	0	E	3	b	50	95	7	-	-	-	0	0	-
18	Malin Head ...	52	1031.8	0	SSE	1	bc	50	95	5	5	-	-	2.3	2.3	4000
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1028.3	+6	SE	2	b	51	85	8	-	-	-	0	0	-
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 17th October — PAST 24 HOURS

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 16th Hrs. (36)
1	London (Kew)...	1029.4	-2	NE'E	3	o	53	85	6	5	-	-	10	10	4000	0	*	59	53	52	-	-	0.1
	Croydon ...	1029.1	-4	NE'N	3	c	52	85	6	5	-	-	10	10	2500	0	*	57	52	51	-	Tr	0.0
	S. Farnborough	1029.2	-2	NE	2	c	52	85	6	5	-	-	10	10	1500	1	*	57	51	50	Tr.	-	0.0
	Winchester ...	1029.0	-6	NE	2	c	51	95	7	5	-	-	10	10	2500	0	*	58	51	50	-	-	0.4
	Boscombe Down	1029.1	0	NE	2	c	51	95	6	5	-	-	10	10	4000	0	*	57	50	48	-	-	*
	Calshot, (S'thmtn)	1028.5	-4	NE'N	4	c	54	75	7	5	-	-	10	10	2500	0	1	60	53	52	-	-	+2.5
	Dungeness ...	*	*	E	4	c	*	*	7	5	1	*	7.8	9+	2500	*	2	57	52	*	-	-	*
	Lympne ...	1028.6	-2	NE'E	3	c	51	85	7	5	-	-	10	10	1500	0	*	55	50	50	-	-	0.0
2	Shoeburyness	1029.5	-6	NE	3	c	54	85	7	5	-	-	9+	9+	4000	0	*	58	52	52	-	-	0.1
	Felixstowe ...	1030.1	-4	NE	3	c	54	75	8	5	-	-	10	10	2500	0	2	60	50	46	-	-	6.5
	Gorleston ...	1030.4	-4	NE'E	4	c	54	85	6	4	-	-	10	10	4000	0	3	59	52	47	-	-	8.5
	Cranwell ...	1031.6	0	-	0	F	45	95	1	5	-	-	10	10	<150	0	*	62 (61 corrected to 62 in red)	38	35	-	0.2	9.2
3	Cardington ...	1030.7	0	NE'E	2	m	45	95	4	5	-	-	9+	9+	1500	*	*	*	*	*	*	*	*
	Birmingham ...	1031.5	0	NNE	1	F	45	95	1	5	-	-	10	10	<150	0	*	58	42	35	-	0.1	6.0
	Upper Heyford	1030.6	0	ENE	2	c/d	47	95	5	5	-	-	9+	9+	800	1	*	58	45	45	Tr.	Tr	*
	Leafield ...	1030.1	-2	NE'E	2	ld_0	47	95	4	5	-	-	10	10	220	0	*	58	45	43	-	Tr	3.6
4	Ross-on-Wye ...	1030.1	-4	E'N	2	of	47	95	3	5	-	-	10	10	450	1	*	57	46	39	-	-	3.0
5	Portland Bill....	1026.8	+4	NE NE	5	c	55	75	7	4	2	-	4.6	10	1500	1	4	58	55	*	-	0.1	*
	Plymouth ...	1026.7	0	E	2	c	55	85	7	5	-	-	10	10	1500	0	0	57	54	53	-	-	1.1
	Falmouth ...	1025.8	+2	ENE	6	q	56	75	7	8	-	-	9	9	4000	0	3	58	56	*	Tr.	-	2.5
	Scilly (St. Mary's)	1025.6	0	E'S	4	c	55	85	6	5	-	-	9+	9+	4000	0	3	59	54	*	-	-	8.3
	Guernsey ...	1025.5	0	NE	4	bc	54	85	7	1	-	-	2.3	2.3	2500	0	4	59	54	49	-	-	9.3
6	Pembroke ...	1028.4	-2	ESE	2	o	53	95	7	5	-	-	10	10	800	0	2	58	50	*	-	-	6.2
7	Holyhead ...	1030.0	0	S	1	bf	46	95	2	-	8	-	0	Tr	-	0	0	61	45	37	-	0.1	9.1
	Chester (Sealand)	1031.2	0	SE	2	F	38	95	1	5	-	-	10	10	<150	0	*	56	37	36	-	-	5.1
8	L'pool (Bidston)	1031.3	0	E	2	F	43	95	1	5	-	-	10	10	<150	0	*	55	42	40	-	-	8.1
9	Harrogate ...	1032.0	0	SSW	1	bc	43	95	5	5	-	-	2.3	2.3	2500	1	*	61	42	35	-	-	6.0
10	Spurn Head ...	1031.1	-2	NW'W	1	F	47	95	1	5	-	-	10	10	220	1	1	58	45	*	-	Tr	8.4
	Tynemouth ...	1031.6	+4	SW	1	cf	44	95	3	5	-	-	7.8	7.8	800	0	1	57	41	38	-	0.1	*
11	Inchkeith ...	1032.3	-2	NE	1	f	47	95	3	5	-	-	10	10	<150	1	0	58	44	35	-	-	7.5
	Leuchars ...	1032.3	+6	WSW	1	F	44	95	1	5	-	-	10	10	<150	1	*	60	39	32	-	0.1	8.6
12	Renfrew ...	1032.4	0	-	0	F	41	95	1	5	-	-	10	10	<150	1	*	59	38	32	-	-	6.4
	Eskdalemuir ...	1031.9	0	N	2	bc	47	85	7	1	-	-	2.3	2.3	2500	1	*	61	32	32	-	-	7.8
13A	Tiree ...	1031.7	0	NE	1	z	48	95	5	5	3	9	1	2.3	2500	0	1	56	41	32	-	-	3.9
13B	Stornoway ...	1032.2	+2	-	0	c	48	95	7	4	2	-	7.8	10	4000	0	0	56	41	*	-	-	1.8
15	Dalwhinnie ...	1033.7	+6	W	2	c	39	95	8	7	-	-	7.8	7.8	4000	0	*	54	33	25	-	-	7.4
	Aberdeen ...	1032.5	+4	WNW	2	c	43	95	6	5	-	-	7.8	7.8	4000	1	1	55	39	33	-	-	6 ×
	Wick ...	1031.7	-4	WSW	2	bc	43	95	8	5	3	-	4.6	4.6	4000	0	2	53	41	*	-	-	*
16	Lerwick ...	1030.1	+10	NW	2	c/r	50	95	7	5	2	-	4.6	7.8	800	1	*	52	49	*	-	0.6	0.0
17	Blacksod Point	1030.2	+4	-	0	bc	49	85	7	-	4	-	0	2.3	-	0	1	57	47	*	-	-	*
18	Malin Head ...	1031.4	+2	ENE	2	o	53	95	4	5	-	-	10	10	450	0	0	56	49	*	-	-	7.9
	Aldergrove ...	1031.5	0	NNE	1	c	49	95	4	5	3	-	2.3	7.8	4000	1	*	59	40	29	-	Tr	4.9
	Donaghadee ...	1031.0	+2	-	0	o	52	95	6	5	-	-	10	10	800	1	0	58	47	*	-	-	*
19	Birr Castle ...	1029.9	0	NW	1	f	37	95	3	5	-	-	10	10	1500	0	*	59	36	29	-	-	7.2
20	Valentia Obsy.†	1027.9	+2	E'S	2	c	56	85	7	5	-	-	10	10	1500	1	2	62	50	39	-	-	9.1
	Roches Point...	1028.3	-4	SE	3	c	55	85	7	5	-	-	9	9	2500	0	4	59	51	*	-	-	*

LONDON OBSERVATIONS.

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

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew ...	18	$czcz_0$	cz_0cm_0	oz_0	59	53	52	-	-	0.1	•	•	5
Croydon ...	217	$omcm_0$	cm_0	$cm_0f_0m_0$	57	52	51	-	Tr	0.0	•	•	6
Greenwich (Royal Observatory) ...	149	c	cf_0bc	cd_0 •	59	52	48	Tr	Tr	0.3	86	81	5
City (Bunhill Row) ...	—	•	•	•	•	•	•	•	•	0.9	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	59	54	52	-	-	0.3	79	77	•
Regents Pk. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	•	1.1	•	•	•
Camden Square ...	110	c	c	•	59	53	51	-	-	•	•	81	•
Kensington ...	80	c o	c o	•	59	53	50	-	-	0.1	At 18h. 81	79	•
Hampstead Observatory ...	450	bc	bbc	•	57	48	46	-	Tr	2.6	•	84	•

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	3h 16th	NIL	1-4h 17th

KEW OBSERVATORY.			
Max.	Time.	Min.	Time.
0.5	10h 16th	0.1	6h 17th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 16th October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 17th October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris ...	1026.2	ENE	2	bc	52	1025.8	NE	2	b	41	61	41	-	-
Brussels ...	1029.8	NE	2	o	52	1028.7	E	2	f	43	54	41	-	-
Berlin ...	1031.8	NE	1	b	50	1030.8	-	0	f	37	55	34	-	-
Zürich ...	1026.2	E	1	b	45	1025.6	SW	1	z	32	55	30	-	-
Rome ...	1020.2	NNE	3	bc	54	?	NNE	2	c	54	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	1½ miles.
5 Poor visibility	2½ "
6 Moderate "	6¼ "
7 Good "	12½ "
8 Very good "	31 "
9 Excellent "	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 19th October 1931.

No. 25,532

OBSERVATIONS at 13h. G.M.T. 17th 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)...	1028.9	-6	ENE	3	c	55	75	5	5	2	-	9+	10	1500
	Croydon ...	1028.9	-6	NE'E	3	c	54	75	5	5	2	-	7-8	10	2500
	S. Farnborough	1028.6	-6	ENE	3	o	54	75	6	5	-	-	10	10	2500
	Winchester ...	1028.2	-8	NEE	3	o	53	85	6	5	-	-	10	10	2500
	Boscombe Down	1028.9	-4	E'S	3	c	53	85	6	5	-	-	10	10	1500
	Calshot, S'thmtn	1028.2	-6	ENE	4	c	56	75	7	5	-	-	10	10	2500
	Dungeness ...	*	*	ENE	4	c	*	*	7	5	2	*	4-6	9+	1500
	Lympne ...	1027.9	-8	NE	3	c	58	85	6	5	-	-	10	10	1500
2	Shoeburyness	1029.1	-4	ENE	3	c	54	85	7	5	-	-	10	10	2500
	Felixstowe ...	1029.7	-6	NNE	3	c	55	65	8	5	-	-	10	10	2500
	Gorleston ...	1030.1	+4	E'N	3	c	58	85	7	5	-	-	9+	9+	2500
	Cranwell ...	1030.6	-14	NW'N	2	cf	50	95	3	7	-	-	9	9	2500
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1030.6	-6	ENE	1	bf-	52	85	3	-	-	-	0	0	-
	Upper Heyford	1030.0	-4	NE	4	c	52	75	6	5	-	-	10	10	2500
	Leafield ...	1029.5	-6	ENE	2	e	51	85	8	5	-	-	10	10	4000
4	Ross-on-Wye ...	1029.4	-4	E'N	3	c	52	85	6	5	-	-	10	10	2500
5	Portland Bill...	1026.7	-6	NEE	5	c	56	75	7	4	-	-	10	10	2500
	Plymouth ...	1026.6	-4	E	5	c	56	85	8	5	-	-	9	9	1500
	Falmouth ...	1026.0	0	E'N	6	q	56	85	7	8	-	-	7-8	7-8	4000
	Scilly (St. Mary's)	1026.5	-2	ESE	4	c	59	75	7	7	-	-	7-8	7-8	4000
	Guernsey ...	1025.1	-8	NE	5	b	59	75	7	-	-	-	0	0	-
6	Pembroke ...	1028.6	-4	ESE	3	c	56	95	7	4	6	-	7-8	9+	1500
7	Holyhead ...	1029.6	-10	E	3	b	59	75	6	-	-	-	0	0	-
	Chester (Sealand)	1030.8	-12	SE'S	2	cf-	49	95	3	5	-	-	9	9	450
8	L'pool (Bidston)	1030.3	-4	-	0	bc	53	85	4	5	1	-	2-3	4-6	2500
9	Harrogate ...	1031.5	0	N	2	F	47	95	1	5	-	-	10	10	<150
10	Spurn Head ...	1030.5	0	NW'N	2	cf	52	95	2	5	2	-	9	10	220
	Tynemouth ...	1032.1	-2	N	1	o	49	95	7	5	-	-	10	10	1500
11	Inchkeith ...	1032.5	+2	ENE	2	c	51	95	7	5	2	-	2-3	10	800
	Leuchars ...	1032.6	-4	NE	2	c	56	85	7	1	3	-	4-6	7-8	1500
12	Renfrew ...	1032.1	-6	E	2	bc	54	85	4	-	3	-	0	2-3	-
	Eskdalemuir ...	1031.3	-6	ENE	4	b	57	75	4	-	-	-	0	0	-
13A	Tiree ...	1032.6	0	N'E	3	c	55	85	6	-	3	9	6	7-8	-
13B	Stornoway ...	1033.2	0	NW	1	c	55	95	7	5	2	-	9	10	2500
15	Dalwhinnie ...	1033.3	0	NNE	2	bc	54	65	7	-	4	-	0	2-3	-
	Aberdeen ...	1033.2	0	-	0	c	56	75	7	-	3	-	0	7-8	-
	Wick ...	1033.2	+6	NNE	3	dodo	52	95	6	5	-	-	10	10	1500
16	Lerwick ...	1032.1	+16	N'E	2	c	50	75	8	5	2	9	4-6	7-8	1500
17	Blacksod Point	1030.3	+2	ENE	2	b	57	75	7	-	3	-	0	1	-
18	Malin Head ...	1032.3	0	NE	2	bc	55	95	5	1	6	-	2-3	4-6	1500
	Aldergrove ...	1031.2	-6	N'E	1	b	60	75	5	-	-	-	0	0	-
	Donaghadee ...	1031.1	-2	N'W	1	c	57	65	6	5	-	-	9+	9+	800
19	Birr Castle ...	1030.5	-2	NNW	1	o	51	95	7	5	-	-	10	10	1500
20	Valentia Obsy.	1027.9	-6	E	3	bc	57	85	7	8	-	-	4-6	4-6	1500
	Roches Point...	1028.9	+2	E	3	c	57	85	7	5	-	-	9	9	1500

OBSERVATIONS at 18h. G.M.T. 17th October — 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. 17th (37)	Weather 13h.—18h. 17th (38)	Weather 18h. 17th to 1h. 18th (39)	Weather 1h.—7h. 18th (40)
London (Kew)...	1028.8	+2	ENE	4	c	53	75	5	5	-	-	10	10	1500	0	*	czo	czo	cz.o	cmoro
Croydon ...	1028.4	-2	NNE	3	c	52	75	5	5	-	-	10	10	1500	0	*	cmo	cmo	cmoro	omododo
S. Farnborough	1028.4	+2	NE	2	o	52	85	5	5	-	-	10	10	1500	1	*	cmoo	omo	omo	odo
Winchester ...	1028.3	+6	NE	3	o	51	85	6	5	-	-	10	10	1500	0	*	como	omo	omo	oido
Boscombe Down	1028.6	-2	ENE	3	c	51	85	6	5	-	-	10	10	1500	0	*	cmo	cmo	cmo	cmdo
Calshot, S'thmtn	1027.9	+2	NE'E	3	c	54	75	6	5	-	-	10	10	1500			cmo	cmo	bw	bwcmo
Dungeness ...	*	*	NE	4	bc	*	*	7	8	-	*	4-6	4-6	1500	*	3	o	bc	*	p
Lympne ...	1027.6	+2	NNE	3	b	48	95	5	5	-	-	Tr	Tr	2500	0	*	ccmo	cbmo	bcodo	odoc
Shoeburyness	1028.8	-2	NNE	3	c	53	85	8	5	-	-	10	10	1500	0	*	c	c	oido	ododom
Felixstowe ...	1029.7	+6	N	3	ido	52	85	7	5	-	-	10	10	1500	0	1	c	cdo	cdoroo	cr
Gorleston ...	1029.7	0	NE'E	3	o	53	85	7	6	-	-	10	10	2500	0	2	coido	copro	oproc	cq
Cranwell ...	1030.8	+2	N'E	2	o/f	49	95	4	5	-	-	10	10	1500	0	*	fecmof	cfof	cmmo	cmo
Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	cmo
Birmingham ...	1030.0	0	NE	2	o	52	85	4	5	-	-	10	10	800	0	*	Ff	ffcm	c	cpro
Upper Heyford	1029.4	-2	NE'E	3	c	51	85	6	5	-	-	10	10	2500	0	*	cmo	cmo	cmo	comoo
Leafield ...	1029.2	0	NE	2	c	50	85	7	5	-	-	10	10	4000	0	*	c	c	co	oido
Ross-on-Wye ...	1029.1	0	ENE	3	c	52	85	6	5	-	-	10	10	2500	0	*	ofomc	cmo	cmo	comdo
Portland Bill...	1026.5	+2	NE	5	c	55	75	7	8	4	9	4-6	7-8	2500	0	4	c	c	c.czo	c
Plymouth ...	1026.5	+2	ENE	5	b	54	85	6	1	-	-	Tr	Tr	2500	0	2	bcc	cbmo	bmo	bcc
Falmouth ...	1026.4	+4	NE'E	5	q	55	85	7	8	-	-	4-6	4-6	4000	0	3	cq	cbcq	boq	cq
Scilly (St. Mary's)	1025.9	+4	E'N	4	bc	54	85	6	7	-	-	4-6	4-6	4000	0	3	c	bccbc	bcbbc	bc
Guernsey ...	1025.6	+4	NE	6	b	56	75	7	-	-	-	0	0	-	0	4	bcb	bbcb	bcb	bbcc
Pembroke ...	1028.3	0	SE	2	c	54	95	7	4	6	-	4-6	7-8	2500	0	2	cm	c	oc	oc
Holyhead ...	1029.6	+2	NE	3	b	55	85	6	-	-	-	0	0	-	0	1	bfmmo	bzomo	bwmof	bbccmo
Chester (Sealand)	1030.7	+8	SE	2	F	44	95	0	5	-	-	10	10	<150	0	*	Fecf	CmfFe	FFe	Fecm
L'pool (Bidston)	1030.7	+2	SE'E	2	F	49	95	2	5	-	-	10	10	<150	1	*	F bbcm	bcm Fe	fecmo	omo
Harrogate ...	1032.4	+6	N	1	dodo	47	95	4	5	-	-	10	10	<150	1	*	bcofF	oFomod	odom	ofF
Spurn Head ...	1030.5	0	NE'N	3	o	52	95	6	5	-	-	10	10	1500	0	1	oFf	omz	o	ocpdo
Tynemouth ...	1032.6	+10	NNE	2	o	50	85	7	6	-	-	10	10	1500	0	1	cffo	o	obc	bcoidmo
Inchkeith ...	1032.9	+2	E	2	c	50	95	8	5	-	-	7-8	7-8	2500	0	1	ofmo	bcc	bc	bcoin
Leuchars ...	1033.5	+10	E	1	bc	48	95	6	5	3	-	2-3	2-3	1800	0	*	FeFec	cbwmo	bwoFe	Fec dodo
Renfrew ...	1033.0	+2	E	1	bcf	48	95	3	5	-	-	2-3	2-3	1500	1	*	FFbcm	bcmc	bfmbc	bccm
Eskdalemuir ...	1032.8	+8	NNE	3	c	48	85	5	5	-	-	10	10	1500	1	*	bcwbz	bcmc	co	oc
Tiree ...	1032.2	0	N'E	3	bc	52	95	6	-	3	8	0	2-3	-	0	2	bcmo	bcmow	bmow	bc
Stornoway ...	1034.1	+6	NE	3	c	50	95	7	5	2	-	7-8	9+	2500	0	8	c	c	bc	bcc
Dalwhinnie ...	1034.2	+4	WNW	1	bc	46	95	8	4	5	-	2-3	4-6	1500	0		b	b	*	f
Aberdeen ...	1033.9	+8	N	1	c	52	85	7	5	-	-	10	10	1500	1	0	cmfc	cbcc	circ	c
Wick ...	1033.6	+4	NNE	3	c	50	85	8	8	2	-	7-8	10	1500	0	2	omodo	modoc	cbc	bcc
Lerwick ...	1034.3	+10	N'W	1	c	45	85	7	5	7	-	4-6	7-8	1500	0	*	c	c	cbc	bc
Blacksod Point	1030.4	+2	E	3	b	54	85	7	-	3	-	0	Tr	-	0	2	bc	bc	bc	bc
Malin Head ...	1031.9	+2	NE	2	bc	53	95	5	5	-	-	2-3	2-3	4000	0	0	ocbczozo	bczozo	bcbwzz	bbcczozo
Aldergrove ...	1031.5	+8	-	0	bc	52	95	5	-	5	-	0	4-6	-	1	*	bm	bbcmo	bmo	cmo
Donaghadee ...	1030.6	-2	N'W	1	c	54	95	6	5	2	-	4-6	7-8	1500	0	0	cmo	cmo	cmo	c
Birr Castle ...	1029.7	-2	NE	1	b	50	95	7	-	-	-	0	0	-	0	*	ffo	obcb	bFF	FFFF
Valentia Obsy.	1028.6	+6	E'N	1	c	55	85	7	5	-	-	10	10	1500	0	2	cbc	bcc	cbc	bcc
Roches Point...	1028.6	+2	E	3	c	53	85	8	5	-	-	9	9	1500	0	3	c	c	c	c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220-1100 yds.
F, thick fog, „ less than 220 yds.
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.

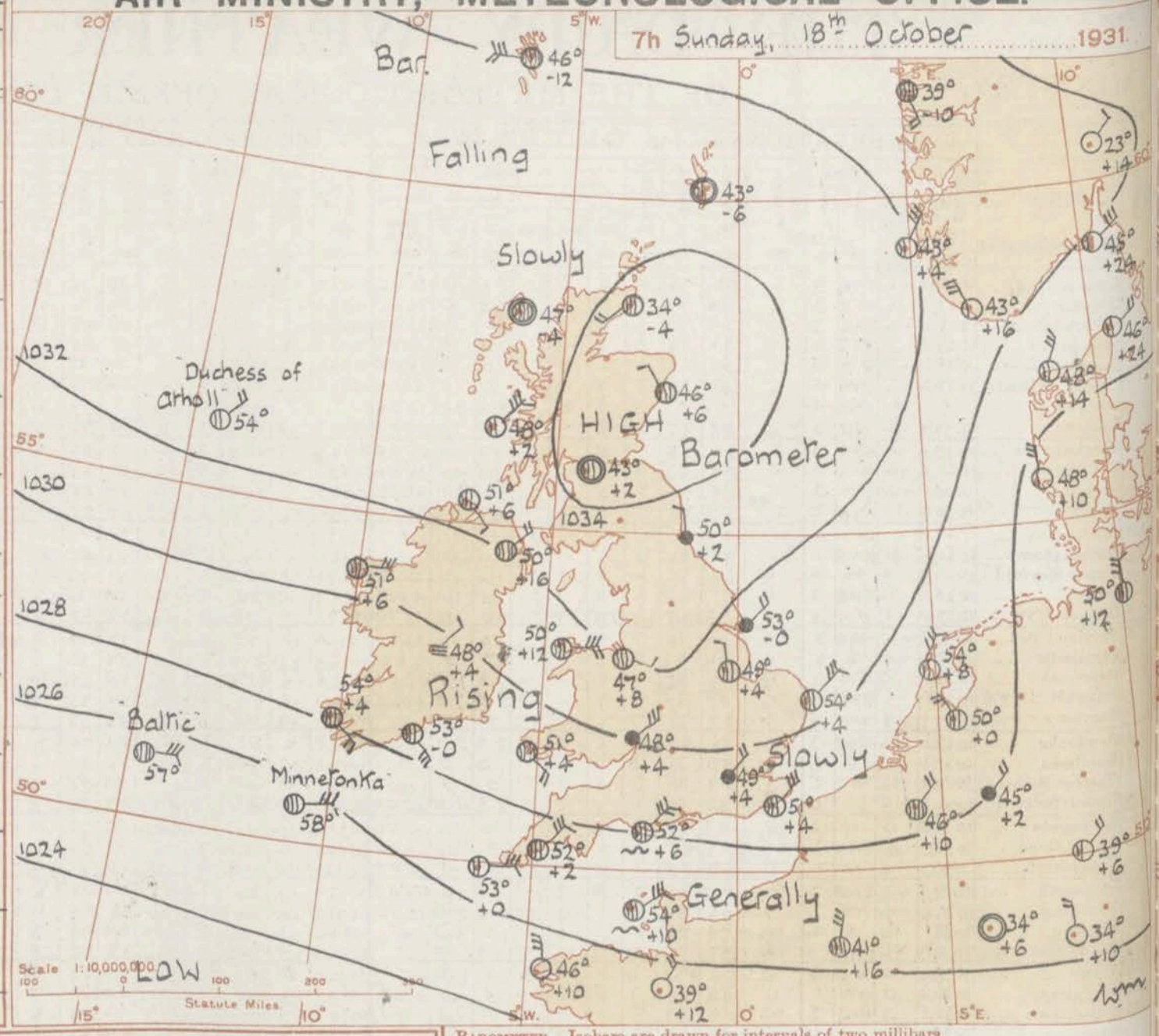
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 17th October 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 17h. 17th	Sunshine. Sunrise to Sunset. 16th
1	Tunbridge W.	o	o	51	54	–	–	0.0	0.4
	Bournemouth	o	o	52	56	–	–	0.0	4.5
	Ventnor ...	ooo	coc	53	55	–	–	0.0	0.7
	Southsea ...	o	o	53	57	–	–	0.0	2.7
	Bognor Regis	o	o	52	56	–	–	0.0	2.4
	Littlehampton	c	c	52	55	–	–	0.0	1.8
	Worthing ...	o	o	53	55	–	–	0.0	0.8
	Brighton ...	o	oc	52	55	–	–	0.0	1.4
	Eastbourne†	o	ocb	53	57	–	–	0.5	0.3
	Hastings† ...	o	ocbc	52	56	–	–	1.1	0.8
	Folkestone ...	o	obc	53	55	–	–	1.3	0.1
	Dover... ...	oc	cbc	54	55	–	–	1.7	0.0
	Deal	o	obcc	54	56	–	–	0.5	0.0
	Ramsgate ...	oc	c	53	55	–	–	0.0	0.0
	Margate ...	c	c	53	55	–	–	0.0	0.0
2	Southend ...	o	o3	53	55	–	–	0.0	0.5
	Maldon ...	o	o	52	55	–	–	0.0	3.0
	Clacton-on-Sea	c	c	53	55	–	–	0.0	3.3
	Dovercourt ...	oc	oc	51	55	–	–	0.0	6.5
	Lowestoft ...	cbc	cod	50	53	–	Tr	0.1	8.4
	Skegness ...	of	oco	41	55	Tr	–	0.5	9.7
	Mablethorpe	wmbc	bbcom	36	55	–	–	2.7	9.1
	Cleethorpes...	Fec	mo	37	52	Tr	Tr	0.2	8.5
3	Leamington S.	mo	ogm	41	54	–	–	0.0	6.5
4	Cheltenham†	cwom	omo	43	53	–	–	0.0	4.2
5	Bath	c	c	51	55	–	–	0.0	3.3
	Weymouth ...	oc	co	54	56	–	–	0.0	2.7
	Jersey ...	b	b	50	60	–	–	9.8	9.7
	Torquay ...	o	o	55	57	–	–	0.0	0.7
	Penzance ...	c	c	54	59	–	–	0.2	7.2
	St. Ives ...	c	c	53	58	–	–	0.1	1.7
	Bude	cbc	bcc	50	57	–	–	6.0	(8.0)
	Ilfracombe ...								
6	Aberystwyth	cxbc3	bbc3	48	59	–	–	9.0	8.9
7	Llandudno ...	b	b3o	45	58	–	–	7.8	9.3
	Colwyn Bay...	b	b	43	58	–	–	7.9	9.4
	Rhyl	bmo	bmo	40	62	–	–	6.9	9.1
8	Wallasey ...	fbcb	bbcf	44	57	–	–	3.7	7.9
	Southport‖ ...	bc3	c3o3	37	56	–	–	5.9	7.5
	Blackpool ...	mb	bm	38	59	–	–	6.5	8.4
	Morecambe ...	dcbc	bcc	40	57	Tr	–	6.0	7.7
9	Ilkley... ...	mbm	fe	35	56	–	–	4.9	5.9
10	Berwick-on-T.	oc	co	38	52	–	–	0.9	8.7
11	Dunbar ...	omoF	em	43	54	–	–	3.0	8.4
12	Douglas ...	bcmo	bcbme	48	59	–	–	7.7	2.8

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



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

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 18th Oct., 1931.

Districts.	Forecasts
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Wind northeast to east, light or moderate; cloudy, occasional slight drizzle at first, probably fairer tomorrow; fog locally night and morning; moderate temperature.
5. S.W. England 6. South Wales	Wind between east and southeast, moderate; mainly fair; moderate temperature.
7. North Wales 8. N.W. England	Wind easterly or variable, light or moderate; mainly fair; local fog night and morning; rather mild during day, ground frost locally at night.
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	Wind variable, light or moderate; mainly fair; local fog night and morning; rather mild day, ground frost locally at night.
16. Orkneys and Shetlands.	Wind becoming westerly moderate or fresh; cloudy; rather mild.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind mainly between east and south east, light or moderate; mainly fair; moderate temperature, ground frost and fog locally inland at night.

GENERAL INFERENCE.

The anticyclone extending from south of Iceland across Scotland is spreading temporarily southeastward. Winds will be variable to westerly in the North and easterly, moderate, in the South. Weather will be fair generally in Scotland and Ireland but cloudy in England with occasional local drizzle at first, particularly in Eastern districts.

FURTHER OUTLOOK.

Mainly fair.

Forecasts issued at 1130 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2
Pk.305/2321. Wt.75. D.6001. Gp.908. 21000 10/31.

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AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 19th October 1931.

No. 25,533.

OBSERVATIONS at 13h. G.M.T. 18th 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)	Amount Low 0-10 (12)	Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1030·3	-6	NE	2	o	55	75	4	5	-	-	10	10	1500
	Croydon ...	1030·1	-2	NE	2	c/d	53	85	4	5	-	-	10	10	2500
	S. Farnborough	1030·2	+6	NE'N	2	o	53	75	6	5	-	-	10	10	2500
	Winchester ...	1030·5	-2	NE	3	id	52	85	6	5	-	-	10	10	1500
	Boscombe Down	1030·6	-2	ENE	3	d$_o$d$_o$	51	95	6	5	-	-	10	10	800
	Calshot, S'thmtn	1029·9	-2	NE	3	c/d	53	85	6	5	-	-	10	10	1500
	Dungeness ...	*	*	NNE	2	c	*	*	6	8	6	*	2-3	9+	1500
	Lympne ...	1029·4	+2	-	0	c	54	85	6	5	-	-	9+	9+	800
2	Shoeburyness	1030·1	0	NNE	3	c	56	95	6	5	-	-	10	10	2500
	Felixstowe ...	1030·4	-2	N'E	3	d$_o$d$_o$	54	95	7	5	-	-	10	10	1500
	Gorleston ...	1031·0	-2	NE'E	3	bc	56	85	7	1	-	-	4-6	4-6	4000
	Cranwell ...	1031·9	-6	NE'E	3	c	54	85	8	6	-	-	10	10	1500
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1031·6	-4	ENE	2	c	54	75	6	6	3	-	4-6	9+	1500
	Upper Heyford	1031·0	-6	ENE	3	c	55	75	6	5	-	-	10	10	2500
	Leafield ...	1030·8	0	NE'E	2	o	52	75	7	5	-	-	10	10	4000
4	Ross-on-Wye ...	1030·9	0	NE'E	2	o	52	85	6	5	-	-	10	10	2500
5	Portland Bill...	1029·0	-4	NE	5	id$_o$	54	85	7	4	7	-	7-8	10	2500
	Plymouth ...	1028·3	-10	E	5	c	55	85	8	7	-	-	9	9	2500
	Falmouth ...	1027·7	-4	E'N	5	cq	55	85	7	5	-	-	10	10	4000
	Scilly (St. Mary's)	1028·0	0	E	4	c	56	85	6	8	-	-	7-8	7-8	4000
	Guernsey ...	1027·3	-4	ENE	4	bc	57	75	7	7	4	-	2-3	2-3	2500
6	Pembroke ...	1030·3	-6	SE	2	c	53	95	7	4	6	7	7-8	9+	800
7	Holyhead ...	1031·8	-2	E'N	2	c	54	85	6	5	-	-	10	10	2500
	Chester (Sealand)	1032·3	-8	-	0	c	55	75	5	5	-	-	9+	9+	1500
8	L'pool (Bidston)	1032·2	-4	E'S	1	c	55	75	5	5	-	-	9	9	1500
9	Harrogate ...	1033·1	0	E	1	id$_o$	50	95	5	6	2	tr	9	10	450
10	Spurn Head ...	1031·9	0	ENE	3	bc	56	75	7	1	3	-	4-6	4-6	2500
	Tynemouth ...	1033·0	-2	ENE	2	bc	52	85	8	9	-	-	4-6	4-6	1500
11	Inchkeith ...	1034·7	-2	E	1	c	50	95	8	5	5	-	4-6	9+	2500
	Leuchars ...	1034·0	-10	ESE	3	c	51	75	8	5	-	-	10	10	1500
12	Renfrew ...	1034·2	-6	ENE	2	c	52	85	5	5	-	-	9+	9+	1500
	Eskdalemuir ...	1033·7	-6	NNE	3	id$_o$	47	95	6	5	2	-	7-8	10	1500
13A	Tiree ...	1032·7	-6	S'E	3	bc	55	85	6	1	-	8	2-3	4-6	4000
13B	Stornoway ...	1032·4	-6	SSE	2	c	54	95	8	4	6	-	4-6	9+	4000
15	Dalwhinnie ...	1033·7	-4	SW	2	c	49	85	8	4	-	-	9	9	800
	Aberdeen ...	1034·1	-10	SSE	3	c	51	65	8	5	-	-	7-8	7-8	2500
	Wick ...	1032·6	-10	S	3	c	49	85	8	5	4	-	4-6	7-8	2500
16	Lerwick ...	1031·3	-8	WSW	1	c	49	75	8	5	-	-	7-8	7-8	1500
17	Blacksod Point	1031·2	+2	E	2	c	54	85	7	-	2	-	0	10	-
18	Malin Head ...	1032·2	-10	SE'S	2	c	52	95	5	5	1	-	9	10	1500
	Aldergrove ...	1032·8	-2	ESE	2	c	54	75	6	5	-	-	10	10	1500
	Donaghadee ...	1032·7	-6	SE	2	c	55	85	7	7	3	-	4-6	7-8	2500
19	Birr Castle ...	1030·5	-8	NE	1	o	52	95	6	5	-	-	10	10	1500
20	Valentia Obsy.	1028·7	-6	ESE	2	c	56	85	7	5	-	-	10	10	2500
	Roches Point...	1029·5	0	SE	3	d$_o$d$_o$	53	95	6	5	-	-	10	10	1500

OBSERVATIONS at 18h. G.M.T. 18th 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)	Amount Low 0-10 (26)	Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
1	London (Kew)...	1030·4	0	E'N	2	c	54	85	4	5	2	-	7-8	10	2500	1	*
	Croydon ...	1030·1	+2	NE'E	3	o	53	95	5	5	-	-	10	10	1500	1	*
	S. Farnborough	1030·0	0	NE	1	id$_o$	53	95	5	5	-	-	10	10	1500	0	*
	Winchester ...	1030·0	+2	N'E	2	c	52	85	6	5	2	-	9+	10	2500	0	*
	Boscombe Down	1030·2	+2	ENE	2	c	51	95	6	5	-	-	10	10	1500	1	*
	Calshot, S'thmtn	1029·6	+2	NNE	2	c	53	85	5	5	-	-	9+	9+	2500	0	1
	Dungeness ...	*	*	NE	3	c	*	*	6	9	-	*	10	10	1500	*	1
	Lympne ...	1029·3	+6	NE	3	c/d	53	95	6	5	-	-	10	10	1500	1	*
2	Shoeburyness	1030·4	+2	NNE	2	bc	49	95	8	5	-	-	2-3	2-3	4000	0	*
	Felixstowe ...	1030·6	+2	N	2	c	52	85	8	5	-	-	7-8	7-8	2500	0	1
	Gorleston ...	1030·5	+2	E'N	4	bc	53	85	7	1	4	-	2-3	4-6	4000	0	3
	Cranwell ...	1031·8	+4	NE'E	1	b	46	95	7	-	4	1	0	1	-	0	*
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1031·0	0	ENE	3	d$_o$d$_o$	52	95	5	6	-	-	10	10	~~1500~~ 800	0	*
	Upper Heyford	1030·7	+2	NE'E	2	c	52	85	6	5	-	-	10	10	2500	0	*
	Leafield ...	1030·4	0	NE'E	2	c	51	95	7	5	-	-	10	10	4000	0	*
4	Ross-on-Wye ...	1030·5	-4	NE	1	o	51	85	5	5	-	-	10	10	1500	1	*
5	Portland Bill...	1029·6	-2	NE'E	5	d$_o$d$_o$	54	85	6	6	-	-	10	10	1500	1	4
	Plymouth ...	1028·4	+2	E	3	c	54	95	6	5	-	-	9+	9+	1500	0	1
	Falmouth ...	1027·8	0	ENE	5	cq	55	85	7	5	-	-	10	10	4000	0	3
	Scilly (St. Mary's)	1027·7	0	E'S	3	c	54	95	7	5	-	-	7-8	7-8	4000	0	3
	Guernsey ...	1027·3	0	ENE	4	bc	53	85	8	7	1	-	2-3	4-6	2500	0	4
6	Pembroke ...	1028·7	+2	SE	3	c	52	95	7	4	6	-	4-6	7-8	1500	0	2
7	Holyhead ...	1030·9	+2	-	0	c	53	95	6	5	-	-	10	10	2500	0	0
	Chester (Sealand)	1031·3	-6	E	2	o	53	85	4	5	-	-	10	10	1500	0	*
8	L'pool (Bidston)	1031·2	-2	E'N	3	cf	53	85	3	5	-	-	10	10	1500	0	*
9	Harrogate ...	1032·8	0	E	1	c	46	95	4	6	-	-	9+	9+	450	1	*
10	Spurn Head ...	1031·5	0	ESE	3	c	52	85	7	4	3	-	4-6	7-8	4000	0	2
	Tynemouth ...	1032·6	-2	ENE	1	bc	49	85	8	2	-	1	2-3	4-6	2500	0	1
11	Inchkeith ...	1032·4	-12	E	1	c	49	95	8	5	2	-	4-6	9+	4000	0	1
	Leuchars ...	1032·0	-10	WSW	1	c	48	95	8	5	-	-	9+	9+	2500	0	*
12	Renfrew ...	1032·2	-10	-	0	c	48	95	4	5	[illegible]	-	7-8	7-8	2500	1	*
	Eskdalemuir ...	1032·7	-4	N'E	2	o	47	95	6	5	2	-	7-8	10	1500	1	*
13A	Tiree ...	1031·0	-14	-	0	c	51	95	6	7	7	-	9+	10	4000	0	1
13B	Stornoway ...	1029·8	-6	SW	2	c	51	95	6	8	6	-	4-6	7-8	4000	1	1
15	Dalwhinnie ...	1033·4	-6	S	2	c	47	85	8	4	-	-	10	10	800	0	
	Aberdeen ...	1031·4	-16	SW	3	b	47	85	6	-	3	-	0	Tr	-	1	1
	Wick ...	1030·1	-8	SSW	3	bc	43	95	8	5	3	8	2-3	4-6	4000	0	2
16	Lerwick ...	1027·2	-24	SW	2	c	47	85	7	5	1	-	4-6	7-8	1500	0	*
17	Blacksod Point	1030·3	-4	E	2	c	53	85	7	-	2	-	0	10	-	0	2
18	Malin Head ...	1031·2	-4	SSE	2	c	52	95	5	5	1	-	9	10	1500	0	0
	Aldergrove ...	1031·9	-2	E	1	c	50	95	4	5	-	-	10	10	2500	1	*
	Donaghadee ...	1031·5	-6	ESE	2	bc	53	95	7	7	-	2	1	2-3	4000	0	2
19	Birr Castle ...	1030·2	0	ENE	1	cd	50	95	7	5	-	-	10	10	1500	1	*
20	Valentia Obsy.	1028·2	+2	ESE	2	c	54	85	7	5	-	-	10	10	2500	0	2
	Roches Point...	1028·7	-4	SE	3	c	53	95	7	3	-	-	9+	9+	1500	0	3

PAST 24 HOURS. — WEATHER.

District	Stations	7h.—13h. 18th (37)	13h.—18h. 18th (38)	18h. 18th to 1h. 19th (39)	1h.—7h. 19th (40)
1	London (Kew)...	cm$_o$oz	ozcm	cz$_o$bfw	bfwcfw
	Croydon ...	cd$_o$m	cmid$_o$	bm$_o$w	bmcw
	S. Farnborough	oid$_o$o	oid$_o$	oid$_o$o	oc
	Winchester ...	oid$_o$	ocm$_o$	cm$_o$	cmid$_o$cm$_o$
	Boscombe Down	cm$_o$d$_o$	cm$_o$d$_o$	cm$_o$	cm$_o$
	Calshot, S'thmtn	cd$_o$m$_o$	cd$_o$m$_o$	cm$_o$id$_o$	cm$_o$
	Dungeness ...	d	p	*	bc
	Lympne ...	cod$_o$m	cd$_o$	bc	bccw
2	Shoeburyness	cm$_o$	cr$_o$m$_o$bcb	b	bwm$_o$
	Felixstowe ...	cd$_o$	cd$_o$bcc	cbc	bcbwm$_o$
	Gorleston ...	pr$_o$bcq	bcq	bcq	bcm$_o$
	Cranwell ...	cid$_o$c	cbw	bwbcb	bm$_o$fe
3	Cardington ...	*	*	*	bwcm$_o$
	Birmingham ...	oc	co	oid$_o$c	cbcm$_o$
	Upper Heyford	oc	c	cm$_o$	cm$_o$
	Leafield ...	o	oc	od$_o$	c
4	Ross-on-Wye ...	dmomo	om$_o$	omid$_o$	om$_o$
5	Portland Bill...	cid$_o$	cid$_o$rrd$_o$d	od$_o$	d$_o$oid$_o$
	Plymouth ...	bcc	bcc	cm$_o$bc	bcwcm
	Falmouth ...	cq	cq	cq	cq
	Scilly (St. Mary's)	bcc	cbc	cbc	bcc
	Guernsey ...	cbc	bc	bc	bcc
6	Pembroke ...	oc	c	o	oc
7	Holyhead ...	cbcm$_o$	cm$_o$	com$_o$	ocm$_o$
	Chester (Sealand)	com$_o$	coz$_o$m	om	omm$_o$w
8	L'pool (Bidston)	omcmm	cmogf	fco	o
9	Harrogate ...	ofocid$_o$	cbccm	cbc	cbc
10	Spurn Head ...	cpr$_o$c	bc	cbc	bcwF
	Tynemouth ...	oir$_o$bc	bc	bcm	bcoff
11	Inchkeith ...	c	c	cbc	bcmm
	Leuchars ...	c	c	cbcwm$_o$	bccwm$_o$
12	Renfrew ...	mffd$_o$c	cbcm$_o$	bccm	cmff
	Eskdalemuir ...	cid$_o$	cid$_o$c	cw	cw
13A	Tiree ...	wbcm$_o$	bcm$_o$c	cm$_o$	om$_o$
13B	Stornoway ...	bcc	c	cbc	bccid$_o$
15	Dalwhinnie ...	c	c		c
	Aberdeen ...	fc	cb	bc	bc
	Wick ...	c	cbc	bc	bcc
16	Lerwick ...	bcc	c	cbc	bcc
17	Blacksod Point	c	c	o	o
18	Malin Head ...	cz$_o$z$_o$	cz$_o$z$_o$	cz$_o$z$_o$	cz$_o$z$_o$
	Aldergrove ...	om$_o$c	cm$_o$c	cmm$_o$	cm$_o$
	Donaghadee ...	cbc	bcb	bbcc	cid$_o$c
19	Birr Castle ...	fo	ocd	od$_o$o	o
20	Valentia Obsy.	c	c	c	cw
	Roches Point...	cod$_o$d$_o$	od$_o$c	coid$_o$	oid$_o$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.
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.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

SUNDAY 18th October 1931.

No. 25,532

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

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	1029.3	+2	NEN	2	o/r	50	95	6	5	-	-	10	10	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1028.6	+4	NNE	2	b	48	96	7	-	-	-	0	0	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1028.5	+4	NE	3	id.	50	95	7	5	-	-	10	10	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1030.6	+8	NEN	4	c	53	96	7	-	2	-	0	10	-
	Cranwell ...	240	1031.7	+2	NE	2	c	48	96	6	5	-	-	10	10	2500
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1028.0	+4	NE	6	c	52	85	6	4	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1027.2	-2	ENE	5	q	54	85	7	5	-	-	7.8	7.8	4000
	Scilly (St. Mary's)	163	1026.3	0	EN	4	bc	53	85	6	2	-	-	4.6	4.6	4000
	Guernsey ...	175	1026.2	0	NE	4	b	55	85	7	-	-	-	0	0	-
6	Pembroke ...	142	1033.5	+2	SEE	2	c	52	95	7	4	6	6	7.8	7.8	1500
7	Holyhead ...	26	1030.3	+2	E	6	b	51	95	6	-	-	-	0	0	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1031.2	0	NEE	3	0	51	95	7	5	-	-	10	10	1500
	Tynemouth ...	67	1033.6	0	NNW	2	bc	47	95	7	3	-	-	4.6	4.6	2500
11	Inchkeith ...	190	1034.6	+4	ENE	2	bc	48	95	7	5	-	-	2.3	2.3	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1034.6	0	NNE	3	bc	49	85	8	4	-	-	4.6	4.6	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1035.7	+2	NW	2	bc	43	95	8	5	7	8	2.3	4.6	4000
16	Lerwick ...	54	1036.0	-2	-	0	bc	42	95	7	5	8	-	Tr.	2.3	1500
17	Blacksod Point	18	1030.7	0	E	2	b	50	95	7	-	-	-	0	0	-
18	Malin Head ...	52	1032.1	-2	S	1	3	48	95	5	-	-	-	0	0	-
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1029.1	0	E'S	2	0	53	85	7	5	-	-	10	10	2600
	Roches Point ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 18th 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) ...	1030.2	+8	NE	2	o	50	85	6	5	-	-	10	10	1500	1	*
	Croydon ...	1029.7	+4	NE'N	2	d.d.	49	95	5	5	-	-	10	10	800	1	*
	S. Farnborough	1030.4	+6	NE'N	2	d.d.	49	95	5	5	-	-	10	10	800	0	*
	Winchester ...	1029.8	+2	NNE	4	id.	49	95	7	5	-	-	10	10	1500	0	*
	Boscombe Down	1030.0	+8	NE	3	id.	48	95	6	5	-	-	10	10	800	1	*
	Calshot (S'thmtn)	1028.9	+2	NNE	2	c	51	95	6	5	-	-	10	10	1500	0	1
	Dungeness ...	*	*	E	2	c	*	*	7	8	-	*	10	10	1500	*	0
	Lympne ...	1028.8	+4	NE	3	c	51	85	8	5	-	-	10	10	2500	0	*
2	Shoeburyness	1029.9	+4	NNE	4	d.d.	50	95	6	5	-	-	10	10	1500	1	*
	Felixstowe ...	1030.2	+8	NNW	2	c	50	95	8	5	-	-	10	10	2500	0	1
	Gorleston ...	1030.3	+4	NE'E	4	c	54	85	7	5	-	-	10	10	2500	0	3
	Cranwell ...	1031.8	+4	N	1	c	49	95	6	5	-	-	10	10	2500	0	*
3	Cardington ...	1031.0	+4	ENE	2	c	50	85	6	5	-	-	10	10	1500	*	*
	Birmingham ...	1031.9	+4	NE	2	o	48	85	7	6	-	-	10	10	800	1	*
	Upper Heyford	1030.7	+6	NE'E	3	o	49	95	6	5	-	-	10	10	450	0	*
	Leafield ...	1030.7	+6	ENE	3	id.	48	95	6	5	-	-	10	10	1500	1	*
4	Ross-on-Wye ...	1030.8	+4	ENE	3	id.	48	95	4	5	-	-	10	10	800	1	*
5	Portland Bill ...	1028.0	+6	NE'E	5	c	52	85	8	4	7	-	4-6	9	2500	0	4
	Plymouth ...	1028.4	+10	E	3	c	51	85	8	5	-	-	9+	9+	2500	0	1
	Falmouth ...	1027.5	+2	NE'E	4	q	52	85	7	5	-	-	7-8	7-8	4000	0	3
	Scilly (St. Mary's)	1027.0	0	E	4	bc	53	85	6	2	-	-	4-6	4-6	4000	0	3
	Guernsey ...	1026.7	+10	ENE	4	c	54	85	7	8	3	-	4-6	7-8	2500	0	4
6	Pembroke ...	1029.3	+4	SE	2	c	51	95	7	4	-	-	10	10	800	0	2
7	Holyhead ...	1031.6	+12	E	5	c	50	85	6	5	-	8	9+	10	2500	0	2
	Chester (Sealand)	1032.7	+8	ESE	1	c	47	95	5	5	-	-	9+	9+	1500	0	*
8	L'pool (Bidston)	1032.5	0	E	1	o	49	85	5	5	-	-	10	10	1500	0	*
9	Harrogate ...	1033.5	0	N'W	1	f	47	95	3	5	-	-	10	10	4150	1	*
10	Spurn Head ...	1031.4	0	NE'N	2	pr	53	95	7	3	2	-	2-3	10	2500	0	2
	Tynemouth ...	1032.3	+2	N	1	dmdz	53	95	4	6	-	-	10	10	1500	1	1
11	Inchkeith ...	1034.1	+4	E	3	c	49	95	8	6	2	-	4-6	9+	4000	1	2
	Leuchars ...	1034.6	+10	NE	1	c	47	95	7	5	-	-	9	9	1500	1	*
12	Renfrew ...	1034.6	+2	—	0	c	43	95	4	5	-	-	10	10	2500	1	*
	Eskdalemuir ...	1034.0	0	N'E	2	c	46	95	6	5	-	-	9	9	1500	1	*
13A	Tiree	1032.9	+2	~~NNE~~ SE	~~4~~ 3	bc	48	95	7	5	6	-	1	2-3	2500	0	2
13B	Stornoway ...	1033.5	-4		0	c	47	95	8	4	7	-	4-6	7-8	2500	0	1
15	Dalwhinnie ...	1035.5	0	—	0	F	44	95	1	-	-	-	0	0	—	1	*
	Aberdeen ...	1035.5	+6	NNW	1	c	46	85	8	5	-	-	10	10	2500	1	0
	Wick	1034.6	-4	WSW	2	c	34	95	8	5	4	8	4-6	7-8	2500	0	2
16	Lerwick ...	1033.5	-6	—	0	bc	43	95	7	5	-	-	4-6	4-6	1500	0	*
17	Blacksod Point	1036.9	+2	E	3	c	49	95	7	-	2	-	0	10	—	0	2
18	Malin Head ...	1032.6	+6	SE	1	c	51	95	5	5	1	-	9	10	800	0	0
	Aldergrove ...	1033.2	+16	ENE	2	o	50	95	6	5	-	-	10	10	800	1	*
	Donaghadee ...	1032.8	+6	SSE	3	c	51	85	7	5	-	-	9	9	1500	0	2
19	Birr Castle ...	1030.0	+4	NE	1	of	48	95	3	5	-	-	10	10	1500	0	*
20	Valentia Obsy.†	1028.5	+4	ESE	2	c	54	85	8	5	-	-	9+	9+	2500	0	2
	Roches Point ...	1028.8	0	SE	3	c	53	85	8	5	-	-	9	9	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 17th Hrs. (36)
1	London (Kew) ...	55	49	48	-	Tr.	0.0
	Croydon ...	54	49	48	-	0.4	0.0
	S. Farnborough	54	48	47	-	0.1	0.0
	Winchester ...	53	48	47	-	Tr.	0.0
	Boscombe Down	53	47	47	-	Tr.	*
	Calshot (S'thmtn)	56	47	39		—	0.0
	Dungeness ...	56	50	*	-	Tr.	*
	Lympne ...	53	47	44	-	Tr.	1.0
2	Shoeburyness	56	49	49	-	Tr.	0.0
	Felixstowe ...	55	49	47	Tr.	1	0.0
	Gorleston ...	55	51	49	Tr.	0.2	0.0
	Cranwell ...	51	47	47	Tr.	—	1.5
3	Cardington ...	*	*	*	*	*	*
	Birmingham ...	53	46	45	0.1	0.1	0.9
	Upper Heyford	52	48	47	-	—	*
	Leafield ...	51	46	46	-	0.2	0.0
4	Ross-on-Wye ...	53	48	47	-	Tr.	0.0
5	Portland Bill ...	57	51	*	-	-	*
	Plymouth ...	57	50	48	-	-	1.7
	Falmouth ...	57	50	*	-	-	0.9
	Scilly (St. Mary's)	(59)	52	*	-	-	3.6
	Guernsey ...	59	54	49	-	-	9.4
6	Pembroke ...	(56) 58	38	*	-	-	1.1
7	Holyhead ...	60	49	45	-	-	8.5
	Chester (Sealand)	51	42	37	Tr.	0.1	1.4
8	L'pool (Bidston)	54	47	45	Tr.	-	3.8
9	Harrogate ...	48	47	46	0.1	Tr.	2.9
10	Spurn Head ...	53	50	*	-	Tr.	1.0
	Tynemouth ...	56	46	41	-	Tr.	*
11	Inchkeith ...	54	47	34	Tr.	1	2.1
	Leuchars ...	56	41	33	-	0.3	3.8
12	Renfrew ...	54	42	37	-	—	1.7
	Eskdalemuir ...	59	43	39	-	—	6.6
13A	Tiree	56	40	30	-	—	6.3
13B	Stornoway ...	55	45	*	-	—	0.0
15	Dalwhinnie ...	55	35	26	-	—	5.0
	Aberdeen ...	56	45	44	-	0.1	1.5
	Wick	53	34	*	0.1	—	*
16	Lerwick ...	51	41	*	-	—	3.4
17	Blacksod Point	58	43	*	-	—	*
18	Malin Head ...	56	46	*	-	—	5.7
	Aldergrove ...	62	47	36	-	Tr.	6.9
	Donaghadee ...	57	51	*	—	—	*
19	Birr Castle ...	56	44	30	-	—	2.2
20	Valentia Obsy.†	59	53	48	-	—	1.2
	Roches Point ...	57	52	*	-	—	*

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	c3.	c3.	cm.r.	55	49	48	-	Tr.	0.0	*	*	5
Croydon	217	cm.	cm.	cmpdzl	54	49	48	-	0.4	0.0	*	*	4
Greenwich (Royal Observatory) ...	149	o	o	odzlm	55	49	45	-	Tr.	0.0	78	88	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	56	50	49	0.3		0.0	71	85	*
Regents Pk. (Botanic Gardens) ...	168	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square	110	c	c	*	55	49	48	-	0.3	*	*	92	*
Kensington	80	c0	o	*	55	49	47	-	0.3	0.0	At 18h. 7.7	88	*
Hampstead Observatory	450	cm	cm	*	53	45	44	-	0.5	0.0	*	93	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.
0.8	15-19h 17th	NIL	0-7h 18th

Kew Observatory Max.	Time.	Min.	Time.
0.3	9h. 17th	0.1	3h. 18th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 17th October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 18th October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1024.2	NE	2	3	52	1027.3	NNE	3	m	41	61	37	-	-
Brussels	1026.7	NE	2	b	50	1028.4	NE	2	o/d	46	57	43	-	Tr.
Berlin	1026.7	-	0	3	46						55		-	
Zurich	1023.9	ESE	1	b	43	1024.6	ENE	1	b	31	54	28	-	-
Rome	1018.1	N	3	bc	54	1014.1	NNE	2	bc	41	59	34	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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.

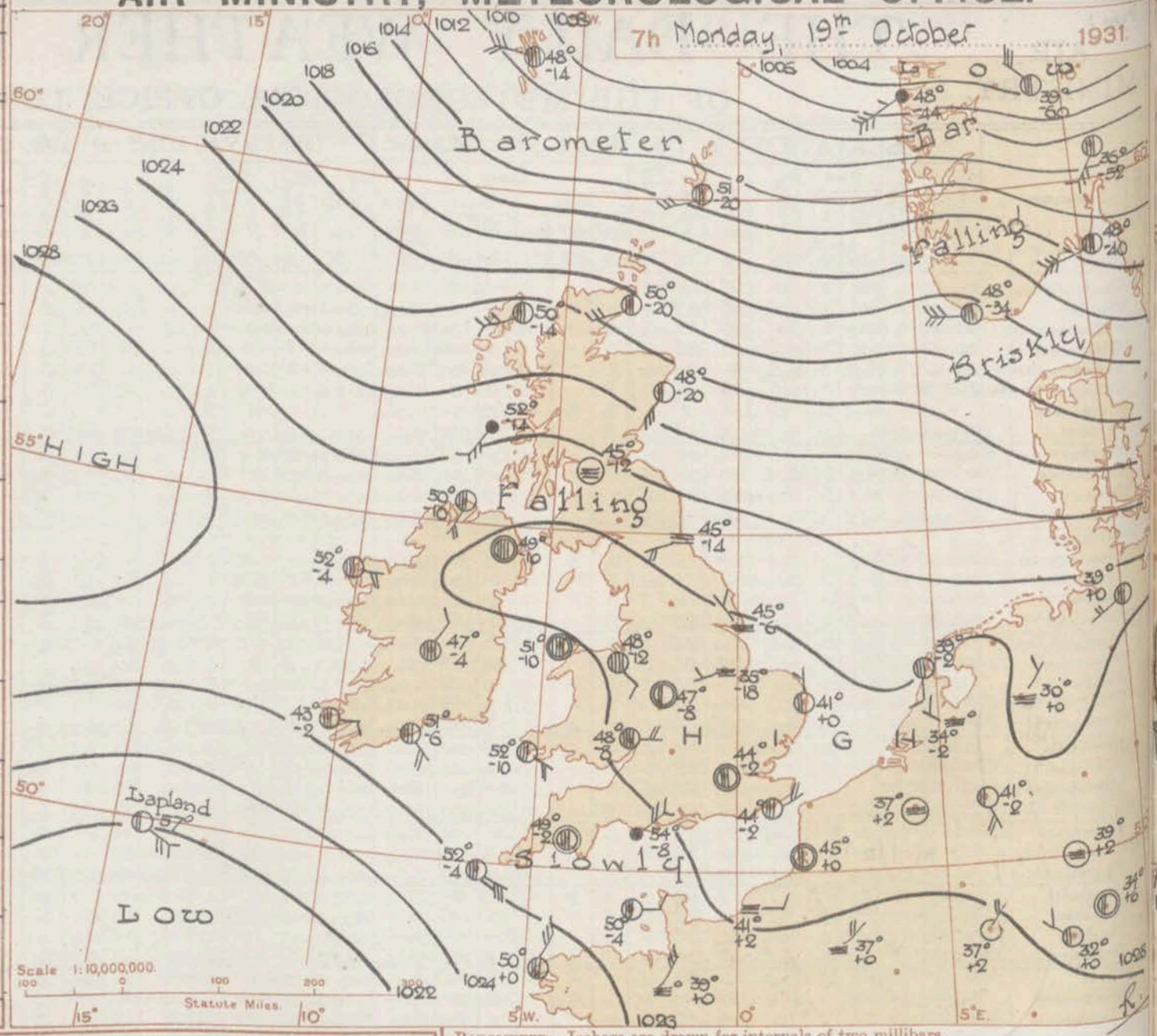
AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

REPORTS from HEALTH RESORTS for ....18th. October.....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 17h. 18th.	Sunshine. Sunrise to Sunset. 17th.
1	Tunbridge W.	odo	od	49	54	1	1	0·0	0·0
	Bournemouth	o	o	46	53	-	-	0·0	0·0
	Ventnor ...	oug	oco	50	55	Trace	Trace	0·1	0·0
	Southsea ...	o	ocm	47	54	Trace	-	0·0	0·0
	Bognor Regis	cid	oidc	48	54	-	Trace	0·0	0·0
	Littlehampton	c	cdc	47	55	-	Trace	0·0	0·0
	Worthing ...	od.	o	48	54	-	Trace	0·0	0·0
	Brighton ...	od	doc	45	55	Trace	0·2	0·0	0·0
	Eastbourne†	d.d.	d.oco	45	55	0·3	0·3	0·1	0·5
	Hastings† ...	oro	oc	47	56	0·4	1	0·3	1·1
	Folkestone ...	odm.c	coidc	50	58	0·4	1	0·5	1·3
	Dover... ...	doc	cid.	51	58	0·6	Trace	0·2	1·7
	Deal	r.oc	o	52	58	Trace	Trace	0·1	0·5
	Ramsgate ...	co	o	52	58	-	-	0·0	0·0
	Margate ...	c	cp	52	58	-	Trace	0·1	0·0
2	Southend ...	o	or.c	50	55	0·1	Trace	0·0	0·0
	Maldon ...	oc	c	50	56	0·5	-	0·0	0·0
	Clacton-on-Sea	cpogc	obc	50	56	0·2	-	0·0	0·0
	Dovercourt ...	doč	bocbc	50	56	0·3	Trace	1·0	0·0
	Lowestoft ...	cd.bc	bcb	51	55	0·3	Trace	3·7	0·1
	Skegness ...	cbc	bcom.	47	57	-	-	4·7	0·5
	Mablethorpe	wbc	bc	48	55	-	-	5·0	2·7
	Cleethorpes ...	ovcb	bc	46	56	0·3	-	5·0	0·2
3	Leamington S.	o	o	48	55	-	-	0·0	0·0
4	Cheltenham†	om.	om.f	48	54	Trace	-	0·0	0·0
5	Bath	cd.	d.c	49	53	Trace	Trace	0·0	0·0
	Weymouth ...	o	o	50	54	-	-	0·0	0·0
	Jersey ...	bc	bc	51	57	-	-	8·8	9·8
	Torquay ...	ov	om.	52	56	-	-	0·0	0·0
	Penzance ...	bc	c	50	58	-	-	3·1	0·2
	St. Ives ...	c	c	48	57	-	-	2·0	0·1
	Bude	cbcb	c	45	57	-	-	1·8	5·4
	Ilfracombe ...	o	o	51	56	-	-	0·0	0·0
6	Aberystwyth	cxm	cm	48	54	-	-	0·0	9·0
7	Llandudno ...	c	c	48	56	-	-	0·0	7·8
	Colwyn Bay...	o	oco	45	55	-	-	0·1	7·9
	Rhyl	crn.	cm.	45	56	-	-	0·0	6·9
8	Wallasey ...	foc	cf	46	56	-	-	0·0	3·7
	Southport‖ ...	oco	oco	47	56	-	-	0·3	5·9
	Blackpool ...	c	co	43	56	-	-	0·4	6·5
	Morecambe ...	cbocb	bcc	42	56	-	-	0·6	6·0
9	Ilkley... ...	ocd.	d.c	39	53	Trace	Trace	0·0	7·9
10	Berwick-on-T.	cbc	bcc	39	52	0·5	-	2·8	0·9
11	Dumbar ...	or.o	c	43	51	1	-	0·0	3·0
12	Douglas ...	cb	cb	49	56	-	-	3·3	7·7

† 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. 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. 19th October, 1931
1. S.E. England	Light easterly or variable wind; fair; mist or fog locally night and morning; perhaps local ground frost at night moderate day temperature.
2. E. England...	
3. E. Midlands	Light variable or westerly wind; fair, but some mist or fog; moderate day temperature, perhaps local ground frost at night.
4. W. Midlands	Light variable wind; fair; some mist or fog; moderate temperature.
5. S.W. England	
6. South Wales	Light or moderate easterly wind; fair; some mist; moderate temperature.
7. North Wales	As 4.
8. N.W. England	Light variable to moderate westerly wind; fair at first, perhaps less settled later; moderate temperature.
9. N. Midlands	
10. N.E. England	
11. S.E. Scotland	Moderate or fresh westerly wind; cloudy, some drizzle or rain; moderate temperature, becoming lower.
12. S.W. Scotland & Isle of Man	
13. A. W. Scotld. B. N.W. Scotland.	Moderate or fresh westerly wind, strong locally, veering a little; cloudy; some drizzle or rain, then showers; cooler tomorrow.
14. Mid-Scotland	
15. N.E. Scotland	
16. Orkneys and Shetlands.	
17. N.W. Ireland	As 7 - 10.
18. N.E. Ireland	
19. S.E. Ireland	As 4.
20. S.W. Ireland	

GENERAL INFERENCE.

A belt of high pressure extending from westnorthwest of Ireland to Central Europe tends to weaken and move southwards. A deep depression centred over Northern Norway is expected to move east-southeast, accompanied by secondary disturbances. Weather will continue mainly fair and quiet in the South, but west or northwest winds and somewhat less settled conditions are probable in Scotland.

FURTHER OUTLOOK.

Cooler and somewhat unsettled in the North; mainly fair elsewhere.

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

H.M. Stationery Office Press, Kingsway, W.C.2. Pk. 305/2321. Wt. 75. 0.6001. Gp. 908

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 20th October 1931.

No. 25534

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1026.1	-12	NW	1	c	55	65	6	4	-	-	7·8	7·8	5700
	Croydon	1026.1	-18	-	0	u	58	65	4	7	-	-	4·6	4·6	2500
	S. Farnborough	1026.2	-18	N	1	c	55	65	7	5	-	-	10	10	2500
	Winchester	1026.2	-16	NE	1	c	55	75	7	5	2	-	9	10	2500
	Boscombe Down	1026.5	-16	NE	1	c	55	75	6	5	-	-	10	10	1500
	Calshot, S'thmtn	1026.2	-16	ENE	2	c	56	78	6	5	-	-	10	10	4000
	Dungeness	*	*	ESE	1	bc	*	*	7	1	7	*	2·3	4·6	2500
	Lympne	1025.8	-16	S	2	bc	57	75	7	7	-	-	4·6	4·6	4000
2	Shoeburyness	1026.6	-10	SSE	2	c	57	75	7	5	-	-	7·8	7·8	4000
	Felixstowe	1026.4	-18	SE'S	1	bc	58	65	8	7	-	-	2·3	2·3	2500
	Gorleston	1025.9	-16	WNW	1	bc	58	85	7	1	-	-	4·6	4·6	4000
	Cranwell	1025.7	-26	WSW	3	b	55	75	6	-	-	-	0	0	-
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1026.7	-12	WSW	1	c	52	75	5	5	-	-	9+	9+	2500
	Upper Heyford	1026.9	-10	NNW	2	c	53	75	7	5	-	-	10	10	2500
	Leafield	1026.4	-10	NNW	1	c	52	75	8	5	-	-	9+	9+	2500
4	Ross-on-Wye	1026.5	-10	NW	2	c	53	85	6	5	-	-	10	10	2500
5	Portland Bill	1025.7	-4	E'N	4	c	56	75	6	4	2	-	7·8	10	2500
	Plymouth	1025.7	-10	ESE	2	c	56	85	8	5	-	-	9+	9+	4000
	Falmouth	1025.5	-6	E	3	c	55	85	7	5	-	-	10	10	4000
	Scilly (St. Mary's)	1025.2	-10	E'S	4	c	56	85	7	5	1	-	4·6	9+	4000
	Guernsey	1025.1	-12	E'N	2	bc	55	85	6	7	1	-	2·3	4·6	2500
6	Pembroke	1026.4	-6	E	1	c	53	95	6	4	6	-	7·8	9+	450
7	Holyhead	1025.7	-18	SSW	1	c	55	85	6	5	-	-	10	10	4000
	Chester (Sealand)	1026.4	-18	SSE	1	o	52	95	4	5	-	-	10	10	2500
8	L'pool (Bidston)	1025.9	-4	SW'S	2	o	52	85	5	5	-	-	10	10	1500
9	Harrogate	1025.3	-10	SW	2	c	50	85	4	5	2	-	7·8	10	4150
10	Spurn Head	1024.8	-6	W'N	2	bc	55	75	7	-	1	-	0	2·3	-
	Tynemouth	1023.5	-12	W	2	o	53	85	5	6	-	-	10	10	1500
11	Inchkeith	1022.6	-24	W	3	c	52	85	5	5	-	-	9+	9+	2500
12	Leuchars	1020.5	-26	WSW	4	c	53	75	6	5	3	-	9	9+	2500
	Renfrew	1023.8	-20	W	3	c	53	75	6	5	-	-	9+	9+	4000
	Eskdalemuir	1023.6	-24	W	3	c	50	85	6	5	2	-	7·8	10	1500
13A	Tiree	1023.8	-18	W'N	4	c	53	85	7	5	7	-	9+	9+	2500
13B	Stornoway	1018.8	-18	WSW	5	c	53	85	8	8	7	-	7·8	10	2500
15	Dalwhinnie	1020.3	-6	SE	3	c	49	85	5	3	-	-	7·8	7·8	450
	Aberdeen	1018.6	-18	WSW	3	c	57	65	6	7	3	-	2·3	9	2500
16	Wick	1016.0	-24	W	4	c	52	75	8	8	7	-	7·8	10	2500
	Lerwick	1008.9	-24	WSW	4	r₀r₀	50	85	6	9	2	-	4·6	10	1500
17	Blacksod Point	1026.2	-6	-	0	c	53	85	7	-	2	-	0	10	-
18	Malin Head	1025.1	-18	SW'W	3	c	52	95	5	6	1	-	7·8	10	1500
	Aldergrove	1026.3	-14	SW'S	2	c	51	85	5	5	2	-	9	10	1500
	Donaghadee	1026.0	-8	SSW	1	c	52	85	7	5	4?	-	4·6	9+	1500
19	Birr Castle	1026.6	-8	S	1	o	52	85	7	5	-	-	10	10	2500
20	Valentia Obsy.	1026.2	-2	-	0	c	54	85	8	5	-	-	10	10	7200
	Roches Point	1026.5	-4	SE	2	c	55	85	8	5	-	-	9	9	2500

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

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1024.3	-10	W'N	1	m	51	75	4	5	3	-	7·8	7·8	4000	0	*
	Croydon	1024.2	-10	WNW	2	c	51	75	4	5	-	-	7·8	7·8	4000	1	*
	S. Farnborough	1024.3	-10	-	0	c	49	85	6	5	-	-	9	9	4000	0	*
	Winchester	1024.3	-10	NNE	1	c	51	95	7	5	-	-	9+	9+	4000	0	*
	Boscombe Down	1024.6	-6	W	1	c	52	85	6	5	-	-	9+	9+	4000	0	*
	Calshot, S'thmtn	1024.3	-8	W	1	c	53	85	6	5	-	-	9	9	4000	0	0
	Dungeness	*	*	S	1	bc	*	*	7	-	3	*	0	2-3	-	*	0
	Lympne	1023.8	-8	SW	2	c	50	95	6	5	-	-	7·8	7·8	4000	0	*
2	Shoeburyness	1023.9	-12	SSW	1	c	49	95	6	5	-	-	9+	9+	2500	0	*
	Felixstowe	1023.8	-12	WSW	2	c	53	85	8	5	-	-	9	9	2500	0	0
	Gorleston	1023.1	-12	WNW	1	c	53	85	6	7	-	-	9	9	4000	0	2
	Cranwell	1023.1	-12	WSW	2	m	50	85	4	5	-	-	10	10	2500	0	*
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1023.9	-10	WSW	1	c	50	85	6	5	-	-	9+	9+	2500	0	*
	Upper Heyford	1024.6	-10	NW'N	2	c	50	75	7	5	-	-	10	10	2500	0	*
	Leafield	1024.2	-8	NW	2	c	49	75	8	5	-	-	9+	9+	4000	0	*
4	Ross-on-Wye	1024.1	-10	WNW	1	c	51	95	5	5	-	-	10	10	2500	1	*
5	Portland Bill	1023.9	-6	ESE	2	c	54	85	7	4	4	9	4·6	7·8	2500	0	2
	Plymouth	1024.2	0	-	0	bc	53	95	4	5	7	-	2·3	4·6	2500	1	0
	Falmouth	1024.0	-6	E'S	3	c	54	85	8	8	6	-	4·6	7·8	4000	0	2
	Scilly (St. Mary's)	1024.2	-6	E'S	2	c	53	85	6	5	7	-	4·6	9	4000	0	1
	Guernsey	1023.8	-8	NE	1	bc	52	85	7	7	1	-	2·3	4·6	4000	0	2
6	Pembroke	1023.7	-14	E	1	c	53	95	6	4	6	-	4·6	7·8	450	0	0
7	Holyhead	1023.5	-8	NW	4	c	54	85	6	5	-	-	9+	9+	4000	0	1
	Chester (Sealand)	1023.7	-10	W'S	1	o	51	95	4	5	-	-	10	10	2500	0	*
8	L'pool (Bidston)	1023.3	-10	WSW	2	o	51	85	5	5	-	-	10	10	1500	0	*
9	Harrogate	1022.4	-10	SSW	2	c	49	95	5	6	2	-	9	10	2500	1	*
10	Spurn Head	1022.2	-8	WNW	3	o	52	95	4	5	-	-	10	10	450	0	2
	Tynemouth	1019.9	-12	W	2	c	51	75	6	6	-	-	7·8	7·8	1500	0	1
11	Inchkeith	1019.1	-12	WSW	4	c	51	95	6	5	1	9	2·3	7·8	800	0	2
12	Leuchars	1016.8	-18	W	3	c	53	75	6	-	9	1	0	9	-	0	*
	Renfrew	1020.2	-18	WSW	3	c	51	85	6	5	-	-	9+	9+	2500	1	*
	Eskdalemuir	1020.7	-16	SW'W	4	c	48	85	6	5	-	-	10	10	1500	1	*
13A	Tiree	1020.7	-18	W'N	5	c	52	95	7	5	7	-	4·6	9+	2500	0	3
13B	Stornoway	1015.5	-12	WNW	5	q	52	85	7	3	7	-	4·6	9	2500	1	4
15	Dalwhinnie	1018.2	-10	ESE	4	c	47	95	5	3	-	-	7·8	7·8	800	0	*
	Aberdeen	1015.0	-10	W	2	c	54	65	8	5	7	-	4·6	9	2500	0	1
16	Wick	1011.2	-28	WNW	5	c	51	85	8	8	7	8	7·8	9+	2500	0	3
	Lerwick	1005.1	-16	W'N	4	c	49	85	7	9	2	-	4·6	10	1500	1	*
17	Blacksod Point	1024.9	-6	WSW	1	r₀r₀	50	95	7	6	-	-	10	10	4150	1	1
18	Malin Head	1022.8	-8	NW'N	3	3	52	95	6	5	1	-	9	10	1500	0	1
	Aldergrove	1023.7	-6	WSW	2	o	50	85	6	5	-	-	10	10	1500	1	*
	Donaghadee	1023.3	-8	SSW	1	c	50	85	7	5	2	-	4·6	9+	800	0	0
19	Birr Castle	1024.9	-8	N	1	o	50	95	7	5	-	-	10	10	2500	0	*
20	Valentia Obsy.	1024.9	-4	E	1	c	51	85	8	5	-	-	10	10	4000	0	2
	Roches Point	1024.5	-6	SE	2	c	53	95	8	5	-	-	9	9	2500	0	2

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. 19th. (37)	13h.–18h. 19th. (38)	18h. 19th to 1h. 20th. (39)	1h.–7h. 20th. (40)
1	London (Kew)	cfwbc3₀	c3₀bem	cmcm₀	c3₀
	Croydon	bcmm₀u	bemufc	bcc3	cm₀
	S. Farnborough	cmfc	c	bccfc	c
	Winchester	cm₀	c	c	cm₀
	Boscombe Down	cm₀	cm₀	cm₀	cm₀
	Calshot, S'thmtn	cm₀	cm₀	cm₀	cm₀
	Dungeness	bc	b	*	0
	Lympne	bc	bccm₀	bcm₀	bccm₀
2	Shoeburyness	bbc	bccm₀	cm₀	cm₀
	Felixstowe	bm₀bc	bcvc	cbc	bcc
	Gorleston	bcm₀	bccm₀	bcb	c
	Cranwell	bcfbm₀	b3₀cm	cmm₀	cm₀
3	Cardington	*	*	*	c
	Birmingham	mc	c	c	c
	Upper Heyford	bcm₀c	c	c	c
	Leafield	c	c	c	c
4	Ross-on-Wye	om₀cm₀	cm₀	cm₀	c
5	Portland Bill	id₀c3₀	c	c, c3₀	c, c3₀
	Plymouth	bccm₀	bcm₀cw	bcmc	bcwcm₀
	Falmouth	c	cbc	bcm₀	bcm₀
	Scilly (St. Mary's)	c	c	cbcb	bcc
	Guernsey	cbc	bccoc	bc	bccw
6	Pembroke	of	of	oc	c
7	Holyhead	cm₀	cm₀	cm₀	cm₀
	Chester (Sealand)	om₀m	cm₀	cm₀	cm₀
8	L'pool (Bidston)	omm₀	omm	om₀o	ogc
9	Harrogate	cm	cid₀	cqp₀	cqp₀
10	Spurn Head	cFbc	bcofm	omc	cbccqpc
	Tynemouth	off	oc	cbcq	bccpq
11	Inchkeith	bccmm	cm	bc	cirbc
12	Leuchars	cwcm₀	cm₀	cm₀c	c, byv
	Renfrew	cfm₀	cm₀d₀c	cbbc	pr₀by
	Eskdalemuir	cwc	c	c	crb
13A	Tiree	id₀gc	bc	cbc	cir₀
13B	Stornoway	c	cpr₀q	cir	cpr₀
15	Dalwhinnie	c	c		c
	Aberdeen	bcc3₀	c3₀c	cir	cirs
16	Wick	c	c		
	Lerwick	cr₀r₀	cr₀r₀	iRqc	cirq
17	Blacksod Point	o	jp	crr,bcph	bcphr
18	Malin Head	c3₀3₀	c3₀3₀	ir	ir
	Aldergrove	d₀c	cm₀	c3₀bc	bccprc
	Donaghadee	c	c	am₀	cp
19	Birr Castle	o	o	oc	cq
20	Valentia Obsy.	cwc	c	c	cr₀
	Roches Point	c	c	c	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_s, 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.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 19th October 1931.

No. 25,533.

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

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	1030.1	-2	-	0	b	41	95	6	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1029.1	-4	NE	2	c	53	85	7	5	-	-	9+	9+	1500
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1028.9	-4	ESE	3	bc	50	95	8	5	-	-	4.6	4.6	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1030.1	-4	ESE	2	bc	53	85	7	-	3	-	0	4.6	-
	Cranwell	240	1031.2	-4	-	0	b	39	95	6	5	-	-	1	1	4000
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1027.9	-2	NE	4	do.	54	86	4	5	-	-	10	10	1500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1027.2	-2	E'S	4	q	56	86	8	5	-	-	7.8	7.8	4000
	Scilly (St. Mary's)	163	1026.5	-8	ESE	4	bc	53	95	7	5	-	-	4.6	4.6	4000
	Guernsey	175	1027.3	0	E	2	bc	60	85	7	7	-	-	4.6	4.6	2500
6	Pembroke	142	10	-6	SE	1	c	53	96	8	4	6	-	7.8	9	450
7	Holyhead	26	1029.8	-8	-	0	0	53	86	6	5	-	-	10	10	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1030.3	0	-	0	bc	50	96	7	-	2	-	0	2.3	-
	Tynemouth	67	1030.1	-10	WSW	2	bc	45	95	6	5	-	-	4.6	4.6	800
11	Inchkeith	190	1029.7	-16	SW	2	bc	48	95	7	5	-	-	4.6	4.6	800
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1026.7	-14	SW	2	bc	48	95	7	4	-	-	4.6	4.6	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1026.2	-12	SSW	2	bc	44	95	8	5	4	-	2.3	4.6	4000
16	Lerwick	54	1028.0	-30	WSW	3	bc	50	85	7	5	-	-	4.6	4.6	1500
17	Blacksod Point	18	1029.0	-4	E	3	c	52	85	6	-	2	-	0	10	-
18	Malin Head	52	1029.6	-10	SSE	1	3	50	95	5	5	-	-	10	10	1500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1028.3	-6	SE'E	2	0	49	95	7	5	-	-	10	10	2600
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 19th 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)	1028.6	-4	-	0	cf	47	95	3	5	-	-	9+	9+	2500	1	*
	Croydon	1028.8	-2	-	0	cm	44	95	4	4	-	-	7.8	7.8	2500	1	*
	S. Farnborough	1028.4	-4	ENE	1	c	47	95	5	5	-	-	10	10	1500	1	*
	Winchester	1028.1	-8	N'E	1	c	49	95	6	5	-	-	10	10	2500	0	*
	Boscombe Down	1028.3	-2	-	0	c	49	95	6	5	-	-	10	10	2500	1	*
	Calshot, (S'thmtn)	1028.0	-10	NNE	2	c	52	85	6	5	-	-	10	10	2500	0	1
	Dungeness	*	*	NNE	1	bc	*	*	6	2	8	*	2.3	4.6	1500	*	1
	Lympne	1028.1	-2	ENE	2	c	44	95	7	5	-	-	7.8	7.8	2500	1	*
2	Shoeburyness	1028.4	-4	NW	2	bf	43	95	3	5	3	-	Tr.	1	4000	1	*
	Felixstowe	1028.7	-4	NW	1	bc	42	95	6	8	-	-	2.3	2.3	2500	0	0
	Gorleston	1029.1	0	N	1	bc	41	95	5	5	2	-	2.3	4.6	1500	0	2
	Cranwell	1028.7	-18	WSW	1	bif	35	95	2	-	-	1	0	Tr.	-	0	*
3	Cardington	1028.7	-4	-	0	c	43	95	5	5	-	-	9	9	4000	*	*
	Birmingham	1028.9	-8	-	0	bcm	47	95	4	-	-	2	0	4.6	-	0	*
	Upper Heyford	1028.8	-8	NNE	2	c	45	95	5	5	-	-	10	10	2500	0	*
	Leafield	1028.3	-6	NNE	1	c	46	95	6	5	-	-	10	10	4000	0	*
4	Ross-on-Wye	1028.4	-8	E	2	c	48	95	5	5	-	-	10	10	1500	1	*
5	Portland Bill	1026.8	-8	NE	4	id.	54	95	6	4	-	-	10	10	1500	1	3
	Plymouth	1026.6	-2	-	0	c	49	95	6	5	-	6	2.3	7.8	4000	1	0
	Falmouth	1026.2	-4	ESE	4	q	54	85	7	5	3	-	7.8	10	4000	0	3
	Scilly (St. Mary's)	1026.1	-4	ESE	3	c	52	95	7	5	7	-	4.6	7.8	4000	0	2
	Guernsey	1026.4	-4	E	1	c	50	95	6	7	1	8	4.6	7.8	2500	0	3
6	Pembroke	1027.8	-10	ESE	2	c	52	95	8	4	6	-	7.8	9	2450	0	10
7	Holyhead	1027.8	-10	-	0	c	51	95	6	5	-	-	10	10	2500	0	0
	Chester (Sealand)	1028.4	-12	SE'E	1	0	48	95	5	5	-	-	10	10	2500	0	*
8	L'pool (Bidston)	1027.8	-12	S	3	0	49	95	7	5	-	-	10	10	1500	0	*
9	Harrogate	1028.3	-10	SSW	1	c	42	95	6	5	t	-	7.8	7.8	2500	1	*
10	Spurn Head	1028.1	-6	NW'N	1	bcf	45	95	3	5	-	-	4.6	4.6	220	1	1
	Tynemouth	1027.6	-14	WSW	2	of	45	95	3	6	-	-	10	10	1500	0	1
11	Inchkeith	1027.6	-12	WSW	1	c	46	95	4	5	1	-	2.3	7.8	800	0	1
	Leuchars	1024.9	-20	SW	3	c	45	85	6	5	9	-	4.6	9	2500	0	*
12	Renfrew	1027.0	-12	-	0	cf	45	95	3	5	-	-	10	10	1500	1	*
	Eskdalemuir	1027.3	-10	S	2	c	44	95	7	5	-	-	7.8	7.8	1500	1	*
13A	Tiree	1025.8	-14	SW	4	do.	52	95	6	6	2	-	4.6	10	1500	1	2
13B	Stornoway	1022.9	-14	WSW	4	c	50	95	7	5	2	-	7.8	10	2500	0	2
15	Dalwhinnie	1023.5	-6	SE	3	c	46	85	5	3	-	-	9	9	450	10	*
	Aberdeen	1023.3	-20	SW	3	bc	48	85	7	-	-	9	0	4.6	-	1	1
	Wick	1020.7	-20	WSW	3	c	50	85	8	8	7	-	7.8	9	2500	0	2
16	Lerwick	1013.6	-20	WSW	3	c	51	75	7	5	2	-	4.6	10	2500	0	*
17	Blacksod Point	1027.8	-4	E	2	c	52	85	7	-	2	-	0	10	-	0	2
18	Malin Head	1027.3	-10	SSW	2	cm.	50	95	5	5	1	-	9	10	1500	0	0
	Aldergrove	1028.4	-10	-	0	c	49	85	6	5	-	-	10	10	1500	1	*
	Donaghadee	1027.9	-8	-	0	c	49	95	7	5	2	-	4.6	9+	1500	1	0
19	Birr Castle	1027.5	-4	NE	1	0	47	95	7	5	-	-	10	10	1500	1	*
20	Valentia Obsy.†	1026.7	-2	E	1	c	43	95	8	5	-	-	7.8	7.8	4000	0	2
	Roches Point	1026.9	-6	SE	2	c	51	95	8	3	-	-	9	9	1500	0	2

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 18h-18h Hrs. (36)
1	London (Kew)	56	46	36	Tr.	-	0.0
	Croydon	55	40	36	Tr.	Tr.	0.0
	S. Farnborough	53	47	46	0.1	Tr.	0.0
	Winchester	53	48	47	Tr.	Tr.	0.0
	Boscombe Down	52	48	48	Tr.	-	*
	Calshot, (S'thmtn)	54	51	49	Tr.	Tr.	0.0
	Dungeness	56	45	*	0.3	-	*
	Lympne	55	43	37	1	Tr.	0.2
2	Shoeburyness	56	40	37	Tr.	Tr.	0.0
	Felixstowe	56	40	32	Tr.	-	1.8
	Gorleston	57	40	37	Tr.	-	5.0
	Cranwell	55	34	32	0.1	Tr.	1.6
3	Cardington	*	*	*	*	*	*
	Birmingham	54	46	45	-	Tr.	0.0
	Upper Heyford	55	43	41	-	-	*
	Leafield	53	45	45	-	Tr.	0.0
4	Ross-on-Wye	53	48	47	0.1	Tr.	0.0
5	Portland Bill	55	53	*	Tr.	Tr.	*
	Plymouth	55	49	45	-	-	1.9
	Falmouth	56	54	*	-	-	2.3
	Scilly (St. Mary's)	58	52	*	-	-	4.0
	Guernsey	58	50	45	-	-	7.7
6	Pembroke	54	48	*	-	-	0.0
7	Holyhead	58	51	49	-	-	2.6
	Chester (Sealand)	56	48	47	-	-	0.1
8	L'pool (Bidston)	55	49	48	-	-	0.0
9	Harrogate	51	40	34	0.1	-	0.0
10	Spurn Head	57	45	*	0.6	Tr.	5.8
	Tynemouth	53	44	38	1	-	*
11	Inchkeith	50	45	39	-	-	0.0
	Leuchars	51	40	31	-	-	0.0
12	Renfrew	52	41	37	Tr.	-	0.0
	Eskdalemuir	48	41	36	Tr.	-	0.0
13A	Tiree	55	50	47	-	-	4.2
13B	Stornoway	55	47	*	-	Tr.	2.9
15	Dalwhinnie	49	45	43	Tr.	-	0.4
	Aberdeen	51	44	40	-	-	4.1
	Wick	50	40	*	-	-	*
16	Lerwick	50	47	*	-	-	7.6
17	Blacksod Point	55	50	*	-	-	*
18	Malin Head	53	49	*	-	-	0.0
	Aldergrove	54	47	44	-	-	0.6
	Donaghadee	55	48	*	-	0.3	*
19	Birr Castle	52	47	46	Tr.	Tr.	0.0
20	Valentia Obsy.†	56	42	36	-	Tr.	0.0
	Roches Point	54	50	*	1	1	*

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon (24 hrs. ended 9h.)	Weather Night (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h. (To-day)
Kew	18	cm.03	03cm	cbfw	56	46	36	Tr.	-	0.0	*	*	3
Croydon	217	cdm	0mid.	bwcw	55	40	36	Tr.	Tr.	0.0	*	*	4
Greenwich (Royal Observatory)	149	om.	od.0	obscmb	56	42	29	-	Tr.	0.0	84	87	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Park)	27	*	*	*	56	47	43	-	-	0.0	87	90	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square	110	oc	c	*	56	46	39	-	-	*	*	93	*
Kensington	80	0	0	*	56	45	36	-	-	0.0	At 18h. 85	90	*
Hampstead Observatory	450	od	0	bcw	54	43	35	Tr.	Tr.	0.0	*	91	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.	Kew Observatory Max.	Time.	Min.	Time.
1.0	12-13h 18th	0.3	3-4h 19th	0.6	23h 18th	0.2	4h 19th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 18th October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 19th October 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	1027.8	E'N	2	b	46	1027.4	ENE	2	bcf-	37	54	37	-	-
Brussels	1028.7	-	0	bc	48	1028.6	-	0	F	37	55	36	-	-
Berlin	1027.5	NNE	3	b	48	1029.3	-	0	bc	36	54	32	-	-
Zurich						1026.3	E	1	om.	39		36		-
Rome	1018.6	NNW	3	b	55	1021.3	NE	3	b	39	64	37	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

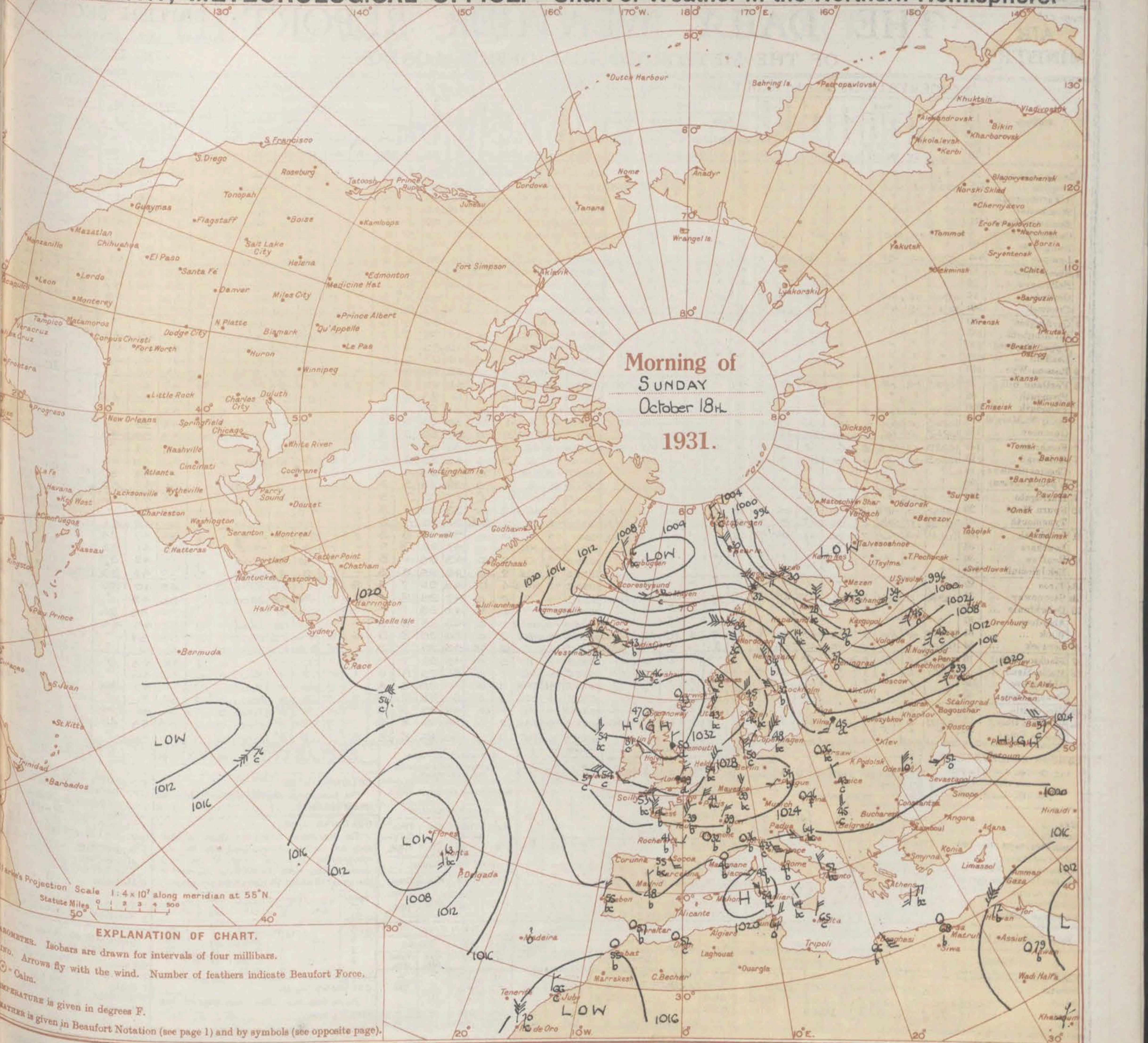
TERMS OF SUBSCRIPTION. { Single Copies, 1d. each; by post 1½d. 2/6 per month; 6/6 per quarter; 25/- per year.

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

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

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

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.

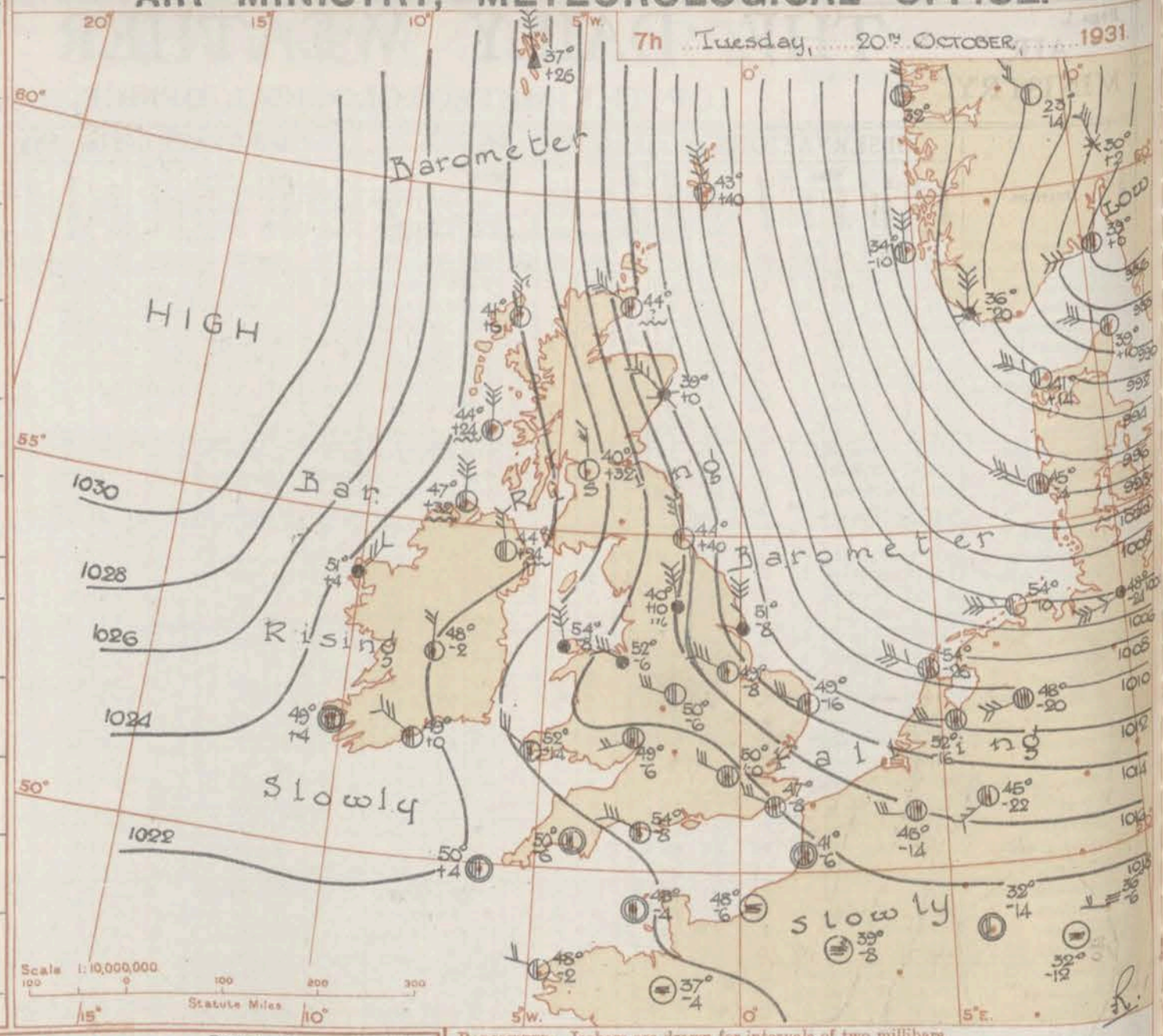
WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

REPORTS from HEALTH RESORTS for 19th October 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	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.	mb	bc	38	57	Trace	–	4·8
	Bournemouth	o	oco	49	57	Trace	–	0·3
	Ventnor ...	ogo	cbc	50	55	0·3	–	0·0
	Southsea ...	o	ocbc	51	57	–	–	0·0
	Bognor Regis	o	cbcbc	50	58	–	–	0·2
	Littlehampton	cbc	bccbc	49	58	–	–	0·5
	Worthing ...	bcc	coc	50	59	–	–	2·7
	Brighton ...	bc	bc	48	60	–	–	5·6
	Eastbourne†	cbc	bcb	45	59	0·1	–	4·2
	Hastings† ...	bcb	bbc	45	59	0·6	–	6·8
	Folkestone ...	wbcb	bbc	48	59	–	–	0·8
	Dover... ...	bc	bcc	49	59	–	–	8·9
	Deal	b	bbc	45	60	–	–	7·7
	Ramsgate ...	b	bbc	51	59	–	–	7·2
	Margate ...	bcc	cbc	48	55	–	–	3·1
2	Southend ...	bm	bbcc	45	61	Trace	–	7·0
	Maldon ...	mb	bco	40	61	–	–	5·3
	Clacton-on-Sea	bc3bc	bc	44	59	–	–	8·5
	Dovercourt ...	bc	bc	42	59	–	–	7·3
	Lowestoft ...	bbc	bcc	38	57	–	–	6·9
	Skegness ...	bcm$_o$	bm$_o$c	39	56	–	–	8·0
	Mablethorpe	wbcb	bbcm$_o$	37	57	–	–	8·0
	Cleethorpes ...	wcfb	bmc	38	56	Trace	–	7·1
3	Leamington S.	bcmc	o	44	56	–	–	2·5
4	Cheltenham†	ofom$_o$	om$_o$	47	53	–	–	0·0
5	Bath	c	c	50	56	–	–	0·0
	Weymouth ...	o	oc	51	57	–	–	0·0
	Jersey ...	cbc	bc	43	59	–	–	5·6
	Torquay ...	cbc	bc3o	53	59	–	–	1·3
	Penzance ...	c	c	50	58	–	–	0·5
	St. Ives ...	c	c	49	57	–	–	0·6
	Bude	o	c	51	57	–	–	0·0
	Ilfracombe ...	o	o	51	58	–	–	0·0
6	Aberystwyth	cm	cm	49	55	–	–	0·0
7	Llandudno ...	o	c	50	55	–	–	0·0
	Colwyn Bay...	o	oc	50	55	–	–	0·0
	Rhyl	om$_o$	om$_o$	49	54	–	–	0·0
8	Wallasey ...	meo	o	49	53	–	–	0·0
	Southport‖ ...	o3	o3o	48	53	–	–	0·0
	Blackpool ...	od	o	48	53	–	0·4	0·0
	Morecambe ...	codo	c	48	53	Trace	–	0·0
9	Ilkley... ...	o	od$_o$c	37	51	Trace	Trace	0·0
10	Berwick-on-T.	oc	o	40	54	–	–	2·4
11	Dunbar ...	bcm$_o$	bcm$_o$	42	56	–	–	0·2
12	Douglas ...	om$_o$id	c	50	52	Trace	Trace	0·0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



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

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

Districts.	Forecast
1. S.E. England 2. E. England ▲ 3. E. Midlands	Wind northwest or north, moderate or fresh; cloudy at first; occasional rain or showers; fairer intervals later; becoming colder today.
4. W. Midlands 5. S.W. England	Wind northerly, moderate or fresh, stronger locally at first; showers; fairer intervals; colder; perhaps local ground frost at night.
6. South Wales 7. North Wales	Wind northerly, light or moderate, fresh locally; cloudy perhaps showers later; becoming colder.
8. N.W. England 9. N. Midlands 10. N.E. England ▲	As 2 - 4.
11. S.E. Scotland ▲ 12. S.W. Scotland & Isle of Man 13. A. W. Scotld. ▲ B. N.W. Scotland. ▲ 14. Mid-Scotland	Wind northerly, fresh, stronger locally at first, moderating later; showers, perhaps of sleet or snow; rather cold, local ground frost at night.
15. N.E. Scotland ▲ 16. Orkneys and Shetlands. ▲	Wind northerly, strong or gale, moderating; showers of rain, hail, sleet or snow; cold; perhaps local ground frost at night.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 2 - 4.

GENERAL INFERENCE.

A complex and deep depression over Scandinavia is moving east-southeast. An intense anticyclone centred northwest of Iceland extends towards the Bay of Biscay. Cold northerly winds, showers and some bright intervals will be experienced in most districts. Sleet or snow is probable locally in Scotland.

FURTHER OUTLOOK.

Cool; showers in northern and eastern districts; probably considerable fair periods generally.

Time of Issue of Gale Warnings.

▲ North cone at 1905 on 19th in districts 13A, 13B, 15 and 16.

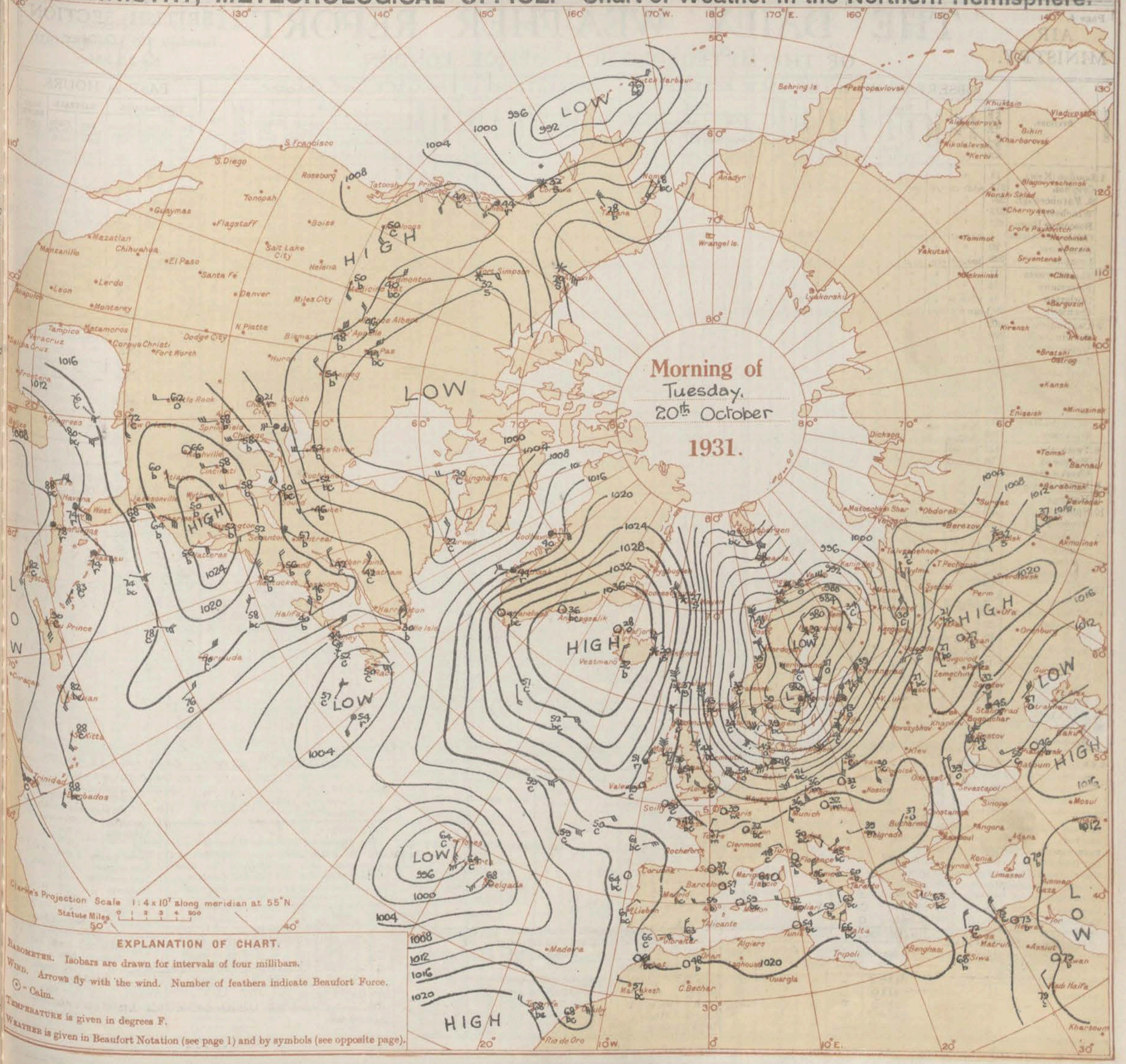
▲ North cone at 0800 on 20th in districts 2, 10 and 11.

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. Gp.908. 31000 10/31.

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



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 20th October 1931.

No. 25,534.

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

District.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1021·0	-18	W	2	c	50	75	6	5	–	–	10	10	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1022·0	-16	WNW	2	c	51	85	7	5	–	–	9-	9+	4000
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1020·7	-16	NW	3	b	43	85	5	–	–	–	0	0	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1018·0	-24	W	2	c	49	85	6	–	2	–	0	10	–
	Cranwell ...	240	1017·8	-24	WSW	4	c	49	85	6	5	–	–	10	10	2500
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1021·5	-12	E'S	1	c	56	85	6	4	–	–	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1022·9	-8	N	2	bc	50	95	6	5	–	–	4·6	4·6	4000
	Scilly (St. Mary's)	163	1023·1	-6	N	1	bc	51	95	7	4	–	–	4·6	4·6	4000
	Guernsey ...	175	1021·9	-16	–	0	bc	50	85	7	5	–	–	4·6	4·6	2500
6	Pembroke ...	142	1017·5	-6	NW	1	c	53	95	7	4	6	–	10	10	800
7	Holyhead ...	26	1020·3	-18	WNW	5	c	53	86	6	5	–	–	10	10	800
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1015·8	-16	NNW	5	bc	51	85	6	5	1	–	4·6	4·6	2500
	Tynemouth ...	67	1014·2	-6	W	4	bc	51	85	7	2	–	–	2·3	2·3	2500
11	Inchkeith ...	190	1013·6	-10	WSW	5	bc	51	85	8	5	8	–	2·3	4·6	4000
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1019·3	-32	N	6	c	42	75	7	4	–	–	7·8	7·8	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1012·7	+22	NW	5	pc	40	75	8	8	2	–	4·6	7·8	2500
16	Lerwick ...	54	1005·8	-12	NNW	7	rain	36	65	7	9	–	–	4·6	4·6	1500
17	Blacksod Point	18	1023·2	-6	WSW	3	c	52	85	7	–	2	–	0	10	–
18	Malin Head ...	52	1019·3	-10	NW	4	bcjp	53	95	8	8	–	–	2·3	2·3	2500
	Aldergrove ...	288	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1024·2	-6	SE	1	c	51	95	7	5	–	–	9+	9+	800
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)...	1018·1	-4	W'N	3	c	51	75	6	5	2	–	7-8	9+	2500	0	*
Croydon ...	1018·5	0	WNW	3	c	50	85	6	5	–	–	10	10	1500	0	*
S. Farnborough	1018·4	-4	WNW	2	c	50	85	6	5	–	–	9+	9+	2500	0	*
Winchester ...	1019·0	-10	WNW	3	c	50	85	8	5	–	–	10	10	1500	0	*
Boscombe Down	1019·3	-4	WNW	3	c	50	85	7	5	–	–	9+	9+	1500	0	*
Calshot, (S'thmtn)	1019·7	-8	NW'W	2	c	51	85	6	5	8	–	7-8	9	2500	0	1
Dungeness ...	*	*	W	2	c	*	*	7	5	–	*	9+	9+	1500	*	2
Lympne ...	1017·5	-8	WNW	3	o	47	85	5	5	–	–	10	10	2500	0	*
Shoeburyness	1017·1	-6	NW'W	4	c	51	85	6	5	–	–	10	10	2500	0	*
Felixstowe ...	1016·2	-10	WSW	4	c	52	75	7	5	–	–	9+	9+	4000	0	2
Gorleston ...	1013·3	-16	WNW	3	c	49	85	6	4	–	–	7-8	7-8	4000	0	2
Cranwell ...	1015·2	-8	WNW	4	c	49	85	6	5	–	–	9+	9+	2500	0	*
Cardington ...	1017·1	-2	W	3	c	50	75	7	5	–	–	9+	9+	2500	*	*
Birmingham ...	1017·9	-6	WNW	3	c	50	75	7	5	–	–	9	9	2500	0	*
Upper Heyford	1018·1	-8	W'S	3	c	48	75	7	5	–	–	9+	9+	800	0	*
Leafield ...	1018·2	-6	W'N	4	c	48	75	8	5	–	–	9+	9+	2500	0	*
Ross-on-Wye ...	1019·1	-6	WSW	2	c	49	75	7	5	–	–	10	10	4000	1	*
Portland Bill...	1019·3	-8	NW'W	4	c	54	75	6	4	4	8	4·6	7·8	2500	0	3
Plymouth ...	1020·7	-6	–	0	c	50	95	6	4	–	–	9+	9+	4000	1	0
Falmouth ...	1021·2	-2	N'W	2	bc	50	95	6	5	–	–	4·6	4·6	4000	0	0
Scilly (St. Mary's)	1021·9	+4	–	0	c	50	95	7	2	1	–	4·6	7·8	4000	0	0
Guernsey ...	1020·6	-4	–	0	c	48	95	7	7	1	1	4·6	7·8	2500	0	2
Pembroke ...	1019·8	-14	NW	3	c	53	95	7	4	6	–	4·6	7·8	1500	0	2
Holyhead ...	1018·4	-8	NNW	6	bc	54	86	6	6	–	–	10	10	800	0	3
Chester (Sealand)	1017·5	-6	W'N	4	ir	52	85	6	6	–	–	9+	9+	1500	1	*
L'pool (Bidston)	1016·8	-4	WNW	6	rain	51	85	7	6	–	–	10	10	1500	0	*
Harrogate ...	1017·6	+10	N'W	6	br	40	85	7	6	8	–	7·8	9+	2500	1	*
Spurn Head ...	1013·1	-8	N	7	r	51	85	6	6	2	–	7·8	10	2500	1	3
Tynemouth ...	1016·0	+40	NNW	4	bc	44	65	7	9	–	–	4·6	4·6	1500	1	3
Inchkeith ...	1017·6	+16	NW	5	pc	41	85	8	5	–	–	2·3	2·3	2500	0	3
Leuchars ...	1017·1	+14	WNW	4	b	38	65	9	5	–	–	Tr.	Tr.	4000	0	*
Renfrew ...	1020·5	+32	NNW	3	b	40	55	8	5	–	–	Tr.	Tr.	4000	1	*
Eskdalemuir ...	1019·1	+30	N'E	4	b	36	65	8	8	4	–	Tr.	1	2500	1	*
Tiree	1022·6	+24	N	6	c	44	65	8	5	7	–	7·8	9	2500	0	4
Stornoway ...	1021·5	+6	N	4	c	41	85	8	6	2	–	7·8	9+	2500	1	2
Dalwhinnie ...	1019·7	+6	NE	5	bc	36	75	6	3	3	–	2·3	2·3	800	0	*
Aberdeen ...	1018·9	0	NW	5	rs	39	95	8	9	–	–	9	9	1500	1	2
Wick	1014·0	+14	NW	7	ure	44	65	7	6	2	–	9	10	1500	1	4
Lerwick ...	1006·9	+40	N'W	8	bc	43	65	7	8	–	–	4·6	4·6	1500	1	*
Blacksod Point	1023·3	+4	NE	4	ir	51	95	7	6	–	–	10	10	4150	1	3
Malin Head ...	1022·8	+32	N	6	c	47	85	8	5	–	–	9	9	2500	0	4
Aldergrove ...	1022·7	+24	NNW	4	c	44	75	7	5	–	–	7·8	7·8	1500	1	*
Donaghadee ...	1020·1	+16	NW	5	q	48	75	8	6	–	–	7·8	7·8	800	0	4
Birr Castle ...	1021·9	-2	N	2	cir	48	95	7	5	–	–	9+	9+	1500	1	*
Valentia Obsy.†	1023·6	+4	–	0	c	49	95	8	5	–	–	10	10	1500	0	2
Roches Point...	1023·2	0	NW	4	c	49	95	8	5	–	–	9	9	2500	0	2

PAST 24 HOURS.

Stations.	Temperature. Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Night 18h-7h mm. (35)	Sunshine 19th Hrs. (36)
London (Kew)...	56	49	43	–	–	1·1
Croydon ...	59	47	41	–	–	3·4
S. Farnborough	55	45	34	–	–	0·0
Winchester ...	56	48	46	–	–	0·0
Boscombe Down	55	48	47	–	–	*
Calshot, (S'thmtn)	58	50	47	–	–	0·0
Dungeness ...	60	42	*	–	–	*
Lympne ...	57	42	36	–	–	7·7
Shoeburyness	59	49	48	–	–	7·5
Felixstowe ...	58	49	43	–	–	8·3
Gorleston ...	58	45	41	–	–	7·3
Cranwell ...	57	48	46	–	–	5·3
Cardington ...	*	*	*	*	*	*
Birmingham ...	52	48	46	–	–	0·0
Upper Heyford	54	48	46	0·1	–	*
Leafield ...	52	47	45	–	–	0·0
Ross-on-Wye ...	53	49	49	–	–	0·0
Portland Bill...	57	52	*	Tr.	–	*
Plymouth ...	59	50	45	–	–	1·7
Falmouth ...	56	49	*	–	–	0·3
Scilly (St. Mary's)	57	48	*	–	–	0·8
Guernsey ...	56	46	38	–	–	5·8
Pembroke ...	56	49 50	*	–	–	0·0
Holyhead ...	55	53	50	–	Tr.	0·0
Chester (Sealand)	53	50	48	–	Tr.	0·0
L'pool (Bidston)	52	50	49	–	Tr.	0·0
Harrogate ...	50	40	39	Tr.	Tr.	0·0
Spurn Head ...	55	49	*	–	Tr.	5·3
Tynemouth ...	54	43	40	–	3	*
Inchkeith ...	53	38	32	–	0·5	0·0
Leuchars ...	55	37	31	–	–	2·7
Renfrew ...	53	40	34	Tr.	0·2	0·0
Eskdalemuir ...	50	35	30	–	1	0·1
Tiree	54	42	38	0·1	0·1	0·1
Stornoway ...	54 49	38	*	0·1	2	0·0
Dalwhinnie ...	(50)	34	17	–	–	0·0
Aberdeen ...	57	38	34	–	2	0·7
Wick	52	38	*	–	5	*
Lerwick ...	51	32	*	2	2	0·0
Blacksod Point	53	50	*	Tr.	0·3	*
Malin Head ...	53	46	*	–	0·2	0·0
Aldergrove ...	51	43	37	Tr.	0·1	0·0
Donaghadee ...	52	47	*	–	–	*
Birr Castle ...	53	45	34	–	Tr.	0·0
Valentia Obsy.†	54	43	36	Tr.	Tr.	0·0
Roches Point...	56	47	*	–	–	*

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather Morning. (24 hrs. ended 9h.)	Weather Afternoon.	Weather Night.	Temperature Day Max. °F.	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	cfwbc3o	c3obecm	cm3o	56	49	43	–	–	1·1	*	*	6
Croydon	217	bcmmu	bcmufe	bcc7m	59	47	41	–	–	3·4	*	*	6
Greenwich (Royal Observatory) ...	149	bcogf	cm	c0o	59	50	35	–	–	3·6	73	73	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	56	51	44	–	–	0·2	68	71	*
Regents Pk. (Botanic Gardens) ...	168	*	*	*	*	*	*	*	*	0·0	*	*	*
Camden Square	110	cfc	c	*	55	48	44	–	–	*	At 18h.	75	*
Kensington	80	bcfbc	c	*	57	50	42	–	–	0·2	72	73	*
Hampstead Observatory... ...	450	bcc	0	0	55	46	43	–	–	2·5	*	79	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

Max.	Time.	Min.	Time.
4.0	10h 19th	NIL	5-6h 20th

Kew Observatory.

Max.	Time.	Min.	Time.
0.8	10h 19th	0.1	2h 20th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 19th Oct. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 20th Oct. 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	1023·7	–	0	bc	48	1019·4	–	0	Cm	39	59	36	–	–
Brussels	1023·9	–	0	b	45	1015·9	W	3	0	45	57	39	–	–
Berlin	1021·5	S	3	b	41	1008·5	SW'W	5	bc	41	46	37	–	–
Zurich	1024·7	E	1	b	43	1020·4	SW	1	F	37	52	34	–	–
Rome	1027·8	NNW	2	b	59	1022·2	NNE	3	b	36	70	36	–	–

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

WEDNESDAY, 21st OCTOBER 1931.

No. 25535

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	1018.4	+10	N'E	4	id₀	46	85	5	6	-	-	10	10	1500
	Croydon	1015.9	-6	N'E	4	ir₀	53	85	5	5	-	-	10	10	1500
	S. Farnborough	1017.5	-6	NNW	4	id₀	54	65	7	6	-	-	10	10	1500
	Winchester	1017.9	-10	NNW	4	c	56	65	8	5	4	-	7-8	10	4000
	Boscombe Down	1018.6	-6	N'W	4	c	53	75	7	5	-	-	10	10	1500
	Calshot, S'thmtn	1018.7	-8	WNW	4	c	57	55	7	5	-	-	9	9	2500
	Dungeness	*	*	W	3	c	*	*	7	8	3	*	7-8	9	1500
	Lympne	1015.9	-6	NNW	3	c	53	65	6	5	-	-	10	10	2500
2	Shoeburyness	1017.4	+10	N	4	ir₀	47	95	6	6	2	-	7-8	9+	2500
	Felixstowe	1016.7	+14	NNW	4	ir₀	46	75	7	6	2	-	9	10	1500
	Gorleston	1015.7	+14	N'W	4	c	48	85	6	8	-	-	9+	9+	2500
	Cranwell	1019.0	+12	NNW	4	bc	46	65	6	7	-	-	4-6	4-6	2500
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1020.3	+16	NNW	3	c	44	75	6	6	3	-	2-3	7-8	800
	Upper Heyford	1019.5	+22	N'E	3	c/r	44	85	7	6	2	-	7-8	10	1500
	Leafield	1019.6	+8	N'E	4	ir₀	42	95	8	6	2	-	7-8	10	800
4	Ross-on-Wye	1020.2	+6	NE'E	4	ir₀	46	85	5	6	-	-	10	10	2500
5	Portland Bill	1019.2	-4	W'N	3	bc	55	75	8	4	4	-	2-3	4-6	2500
	Plymouth	1020.8	-2	-	0	c	54	85	7	5	-	-	10	10	1500
	Falmouth	1021.4	0	NNW	3	bc	55	85	6	8	-	-	4-6	4-6	4000
	Scilly (St. Mary's)	1022.2	0	N'E	2	c	54	85	7	8	-	-	9	9	4000
	Guernsey	1020.4	-2	NW	4	c	56	85	7	8	-	-	10	10	1500
6	Pembroke	1025.0	0	N	4	id₀	51	95	8	4	6	7	7-8	7-8	1500
7	Holyhead	1022.3	+18	NNE	6	bc	49	65	8	1	-	2	2-3	4-6	4000
	Chester (Sealand)	1021.9	+26	NNW	3	bc	50	55	6	1	-	-	2-3	2-3	2500
8	L'pool (Bidston)	1021.4	+16	N	4	b	47	55	8	7	-	-	1	1	4000
9	Harrogate	1020.0	+10	NW	4	b	46	55	8	1	-	-	1	1	2500
10	Spurn Head	1016.5	+6	NNW	7	q	48	75	7	4	3	-	4-6	7-8	2500
	Tynemouth	1018.6	+12	NNW	4	bc	47	65	7	9	-	-	4-6	4-6	1500
11	Inchkeith	1021.1	+20	NNW	5	bc	46	65	8	8	8	-	2-3	4-6	4000
	Leuchars	1020.7	+18	NW	5	bc	47	55	8	1	-	-	2-3	2-3	2500
12	Renfrew	1023.5	+10	NW'N	4	c	48	55	8	8	-	-	7-8	7-8	4000
	Eskdalemuir	1021.6	+20	N'E	5	bc	46	45	8	1	-	-	2-3	2-3	2500
13A	Tiree	1025.9	+16	N	6	c	46	75	8	2	7	-	4-6	7-8	2500
13B	Stornoway	1026.3	+14	N	6	c	43	65	8	8	-	-	9+	9+	2500
15	Dalwhinnie	1023.3	+6	SE	3	bc	42	65	8	3	-	-	4-6	4-6	1500
	Aberdeen	1018.6	+20	NW	5	bc	44	55	8	8	-	-	4-6	4-6	2500
	Wick	1019.1	+30	NW	8	ph(r)	43	65	8	9	1	-	7-8	9+	1500
16	Lerwick	1013.1	+36	N'W	8	bc	45	65	7	5	-	-	4-6	4-6	1500
17	Blacksod Point	1027.8	+32	NNE	8	c	49	65	8	3	-	-	7-8	7-8	800
18	Malin Head	1026.6	+10	NNE	6	bc/p	48	85	8	3	8	-	2-3	4-6	2500
	Aldergrove	1025.1	+10	NNW	4	pr	48	65	8	8	-	1	7-8	7-8	2500
	Donaghadee	1024.0	+6	NE	5	q	50	55	8	9	3	-	2-3	4-6	4000
19	Birr Castle	1024.9	+18	NE	3	c	49	65	8	5	7	-	2-3	7-8	2500
20	Valentia Obsy.	1024.3	+4	N'E	3	c	55	85	8	5	-	-	9+	9+	1500
	Roches Point	1023.6	+4	W'S	3	c	54	85	8	5	-	-	9	9	2500

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

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)	Sun. 0-9 (30)
1	London (Kew)	1022.1	+20	NNW	2	m	44	75	4	-	-	1	0	1	-	1	*
	Croydon	1021.6	+22	N	2	b	45	65	4	-	-	1	0	1	-	0	*
	S. Farnborough	1022.4	+24	N'E	2	b	43	75	6	7	-	8	1	1	2500	0	*
	Winchester	1022.3	+22	N'E	3	b	42	85	7	-	-	1	0	Tr	-	0	*
	Boscombe Down	1022.4	+26	N	3	b	40	85	7	-	-	-	0	0	-	0	*
	Calshot, S'thmtn	1021.6	+26	N'E	3	b	46	75	6	8	-	1	1	1	4000	0	1
	Dungeness	*	*	NW	1	bc	*	*	7	5	-	*	4-6	4-6	2500	*	1
	Lympne	1019.8	+24	N'W	3	bc	42	75	6	-	-	8	0	2-3	-	0	*
2	Shoeburyness	1020.8	+22	NNW	3	b	42	85	8	-	-	-	0	0	-	0	*
	Felixstowe	1020.1	+18	WNW	3	c	46	75	8	5	-	-	7-8	7-8	4000	0	2
	Gorleston	1018.3	+16	NNW	4	pr	47	65	6	9	-	-	7-8	7-8	1500	0	3
	Cranwell	1022.2	+14	NW'N	4	b	40	75	6	5	-	-	Tr	Tr	4000	0	*
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1023.4	+16	N	2	b	44	65	6	5	-	-	1	1	2500	0	*
	Upper Heyford	1023.1	+24	N	3	b	41	75	6	-	-	-	0	0	-	0	*
	Leafield	1023.0	+14	N'E	3	b	39	75	6	-	-	-	0	0	-	0	*
4	Ross-on-Wye	1023.0	+16	N	3	b	45	65	5	5	-	-	1	1	2500	1	*
5	Portland Bill	1021.2	+18	NE'E	4	c	49	75	7	4	-	-	10	10	2500	0	3
	Plymouth	1021.6	+10	NNE	5	c	52	85	7	8	-	-	9+	9+	1500	0	1
	Falmouth	1021.8	+4	N'E	4	c	51	95	7	5	-	-	10	10	4000	0	2
	Scilly (St. Mary's)	1022.3	0	NE'N	5	c/p	53	85	7	9	-	-	9+	9+	2500	0	3
	Guernsey	1020.3	+12	NNW	2	bc	53	85	7	7	-	-	4-6	4-6	2500	0	2
6	Pembroke	1023.9	+10	N	4	c	47	95	7	4	9	1	7-8	7-8	1500	0	3
7	Holyhead	1024.4	+12	NNE	5	bc	49	65	8	4	-	-	4-6	4-6	2500	0	3
	Chester (Sealand)	1024.6	+14	NW'W	2	bc	40	75	6	5	-	-	2-3	2-3	4000	0	*
8	L'pool (Bidston)	1024.0	+16	N	3	bc	46	55	8	8	-	-	4-6	4-6	2500	0	*
9	Harrogate	1023.4	+20	W	3	b	42	65	8	2	-	-	1	1	2500	0	*
10	Spurn Head	1019.1	+12	NW'N	6	q	46	85	7	4	2	-	4-6	7-8	1500	1	5
	Tynemouth	1022.0	+16	NW	3	c	43	65	7	9	-	-	7-8	7-8	1500	0	3
11	Inchkeith	1024.2	+10	NW	3	bc	43	65	8	5	3	-	2-3	4-6	2500	0	3
	Leuchars	1023.9	+22	NW	3	bc	39	65	8	4	6	1	Tr	2-3	4000	0	*
12	Renfrew	1026.3	+18	NNW	3	c	41	65	7	2	-	6	2-3	7-8	4000	1	*
	Eskdalemuir	1024.9	+18	N'W	2	b	37	65	8	-	-	1	0	1	-	1	*
13A	Tiree	1028.1	+10	N	5	c/p	45	55	8	8	-	8	7-8	7-8	1500	0	4
13B	Stornoway	1028.5	+14	N	3	o	41	75	8	5	-	-	10	10	2500	1	2
15	Dalwhinnie	1027.1	+6	NE	5	c	36	65	5	6	-	-	7-8	7-8	800	0	*
	Aberdeen	1021.9	+14	NW	4	bc	41	75	8	3	-	-	2-3	2-3	2500	1	2
	Wick	1022.6	+20	NNW	8	c	44	65	8	9	1	8	4-6	7-8	1500	0	4
16	Lerwick	1019.6	+42	NNW	6	c	40	85	7	9	-	-	10	10	1500	1	*
17	Blacksod Point	1028.2	+4	NE'E	6	c	48	95	8	8	-	-	7-8	7-8	450	0	4
18	Malin Head	1027.0	+8	NNE	6	c/pr	46	85	8	8	-	-	7-8	7-8	2500	0	4
	Aldergrove	1026.9	+14	NNW	2	b	40	75	8	5	-	-	1	1	4000	1	*
	Donaghadee	1026.9	+8	NE	6	q	47	65	7	9	3	-	2-3	4-6	2500	0	4
19	Birr Castle	1026.4	+6	NE	1	bc	44	75	8	4	-	-	2-3	2-3	2500	0	*
20	Valentia Obsy.	1025.0	+2	ENE	4	c	48	75	8	5	-	-	9+	9+	2500	0	2
	Roches Point	1024.9	+10	NE	3	c	47	75	9	5	-	-	7-8	7-8	2500	0	2

PAST 24 HOURS.

Stations	Weather 7h.–13h. 20th (37)	Weather 13h.–18h. 20th (38)	Weather 18h. 20th to 1h. 21st (39)	Weather 1h.–7h. 21st (40)
London (Kew)	c od₀m₀	c₃o bm	b₃₀x	b₃₀x bm₀x
Croydon	cm₀q r₀	cr₀bm	bm₀w	bm₀3
S. Farnborough	ebec id₀	r₀c h m₀	bx m₀	bx m₀
Winchester	c	cid₀bc	b	b
Boscombe Down	em₀b	cir₀cb	b	bm₀x
Calshot, S'thmtn	ycm₀bc	cbc	bw	bwm₀x
Dungeness	bc	pr	•	bc
Lympne	cm₀	cr₀bm₀	bm₀	bm₀
Shoeburyness	bccr₀m₀	cr₀m₀bcb	b	bm₀
Felixstowe	cpr₀cr₀	er₀cyw	b	bbc
Gorleston	cr₀cq	cphr	copr q	ocpr
Cranwell	prirc	bcc₃o	b₃₀b	bm₀
Cardington	*	*	*	bbcxm₀
Birmingham	cpr₀	bcb	b	bx
Upper Heyford	ebcoqr	cbcb	bwm₀	bxm₀
Leafield	cr₀q	bcb	bx	bbcx
Ross-on-Wye	cbccd₀	r₀cob₃	b₃bmw	bmx
Portland Bill	cbc	bccPRc	b, b₃₀	bbc
Plymouth	cr₀bcm₀	c	cb	bw
Falmouth	bc₃o	bc₃oc	ebc₃₀q	bc₃₀q
Scilly (St. Mary's)	cbcc	c	cp₀c	c
Guernsey	cobc	oc	bcc	bc
Pembroke	idcd	idbc	bc	bc
Holyhead	pr₀cbc	bc	bc	bc
Chester (Sealand)	prcq bc₃₀	bbc₃₀y	bm₀	bm₀x
L'pool (Bidston)	pdbcyb	bbybcy	b	bx
Harrogate	cqp₀b	b	b	b
Spurn Head	cprq	qprh	bcpr₀q	bcprc
Tynemouth	bcq	bcq	cbc	bc
Inchkeith	bc	bc	bcc	bcb
Leuchars	bcvqy	bcqyb	bx	bvx
Renfrew	bybcy	bcbyc	cb	bbcx
Eskdalemuir	bbcy	byvb	bbc	bcbx
Tiree	cprbc	bccy	c	cbc
Stornoway	cir₀	c	cir₀	cpr
Dalwhinnie	bc	is		c
Aberdeen	bcprsh	bcypr	cpr	cpr
Wick	cphrq	cprq	cprq	cprq
Lerwick	bcpr	bccphr	cphr	cphr
Blacksod Point	prc	prcq	prc	prc
Malin Head	cbcjp	bccpr₀	cbcc	c
Aldergrove	cb	cb	bx	bx
Donaghadee	cbcq	bcq	bcq	bcq
Birr Castle	corc	cbc	bcb	bbcx
Valentia Obsy.	cbcc	c	cbc	bcc
Roches Point	c	cv.	cvbcb	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).
f', 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.

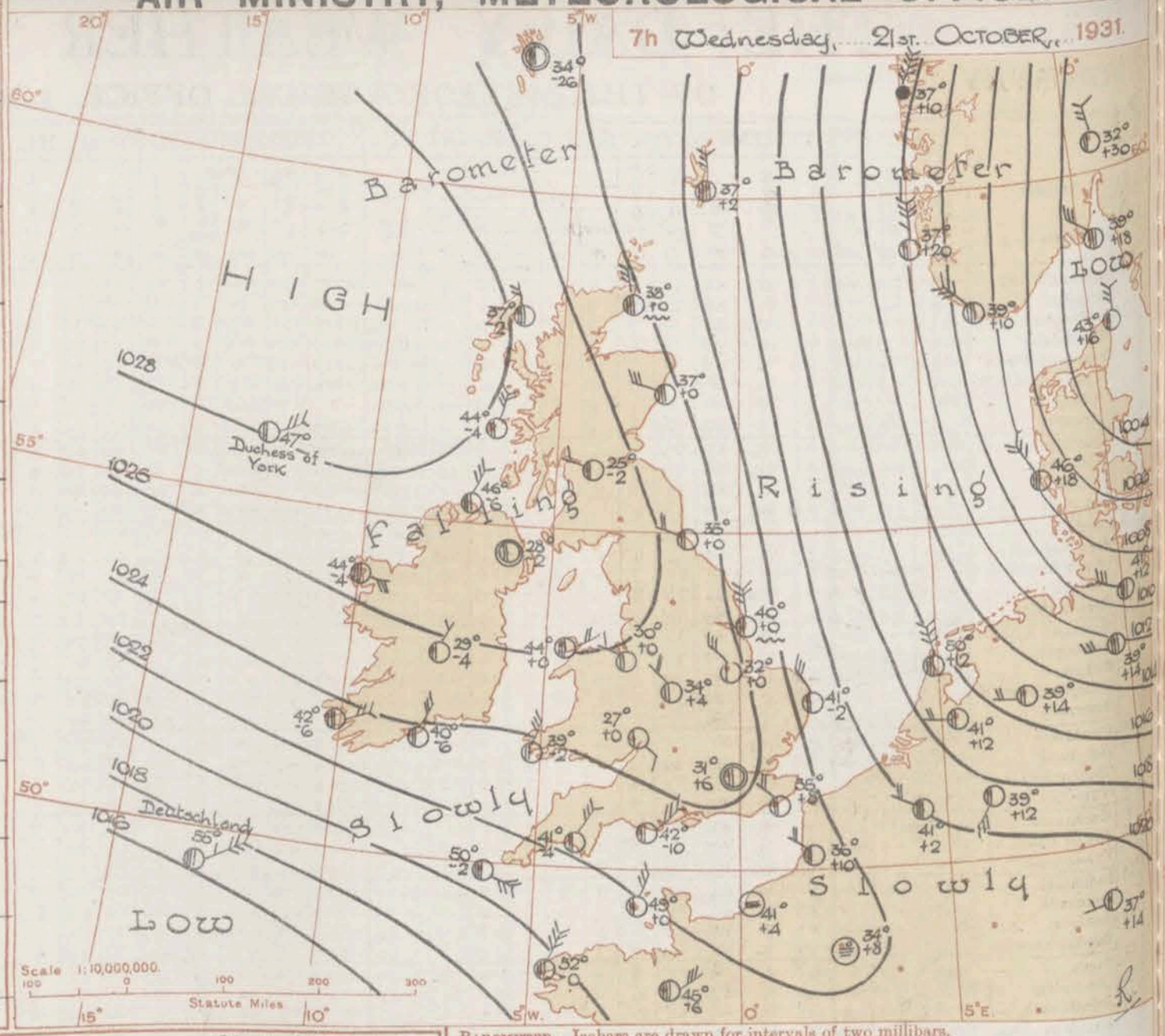
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for Tuesday 20th October 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 19th to 9h. 20th.	Temperature. Max. 9h.—17h. 20th.	Rainfall. Night. 17h. 19th to 9h. 20th.	Rainfall. Day. 9h.—17h. 20th.	Sunshine. Sunrise to Sunset. 20th.
1	Tunbridge W.	oc	odoe	38	54	–	Trace	0.9
	Bournemouth	o	ccd	46	58	–	Trace	1.6
	Ventnor ...	oc	coc	49	52	–	Trace	1.8
	Southsea ...	oc	bbcb	51	57	–	–	1.5
	Bognor Regis	cbc	bcb	45	57	–	–	1.7
	Littlehampton	c	cbc	42	58	–	–	1.5
	Worthing ...	oc	bcco	44	57	–	–	1.3
	Brighton ...	obco	oco	42	57	–	–	1.1
	Eastbourne†	coc	corpcb	42	57	–	0.2	1.2
	Hastings† ...	c	copbc	44	56	–	0.4	1.1
	Folkestone ...	omoe	orobc	44	56	–	0.6	1.0
	Dover... ...	mcbc	bcorb	46	54	–	1	0.8
	Deal	oco	oroc	46	56	–	Trace	0.9
	Ramsgate ...	bcc	codbc	47	55	–	0.2	1.1
	Margate ...	bc	cbc	48	54	–	–	1.6
2	Southend ...	co	orcb	49	56	–	Trace	2.5
	Maldon ...	cbccd	cbcb	49	55	–	Trace	2.6
	Clacton-on-Sea	bccpc	cbc	49	54	–	Trace	3.1
	Dovercourt ...	bcc	ocdbc	49	53	–	Trace	1.7
	Lowestoft ...	cpibc	bcic	43	48	Trace	1	1.9
	Skegness ...	omoc	bc	45	49	1	–	3.5
	Mablethorpe	cbc	bcp	46	49	1	Trace	2.5
	Cleethorpes ...	c	cobc	45	50	0.4	0.4	4.5
3	Leamington S.	oprc	co	43	48	–	0.2	3.0
4	Cheltenham†	cocfo	cbobn	48	52	–	Trace	1.0
5	Bath	cbc	cbc	51	56	–	–	1.2
	Weymouth ...	cbc	cbcdc	50	60	–	Trace	2.7
	Jersey ...	bcc	c	45	60	–	–	3.1
	Torquay ...	om	cbcprg	47	58	Trace	Trace	1.9
	Penzance ...	oc	c	47	57	–	–	1.1
	St. Ives ...	o	c	49	56	–	–	0.6
	Bude	bccpc	ccbc	50	57	–	Trace	0.3
	Ilfracombe ...	cbc	cbc	53	57	–	–	0.9
6	Aberystwyth	cmc	probc	51	54	–	0.3	3.4
7	Llandudno ...	c	bc	49	52	1	–	3.7
	Colwyn Bay ...	rcbc	bccbc	50	52	Trace	–	2.9
	Rhyl	cbcb	bbc	50	55	0.2	–	3.5
8	Wallasey ...	mbcb	bbc	47	50	0.3	–	5.8
	Southport‖ ...	bcb	bcb	46	50	Trace	–	7.0
	Blackpool ...	bc	bbc	44	50	0.3	–	7.7
	Morecambe ...	rcbbc	bc	44	53	0.3	–	7.5
9	Ilkley	cb	b	40	59	–	–	4.5
10	Berwick-on-T.	bcc	c	40	47	1	–	6.6
11	Dunbar ...	bcr	bc	41	48	1	–	4.5
12	Douglas ...	cbbc	bc	45	49	5	–	7.2

† 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 7/10 to 9/10 clouded. ● Overcast sky.
● Rain falling. ✱ Snow. ▲ Hail. ≡ Fog. ≡ Mist. T Thunder. ⚡ Thunderstorm.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 21st Oct. 1931.
1. S.E. England	Wind between northwest and northeast, light or moderate; fair; rather cold; ground frost at night.
2. E. England...	Wind northerly, moderate or fresh at first, becoming variable; fair, apart from local showers; rather cold; ground frost at night.
3. E. Midlands	
4. W. Midlands	Wind variable to northeast or east, moderate; fair; rather cold; ground frost at night.
5. S.W. England	
6. South Wales	Wind easterly, fresh, strong locally on coast; fair at first. perhaps some rain later; rather cold, temperature rising later.
7. North Wales	
8. N.W. England	As 4.
9. N. Midlands	
10. N.E. England	As 2,3.
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	Wind variable or northeasterly, moderate; mainly fair, apart from showers; rather cold.
13. A. W. Scotld. B. N.W. Scotland.	Wind north or northwest, backing, fresh or moderate; showers and some bright intervals at first; perhaps further rain later; becoming less cold.
14. Mid-Scotland	
15. N.E. Scotland	
16. Orkneys and Shetlands.	
17. N.W. Ireland	Wind variable or northeasterly, moderate; mainly fair, apart from showers; rather cold.
18. N.E. Ireland	
19. S.E. Ireland	As 5 - 6.
20. S.W. Ireland	

GENERAL INFERENCE.

A large and deep depression centred over Finland will move east or northeast. An anticyclone south of Iceland, with an extension towards France, is weakening. A large low-pressure system near the Azores shows increased activity and tends to spread north and east. Weather will be mainly fair today apart from local showers, but is likely to become unsettled and less cold again later in the North and perhaps also in the Southwest.

FURTHER OUTLOOK.

Probably rather unsettled and less cold.

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. Pa.305/2921. Wt. 15. D.6001 Gp.808 31000 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).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 21st October 1931.

No. 25535

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1023.7	+6	NWN	2	b	35	75	6	–	–	–	0	0	–
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1024.0	+6	NW	2	b	41	75	7	–	–	–	0	0	–
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1022.4	+10	NNW	4	b	37	75	6	–	–	–	0	0	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1019.4	+6	NW'W	3	pr	42	95	6	6	–	–	10	10	1500
	Cranwell ...	240	1024.0	+10	NW'W	4	b	36	75	7	5	–	–	1	1	4000
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1023.5	+4	NE'N	4	b	44	65	6	–	–	–	0	0	–
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*		*	*	*
	Falmouth ...	200	1022.9	-6	E'N	6	q	49	75	6	8	–	–	10	10	4000
	Scilly (St. Mary's)	163	1024.0	0	E'S	3	c	51	85	7	8	–	–	9+	9+	4000
	Guernsey ...	175	1022.3	0	NE	5	bc	49	75	7	8	–	–	4.6	4.6	2500
6	Pembroke ...	142	1025.1	-2	N	3	bc	44	85	8	5	1	–	2.3	4.6	450
7	Holyhead ...	26	1025.9	+10	NE	4	bc	47	75	8	5	–	–	4.6	4.6	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1021.6	+6	NW'N	6	bc/pr	42	85	7	6	2	–	1	2.3	4000
	Tynemouth ...	67	1024.1	+6	NW	2	bc	40	85	7	5	–	–	4.6	4.6	1500
11	Inchkeith ...	190	1025.7	+4	NW	3	bc	41	75	8	5	–	–	2.3	2.3	4000
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1028.6	0	NNW	2	c	38	95	7	4	–	–	7.8	7.8	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1024.4	+4	NNW	6	pr	38	85	8	9	1	–	4.6	7.8	1500
16	Lerwick ...	54	1021.0	+4	N	5	ph(r)	39	85	7	9	–	–	7.8	7.8	1500
17	Blacksod Point	18	1027.7	+2	NE'E	4	bc	45	75	7	3	–	–	4.6	4.6	800
18	Malin Head ...	52	1028.7	+4	N	5	c	46	65	8	4	–	–	7.8	7.8	4000
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1025.9	+8	E'N	3	b	43	85	8	–	–	–	0	0	–
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 21st Oct. — 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 20th Hrs. (36)
London (Kew)	1024.7	+8	WNW	1	bc	33	95	5	–	1	9	0	4.6	–	1	*	55	33	24	–	–	1.2
Croydon	1024.1	+6	–	0	bc	31	85	6	–	3	2	0	4.6	–	1	*	55	31	25	Tr	–	0.4
S. Farnborough	1024.6	+4	W'S	1	b	27	85	6	–	4	–	0	1	–	0	*	57	27	16	0.1	Tr.	1.0
Winchester	1024.7	0	–	0	bc	28	95	8	5	–	–	2.3	2.3	4000	0	*	56	27	20	–	–	1.4
Boscombe Down	1025.1	+2	NW	1	b	28	95	6	–	4	–	0	1	–	0	*	54	27	17	Tr	–	*
Calshot (S'thmtn)	1024.2	0	WNW	1	b	31	85	5	–	5	–	0	1	–	0	1	57	31	26	–	–	1.2
Dungeness	*	*	NW	2	c	*	*	6	5	5	*	4.6	7.8	4000	*	0	57	30	*	Tr	–	*
Lympne	1022.6	+8	NW	2	bc	35	95	6	–	3	9	0	4.6	–	0	*	54	35	31	0.5	–	1.1
Shoeburyness	1023.3	+6	NW	2	bc	36	95	6	–	7	–	0	2.3	–	0	*	55	34	31	0.2	–	2.3
Felixstowe	1022.5	+4	NW'W	3	bc	38	95	7	–	7	–	0	2.3	–	0	1	53	37	33	Tr	–	2.0
Gorleston	1021.1	-2	NNW	3	bc	41	95	6	9	–	–	4.6	4.6	2500	1	2	51	39	37	2	8	0.7
Cranwell	1024.1	0	NW'N	3	b	32	95	6	–	3	–	0	Tr.	–	0	*	50	32	29	0.6	–	4.3
Cardington	1024.3	+6	W	2	bc	32	95	6	–	5	9	0	4.6	–	*	*	*	*	*	*	*	*
Birmingham	1024.4	+4	NNW	2	bc	34	85	5	–	5	–	0	2.3	–	0	*	51	33	23	0.3	–	3.0
Upper Heyford	1025.0	+6	N'W	3	bc	33	85	5	–	9	9	0	2.3	–	0	*	54	31	27	Tr	Tr.	*
Leafield	1024.9	0	NW	3	bc	30	85	6	–	4	9	0	2.3	–	0	*	52	29	20	0.1	–	2.3
Ross-on-Wye	1025.6	0	SE	1	bfg	27	95	6	–	1	1	0	Tr.	–	4	*	55	27	20	0.1	–	2.1
Portland Bill	1023.6	-10	NE'E	4	bc	44	85	7	5	4	8	2.3	4.6	2500	0	3	57	38	*	Tr	–	*
Plymouth	1023.5	-4	NE	4	bc	41	75	8	–	–	1	0	2.3	–	1	1	56	39	33	Tr	–	1.1
Falmouth	1022.4	-2	NE'E	6	q	46	75	6	8	–	–	4.6	4.6	4000	0	3	57	45	*	–	–	1.7
Scilly (St. Mary's)	1020.2	-2	E'S	5	c	50	75	7	5	2	–	7.8	9	4000	0	3	57	50	*	–	Tr.	2.6
Guernsey	1022.5	0	NNE	3	bc	49	65	7	7	4	–	4.6	4.6	2500	0	3	59	48	42	–	–	1.5
Pembroke	1023.1 (corrected 1024.1)	-2	N'E	3	bc	39	95	7	4	1	–	2.3	4.6	800	0	2	56 (corrected 54)	38 (corrected 39)	*	–	–	1.0 (corrected 1.9)
Holyhead	1025.4	0	ENE	2	c	44	85	9	2	3	1	4.6	7.8	1500	0	1	54	43	37	Tr	–	4.7
Chester (Sealand)	1025.9	0	W'N	1	bc	30	95	6	–	2	–	0	4.6	–	0	*	52	28	21	0.1	–	4.6
L'pool (Bidston)	1025.2	0	NNE	2	b	37	75	8	–	–	8	0	1	–	0	*	52	37	33	0.1	–	6.2
Harrogate	1025.4	0	W	1	b	35	75	8	–	4	–	0	Tr.	–	0	*	47	35	28	Tr	–	6.6
Spurn Head	1022.1	0	NNW	5	bc	40	85	7	5	1	–	2.3	4.6	2500	0	4	51	40	*	0.5	Tr.	4.2
Tynemouth	1024.4	0	WNW	2	bc	35	85	6	2	–	–	4.6	4.6	2500	0	3	49	35	30	–	–	*
Inchkeith	1026.3	0	WNW	3	b	38	85	8	–	4	–	0	1	–	0	1	49	37	32	–	–	8.3
Leuchars	1025.5	0	NW	2	b	34	75	9	1	4	–	Tr.	Tr.	2500	4	*	49	32	25	–	–	8.4
Renfrew	1027.4	-2	WNW	1	bc	25	95	5	5	–	–	4.6	4.6	4000	4	*	51	24	15	–	–	7.1
Eskdalemuir	1026.7	-6	–	0	b	30	75	8	–	–	–	0	0	–	4		47	29	24	–	–	9.2
Tiree	1027.4	-4	N'E	5	bc	44	65	8	8	7	–	4.6	4.6	2500	0	3	47	43	37	0.2	–	2.4
Stornoway	1028.2	-2	NNW	2	cjp	37	95	8	8	6	–	4.6	7.8	1500	1	1	44	36	*	0.1	0.3	0.0
Dalwhinnie	1027.1	+6	SE	2	c	35	75	8	5	–	–	7.8	7.8	800	0	*	43	35 (corrected 32)	19	–	–	3.5
Aberdeen	1024.2	0	WNW	3	c	37	85	8	8	–	–	9	9	2500	1	1	46	35	31	1	2	3.9
Wick	1024.4	0	NNW	3 (corrected 6)	c/pr	38	95	8	9	1	–	4.6	9	1500	1	4	44	36	*	1	+ (corrected 0.6)	*
Lerwick	1021.3	+2	N	4	c	37	75	7	5	–	–	10	10	1500	1	*	45	37	*	1	1	4.6
Blacksod Point	1026.4	-4	E	3	c	44	75	8	3	–	–	7.8	7.8	450	1	3	53	44	*	2	0.4	*
Malin Head	1027.4	-6	NNE	4	cjp	46	65	8	8	3	–	7.8	7.8	2500	0	3	49	44	*	0.2	–	3.8
Aldergrove	1027.7	-2	–	0	bc	28	95	8	5	3	1	1	2.3	2500	1	*	50	26	18	Tr	–	8.3
Donaghadee	1026.4	0	ENE	4	q	45	65	8	9	–	–	4.6	4.6	2500	0	3	61	44	*	–	–	*
Birr Castle	1026.0	-4	NE	1	bc	29	95	8	–	4	–	0	2.3	–	0	*	51	28	18	0.1	–	4.1
Valentia Obsy.†	1023.9	-6	E'N	4	c	42	75	8	1	5	–	Tr.	7.8	2500	0	2	57	40	36	Tr	–	1.1
Roches Point	1024.0	-6	NE	3	bc	40	85	8	5	–	–	4.6	4.6	2500	0	2	55	38	*	–	–	*

LONDON OBSERVATIONS.

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

Station	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	cod0m0	cz0bm	bzbcx	55	33	24	–	–	1.2	*	*	5
Croydon	217	cmqf0	cf0bm	bmw3	55	31	25	Tr.	–	0.4	*	*	4
Greenwich (Royal Observatory)	149	c	eir0b	bxcm	55	34	23	Tr.	Tr.	0.1	66	81	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.4	*	*	*
Westminster (St. James' Park)	27	*	*	*	55	35	32	–	–	0.9	63	75	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	1.7	*	*	*
Camden Square	110	c	cpcbcb	*	55	35	29	Tr.	–	*	*	83	*
Kensington	80	cop.	bc	*	55	33	25	Tr.	–	0.8	At 18h. 68	77	*
Hampstead Observatory	450	op	bc	bcx	54	30	23	Tr.	Tr.	2.3	*	83	*

24 hrs. ended 9h.

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

	Max.	Time.	Min.	Time.
South Kensington	1.0	18-20h 20th	NIL	2-5h 21st
Kew Observatory	0.4	20h 20th	0.1	4h 21st

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 20th Oct. Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 21st Oct. Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1018.2	W	3	bc	50	1028.0	–	0	b	34	59	32	–	0.3
Brussels	1016.3	NW	2	b	43	1020.0	WNW	2	c	41	54	37	1	0.2
Berlin	1002.3	WSW	5	c	45	1006.3	W'N	5	c	39	50	34	0.4	1
Zurich	1015.2	NW	1	c	50	1021.0	N	1	c	37	57	36	–	1
Rome	1019.1	SW	2	b	57	1012.2	SSE	3	c	59	*	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.

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 22nd October 1931.

No. 25526

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

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)...	1022.9	-14	N'E	3	c	47	65	6	1	-	2	Tr	7-8	4000
	Croydon ...	1022.7	-14	-	0	c	46	75	4	-	-	2	0	7-8	-
	S. Farnborough	1022.7	-18	N'E	1	bc	50	65	7	1	-	8	2-3	4-6	4000
	Winchester ...	1022.6	-18	NNE	3	bc	48	65	7	-	-	6	0	4-6	-
	Boscombe Down	1023.1	-12	NE	3	bc	47	65	7	1	-	2	1	4-6	4000
	Calshot, S'thmtn	1022.7	-14	NE	3	bc	52	55	7	1	-	1	1	4-6	2500
	Dungeness ...	*	*	NW	2	bc	*	*	7	1	7	*	2-3	4-6	2800
	Lympne ...	1022.0	-6	NNE	3	c	47	75	7	7	-	1	2-3	7-8	2500
2	Shoeburyness	1021.4	-18	NNW	3	bc	50	75	8	1	-	8	2-3	4-6	2500
	Felixstowe ...	1022.4	-4	NNW	3	pr	47	75	8	7	-	-	7-8	7-8	1500
	Gorleston ...	1021.3	0	N	4	bc	47	85	7	9	-	-	4-6	4-6	2500
	Cranwell ...	1023.8	-8	NNW	3	bc	46	65	6	1	-	-	2-3	2-3	2500
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1024.1	-8	NNE	2	b	45	65	5	1	-	-	1	1	1500
	Upper Heyford	1023.7	-12	NNE	3	b	47	65	6	1	-	1	1	1	4000
	Leafield ...	1023.4	-6	NE'N	3	bc	45	65	6	1	-	2	Tr	2-3	4000
4	Ross-on-Wye ...	1023.7	-8	E'N	3	bc	47	65	5	1	-	1	1	4-6	4000
5	Portland Bill...	1021.7	-16	NE	3	bc	49	65	7	5	4	8	2-3	4-6	2500
	Plymouth ...	1021.5	-18	ESE	4	bc	49	75	7	1	-	7	1	4-6	4000
	Falmouth ...	1020.7	-6	ENE	6	q	50	75	7	8	-	8	4-6	4-6	4000
	Scilly (St. Mary's)	1019.6	-8	E	5	c	51	75	7	8	-	-	7-8	7-8	4000
	Guernsey ...	1021.0	-14	NE	3	bc	51	65	7	8	6	-	4-6	4-6	2500
6	Pembroke ...	1022.9	-12	NE	3	bc	49	95	8	3	2	-	2-3	4-6	1500
7	Holyhead ...	1024.5	-6	ENE	3	c	47	65	8	4	-	2	7-8	7-8	2500
	Chester (Sealand)	1025.1	-10	NNW	1	bc	47	65	6	4	-	-	2-3	2-3	4000
8	L'pool (Bidston)	1024.7	-8	NW	23	b	44	55	7	3	-	-	Tr	Tr	4000
9	Harrogate ...	1024.3	0	NNW	2	bc	43	65	7	2	-	-	2-3	2-3	4000
10	Spurn Head ...	1022.1	0	NW	5	c	46	65	7	4	3	-	2-3	7-8	4000
	Tynemouth ...	1023.5	-12	NNW	4	bc	45	65	8	2	-	-	4-6	4-6	2500
11	Inchkeith ...	1025.6	0	N	3	bc	44	65	8	7	-	-	2-3	2-3	4000
	Leuchars ...	1024.5	-10	NW	3	bc	45	55	9	4	-	8	4-6	4-6	4000
12	Renfrew ...	1025.9	-12	NE	1	bc	48	55	8	1	-	-	2-3	2-3	2500
	Eskdalemuir ...	1025.2	-4	NNE	2	bc	41	55	8	1	-	-	2-3	2-3	4000
13A	Tiree	1026.9	-10	NNE	3	c	45	75	9	7	-	-	7-8	7-8	4000
13B	Stornoway ...	1025.7	-8	NW	3	c	47	75	9	8	6	-	4-6	7-8	2500
15	Dalwhinnie ...	1025.4	-6	NE	3	bc	40	55	8	-	4	-	0	2-3	-
	Aberdeen ...	1023.8	-4	NW	3	bc|ps	39	85	8	8	7	9	2-3	4-6	2500
	Wick	1023.3	-6	NNW	5	bc	44	75	8	8	8	2	4-6	4-6	1500
16	Lerwick ...	1020.5	+2	N	3	c	39	75	7	5	-	-	7-8	7-8	1500
17	Blacksod Point	1025.4	-12	E	4	bc	48	55	8	2	-	-	4-6	4-6	1500
18	Malin Head ...	1026.5	-10	NNE	3	c|jp	46	75	9	8	6	-	7-8	7-8	2500
	Aldergrove ...	1026.6	-10	NNW	2	c	44	75	8	7	-	-	9+	9+	2500
	Donaghadee ...	1026.0	-4	ESE	2	c	45	55	8	5	2	-	7-8	9.	2500
19	Birr Castle ...	1024.4	-18	ENE	2	b	50	65	8	1	-	-	1	1	2500
20	Valentia Obsy.	1021.5	-16	ENE	4	c	50	75	8	5	-	2	1	7-8	2500
	Roches Point...	1022.4	-8	ESE	4	c	50	65	8	5	-	-	7-8	7-8	2500

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

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1022.5	+2	NNE	2	b	44	75	6	-	-	-	0	0	-	0	*
	Croydon ...	1022.4	+4	NNE	3	bf	40	85	3	-	-	1	0	Tr	-	1	*
	S. Farnborough	1022.2	+2	NE	2	fg	40	85	6	-	-	2	0	Tr	-	0	*
	Winchester ...	1022.5	0	NE'N	1	b	39	85	7	-	-	1	0	1	-	0	*
	Boscombe Down	1022.5	+2	ENE	2	bc	40	85	6	-	-	1	0	2-3	-	0	*
	Calshot, S'thmtn	1022.2	+4	NNE	2	bc	49	65	6	-	-	6	0	4-6	-	0	1
	Dungeness ...	*	*	~~WSW~~ N	2	bc	*	*	7	8	7	*	2-3	4-6	2500	*	0
	Lympne ...	1021.4	+2	N'E	3	bc	43	75	6	5	-	-	4-6	4-6	2500	0	*
2	Shoeburyness	1022.3	+6	NNE	2	bc	39	95	8	4	6	-	1	2-3	2500	0	*
	Felixstowe ...	1022.4	+6	NW	2	bc	40	85	8	5	-	-	2-3	2-3	4000	0	1
	Gorleston ...	1021.1	+2	N	3	bc	45	75	7	9	-	-	2-3	2-3	2500	0	3
	Cranwell ...	1023.2	0	NNW	1	b	35	85	5	5	-	-	Tr	Tr	4000	0	*
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1023.1	0	NE	2	bc	43	65	4	-	3	-	0	2-3	-	0	*
	Upper Heyford	1022.9	+2	NNE	2	bc	40	75	6	-	-	1	0	2-3	-	0	*
	Leafield ...	1022.9	-6	NE	2	b	39	75	7	-	-	1	0	Tr	-	0	*
4	Ross-on-Wye ...	1022.9	-6	NE	1	bf	39	85	3	-	-	-	0	0	-	0	*
5	Portland Bill...	1020.5	0	NE'E	4	c	48	65	8	4	4	9	4-6	7-8	2500	0	3
	Plymouth ...	1020.6	-2	NE'E	1	c	46	85	6	4	-	6	2-3	7-8	2500	1	0
	Falmouth ...	1019.3	+2	ENE	6	q	48	65	8	8	-	8	4-6	4-6	4000	0	4
	Scilly (St. Mary's)	1018.4	-4	E'S	5	c	48	75	7	8	4	8	4-6	9	4000	0	4
	Guernsey ...	1019.7	0	ENE	3	bc	50	65	9	8	-	-	4-6	4-6	2500	0	3
6	Pembroke ...	1021.7	-6	ENE	2	bc	49	95	7	5	1	-	2-3	4-6	800	0	2
7	Holyhead ...	1022.8	-8	NE	3	bc	46	65	8	4	-	-	2-3	2-3	2500	0	2
	Chester (Sealand)	1023.7	-2	NNW	1	b	38	75	6	-	-	-	0	0	-	0	*
8	L'pool (Bidston)	1023.9	-2	N'E	2	bc	42	55	5	3	-	8	1	2-3	4000	0	*
9	Harrogate ...	1023.9	0	-	0	bc	37	75	7	7	-	-	2-3	2-3	4000	0	*
10	Spurn Head ...	1021.8	0	N'W	5	pr	42	95	7	8	3	-	7-8	9	4000	1	5
	Tynemouth ...	1022.9	-4	NW	3	bc	41	75	6	9	-	-	4-6	4-6	1500	0	3
11	Inchkeith ...	1024.0	-8	WNW	2	bc	43	75	8	5	4	-	4-6	4-6	2500	0	1
	Leuchars ...	1022.9	-6	NW	1	b	37	75	8	4	-	1	1	1	4000	0	*
12	Renfrew ...	1024.4	-2	W	1	bc	37	75	8	5	-	-	4-6	4-6	4000	1	*
	Eskdalemuir ...	1024.8	0	NNW	1	b	32	75	8	-	4	-	0	1	-	0	*
13A	Tiree	1026.6	-6	NNW	1	bc	39	85	9	7	6	-	2-3	2-3	2500	0	2
13B	Stornoway ...	1022.8	-4	WNW	2	bc	41	85	9	6	6	-	4-6	4-6	1500	0	1
15	Dalwhinnie ...	1025.6	-6	NE	2	c	33	75	6	4	-	-	7-8	7-8	450	0	*
	Aberdeen ...	1022.3	-6	WNW	2	bc	40	85	7	8	3	9	2-3	4-6	2500	1	1
	Wick	1021.0	-16	W	3	pr	41	95	8	9	2	8	7-8	9	1500	1	4
16	Lerwick ...	1017.8	-18	-	0	c	40	65	7	5	-	-	9+	9+	1500	0	*
17	Blacksod Point	1022.6	-4	E	4	bc	45	65	8	-	4	-	0	2-3	-	0	3
18	Malin Head ...	1024.6	-6	NE	3	bc	45	75	9	1	-	-	2-3	2-3	2500	0	1
	Aldergrove ...	1024.9	-2	-	0	c	42	75	7	5	-	-	9+	9+	2500	1	*
	Donaghadee ...	1024.1	-6	E	1	c	45	55	8	5	2	-	4-6	7-8	1500	0	0
19	Birr Castle ...	1023.1	-6	ENE	1	b	41	75	8	1	-	-	1	1	2500	0	*
20	Valentia Obsy.	1020.2	-6	E	3	bc	47	75	8	1	-	1	2-3	2-3	2500	0	2
	Roches Point...	1020.7	-6	SE	3	bc	46	65	8	5	-	-	4-6	4-6	2500	0	2

PAST 24 HOURS.

District	Stations.	Weather 7h.–13h. 21st (37)	Weather 13h.–18h. 21st (38)	Weather 18h. 21st to 1h. 22nd (39)	Weather 1h.–7h. 22nd (40)
1	London (Kew)...	bcxcbc$_3$	b$_3$o	bm$_o$	OF$_5$x
	Croydon ...	bcm$_b$cm ⊕	bc$_3$$_oyb_f$	bmwx	bm$_f$$_5$xm
	S. Farnborough	bxbcm$_o$	ybcb	bwlbmx	bmx35F
	Winchester ...	bbc	bcb	b	bbcm
	Boscombe Down	bm$_o$xc	bcm$_o$	bcm$_o$x	bcm$_o$x
	Calshot, S'thmtn	bcm$_o$	bc	bcwm$_o$	bcwm$_o$
	Dungeness ...	bc	bc	*	bc
	Lympne ...	cm$_o$bc	cbcm	b	bx
2	Shoeburyness	bc	bcb	bm$_o$	bxm$_o$
	Felixstowe ...	bc	bc	bcb	bm$_o$x
	Gorleston ...	bcpr$_o$q	bcp$_5$q	bcpr$_o$	bcw
	Cranwell ...	bm$_o$3$_o$	b3$_o$m$_o$	bm$_o$x	bx$_5$x
3	Cardington ...	*	*	bbx	bbcx$_5$
	Birmingham ...	bc	bm	bm	bmx
	Upper Heyford	bmbc	bc3$_o$b	bm$_o$x	bbcx
	Leafield ...	bc	bcb	bx	bbcx
4	Ross-on-Wye ...	bmbbc3	bcb3m	b$_5$x	bFFx
5	Portland Bill...	bc	bcc	c$_1$c3$_o$	crr3$_o$
	Plymouth ...	bbc	bccbcm$_w$	bcmbw	bwcr
	Falmouth ...	bcq	bcq	bccq	cq
	Scilly (St. Mary's)	c	c	c	cbcc
	Guernsey ...	bccoc	bcc	bccc	oc
6	Pembroke ...	bc	bc	bc	bc
7	Holyhead ...	bc	cbc	bbcb	bm$_o$x
	Chester (Sealand)	b3$_o$	b3$_o$	bm$_o$x	bm$_f$x
8	L'pool (Bidston)	xbby	bbyvb	m$_o$b bm	mbxbc
9	Harrogate ...	bbc	bcb	b	b
10	Spurn Head ...	cbcc	cqpr	cpr	bc
	Tynemouth ...	bc	bc	bc	bc$_5$$_5$
11	Inchkeith ...	bbc	bc	bcm$_o$	bcm$_o$
	Leuchars ...	bxbcyv	bcyvbx	bx	bxcx
12	Renfrew ...	bcx3$_o$y	bcy	bcbx	bbcx
	Eskdalemuir ...	bxbcy	byb	bxbcx	bcxbx
13A	Tiree	bcc	bc	bcx	bcc
13B	Stornoway ...	c	c	c	cpr$_o$
15	Dalwhinnie ...	b	c	*	c
	Aberdeen ...	cprs	pr$_o$bc	cb	b, c
	Wick	cprbc	cpr$_o$	cpr$_o$c	c
16	Lerwick ...	c	c	cpr$_o$	or$_o$r$_o$
17	Blacksod Point	bcc	bc	bc	bc
18	Malin Head ...	cp$_o$v	cbcv	bcc	c
	Aldergrove ...	bxc	cbcc	c	cbc
	Donaghadee ...	bcc	c	c	c
19	Birr Castle ...	bcb	b	bx	bx
20	Valentia Obsy.	c	cbc	bc	bcc
	Roches Point...	c	cbc	bcb	bbcc

1026.2

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.

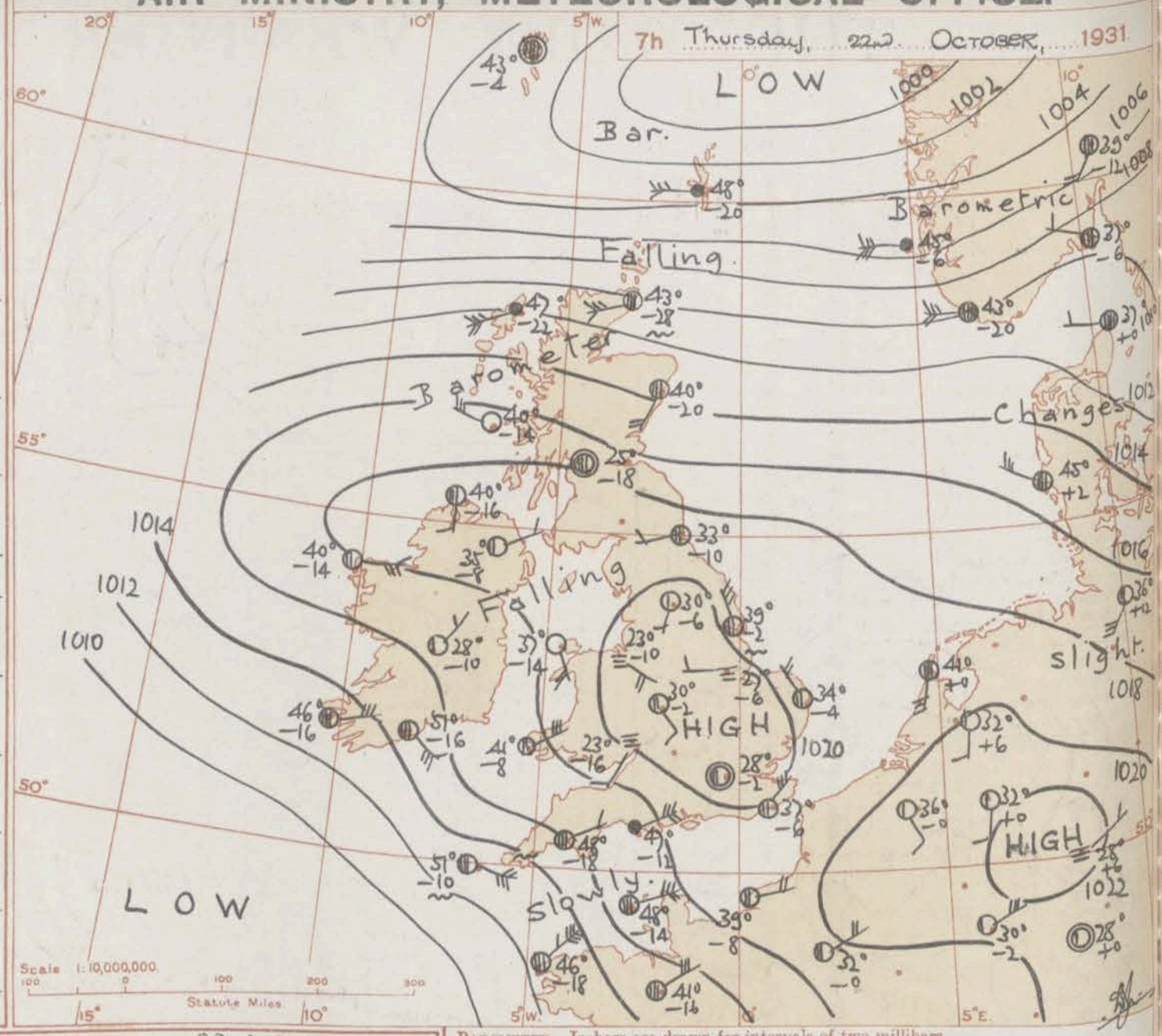
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for Wednesday, 21st October, 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.	b	bc	30	49	–	–	8.3
	Bournemouth	b	bm	30	51	–	–	8.8
	Ventnor ...	bez	zbcz	46	52	–	–	6.9
	Southsea ...	b	b	33	52	–	–	8.0
	Bognor Regis	b	b	36	51	–	–	8.1
	Littlehampton	bc	bc	33	51	–	–	7.9
	Worthing ...	b	b	35	51	–	–	7.6
	Brighton ...	bc	bbc	36	52	–	–	7.3
	Eastbourne†	cbcb	bbcb	36	52	–	–	7.8
	Hastings† ...	bcb	bbc	35	51	–	–	6.8
	Folkestone ...	cbc	bc	38	51	–	–	5.1
	Dover... ...	mbc	bcb	39	51	–	–	5.1
	Deal	bcb	b	38	52	–	–	5.6
	Ramsgate ...	bcb	bbc	42	52	–	–	6.2
	Margate ...	bc	bc	44	50	Trace	–	5.9
2	Southend ...	bczb	bbcb	36	53	–	–	6.9
	Maldon ...	cb	bbcc	35	51	–	–	7.0
	Clacton-on-Sea	bc	bc	36	51	–	–	8.5
	Dovercourt ...	bcv	bcv	37	53	–	–	7.4
	Lowestoft ...	bc	bc	38	49	5	–	7.3
	Skegness ...	bcm	bcc	36	49	–	–	7.8
	Mablethorpe	bc	bccp	35	49	–	Trace	5.9
	Cleethorpes ...	b	bcrc	36	50	0.4	Trace	6.5
3	Leamington S.	mbcc	com	30	48	–	–	5.0
4	Cheltenham†	bxcs	bcbm	28	48	–	–	7.0
5	Bath	b	b	28	49	–	–	7.8
	Weymouth ...	b	by	34	51	–	–	7.9
	Jersey ...	bcc	bcc	45	54	–	–	4.2
	Torquay ...	bmw	bcc	36	50	–	–	4.6
	Penzance ...	cbc	cbc	43	53	–	–	3.2
	St. Ives ...	c	b	45	51	–	–	3.2
	Bude	wbc	bc	35	49	–	–	8.0
	Ilfracombe ...	bcb	bbc	39	49	–	–	7.7
6	Aberystwyth	bcxbc	bcbbc	31	50	–	–	9.4
7	Llandudno ...	bcb	b	33	48	–	–	8.1
	Colwyn Bay...	bcb	b	34	47	–	–	8.1
	Rhyl	xb	b	29	48	–	–	8.2
8	Wallasey ...	b	b	35	48	–	–	9.1
	Southport‖ ...	bc	bc	31	46	–	–	9.3
	Blackpool ...	bbc	bc	31	46	–	–	9.3
	Morecambe ...	xcbbc	bc	31	47	–	–	8.0
9	Ilkley... ...	xb	bc	31	46	–	–	6.6
10	Berwick-on-T.	c	c	37	45	–	–	3.7
11	Dunbar ...	bc	bc	33	46	–	–	6.1
12	Douglas ...	xbc	cbbc	36	47	–	–	7.8

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with the wind. Number of feathers indicate Beaufort force. Calm. = ⊙
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :—
○ Clear sky. ◐ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◒ Sky 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. 22nd Oct. 1931.

Districts.	Forecasts
1. S.E. England 2. E. England... 3. E. Midlands	Light variable wind; fair; but some mist or fog; rather cold; night frost.
4. W. Midlands	Light or moderate, variable or easterly wind; mainly fair; local mist or fog; rather cold.
5. S.W. England 6. South Wales	Moderate or fresh east or southeast wind, strong locally on coast; mainly cloudy; perhaps a little rain; temperature rather low, perhaps rising later.
7. North Wales 8. N.W. England	Moderate easterly wind; fair; perhaps mist or fog at night; rather cold.
9. N. Midlands 10. N.E. England	Light or moderate variable or westerly wind; mainly fair; some mist or fog; rather cold; perhaps night frost.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Moderate westerly wind, veering later; cloudy; some showers; rather cold.
13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands	Moderate or fresh westerly to northerly wind; cloudy; showers, perhaps with sleet later; becoming colder again; local night frost.
17. N.W. Ireland 18. N.E. Ireland	Light or moderate variable wind, becoming northerly and freshening later; mainly fair, but possibly showers later; rather cold.
19. S.E. Ireland 20. S.W. Ireland	Moderate or fresh easterly wind; mainly cloudy; perhaps a little rain later; rather low temperature.

GENERAL INFERENCE.

A ridge of high pressure over the British Isles is weakening. A depression north of Shetland will move east or east-south-east. There is a large low-pressure area, centred north of the Azores. Pressure is rising over Iceland. Temperature is likely to remain rather low generally, except in the Southwest. Weather will be unsettled in Scotland, perhaps also in the Southwest, but mainly fair elsewhere, with some mist or fog in England.

FURTHER OUTLOOK.

None issued.

Forecasts issued at 1025 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2. Pe 306/2321. Wt. 75. 0.6001. Gp 808

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, 22nd October 1931.

No. 25536

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1022.2	-4	ENE	1	b	32	95	5	–	–	–	0	0	–
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1021.9	-6	NE'N	2	bc	39	85	6	–	–	6	0	4-6	–
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1021.4	0	NNE	3	b	38	95	7	–	–	–	0	0	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1021.4	-4	NW'W	2	bc	38	95	7	8	–	–	2-3	2-3	2500
	Cranwell ...	240	1022.6	-6	W	2	b	29	95	5	–	–	–	0	0	–
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1019.2	-4	NE'E	5	c	46	85	6	5	2	–	4-6	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1017.5	-4	ESE	6	q	52	55 ~~88~~	7	8	–	–	7-8	7-8	4000
	Scilly (St. Mary's)	163	1016.2	-10	SE'E	5	c	50	68	7	8	2	–	4-6	9	4000
	Guernsey ...	175	1018.8	-4	E	5	c	49	75	7	8	–	–	10	10	2500
6	Pembroke ...	142	1017.0	-6	ENE	4	bc	40	93	7	4	1	–	2-3	4-6	800
7	Holyhead ...	26	1021.0	-12	SE'S	1	b	36	85	6	4	–	–	Tr	Tr	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1021.4	0	NNW	4	bc	41	88	7	1	3	–	2-3	4-6	4000
	Tynemouth ...	67	1021.7	-4	NW	3	bc	36	78	6	2	–	–	4-6	4-6	2500
11	Inchkeith ...	190	1022.0	-6	WSW	2	bc	38	75	5	5	–	–	2-3	2-3	800
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1017.6	-18	WSW	4	c	45	85	8	5	2	–	9	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1014.6	-24	WSW	3	c	42	88	8	8	1	–	7-8	9	1500
16	Lerwick ...	54	1008.5	-24	WSW	3	r.r.	47	75	6	9	–	–	10	10	1500
17	Blacksod Point	18	1021.1	-6	E	4	bc	41	78	8	–	4	–	0	2-3	–
18	Malin Head ...	52	1021.6	-14	S	2	c	41	88	8	7	6	–	7-8	9+	2500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1016.9	-12	E	4	c	46	88	7	8	4	1	4-6	7-8	800
	Roches Point ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew) ...	1020.3	-6	–	0	F	29	95	1	5	–	–	10	10	4150	0	*
Croydon ...	1020.6	-2	–	0	bc/f	28	95	4	4	–	9	2-3	4-6	4000	1	*
S. Farnborough	1020.4	-10	–	0	bf	23	95	1	–	8	1	0	1	–	0	*
Winchester ...	1019.6	-16	NE'N	1	bc	31	95	4	–	–	1	0	4-6	–	0	*
Boscombe Down	1019.7	-8	E	3	c	35	95	6	–	–	2	0	7-8	–	0	*
Calshot, (S'thmtn)	1019.5	-18	NE	4	bc	40	85	6	5	5	4	1	4-6	2500	0	2
Dungeness ...	*	*	NE	1	c	*	*	7	9	4	*	4-6	7-8	1500	*	0
Lympne ...	1019.7	-6	NE'N	3	bc	37	95	7	5	–	1	2-3	2-3	2500	1	*
Shoeburyness	1020.4	-10	NW'N	2	bc	31	96	5	1	–	4	Tr.	2-3	4000	0	*
Felixstowe ...	1020.3	-8	NW	2	bc	32	95	6	2	–	1	1	2-3	4000	0	1
Gorleston ...	1019.5	-4	NW'N	2	bc	34	95	6	4	–	–	2-3	2-3	4000	0	1
Cranwell ...	1020.7	-6	W	1	bf	27	95	3	–	3	–	0	1	–	0	*
Cardington ...	1020.7	-8	NW'N	1	f.	23	95	3	–	–	2	0	7-8	–	*	*
Birmingham ...	1020.9	-2	SE	1	bc	30	95	5	–	–	4	0	2-3	–	0	*
Upper Heyford	1020.5	-10	NE'E	2	bc	30	95	5	–	–	8	0	4-6	–	0	*
Leafield ...	1020.2	-10	NE'E	2	bc	30	95	6	–	–	8	0	4-6	–	4	*
Ross-on-Wye ...	1020.4	-16	SW	1	bc.F	23	95	1	–	–	1	0	2-3	–	4	*
Portland Bill ...	1016.8	-12	NE'E	5	rr	47	85	6	4	–	–	10	10	2500	1	4
Plymouth ...	1016.0	-18	E	1	c	48	95	7	6	3	1	7-8	9	1500	1	1
Falmouth ...	1013.7	-4	SE'E	6	q	52	65	7	8	–	–	7-8	7-8	4000	0	4
Scilly (St. Mary's)	1012.5	-10	SE'E	5	c	51	75	7	8	7	–	4-6	7-8	4000	0	4
Guernsey ...	1016.7	+14	E	5	c	48	75	8	8	1	8	4-6	9+	2500	0	5
Pembroke ...	1017.4	-8	NE	3	bc	41	95	7	4	1	–	2-3	4-6	800	0	2
Holyhead ...	1018.5	-14	S'E	2	b	37	85	5	–	–	–	0	0	–	0	0
Chester (Sealand)	1020.3	-10	SE'S	2	bf	23	95	3	–	3	–	0	Tr.	–	4	*
L'pool (Bidston)	1019.7	-10	SE	3	bc	34	85	5	5	–	8	2-3	4-6	1500	0	*
Harrogate ...	1020.3	-6	SSW	1	b	30	85	9	–	–	8	0	Tr.	–	0	*
Spurn Head ...	1019.4	-2	NW	3	bc	39	95	6	5	–	–	2-3	2-3	1500	1	3
Tynemouth ...	1018.8	-10	WSW	1	bf	33	95	3	5	–	–	4-6	4-6	1500	0	2
Inchkeith ...	1017.8	-8	WSW	3	bc	36	85	6	5	4	–	2-3	4-6	1500	0	2
Leuchars ...	1016.7	-18	WSW	4	c	34	85	7	4	–	–	7-8	7-8	5700	4	*
Renfrew ...	1019.4	-18	–	0	c	25	95	5	5	–	–	7-8	7-8	4000	4	*
Eskdalemuir ...	1020.3	-12	–	0	b	18	85	8	–	4	–	0	1	–	4	*
Tiree ...	1017.5	-14	WNW	3	c	40	85	9	5	6	–	2-3	7-8	4000	0	2
Stornoway ...	1012.7	-22	WSW	5	pr.	47	85	8	5	7	–	7-8	10	1500	1	3
Dalwhinnie ...	1017.4	-12	SE	4	c	39	75	8	4	–	–	7-8	7-8	800	0	*
Aberdeen ...	1013.5	-20	SSW	2	c	40	75	8	–	7	–	0	9+	–	1	1
Wick ...	1009.4	-28	WSW	4	c	43	95	8	8	4	8	7-8	9	1500	0	3
Lerwick ...	1003.0	-20	W	4	r.r.	48	85	7	6	–	–	10	10	1500	1	*
Blacksod Point	1017.2	-14	E	4	bc	40	75	8	–	4	–	0	2.3	–	0	3
Malin Head ...	1018.2	-16	S	1	c	40	85	8	5	3	–	7-8	7-8	4000	0	1
Aldergrove ...	1015.2	-8	ENE	1	bc	35	75	7	5	3	–	4-6	4-6	4000	1	*
Donaghadee ...	1018.6	-12	WSW	1	c	41	75	7	5	2	–	7-8	9	1500	0	0
Birr Castle ...	1017.7	-10	NE	1	b	28	95	7	–	3	–	0	1	–	0	*
Valentia Obsy.†	1013.3	-16	E	4	c	46	75	8	5	3	2	2-3	7-8	5700	0	2
Roches Point ...	1014.4	-16	SE	4	c	51	75	7	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)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 24h Hrs. (36)
London (Kew) ...	49	27	22	–	–	5.9
Croydon ...	48	27	21	–	–	1.9
S. Farnborough	51	23	14	–	Tr.	7.1 ~~9~~
Winchester ...	49	28	23	–	–	7.4
Boscombe Down	49	34	24	–	–	*
Calshot, (S'thmtn)	52	37	30	–	–	8.1
Dungeness ...	52	30	*	–	–	*
Lympne ...	48	35	30	–	–	5.2
Shoeburyness	52	29	25	–	–	6.5
Felixstowe ...	49	32	22	Tr.	–	7.2
Gorleston ...	51	34	32	0.2	0.2	7.9
Cranwell ...	49	26	22	–	–	8.5
Cardington ...	*	*	*	*	*	*
Birmingham ...	47	30	14	–	–	5.1
Upper Heyford	47	28	19	–	–	*
Leafield ...	46	28	23	–	–	8.8
Ross-on-Wye ...	48	23	16	–	–	7.6
Portland Bill ...	52	44	*	–	0.1	*
Plymouth ...	50	44	39	–	0.2	4.6
Falmouth ...	50	48	*	–	–	4.0
Scilly (St. Mary's)	51	48	*	–	–	0.0
Guernsey ...	53	47	45	–	–	3.9
Pembroke ...	49 ~~48~~	39	*	–	–	7.6
Holyhead ...	49	35	27	–	–	6.0
Chester (Sealand)	47	23	18	–	–	7.1
L'pool (Bidston)	45	34	31	–	–	8.1
Harrogate ...	45	30	24	–	–	7.9
Spurn Head ...	47	38	*	0.4	0.2	5.7
Tynemouth ...	46	33	27	–	–	*
Inchkeith ...	46	36	32	–	–	3.5
Leuchars ...	47	29	20	–	–	6.5
Renfrew ...	48	22	14	–	–	7.2
Eskdalemuir ...	43	17	14	–	–	5.2
Tiree ...	46	33	20	–	0.3	2.8
Stornoway ...	47	39	*	0.2	Tr.	3.1
Dalwhinnie ...	45	27	13	–	–	7.5
Aberdeen ...	42	36	31	1	–	1.9
Wick ...	44	38	*	0.3	1	*
Lerwick ...	42	39	*	–	3	1.1
Blacksod Point	49	39	*	Tr.	–	*
Malin Head ...	46	39	*	Tr.	–	1.0
Aldergrove ...	47	32	32	Tr.	–	3.9
Donaghadee ...	48	39	*	–	–	*
Birr Castle ...	50	27	17	–	–	8.6
Valentia Obsy.†	52	43	39	–	–	4.2
Roches Point ...	51	46	*	–	–	*

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	bxcbc	b3.	of5x	49	27	22	–	–	5.9	*	*	0
Croydon ...	217	bcm. ⊕	bc3.ybf	bm.f5x	48	27	21	–	–	1.9	*	*	3
Greenwich (Royal Observatory) ...	149	cm m.	cm. b	bm.xf	50	27	17	–	Tr.	2.1	63	74	2
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*	4.4	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	50	35	30	–	–	3.7	53	91	*
Regents Pk. (Botanic Gardens) ...	168	*	*	*	*	*	*	*	*	5.6	*	*	*
Camden Square ...	110	cbc	bcb	*	52	31	27	–	–	*	At 18h. 91		*
Kensington ...	80	bc	bc	*	50	31	23	–	–	4.8	69	94	*
Hampstead Observatory ...	450	bc	bc	bcx	47	31	24	–	0.3	6.2	*	83	*

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 21st Oct. Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 22nd Oct. 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 ...	1019.7	NNE	2	c	46	1019.1	NE	2	bc	32	59	30	–	–
Brussels ...	1020.2	N'W	3	pr	45	1020.3	SE	1	b	36	52	30	0.3	Tr.
Berlin ...	1009.4	W'N	4	c	41	1017.7	W'S	2	b	34	48	32	–	0.6
Zürich ...	1018.2	E	1	c	41	1019.0	NE	1	3	32	54	30	–	–
Rome ...						1016.1	S	3	c	63		56		–

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time	Min.	Time	Kew Observatory Max.	Time	Min.	Time
1.1	22nd 21h	0.3	3-4h 22nd	0.8	20h 21st	0.1	14h 21st

EXPLANATION OF FIGURES & LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 23rd October 1931.

No. 25537

OBSERVATIONS at 13h. G.M.T. 22nd 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)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1016.5	-26	ESE	2	cf-	47	75	3	5	-	9	9	9+	5700
	Croydon	1016.8	-24	NE	1	c	47	75	4	7	3	8	7·8	9+	2500
	S. Farnborough	1016.3	-26	E'N	1	c	48	75	5	5	3	-	9	9+	4000
	Winchester	1015.7	-26	E'S	3	c	46	85	7	5	-	-	10	10	4000
	Boscombe Down	1015.9	-24	E'S	4	c	47	75	7	5	3	-	4-6	9+	4000
	Calshot, S'thmtn	1016.3	-20	ENE	4	c	50	75	6	5	6	-	4-6	9	2500
	Dungeness	*	*	SE	2	c	*	*	7	8	7	*	2-3	9+	1500
	Lympne	1016.7	-20	SE'S	3	c	48	65	8	7	3	8	4-6	9+	4000
2	Shoeburyness	1016.9	-24	E'S	3	c	51	75	7	7	6	6	4-6	7·8	4000
	Felixstowe	1017.2	-26	ESE	1	bc	52	65	8	1	-	6	2-3	4-6	4000
	Gorleston	1017.5	-20	SSW	1	bc	52	75	7	1	-	1	2-3	4-6	4000
	Cranwell	1016.7	-26	S'E	2	bc	48	55	6	1	3	-	1	2-3	4000
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1016.7	-20	SSW	2	bc	45	65	6	-	5	-	0	4-6	-
	Upper Heyford	1016.7	-24	E'S	2	c	45	75	6	5	9	8	2-3	7·8	7200
	Leafield	1016.3	-20	SE	2	c	45	75	6	-	3	6	0	9	-
4	Ross-on-Wye	1016.1	-26	NE'E	2	c	44	75	5	-	5	2	0	7·8	-
5	Portland Bill	1013.8	-22	ESE	5	c	52	65	8	4	8	-	4-6	10	2500
	Plymouth	1012.2	-26	SE	4	bc	53	75	9	1	3	1	1	4-6	1500
	Falmouth	1011.4	-6	ESE	7	q	53	65	8	8	5	-	4-6	4-6	4000
	Scilly (St. Mary's)	1010.1	-20	ESE	6	c	54	75	7	1	7	-	2-3	7·8	4000
	Guernsey	1012.5	-24	ENE	5	bc	53	65	8	7	4	-	2-3	2-3	2500
6	Pembroke	1014.1	-20	NE	3	c	48	95	7	4	6	7	4-6	7·8	800
7	Holyhead	1015.3	-22	SE'E	1	b	53	55	6	-	-	2	0	1	-
	Chester (Sealand)	1016.2	-28	S'E	2	b	48	55	6	-	3	-	0	1	-
8	L'pool (Bidston)	1015.9	-14	ESE	3	bc	45	65	5	5	-	-	2-3	2-3	1500
9	Harrogate	1016.0	-14	S	1	b	45	65	4	5	-	-	1	1	<150
10	Spurn Head	1016.8	-10	W'S	1	bc	48	55	6	-	1	-	0	2-3	-
	Tynemouth	1015.6	-20	W	2	bcjp	46	55	6	2	-	-	2-3	2-3	2500
11	Inchkeith	1014.0	-14	SW	4	c	46	85	7	5	3	-	7·8	9	4000
	Leuchars	1012.3	-22	W	4	c	47	65	9	-	3	-	0	9	-
12	Renfrew	1015.2	-18	W	3	c	49	55	8	5	-	-	7·8	7·8	4000
	Eskdalemuir	1014.8	-20	WSW	4	bc	41	55	8	7	-	-	4-6	4-6	4000
13A	Tiree	1014.4	-16	WSW	3	c	47	75	9	5	-	-	9+	9+	2500
13B	Stornoway	1009.7	-12	WSW	5	c	50	95	8	9	7	9	4-6	9	1500
15	Dalwhinnie	1013.9	-6	SE	1	c	43	65	8	4	-	-	7·8	7·8	1500
	Aberdeen	1010.2	-16	WSW	2	c	47	65	7	5	-	-	9+	9+	4000
	Wick	1007.2	-16	W	4	id	47	95	8	9	1	-	7·8	9	1500
16	Lerwick	1001.2	-4	W'N	3	c/pr	46	95	7	8	-	-	7·8	7·8	1500
17	Blacksod Point	1014.3	-10	E	2	b	49	65	8	-	-	-	0	0	-
18	Malin Head	1015.5	-18	SSW	2	bc	47	75	8	5	6	-	2-3	4-6	5700
	Aldergrove	1015.6	-26	W	1	b	48	55	7	7	-	-	1	1	2500
	Donaghadee	1015.6	-12	SE	1	bc	48	65	7	8	3	-	2-3	4-6	2500
19	Birr Castle	1013.8	-18	SE	1	c	48	75	8	5	-	-	9+	9+	2500
20	Valentia Obsy.	1010.4	-18	E'N	4	c	53	85	8	5	-	-	9+	9+	4000
	Roches Point	1011.7	-20	SE	5	c	53	85	8	3	-	-	9	9	1500

OBSERVATIONS at 18h. G.M.T. 22nd 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)	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)	1013.0	-16	E	1	m	46	85	4	-	3	-	0	9+	-	0	*
	Croydon	1013.2	-16	ENE	2	c	44	85	4	-	5	-	0	9+	-	0	*
	S. Farnborough	1012.4	-16	ENE	1	c	45	85	4	5	-	-	9+	9+	5700	0	*
	Winchester	1011.7	-18	NE	2	c	44	85	6	-	7	-	0	9+	-	0	*
	Boscombe Down	1012.3	-14	NE	2	c	43	85	6	-	3	-	0	7·8	-	0	*
	Calshot, S'thmtn	1012.5	-14	ENE	4	c	48	75	6	-	3	9	0	7·8	-	0	2
	Dungeness	*	*	E	2	c	*	*	7	5	7	*	2-3	9+	2500	*	1
	Lympne	1013.4	-12	NE	3	c	41	85	6	-	3	-	0	10	-	0	*
2	Shoeburyness	1013.6	-14	N	1	c	44	95	6	5	3	-	2-3	7·8	4000	0	*
	Felixstowe	1014.4	-12	N	1	c	46	85	8	5	-	-	9	9	2500	0	0
	Gorleston	1013.3	-12	SW'W	1	bc	46	75	6	-	3	-	0	4-6	-	0	1
	Cranwell	1013.4	-20	SSW	2	b	34	85	5	-	3	-	0	Tr	-	0	*
3	Cardington	*	*	*		*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1013.3	-12	-	0	bc	41	85	4	-	4	-	0	2-3	-	0	*
	Upper Heyford	1013.3	-14	ENE	2	c	42	85	6	5	-	-	9	9	5700	0	*
	Leafield	1012.7	-20	E'N	2	c	41	85	6	-	7	-	0	9	-	0	*
4	Ross-on-Wye	1012.7	-12	E	2	c	43	75	5	-	7	-	0	9+	-	0	*
5	Portland Bill	1009.9	-12	E'N	5	c	52	65	7	4	6	9	4-6	10	2500	0	4
	Plymouth	1009.5	-8	E'S	3	bc	49	85	8	1	3	1	Tr	4-6	2500	0	1
	Falmouth	1008.6	-4	E	6	q	52	65	8	8	3	-	4-6	7·8	4000	0	4
	Scilly (St. Mary's)	1006.8	-14	E'S	6	c	51	75	7	-	7	-	0	7·8	-	0	4
	Guernsey	1009.1	-8	E'N	4	bc	51	75	7	-	3	9	0	4-6	-	0	4
6	Pembroke	1010.6	-16	NE	3	bc	48	95	7	8	6	-	4-6	4-6	1500	0	2
7	Holyhead	1012.4	-14	SE	1	c	47	75	6	5	-	-	9+	9+	4000	0	0
	Chester (Sealand)	1012.9	-12	-	0	b	36	85	4	-	-	-	0	0	-	0	*
8	L'pool (Bidston)	1012.7	-12	SE'S	2	b	42	75	5	-	-	-	0	0	-	0	*
9	Harrogate	1013.1	-10	S	1	bc	34	85	5	5	-	8	1	2-3	2500	0	*
10	Spurn Head	1013.3	-8	SW'W	2	bc	43	75	6	5	1	-	2-3	4-6	2500	0	1
	Tynemouth	1011.6	-16	WSW	2	bc	42	75	5	5	-	-	4-6	4-6	1500	0	1
11	Inchkeith	1010.7	-12	WSW	4	c	45	85	7	5	3	-	4-6	7·8	2500	0	3
	Leuchars	1009.5	-10	WSW	3	c	44	75	9	5	-	-	9	9	5700	0	*
12	Renfrew	1011.7	-18	W	2	c	42	85	7	5	-	-	7·8	7·8	4000	1	*
	Eskdalemuir	1012.1	-14	W'S	2	b	37	75	7	-	-	-	0	0	-	0	*
13A	Tiree	1011.4	-20	WSW	4	c	48	85	9	5	-	-	9+	9+	2500	0	2
13B	Stornoway	1007.4	-8	W	3	rr	48	95	5	6	-	-	10	10	1500	1	2
15	Dalwhinnie	1011.1	-12	SE	1	c	34	65	6	4	-	-	7·8	7·8	800	0	*
	Aberdeen	1007.4	-20	SW	1	c	47	65	6	5	-	-	9+	9+	4000	1	1
	Wick	1004.7	-14	W	3b	rr	46	95	8	9	2	-	7·8	10	1500	1	2
16	Lerwick	1001.8	+2	NNW	4	c/pr	42	85	7	9	-	-	7·8	7·8	1500	1	*
17	Blacksod Point	1011.8	-12	E	4	bc	47	75	7	-	4	-	0	4-6	-	0	3
18	Malin Head	1013.0	-8	W	1	bc	43	75	8	7	-	-	2-3	2-3	4000	0	1
	Aldergrove	1013.0	-12	-	0	fg	38	75	7	-	-	-	0	0	—	1	*
	Donaghadee	1012.8	-12	NW	1	bc	40	75	7	5	-	-	2-3	2-3	1500	0	0
19	Birr Castle	1011.6	-14	E	1	c	44	85	7	-	4	-	0	7·8	-	0	*
20	Valentia Obsy.	1008.2	-10	E'S	2	c	51	75	8	5	3	-	7·8	9	4000	0	2
	Roches Point	1009.1	-10	ESE	3	c	52	75	8	3	6	-	4-6	7·8	1500	0	4

PAST 24 HOURS.

Stations.	Weather. Th.–13h. 22nd. (37)	Weather. 13h.–18h. 22nd. (38)	Weather. 18h. 22nd to 1h. 23rd (39)	Weather. 1h.–Th. 23rd. (40)
London (Kew)	ofxcf	cgocm	bcfcf	cfx.cm.
Croydon	bcxf	cmmo	bcemow	bmcfw
S. Farnborough	bFxcmo	cbcmom	cm	fffx
Winchester	xcmo	cmo	cmo	cmo ff
Boscombe Down	cmc	cbccmo	cmo	cmo
Calshot, S'thmtn	cmo	ccmo	bbc	bccmo
Dungeness	bc	bc	*	bc
Lympne	bcc	como	cbmo	bbcmo
Shoeburyness	bcmobc	cmo	bcmo	bwxbcm
Felixstowe	bczo	bcc	c	c
Gorleston	bc	bc	bcc	cbc
Cranwell	bfxzo	bzom o	bmo.x	bbcfx
Cardington	*	*	*	o
Birmingham	bfbc	bcbm	bmf	ff
Upper Heyford	bcmo	bccmo	cmw	cmmx
Leafield	bcc	c	cbc	bcmx
Ross-on-Wye	Fbcfmcz	bcczo	czbmf	ffx
Portland Bill	rrc	c	c	c, czo
Plymouth	cbcv	cvbc	bcb	bwc
Falmouth	cbcq	bccq	cq	cq
Scilly (St. Mary's)	c	c	c	c
Guernsey	cbc	bccbc	bcbbc	co
Pembroke	bcrc	bc	bcb	bcc
Holyhead	bmozo	bybcz	cbmow	bbcmw
Chester (Sealand)	xbfnzo	bzo	bmx	bmmx
L'pool (Bidston)	bbmo	bbmmo	bmmbf	bfcmx
Harrogate	bm	b	b	bx
Spurn Head	bc	bc	bc	bcm
Tynemouth	bcft	bc	bcmo	bc
Inchkeith	cmomo	c	c	c
Leuchars	cxccv	cv	cvc	coidm
Renfrew	cxbbcc	cycbc	bcc	cxid
Eskdalemuir	bxbcy	bcyb	bbx	bx
Tiree	c	c	c	cir
Stornoway	cpr	ordd	cro bc	c
Dalwhinnie	c	c	*	b
Aberdeen	c	czopro	c	c
Wick	cidoc	cirrr	crrbc	bcc
Lerwick	oro5.ipr	cpr	cpr	c
Blacksod Point	b	bc	bc	bc
Malin Head	cbc	bc	bc	bcc
Aldergrove	by	b	bbmo	bmcf
Donaghadee	cbc	bcb	bbcc	c
Birr Castle	bc	c	cbc	bcxc
Valentia Obsy.	c	c	c	cpc
Roches Point	cpoc	cbcc	cbc	bcirc

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. 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.

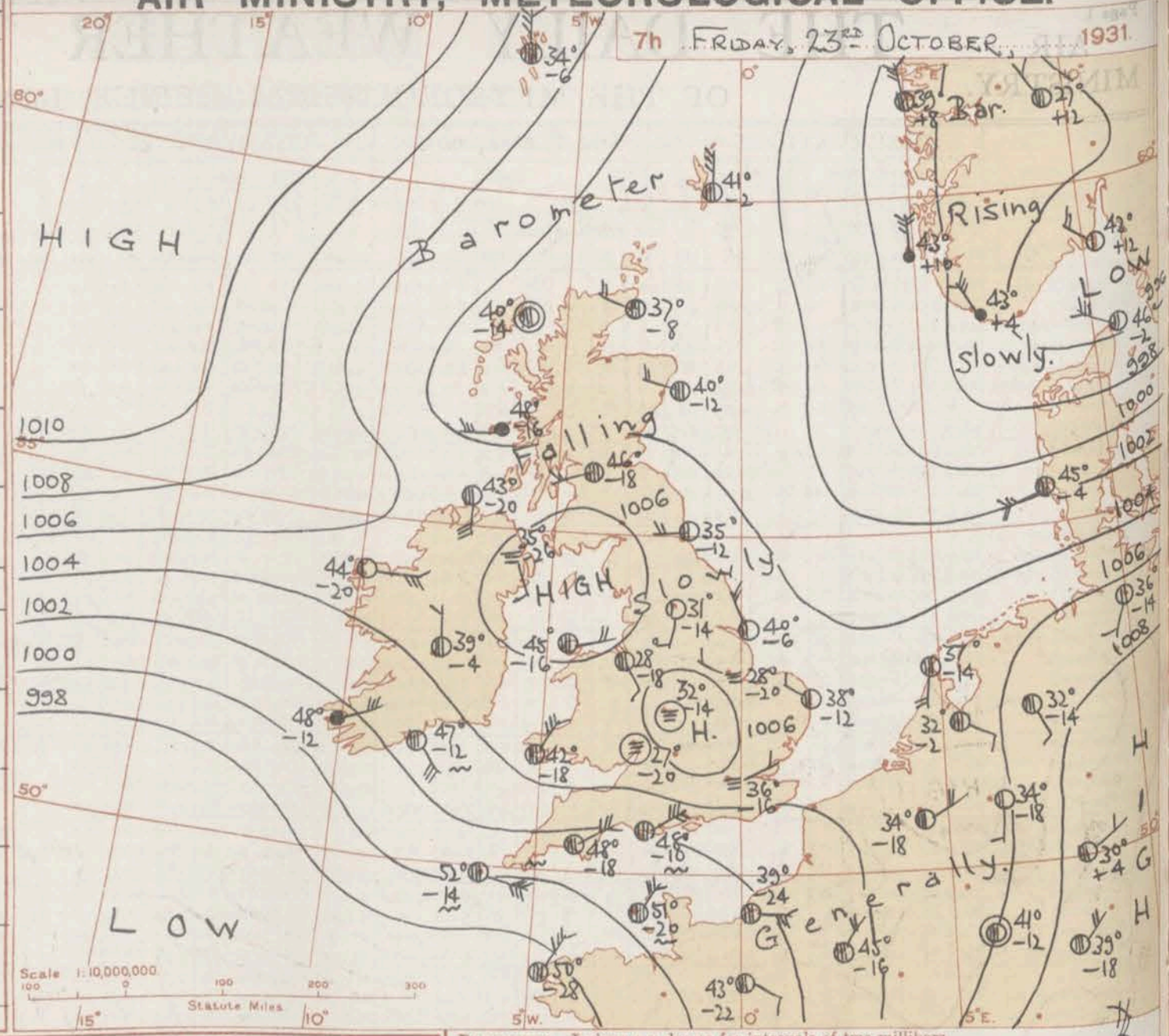
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for ..... 22nd. October ..... 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.	bbc	coc	27	49	—	—	3.3
	Bournemouth	o	oc	32	50	—	—	0.8
	Ventnor ...	oco	bc	42	53	—	—	2.0
	Southsea ...	bcc	cbc	37	51	—	—	0.6
	Bognor Regis	cbc	bccbc	37	51	—	—	0.5
	Littlehampton	c	cbc	33	51	—	—	0.3
	Worthing ...	co	co	38	53	—	—	1.1
	Brighton ...	bc	bcc	37	53	—	—	1.7
	Eastbourne†	cbc	bccbc	36	51	—	—	2.6
	Hastings† ...	bc	c	37	51	—	—	1.5
	Folkestone ...	ocbc	bc	40	53	—	—	2.1
	Dover... ...	fbcb	bbcc	39	52	—	—	2.9
	Deal	bcobc	bcc	35	52	—	—	1.2
	Ramsgate ...	c	cbcc	42	52	—	—	1.3
	Margate ...	bcc	bcc	46	52	—	—	2.0
2	Southend ...	bbmbc	bcgoc	34	54	Trace	—	6.1
	Maldon ...	mb	bbcc	29	54	—	—	5.8
	Clacton-on-Sea	bc	bcc	34	53	—	—	6.2
	Dovercourt ...	xbc	bcoc	33	51	—	—	5.6
	Lowestoft ...	b	bbc	32	48	—	—	7.0
	Skegness ...	bc	bcm.	29	49	Trace	—	8.5
	Mablethorpe	b	b	29	50	1	—	9.2
	Cleethorpes ...	xbm	bbf	31	51	0.4	—	8.6
3	Leamington S.	mbc	bcc	23	48	—	—	2.2
4	Cheltenham†	bcmgc	cbcf	27	48	—	—	2.1
5	Bath	cbc	cbc	30	51	—	—	2.2
	Weymouth ...	c	mccb	38	53	—	—	1.9
	Jersey ...	cbc	bcc	45	53	—	—	6.3
	Torquay ...	rpq,c	cbc	42	55	2	—	3.9
	Penzance ...	cb	bc	44	56	—	—	3.2
	St. Ives ...	c	c	46	55	—	—	1.9
	Bude	cbc	bcc	39	52	—	—	1.9
	Ilfracombe ...	oc	bc	41	50	—	—	2.1
6	Aberystwyth	bc	bc	36	52	—	—	3.9
7	Llandudno ...	bc	bm.	33	52	—	—	7.7
	Colwyn Bay...	b	b	33	50	—	—	8.0
	Rhyl	xbm.	bm.	27	52	—	—	8.0
8	Wallasey ...	fbcb	bbc	34	50	—	—	6.8
	Southport‖ ...	b3	b3	28	47	—	—	6.3
	Blackpool ...	bmxb	bcc	28	47	—	—	6.3
	Morecambe ...	xmxbx	bbc	27	46	—	—	4.6
9	Ilkley	xbbc	bm	25	44	—	—	4.8
10	Berwick-on-T.	bc	bc	29	49	—	—	8.7
11	Dunbar ...	bcm.	bcm.	32	48	—	—	4.5
12	Douglas ...	cb	cbbc	37	45	—	—	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 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. 23rd October, 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Light or moderate variable or easterly wind, perhaps freshening later; fair today, perhaps rain later; somewhat milder.
4. W. Midlands	Moderate easterly wind; cloudy; probably occasional rain later; becoming milder.
5. S.W. England 6. South Wales	Fresh easterly wind, strong locally; cloudy; occasional rain; moderate temperature.
7. North Wales	As 4.
8. N.W. England 9. N. Midlands	Light or moderate variable or northerly wind; some showers or occasional rain; rather cold.
10. N.E. England	As 4.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man	As 8.
13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate north or northeast wind; cloudy or variable sky; showers of rain or sleet; cold; perhaps night frost locally.
17. N.W. Ireland	Moderate or fresh northeast or east wind, strong locally; probably occasional rain later; rather cold.
18. N.E. Ireland	As 8.
19. S.E. Ireland	As 5 - 6.
20. S.W. Ireland	

GENERAL INFERENCE.

Pressure is highest over Greenland. A secondary to a depression over Scandinavia is moving southeast across Scotland. A large depression northeast of the Azores continues to spread east and northeast. Weather will be fair today over most of England but the tendency is for conditions to become unsettled generally, and milder in the South.

FURTHER OUTLOOK.

Unsettled.

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
Pa. 306/2321. m. 75. 9.6001. Gp.808 (4,000) 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

Friday 23rd October 1931.

No. 25537

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0-10 (12)	Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1008.8	-16	-	0	c	37	95	5	-	3	-	0	9+	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	1008.2	-18	NE'N	3	bc	44	85	7	-	3	-	0	4-6	-
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1008.1	-16	ENE	3	b	36	95	6	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1009.2	-16	NNW	2	c	39	95	7	-	3	-	0	7-8	-
	Cranwell	240	1009.8	-18	WSW	2	b	31	95	5	-	-	-	0	0	-
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1004.3	-10	NE	5	c	48	55	7	4	6	-	4-6	7-8	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1004.6	-18	E	6	q	53	75	7	8	3	-	4-6	9	4000
	Scilly (St. Mary's)	163	1003.2	-20	ESE	6	c	52	85	7	4	2	-	4-6	9+	4000
	Guernsey	175	1005.3	-20	E	2	c	50	75	7	8	4	-	4-6	7-8	4000
6	Pembroke	142	1007.2	-20	NE	3	c	44	95	7	4	6	-	4-6	7-8	1500
7	Holyhead	26	1009.3	-16	SSE	1	b	41	85	5	-	-	-	0	0	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1008.9	-8	W'N	2	bc	40	95	5	5	-	-	2-3	2-3	800
	Tynemouth	67	1007.0	-14	W	2	bc	35	95	6	5	-	-	2-3	2-3	1500
11	Inchkeith	190	1007.4	-12	WSW	3	c	43	95	7	5	8	-	2-3	7-8	2500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1006.3	-4	-	0	bc	38	95	8	1	7	-	1	2-3	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1005.0	-2	NW	3	bc	41	95	8	8	1	1	2-3	4-6	2500
16	Lerwick	54	1003.6	+10	N	3	c	43	75	7	8	-	-	7-8	7-8	1500
17	Blacksod Point	18	1009.3	-6	E	4	bc	44	75	7	-	4	-	0	4-6	-
18	Malin Head	52	1009.3	-14	S	1	bc	37	95	8	5	3	-	1	2-3	4000
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1005.1	-14	E	4	o	50	95	7	5	-	-	10	10	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1004.7	-14	NE	1	c	40	95	5	5	7	8	2-3	7-8	2500	0	*
Croydon	1005.1	-16	ENE	1	cf	34 [5]	95	2	-	5	5	0	9	-	1	*
S. Farnborough	1004.7	-10	E	1	of	36	95	2	5	-	-	10	10	<150	0	*
Winchester	1004.1	-28	NE'N	1	cf-	38	95	2	-	3	-	0	7-8	-	0	*
Boscombe Down	1004.4	-14	E	3	c	39	95	5	-	7	-	0	9	-	0	*
Calshot (S'thmtn)	1003.7	-22	NE	3	c	44	75	6	2	9	-	1	9	2500	0	2
Dungeness	*	*	E	3	c	*	*	7	5	9	*	4-6	9	2500	*	1
Lympne	1004.5	-22	ENE	3	bc	35	95	6	-	3	1	0	4-6	-	0	*
Shoeburyness	1004.6	-14	NNE	3	c	41	95	7	7	7	1	1	7-8	4000	0	*
Felixstowe	1005.6	-20	N	3	c	42	75	7	5	-	1	7-8	9	4000	0	1
Gorleston	1005.7	-12	WNW	1	bc	38	75	6	5	3	-	2-3	4-6	1500	0	1
Cranwell	1005.8	-20	WNW	1	bcf	28	95	3	-	3	1	0	2-3	-	0	*
Cardington	1005.9	-14	NE'N	2	bc	33	95	4	5	-	9	2-3	4-6	5700	*	*
Birmingham	1006.2	-14	-	0	F	32	95	0	6	-	-	10	10	<150	0	*
Upper Heyford	1005.5	-18	NE	2	c	34	95	5	5	-	9	4-6	7-8	4000	0	*
Leafield	1005.0	-16	NE	2	bc	32	95	7	-	3	9	0	4-6	-	0	*
Ross-on-Wye	1005.8	-20	-	0	F	27	95	1	5	-	-	10	10	<150	4	*
Portland Bill	1001.7	-10	NE'E	5	c	48	75	6	4	7	-	7-8	9	2600	0	4
Plymouth	1000.2	-18	ENE	4	u	48	95	8	6	1	-	7-8	9+	4000	1	2
Falmouth	999.5	-8	ENE	6	q	51	85	7	5	2	-	4-6	10	4000	0	4
Scilly (St. Mary's)	999.0	-14	E'S	6	c/r	52	95	7	6	7	-	4-6	10	4000	1	4
Guernsey	1000.8	-20	NE	4	o	51	85	7	5	-	-	10	10	1500	0	4
Pembroke	1004.2	-18	NNE	4	c	42	95	7	4	6	-	2-3	7-8	1500	0	2
Holyhead	1006.5	-16	E	2	c	45	85	7	5	-	1	9+	9+	4000	0	1
Chester (Sealand)	1005.8	-18	SE'S	1	c	28	95	4	5	-	-	9+	9+	4000	4	*
L'pool (Bidston)	1005.4	-16	SE	2	c	36	95	4	5	-	-	9+	9+	800	0	*
Harrogate	1005.8	-14	SSW	1	b	31	85	5	-	-	5	0	1	-	0	*
Spurn Head	1005.2	-6	NW	2	bc	40	85	4	5	1	-	2-3	4-6	1500	0	1
Tynemouth	1004.7	-12	W	2	bc	35	85	6	5	-	-	4-6	4-6	800	0	2
Inchkeith	1004.6	-14	SW	3	c	44	95	7	5	2	-	9+	10	2500	0	2
Leuchars	1004.6	-8	-	0	id	42	95	5	6	-	-	10	10	1500	1	*
Renfrew	1004.9	-18	WSW	2	c/d	46	96	7	6	2	-	9+	10	1500	1	*
Eskdalemuir	1006.3	-16	-	0	bc	23	95	7	5	3	4	Tr.	2-3	220	4	*
Tiree	1003.8	-16	W	3	ir	48	95	7	6	2	-	7-8	9+	1500	1	2
Stornoway	1007.6	-14	-	0	c	40	95	9	8	2	-	4-6	7-8	4000	1	0
Dalwhinnie	1004.9	-6	-	0	r	39	95	6	6	-	-	7-8	7-8	450	1	*
Aberdeen	1003.6	-12	WNW	2	c	40	85	8	6	-	-	9	9	2500	1	1
Wick	1003.1	-8	WNW	2	c	37	95	8	8	8	1	4-6	7-8	2600	1	2
Lerwick	1002.7	-2	N	3	c	41	65	8	5	-	-	7-8	7-8	1500	0	*
Blacksod Point	1005.9	-20	E	4	b	44	75	7	-	4	-	0	1	-	0	3
Malin Head	1005.3	-20	SW	3	c	43	95	8	5	-	-	9	9	4000	0	2
Aldergrove	1006.3	-26	SSE	1	cf	35	95	3	5	1	-	9+	10	2500	1	*
Donaghadee	1005.6	-18	WSW	2	c	40	75	7	5	-	-	9+	9+	1500	0	1
Birr Castle	1004.4	-10	N	1	c	39	95	8	5	-	-	9	9	2500	0	*
Valentia Obsy.†	1001.9	-12	E'N	3	c/pr	48	85	8	5	2	-8	7-8	10	2500	1	2
Roches Point	1002.3	-12	SE	3	c	47	95	8	3	-	-	9	9	1500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 22nd Hrs. (36)
London (Kew)	51	38	27	-	-	1.3
Croydon	48	35	30	-	-	2.8
S. Farnborough	48	34	24	Tr	Tr.	2.3
Winchester	48	36	30	-	-	1.6
Boscombe Down	47	38	35	-	-	*
Calshot (S'thmtn)	51	43	40	-	-	0.4
Dungeness	53	(36)	*	-	-	*
Lympne	50	32	29	-	-	1.0
Shoeburyness	51	38	30	-	Tr.	5.0
Felixstowe	(52)	40	36	-	-	6.1
Gorleston	52	38	34	-	-	7.3
Cranwell	49	27	21	-	-	8.4
Cardington	*	*	*	*	*	*
Birmingham	47	31	18	-	-	3.6
Upper Heyford	47	33	29	0.1	Tr.	*
Leafield	46	30	26	-	-	4.4
Ross-on-Wye	47	26	21	-	-	3.7
Portland Bill	57	46	*	Tr	-	*
Plymouth	54	46	41	-	-	5.7
Falmouth	54	51	*	-	-	5.6
Scilly (St. Mary's)	55	51	*	-	0.1	1.6
Guernsey	53	50	46	-	-	7.5
Pembroke	51	41	*	Tr	-	1.0
Holyhead	53	39	29	-	-	6.8
Chester (Sealand)	48	25	20	-	-	7.6
L'pool (Bidston)	46	36	32	-	-	7.1
Harrogate	45	31	23	-	-	6.5
Spurn Head	48	39	*	-	-	8.4
Tynemouth	48	34	30	-	-	*
Inchkeith	47	42	40	-	-	5.7
Leuchars	52	40	36	-	0.2	1.9
Renfrew	49	42	38	-	Tr.	4.5
Eskdalemuir	44	22	15	-	-	6.0
Tiree	48	46	43	-	3	0.0
Stornoway	50	35	*	3	1	0.3
Dalwhinnie	48	32	25 [3]	-	4	0.0
Aberdeen	49	36	30	Tr	-	0.0
Wick	48	36	*	9	2	*
Lerwick	48	39	*	4	Tr.	0.5
Blacksod Point	50	43	*	-	-	*
Malin Head	48	35	*	-	-	5.9
Aldergrove	49	25	23	-	-	9.0
Donaghadee	49	36	*	-	-	*
Birr Castle	51	38	26	-	-	3.7
Valentia Obsy.†	53	47	45	-	0.3	0.0
Roches Point	54	46	*	0.1	2	*

LONDON OBSERVATIONS.

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

Station	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Temperature Day Max. °F.	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)
		24 hrs. ended 9h.											
Kew	18	ofxcf	c3ocm	bcfxm	51	38	27	-	-	1.3	*	*	4
Croydon	217	bcxf	cmm	bcc fw	48	35	30	-	-	2.8	*	*	3
Greenwich (Royal Observatory)	149	bcf	cm	cbcxm	51	38	26	-	Tr.	2.4	72	77	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.9	*	*	*
Westminster (St. James' Park)	27	*	*	*	51	41	36	-	-	0.9	65	71	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	1.2	*	*	*
Camden Square	110	bmxcb	c	*	50	37	32	-	-		At 18h.	85	*
Kensington	80	bcfc	cm	*	50	40	29	-	-	0.3	7.7	79	*
Hampstead Observatory	450	bcof	bc	bcm	48	36	30	Tr.	-	3.5		81	

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

SOUTH KENSINGTON.			
Max.	Time.	Min.	Time.
3.2	9h 22nd	0.3	6h 23rd
KEW OBSERVATORY.			
Max.	Time.	Min.	Time.
2.2	12h 22nd	0.1	15h 22nd

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 22nd October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 23rd October 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	1011.1	NE	2	bc	45	1003.5	NNE	2	c	45	55	34	-	-
Brussels	1014.0	ENE	2	c	43	1005.0	ESE	2	c	36	50	34	1	-
Berlin	1016.6	-	0	bc	37	1008.7	-	0	f	32	48	32	-	-
Zürich	1015.1	E	1	c	45	1010.2	S	1	c/r	41	54	39	-	4
Rome	1017.5	ENE	3	c	61	1016.5	ESE	3	u	59	72	54	Tr.	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

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

COLUMN 30.—Code for State of Sea.

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 24th October 1931.

No. 25538

OBSERVATIONS at 13h. G.M.T. 23rd 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)	1000.7	-24	NE'E	2	m	48	75	4	-	3	-	0	9	-
	Croydon	1001.4	-30	ENE	3	c	50	75	5	5	7	-	7·8	10	2500
	S. Farnborough	1000.5	-30	ENE	2	cf	47	75	3	5	3	8	7·8	9	5700
	Winchester	1000.2	-26	NE'E	3	c	47	85	6	5	-	-	9+	9+	4000
	Boscombe Down	1000.5	-28	ENE	3	c	47	75	6	-	3	-	0	9+	-
	Calshot, S'thmtn	1000.4	-28	E'N	4	c	51	65	6	-	7	-	0	9+	-
	Dungeness	*	*	E	3	c	*	*	7	3	7	*	7·8	9	2500
	Lympne	1001.0	-22	E	3	c	48	65	7	-	3	9	0	9+	-
2	Shoeburyness	1001.6	-20	E'S	3	c	51	75	8	4	7	-	7·8	9+	4000
	Felixstowe	1002.1	-24	E'N	2	c	53	55	7	7	3	-	7·8	9	2500
	Gorleston	1002.4	-20	E'N	1	c	51	85	6	-	3	-	0	7-8	-
	Cranwell	1001.9	-26	-	0	bc	48	65	6	-	-	8	0	2-3	-
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	7-8	*
	Birmingham	1002.4	-20	ESE	1	c	45	55	4	-	5	-	0	2	-
	Upper Heyford	1001.6	-26	ENE	3	c	47	65	6	5	7	8	4·6	9	4000
	Leafield	1001.1	-26	NE	3	c	46	65	7	-	3	6	0	9+	-
4	Ross-on-Wye	1001.7	-26	NE'E	2	c	47	65	5	-	-	7	0	9+	-
5	Portland Bill	997.5	-12	NE'E	5	c	51	75	6	4	7	8	4·6	7-8	1500
	Plymouth	997.9	-14	ENE	4	ir₀	49	85	6	6	2	-	9	9+	1500
	Falmouth	996.8	-6	NE'E	6	q	52	85	7	5	2	-	4·6	10	4000
	Scilly (St. Mary's)	996.4	-14	E	5	pr	55	95	6	6	-	-	9+	9+	2500
	Guernsey	997.0	-26	NE'N	3	c	56	75	7	8	6	-	7-8	9	2500
6	Pembroke	1000.5	-20	NE	3	c	49	85	7	-	4	-	0	7-8	-
7	Holyhead	1003.2	-26	NNE	1	c	49	65	8	4	-	2	7·8	9+	2500
	Chester (Sealand)	1002.2	-26	-	0	b	49	55	6	-	-	1	0	Tr	-
8	L'pool (Bidston)	1002.1	-12	-	0	bc	45	75	5	5	-	4	4·6	4-6	1500
9	Harrogate	1002.0	-14	SSW	1	b	46	65	5	-	-	8	0	Tr	-
10	Spurn Head	1002.0	-8	SW'S	1	bc	50	65	6	5	-	1	2-3	4-6	1500
	Tynemouth	1001.9	-16	-	0	c	49	75	6	6	-	-	9+	9+	1500
11	Inchkeith	1001.7	-16	W	3	ir	49	95	6	8	-	-	10	10	1500
	Leuchars	1001.6	-18	NE	1	o/r	46	95	7	5	-	-	10	10	800
12	Renfrew	1002.1	-14	WSW	2	ir	49	85	6	6	-	-	10	10	1500
	Eskdalemuir	1001.6	-18	W'S	2	c	47	75	8	8	-	-	9+	9+	1500
13A	Tiree	1002.7	-6	NNW	4	c	48	75	9	8	-	-	9+	9+	2500
13B	Stornoway	1002.5	-8	N	2	c/pr	43	85	8	8	7	-	4·6	7·8	4000
15	Dalwhinnie	1001.4	-6	-	0	bc	44	85	8	4	-	-	4·6	4·6	1500
	Aberdeen	1000.9	-16	W'S	2	c	48	65	7	8	3	-	7·8	7·8	2500
16	Wick	1001.0	-10	W	2	c	45	75	8	8	1	8	4·6	7·8	2500
	Lerwick	1001.6	-4	NE	3	c/rs	39	95	8	6	2	-	4·6	10	1500
17	Blacksod Point	1004.6	-4	ENE	4	bc	49	65	8	-	5	-	0	4·6	-
18	Malin Head	1002.2	-18	W'S	3	c/pr	49	95	8	9	-	-	9	9	2500
	Aldergrove	1003.6	-14	SW	1	c	45	75	6	5	-	-	9+	9+	2500
	Donaghadee	1003.1	-8	W	1	c	49	75	7	5	-	-	9	9	1500
19	Birr Castle	1003.3	-10	NE	1	c	45	75	7	5	-	-	9+	9+	2500
20	Valentia Obsy.	1001.1	-8	ENE	3	ir₀	48	85	7	5	2	-	7·8	10	1500
	Roches Point	1000.9	-6	SE	3	ir₀	50	95	7	6	-	-	10	10	1500

OBSERVATIONS at 18h. G.M.T. 23rd 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)	997.8	-12	ENE	3	z	48	65	5	-	3	-	6	9	-	0	*
	Croydon	998.1	-18	NE'N	2	c	46	75	5	5	7	-	4-6	9+	4000	0	*
	S. Farnborough	997.5	-12	ENE	3	c	46	75	4	5	3	-	2-3	9	5700	0	*
	Winchester	997.1	-14	NE'N	3	cf	46	85	3	5	7	-	7·8	9+	4000	0	*
	Boscombe Down	997.6	-10	NE	2	c	44	85	5	-	3	-	0	9+	-	0	*
	Calshot, S'thmtn	997.5	-18	NE'N	3	id₀	49	65	6	-	7	1	0	7·8	-	0	1
	Dungeness	*	*	E	3	c	*	*	7	5	7	*	7·8	9	2500	*	2
	Lympne	997.0	-12	NE	3	c	46	75	6	-	3	9	0	10	-	0	*
2	Shoeburyness	1013.6	-14	N	1	c	44	95	6	5	3	-	2-3	7·8	4000	0	*
	Felixstowe	999.0	-18	NE	3	c	50	65	7	5	7	-	1	9	2500	0	1
	Gorleston	999.1	-14	E'N	2	c	40	85	7	7	3	-	2-3	7·8	4000	0	1
	Cranwell	999.5	-16	-	0	c	37	95	4	-	7	6	0	9+	-	0	*
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	1000.0	-10	NNE	1	bc	42	65	4	-	8	1	0	4-6	-	0	*
	Upper Heyford	998.8	-14	NE'E	2	c	41	85	5	-	7	8	0	7-8	-	0	*
	Leafield	998.6	-14	NE'N	2	c	40	85	5	-	3	-	0	7·8	-	0	*
4	Ross-on-Wye	999.9	-14	NE	2	c	44	75	4	5	-	-	10	10	4000	0	*
5	Portland Bill	994.3	-4	NE	4	o	50	75	5	5	-	-	10	10	1500	1	4
	Plymouth	995.5	-4	NE'E	3	c	50	75	6	5	2	-	9+	10	1500	0	0
	Falmouth	994.8	-4	NE'N	3	o/r	50	85	5	5	-	-	10	10	2500	1	2
	Scilly (St. Mary's)	994.8	-6	ENE	5	d₀d₀	57	95	5	6	-	-	10	10	2500	1	4
	Guernsey	993.6	-14	NE	4	c₀	54	95	6	5	-	-	10	10	1500	0	3
6	Pembroke	997.5	-8	N	4	c	47	95	6	-	7	7	0	10	-	0	2
7	Holyhead	1000.9	-12	NE'N	4	c	49	75	7	4	-	3	9	9+	1500	0	2
	Chester (Sealand)	999.7	-10	NW'N	1	c	39	95	4	-	3	6	0	7-8	-	0	*
8	L'pool (Bidston)	999.3	-14	N	2	c	44	75	7	5	-	6	2-3	9	2500	0	*
9	Harrogate	999.7	-10	-	0	bc	39	85	5	-	-	4	0	2-3	-	0	*
10	Spurn Head	999.1	-6	-	0	c	44	75	5	5	1	-	4-6	7-8	1500	0	2
	Tynemouth	999.0	-20	WSW	1	bcf-	46	85	3	5	-	1	2-3	2-3	1500	0	1
11	Inchkeith	999.6	-12	NNW	2	c/r	45	85	7	5	5	-	7·8	9	2500	1	2
	Leuchars	999.8	-6	NW	2	rr	43	95	6	6	-	-	10	10	800	1	*
12	Renfrew	1000.2	-4	W	2	c	44	85	7	8	-	-	7·8	7·8	2500	1	*
	Eskdalemuir	999.3	-12	W	2	c	43	85	7	5	-	-	9+	9+	1500	0	*
13A	Tiree	1002.2	0	N'W	5	bc	45	75	9	8	6	-	2-3	4-6	2500	0	3
13B	Stornoway	1002.9	+4	N	2	u	37	95	8	9	7	-	4-6	4-6	1500	1	1
15	Dalwhinnie	999.5	-18	S	1	c	38	85	6	6	-	-	7·8	7·8	450	1	*
	Aberdeen	999.0	-8	W	1	b	39	85	8	5	-	-	1	1	4000	1	1
16	Wick	999.3	-8	N	4	ir	39	85	8	9	2	-	7·8	10	1500	1	3
	Lerwick	1002.4	+2	NE	4	c	40	65	8	8	2	-	4-6	7·8	1500	1	*
17	Blacksod Point	1002.9	-6	N	4	iR	48	95	7	6	-	-	10	10	<150	1	3
18	Malin Head	1002.3	+2	N	5	c	47	95	8	8	-	-	7·8	7·8	2500	0	3
	Aldergrove	1001.5	-6	NNW	3	ir₀	45	95	7	6	2	-	9	10	800	1	*
	Donaghadee	1000.3	-8	W	1	c	46	85	7	5	-	-	7·8	7·8	2500	0	0
19	Birr Castle	1001.3	-8	NE	1	d₀d₀	42	85	8	-	7	-	0	7·8	-	0	*
20	Valentia Obsy.	1000.9	-2	NE'E	3	c/r	46	95	7	5	2	-	4-6	10	1500	1	2
	Roches Point	1000.1	-6	NE	4	r₀r₀	46	95	7	6	-	-	10	10	1500	1	3

PAST 24 HOURS. WEATHER.

District	Stations.	7h.–13h. 23rd (37)	13h.–18h. 23rd (38)	18h.–23h.30 23rd 1h.24th (39)	1h.–7h. 24th (40)
1	London (Kew)	bcz cz	cz₀	cz₀bcz	cmw
	Croydon	cff mpr₀	cr₀m	cm₀	cbm₀
	S. Farnborough	Ffcmcff	cfcm	cmbcm	cbcmx
	Winchester	fmcm₀	cm₀f	cff	cbcff
	Boscombe Down	cm₀	cm₀pr₀	cm₀bcm	bccmx
	Calshot, S'thmtn	cz₀	cm₀	cm₀	cm₀
	Dungeness	bc	bc	*	bc
	Lympne	bcz₀c	cm₀	cm₀	cm₀
2	Shoeburyness	c	cepr₀	cbc	bcm₀
	Felixstowe	cy	cvc	cbc	bcm₀
	Gorleston	bcc	c	c	cm₀
	Cranwell	xbcfz₀	cz₀m₀	cmfw	cfwm
3	Cardington	*	*	*	cm₀
	Birmingham	Fbf	bcm	bcmc	cbc
	Upper Heyford	bcxc	cbccz₀	cbcm₀	bcfxc
	Leafield	bcc	cbcc	c	r₀bccm₀
4	Ross-on-Wye	Fcfmz	czcm	cmom	ocbx
5	Portland Bill	cprcz₀	cirom₀	ocz₀	c
	Plymouth	crm₀	cr₀m₀	cm₀b	bwbc
	Falmouth	cir₀q	om₀r₀q	cr₀m₀	cbcm₀
	Scilly (St. Mary's)	crcp	coir	cd₀c	cbcc
	Guernsey	oc	co	oid₀o	oc
6	Pembroke	bcc	ofm₀	r₀oc	uqbc
7	Holyhead	bc	c	c	bc
	Chester (Sealand)	xbcmbz	bccz₀	bcmx	cm₀pr₀
8	L'pool (Bidston)	mcfcm	bcc	cbc	cbbc
9	Harrogate	b	b	b	b
10	Spurn Head	bcfz	bcc	cm	bc
	Tynemouth	bcmb	cbcff	cffoir₀	oir₀
11	Inchkeith	ir₀c	cRr	cprbc	or₀r₀bc
	Leuchars	oddrr	cir₀or	oPRbc	bPRb
12	Renfrew	c₀d₀	Rrr₀c	cb	b
	Eskdalemuir	bxc	c	cr₀bc	bxcpsbc
13A	Tiree	circ	cbc	bcpr	bcph
13B	Stornoway	cpr	bcPRu	bccprq	bcprhx
15	Dalwhinnie	bc	r	·	is
	Aberdeen	cbc	bcb	b₀cir	Rcpr
16	Wick	cpr₀c	ccir	qRHc	ccpr
	Lerwick	coirs₀	orsrs	bc	bcc
17	Blacksod Point	bc	c	prcq	prcq
18	Malin Head	cbccjp	cPRc	cbccqpr₀	cp₀bcv
	Aldergrove	cfomc	cbcir	ir₀bc	bcb
	Donaghadee	c	cbcc	bprc	bcq
19	Birr Castle	c	c	cbc	bcbx
20	Valentia Obsy.	cir₀	cr₀r₀	c	cp₀bc
	Roches Point	cir₀	or₀r₀	orrc	cbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
f$_c$, 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.

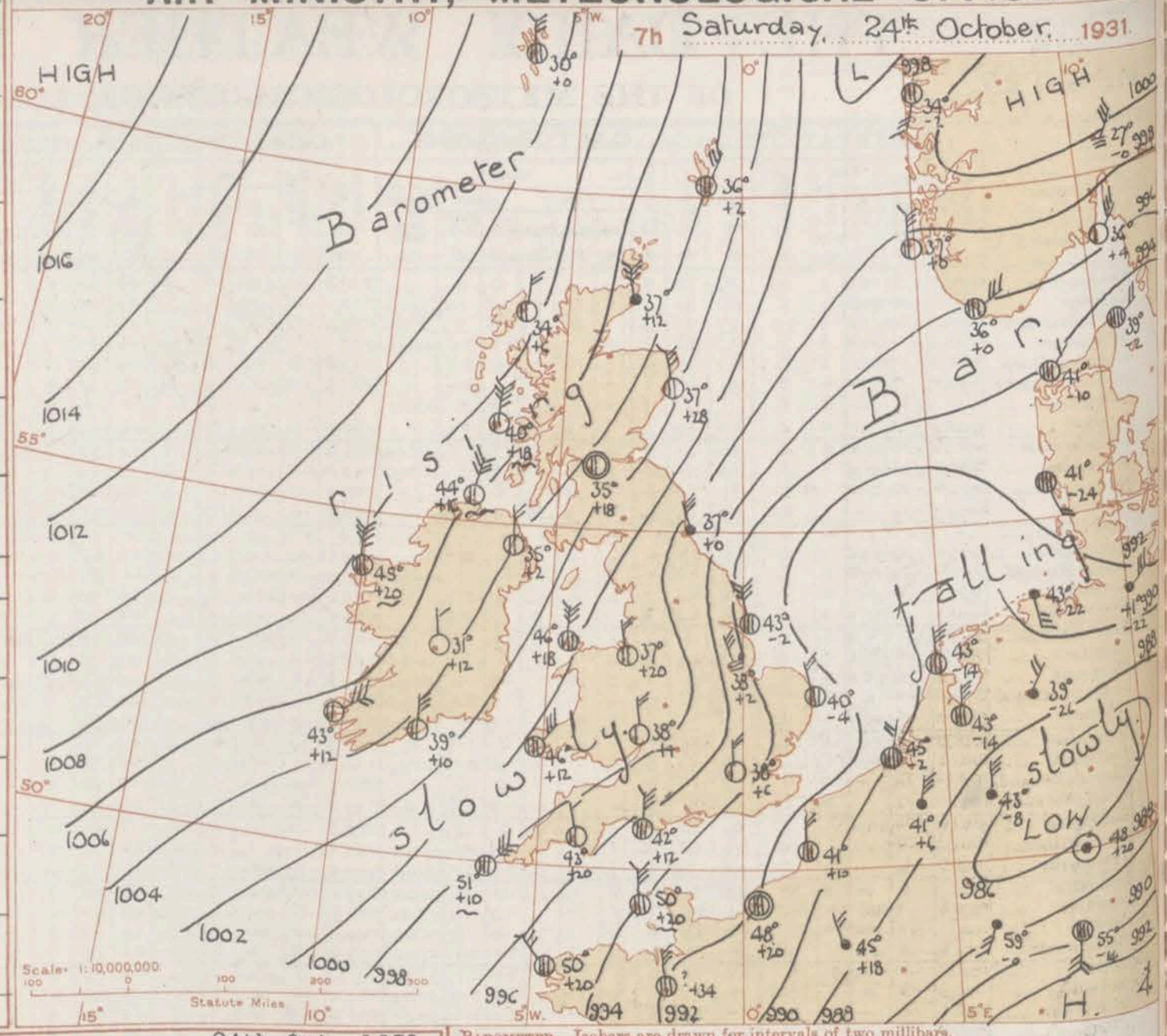
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 23rd October 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h.22nd to 9h.23rd	Temperature. Max. 9h.–17h. 23rd	Rainfall. Night. 17h.22nd to 9h.23rd	Rainfall. Day. 9h.–17h. 23rd	Sunshine. Sunrise to Sunset. 23rd
1	Tunbridge W.	bcc	co	36	52	-	-	0·4
	Bournemouth	mo	om	38	51	-	-	0·0
	Ventnor ...	ocj	ocoj	46	51	-	-	0·0
	Southsea ...	co	o	42	51	-	-	0·1
	Bognor Regis	o	o	41	50	-	-	0·0
	Littlehampton	c	cpc	38	50	-	Trace	0·0
	Worthing ...	oc	ocpo	41	51	-	Trace	0·2
	Brighton ...	bcc	c	39	51	-	-	0·1
	Eastbourne†	c	c	39	52	-	-	0·1
	Hastings† ...	c	c	40	51	-	-	0·1
	Folkestone ...	bcbc	bcco	41	52	-	-	1·4
	Dover... ...	bcc	cy	39	53	-	-	1·3
	Deal	obco	obco	36	52	-	-	1·2
	Ramsgate ...	cbc	bcc	44	53	-	-	1·9
	Margate ...	bc	bccp	44	52	-	Trace	1·5
2	Southend ...	coc	cobc	40	51	-	Trace	0·7
	Maldon ...	c	c	38	51	-	-	0·5
	Clacton-on-Sea	cbcc	c	40	53	-	-	1·1
	Dovercourt ...	bcc	bcc	42	53	-	-	1·3
	Lowestoft ...	bcc	bcc	35	49	-	-	1·0
	Skegness ...	bm	bm	25	47	Trace	-	5·7
	Mablethorpe	wm bbc	bbcm	27	52	-	-	6·4
	Cleethorpes ...	xfb	bmc	29	51	-	-	7·0
3	Leamington S.	mbc	bbcm	27	48	-	-	1·5
4	Cheltenham†	cbc	bccom	27	47	Trace	-	1·5
5	Bath	c	c	36	49	-	-	0·0
	Weymouth ...	cpcc	c	43	53	-	Trace	0·0
	Jersey ...	c	c	46	56	-	-	0·0
	Torquay ...	oqm	oqpcm	47	52	-	Trace	0·0
	Penzance ...	co	orm	50	55	Trace	1	0·1
	St. Ives ...	o	o	49	53	-	-	0·1
	Bude	c	cbcc	42	52	-	-	0·6
	Ilfracombe ...	o	o	44	50	-	-	0·0
6	Aberystwyth	bcx	bccj	39	49	-	-	0·6
7	Llandudno ...	cbcc	cbcc	34	51	-	-	2·2
	Colwyn Bay...	ocbcb	bcoc	37	51	-	-	4·0
	Rhyl	cbcm	bcm	30	50	-	-	2·7
8	Wallasey ...	fcbc	bcc	36	48	-	-	3·1
	Southport‖ ...	bjcbj	bcc	34	48	-	-	6·7
	Blackpool ...	bmb	bbcc	34	49	-	-	7·0
	Morecambe ...	xcbbc	bcb	28	49	-	-	7·4
9	Ilkley... ...	xbbc	b	27	49	-	-	5·7
10	Berwick-on-T.	co	Ro	35	50	-	2	0·0
11	Dunbar ...	bcm	crrm	41	49	Trace	5	0·0
12	Douglas ...	c	cb	34	50	-	-	1·4

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with the wind. Number of feathers indicate Beaufort force. Calm - ⊙
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :—
○ Clear sky. ◯ Sky less than 1/10 clouded. ◐ Sky 1/10 to 5/10 clouded. ◑ Sky 6/10 to 9/10 clouded. ● Overcast sky.
● Rain falling. ✱ Snow. ▲ Hail. ≡ Fog. ≡ Mist. ⊤ Thunder. ⊼ Thunderstorm.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 24th Oct., 1931.
1. S.E. England	Wind mainly north or northeast, moderate or fresh; bright periods; showers; rather cold; night frost.
2. E. England	Wind northerly, moderate or fresh; cloudy; occasional rain or showers; rather cold; night frost inland.
3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	As 1.
7. North Wales 8. N.W. England 9. N. Midlands	Wind northerly, moderate or fresh, strong locally at first; bright periods; showers of rain or sleet; cold; night frost.
10. N.E. England 11. S.E. Scotland	Wind northeast or north, fresh or moderate; cloudy or variable sky; occasional rain or sleet; cold; night frost inland.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland.	Wind northerly, moderate or fresh, backing; variable sky; showers with sleet or snow locally; cold; night frost.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Wind mainly north or northwest, fresh, strong locally; variable sky; showers of rain, sleet or snow; cold; night frost.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 7 - 9.

GENERAL INFERENCE.

A depression over France and Germany will move northeast. An anticyclone southeast of Greenland is moving slowly towards Europe. Secondary disturbances from Denmark and Norway are likely to affect our northern and eastern districts. Cold northerly winds will be experienced generally, with occasional rain, sleet or snow in the North and East and showers and bright periods elsewhere.

FURTHER OUTLOOK.

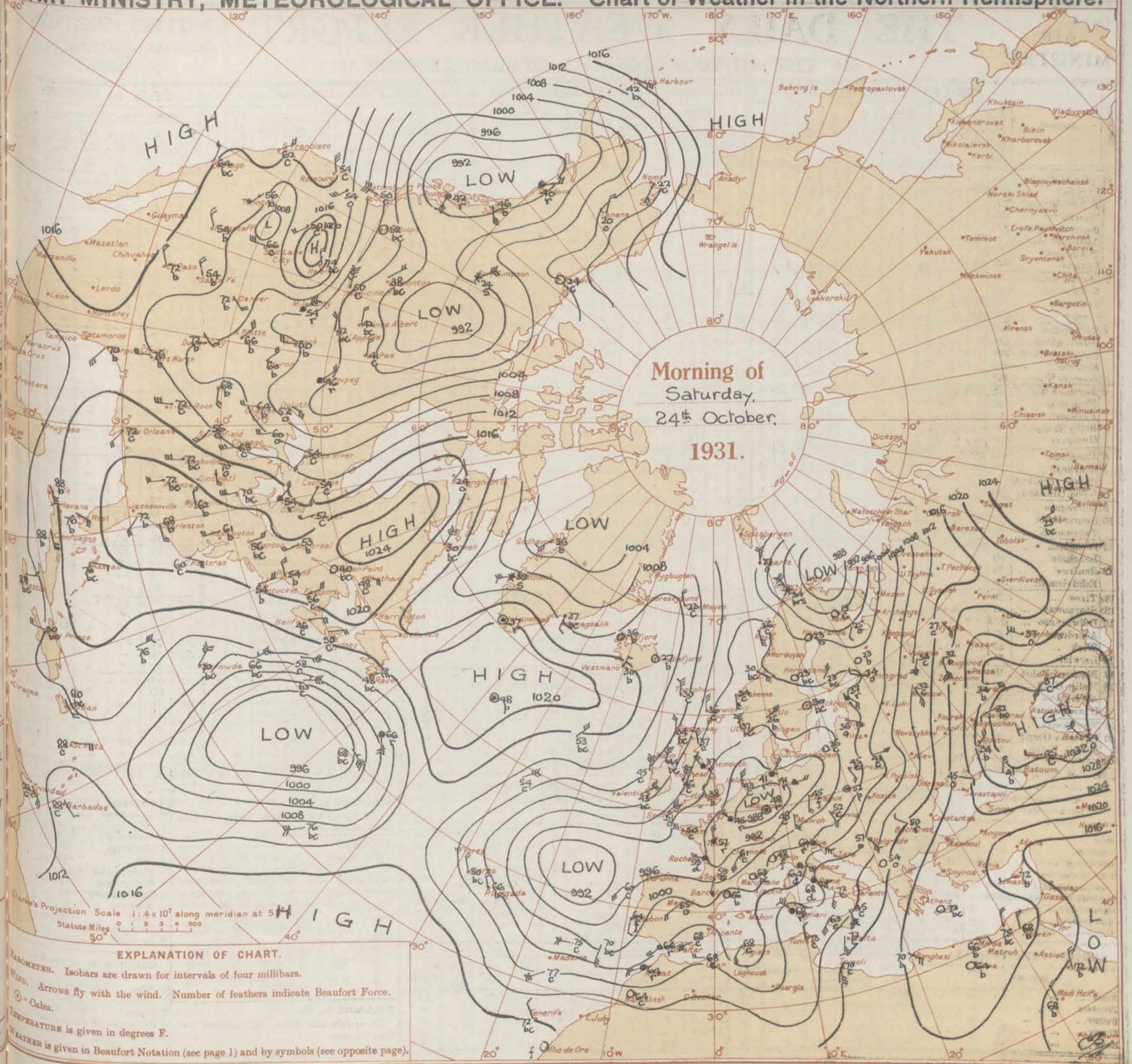
None issued.

Forecasts issued at 1020 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2. Pe 305/2321. Wt. 15. D.6001 2n 806 31000 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

Saturday 24 October 1931.

No. 25538

OBSERVATIONS at 1 hr. G.M.T. 24 October

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	995.1	-12	NW	3	c	43	85	6	5	1	-	4-6	7-8	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8	994.6	-14	N	4	c	44	85	6	-	7	6	0	9	-
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	992.7	-16	NNE	4	c	46	75	6	-	1	-	0	10	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	995.0	-16	NE	3	c	48	85	7	4	2	-	7-8	10	2500
	Cranwell	240	996.3	-20	NNW	2	f	35	95	3	-	7	-	0	10	-
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	993.6	-4	NE	4	c	45	75	6	4	6	-	7-8	10	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	994.7	+4	N'E	4	c	47	85	6	5	1	-	4-6	9	4000
	Scilly (St. Mary's)	163	995.5	+6	NE'N	6	c	50	85	7	8	-	-	9+	9+	4000
	Guernsey	175	992.3	+4	N	3	o	53	95	6	5	-	-	10	10	1500
6	Pembroke	142	996.8	-4	N'E	2	c	45	95	7	-	6	8	0	9	-
7	Holyhead	26	999.7	-8	N	6	c	49	75	8	4	-	-	7-8	7-8	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	995.8	-6	NNW	2	c	40	85	5	5	2	-	4-6	9+	1500
	Tynemouth	67	996.6	-4	NW	2	ir	42	95	7	6	-	-	10	10	1500
11	Inchkeith	190	999.9	0	NNW	3	bc	39	85	8	7	-	-	2-3	2-3	4000
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1006.3	+14	N	6	pr	36	95	6	9	1	-	4-6	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1001.7	+22	NE	7	c	41	85	8	9	1	-	4-6	7-8	1500
16	Lerwick	54	1003.7	+8	N'E	4	bc	36	75	8	5	-	-	2-3	2-3	1500
17	Blacksod Point	18	1005.7	+16	NNW	6	q	46	65	7	3	-	-	4-6	4-6	800
18	Malin Head	52	1003.5	+8	NNE	6	c/pr	43	95	7	3	-	-	7-8	7-8	2500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1002.4	+6	NE	6	q	47	95	8	8	6	1	4-6	7-8	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 24 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)	995.4	+16	N'W	2	m	38	85	4	5	1	-	9+	9+	1500	0	*
	Croydon	995.0	+6	NNW	2	b	38	85	4	-	-	1	0	1	-	0	*
	S. Farnborough	995.9	+6	NW	2	c	35	95	4	5	-	2	2-3	7-8	4000	0	*
	Winchester	999.6	+16	N'W	3	bcf	33	95	3	5	-	1	Tr	4-6	4000	0	*
	Boscombe Down	997.1	+12	NNW	3	c	34	95	5	5	3	-	4-6	7-8	4000	0	*
	Calshot (S'thmtn)	996.1	+14	NNW	4	c	40	85	6	5	5	6	1	9	1500	0	1
	Dungeness	*	*	NNW	3	c	*	*	7	5	1	*	7-8	9	2500	*	2
	Lympne	992.9	+8	N'W	4	c	42	85	6	-	1	-	0	10	-	0	*
2	Shoeburyness	993.9	+4	NNW	3	bc	39	95	5	-	-	6	0	4-6	-	0	*
	Felixstowe	993.8	+4	NW	3	bc	39	85	6	-	-	1	0	2-3	-	0	1
	Gorleston	992.8	-4	NW'N	2	c	40	85	5	5	3	-	4-6	7-8	1500	0	2
	Cranwell	996.0	+2	NW	4	c/f	38	95	4	5	-	-	10	10	800	0	*
3	Cardington	995.6	+6	NNW	3	c	40	85	5	5	-	-	9+	9+	2500	*	*
	Birmingham	998.2	+8	NNW	4	c	38	95	5	5	-	-	9	9	450	0	*
	Upper Heyford	996.8	+4	NNW	3	c	36	95	4	6	-	9	7-8	7-8	2500	0	*
	Leafield	996.3	0	NNW	4	c	38	95	5	5	-	1	7-8	7-8	4000	1	*
4	Ross-on-Wye	998.4	+4	NNW	2	b	38	85	8	1	-	1	Tr	1	4000	0	*
5	Portland Bill	995.8	+12	N	4	c	42	95	5	4	4	8	4-6	7-8	2500	0	3
	Plymouth	998.2	+20	NW	1	bc	43	85	7	7	-	1	2-3	2-3	4000	1	1
	Falmouth	996.7	+6	NE'N	3	c	45	75	6	5	-	-	7-8	7-8	4000	0	2
	Scilly (St. Mary's)	997.4	+10	NE	6	c	51	85	8	8	-	-	7-8	7-8	4000	0	4
	Guernsey	995.0	+20	N	4	c	50	75	6	8	3	8	4-6	9	2500	0	4
6	Pembroke	999.2	+12	NE'N	4	c	46	85	8	-	4	8	0	7-8	-	0	3
7	Holyhead	1001.7	+18	N'E	6	c	46	65	9	4	-	-	7-8	7-8	2500	0	3
	Chester (Sealand)	999.6	+20	N'W	2	bc	37	85	6	8	-	-	4-6	4-6	1500	1	*
8	L'pool (Bidston)	999.3	+14	NNE	3	bc	39	95	7	5	-	8	4-6	4-6	1500	0	*
9	Harrogate	997.3	0	WNW	3	b	35	85	8	4	-	-	Tr	Tr	4000	0	*
10	Spurn Head	993.3	-2	N'W	6	c/pr	43	95	7	3	7	-	2-3	7-8	4000	0	3
	Tynemouth	996.3	0	NW	3	ir	37	95	6	6	-	-	10	10	1500	1	2
11	Inchkeith	1002.7	+24	NNW	3	bc	39	85	8	8	4	-	1	2-3	4000	0	3
	Leuchars	1003.3	+28	N	4	bc	37	85	9	3	4	3	2-3	2-3	2500	1	*
12	Renfrew	1004.7	+18	-	0	bc	35	75	8	5	-	-	2-3	2-3	4000	1	*
	Eskdalemuir	1001.7	+12	N	5	bc	35	85	8	9	-	3	2-3	2-3	1500	6	*
13A	Tiree	1007.0	+18	N	7	bc	40	85	8	8	6	-	2-3	4-6	2500	0	4
13B	Stornoway	1008.7	+6	N	2	bc	34	85	8	9	1	-	4-6	4-6	2500	1	1
15	Dalwhinnie	1006.9	+20	N	1	bc	28	95	8	4	-	-	4-6	4-6	800	1	*
	Aberdeen	1002.9	+18	NNW	4	c	37	75	8	8	-	-	7-8	7-8	2500	1	1
	Wick	1005.7	+12	NNW	6	pr	37	75	8	9	1	8	4-6	9+	1500	1	3
16	Lerwick	1004.0	+2	N'E	3	c	36	75	7	8	-	-	7-8	7-8	1500	1	*
17	Blacksod Point	1008.0	+20	N	7	q	45	65	8	3	-	-	7-8	7-8	450	1	4
18	Malin Head	1006.0	+16	NNE	6	bc/p	44	85	9	3	-	-	4-6	4-6	2500	0	4
	Aldergrove	1005.2	+20	N	2	bc	35	85	8	5	-	-	2-3	2-3	2500	1	*
	Donaghadee	1003.6	+22	NNW	5	q	44	65	8	8	-	8	2-3	4-6	4000	0	3
19	Birr Castle	1005.5	+12	NNW	1	b	31	95	8	-	-	-	0	0	-	0	*
20	Valentia Obsy.†	1005.7	+12	E'N	5	bc	43	75	8	1	-	1	1	2-3	2500	1	2
	Roches Point	1004.0	+10	N	3	bc	39	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 23rd Hrs. (36)
1	London	50	37	38	-	-	0.0
	Croydon	51	38	33	Tr	-	0.1
	S. Farnborough	49	35	27	Tr	-	0.0
	Winchester	48	32	28	-	-	0.2
	Boscombe Down	47	30	27	Tr	-	*
	Calshot (S'thmtn)	51	39	35	Tr	-	0.0
	Dungeness	52	43	*	-	-	*
	Lympne	49	42	40	-	-	1.0
2	Shoeburyness	53	38	36	-	-	0.5
	Felixstowe	54	39	35	-	-	1.3
	Gorleston	51	40	37	-	-	0.0
	Cranwell	48	31	28	-	Tr	5.5
3	Cardington	*	*	*	*	*	*
	Birmingham	46	37	30	-	-	1.7
	Upper Heyford	47	33	29	-	-	*
	Leafield	47	32	27	-	Tr	2.4
4	Ross-on-Wye	47	35	26	-	-	1.7
5	Portland Bill	52	42	*	0.1	-	*
	Plymouth	51	43	39	Tr	-	0.0
	Falmouth	52	45	*	1	Tr	0.0
	Scilly (St. Mary's)	55	49	*	1	0.5	0.0
	Guernsey	56	50	48	-	Tr	0.0
6	Pembroke	50	44	*	-	-	0.3
7	Holyhead	51	46	41	-	-	3.8
	Chester (Sealand)	49	33	27	-	Tr	3.9
8	L'pool (Bidston)	46	38	35	-	-	3.2
9	Harrogate	49	35	27	-	-	7.8
10	Spurn Head	51	42	*	-	Tr	6.3
	Tynemouth	51	36	32	-	1	*
11	Inchkeith	49	35	33	10	2	0.0
	Leuchars	46	34	29	4	4	0.0
12	Renfrew	51	34	24	5	-	0.0
	Eskdalemuir	47	33	27	-	1	2.3
13A	Tiree	50	38	35	0.4	2	2.3
13B	Stornoway	45	33	*	1	6	2.4
15	Dalwhinnie	47	33	15	2	1	3.5
	Aberdeen	50	35	27	-	6	2.5
	Wick	45	42	36	*	2	11	*
16	Lerwick	42	35	*	2	0.6	0.0
17	Blacksod Point	50	44	*	1	2	*
18	Malin Head	50	43	*	3	0.2	0.2
	Aldergrove	48	33	26	0.1	0.1	1.9
	Donaghadee	51	43	*	-	1	*
19	Birr Castle	46	30	20	-	-	0.3
20	Valentia Obsy.†	48	42	38	2	Tr	0.0
	Roches Point	50	39	*	4	5	*

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon (24 hrs. ended 9h.)	Weather Night (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
KEW	18	bc3c3	c3o	c3omw	50	37	33	-	-	0.0	*	*	5
CROYDON	217	c/fmpr	crom	cbm	51	38	33	Tr	-	0.1	*	*	4
GREENWICH (Royal Observatory)	149	cpc	c	cOm	51	37	29	Tr	-	0.3	60	79	4
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
WESTMINSTER (St. James' Park)	27	*	*	*	51	40	35	-	-	0.0	62	68	*
REGENTS PK. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	0.0	*	*	*
CAMDEN SQUARE	110	c	c	*	51	38	34	-	-	*	At 18h.	81	*
KENSINGTON	80	bc	co	*	50	38	30	-	-	0.0	62	74	*
HAMPSTEAD OBSERVATORY	450	bcp	bc	*	49	33	27	Tr	-	0.7	*	81	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

SOUTH KENSINGTON. Max.	Time.	Min.	Time.
1.3	10h 23rd	<0.3	1h-4h 24th

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0.9	11h 23rd	0.1	3h-24th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 23rd October Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 24 October 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	994.7	-	0	rr	52	989.7	NW	2	rr	45	54	45	3	20
BRUSSELS	997.0	ENE	3	c	45	989.2	N	3	c/o	41	54	41	-	10
BERLIN						989.3	E	2	rf	41		39		3
ZURICH						996.0	SW	1	rr	50		46		5
ROME	1011.3	S	2	r	66	1008.5	SE	5	id	68	68	54	5	4

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 25th OCTOBER 1931.

No. 25539

OBSERVATIONS at 13h. G.M.T. 24th 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) ...	999.3	+18	NNW	4	b	48	55	6	1	-	-	Tr.	Tr.	2500
	Croydon ...	998.5	+14	NWN	4	bc	48	45	6	1	-	-	2.3	2.3	2500
	S. Farnborough	999.3	+10	NW	4	b	49	55	6	1	-	-	Tr.	Tr.	2500
	Winchester ...	1000.1	+16	N	5	z	48	55	7	-	-	-	0	0	-
	Boscombe Down	1000.5	+14	N	4	b	46	55	7	-	-	1	0	Tr.	-
	Calshot, S'thmtn	999.9	+18	NW	5	bc	49	55	7	5	-	-	2.3	2.3	2500
	Dungeness ...	*	*	NW	4	c	*	*	6	8	-	*	7.8	7.8	1500
	Lympne ...	997.2	+22	NNW	5	bc	47	65	6	7	-	-	4.6	4.6	2500
2	Shoeburyness	997.7	+24	NW	4	bc	49	55	8	7	-	-	2.3	2.3	4000
	Felixstowe ...	997.0	+18	NWW	4	bc	49	65	8	1	-	-	2.3	2.3	2500
	Gorleston ...	995.7	+14	NNW	4	c	49	85	6	8	-	-	7.8	7.8	2500
	Cranwell ...	999.7	+20	N	5	c/pr	44	85	8	8	-	-	7.8	7.8	1500
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1001.8	+20	N	6	c	44	65	5	5	-	-	9	9	1500
	Upper Heyford	1000.6	+20	N'E	4	bc	45	65	6	1	-	-	4.6	4.6	4000
	Leafield ...	1000.2	+16	NNW	6	bc	44	65	7	1	-	-	4.6	4.6	4000
4	Ross-on-Wye ...	1002.3	+20	N	4	bc	46	65	8	1	-	-	4.6	4.6	4000
5	Portland Bill...	1000.8	+16	N	3	bc	50	85	8	4	-	-	4.6	4.6	2500
	Plymouth ...	1001.7	+16	N	4	b	51	55	8	1	-	1	Tr.	1	4000
	Falmouth ...	1002.2	+2	NNE	6	q	50	65	8	3	-	1	2.3	4.6	4000
	Scilly (St. Mary's)	1002.7	+16	NEN	6	c	51	65	8	2	2	4	4.6	7.8	4000
	Guernsey ...	1000.3	+18	N'W	3	bc	51	65	7	8	-	-	4.6	4.6	2500
6	Pembroke ...	1004.2	+12	NE	4	c	48	95	8	3	3	-	4.6	4.6	2500
7	Holyhead ...	1006.6	+26	NNE	6	c	47	75	8	4	-	-	9	9	2500
	Chester (Sealand)	1004.3	+26	N'E	4	c	46	65	7	7	-	-	7.8	7.8	4000
8	L'pool (Bidston)	1004.2	+16	N	4	bc	46	65	8	1	-	-	2.3	2.3	4000
9	Harrogate ...	1002.9	+26	NNW	5	bc/pr	40	85	8	3	-	-	2.3	2.3	2600
10	Spurn Head ...	997.3	+12	NNE	7	bc/pr	47	85	7	3	4	-	2.3	4.6	4000
	Tynemouth ...	1001.7	+24	NNE	6	bc	45	65	7	2	-	-	4.6	4.6	2500
11	Inchkeith ...	1007.1	+16	N	4	bc	41	65	8	2	8	-	2.3	4.6	4000
	Leuchars ...	1007.8	+18	NNW	3	bc	40	65	9	8	-	-	4.6	4.6	2500
12	Renfrew ...	1008.8	+14	NNW	4	b	43	55	8	1	-	-	1	1	4000
	Eskdalemuir ...	1006.5	+30	N	4	bc	40	45	8	1	-	-	2.3	2.3	2500
13A	Tiree ...	1010.8	+10	NEN	5	bcjp	43	75	9	1	-	8	4.6	4.6	2500
13B	Stornoway ...	1011.7	+4	N	4	bc	39	75	8	8	-	1	4.6	4.6	4000
15	Dalwhinnie ...	1002.0	+12	N	4	c	34	85	8	3	-	-	7.8	7.8	800
	Aberdeen ...	1006.7	+14	NNW	3	c/ph(r)	38	76	8	3	-	-	7.8	7.8	2500
	Wick ...	1006.7	+8	N	6	bc	41	55	8	9	7	3	4.6	4.6	1500
16	Lerwick ...	1005.5	+8	N'E	4	c	41	65	7	9	1	-	4.6	7.8	1500
17	Blacksod Point	1011.0	+16	NNE	6	q	43	75	8	3	-	-	4.6	4.6	800
18	Malin Head ...	1010.8	+10	N	6	bcjp	44	65	8	3	6	1	2.3	4.6	2600
	Aldergrove ...	1002.1	+18	NW	4	bc	45	55	9	7	3	-	2.3	2.3	2500
	Donaghadee ...	1008.5	+14	NE	6	q	46	55	8	8	-	8	2.3	2.3	4000
19	Birr Castle ...	1008.5	+12	NNW	1	bc	47	65	8	1	-	-	4.6	4.6	2500
20	Valentia Obsy.	1009.3	+10	NEN	4	bc	48	65	9	1	-	-	2.3	2.3	2500
	Roches Point...	1007.3	+22	NE	3	bc	47	55	9	5	-	-	2.3	2.3	1500

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

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)	1004.6	+40	N	4	br₀	44	75	5	5	-	-	1	1	2500	0	*
Croydon	1003.1	+24	N	4	c	45	75	5	5	3	-	4.6	7.8	2500	0	*
S. Farnborough	1004.7	+32	N	3	bc	43	75	7	7	-	-	2.3	2.3	2600	0	*
Winchester	1004.9	+36	N	3	c	43	75	7	5	-	-	9	9	4000	0	*
Boscombe Down	1004.9	+28	N'E	4	c	43	85	6	5	-	-	9+	9+	2600	0	*
Calshot, S'thmtn	1004.3	+30	N	4	bc	45	75	7	5	-	-	2.3	2.3	2600	0	2
Dungeness	*	*	NW	2	bc	*	*	7	5	-	*	4.6	4.6	1500	*	1
Lympne	1002.0	+28	N	3	c	40	85	5	5	-	-	7.8	7.8	1500	0	*
Shoeburyness	1003.1	+32	NW	3	b	41	95	8	1	-	-	1	1	4000	0	*
Felixstowe	1002.4	+34	NWN	3	b	43	75	8	5	-	-	1	1	1500	0	3
Gorleston	1000.5	+40	N'E	6	c	46	75	7	8	-	-	7.8	7.8	2500	0	3
Cranwell	1005.7	+32	NNW	4	b	38	85	8	5	3	-	Tr.	Tr.	4000	1	*
Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birmingham	1006.8	+30	NNE	3	c	41	75	5	5	-	-	7.8	7.8	300	0	*
Upper Heyford	1006.4	+36	NE	4	bc	40	75	7	5	-	-	2.3	2.3	2500	0	*
Leafield	1006.0	+26	N	4	bc	39	85	7	5	-	-	4.6	4.6	2500	0	*
Ross-on-Wye	1007.1	+26	NNE	3	b	42	65	6	5	-	-	1	1	4000	0	*
Portland Bill	1004.5	+22	NNE	4	c	46	65	8	4	4	-	4.6	7.8	2500	0	3
Plymouth	1005.5	+24	NE	4	bc	46	75	7	4	-	-	2.3	2.3	4000	0	2
Falmouth	1004.4	+6	NNE	4	bc	46	65	8	4	-	-	2.3	2.3	4000	0	3
Scilly (St. Mary's)	1004.4	+12	NE	6	c	49	75	8	8	-	-	7.8	7.8	2500	0	4
Guernsey	1003.6	+24	N	4	bc	48	65	7	1	3	1	2.3	4.6	2500	0	3
Pembroke	1006.9	+16	NNE	3	b	45	95	8	5	-	-	1	1	2500	0	2
Holyhead	1002.6	+22	N'E	5	bc	45	55	8	4	-	-	4.6	4.6	2500	0	2
Chester (Sealand)	1008.7	+28	N'E	3	b	38	65	6	5	-	-	Tr.	Tr.	4000	0	*
L'pool (Bidston)	1008.5	+20	NNE	4	b	40	65	8	1	-	-	1	1	4000	0	*
Harrogate	1007.8	+34	W	1	b	35	75	8	-	4	-	0	Tr.	-	1	*
Spurn Head	1003.4	+8	NE	6	q	45	75	7	3	4	-	4.6	7.8	2500	0	5
Tynemouth	1006.8	+22	NW	3	bc/pr	37	85	7	9	-	-	4.6	4.6	1500	1	3
Inchkeith	1010.1	+20	NW	3	b	37	85	8	-	8	-	0	1	-	0	2
Leuchars	1002.9	+18	NW	3	bc	35	75	8	1	-	-	2.3	2.3	2500	1	*
Renfrew	1011.6	+16	NNW	2	b	36	65	8	1	-	-	Tr.	Tr.	4000	1	*
Eskdalemuir	1008.9	+10	NNW	4	b	33	75	8	5	-	-	Tr.	Tr.	2600	1	*
Tiree	1013.0	+12	N	4	bcjp	42	65	9	1	-	8	4.6	4.6	2500	0	4
Stornoway	1013.2	+6	-	0	c	35	95	8	9	2	8	2.3	7.8	2500	1	0
Dalwhinnie	1009.1	+12	N	1	c	30	75	6	3	-	-	7.8	7.8	800	0	
Aberdeen	1009.0	+14	NW	3	b/ps	34	95	8	3	-	-	1	1	2500	1	1
Wick	1009.4	+12	NNW	4	c	38	75	8	3	-	8	4.6	7.8	1500	1	3
Lerwick	1007.7	+14	N'E	4	c	36	85	7	9	-	-	7.8	7.8	1500	0	*
Blacksod Point	1013.8	+10	NNE	6	PR	43	85	8	9	-	-	9+	9+	220	1	4
Malin Head	1012.4	+14	N	5	bcjp	44	75	8	8	-	-	4.6	4.6	2500	0	4
Aldergrove	1011.8	+18	NNW	1	b	35	75	9	4	-	-	1	1	2600	1	*
Donaghadee	1010.6	+10	E	5	q	43	65	7	8	-	-	4.6	4.6	4000	0	3
Birr Castle	1010.3	+12	NNE	1	b	40	75	8	-	4	-	0	1	-	0	*
Valentia Obsy.	1011.7	+18	NEN	3	bc	42	75	9	7	-	-	1	2.3	2500	1	2
Roches Point	1010.2	+18	NE	3	bc	45	65	9	5	-	-	2.3	2.3	1500	0	2

PAST 24 HOURS. WEATHER.

Stations	7h.–13h. 24th (37)	13h.–18h. 24th (38)	18h. 24th to 1h. 25th (39)	1h.–7h. 25th (40)
London (Kew)	bz₀y	cz₀ybpc	bz₀bx	bx
Croydon	bccmm	b,cz₀y	bcbm₀	bm₀x
S. Farnborough	bcmby	bbcz₀yc	bx m₀	bxm₀
Winchester	fbcm₀by	bybcc	cb	bz₀x
Boscombe Down	cm₀by	bycm₀	cm₀bm₀	bm₀x
Calshot, S'thmtn	bm₀	by,cy	bbw	bxm₀
Dungeness	bc	bc	*	bc
Lympne	bbcz₀	bcm₀	bcbm₀w	bwxcm₀
Shoeburyness	bcmb	b	b	bm₀x
Felixstowe	bcbmyc	bc	b	bm₀x
Gorleston	cqpr₀	cprq	cprh₀bc	bcpr₀
Cranwell	cmbcpr	cbrb	bbx	bxb x
Cardington	*	*	*	bm₀x
Birmingham	occ	cbc	bcb	bx
Upper Heyford	or₀bm	cm₀b	bw	bxm₀
Leafield	cbc	bc	bx	bx
Ross-on-Wye	bbcb	cbccb	bz₀bx	bx
Portland Bill	cbc	bcc	b	bbc
Plymouth	by	byvbc	bcb	b
Falmouth	bcq	bcq	bcq	bcq
Scilly (St. Mary's)	cbcc	cbcc	cbc	bcc
Guernsey	cbcc	bc	bccoq	ocbcq
Pembroke	cq	bcq	bc	bc
Holyhead	bcc	cbc	bccbc	bc
Chester (Sealand)	bc	bcb	b	bx
L'pool (Bidston)	bcvbc	bcb	bx	bxv
Harrogate	bbccP	b	b	bx
Spurn Head	cprq	cprq	cqpr	cpr
Tynemouth	oirbcq	bcpoq	bccps₀	c
Inchkeith	bc	bcb	bbc	ccb
Leuchars	bcv	bcbvy	bx	bxv
Renfrew	bby	byb	bx	bx
Eskdalemuir	bbcy	bcyby	b	bx
Tiree	bcpr₀	bcpq	bcpr₀	bcph₀
Stornoway	bcPS	cpr₀	bcPS	bcps
Dalwhinnie	c	c		bc
Aberdeen	bcqpsph	bcphps	bcprs	bcps₀
Wick	cprbc	cpq	cphr	bcpsh
Lerwick	pc	c	cbcps₀	rcps
Blacksod Point	prcq	prcq	prcq	prc
Malin Head	bcqphr	bcphr	bcphr₀bbcc	cbhrc
Aldergrove	bc	bcb	bx	bx
Donaghadee	bcq	bcq	bcq	bc
Birr Castle	bbc	bcb	bx	bx
Valentia Obsy.	bcbbcx	bcvb	b	bx
Roches Point	bcv9y	bcv	bcxb	bbcx

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

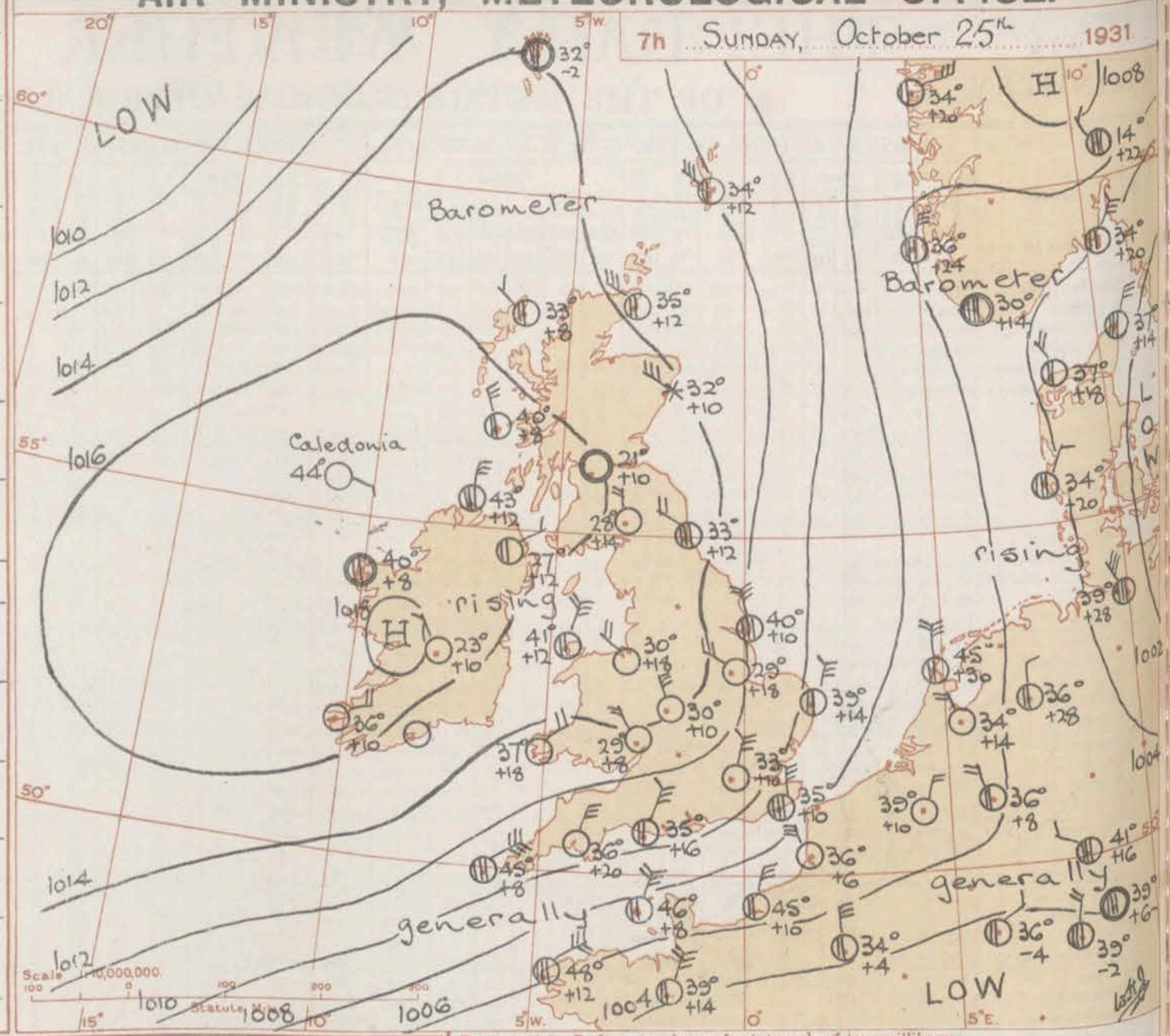
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 24th October 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 23rd to 9h. 24th	Temperature. Max. 9h.—17h. 24th	Rainfall. Night. 17h. 23rd to 9h. 24th	Rainfall. Day. 9h.—17h. 24th	Sunshine. Sunrise to Sunset 24th
1	Tunbridge W.	bbc	bcb	38	48	–	–	6.2
	Bournemouth	b	b	36	50	–	–	7.5
	Ventnor ...	xbcf	cbcf	40	50	–	–	6.3
	Southsea ...	b	b	39	50	–	–	7.4
	Bognor Regis	b	b	39	50	–	–	7.3
	Littlehampton	bc	bc	38	51	–	–	7.2
	Worthing ...	b	b	39	50	–	–	6.6
	Brighton ...	b	bbc	40	51	–	–	6.0
	Eastbourne†	bcb	bbcbm	41	51	–	–	5.7
	Hastings† ...	mbcb	b	41	50	–	–	6.3
	Folkestone ...	bcbm	bbc	43	50	–	–	6.2
	Dover... ...	mbbc	bc	45	50	–	–	6.9
	Deal	b	b	45	50	–	–	5.9
	Ramsgate ...	cbcb	b	45	51	–	–	6.7
	Margate ...	bc	bc	44	49	–	–	7.0
2	Southend ...	bcfbm	bm	37	50	–	–	7.6
	Maldon ...	mb	bbc	37	48	–	–	6.9
	Clacton-on-Sea	bc	bcpbc	38	49	–	0.1	7.5
	Dovercourt ...	bcm	mbcp	39	50	–	Trace	4.7
	Lowestoft ...	bbc	bccp	38	48	–	0.2	3.5
	Skegness ...	bcm,r	obcro	31	49	–	3	6.1
	Mablethorpe	bccp	cp	33	52	–	1	4.4
	Cleethorpes ...	bmc	crHc	34	47	–	0.6	5.6
3	Leamington S.	bbc	bcco	33	47	–	–	4.2
4	Cheltenham†	bfobc	bcco	33	47	Trace	–	4.7
5	Bath	b	bbcc	36	48	–	–	7.0
	Weymouth ...	b	by	38	52	–	–	8.2
	Jersey ...	rcbc	bc	50	54	3	–	5.3
	Torquay ...	wbcb	bfwy	40	52	–	–	9.1
	Penzance ...	b	b	47	50	0.2	–	7.6
	St. Ives ...	b	b	48	51	–	–	4.4
	Bude	bcb	bbcc	43	51	–	–	9.2
	Ilfracombe ...	b	b	46	51	–	–	7.9
6	Aberystwyth	cbcbc	bc	40	50	–	–	8.5
7	Llandudno ...	c	cbc	39	47	–	–	2.0
	Colwyn Bay...	cbc	bccbc	43	47	–	–	1.1
	Rhyl	c	bc	36	48	–	–	3.7
8	Wallasey ...	bcbc	b	37	48	–	–	7.2
	Southport‖ ...	bc	cb	36	47	–	–	7.1
	Blackpool ...	cbc	bc	37	47	–	–	7.1
	Morecambe ...	bbc	bbc	33	46	–	–	7.5
9	Ilkley... ...	xbccp	bcb	31	50	Trace	Trace	5.0
10	Berwick-on-T.	cR	rsc	38	44	13	1	2.7
11	Dunbar ...	crrbc	bc	42	43	14	–	4.6
12	Douglas ...	bc	bc	38	46	–	–	8.4

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



Barometer. Isobars are drawn for intervals of two millibars.
Wind. Arrows fly with the wind. Number of feathers indicate Beaufort force. Calm. - ⊙
Temperature is given in degrees F.
Weather Symbols :—
○ Clear sky. ◐ Sky less than 1/10 clouded. ◐ Sky 1/10 to 1/10 clouded. ◐ Sky 1/10 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.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 25th Oct, 1931.

Districts.	Forecasts
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Wind northerly, moderate to light; fine; apart from a few local showers of rain, sleet or snow near the east coast; cold, sharp night frost.
5. S.W. England 6. South Wales	Wind northeast, fresh to moderate; fine; cold; night frost.
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	As 1 -4.
13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Wind northwest light, backing west or southwest tomorrow and freshening; variable skies with local showers of snow or sleet at first; probably deteriorating tomorrow with some snow; cold; frost at night.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland	Light variable winds; becoming southwest later in the North; fine at first, but cloud increasing tomorrow with some rain or drizzle; cold; night frost; then milder.
20. S.W. Ireland	Light variable wind; fine; cold; sharp night frost.

GENERAL INFERENCE.

A small anticyclone off Northwest Ireland is moving southeast, while a new and vigorous depression approaching Iceland will move east. Weather will be generally fine and cold, except for wintry showers near the east coast. Conditions will probably deteriorate in the North later, and snow is likely especially in North Scotland.

FURTHER OUTLOOK.

None issued.

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 25th OCTOBER 1931.

No. 25539

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

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	1009.1	+6	N'E	3	b	36	85	5	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1008.8	+14	N	3	b	38	75	7	-	-	-	0	0	-
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1006.8	+20	N'W	4	b	35	95	6	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1006.1	+18	NW'N	3	bc	40	85	7	3	-	-	4-6	4-6	2500
	Cranwell	240	1009.9	+10	NW'N	5	b	32	85	7	-	-	-	0	0	-
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1008.3	+14	NNE	4	b	40	65	8	-	-	-	0	0	-
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1008.5	+6	NNE	4	q	41	75	8	8	-	-	2-3	2-3	4000
	Scilly (St. Mary's)	163	1008.7	+10	E'N	6	bc	45	75	7	2	-	-	4-6	4-6	4000
	Guernsey	175	1006.3	+12	NNE	6	q	48	75	8	8	-	-	10	10	2500
6	Pembroke	142	1011.8	+20	ENE	2	bc	39	95	8	-	6	-	0	2-3	-
7	Holyhead	26	1012.7	+16	NE'N	4	bc	45	55	8	4	-	-	4-6	4-6	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1007.5	+10	NW'N	5	pr	38	95	7	3	4	-	4-6	7-8	4000
	Tynemouth	87	1010.8	+12	NNW	3	c/ps.	35	85	6	6	-	-	7-8	7-8	1500
11	Inchkeith	190	1013.4	+10	NNW	3	bc	36	75	8	-	4	-	0	2-3	-
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1014.7	+12	NNW	1	bc	33	95	8	8	1	-	4-6	7-8	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1011.8	+14	W	3	bc	32	95	8	8	7	-	4-6	4-6	1500
16	Lerwick	54	1010.0	+12	NW	3	bc/ps.	36	85	7	8	-	-	4-6	4-6	1500
17	Blacksod Point	18	1016.1	+10	NNE	3	c	42	75	7	-	5	-	0	7-8	-
18	Malin Head	52	1014.9	+10	N	4	c/p	44	75	8	2	-	-	7-8	7-8	2500
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1014.5	+10	NE	5	b	47	95	8	5	-	-	1	1	2500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 25th 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)	1011.6	+14	NE	2	b	33	85	7	7	-	-	Tr.	Tr.	1500	0	*
	Croydon	1010.9	+10	N'E	3	b	33	85	6	5	-	-	1	1	800	0	*
	S. Farnborough	1011.6	+10	N'W	1	b	25	95	6	-	-	-	0	0	-	0	*
	Winchester	1011.4	+12	N	4	b	31	85	6	-	-	-	0	0	-	0	*
	Boscombe Down	1011.9	+16	N'E	3	b	28	95	6	-	-	-	0	0	-	0	*
	Calshot, (S'thmtn)	1010.7	+10	N'W	4	b	33	85	6	5	-	-	Tr.	Tr.	2500	0	2
	Dungeness	*	*	N	2	c	*	*	6	5	1	*	4.6	7.8	1500	*	1
	Lympne	1008.6	+10	N	4	c	35	95	6	5	-	-	9	9	450	0	*
2	Shoeburyness	1010.1	+16	NNW	3	b	32	95	6	-	-	-	0	0	-	0	*
	Felixstowe	1009.8	+14	NW	3	b	33	95	6	1	-	-	1	1	2500	0	1
	Gorleston	1009.2	+14	NNE	4	bc	39	75	6	8	-	-	4.6	4.6	2500	1	3
	Cranwell	1012.9	+18	NW	3	b	29	95	7	8	-	-	1	1	4000	0	*
3	Cardington	1011.2	+10	NNW	3	bc	30	85	6	4	-	-	2-3	2-3	5700	*	*
	Birmingham	1013.7	+10	NNW	3	b	30	85	6	-	-	-	0	0	-	0	*
	Upper Heyford	1012.7	+20	N	3	b	28	95	6	-	-	-	0	0	-	0	*
	Leafield	1012.2	+8	N	4	b	28	85	6	-	-	-	0	0	-	4	*
4	Ross-on-Wye	1013.8	+8	N'W	2	b	29	85	8	-	-	-	0	0	-	4	*
5	Portland Bill	1010.6	+16	NNE	4	bc	35	85	7	4	-	-	2-3	2-3	2500	0	3
	Plymouth	1011.5	+20	N'E	3	b	36	85	8	-	-	-	0	0	-	0	1
	Falmouth	1010.4	+4	NE'N	5	q	37	85	8	8	-	-	2-3	2-3	4000	0	3
	Scilly (St. Mary's)	1010.7	+8	NE	6	c	45	75	8	8	1	-	4.6	7.8	4000	0	4
	Guernsey	1007.7	+8	NNE	5	q	46	75	8	7	-	-	4.6	4.6	2500	0	4
6	Pembroke	1013.0	+18	NE	2	b	37	95	8	-	6	-	0	1	-	0	2
7	Holyhead	1014.4	+12	NNE	5	c	44	65	9	4	-	-	7.8	7.8	2500	0	2
	Chester (Sealand)	1015.3	+18	NW'W	2	b	30	85	7	5	-	-	1	1	4000	4	*
8	L'pool (Bidston)	1015.2	+14	NE'E	2	b	33	75	7	4	-	-	1	1	4000	0	*
9	Harrogate	1014.3	+10	NNW	3	b	33	85	8	1	-	-	Tr.	Tr.	2500	1	*
10	Spurn Head	1010.3	+10	N'W	5	c/pr	40	95	7	3	7	-	4.6	7.8	2500	1	4
	Tynemouth	1014.7	+12	NW	2	c	33	85	7	6	-	-	7.8	7.8	1500	4	2
11	Inchkeith	1015.4	+16	WNW	3	b	35	75	8	-	3	-	0	1	-	0	2
	Leuchars	1015.6	+10	W	2	b	27	85	9	1	-	-	Tr.	Tr.	2500	4	*
12	Renfrew	1017.1	+10	-	0	b	21	95	8	-	-	-	0	0	-	4	*
	Eskdalemuir	1015.9	+14	N	2	b	28	75	8	-	-	-	0	0	-	4	*
13A	Tiree	1016.6	+8	NNW	3	bc	40	75	9	7	6	-	2-3	2-3	2500	1	2
13B	Stornoway	1014.9	+8	NW	1	bc	33	95	9	8	6	-	2-3	4-6	2500	1	0
15	Dalwhinnie	1014.7	+12	-	0	bc	14	95	8	4	-	-	4.6	4.6	800	0	*
	Aberdeen	1014.5	+10	WNW	3	95	32	95	5	9	-	-	9+	9+	800	8	1
	Wick	1013.7	+12	NNW	3	bc	35	85	8	3	8	-	4.6	4.6	1500	1	3
16	Lerwick	1012.2	+12	NW	3	bc	34	95	8	8	-	-	4.6	4.6	1500	6	*
17	Blacksod Point	1017.4	+8	-	0	bc	40	85	9	5	-	-	2-3	2-3	800	0	1
18	Malin Head	1016.6	+12	NNE	3	c	43	85	9	1	-	-	7.8	7.8	2500	0	2
	Aldergrove	1017.1	+12	ENE	1	bc	27	95	9	5	-	-	2-3	2-3	2500	1	*
	Donaghadee	1016.0	+8	ENE	3	bc	42	55	8	8	-	-	2-3	2-3	4000	0	2
19	Birr Castle	1018.0	+10	NNW	1	b	23	95	8	-	-	-	0	0	-	0	*
20	Valentia Obsy.†	1017.2	+10	ENE	2	b	36	75	9	-	-	-	0	0	-	0	1
	Roches Point	1015.5	+8	N	3	bc	36	85	8	5	-	-	2-3	2-3	1500	0	2

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 24 Hrs. (36)
1	London (Kew)	48	32	23	Tr.	-	5.2
	Croydon	49	33	27	-	-	3.5
	S. Farnborough	49	25	13	-	Tr.	5.5
	Winchester	48	29	26	-	-	5.7
	Boscombe Down	47	26	18	-	-	*
	Calshot, (S'thmtn)	50	32	28	-	-	7.2
	Dungeness	51	30	*	-	-	*
	Lympne	48	33	31	-	-	7.0
2	Shoeburyness	50	30	28	-	-	7.3
	Felixstowe	49	32	28	-	-	5.6
	Gorleston	50	36	34	0.6	0.6	5.1
	Cranwell	47	29	27	0.1	Tr.	6.8
3	Cardington	*	*	*	*	*	*
	Birmingham	45	29	22	-	-	4.6
	Upper Heyford	45	28	26	Tr.	Tr.	*
	Leafield	45	27	24	-	-	5.1
4	Ross-on-Wye	47	29	20	-	-	6.0
5	Portland Bill	51	35	*	-	-	*
	Plymouth	51	36	33	-	-	8.5
	Falmouth	50	37	*	-	-	8.2
	Scilly (St. Mary's)	52	44	*	-	-	5.7
	Guernsey	58	46	43	-	-	7.1
6	Pembroke	49	36	*	-	-	8.2
7	Holyhead	48	43	36	-	-	3.1
	Chester (Sealand)	47	24	16	-	-	4.0
8	L'pool (Bidston)	47	32	28	-	-	7.4
9	Harrogate	43	33	27	1	-	5.7
10	Spurn Head	47	37	*	0.4	3	5.2
	Tynemouth	46	32	26	3	3	*
11	Inchkeith	42	34	28	-	-	8.3
	Leuchars	44	27	17	-	-	8.1
12	Renfrew	44	20	11	-	-	8.5
	Eskdalemuir	41	27	19	-	-	8.4
13A	Tiree	43	35	29	0.1	0.4	5.3
13B	Stornoway	42	39	*	0.2	0.5	5.1
15	Dalwhinnie	35	46 (44)	10	-	-	0.3
	Aberdeen	42	30	25	2	1	5.5
	Wick	41	31	*	1	0.3	*
16	Lerwick	41	35	*	-	0.5	3.7
17	Blacksod Point	47	36	*	1	1	*
18	Malin Head	45	40	*	1	0.3	5.9
	Aldergrove	45	24	16	-	-	8.9
	Donaghadee	46	41	*	-	-	*
19	Birr Castle	48	23	12	-	-	7.2
20	Valentia Obsy.†	49	35	27	-	Tr.	8.5
	Roches Point	50	34	*	-	-	*

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	b3oy	e3oy bpo	b3bx	48	32	23	Tr.	-	5.2	*	*	5
Croydon	217	bcempo	bc3oy	bcbmx	49	33	27	-	-	3.5	*	*	5
Greenwich (Royal Observatory)	149	bay	cip	bx	49	31	23	Tr.	Tr.	3.4	57	81	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	7.9	*	*	*
Westminster (St. James' Park)	27	*	*	*	51	35	30	-	-	7.4	54	74	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	5.9	*	*	*
Camden Square	110	bc	bcc	*	50	32	28	-	-	*	At 18h. 83		*
Kensington	80	bco	bc	*	49	33	25	-	-	4.3	75	75	*
Hampstead Observatory	450	bcb	bc	bc	47	28	24	Tr.	Tr.	5.7	*	81	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.
1.1	9h 24th	Nil	2-7h 25th

Kew Observatory Max.	Time.	Min.	Time.
0.5	8h. 24th	0.1	4h. 25th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 24th October Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 25th October 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	1001.4	WNW	2	c	45	005.3	N	3	bc	36	52	36	2	-
Brussels	998.7	WNW	3	b	43	006.3	NNE	2	b	39	50	34	0.6	-
Berlin	987.1	NW	3	o/d	43	000.5	WNW	3	c	41	48	39	6	0.1
Zürich	997.5	W	2	ir	57	001.5	N	3	o	41	64	41	2	7
Rome	1006.2	WNW	5	c	68	003.5	E	1	id.	66	73	63	Tr	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.

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 26th October 1931.

No. 25540

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

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)...	1012·8	0	NNE	4	bc	46	65	6	7	-	-	2·3	2·3	1500
	Croydon ...	1012·3	-2	N'E	4	bc	45	65	6	1	-	-	4·6	4·6	2500
	S. Farnborough	1012·8	0	N	4	bc	47	65	7	1	-	-	2·3	2·3	2500
	Winchester ...	1012·8	+2	NNE	4	bc	46	65	7	1	-	-	2·3	2·3	4000
	Boscombe Down	1013·1	+2	N'E	5	b	44	65	7	1	-	-	1	1	4000
	Calshot, S'thmtn	1012·3	+2	N'E	4	b	48	55	6	5	-	-	1	1	2500
	Dungeness ...	*	*	NE	5	ir	*	*	7	3	-	*	7·8	7·8	1500
	Lympne ...	1009·9	-2	N'E	6	bc	47	55	7	8	-	-	4·6	4·6	2500
2	Shoeburyness	1011·9	+6	N'W	4	bc	48	75	8	7	-	-	2·3	2·3	2500
	Felixstowe ...	1012·4	+10	N'W	4	bc	50	45	8	7	-	-	4·6	4·6	2500
	Gorleston ...	1012·2	+12	NNE	5	bc	48	75	7	7	-	-	4·6	4·6	2500
	Cranwell ...	1015·1	+6	N	4	bc	45	65	7	1	-	-	2·3	2·3	2500
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1015·0	+8	NNE	4	bc	43	55	6	2	-	-	2·3	2·3	2500
	Upper Heyford	1014·4	+6	NE'N	4	c	45	65	7	8	-	-	7·8	7·8	2500
	Leafield ...	1014·2	+8	N'E	4	bc	43	65	8	7	-	-	2·3	2·3	4000
4	Ross-on-Wye ...	1015·3	+8	NE	3	bc	43	65	7	1	-	-	4·6	4·6	4000
5	Portland Bill...	1012·0	+6	NNE	4	bc	47	55	8	1	-	-	2·3	2·3	2500
	Plymouth ...	1013·2	+2	NNE	6	b	47	55	9	1	-	-	Tr.	Tr.	4000
	Falmouth ...	1013·6	+4	N'E	4	q	47	55	8	1	-	-	2·3	2·3	4000
	Scilly (St. Mary's)	1014·2	+8	NE'N	5	bc	48	65	8	1	-	-	2·3	2·3	4000
	Guernsey ...	1010·3	+4	N'E	5	bc	48	75	8	8	-	-	4·6	4·6	2500
6	Pembroke ...	1016·3	+16	NNE	2	bc	46	75	8	7	4	1	2·3	2·3	1500
7	Holyhead ...	1017·3	+8	NE'N	4	bc	45	55	9	1	-	-	2·3	2·3	4000
	Chester (Sealand)	1017·3	+6	NNW	2	bc	44	55	6	5	-	-	2·3	2·3	4000
8	L'pool (Bidston)	1017·4	+6	N	2	b	42	55	8	1	-	8	Tr.	1	4000
9	Harrogate ...	1016·5	+6	N	3	b	42	55	7	1	-	-	Tr.	Tr.	4000
10	Spurn Head ...	1013·7	+6	N'E	5	bc	46	65	7	2	4	-	2·3	4·6	4000
	Tynemouth ...	1016·3	+12	NNW	3	bc	42	65	7	2	-	-	2·3	2·3	2500
11	Inchkeith ...	1018·2	+18	NNW	3	bc	41	75	8	7	3	-	1	2·3	4000
	Leuchars ...	1017·6	+6	NW	3	b	43	55	8	1	-	-	1	1	2500
12	Renfrew ...	1019·4	+6	WNW	1	b	46	45	8	1	-	-	Tr.	Tr.	4000
	Eskdalemuir ...	1018·1	+12	N	4	b	39	45	8	-	-	-	0	0	-
13a	Tiree	1018·7	+6	-	0	c	45	65	9	5	1	-	9	9+	4000
13B	Stornoway ...	1017·2	0	NW	2	bc	47	55	9	7	6	-	2·3	4·6	2500
15	Dalwhinnie ...	1018·9	+8	N	2	bc	37	95	8	-4	4	-	0	4·6	-3
	Aberdeen ...	1017·3	+14	NW	4	b/ps	38	75	8	8	-	-	1	1	2500
	Wick	1017·1	+10	WNW	3	bc	41	65	8	2	4	-	4·6	4·6	1500
16	Lerwick ...	1015·1	+6	NW	2	bc	41	65	8	8	3	-	4·6	4·6	1500
17	Blacksod Point	1019·7	+12	E	1	bc	50	55	9	2	-	-	2·3	2·3	4000
18	Malin Head ...	1019·3	+6	NE	2	c/pr	44	85	9	8	6	-	4·6	7·8	2500
	Aldergrove ...	1019·2	+6	NNW	2	bc	45	65	9	4	-	-	4·6	4·6	2500
	Donaghadee ...	1018·9	+8	ENE	2	bc	46	55	8	8	3	-	2·3	4·6	4000
19	Birr Castle ...	1019·2	+6	NNW	1	b	44	75	8	-	4	-	0	1	-
20	Valentia Obsy.	1019·9	+6	NE'E	3	b	46	55	9	1	-	-	Tr.	Tr.	4000
	Roches Point...	1019·1	+6	N	3	bc	47	75	9	5	-	-	2·3	2·3	1500

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

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1016·9	+26	NNE	3	b	42	75	5	-	-	-	0	0	-	0	*
	Croydon ...	1016·3	+30	N'E	4	b	42	65	4	-	-	-	0	0	-	0	*
	S. Farnborough	1016·8	+28	N'E	2	b	40	75	7	8	-	-	Tr.	Tr.	2500	0	*
	Winchester ...	1017·2	+34	N	3	b	39	75	7	5	-	-	1	1	4000	0	*
	Boscombe Down	1017·2	+30	N'E	3	b	36	85	7	-	-	-	0	0	-	0	*
	Calshot, S'thmtn	1016·0	+30	N	4	b	43	65	7	1	-	-	1	1	2500	0	2
	Dungeness ...	*	*	NE	5	c	*	*	7	9	-	*	7·8	7·8	1500	*	3
	Lympne ...	1014·0	+18	NNE	4	bc	39	85	8	5	-	-	4·6	4·6	2500	1	*
2	Shoeburyness	1015·9	+24	N	3	b	38	85	8	2	-	-	1	1	4000	0	*
	Felixstowe ...	1015·7	+26	NNW	3	b	39	75	8	1	-	-	Tr.	Tr.	2500	0	2
	Gorleston ...	1015·4	+16	N	3	bc	44	75	7	7	-	-	4·6	4·6	2500	0	3
	Cranwell ...	1018·6	+20	NW'N	3	b	35	95	7	4	-	-	Tr.	Tr.	4000	0	*
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1019·1	+24	NNE	3	b	39	65	4	-	-	-	0	0	-	0	*
	Upper Heyford	1018·7	+26	NE'N	3	b	37	75	8	-	-	-	0	0	-	0	*
	Leafield ...	1018·5	+16	NNE	3	b	35	75	8	-	-	8	0	1	-	0	*
4	Ross-on-Wye ...	1018·8	+26	N	2	b	39	65	5	-	-	-	0	0	-	0	*
5	Portland Bill...	1015·8	+16	NNE	4	b	44	65	8	-	-	-	0	0	-	0	3
	Plymouth ...	1017·1	+22	-	0	b	42	75	7	-	-	-	0	0	-	0	0
	Falmouth ...	1016·9	+22	NNE	4	bc	45	65	8	7	-	-	2·3	2·3	4000	0	2
	Scilly (St. Mary's)	1018·0	+20	NE	5	bc	45	65	8	1	-	-	2·3	2·3	4000	0	4
	Guernsey ...	1013·7	+28	N'E	5	c	49	65	6	8	-	-	7·8	7·8	2500	0	4
6	Pembroke ...	1018·7	+20	NE	2	bc	42	75	8	7	6	1	2·3	4·6	800	0	1
7	Holyhead ...	1020·1	+18	NE	4	b	44	55	9	4	-	-	1	1	4000	0	2
	Chester (Sealand)	1020·3	+22	N	2	b	35	65	6	-	-	-	0	0	-	0	*
8	L'pool (Bidston)	1020·3	+20	N'E	3	bc	39	65	8	1	-	8	1	2·3	4000	0	*
9	Harrogate ...	1020·0	+14	N	1	b	34	75	7	7	-	-	Tr.	Tr.	4000	0	*
10	Spurn Head ...	1016·8	+10	N'E	5	bc/pr	43	85	7	3	4	-	2·3	4·6	4000	1	5
	Tynemouth ...	1019·1	+16	NW	2	bc	37	75	6	2	-	-	4·6	4·6	2500	0	2
11	Inchkeith ...	1020·5	+16	NNW	2	bc	40	75	8	-	3	-	0	2·3	-	0	2
	Leuchars ...	1020·2	+22	-	0	b	30	85	8	1	-	-	1	1	2500	0	*
12	Renfrew ...	1021·2	+16	WNW	1	b	33	75	5	5	-	-	1	1	4000	1	*
	Eskdalemuir ...	1021·8	+24	NNW	2	b	28	65	8	-	-	-	0	0	-	4	*
13a	Tiree	1019·0	+2	S'W	3	c	42	95	9	5	7	-	7·8	9	2500	1	1
13B	Stornoway ...	1017·1	0	SSW	3	c	42	95	8	9	7	-	4·6	7·8	2500	1	2
15	Dalwhinnie ...	1020·0	+6	-	0	c	28	85	6	5	-	-	7·8	7·8	800	0	*
	Aberdeen ...	1020·0	+20	W	2	b	34	85	8	-	-	-	0	0	-	1	1
	Wick	1018·5	+8	WSW	2	bc	34	95	8	3	8	1	2·3	4·6	2500	0	3
16	Lerwick ...	1017·1	+6	NW	1	bc	36	65	8	8	-	-	4·6	4·6	1500	0	*
17	Blacksod Point	1021·6	+8	-	0	b	40	85	9	1	-	-	1	1	4000	0	1
18	Malin Head ...	1020·4	+8	W	3	c	46	75	8	8	6	-	7·8	9+	2500	0	23
	Aldergrove ...	1021·8	+22	-	0	c	36	75	9	5	-	1	7·8	7·8	4000	1	*
	Donaghadee ...	1020·8	+10	N'E	1	b	44	65	7	7	-	-	1	1	4000	0	0
19	Birr Castle ...	1021·4	+18	NNW	1	b	37	85	8	-	-	-	0	0	-	0	*
20	Valentia Obsy.	1021·8	+18	NE	2	b	40	75	9	1	-	-	Tr.	Tr.	4000	0	1
	Roches Point...	1021·7	+18	NE	2	b	42	55	8	5	-	-	1	1	2500	0	2

PAST 24 HOURS.

Stations.	Weather. 7h.–13h. 25th (37)	13h.–18h. 25th (38)	18h. 25th to 1h. 26th (39)	1h.–7h. 26th (40)
London (Kew)...	bz₀	bcp₀bz₀	bz₀bm₀x	bm₀x
Croydon ...	bm bcm₀	bcz₀ybz	bm₀	bm₀x
S. Farnborough	bx bbc	bcp₀b	b bx	bxm₀
Winchester ...	b	bcb	bcbx	bxm₀
Boscombe Down	bm₀x b	b	bm₀x	bxm₀
Calshot, S'thmtn	bxm₀	by z₀q	bw	bxm₀
Dungeness ...	pr	pr	*	o
Lympne ...	bm₀bc	pr bc	pr₀bcb	b bxm₀
Shoeburyness	bm₀bc	bcb	bx	bx
Felixstowe ...	bm xbcy	bcy vb	b	bx
Gorleston ...	bc p₀rq	bc p₀rq	bcpr₀q	bcpr₀
Cranwell ...	bm₀z₀	bbcb	bm₀x	bm₀x
Cardington ...	*	*	bx	bbcxm₀
Birmingham ...	b	b	b	bmx
Upper Heyford	bm bc	bcb	bx	bx
Leafield ...	b bc	bc	bx	bx
Ross-on-Wye ...	b bc	bcbz	bz₀	bm₀x
Portland Bill...	bc	bcb	b	b
Plymouth ...	bvy	bvy	b	bx
Falmouth ...	bcq	bcq	bcz₀	bcz₀
Scilly (St. Mary's)	cbc	bc	bcb	bbc
Guernsey ...	bcc bc	bcc	cbc	bc
Pembroke ...	bc	bc	bc	bc
Holyhead ...	bc	bc by	by bcb	bx
Chester (Sealand)	b z	by z₀	bz₀	bm₀x
L'pool (Bidston)	bxb by	by b	b	b bx
Harrogate ...	b	b	b	bx
Spurn Head ...	cq prq	bcq pr	cqpr	prc
Tynemouth ...	cbc	bc	bc	bcc
Inchkeith ...	b pc	bc	bcc	cbc
Leuchars ...	bx bvy	bvy bx	bx	bbcxm₀
Renfrew ...	bx b by	by bz₀	bz₀cm₀	cbcff
Eskdalemuir ...	bx by	by bx	bxcx	cx
Tiree	bccv	cvir₀	cr₀bc	c
Stornoway ...	bc	bcc	or₀r,c	c
Dalwhinnie ...	bc	c		bc
Aberdeen ...	csbcp₀s	b	bx	bbcx
Wick	bc	bc	bcc	cr₀rbc
Lerwick ...	bc	bc	bcc	corrm₀
Blacksod Point	bc	bc	b	bc
Malin Head ...	cbcvcpr	cbcc	cprbcb	bbc
Aldergrove ...	bx cb	bc	bc	bcbx
Donaghadee ...	bc	bcb	cbc	bcb
Birr Castle ...	b	b	bx	bx
Valentia Obsy.	bx bvy	bvy b	bbx	bx
Roches Point...	bcv	bcvby	bybx	bbcx

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, " less than 220 yds.
f₀, fog over sea (coast station).
f', fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
ip, 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.

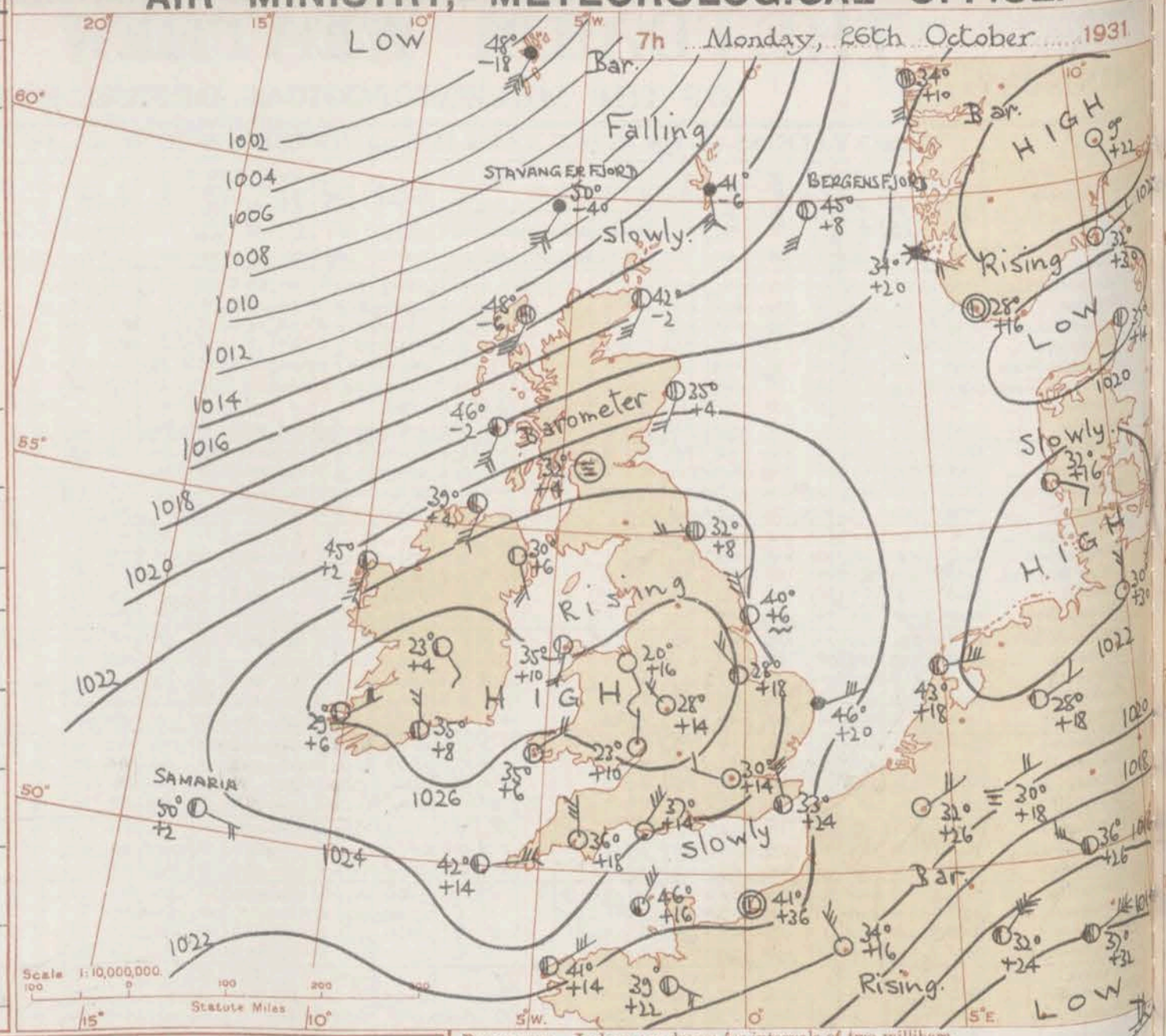
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for Sunday, 25th October, 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 24th to 9h. 25th	Temperature. Max. 9h.—17h. 25th	Rainfall. Night. 17h. 24th to 9h. 25th	Rainfall. Day. 9h.—17h. 25th	Sunshine. Sunrise to Sunset 25th
1	Tunbridge W.	b	bbeb	31	49	-	-	8·1
	Bournemouth	b	b	29	48	-	-	9·3
	Ventnor ...	x b3	be	33	49	-	-	7·7
	Southsea ...	b	b	34	50	-	-	9·1
	Bognor Regis	b	b	33	48	-	-	8·7
	Littlehampton	b	b	31	48	-	-	9·1
	Worthing ...	b	b	32	49	-	-	8·6
	Brighton ...	b	b	34	50	-	-	8·8
	Eastbourne†	b	bbeb	33	50	-	-	8·5
	Hastings† ...	b	bbeb	33	49	-	-	8·0
	Folkestone ...	bbe	bep	36	49	-	3	6·0
	Dover... ...	beerhq	beerhq	37	50	-	2	5·3
	Deal	bepbe	pbeor	37	50	-	2	4·6
	Ramsgate ...	be	bepps	41	49	-	3	5·9
	Margate ...	be	bep	42	49	-	Trace	6·3
2	Southend ...	b3	b	32	49	Trace	-	8·2
	Maldon ...	xb	b	34	48	-	-	8·2
	Clacton-on-Sea	be	be	33	49	-	-	8·3
	Dovercourt ...	xb	be	34	51	-	-	8·0
	Lowestoft ...	bep	bbep	33	47	2	1	6·1
	Skegness ...	berb	bepo	37	47	2	1	6·4
	Mablethorpe	cbe	bep.	33	47	5	Trace	5·8
	Cleethorpes ...	crhc	ciro	34	46	1	0.6	5·0
3	Leamington S.	b	b	26	46	-	-	7·4
4	Cheltenham†	bm.b	bbem.	26	46	-	-	6·2
5	Bath	b	bbeb	29	46	-	-	8·4
	Weymouth ...	b	b	33	49	-	-	9·4
	Jersey ...	be	be	45	52	-	-	9·0
	Torquay ...	wb3.b	bm.y	35	48	-	-	9·0
	Penzance ...	b	b	37	51	-	-	9·3
	St. Ives ...	b	b	39	47	-	-	7·3
	Bude	wb b	b	35	50	-	-	9·2
	Ilfracombe ...	b	b	41	48	-	-	8·0
6	Aberystwyth	bexb	b	29	46	-	-	9·3
7	Llandudno ...	be b	b	34	46	-	-	7·3
	Colwyn Bay...	be b	be b	33	45	-	-	8·7
	Rhyl	be	be b	27	46	-	-	8·6
8	Wallasey ...	b	b	30	45	-	-	8·5
	Southport‖ ...	b	b	29	44	-	-	9·0
	Blackpool ...	be b	bbe	27	44	-	-	9·0
	Morecambe ...	xcbbe	b	27	44	-	-	8·7
9	Ilkley	b	b	31	45	-	-	7·6
10	Berwick-on-T.	c	c	31	43	0.4	-	4·7
11	Dunbar ...	bexbe	be	31	43	-	-	8·8
12	Douglas ...	x be	be	33	45	-	-	8·8

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with 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 Oct., 1931.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light easterly to variable wind; fine or fair, some mist, local fog at night; rather cold with frost at night.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind variable, light at first, becoming southwest, light or moderate, bright to cloudy, some mist; local fog at night; temperature rising somewhat but local night frost.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland.	Moderate to fresh southwest to west wind, strong in coastal areas, mainly cloudy, some rain or showers; mist locally; milder for a time.
14. Mid-Scotland 15. N.E. Scotland	Light to moderate southwest to west winds; mainly cloudy, probably some rain or showers; mist locally milder for a time.
16. Orkneys and Shetlands.	Fresh to strong southwest to west winds; cloudy or dull, some rain or showers; mist locally; milder for a time.
17. N.W. Ireland 18. N.E. Ireland	Moderate to fresh southwest to west winds; mainly cloudy; probably some rain or showers; mist locally; milder for a time.
19. S.E. Ireland 20. S.W. Ireland	Wind variable to southwest, light or moderate; bright to cloudy; mist locally; temperature rising somewhat but local night frost.

GENERAL INFERENCE.

An anticyclone centred over the Southern part of the British Isles is moving southeast and secondaries to a depression over Iceland will cross Scotland. Weather will continue fair or fine and rather cold, except in Scotland and Northern Ireland where cloudy conditions with some rain or showers will occur with a higher temperature than of late.

FURTHER OUTLOOK.

Uncertain in the north, mainly fair in the South.

Forecasts issued at 1015 G.M.T.

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

⊙ = Calm.

TEMPERATURE is given in degrees F.

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

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 26th October 1931.

No. 25540

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1021.8	+18	NNW	1	b	33	85	5	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1021.5	+20	N'W	4	b	37	85	7	-	-	-	0	0	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1019.0	+20	N	4	b	36	95	8	8	-	-	1	1	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1019.8	+24	N'E	4	bc	42	85	7	8	-	-	4-6	4-6	2500
	Cranwell ...	240	1023.2	+18	NW	4	b	30	85	6	-	3	-	0	Tr	-
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	1021.3	+16	NNE	4	b	38	75	8	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1023.2	+16	NE'N	3	bc	39	75	6	5	-	-	2-3	2-3	4000
	Scilly (St. Mary's)	163	1022.7	+16	E	4	b	43	75	7	-	-	-	0	0	-
	Guernsey ...	175	1010.2	+24	NNE	4	bc	46	75	8	8	-	-	4-6	4-6	2500
6	Pembroke ...	142	1023.7	+24	NE	2	bc	35	95	8	7	4	-	2-3	2-3	1500
7	Holyhead ...	26	1024.0	+14	S'E	1	b	38	85	8	5	-	-	1	1	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1021.0	+8	NNW	4	bc	40	95	7	4	3	-	2-3	4-6	4000
	Tynemouth ...	87	1023.3	+18	WNW	3	bc	34	75	7	2	-	-	2-3	2-3	2500
11	Inchkeith ...	190	1022.9	+10	SW	3	c	38	85	6	5	-	-	9+	9+	4000
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1016.6	0	SW (ESE struck out)	3	c	45	85	8	4	7	9	2-3	7-8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1018.4	-6	SW	3	c	40	85	8	5	1	-	4-6	10	2500
16	Lerwick ...	54	1017.9	0	NW	1	bc	37	75	8	-	7	-	0	4-6	-
17	Blacksod Point	18	1023.5	+10	-	0	b	45	65	8	2	-	-	Tr	Tr	4000
18	Malin Head ...	52	1022.5	+6	S	3	b	42	95	8	1	-	-	Tr	Tr	2500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1024.3	+10	SE	3	b	47	95	8	-	-	-	0	0	-
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 26th Oct / **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 25th Hrs. (36)
London (Kew)...	1024.9	+18	NNW	1	b	33	85	6	-	-	-	0	0	-	0	*	47	32	24	Tr.	-	8.0
Croydon ...	1024.5	+14	WNW	1	b	30	95	5	-	-	-	0	0	-	0	*	47	28	23	-	-	6.7
S. Farnborough	1025.2	+16	W	1	b	25	95	5	-	-	-	0	0	-	0	*	48	24	13	Tr.	Tr	7.8
Winchester ...	1025.0	+14	N	3	b	30	85	5	-	-	-	0	0	-	0	*	47	29	23	-	-	8.8
Boscombe Down	1025.7	+18	N	3	b	29	95	6	-	-	-	0	0	-	0	*	46	26	20	-	-	*
Calshot, (S'thmtn)	1024.1	+16	NW'N	3	b	33	85	5	-	-	-	0	0	-	0	1	49	33	28	-	-	9.3
Dungeness ...	*	*	NW	3	c	*	*	7	3	4	*	2-3	7-8	1500	*	1	50	33	*	0.6	-	*
Lympne ...	1022.0	+24	NNW	4	bc	33	95	6	8	-	-	2-3	2-3	800	1	*	48	33	29	1	Tr	7.1
Shoeburyness	1023.4	+20	NW	3	b	32	95	6	5	-	-	1	1	4000	4	*	50	31	29	-	-	8.2
Felixstowe ...	1023.2	+18	NW	3	b	33	95	7	8	-	-	1	1	4000	0	1	50	32	28	-	-	8.3
Gorleston ...	1022.8	+20	E'N	3	bc/pr	46	75	7	9		-	4-6	4-6	1500	0	3	49	39	36	1	1	6.5
Cranwell ...	1026.0	+18	NW	2	bc	28	85	6	5	3	-	2-3	2-3	4000	0	*	46	28	25	-	-	8.2
Cardington ...	1024.6	+18	NW'N	1	bc	26	85	6	5	6	-	1	2-3	7200	*	*	*	*	*	*	*	8.0
Birmingham ...	1027.0	+14	NW	2	b	28	85	4	-	-	-	0	0	-	0	*	45	28	17	-	-	*
Upper Heyford	1026.3	+20	NNE	3	b	29	85	6	-	-	-	0	0	-	4	*	46	29	25	-	-	
Leafield ...	1025.4	+12	N'W	3	b	28	95	7	-	-	-	0	0	-	4	*	45	26	19	-	-	9.1
Ross-on-Wye ...	1026.3	+10	N	1	b	23	95	5	-	-	-	0	0	-	4	*	45	23	15	-	-	8.2
Portland Bill....	1023.5	+14	N'E	3	b	37	75	6	-	-	-	0	0	-	0	3	48	36	*	-	-	*
Plymouth ...	1024.7	+18	N	3	b	36	85	8	1	-	-	Tr	Tr	4000	0	1	48	36	31	-	-	9.0
Falmouth ...	1025.2	+10	N'E	3	bc	37	85	7	7	-	-	2-3	2-3	4000	0	2	47	36	*	-	-	9.6
Scilly (St. Mary's)	1025.3	+14	E	4	bc	42	95	7	7	-	-	2-3	2-3	4000	0	3	48	41	*	-	-	8.5
Guernsey ...	1022.8	+16	NNE	3	bc	46	65	8	8	-	-	4-6	4-6	2500	0	3	50	45	40	-	-	7.3
Pembroke ...	1025.8	+6	NNE	2	b	35	95	8	-	4	-	0	1	1500	4	1	48	35	*	-	-	9.2
Holyhead ...	1025.5	+10	S'W	2	b	33	85	9	5	-	-	1	1	4000	0	0	46	34	27	-	-	8.1
Chester (Sealand)	1026.7	+16	SSE	1	b	20	95	5	-	-	-	0	0	-	4	*	44	19	12	-	-	8.2
L'pool (Bidston)	1026.4	+10	-	0	b	34	65	7	-	-	-	0	0	-	0	*	42	34	26	-	-	8.1
Harrogate ...	1026.2	+6	WSW	1	b	29	75	9	-	4	1	0	Tr	-	0	*	42	29	22	-	-	8.7
Spurn Head ...	1023.6	+6	N'W	4	bc	40	95	7	3	1	-	2-3	2-3	4000	1	4	47	37	*	2	1	6.0
Tynemouth ...	1024.1	+8	W	2	c	32	75	6	5	-	-	7-8	7-8	800	4	2	43	31	26	-	-	*
Inchkeith ...	1022.9	0	WSW	3	bc	40	95	7	5	8	1	2-3	4-6	800	0	2	43	36	31	-	-	9.4
Leuchars ...	1022.3	+2	W	3	bc	33	93	6	-	4	4	0	2-3	-	4	*	44	25	15	-	-	9.0
Renfrew ...	1023.9	+4	-	0	bcf	32	95	3	5	-	1	4-6	4-6	2500	1	*	47	31	21	-	-	8.7
Eskdalemuir ...	1025.7	+4	S	2	c	30	83	7	5	-	1	9	9+	2500	4	*	40	19	10	-	-	9.1
Tiree ...	1020.0	-2	SSW	5	bc	46	95	7	8	6	-	2-3	4-6	2500	0	3	45	41	35	0.1	0.1	2.8
Stornoway ...	1015.5	-6	SW	3	c	48	85	8	4	7	-	4-6	9+	2500	1	2	47	32	*	0.1	1	6.5
Dalwhinnie ...	1021.3	+6	SW	1	bc	37	85	8	4	1	-	2-3	4-6	2500	0	*	38	25	17	-	-	6.7
Aberdeen ...	1021.2	+4	SW	2	bc	35	85	7	-	3	-	0	4-6	-	4	1	40	26	19	1	-	7.2
Wick ...	1017.6	-2	SSW	3	bc	42	95	8	5	4	2	2-3	4-6	2500	1	2	42	31	*	-	1	*
Lerwick ...	1015.6	-6	S	4	rr	41	95	6	6	-	-	10	10	800	2	*	41	35	*	-2	2	6.3
Blacksod Point	1023.7	+2	E	4	bc	45	63	9	-	4	-	0	2-3	-	0	3	50	36	*	-	-	*
Malin Head ...	1023.2	+4	S'W	4	bc	39	95	9	1	3	5	Tr	4-6	2500	0	2	48	38	*	1	1	5.0
Aldergrove ...	1025.6	+6	S'E	2	b	30	95	8	-	-	1	0	1	-	1	*	46	29	25	-	-	7.9
Donaghadee ...	1024.7	+8	WNW	1	b	34	75	7	5	-	-	Tr	Tr	2500	0	0	47	34	*	-	-	*
Birr Castle ...	1026.2	+4	SE	1	b	23	95	8	-	-	9	0	Tr	-	0	*	47	22	11	-	-	6.3
Valentia Obsy.†	1026.0	+6	NE	2	b	29	95	9	1	-	-	Tr	Tr	4000	4	1	47	28	22	Tr	Tr	8.4
Roches Point...	1026.3	+8	N	2	bc	35	95	8	5	-	-	2-3	2-3	1500	0	2	48	35	*	-	-	*

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

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	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	bz₀	bcp₀bz₀	bm₀x	47	32	24	Tr	-	8.0	*	*	4
Croydon ...	217	bmbcm₀	bcz₀ybz	bm₀x	47	28	23	-	-	6.7	*	*	3
Greenwich (Royal Observatory) ...	140	b	by	bxmf	49	31	22	-	Tr	7.5	55	82	3
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*	7.9	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	49	34	30	-	-	7.4	62	75	*
Regents Pk. (Botanic Gardens) ...	168	*	*	*	*	*	*	*	*	7.0	*	*	*
Camden Square ...	110	b	bcb	*	49	33	28	-	-	*	At 18h.	83	*
Kensington ...	80	bcobc	bcb	*	48	33	25	-	-	7.3	73	80	*
Hampstead Observatory ...	450	bcmp	bc		45	29	25	Tr	Tr	8.3		81	

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre. 24 hrs. ended 7h. G.M.T. 26th

South Kensington. Max.	Time.	Min.	Time.
0.6	17-18h 25th	NIL	0-8h 26th

Kew Observatory. Max.	Time.	Min.	Time.
0.2	19hrs 25th	0.1	24hrs 25th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 25th Oct Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 26th Oct 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 ...	1008.4	N	4	c	43	1019.5	NNW	3	b	34	48	32	-	-
Brussels ...	1011.6	NNE	3	bc	41	1021.2	NE	2	b	32	48	32	-	-
Berlin ...	1009.6	N	3	c	39	1019.6	NNE	5	z	34	45	*	-	-
Zürich ...						1009.8	N	1	s,s₀	34		32		10
Rome ...						1003.5	S	5	c	68		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.

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

TUESDAY, 27th October 1931.

No. 25541

OBSERVATIONS at 13h. G.M.T. 26th 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)...	1025.8	-6	NNE	4	bc	48	65	6	4	-	-	4-6	4-6	2600
	Croydon ...	1025.4	-4	NEN	4	bc	48	55	5	1	-	-	4-6	4-6	2600
	S. Farnborough	1025.6	-6	NNE	2	bc	50	55	7	1	-	-	2.3	2.3	2600
	Winchester ...	1026.8	-4	NNE	3	3	48	65	7	1	-	-	2.3	2.3	4000
	Boscombe Down	1026.2	-8	NNE	3	b	47	65	7	1	-	-	1	1	2500
	Calshot, S'thmtn	1026.4	-4	NNE	4	b	51	55	7	1	4	-	Tr.	1	4000
	Dungeness ...	*	*	N	2	c/r	*	*	7	8	-	*	7.8	7.8	1500
	Lympne ...	1024.3	+6	NEN	3	c/pr	44	85	7	9	-	-	9	9	1500
2	Shoeburyness	1025.6	+6	E'S	4	bc	48	76	8	8	-	-	4-6	4-6	4000
	Felixstowe ...	1026.4	+4	NE	3	bc	50	66	8	8	-	1	4-6	4-6	4000
	Gorleston ...	1025.7	+2	NE	2	bc	50	65	7	1	-	-	4-6	4-6	4000
	Cranwell ...	1027.1	0	NNW	2	b	47	55	6	7	-	-	1	1	4000
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1026.9	+2	NNE	1	b	43	65	4	-	-	-	0	0	-
	Upper Heyford	1027.0	-2	NEN	3	bc	47	65	7	2	-	-	4-6	4-6	2600
	Leafield ...	1026.0	0	NE	3	bc	46	65	7	1	-	-	2.3	2.3	4000
4	Ross-on-Wye ...	1026.6	+4	EN	2	b	47	55	6	-	-	-	0	0	-
5	Portland Bill...	1025.2	-2	N'E	3	b	49	55	8	-	-	-	0	0	-
	Plymouth ...	1026.1	-2	E	3	b	48	55	9	1	-	-	Tr.	Tr.	4000
	Falmouth ...	1026.7	0	ENE	2	bc	47	65	8	1	-	8	2.3	2.3	4000
	Scilly (St. Mary's)	1026.7	0	EN	3	bc	50 [49]	55	8	5	-	-	2.3	2.3	4000
	Guernsey ...	1024.4	+4	N'E	3	bc	50	65	8	7	4	-	4-6	4-6	2500
6	Pembroke ...	1026.3	-2	SE	1	b	48	65	8	1	-	-	1	1	1500
7	Holyhead ...	1026.4	-2	SSW	2	bc	51	55	8	8	-	-	4-6	4-6	2500
	Chester (Sealand)	1027.4	-2	-	0	bc	49	45	6	5	-	-	2.3	2.3	4000
8	L'pool (Bidston)	1027.0	0	S'E	1	c	45	55	7	7	-	-	9	9	2600
9	Harrogate ...	1026.5	0	-	0	c	45	65	7	7	-	-	7.8	7.8	4000
10	Spurn Head ...	1026.0	0	NW	2	bc	48	65	7	4	3	-	2.3	4-6	2500
	Tynemouth ...	1025.0	0	WSW	2	c	47	65	4	4	-	-	7.8	7.8	4000
11	Inchkeith ...	1023.2	0	SW	4	bc	49	86	7	5	4	1	2.3	4-6	800
	Leuchars ...	1022.1	-10	WSW	3	bc	51	65 [5]	8	1	-	2	Tr.	4-6	2500
12	Renfrew ...	1023.8	-8	WSW	3	c	50	55	8	1	-	2	1	7.8	4000
	Eskdalemuir ...	1024.8	-6	SW	4	bc	45	56	7	1	-	9	1	4-6	4000
13A	Tiree ...	1019.8	-6	SSW	7	c	49	85	8	5	5	6	1	9+	2500
13B	Stornoway ...	1013.8	-8	SSW	7	o	50	95	7	5	-	-	10	10	1500
15	Dalwhinnie ...	1020.4	-2	SW	5	c	44	65	8	4	-	-	7.8	7.8	2500
	Aberdeen ...	1020.7	-6	SSW	3	bc	49	56	8	-	-	8	0	4-6	-
	Wick ...	1016.8	-10	SW	4	c	48	85	8	5	1	-	4-6	9+	2500
16	Lerwick ...	1013.6	-6	S	3	c	49	79	7	5	-	-	7.8	7.8	1500
17	Blacksod Point	1022.6	-4	SSE	5	bc	52	55	9	4	-	-	4-6	4-6	1500
18	Malin Head ...	1022.2	-12	SSW	5	bc	47	75	8	5	-	8	Tr.	4-6	5700
	Aldergrove ...	1025.7	-6	SSW	3	bc	47	55	8	-	3	2	0	4-6	-
	Donaghadee ...	1026.5	-2	W	2	bc	47	55	8	5	3	-	2.3	4-6	2600
19	Birr Castle ...	1026.1	-2	SW	3	bc	47	55	8	-	-	2	0	2.3	-
20	Valentia Obsy.	1026.4	-6	S'E	3	bc	51	65	9	7	-	1	1	2.3	4000
	Roches Point...	1027.1	+4	SW	2	bc	49	66	8	5	-	-	2.3	2.3	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	1027.1	+10	NNE	2	c	46	65	4	5	-	-	9	9	2600	0	*
Croydon	1026.8	+16	EN	1	bc	41	85	4	5	-	-	2.3	2.3	1500	0	*
S. Farnborough	1027.0	+12	-	0	b	37	86	5	-	4	-	0	Tr.	-	0	*
Winchester	1027.1	+12	N	2	bc	38	86	6	5	-	1	4-6	4-6	4000	0	*
Boscombe Down	1026.9	+8	NNE	2	b	39	85	7	-	-	-	0	0	-	0	*
Calshot, S'thmtn	1026.9	+6	N	3	bc	45	75 [6]	7	2	-	-	2.3	2.3	4000	0	1
Dungeness	*	*	NE	2	c	*	*	7	8	-	*	7.8	7.8	1500	*	2
Lympne	1026.9	+12	NE	3	bc/pr	41	85	8	8	-	-	4-6	4-6	2600	1	*
Shoeburyness	1026.7	+10	ENE	2	bc	41	86	8	4	-	-	4-6	4-6	4000	0	*
Felixstowe	1026.9	+10	N	3	bc	42	75	8	8	-	-	4-6	4-6	4000	0	1
Gorleston	1025.9	+6	SE	2	bc	48	75	7	7	-	-	4-6	4-6	4000	0	2
Cranwell	1027.8	+6	-	0	bc	36	75	7	6	-	1	Tr.	2.3	4000	0	*
Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birmingham	1027.9	+4	NNW	1	bf	38	65	8	-	-	-	0	0	-	0	*
Upper Heyford	1027.8	+14	ENE	2	b	39	75	6	5	-	-	1	1	2500	0	*
Leafield	1027.3	+6	-	0	b	38	75	7	4	-	-	Tr.	Tr.	4000	0	*
Ross-on-Wye	1027.2	+10	-	0	bf	37	85	3	-	8	-	0	Tr.	-	0	*
Portland Bill	1026.9	+6	NNE	3	bc	44	65	7	4	4	-	2.3	4-6	2500	0	3
Plymouth	1026.7	+8	-	0	b	44	75	6	1	-	-	Tr.	Tr.	4000	0	0
Falmouth	1026.6	+2	NW	3	bc	44	76	8	1	-	6	1	4-6	4000	0	2
Scilly (St. Mary's)	1027.0	+4	ENE	2	b	41	55	8	5	-	-	1	1	4000	0	2
Guernsey	1024.5	+8	NNE	4	bc	50	65	8	8	-	-	4-6	4-6	1500	0	3
Pembroke	1027.6	+4	-	0	b	43	65	8	1	-	-	1	1	1500	0	0
Holyhead	1026.4	+2	SW	2	bc	44	65	8	8	-	9	2.3	2.3	2500	0	0
Chester (Sealand)	1027.6	+6	S	1	b	33	75	5	-	-	1	0	Tr.	-	0	*
L'pool (Bidston)	1026.8	0	S	3	b	41	55	7	-	-	-	0	0	-	0	*
Harrogate	1027.0	0	SW	1	bc	38	75	5	-	-	8	0	2.3	-	0	*
Spurn Head	1027.1	+4	S'E	1	bc	44	75	7	4	3	1	2.3	4-6	2500	0	1
Tynemouth	1026.5	+6	WSW	2	bcf	44	75	3	2	-	-	4-6	4-6	2600	0	2
Inchkeith	1023.2	0	SW	3	bc	45	85	7	5	-	9	2.3	4-6	800	0	2
Leuchars	1022.4	+4	SW	4	c	42	75	6	-	2	2	0	9	-	0	*
Renfrew	1023.5	-2	SSW	2	c	39	85	7	5	-	6	Tr.	9	4000	1	*
Eskdalemuir	1025.1	+4	WSW	3	bc	39	85	7	5	-	-	4-6	4-6	2500	1	*
Tiree	1017.8	-10	SW	6	o	48	95	8	5	-	-	10	10	2500	1	4
Stornoway	1011.6	-10	SSW	7	dd	49	95	6	6	-	-	10	10	1500	1	5
Dalwhinnie	1020.4	0	SSW	5	c	40	75	8	4	2	-	7.8	10	1500	0	*
Aberdeen	1020.5	0	SSW	3	bc	44	65	6	-	7	3	0	4-6	-	1	1
Wick	1015.2	-4	SSW	5	c	47	75	8	8	1	-	7.8	9	2500	0	3
Lerwick	1012.1	-10	S	4	rr	48	85	7	6	-	-	10	10	800	2	*
Blacksod Point	1021.7	-6	S	5	c	51	65	8	-	7	-	0	9+	-	0	4
Malin Head	1021.0	-8	S	5	bc	44	85	8	5	-	8	2.3	4-6	5700	0	2
Aldergrove	1024.9	+2	S'E	3	c	39	65	8	-	7	7	0	9	-	1	*
Donaghadee	1024.6	-2	WSW	2	bc	42	65	7	5	3	-	4-6	4-6	2500	0	1
Birr Castle	1025.4	-2	S	1	c	40	75	8	-	3	9	0	9	-	0 [X]	*
Valentia Obsy.	1025.9	+2	S'E	3	bc	46	75	9	5	-	1 4	4-6	4-6	4000	0	2
Roches Point	1026.3	-6	SW	3	bc	48	65	8	5	-	-	2.3	2.3	1500	0	2

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 26th (37)	13h.—18h. 26th (38)	18h. 26th to 1h. 27th (39)	1h.—7h. 27th (40)
London (Kew)	bzcbczo	bzobcbcz	bfbFx	oFx
Croydon	bmcffm	bczoyum	bfmx	bmxf
S. Farnborough	bcbmb	bcybmo	ofbfx	Fex
Winchester	bzo	bzobcmo	bmox	bmoFFx
Boscombe Down	bcm	bbcb	bbcbm	bcxf
Calshot, S'thmtn	bmoby	bcyzo	bwmo	bxm
Dungeness	p	p	*	b
Lympne	cpr	cpro	cbx	bx
Shoeburyness	bcmo bc	bc	bcx	bx
Felixstowe	bcjp	bcybro	bxmo	bxmo
Gorleston	bc	bc	bcb	bxmo
Cranwell	bzoy	bzoyb	bmox	bcmox
Cardington	*	*	bxm	bbcexF
Birmingham	bm	bmf	bf	bfbcx
Upper Heyford	bmobc	bcbmw	bmox	FFx
Leafield	b	bcb	bx	bbcFx
Ross-on-Wye	b	bbyzm	bfx	bfxbcem
Portland Bill	b	b, bc	b	b, bczo
Plymouth	bvy	bvyzo	bmo	bxcbc
Falmouth	bc	bc	bczo	bczo
Scilly (St. Mary's)	bc	bcb	bbc	bc
Guernsey	bc	bc	bcodo	cp, bc
Pembroke	bcfs	bc	b	bbcc
Holyhead	bbc	bc	bce⊕	cbc
Chester (Sealand)	bcbcmozo	byzo	bzo	bmox
L'pool (Bidston)	bimyc	cby	bybcc	cbxbc
Harrogate	bbcc	cbbc	bc	bcx
Spurn Head	bc	bc	bcx	bcx
Tynemouth	cffm	cbcff	bcff	bc
Inchkeith	bc	bc	c	bcc
Leuchars	bcxmo	bcycmo	cmo	c
Renfrew	bcffc	bccy	c	crmo
Eskdalemuir	cxbxbc	bcybc	bcx	bcxc
Tiree	prbcc	ciro	cir	ciro
Stornoway	cpro	b brr	oir, cR	cprq
Dalwhinnie	bc	c		ir
Aberdeen	cmbc	cbc	bcc	c
Wick	bcm	c	c	circ
Lerwick	orrmo	corr	corr	orr
Blacksod Point	cq	cq	cq	prcq
Malin Head	bc	⊕bc	bcc	ce
Aldergrove	bcbc	bc	c	c/p
Donaghadee	bbc	bc	c	c
Birr Castle	bbcy	bcc	cbc	bcxc
Valentia Obsy.	bcbbcv	bcv	ocvcro	cpcrrc
Roches Point	bc	bc	bc	bcpoc

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. ⦶, 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.

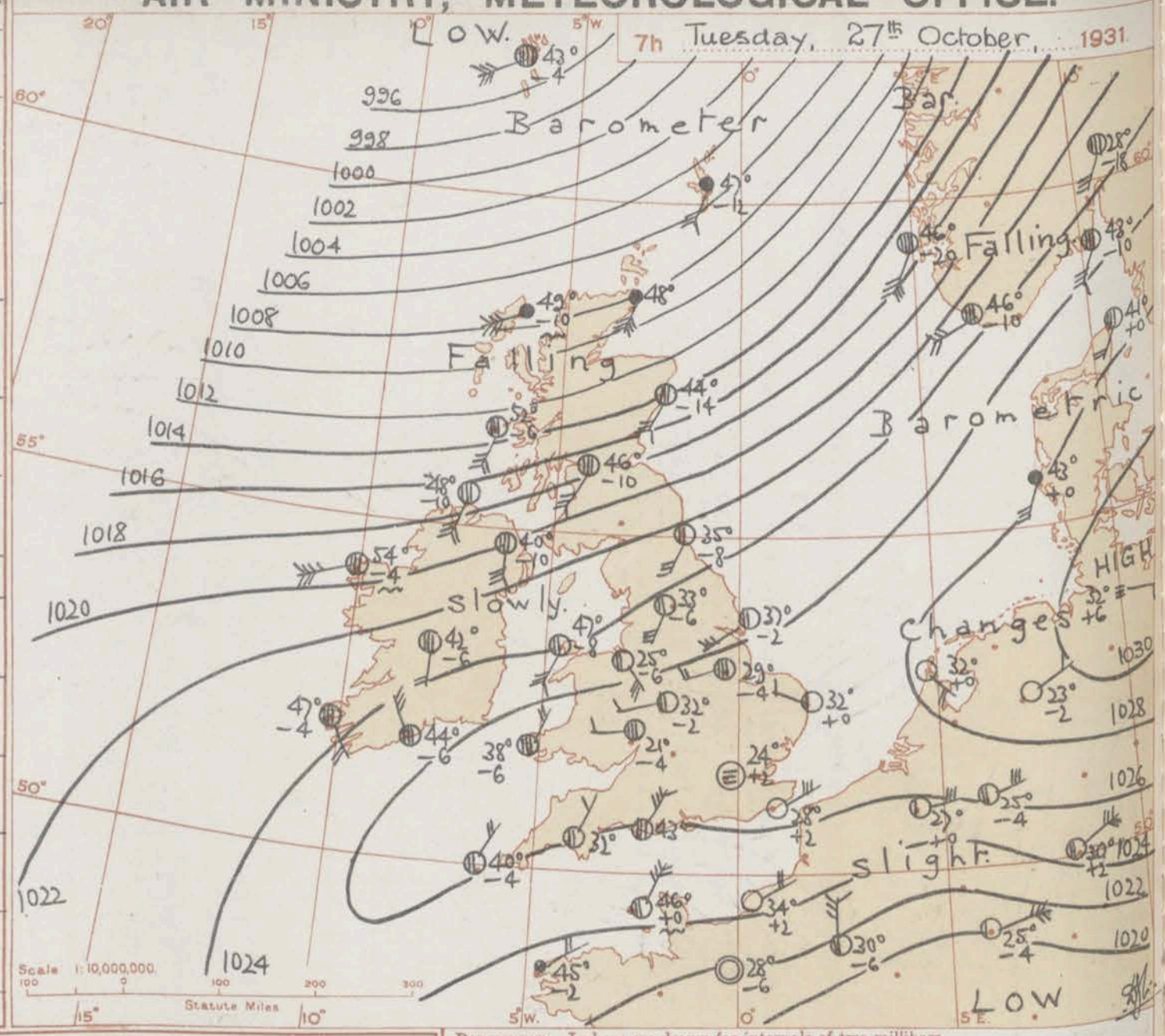
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 26th October 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.	bbc	bbcb	28	49	-	-	6·3
	Bournemouth	b	bf	29	50	-	-	8·5
	Ventnor ...	xb3	bbc3	34	50	-	-	8·1
	Southsea ...	b	bm	33	51	-	-	7·1
	Bognor Regis	b	bbcc	34	51	-	-	6·6
	Littlehampton	b	bbc	31	51	-	-	7·3
	Worthing ...	b	bbc	33	50	-	-	6·8
	Brighton ...	b	bc	33	51	-	-	6·9
	Eastbourne†	bcebc	bcocb	34	49	-	(Trace)	4·0
	Hastings† ...	bcopc	bcopc	35	49	-	0·5	4·5
	Folkestone ...	cpbcp	bcp	38	50	3	2	3·3
	Dover... ...	cbcpc	cp bc	40	52	9	1	3·0
	Deal	rcbcp	bcpc	40	51	4	3	3·3
	Ramsgate ...	cbccrr	orbc	42	51	1	2	3·4
	Margate ...	bcp	bcp	43	49	1	1	3·4
2	Southend ...	b3bc	bcm	33	51	Trace	-	6·6
	Maldon ...	xb	bbc	33	51	-	-	7·2
	Clacton-on-Sea	bc	bccpbc	34	51	-	0·1	7·9
	Dovercourt ...	xbc	bc	34	52	-	-	7·4
	Lowestoft ...	b	bbccp	36	49	0·5	Trace	8·6
	Skegness ...	bc	bco	34	48	-	-	7·2
	Mablethorpe	bcm	bbcm	32	48	6	-	8·0
	Cleethorpes ...	bfb	bm	34	48	1	-	8·3
3	Leamington S.	bc	bc	23	48	-	-	6·2
4	Cheltenham†	bmb	bf	24	47	-	-	6·8
5	Bath	b	b	27	49	-	-	8·4
	Weymouth ...	b	b	33	50	-	-	9·4
	Jersey ...	bc	bcd	44	53	-	Trace	8·4
	Torquay ...	bmb	bm	32	49	-	-	8·9
	Penzance ...	b	b	32	51	-	-	9·3
	St. Ives ...	b	b	36	47	-	-	8·1
	Bude	xb	b	29	50	-	-	7·7
	Ilfracombe ...	b	b	36	47	-	-	9·2
6	Aberystwyth	bxb	b	26	47	-	-	9·4
7	Llandudno ...	cbc	bcb	30	51	-	-	5·2
	Colwyn Bay...	bbc	bcb	31	49	-	-	4·9
	Rhyl	xbcc	cbcb	24	51	-	-	4·6
8	Wallasey ...	fbcc	cf	26	47	-	-	0·0
	Southport‖ ...	b3bc3	co3cbc3	24	45	-	-	3·0
	Blackpool ...	b3	bcc	25	46	-	-	4·2
	Morecambe ...	ambcc	bbc	24	46	-	-	6·0
9	Ilkley... ...	b	cbcb	24	45	-	-	4·4
10	Berwick-on-T.	bc	bc	27	49	-	-	8·3
11	Dunbar ...	bcx	bcx	30	50	-	-	7·0
12	Douglas ...	xbc	bcbd,cb	32	52	-	Trace	7·8

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 2½h.-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. 27th Oct. 1931.

Districts.	Forecasts
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Wind variable light, probably southwest to-morrow; mainly fair apart from mist or fog locally; rather cold with night frost, probably milder to-morrow.
5. S.W. England 6. South Wales	Wind variable to southwest, light or moderate; mainly cloudy; perhaps slight rain or showers to-morrow; becoming milder.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Moderate southwest winds; mainly cloudy, perhaps some light rain or showers to-morrow; some mist or local fog; milder.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands. 17. N.W. Ireland 18. N.E. Ireland	Moderate to strong southwest or west winds; mainly cloudy; occasional rain or showers; rather mild or moderate temperature.
19. S.E. Ireland 20. S.W. Ireland	Wind south or southwest, moderate; mainly cloudy, some rain or showers; mist locally; milder.

GENERAL INFERENCE.

The anticyclone over Southern England is decreasing in intensity and moving eastward. A depression near the Faeroes is moving northeast, and another depression is developing some distance west of Ireland. Weather will be unsettled in Ireland and Scotland, but mainly fair today over the greater part of England apart from local fog at first.

FURTHER OUTLOOK.

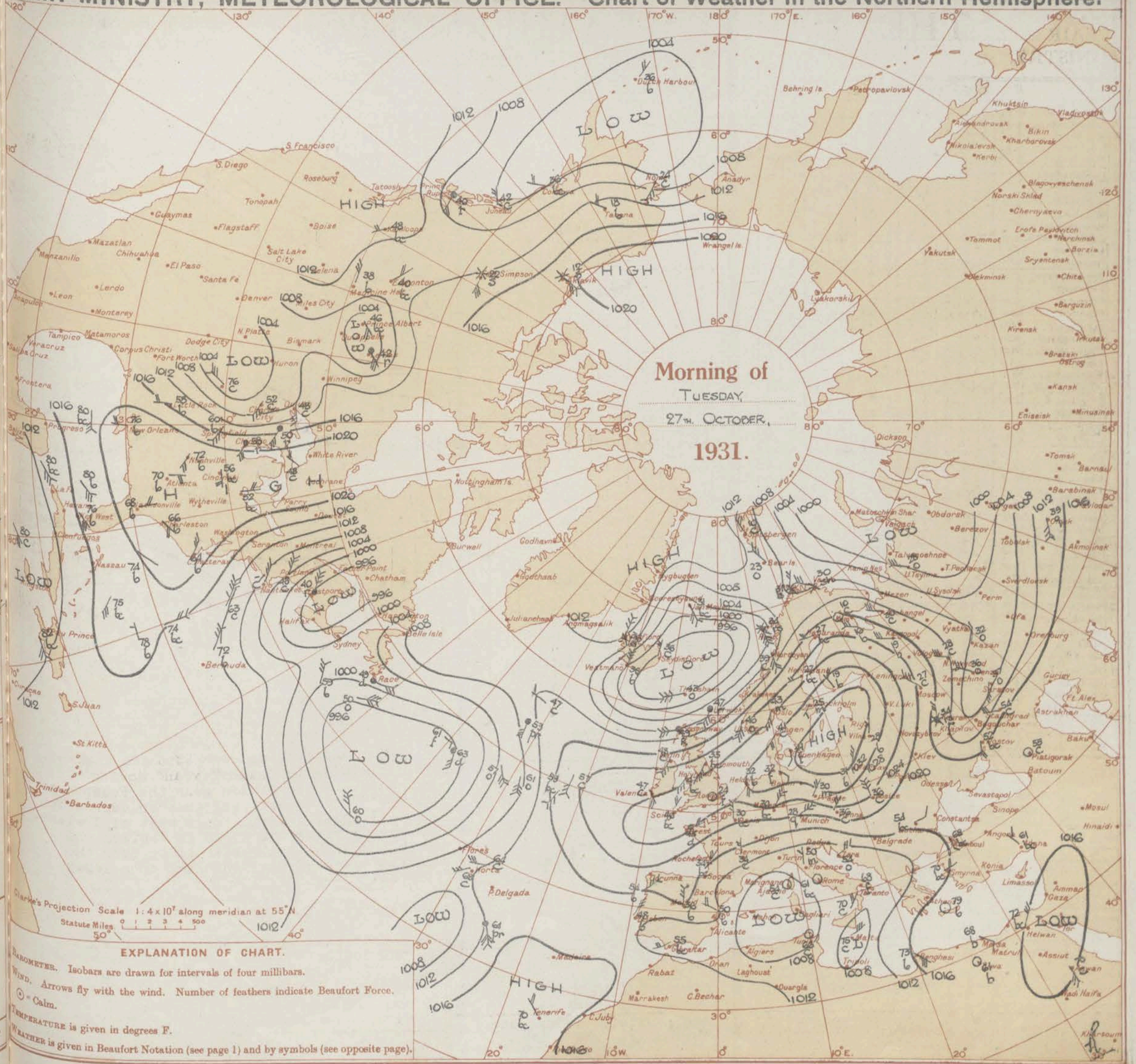
Unsettled in the North, uncertain in the South.

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
Pa.305/2321, No. 75. 24/10/31. 6,308 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).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

TUESDAY. 27th October 1931.

No. 25,541.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1027·9	0	SE	1	m	32	95	4	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1027·0	0	N'W	2	b	39	85	5	-	-	1	0	Tr	-
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1027·0	+8	ENE	3	b	30	85	7	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1027·7	0	S'E	4	b	46	95 (7)	7	4	-	-	1	1	4000
	Cranwell ...	240	1028·4	0	W'S	1	bc	29	95	6	-	3	1	0	2-3	-
3	Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield ...	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill....	32	1026·1	-4	NE	3	b	45	75	7	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth ...	200	1027·3	0	N	2	b	37	85	6	1	-	-	Tr	Tr	4000
	Scilly (St. Mary's)	163	1027·3	-4	NE	2	bc	41	65	8	7	-	-	2-3	2-3	4000
	Guernsey ...	175	1025·1	0	NE	3	bc	48	75	8	8	3	-	4-6	4-6	2500
6	Pembroke ...	142	1027·0	0	NNE	1	bc	39	95	7	1	3	2	Tr	4-6	800
7	Holyhead ...	26	1025·5	-8	SW'W	3	c	46	65	8	1	-	8	4-6	7-8	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1027·0	0	WSW	2	bc	40	95	7	-	1	-	0	2-3	-
	Tynemouth ...	67	1024·9	-10	SW	2	bc	38	85	7	5	-	-	4-6	4-6	1500
11	Inchkeith ...	190	1021·3	-12	SSW	4	bc	44	85	8	-	4	9	0	4-6	-
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1008·5	-14	WSW	6	c/R	50	95	8	3	2	-	4-6	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1011·3	-10	SSW	7	c	46	85	8	5	1	-	7-8	10	2500
16	Lerwick ...	54	1007·9	-16	S'W	6	rr	48	85	7	6	-	-	10	10	800
17	Blacksod Point	18	1020·1	-6	S	7	q	54	75	7	-	8	-	0	9+	-
18	Malin Head ...	52	1018·2	-12	S	5	c	47	95	8	5	7	-	2-3	9+	4000
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1025·1	-6	S'W	2	bc	49	95	8	4	-	-	4-6	4-6	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 27th October — 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 26th Hrs. (36)
London (Kew)	1027·6	0	WSW	1	F	30	95	1	5	-	-	10	10	<150	0	*	49	28	24	-	Tr	6·7
Croydon	1027·4	+2	-	0	cF	24	95	2	5	-	-	7-8	7-8	1500	0	*	50	24	18	-	-	5·3
S. Farnborough	1027·8	0	SW	1	F	26	95	1	5	-	-	10	10	<150	1	*	50	25	15	-	Tr	7·1
Winchester	1027·7	0	-	0	bF	20	95	1	-	-	-	0	0	-	0	*	49	20	16	-	-	8·1
Boscombe Down	1027·7	+4	-	0	F	27	95	1	5	-	-	10	10	<150	0	*	48	25	17	-	-	*
Calshot, (S'thmtn)	1026·9	0	NE'N	3	b	37	75	5	5	-	1	Tr	1	2500	0	1	51	36	30	-	-	7·5
Dungeness	*	*	ENE	3	b	*	*	7	-	4	*	0	Tr	-	*	2	48	39	*	2	-	*
Lympne	1026·3	+2	ENE	3	b	28	85	8	-	-	-	0	0	-	1	*	46	27	20	2	-	3·1
Shoeburyness	1027·3	0	WNW	2	b	29	95	6	-	-	-	0	0	-	4	*	52	27	21	-	-	7·8
Felixstowe	1027·6	+2	NW	1	bc	30	95	6	5	-	1	1	2-3	4000	0	0	53	30	23	Tr	-	7·5
Gorleston	1027·6	0	WNW	1	b	32	85	6	1	-	-	Tr	Tr	4000	0	1	52	31	29	Tr	-	8·1
Cranwell	1027·2	-4	W'S	2	c	29	95	6	-	5	6	0	7-8	-	4	*	47	26	19	-	Tr	8·5
Cardington	1027·0	0	-	0	oF	25	95	1	5	-	-	10	10	<150	*	*	*	*	*	*	*	*
Birmingham	1027·2	-2	WSW	1	bc	32	85	5	-	-	6	0	4-6	-	0	*	44	32	15	-	-	4·5
Upper Heyford	1028·1	+2	-	0	F	24	95	1	5	-	-	10	10	<150	4	*	48	24	18	-	Tr	*
Leafield	1027·0	-6	SSE	1	bcF	25	95	1	-	-	6	0	2-3	-	4	*	47	24	16	-	-	8·2
Ross-on-Wye	1027·4	-4	W	1	c	21	95	4	-	-	6	0	7-8	-	4	*	48	21	16	-	-	8·8
Portland Bill	1025·6	+2	NE	4	c	43	85	6	5	6	1	2-3	7-8	1500	0	3	50	41	*	-	-	*
Plymouth	1026·0	-2	NNE	1	bc	32	95	6	-	3	2	0	4-6	-	0	0	50	32	28	-	-	8·6
Falmouth	1026·0	-2	N	2	bc	36	95	7	5	-	8	2-3	4-6	4000	0	1	48	36	*	-	-	9·5
Scilly (St. Mary's)	1026·0	-4	NE'N	2	bc	40	75	8	1	4	-	1	4-6	4000	0	1	49 (50)	39	*	-	-	8·9
Guernsey	1024·6	0	NNE	5	bc	46	65	8	1	1	-	1	2-3	2500	0	4	51	45	40	-	0·1	8·3
Pembroke	1027·0	-6	NNE	2	c	38	75	7	-	3	-	0	9+	-	12	2	48	35	*	-	-	9·0
Holyhead	1023·5	-8	SW	4	bc	47	65	9	5	-	2	2-3	4-6	2500	0	1	51	40	31	-	-	8·1
Chester (Sealand)	1025·7	-6	SE'S	3	bc	25	95	6	5	2	-	2-3	4-6	2500	4	*	49	23	18	-	-	8·1
L'pool (Bidston)	1025·1	-4	S	3	bc	33	75	7	5	-	2	2-3	4-6	2500	0	*	46	32	29	-	-	3·5
Harrogate	1025·3	-6	SW	3	bc	33	65	6	-	4	8	0	4-6	-	0	*	48	31	24	-	-	6·7
Spurn Head	1025·6	-2	SW'W	3	bc	37	85	6	4	3	-	2-3	4-6	4000	5	2	49	37	*	-	-	8·2
Tynemouth	1022·0	-8	SW	3	bc	35	85	5	5	-	-	4-6	4-6	800	4	2	50	35	30	-	-	*
Inchkeith	1017·1	-14	SSW	4	c	47	85	8	5	7	-	4-6	9	4000	0	3	50	43	39	-	-	7·4
Leuchars	1016·5	-14	SW	4	c	45	85	7	5	7	8	4-6	9+	1500	0	*	51	43 39	33	-	-	6·4
Renfrew	1017·8	-10	SW	4	c/r	46	95	6	5	-	-	9	9	1500	1	*	51	36	27	-	2	5·5
Eskdalemuir	1020·7	-6	SSW	4	c	42	95 (7)	9	5	-	-	9+	9+	2500	1	*	46	34	28	-	-	7·8
Tiree	1012·8	-6	SSW	5	c	52	95	7	5	2	-	4-6	9	1500	1 (10)	3	49	48	46	0·4	2	2·2
Stornoway	1007·5	-10	WSW	6	RR	49	95	6	6	-	-	10	10	1500	2	4	51	48	*	2	6	0·3
Dalwhinnie	1013·7	-12	SSW	5	ir	45	95	7	3	2	-	7-8	(10)	800	1	*	46	36	27	-	1	1·9
Aberdeen	1013·4	-14	SW	4	c	44	75	8	5	7	-	4-6	9	1500	1	1	50	41	38	-	-	4·1
Wick	1008·2	-6	SSW	6	ir	48	95	8	8	1	-	7-8	10	1500	1	3	49	45	*	-	0·2	*
Lerwick	1005·3	-12	S'W	4	rr	47	85	7	6	-	-	10	10	1500	2	*	50	46	*	6	6	0·0
Blacksod Point	1018·8	-4	WSW	7	c	54	75	8	8	-	-	9	9	220	1	4	54	50	*	-	1	*
Malin Head	1016·5	-10	SSW	5	c	48	95	7	5	8	-	7-8	7-8	1500	0	3	47	43	*	-	-	7·1
Aldergrove	1020·3	-10	S	4	c	40	95	7	5	7	7	2-3	9	2500	1		48 (47)	38	32	-	-	8·6
Donaghadee	1020·5	-10	SW	2	c	42	85	7	5	-	-	7-8	7-8	2500	0	1	51	38	*	-	-	*
Birr Castle	1022·8	-6	S	2	c	42	85	8	-	3	-	0	9	-	0	*	48	34	21	-	-	7·1
Valentia Obsy.†	1023·3	-4	SSE	2	c/r	47	95	8	5	-	-	9+	9+	2500	1	2	52	45	37	0·1	4	7·8
Roches Point	1024·8	-6	NW	3	c	44	95	8	3	-	-	7-8	7-8	1500	0	2	52	39	*	-	0·1	*

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

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew ...	18	b$z_0$cbcz_0	b$z_0$bcfcz	bfbofx	49	28	24	-	Tr	6·7	*	*	0
Croydon ...	217	bmoeffm	bcz_0s/ur	bfmxf	50	24	18	-	-	5·3	*	*	0
Greenwich (Royal Observatory) ...	149	bfb	byc	bmcbxff	51	25	16	-	Tr	3·6	53	93	0
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*	6·5	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	51	29	27	-	-	4·0	55	96	*
Regents Pk. (Botanic Gardens) ...	168	*	*	*	*	*	*	*	*		*	*	*
Camden Square ...	110	b	bcb	*	51	28	23	-	-	*	At 18h.	93	*
Kensington ...	80	bcz	bcz	*	50	30	22	-	-	4·5	75	99	*
Hampstead Observatory ...	450	bm	b	*	48	31	17	-	Tr	8·5	*	71	

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 27th

SOUTH KENSINGTON.

Max.	Time.	Min.	Time.
2·0	23h 26th	0·3	13h 26th

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
1·9	2hrs 27th	0·1	13hrs 26th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 26th October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 27th October 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 ...	1023·1	NNE	3	b	39	1021·8	N	4	bc	30	48	30	-	-
Brussels ...	1025·8	E	3	b	36	1025·8	E	3	b	27	?	25	-	-
Berlin ...	1027·1	NNE	4	b	36						43		-	
Zürich ...	1016·2	SE	1	s_0s_0	34	1014·4	E	1	3	34	37	34	4	0·2
Rome ...	1006·4	S	3	c	66	1009·0	-	0	bc	61	77	?	—	1·0

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at
0 Dense fog 55 yards.
1 Thick fog 220 ,,
2 Fog 550 ,,
3 Moderate fog 1,100 ,,
4 Mist or haze 1¼ miles.
5 Poor visibility 2½ ,,
6 Moderate ,, 6¼ ,,
7 Good ,, 12½ ,,
8 Very good ,, 31 ,,
9 Excellent ,, beyond 31m.

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

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

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

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 28th October 1931.

No. 25542

OBSERVATIONS at 13h. G.M.T. 27th 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)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1025.2	-16	W	1	bf-	40	85	2	-	-	-	0	0	-
	Croydon ...	1025.3	-18	-	0	bf-	40	85	2	-	-	-	0	0	-
	S. Farnborough	1024.9	-24	NNE	2	b	46	55	6	-	-	1	0	Tr.	-
	Winchester ...	1024.8	-22	ESE	2	b	48	45	8	-	-	1	0	1	-
	Boscombe Down	1026.1	-16	ESE	2	b	48	36	7	-	-	1	0	1	-
	Calshot, S'thmtn	1025.1	-18	E	2	b	50	26	8	-	-	1	0	1	-
	Dungeness ...	*	*	ENE	3	b	*	*	7	-	4	*	0	Tr.	-
	Lympne ...	1023.8	-20	E'N	3	b	46	36	8	-	3	-	0	Tr.	-
2	Shoeburyness	1025.0	-18	ENE	2	b	49	65	8	-	-	1	0	1	-
	Felixstowe ...	1025.7	-14	E'N	2	b	50	36	8	-	-	1	0	1	-
	Gorleston ...	1025.5	-14	S	2	bc	48	65	7	1	4	-	Tr.	2.3	4000
	Cranwell ...	1024.4	-18	SW'S	3	bc	47	55	7	1	-	-	4.6	4.6	4000
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1024.8	-14	WSW	3	b	46	55	6	1	-	-	1	1	1500
	Upper Heyford	1025.4	-18	S	2	b	45	65	6	-	-	1	0	1	-
	Leafield ...	1024.6	-10	S'E	2	b	45	65	7	1	-	1	Tr.	Tr.	4000
4	Ross-on-Wye ...	1024.3	-10	SSW	2	b	48	55	6	1	-	-	Tr.	Tr.	4000
5	Portland Bill...	1024.0	-18	NE	4	bc	47	65	7	4	4	-	2.3	4.6	2600
	Plymouth ...	1024.3	-14	SE	2	c	52	65	6	8	-	-	9	9	4000
	Falmouth ...	1024.2	-14	N'E	1	bc	49	45	8	1	-	2	2.3	4.6	4000
	Scilly (St. Mary's)	1025.6	-4	N'E	2	c	52	65	7	1	1	-	4.6	7.8	4000
	Guernsey ...	1023.3	-10	NNE	3	bc	50	55	9	-	1	1	0	2.3	-
6	Pembroke ...	1024.8	-2	S	2	c	49	75	8	-	6	-	0	10 8	-
7	Holyhead ...	1021.6	-18	SSW	5	c	53	75	8	4	7	8	4.6	9	2500
	Chester (Sealand)	1022.8	-24	SW	2	bc	53	55	6	5	-	1	4.6	4.6	4000
8	L'pool (Bidston)	1022.3	-12	SW'S	2	bc	49	56	8	4	3	-	2.3	4.6	5700
9	Harrogate ...	1022.2	-14	SW'S	3	bc	46	55	5	5	8	-	1	2.3	<150
10	Spurn Head ...	1023.7	-4	SW'W	3	bc	49	75	7	1	-	1	2.3	4.6	4000
	Tynemouth ...	1018.4	-16	SW	4	bc	51	65	6	6	-	2	2.3	4.6	800
11	Inchkeith ...	1014.5	-14	SW	5	c	51	85	8	8	8	1	4.6	9	4000
	Leuchars ...	1013.9	-14	SW	5	c	51	75	7	5	9	8	7.8	9+	1500
12	Renfrew ...	1016.4	-16	SSW	3	pr₀	61	86	6	8	-	-	9+	9+	1600
	Eskdalemuir ...	1017.5	-18	SW	5	id₀	47	95	6	5	2	-	9	10	800
13A	Tiree ...	1012.4	-6	WSW	5	c	52	95	8	5	7	1	4.6	10	2600
13B	Stornoway ...	1006.9	0	WSW	6	c/pr	50	85	8	9	9	-	4.6	7.8	4000
15	Dalwhinnie ...	1011.5	+4	SW	3	rr	47	8 95	7	3	2	-	7.8	10	2600
	Aberdeen ...	1010.9	-14	SW	4	c	51	75	7	5	7	-	Tr.	9+	1500
	Wick ...	1007.0	-6	SSW	4	c	48	85	8	9	1	-	7.8	9	1500
16	Lerwick ...	1002.5	-18	S'W	3	c	48	75	7	8	-	-	7.8	7.8	1500
17	Blacksod Point	1017.7	-10	W	6	q	56	85	8	-7	7 8	-	9+	9+	<150
18	Malin Head ...	1014.9	-8	SW	4	c/d	54	95	7	6	1	-	7.8	9+	1500
	Aldergrove ...	1017.9	-18	S'W	4	c	51	85	8	5	7	8	4.6	9	800
	Donaghadee ...	1018.2	-8	SW	2	c	53	75	7	5	2	-	4.6	7.8	2600
19	Birr Castle ...	1021.0	-14	WSW	3	c	56	75	8	1	-	7	2.3	10	2600
20	Valentia Obsy.	1022.3	-8	SW'S	3	pr	53	95	8	6	-	-	10	10	1500
	Roches Point...	1022.8	-6	W	3	c	52	85	8	3	-	-	7.8	7.8	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)	Weather 7h.–13h. 27th (37)	Weather 13h.–18h. 27th (38)	Weather 18h. 27th to 1h. 28th (39)	Weather 1h.–7h. 28th (40)
London (Kew)	1023.7	-2	-	0	f	35	85	2	5	-	-	10	10	<150	0	*	ofcbf	bcfofx	bfx	bfxcfx
Croydon	1023.6	-2	-	0	bf	36	76	2	-	-	-	0	0	-	0	*	obFFx	bfFyx	bffmx	bmxcm₀
S. Farnborough	1023.8	+2	-	0	b	33	85	5	-	-	-	0	0	-	0	*	Feb3₀	b3₀ymx	bxbfx	cxfcd₀
Winchester	1023.7	0	NNE	1	b	33	75	6	5	-	-	Tr.	Tr.	4000	0	*	fxbcmby	by3₀m₀	bm₀x	bcm₀cd₀
Boscombe Down	1023.8	-4	N	1	b	41	?	7	-	-	-	0	0	-	0	*	oxfby	by	byb	b, cir₀c
Calshot, S'thmtn	1023.6	-6	N	2	b	42	65	7	-	-	-	0	0	-	0	0	bm.by	by	bmxcm₀	cm₀ir₀
Dungeness	*	*	N	2	b	*	*	7	-	7	*	0	Tr.	-	*	1	b	b	*	bc
Lympne	1022.3	-6	NNE	3	b	37	56	8	-	-	1	0	1	-	0	*	b	b	bx	bx
Shoeburyness	1023.5	-6	ENE	2	bc	36	75	6	-	-	1	0	2.3	-	0	*	bm₀	bm₀	bm₀x	bx
Felixstowe	1023.8	-6	N	1	bc	37	45	7	-	-	4	0	2.3	-	0	0	by	bcyv	bcybm	bmbf
Gorleston	1023.7	-8	SW	1	bc	42	75	7	-	7	-	0	2.3	-	0	1	bbc	bc	bcb	bbcxm₀
Cranwell	1022.7	-2	SW'S	2	b	35	85	6	-	-	8	0	1	-	0	*	cm₀bc	bcbm₀	b, cpr₀	cpr₀c
Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	bxm₀	bxbccr₀m₀
Birmingham	1023.0	-6	SW	2	b	40	85	5	-	-	-	0	0	-	0	*	bcbf	b	bbc	bc
Upper Heyford	1023.8	-2	SSW	1	bc	37	75	6	-	-	1	0	2.3	-	0	*	FFx, b	b3₀	bm₀x	bxbccr₀
Leafield	1023.2	-6	S	1	b	36	75	7	-	-	1	0	Tr.	-	0	*	bcifb	b	bx	bcc
Ross-on-Wye	1023.0	-8	SW	1	b	37	85	4	-	-	-	0	0	-	0	*	fcmbc	b3bm	bmcmb	bwc
Portland Bill	1023.3	-2	NE'E	3	b	43	55	6	-	-	-	0	0	-	0	2	cbc	bc, b3₀	bbcc3₀	c, c3₀
Plymouth	1023.8	+6	-	0	b	43	85	6	1	-	1	1	1	4000	0	0	bxmc	cb3₀	bm₀c	odo
Falmouth	1023.5	0	NNW	2	bc	46	65	7	7	-	2	2.3	4.6	4000	0	1	bc	bc	bcc	cf₀
Scilly (St. Mary's)	1024.6	0	NW	3	c	46	76	7	5	1	-	4.6	7.8	4000	0	1	bcc	cbcc	c	cpbcc
Guernsey	1022.6	0	NNW	2	b	46	65	9	-	-	-	0	0	-	0	3	bcb	bbcb	bbcc	cod₀
Pembroke	1022.0	-16	SW	3	ir₀	50	95	8	3	6	-	7.8	9+	800	1	2	c	cir₀	cir₀	cirq
Holyhead	1019.4	-12	SW	4	c	52	85	8	1	7	-	2.3	9+	1500	0	1	bcc, r₀c	ir₀	c	cRq
Chester (Sealand)	1021.4	-4	SE'S	1	c	46	75	6	5	-	-	7.8	7.8	4000	0	*	bcxcc3₀y	bcyc3₀	cir₀3₀	~~[illegible]~~ r₀Kq Rm₀
L'pool (Bidston)	1020.6	-6	SW'W	3	ir₀	45	75	7	5	1 4	-	7.8	10	1500	0	*	bc bcy	cir₀	c	corr₀
Harrogate	1020.5	-6	SSW	3	c	41	75	5	-	9	8	0	7.8	-	0	*	bcbm	bbc	bc	bccrr
Spurn Head	1021.8	-4	SW'S	4	bc	42	85	6	-	1	-	0	2.3	-	0	3	cbc	bc	cr	cr
Tynemouth	1017.0	-6	SW	3	bc	47	85	6	5	-	2	4.6	4.6	800	0	2	bcm	bc	bcc	cor₀
Inchkeith	1013.5	-8	SW	3	rr	49	85	7	6	-	-	10	10	1600	1	3	cir₀	ir₀ rro	crr	c
Leuchars	1012.8	-2	WSW	4	r₀r₀	47	95	6	6	2	-	9	10	1500	1	*	c	cmpcr₀	crrc	bcvjp
Renfrew	1014.0	-2	WSW	3	rr	47	95	5	6	-	-	10	10	1500	1	*	cm₀ pr₀	c, rR	r₀r₀cp	cprob
Eskdalemuir	1015.2	-12	SW	5	ir	47	96	6	6	2	-	7.8	10	800	1	*	cir₀ id	cid, r	cir	cprbc
Tiree	1011.8	-2	W'S	3	c	51	95	8	8	7	-	7.8	10	1500	0	2	cir	irc	cpr	cpr₀
Stornoway	1008.3	+12	WSW	2	c	44	95	8	8	9	-	4.6	7.8	4000	1	1	cpr₀	cpr	cPR	cPRH
Dalwhinnie	1012.0	0	SW	2	c	45	76	8	3	2	-	2.3	7.8	2600	1	*	rr	r		rbc
Aberdeen	1011.0	+2	SSW	3	c	49	85	6	6	7	-	2.3	9	2500	1	1	c	cir₀	c3₀pr₀	c
Wick	1007.7	+12	SSW	3	c	44	85	8	8	1	-	7.8	10	2500	1	2	ir rrc	cprc	cbc	bccrrir
Lerwick	1002.5	+10	SW	3	c	46	65	7	8	-	-	7.8	7.8	1500	1	*	orr	corr	bcpr	bcpr₀
Blacksod Point	1016.3	-6	W	6	iR	55	95	7	5 (STETT)	-2	-	10	10	<150	1	4	prcq	ir	ir	prc
Malin Head	1014.2	-2	WSW	3	rr	49	96	6	6	2	-	7.8	10	1500	1	2	c	cPHR crr	crrpr	cprbc
Aldergrove	1016.0	-10	SW	4	c	50	85	8	5	2	-	2.3	10	1500	1	*	c	c	cprc	crbc
Donaghadee	1016.2	-8	SW	4 2	c	51	85	7	5	2	-	4.6	7.8	1500	0	1	c	c	cid₀c	ir₀ bcq
Birr Castle	1019.4	-8	SSW	1	rr	50	95	7	6	-	-	10	10	1500	1	*	cr₀c	corr	oir	oirc
Valentia Obsy.	1021.8	+2	WSW	4	c	54	96	8	5	-	-	7.8	7.8	1600	1	2	cpr₀cpr	cprc	c	c cp
Roches Point	1021.1	-6	W	2	c	52	85	8	3	-	-	7.8	7.8	1500	0	3	cp₀c	cp₀c	cbc	bcc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
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. Ⴔ, 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.

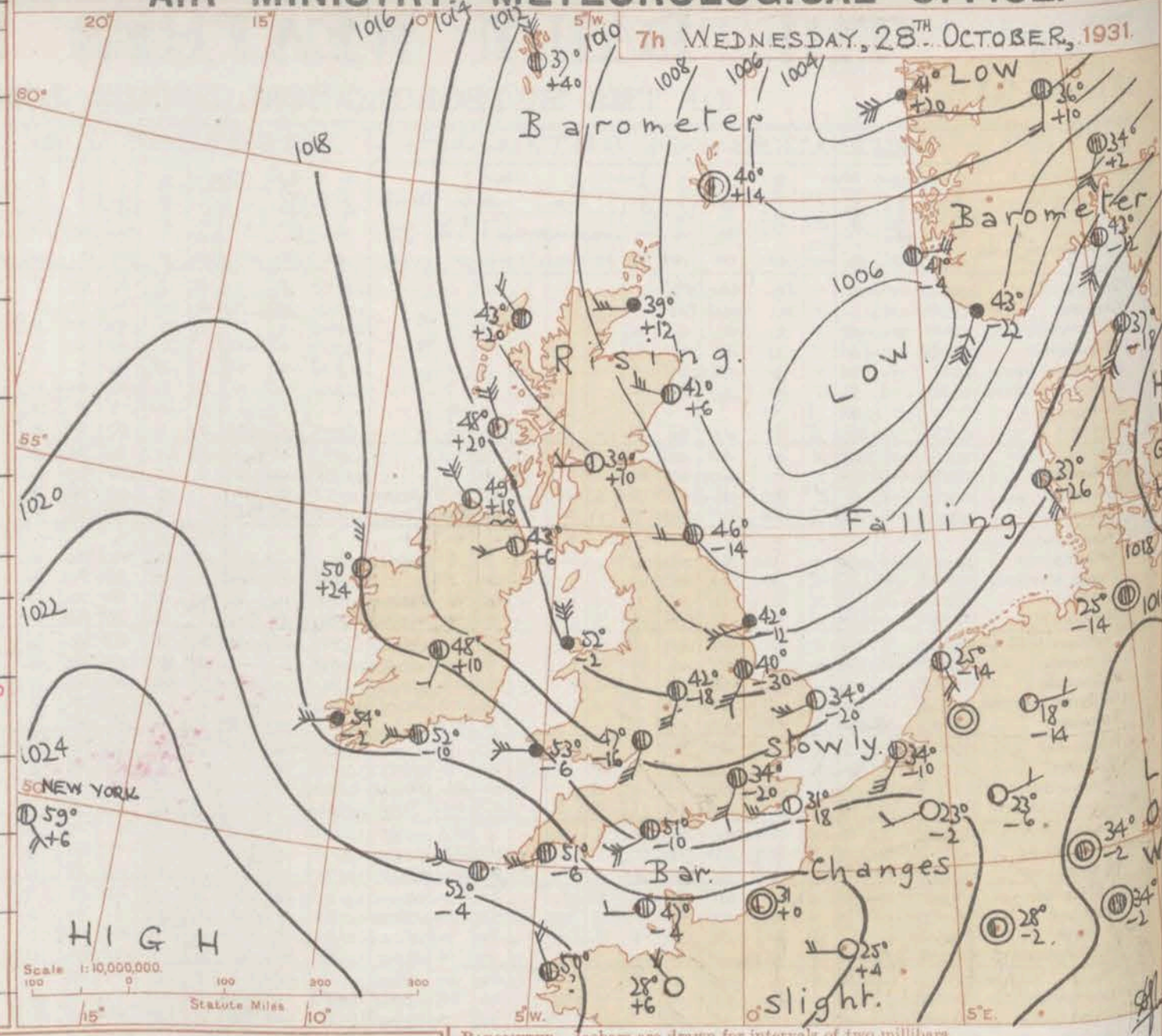
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY. METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 27th October 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.	b	b	22	48	-	-	9.2
	Bournemouth	b	b	27	48	-	-	8.0
	Ventnor ...	xb	b3	38	48	-	-	9.1
	Southsea ...	b	b	32	49	-	-	9.0
	Bognor Regis	b	bbc	31	49	-	-	9.2
	Littlehampton	b	b	28	49	-	-	9.3
	Worthing ...	b	b	31	49	-	-	9.0
	Brighton ...	b	b	31	49	-	-	8.7
	Eastbourne†	b	b	31	47	-	-	9.0
	Hastings† ...	bmb	b	32	49	Trace	-	9.2
	Folkestone ...	xb	b	37	48	-	-	8.5
	Dover... ...	yb	by	40	50	-	-	9.6
	Deal	b	b	40	48	-	-	9.1
	Ramsgate ...	b	b	41	48	-	-	9.2
	Margate ...	b	bbc	39	48	-	-	8.6
2	Southend ...	bf	bf	34	50	Trace	-	9.0
	Maldon ...	xmb	bv	25	49	Trace	-	7.9
	Clacton-on-Sea	bc	bbcy	35	50	1	-	9.2
	Dovercourt ...	xb bv	bm	30	51	-	-	8.5
	Lowestoft ...	b	b	31	47	0.1	-	9.5
	Skegness ...	Fb	bbcm	26	47	Trace	-	6.5
	Mablethorpe	bcb	b	29	47	Trace	-	7.7
	Cleethorpes...	b	bm	31	49	-	-	7.0
3	Leamington S.	bc	bcm	23	47	-	-	4.7
4	Cheltenham†	bxfb	bbf	25	47	-	-	5.4
5	Bath	mb	b	23	47	-	-	7.2
	Weymouth ...	b	b	35	49	-	-	8.5
	Jersey ...	bc	bc	38	52	-	-	9.4
	Torquay ...	bcm	bm bm	32	50	-	-	8.1
	Penzance ...	b	b	32	54	-	-	8.~~5~~0
	St. Ives ...	b	b	36	50	-	-	7.3
	Bude	xmb	b	29	50	-	-	7.6
	Ilfracombe ...	b	b	34	51	-	-	7.8
6	Aberystwyth	bbcc	c	29	48	-	-	0.8
7	Llandudno ...	bcc	c	34	52	-	-	3.9
	Colwyn Bay...	bbc	bcc	37	53	-	-	4.1
	Rhyl	xbbc	bcc	30	51	-	-	3.1
8	Wallasey ...	fbcb	bbcp	32	52	-	Trace	2.7
	Southport‖ ...	bc3c	copb	29	50	-	0.5	1.5
	Blackpool ...	c	o cd	30	49	-	0.3	1.4
	Morecambe ...	xcbcc	cdpo	28	49	-	Trace	0.2
9	Ilkley... ...	bc	bcc	24	47	-	-	4.1
10	Berwick-on-T.	bc	obc	37	51	-	-	2.5
11	Dunbar ...	bc	c	39	54	—	Trace	0.4
12	Douglas ...	cbcd.	cbdc	38	53	-	Trace	1.7

† 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 7/10 to 9/10 clouded. ● Overcast sky.
● Rain falling. ✱ Snow. ▲ Hail. ≡ Fog. ≡ Mist. T Thunder. K Thunderstorm.
SEA DISTURBANCE. ~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 28th Oct. 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Wind westerly, light to moderate; cloudy, occasional slight rain or showers at first then improving; some mist or local fog night and morning; moderate temperature, local night frost.
4. W. Midlands 5. S.W. England 6. South Wales	Wind west to northwest, light to moderate; variable sky, perhaps local showers; temperature falling somewhat.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind northwest, moderate; variable sky, showers; moderate temperature to rather cold; local night frost.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands. 17. N.W. Ireland 18. N.E. Ireland	Wind northwest, moderate or fresh; variable sky, showers, hail or sleet locally; moderate temperature to rather cold, frost at night.
19. S.E. Ireland 20. S.W. Ireland	As 4 - 6.

GENERAL INFERENCE.

A trough of low pressure over the North Sea is moving east and there is a ridge of high pressure west of Ireland, and high pressure from Greenland to Iceland. In the South weather will be mainly cloudy with occasional slight rain or showers at first followed by improving conditions; variable skies with showers, hail or sleet locally, prevailing in the North.

FURTHER OUTLOOK.

None issued.

Forecasts issued at 0910 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2. Pr. 305/2321. m. 75. 0.600 31000 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

WEDNESDAY 28th October 1931.

No. 25542

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1021.8	-16	SW	1	b	26	85	4	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1022.4	-12	NW	2	c	34	95	6	-	-	7	0	10	-
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1020.2	-16	NNW	2	b	34	65	7	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1020.2	-16	W	2	b	36	65	7	-	-	-	0	0	-
	Cranwell	240	1018.4	-24	SW's	3	pr	38	85	5	6	3	8	2-3	7-8	4000
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1021.2	-10	NE'E	2	c	45	65	6	4	4	-	4-6	9	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1022.7	-6	SW'W	1	c	45	85	7	5	-	-	10	10	4000
	Scilly (St. Mary's)	163	1022.8	-12	WSW	4	c	50	75	7	5	-	-	9+	9+	4000
	Guernsey	175	1022.6	-4	-	0	c	37	85	8	8	6	-	4-6	7-8	2500
6	Pembroke	142	1019.6	-4	SSW	4	ir	53	95	7	4	6	-	9+	9+	800
7	Holyhead	26	1016.0	-16	WSW	4	ir	53	96	7	6	-	-	10	10	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1017.4	-12	SW	4	r	40	95	6	3	2	-	4-6	9+	1500
	Tynemouth	87	1012.7	-18	SW	2	c	48	85	6	6	-	-	7-8	7-8	1500
11	Inchkeith	190	101[illegible].4	-8	SW	3	c	46	95	7	5	1	-	4-6	9+	1500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1008.1	+2	NW	2	PR	42	95	6	6	2	-	4-6	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1007.2	-4	SW	3	bc	41	95	8	5	1	2	2-3	4-6	2500
16	Lerwick	54	1005.5	+12	W	1	bc	44	75	7	8	-	-	4-6	4-6	1500
17	Blacksod Point	18	1015.6	-4	W	3	iR	53	95	7	6	-	-	10	10	<150
18	Malin Head	52	1012.8	-4	WNW	4	pr	50	85	7	9	-	-	9+	9+	1500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1020.9	-10	SW	4	bc	53	95	8	5	-	-	4-6	4-6	2500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1017.2	-22	SSW	2	cf-	30	95	3	5	-	-	9+	9+	1500	0	*
Croydon	1017.7	-20	SSW	4	c	34	75	5	5	7	-	4-6	9+	1500	4	*
S. Farnborough	1017.4	-14	S	2	c/d	33	85	6	5	1	-	7-8	7-8	2500	0	*
Winchester	1018.2	-16	SE's	1	c	31	85	6	5	2	-	7-8	10	1500	0	*
Boscombe Down	1018.4	-12	SSE	3	c/ro	35	95	7	5	-	-	9+	9+	1500	0	*
Calshot, (S'thmtn)	1019.3	-14	-	0	c	41	85	6	5	5	-	2-3	10	2500	1	0
Dungeness	*	*	W	1	c	*	*	5	5	7	*	4-6	7-8	2500	*	0
Lympne	1017.4	-18	W'N	3	b	31	65	4	-	-	1	0	Tr	-	0	*
Shoeburyness	1017.3	-20	SW	3	b	34	75	5	-	-	-	0	0	-	4	*
Felixstowe	1017.2	-16	SW	2	bf	34	65	3	-	-	-	0	0	-	0	0
Gorleston	1014.3	-20	SW'W	3	bc	34	65	6	-	8	-	0	2-3	-	0	2
Cranwell	1012.8	-30	SW	4	c	40	95	6	6	4	-	9	9+	2500	0	*
Cardington	1015.3	-16	SW	3	c	37	95	6	5	6	-	4-6	7-8	5700	*	*
Birmingham	1014.2	-18	SW	3	c	42	95	6	5	7	-	4-6	7-8	800	0	*
Upper Heyford	1016.2	-20	S'W	3	ir	37	95	6	5	2	-	4-6	9	450	1	*
Leafield	1016.0	-14	SW	4	c	40	95	6	5	-	-	9+	9+	450	0	*
Ross-on-Wye	1015.6	-16	SW	3	c	47	95	6	5	-	1	9	9	4000	1	*
Portland Bill	1017.9	-10	W'S	5	c	51	85	6	8	6	-	4-6	9	1500	0	3
Plymouth	1019.7	-16	ENE	2	c	43	95	6	5	-	-	9+	9+	1500	1	1
Falmouth	1019.7	-6	W'S	3	c	51	95	8	8	9	-	4-6	7-8	4000	1	2
Scilly (St. Mary's)	1021.5	-4	WNW	5	c	52	95	8	4	-	2	4-6	7-8	4000	0	2
Guernsey	1021.0	-4	W	1	c/do	47	85	7	8	-	-	10	10	2500	0	2
Pembroke	1018.1	-6	W	4	ir	58	95	7	4	6	-	10	10	800	1	3
Holyhead	1014.0	-2	N'W	6	ir	52	85	8	6	2	8	4-6	9+	1500	1	2
Chester (Sealand)	1013.2	-10	NW'N	3	rr	48	95	5	6	-	-	10	10	800	1	*
L'pool (Bidston)	1012.8	-12	NW'W	3	ro	47	95	7	6	-	-	10	10	1500	1	*
Harrogate	1010.9	-10	SW'W	2	ir	45	95	7	6	2	-	7-8	9+	2500	1	*
Spurn Head	1011.5	-12	W'S	4	ir	42	95	6	6	2	-	7-8	9+	2500	1	3
Tynemouth	1010.0	-14	W	2	c	46	85	6	6	-	-	7-8	7-8	1500	1	2
Inchkeith	1009.8	-2	W	4	bc	44	95	8	5	4	-	4-6	4-6	2500	0	2
Leuchars	1010.3	+8	W	3	bc/p	43	85	9	7	4	-	4-6	4-6	4000	1	*
Renfrew	1012.5	+12	W	1	b	39	95	7	8	-	-	Tr	Tr	2500	1	*
Eskdalemuir	1010.8	-2	NW	4	bc	42	85	9	8	4	-	2-3	2-3	1500	1	*
Tiree	1013.3	+20	NNW	5	bc	48	75	8	7	6	-	2-3	4-6	2500	0	3
Stornoway	1011.6	+20	NW	2	c	43	95	8	6	7	-	4-6	7-8	1500	1	1
Dalwhinnie	1011.1	+18	W	1	bc	37	75	8	4	1	-	2-3	4-6	450	0	*
Aberdeen	1008.5	+6	WNW	3	c	42	85	8	5	1	-	7-8	9	2500	1	1
Wick	1008.1	+12	W	3	ir	39	95	8	9	8	8	4-6	7-8	1500	1	2
Lerwick	1007.0	+14	-	0	bc	40	85	8	2	-	3	4-6	4-6	1500	1	*
Blacksod Point	1018.0	+24	N	3	bc	50	75	8	5	-	-	4-6	4-6	800	0	3
Malin Head	1015.1	+18	NW	5	bc	49	85	8	2	-	-	4-6	4-6	2500	0	4
Aldergrove	1015.1	+6	WSW	2	bc	43	85	8	2	-	8	2-3	4-6	2500	1	*
Donaghadee	1013.5	+12	WNW	5	q	46	85	8	8	3	-	4-6	4-6	2500	1	3
Birr Castle	1017.0	+10	SSW	1	c	48	95	7	5	-	-	9	9	1500	1	*
Valentia Obsy.†	1020.0	-2	W	4	c/pr	54	95	8	5	-	-	9+	9+	800	1	3
Roches Point	1018.3	-10	W	4	c	52	85	8	3	-	-	7-8	7-8	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 27th Hrs. (36)
London (Kew)	43	25	18	-	-	1.1
Croydon	46	26	22	-	-	4.6
S. Farnborough	48	20	10	Tr.	Tr.	6.5
Winchester	49	21	12	Tr.	Tr.	7.5
Boscombe Down	50	28	11	-	0.1	*
Calshot, (S'thmtn)	51	29	22	-	Tr.	9.5
Dungeness	48	22	*	-	-	*
Lympne	45	28	20	-	-	9.1
Shoeburyness	50	22	14	-	-	8.5
Felixstowe	50	30	24	-	-	9.1
Gorleston	49	31	24	-	-	8.9
Cranwell	49	33	27	Tr.	Tr.	7.3
Cardington	*	*	*	*	*	*
Birmingham	46	36	31	-	-	7.7
Upper Heyford	48	29	18	-	0.1	*
Leafield	46	32	16	-	-	8.5
Ross-on-Wye	49	33	25	-	-	6.7
Portland Bill	48	39	*	-	-	*
Plymouth	(52)	35	32	-	0.3	4.1
Falmouth	49	43	*	-	0.1	8.6
Scilly (St. Mary's)	52	45	*	-	0.2	7.1
Guernsey	51	36	27	-	Tr.	9.3
Pembroke	50	48	*	Tr.	Tr.	1.6
Holyhead	53	51	48	Tr.	4	0.8
Chester (Sealand)	54	40	34	-	3	3.8
L'pool (Bidston)	50	45	43	Tr.	5	2.6
Harrogate	47	40	31	-	3	5.6
Spurn Head	49	39	*	-	0.4	7.1
Tynemouth	52	45	40	-	1	*
Inchkeith	52	43	40	2	5	2.4
Leuchars	53	38	29	1	2	1.3
Renfrew	52	39	31	13	5	1.0
Eskdalemuir	47	41	37	3	5	0.0
Tiree	52	43	39	1	2	0.0
Stornoway	53	39	*	1	4	2.3
Dalwhinnie	48	36	30	8	2	0.0
Aberdeen	52	39	30	0.1	Tr.	0.0
Wick	49	38	*	6	6	*
Lerwick	48	39	*	2	0.5	1.0
Blacksod Point	57	48	*	1	3	*
Malin Head	55	47	*	14	7	0.0
Aldergrove	52	43	38	-	3	0.6
Donaghadee	54	45	*	-	2	*
Birr Castle	56	47	43	2	4	3.9
Valentia Obsy.†	55	52	47	2	1	0.1
Roches Point	52	47	*	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 9h.
Kew	18	ofcbf	bcfofsc	bfxcfx	43	25	18	-	-	1.1	*	*	3
Croydon	217	obffx	bffy x	bffcnox	46	26	22	-	-	4.6	*	*	6
Greenwich (Royal Observatory)	149	Fbf	by	bfxcm	48	24	10	-	Tr	3.6	46	84	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.8	*	*	*
Westminster (St. James' Park)	27	*	*	*	41	27	25	0.3	*	0.0	95	86	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square	110	xf	fc	*	37	30	23	-	-	*	At 18h. 87		*
Kensington	80	fo	of	*	37	27	19	-	-	0.0	62	85	*
Hampstead Observatory	450	bcmof	bc	*	43	26	17	-	Tr	4.0	*	88	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.
4.0	14-15h 27th	1.0	7hr 28th

Kew Observatory Max.	Time.	Min.	Time.
DEFECTIVE		RECORD	

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 27th October Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 28th October 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	1019.9	NNE	2	b	36	1020.1	W	2	m	25	45	23	-	-
Brussels	1020.0	E	2	b	34	1018.0	WSW	1	b	23	41	19	-	-
Berlin	1028.8	ENE	3	bc	34	1015.9	ESE	3	o	34	43	32	-	-
Zurich	1016.2	ENE	1	do do	32	1014.8	NNE	1	3	31	36	31	0.2	0.1
Rome														

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 29th. October 1931.

No. 25,543

OBSERVATIONS at 13h. G.M.T. 28th. 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)...	1014.3	-14	WNW	3	pr	48	95	5	6	7	-	2.3	10	2500
	Croydon ...	1014.3	-14	W'S	3	dd	51	85	6	5	-	-	10	10	1500
	S. Farnborough	1014.6	-14	NNW	3	ir	55	75	7	6	-	-	9+	9+	1500
	Winchester ...	1014.9	-14	WNW	4	ir$_0$	53	86	7	5	2	-	9	10	1500
	Boscombe Down	1015.6	-10	NW	4	c/r	53	95	7	5	2	-	7-8	10	1500
	Calshot, S'thmtn	1016.0	-16	W'N	5	pr	56	75	6	5	7	-	7-8	10	2500
	Dungeness ...	*	*	W	4	c	*	*	6	9	2	*	7-8	9+	1500
	Lympne ...	1013.7	-30	W	4	c/d	49	95	6	6	2	-	9	10	1500
2	Shoeburyness	1013.6	-16	WSW	3	df	48	95	4	6	-	-	10	10	450
	Felixstowe ...	1013.0	-20	WSW	3	c/r	47	95	5	5	-	-	7-8	7-8	1500
	Gorleston ...	1010.9	-14	WNW	3	c	44	95	6	5	-	-	9	9	2600
	Cranwell ...	1012.2	0	~~56~~ NWW	~~3~~ 5	bc	52	65	6	1	-	-	4-6	4-6	2500
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1016.0	+4	NNW	4	bc	50	65	6	6	-	-	4-6	4-6	1500
	Upper Heyford	1015.0	+8	NW	4	bc	52	75	7	2	-	8	2.3	4-6	2500
	Leafield ...	1014.9	+10	NWN	6	bc	49	75	8	1	4	6	1	2.3	4000
4	Ross-on-Wye ...	1016.1	+8	N	3	c	52	65	9	2	-	8	4-6	7-8	4000
5	Portland Bill	1015.9	-10	W	5	c	56	75	8	4	7	-	7-8	10	1500
	Plymouth ...	1018.2	-10	WNW	4	pr	56	85	7	6	-	-	9+	9+	1500
	Falmouth ...	1019.2	-6	WN	5	q	56	75	8	8	3	8	4-6	7-8	4000
	Scilly (St. Mary's)	1021.1	-10	WNW	5	c	57	85	7	4	2	-	7-8	9	4000
	Guernsey ...	1019.4	-6	W	5	c	56	85	7	8	3	-	7-8	9	2500
6	Pembroke ...	1018.2	+10	NW	2	bc	52	95	8	5	6	-	4-6	4-6	1500
7	Holyhead ...	1017.1	+10	NNW	5	bc	52	75	8	2	-	-	2.3	2.3	2500
	Chester (Sealand)	1016.2	+12	NW	5	q	52	65	8	8	-	-	4-6	4-6	2500
8	L'pool (Bidston)	1015.2	+8	NW	5	bc	50	65	8	1	-	-	2.3	2.3	4000
9	Harrogate ...	1012.9	+6	N	3	b	49	55	9	1	-	-	1	1	4000
10	Spurn Head ...	1010.6	-2	NWN	6	c	50	75	7	2	4	-	4-6	7-8	4000
	Tynemouth ...	1011.7	+12	NNW	3	bc	49	55	7	2	-	-	4-6	4-6	2500
11	Inchkeith ...	1013.5	+16	WNW	3	c	49	85	8	1	3	-	4-6	7-8	4000
	Leuchars ...	1013.2	+12	NWN	5	bc	49	55	9	7	-	-	2.3	2.3	4000
12	Renfrew ...	1015.7	+14	NWW	3	bc	50	66	8	7	-	-	2.3	2.3	2500
	Eskdalemuir ...	1014.1	+14	NW	4	bc	46	55	8	2	-	-	4-6	4-6	2500
13A	Tiree ...	1017.5	+14	NNW	5	bcjp	49	85	9	7	-	1	2.3	2.3	2500
13B	Stornoway ...	1016.7	+16	N	2	c	46	85	8	8	-	-	9	9	2500
15	Dalwhinnie ...	1014.7	+8	NNW	3	bc	43	75	8	8	-	-	4-6	4-6	800
	Aberdeen ...	1012.1	+16	NW	4	pr$_0$	46	75	8	3	-	-	2.3	2.3	1500
	Wick ...	1011.7	+24	NNW	4	bc	46	75	8	9	8	-	4-6	4-6	2600
16	Lerwick ...	1011.0	+16	N	4	bc/pr	44	66	8	8	3	-	4-6	4-6	1500
17	Blacksod Point	1020.8	+22	N	3	bc	53	55	9	7	-	-	2.3	2.3	800
18	Malin Head ...	1018.6	+12	NNW	4	bc/pr	50	85	8	3	6	-	2.3	4-6	2600
	Aldergrove ...	1018.0	+10	NWW	4	c	51	65	8	8	-	1	4-6	7-8	2600
	Donaghadee ...	1016.9	+10	N'W	5	q	51	65	8	8	3	9	4-6	4-6	4000
19	Birr Castle ...	1020.7	+16	NNW	2	c	52	65	8	8	-	8	4-6	7-8	2600
20	Valentia Obsy.	1022.2	+8	NWW	2	c	54	85	8	5	2	-	7-8	9+	1500
	Roches Point...	1020.6	~~+8~~ +10	NW	4	bc	53	75	9	3	-	4	~~2.3~~ 4-6	4-6	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	1017.3	+20	NWW	2	b	46	65	5	-	-	-	0	0	-	1	*
Croydon	1016.7	+18	NWW	3	b	45	75	6	-	-	-	0	0	-	1	*
S. Farnborough	1017.5	+24	NW	3	b	45	75	8	4	-	1	Tr.	Tr.	4000	0	*
Winchester	1018.2	+22	NWN	2	b	40	85	7	5	-	-	1	1	4000	0	*
Boscombe Down	1018.4	+18	N'W	3	bc	44	75	7	4	-	-	2.3	2.3	4000	1	*
Calshot, S'thmtn	1017.6	+12	NW	3	b	46	75	6	-	-	1	0	Tr.	-	0	1
Dungeness	*	*	WNW	2	bc	*	*	6	5	1	*	4-6	4-6	1500	*	1
Lympne	1015.1	+14	NWN	4	b	44	85	5	-	-	-	0	0	-	1	*
Shoeburyness	1015.6	+20	WSW	2	bc	45	75	6	4	-	-	2.3	2.3	2500	0	*
Felixstowe	1014.8	+22	WNW	2	b	46	65	8	-	-	-	0	0	-	0	1
Gorleston	1012.9	+16	NWW	3	bc	45	76	6	8	-	-	4-6	4-6	2500	0	2
Cranwell	1015.9	+20	NWW	4	b	42	75	6	4	-	-	1	1	4000	1	*
Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birmingham	1018.1	+16	NW	4	b	45	76	6	4	-	-	1	1	2500	1	*
Upper Heyford	1017.1	+14	NW	4	b	44	76	7	4	-	8	Tr.	Tr.	4000	1	*
Leafield	1017.9	+14	NWN	3	b	42	85	8	5	-	8	Tr.	Tr.	4000	0	*
Ross-on-Wye	1018.7	+16	NWW	2	b	46	75	8	1	-	1	Tr.	Tr.	4000	0	*
Portland Bill	1018.1	+16	NW	6	bc	60	85	8	4	-	-	2.3	2.3	2600	0	4
Plymouth	1020.4	+20	NW	4	b	50	76	8	3	-	1	Tr.	Tr.	1500	1	1
Falmouth	1021.2	+10	NNW	3	bc	51	75	8	8	-	2	4-6	4-6	4000	0	2
Scilly (St. Mary's)	1022.7	+14	NNW	2	c	53	85	7	4	-	-	7-8	7-8	4000	0	2
Guernsey	1018.9	+8	NW	5	c	54	96	9	8	-	-	7-8	7-8	1500	1	4
Pembroke	1020.3	+12	N	2	c	48	85	8	4	6	-	7-8	7-8	1500	0	2
Holyhead	1018.9	+12	NNW	6	bc	51	65	8	4	-	1	2.3	4-6	2500	1	3
Chester (Sealand)	1018.8	+20	NWW	3	pr	47	75	7	8	-	-	4-6	4-6	2500	1	*
L'pool (Bidston)	1018.0	+14	NW	5	c	48	75	9	8	-	-	7-8	7-8	1500	0	
Harrogate	1016.3	+20	W	3	b	42	75	8	1	-	-	Tr.	Tr.	4000	1	*
Spurn Head	1013.8	+10	NNW	6	bc	46	75	6	-	1	-	0	2.3	-	0	4
Tynemouth	1015.3	+14	NW	2	bc	45	65	6	2	-	-	4-6	4-6	2500	0	2
Inchkeith	1016.2	+14	NW	3	bc	46	85	8	5	4	-	2.3	4-6	4000	0	1
Leuchars	1016.3	+22	WNW	2	bc	42	75	8	4	-	4	4-6	4-6	4000	0	*
Renfrew	1018.0	+18	WNW	2	c	44	76	8	7	-	2	1	7-8	2500	1	*
Eskdalemuir	1016.8	+16	SE	1	b	39	75	8	4	-	1	Tr.	1	1500	1	*
Tiree	1018.3	+12	NWN	3	c	48	85	8	5	7	-	4-6	7-8	2500	0	2
Stornoway	1018.2	+8	-	0	c	39	95	7	6	7	-	7-8	9+	2600	1	9
Dalwhinnie	1018.4	+18	SW	1	c	36	85	7	3	1	-	4-6	7-8	800	1	
Aberdeen	1015.5	+26	NW	3	pr	42	95	8	9	-	-	7-8	7-8	1500	1	1
Wick	1015.6	+20	NNW	4	c/pr	41	85	8	3	8	8	4-6	7-8	1500	1	3
Lerwick	1013.9	+10	N'W	3	c	40	75	7	8	-	-	7-8	7-8	1500	1	*
Blacksod Point	1021.7	+6	N	3	bc	49	75	8	5	8	-	4-6	4-6	450	0	3
Malin Head	1019.9	+8	NNW	3	c/pr	48	85	8	8	3	-	7-8	7-8	2600	0	3
Aldergrove	1020.7	+16	W'S	1	c	44	85	8	5	3	8	2.3	7-8	2500	1	*
Donaghadee	1019.0	+8	NNW	2	bc	46	75	8	8	2	-	2.3	4-6	2500	0	1
Birr Castle	1021.1	+6	NNW	1	bc	45	75	8	-	4	9	0	2.3	-	1	*
Valentia Obsy.	1023.6	+14	NW	1	pr$_0$	62	95	6	5	-	-	10	10	800	1	2
Roches Point	1022.3	+16	NW	2	bc	50	65	8	5	-	-	2.3	2.3	2500	0	2

PAST 24 HOURS.

Stations	Weather 7h.—13h. 28th (37)	13h.—18h. 28th (38)	18h. 28th to 1h. 29th (39)	1h.—7h. 29th (40)
London (Kew)	cfcpbm$_0$	bcz$_0$bz$_0$	bm	cm$_0$
Croydon	cm r$_0$d	cdrybz$_0$	bbcm$_0$	cm$_0$w
S. Farnborough	bcccr$_0$	cr$_0$ bV	bbxc	cxbc
Winchester	cm$_0$cr$_0$	cprb	bx	bxbcc
Boscombe Down	cp$_0$r$_0$ r$_0$	cbc	bcb	bbc
Calshot, S'thmtn	cpr$_0$	cqbcm$_0$	b, cwm	cw
Dungeness	d	r	*	o
Lympne	cm$_0$d$_0$	cd$_0$rbm	bbcmx	cmxwm$_0$
Shoeburyness	bm$_0$r$_0$d$_0$m	cbcm$_0$	bcm$_0$	bcm$_0$
Felixstowe	bcz$_0$cr$_0$	cm$_0$bc!	bbc	c
Gorleston	bcoVo	cbcm$_0$	bccm$_0$	cbcm$_0$
Cranwell	PRfm	bcz$_0$b	bz$_0$c	cm$_0$
Cardington	*	*	*	bbccm$_0$
Birmingham	r$_0$bc	bcb	b	bccp$_0$r
Upper Heyford	r$_0$r$_0$m$_0$	bcb	bx	p$_0$rir$_0$
Leafield	cirobc	bc	bbc	bc
Ross-on-Wye	copcbc	bcVb	bbcc Ⓤ	cc
Portland Bill	c	cbc	bbc	bc
Plymouth	bm$_0$c	cpr$_0$b	b	bwc
Falmouth	cbccq	cp$_0$bc	bc	bccr$_0$
Scilly (St. Mary's)	cbcc	cbc	c	cp$_0$c
Guernsey	corc	coirv	cbc	bc
Pembroke	cirbc	c	bc	cir$_0$
Holyhead	cbc	bc	bccⓊ	c
Chester (Sealand)	cpr$_0$qbc	bcqV	cpr$_0$in$_0$	cprm$_0$
L'pool (Bidston)	ircbc	bqcVq	cvcc	circp
Harrogate	cb	b	bbc	bbc
Spurn Head	mrcmc	cbc	bcc	bcc
Tynemouth	cbcq	bcq	bc	bc
Inchkeith	bcc	cbc	bcc	cm$_0$
Leuchars	bcVqy	bcVqy	bccx	cxⓊ
Renfrew	b	bcjqc	cbc	bccx
Eskdalemuir	bbcy	bcyb	b, cx	cx
Tiree	bc	bcc	cpr	cid$_0$
Stornoway	cpr, h	cpr	cpr	cp$_0$r
Dalwhinnie	irbc	ir		bc
Aberdeen	bcir$_0$	bccpr	cprbc	bcx
Wick	cirbc	cpr	bcprc	c
Lerwick	bcpr	bcpr$_0$	cpr	cp$_0$r bc
Blacksod Point	bc	bc	c	prcq
Malin Head	bcpr$_0$	bccpr$_0$	cjpcprc	cir$_0$
Aldergrove	bcb	bcpr$_0$	c	cr
Donaghadee	pr$_0$gcq	bc	bc	bc
Birr Castle	c	cbc	bcxc	cr$_0$c
Valentia Obsy.	cpr$_0$c	cpr$_0$	cp$_0$rcr	c
Roches Point	cp$_0$bcV	bcVbc	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.
f$_e$, 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. "t r" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky. "9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

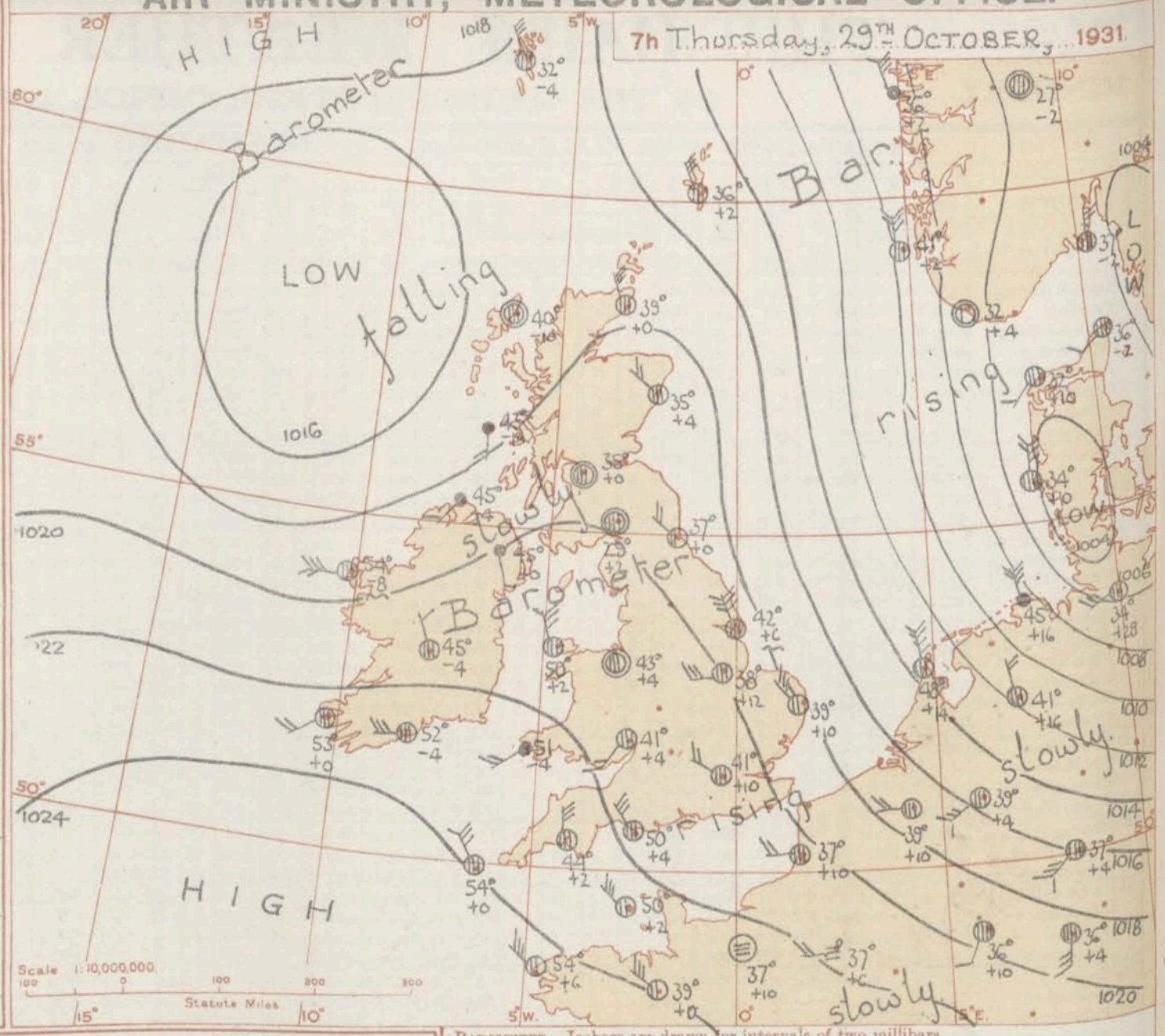
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 28th October 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.	oco	oroob	21	51	-	1	1·1
	Bournemouth	bcc	cbc	27	57	Trace	-	3·0
	Ventnor ...	opob	opobz	36	57	0·3	1	0.4
	Southsea ...	omr.	cobc	29	55	0·2	-	0·9
	Bognor Regis	bccid	idbcb	30	54	Trace	0·3	1·4
	Littlehampton	cbcc	cpbcc	27	54	Trace	0·1	1·0
	Worthing ...	o	oroc	30	56	-	Trace	0.4
	Brighton ...	fc	dc c	27	(53)	-	Trace	0.6
	Eastbourne†	cor.o	orocb	28	53	-	0·2	0.2
	Hastings† ...	oco	oroc	33	52	-	2	0·8
	Folkestone ...	xbom	odmb	32	52	-	0·2	2·5
	Dover... ...	yc	corbm	29	52	-	0·2	2·2
	Deal	b bcor	ocbc	29	52	-	0.5	2·6
	Ramsgate ...	bcc	rcbc	33	51	-	1	3·0
	Margate ...	cbc	cdbc	32	51	-	1	3.4
2	Southend ...	bcor	orfb	31	51	-	0.5	2.6
	Maldon ...	xmcor	cbc	20	52	-	1	3·0
	Clacton-on-Sea	bcore	cbc	30	51	-	1	4·2
	Dovercourt ...	xbcm	bcpbc	30	50	-	Trace	4.0
	Lowestoft ...	biqpb	bigb	27	48	-	(Trace)	3.4
	Skegness ...	robc	bco	34	52	2	-	6.0
	Mablethorpe	cbc	bbc	33	52	3	-	5.0
	Cleethorpes ...	oroc	pbc	32	52	4	-	5.5
3	Leamington S.	orc	c	28	52	0·6	-	3.6
4	Cheltenham†	oir	bcb	30	54	Trace	2	5·8
5	Bath	roc	cbcb	29	55	0.3	0.5	3.0
	Weymouth ...	cbcdo	cb	30	58	Trace	Trace	2·6
	Jersey ...	crc	cbcr	37	58	-	0.5	1·5
	Torquay ...	bcpo	b3o	33	59	0·1	0·1	3·8
	Penzance ...	bc	cprb	38	59	0.3	0.2	5.6
	St. Ives ...	bcpbc	c	42	57	9	Trace	3·8
	Bude	cpbc	cbc	30	(55)	0.4	0.6	2·3
	Ilfracombe ...	orc	bcb	39	56	2	0.6	2.5
6	Aberystwyth	cprc	cbc	39	58	5	-	3·8
7	Llandudno ...	bc	bc	44	53	2	-	5·8
	Colwyn Bay...	rbc	bcc	46	51	3	-	5·8
	Rhyl	cbc	bc	43	52	2	-	4·2
8	Wallasey ...	bcpb	pbc	38	52	4	Trace	6·8
	Southport‖ ...	cbc	bcb	40	51	9	-	6.8
	Blackpool ...	orcbc	bcc	40	51	7	-	7.5
	Morecambe ...	rrpbc	b	37	50	8	-	8.0
9	Ilkley... ...	cbc	b	37	52	7	-	6.4
10	Berwick-on-T.	bc	bcc	41	49	6	-	5.6
11	Dunbar ...	bcr	bc	41	50	5	-	6.3
12	Douglas ...	circbc	bbccb	44	51	6	1	6.0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



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

Districts	Forecasts for the 24 hours commencing 12 noon, G.M.T. 29th October 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Wind westerly, light or moderate, mainly cloudy, showers; perhaps slight rain tomorrow; moderate temperature.
4. W. Midlands 5. S.W. England 6. South Wales	Wind westerly, light or moderate, mainly cloudy, showers; moderate temperature.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind westerly, light or moderate, cloudy, slight rain later, improving tomorrow; moderate temperature.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland	Light or moderate variable winds, becoming west to northwest tomorrow, cloudy, slight rain today, showers, perhaps of hail or sleet locally, tomorrow; moderate temperature then colder.
15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate or fresh northwest winds, variable sky, showers, perhaps some hail or sleet; rather cold or cold, night frost.
17. N.W. Ireland 18. N.E. Ireland	Moderate or fresh westerly winds, cloudy, some rain or showers then improving; moderate temperature.
19. S.E. Ireland 20. S.W. Ireland	As 4 - 6.

GENERAL INFERENCE.

Between anticyclones over the Bay of Biscay and Iceland a shallow depression has developed off Northwest Scotland and will probably move southeast. Another depression, south of Greenland, although at present inactive will probably spread east slowly. Weather will be mainly cloudy with occasional local rain in the north and showers elsewhere.

FURTHER OUTLOOK.

None issued.

Forecasts issued at 1000 G.M.T.

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

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

1931.

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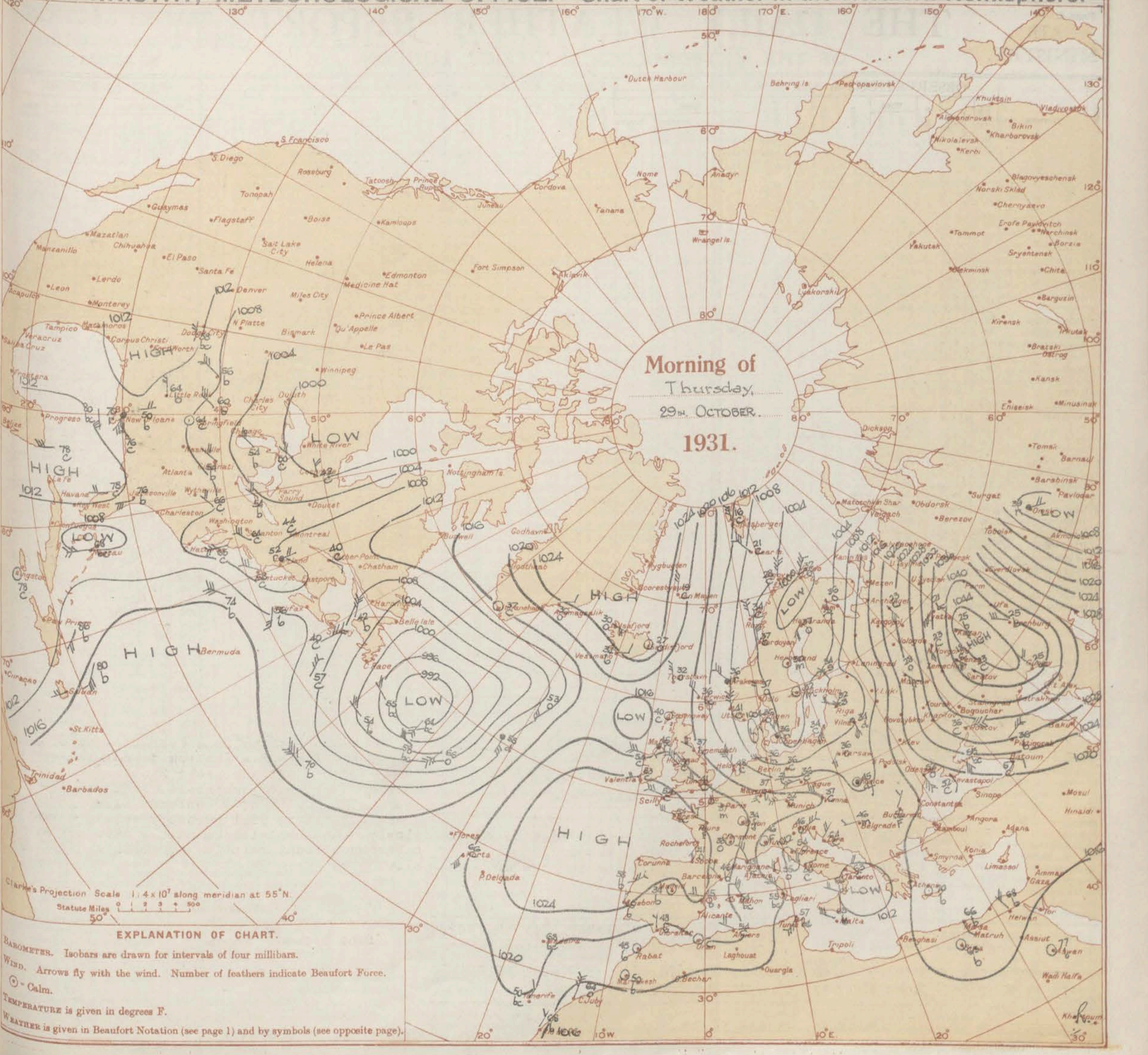
AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



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 29th October 1931.

No. 25,543

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

District.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1019.8	+4	W	3	c	39	85	6	-	-	6	0	7-8	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1021.1	+10	W'S	3	c	41	86	8	-	4	7	0	10	-
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1018.3	+10	NW	4	c	36	85	4	-	5	-	0	7-8	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1015.3	+6	NW'W	3	c	39	95	6	4	-	-	7-8	7-8	2500
	Cranwell	240	1018.4	+4	W'S	3	c	39	86	5	-	-	7	0	10	-
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	336	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1021.5	+8	NW'N	3	bc	49	75	7	-	4	8	0	4-6	-
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1023.9	0	WNW	2	bc	48	75	8	2	3	-	2-3	4-6	4000
	Scilly (St. Mary's)	163	1024.2	+4	W'N	2	c	52	95	8	5	-	-	9	9	4000
	Guernsey	175	1022.6	+12	NW	1	bc	48	95	8	8	-	-	4-6	4-6	2500
6	Pembroke	142	1021.8	+4	W	3	bc	51	75	8	4	6	-	2-3	4-6	1500
7	Holyhead	26	1020.2	0	NNW	5	c	51	75	8	8	-	-	9+	9+	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1015.7	+2	NW'N	5	c	43	85	7	5	7	-	2-3	9+	5700
	Tynemouth	67	1018.0	+6	WNW	3	bc	39	85	7	2	-	-	2-3	2-3	2500
11	Inchkeith	190	1018.6	+8	WNW	2	bc	43	85	8	4	8	-	2-3	4-6	4000
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1018.1	0	-	0	d	39	95	8	8	1	-	4-6	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1016.7	0	NNW	4	c	38	85	8	8	7	8	7-8	9	2500
16	Lerwick	54	1016.0	+6	N'W	3	c	35	86	7	8	-	-	7-8	7-8	1500
17	Blacksod Point	18	1020.3	-4	W	1	c	51	75	8	-	5	-	0	9+	-
18	Malin Head	52	1020.2	0	NNW	3	c	49	85	8	2	5	-	1	7-8	2500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1024.0	+6	W'S	3	bc	53	95	8	5	-	-	4-6	4-6	2500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 29th 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)	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)	1021.0	+8	W'S	1	c	40	85	5	5	7	8	4-6	7-8	4000	1	*
	Croydon	1021.0	+10	W'N	2	c	41	85	6	5	7	-	2-3	9	2500	1	*
	S. Farnborough	1021.4	+8	WNW	1	bc	37	95	7	-	7	6	0	4-6	-	0	*
	Winchester	1022.2	+8	WNW	2	bc	36	95	7	-	4	5	0	4-6	-	0	*
	Boscombe Down	1022.2	+8	W	3	bc	40	85	7	-	3	-	0	4-6	-	0	*
	Calshot, (S'thmtn)	1021.8	+2	WNW	3	c	43	85	7	5	9	6	1	7-8	4000	0	1
	Dungeness	*	*	W	2	c	*	*	7	5	2	*	4-6	9	4000	*	0
	Lympne	1019.5	+6	NW	3	c	37	95	6	5	7	-	2-3	9+	5700	1	*
2	Shoeburyness	1019.8	+10	W'S	1	c	40	95	6	-	6	-	0	7-8	-	1	*
	Felixstowe	1019.3	+12	W	2	c	41	85	6	5	3	-	4-6	7-8	7200	0	1
	Gorleston	1017.6	+10	WNW	3	bc	39	95	6	8	-	-	4-6	4-6	2500	0	2
	Cranwell	1020.0	+12	W	3	c	38	85	5	2	7	8	Tr	9+	4000	0	*
3	Cardington	1019.8	+8	WNW	2	c	40	95	6	5	7	-	4-6	9	5700	*	*
	Birmingham	1021.1	+4	W	3	c	41	85	6	5	7	-	1	9	2500	1	*
	Upper Heyford	1021.5	+8	WNW	3	c/r	41	85	7	5	7	6	4-6	7-8	1500	1	*
	Leafield	1021.4	+8	W'N	3	c	39	85	8	5	3	8	4-6	7-8	4000	0	*
4	Ross-on-Wye	1021.4	+4	SW	2	c	41	85	8	5	1	-	9	9+	4000	0	*
5	Portland Bill	1021.9	+4	WNW	3	c	50	75	8	4	2	-	7-8	10	2500	0	3
	Plymouth	1023.4	+2	N	3	c	44	85	7	5	-	-	9+	9+	2500	0	1
	Falmouth	1023.4	+2	WNW	2	c	50	85	8	8	3	-	4-6	7-8	4000	0	1
	Scilly (St. Mary's)	1024.2	0	NWW	4	c	54	95	7	7	3	1	4-6	7-8	4000	0	2
	Guernsey	1022.9	+2	WNW	3	bc	50	85	8	8	3	-	4-6	4-6	2500	0	2
6	Pembroke	1023.0	-4	WSW	2	idₒ	51	85	8	8	-	-	~~6~~	~~7~~	1500	1	1
7	Holyhead	1020.3	+2	NW	4	c	50	75	8	4	2	-	2-3	10	1500	1	2
	Chester (Sealand)	1020.7	+4	-	0	c	43	95	5	5	2	-	7-8	9+	1500	1	*
8	L'pool (Bidston)	1020.4	+2	NE	1	rₒrₒ	44	85	7	6	-	-	9	9	1500	1	*
9	Harrogate	1019.8	+6	WSW	2	bc	37	85	7	5	4	-	2-3	2-3	4000	1	*
10	Spurn Head	1018.1	+6	NW'N	6	c	42	75	6	4	3	-	2-3	7-8	4000	0	5
	Tynemouth	1018.2	0	WNW	2	bc	37	85	6	2	6	-	2-3	4-6	2500	0	2
11	Inchkeith	1018.6	+2	SW	2	c	39	95	5	5	5	-	4-6	7-8	1500	0	1
	Leuchars	1018.3	-2	WSW	2	c	34	95	9	2	6	8	Tr	9	4000	4	*
12	Renfrew	1019.3	0	-	0	c	35	95	6	-	7	-	0	9+	-	1	*
	Eskdalemuir	1020.1	+2	-	0	c	29	85	8	-	-	9	0	9+	-	4	*
13A	Tiree	1017.2	-14	S'W	2	dₒdₒ	43	95	8	6	2	-	4-6	9+	2500	1	1
13B	Stornoway	1016.7	-10	-	0	c	40	95	7	4	2	-	7-8	10	2500	1	0
15	Dalwhinnie	1018.6	-2	-	0	bc	30	75	8	5	1	-	2-3	4-6	2500	0	*
	Aberdeen	1017.9	+4	WNW	2	c	35	95	8	8	-	8	4-6	9	2500	1	1
	Wick	1016.8	0	NW	3	c	39	75	8	8	3	8	4-6	9	2500	1	2
16	Lerwick	1015.1	+2	NW	3	bc	36	75	8	5	-	-	4-6	4-6	1500	1	*
17	Blacksod Point	1019.2	-8	W	5	c	54	95	8	8	-	-	9+	9+	220	1	4
18	Malin Head	1019.0	-4	SW	1	rₒrₒ	45	95	7	6	2	-	7-8	10	1500	1	2
	Aldergrove	1020.6	0	S'E	1	rₒrₒ	4~~6~~0	95	6	5	-	-	10	10	800	1	*
	Donaghadee	1019.3	-4	WSW	2	bc	41	95	8	5	2	-	4-6	4-6	1500	0	1
19	Birr Castle	1020.8	-4	NNW	1	c	45	95	7	5	-	-	9	9	1500	1	*
20	Valentia Obsy.†	1023.9	0	WSW	2	c	53	95	8	5	3	-	2-3	7-8	800	1	2
	Roches Point	1022.1	-4	W	3	c	52	85	8	5	-	-	9	9	2500	0	2

PAST 24 HOURS.

District.	Stations.	Temperature. Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Night 18h-7h mm. (35)	Sunshine 28th. Hrs. (36)
1	London (Kew)	52	37	27	1	Tr.	2.2
	Croydon	52	38	33	1	Tr.	1.3
	S. Farnborough	55	33	19	0.1	Tr.	2.5
	Winchester	55	33	26	0.3	Tr.	2.1
	Boscombe Down	53	36	36	0.1	-	*
	Calshot, (S'thmtn)	56	38	35	Tr.	-	1.5
	Dungeness	53	33	*	0.6	Tr.	*
	Lympne	60	35	30	0.4	Tr.	1.7
2	Shoeburyness	51	37	29	0.2	-	3.6
	Felixstowe	52	39	37	1	-	3.3
	Gorleston	51	39	34	2	-	4.1
	Cranwell	52	36	33	2	-	5.8
3	Cardington	*	*	*	*	*	*
	Birmingham	51	41	34	1	0.6	4.4
	Upper Heyford	52	38	27	0.3	0.1	*
	Leafield	51	37	31	1	-	3.7
4	Ross-on-Wye	55	38	28	0.4	-	4.2
5	Portland Bill	57	47	*	-	-	*
	Plymouth	57	39	35	Tr.	-	4.3
	Falmouth	57	47	*	0.1	Tr.	6.9
	Scilly (St. Mary's)	57	50	*	0.3	Tr.	4.8
	Guernsey	57	48	41	2	-	2.6
6	Pembroke	54	45	*	1	~~Tr.~~	3.5
7	Holyhead	52	50	44	-	-	6.5
	Chester (Sealand)	52	40	36	0.3	3	5.3
8	L'pool (Bidston)	50	43	41	0.2	3	6.3
9	Harrogate	49	36	31	-	-	7.5
10	Spurn Head	50	42	*	5	-	5.7
	Tynemouth	50	36	32	-	-	*
11	Inchkeith	50	39	35	-	-	6.2
	Leuchars	50	30	20	-	-	7.6
12	Renfrew	53	33	28	-	-	8.3
	Eskdalemuir	49	28	25	-	-	8.2
13A	Tiree	50	40	35	-	1	7.1
13B	Stornoway	49	37	*	1	1	4.1
15	Dalwhinnie	48	27	15	1	-	3.6
	Aberdeen	47	34	26	1	0.2	5.7
	Wick	47	31	*	1	Tr.	*
16	Lerwick	45	35	*	0.6	0.6	4.9
17	Blacksod Point	54	47	*	-	1	*
18	Malin Head	50	45	*	0.3	2	4.7
	Aldergrove	~~5~~51	35	30	0.1	0.5	6.1
	Donaghadee	52	40	*	0.2	-	*
19	Birr Castle	53	38	26	-	0.5	7.1
20	Valentia Obsy.†	55	51	46	0.2	0.5	0.0
	Roches Point	55	45	*	0.1	-	*

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather Morning. (24 hrs. ended 9h.)	Weather Afternoon. (24 hrs. ended 9h.)	Weather Night. (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day. mm.	Rainfall Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity 15h. G.M.T. % (Yesterday.)	Humidity 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	cfqbm₀	bc₃₀b₃₀	bmcm₀	52	37	27	1	Tr.	2.2	*	*	5
Croydon	217	cm₈r₀d	cdrybₓ₀	bbcmₓw	52	38	33	1	Tr.	1.3	*	*	5
Greenwich (Royal Observatory)	149	crₓm	cfb₃	b₃cwₓf	52	39	26	Tr.	Tr.	0.2	70	78	3
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.7	*	*	*
Westminster (St. James' Park)	27	*	*	*	52	38	31	-	-	1.0	70	79	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	1.2	*	*	*
Camden Square	110	c	crb	*	52	39	30	Tr.	Tr.	*	At 18h. 83		*
Kensington	80	bcm	bcm	*	53	39	28	Tr.	-	1.2	63	84	*
Hampstead Observatory	450	ofₓ	bc	*	53	35	27	Tr.	Tr.	1.9	*	84	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
1.3	22h 28th	NIL	5.6hrs 29th

Kew Observatory. Max.	Time.	Min.	Time.
Defective Record.			

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 28th October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 29th October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
Paris	1017.3	SW	3	c3	46	1021.4	W	2	m	37	48	36	-	0.1
Brussels	1013.8	SW'S	3	o/r	41	1017.4	W	2	c	39	45	36	0.3	Tr.
Berlin						1005.7	SW	6	c/d	36		30		Tr.
Lisbon	1018.6	W	1	o	34	1020.6	N	1	sₒsₒ	32	36	30	-	1
Rome	1008.6	SSW	2	c	59	1013.4	E	1	c	50	66	50	-	*

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

FRIDAY, 30th OCTOBER, 1931.

No. 25,544

OBSERVATIONS at 13h. G.M.T. 29th 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)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	1021.2	-4	W	2	c	49	65	6	-	7	-	0	10	-
	Croydon	1021.0	-10	W	3	c	49	65	6	1	2	8	1	10	2500
	S. Farnborough	1021.5	-6	WN	3	c	51	65	7	6	1	-	2.3	10	1500
	Winchester	1022.1	-4	WN	3	ir	49	75	7	5	-	-	10	10	5700
	Boscombe Down	1022.3	-2	WNW	3	ir	49	65	7	5	2	-	1	10	1500
	Calshot, S'thmtn	1022.3	-6	SWW	2	c/pr	50	75	6	5	2	-	4.6	10	4000
	Dungeness	*	*	NWW	2	c	*	*	6	5	1	*	7.8	7.8	1500
	Lympne	1020.7	-6	NW	4	c	48	65	5	-	3	7	0	9+	-
2	Shoeburyness	1020.9	-2	WNW	3	c	50	75	6	5	1	8	7.8	9+	4000
	Felixstowe	1020.3	0	W	3	c	48	45	7	-	-	8	0	7.8	-
	Gorleston	1019.2	+4	NWW	3	c	48	75	6	4	-	8	2.3	9	2500
	Cranwell	1019.6	-12	SWW	2	c	46	65	6	5	7	8	2.3	10	5700
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birminghan.	1020.6	-4	WSW	3	r.r.	46	75	6	6	2	-	4.6	10	800
	Upper Heyford	1021.2	-2	WNW	3	ir.	48	75	8	6	2	-	4.6	10	2500
	Leafield	1021.1	0	WN	3	ir.	46	75	8	6	7	-	4.6	10	2500
4	Ross-on-Wye	1020.8	-6	WS	3	ir.	48	75	8	6	2	-	1	10	2500
5	Portland Bill	1022.6	0	NW	2	c	51	65	7	8	2	-	7.8	10	2500
	Plymouth	1022.9	-6	W	2	o	52	95	7	5	-	-	10	10	1500
	Falmouth	1023.3	-12	WN	5	q	56	85	8	8	-	-	7.8	7.8	4000
	Scilly (St. Mary's)	1024.7	-2	WNW	4	bc	58	85	7	2	4	4	2.3	4.6	4000
	Guernsey	1023.6	-2	WSW	3	c	55	85	7	8	-	-	10	10	2500
6	Pembroke	1022.0	-8	WSW	2	c	51	95	7	8	-	-	9+	9+	1500
7	Holyhead	1018.0	-26	SW	4	r.r.	47	95	6	6	2	-	9	10	800
	Chester (Sealand)	1019.7	-14	WSW	2	r.r.	48	85	6	5	-	-	10	10	1500
8	L'pool (Bidston)	1019.1	-6	WSW	3	rr	45	95	6	6	-	-	10	10	1500
9	Harrogate	1018.6	0	WSW	2	c	46	75	7	6	-	7	1	10	2500
10	Spurn Head	1018.5	0	NWW	3	c	46	75	6	5	1	1	4.6	9+	2500
	Tynemouth	1017.8	-16	W	2	o	46	75	6	6	-	-	10	10	1500
11	Inchkeith	1015.0	-18	SW	1	ir	43	95	7	6	-	-	10	10	800
	Leuchars	1016.0	-22	SW	1	r.r.	42	85	6	5	-	-	10	10	4000
12	Renfrew	1016.1	-26	SW	3	r.r.	45	85	6	6	2	-	9	10	1500
	Eskdalemuir	1016.8	-20	SW	3	c	41	85	8	2	2	-	1	10	1500
13A	Tiree	1012.4	-42	SES	3	RR	45	96	6	6	-	-	10	10	800
13B	Stornoway	1013.2	-16	E	3	rr	42	95	7	5	2	-	9	10	800
15	Dalwhinnie	1016.1	-20	SE	2	rr	37	95	6	4	-	-	10	10	800
	Aberdeen	1016.0	-14	WNW	2	ir.	42	65	7	6	2	-	4.6	10	1500
	Wick	1015.8	-8	WSW	2	c	42	75	8	5	9	8	4.6	7.8	2500
16	Lerwick	1013.4	-12	WN	2	bc/p	36	85	7	8	-	-	4.6	4.6	800
17	Blacksod Point	1017.6	-10	W	6	q	56	85	8	8	-	-	9+	9+	220
18	Malin Head	1011.6	-58	SWW	4	rr	53	95	5	6	-	-	10	10	800
	Aldergrove	1016.6	-42	SE	4	rr	44	95	6	6	2	-	9	10	450
	Donaghadee	1016.6	-32	SW	2	rr	45	95	7	6	-	-	9+	9+	800
19	Birr Castle	1019.6	-14	W	3	c	55	85	8	6	7	-	7.8	10	1500
20	Valentia Obsy.	1022.9	-10	SWW	4	bc	57	85	8	2	-	4	1	4.6	1500
	Roches Point	1021.0	-4	NW	3	c	58	65	9	5	-	5	2.3	7.8	2500

OBSERVATIONS at 18h. G.M.T. 29th 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)	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)	1019.4	-10	SSW	2	rr	45	95	5	6	-	-	10	10	1600	1	*
	Croydon	1019.6	-10	SSW	3	r.r.	44	95	5	5	2	-	9	10	1600	0	*
	S. Farnborough	1019.1	-14	SSW	1	r.r.	44	95	6	5	2	-	9	10	1500	1	*
	Winchester	1019.5	-12	SWW	3	c	46	85	7	5	2	-	4.6	10	2600	1	*
	Boscombe Down	1019.7	-14	SW	3	c	46	95	7	5	2	-	7.8	10	1500	0	*
	Calshot, S'thmtn	1020.4	-16	WSW	3	c/r	48	85	7	5	2	-	4.6	10	2600	1	1
	Dungeness	*	*	SWW	2	r.r.	*	*	6	9	2	*	4.6	9+	2500	*	0
	Lympne	1019.6	-4	WSW	3	r.r.	44	95	5	6	2	-	7.8	10	1500	1	*
2	Shoeburyness	1019.5	-4	W	3	r.r.	45	95	5	6	-	-	10	10	2600	1	*
	Felixstowe	1019.2	-8	SSW	2	r.r.	47	85	7	6	-	-	10	10	1500	1	0
	Gorleston	1018.2	-8	SW	1	id.	44	75	6	6	-	-	10	10	1500	0	2
	Cranwell	1016.0	-22	SSW	3	rr	42	95	5	6	2	-	7.8	10	2500	1	*
3	Cardington	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birminghan.	1016.3	-26	SSW	3	rr	43	95	6	6	-	-	10	10	800	1	*
	Upper Heyford	1018.0	-18	SWS	3	rr	43	95	6	6	-	-	10	10	1500	1	*
	Leafield	1017.9	-16	SW	4	rr	43	95	5	6	-	-	10	10	220	1	*
4	Ross-on-Wye	1017.3	-14	SWW	4	c	48	85	6	6	-	-	9+	9+	2600	1	*
5	Portland Bill	1020.8	-18	NW	3	c	51	85	8	5	2	-	4.6	7.8	1500	0	2
	Plymouth	1021.9	+2	W	4	c	53	95	8	2	3	6	Tr.	7.8	1500	0	1
	Falmouth	1023.6	+4	W	3	c	53	85	8	8	3	-	4.6	7.8	4000	0	1
	Scilly (St. Mary's)	1023.8	0	W	5	c	53	95	7	4	4	8	4.6	7.8	4000	0	3
	Guernsey	1022.4	-2	WSW	4	c	55	95	8	8	1	-	4.6	7.8	2500	1	3
6	Pembroke	1019.1	(-10)	WSW	4	c	55	96	7	6	6	-	~~7.8~~ 4.6	~~9~~ 7.8	1500	0	2
7	Holyhead	1014.3	-16	W	6	r.r.	54	85	6	5	-	-	9+	9+	4000	1	3
	Chester (Sealand)	1013.6	-34	SWW	4	r.r.	50	85	6	6	2	-	7.8	10	1500	1	*
8	L'pool (Bidston)	1011.5	-34	W	6	rr	49	95	7	6	-	-	10	10	1600	2	*
9	Harrogate	1013.3	-40	S	2	rr	41	95	5	6	-	-	10	10	2500	1	*
10	Spurn Head	1014.8	-8	SW	2	rr	43	95	6	6	-	-	10	10	1500	1	3
	Tynemouth	1012.9	-22	SSW	2	rr	42	95	6	6	-	-	10	10	1500	1	2
11	Inchkeith	1011.6	-28	SE	2	rr	40	95	8	6	-	-	10	10	2500	1	1
	Leuchars	1012.0	-18	E	1	r.r.	41	95	5	6	2	-	9+	10	450	1	*
12	Renfrew	1010.6	-24	ENE	2	ir.	40	95	6	6	2	-	7.8	10	1500	1	*
	Eskdalemuir	1009.9	-48	-	0	rs	37	95	6	5	-	-	10	10	450	1	*
13A	Tiree	1011.4	+16	NNE	3	id.	45	95	9	6	-	-	9+	9+	1500	1	2
13B	Stornoway	1012.9	+8	E	2	c	41	95	8	6	7	-	7.8	9+	1500	2	1
15	Dalwhinnie	1012.4	-16	SSE	1	is	33	95	5	8	-	-	10	10	220	1	*
	Aberdeen	1012.4	-18	WSW	1	r.r.	38	95	6	6	-	-	10	10	2600	1	1
	Wick	1013.2	-6	NW	2	c	39	75	8	8	-	-	9+	9+	1500	0	2
16	Lerwick	1012.5	-4	WNW	3	bc/ps	33	95	7	8	-	-	4.6	4.6	1500	6	*
17	Blacksod Point	1016.3	-4	W	7	q	55	85	7	-	7	-	0	10	-	0	4
18	Malin Head	1010.0	0	WNW	6	rr	51	95	5	6	-	-	10	10	800	1	4
	Aldergrove	1011.2	-18	SWW	4	r.r.	53	95	7	6	2	-	9	10	450	1	*
	Donaghadee	1009.8	-18	WSW	2	ir.	53	85	7	6	-	-	7.8	7.8	800	1	0
19	Birr Castle	1018.1	-6	NW	3	c	54	85	8	5	4	-	1	9	1500	1	*
20	Valentia Obsy.	1022.2	-2	SWW	4	c	55	95	8	5	-	-	9+	9+	1500	1	2
	Roches Point	1020.6	0	N	3	bc	56	75	9	5	-	9	2.3	4.6	2500	0	2

PAST 24 HOURS.

District	Stations	Weather. 7h.–13h. 29th (37)	Weather. 13h.–18h. 29th (38)	Weather. 18h. 29th to 1h. 30th (39)	Weather. 1h.–7h. 30th (40)
1	London (Kew)	bcc3.	cir.cr	corrm.	cm.cr.c
	Croydon	cbcm.⊕	c3.r.r.	crrr.m.	cr.rc
	S. Farnborough	bcc	c.r.r.	or.r.c	cir.crq
	Winchester	cor.	or.r.c	cr.c	cor
	Boscombe Down	bccr.	cir.c	c	corrm.
	Calshot, S'thmtn	cm.pr.	cir.r.	c	cir.
	Dungeness	o	d	*	r
	Lympne	cm.	c.r.r.	orrm	prr.q
2	Shoeburyness	cm.	cor.rm.	or.r.m.	oirbc
	Felixstowe	c3.	cyo.r.o	overrr	orrq
	Gorleston	bccm.	cm.o	orrq	oir.q
	Cranwell	m63.	r.r.	rrm.c	cprbc
3	Cardington	*	*	*	*
	Birminghan.	cobr.	orr	orrir	oro.cbcm.
	Upper Heyford	cr.	r.r.rr	or.r.c	corrqc
	Leafield	cir.	oirr	orrc	cqrc
4	Ross-on-Wye	cd	r.c	cq	coirc
5	Portland Bill	bc	cir.o	c	c
	Plymouth	bc.o	obc	b.c	bcc
	Falmouth	cbq	cqbc	bcq	bcq
	Scilly (St. Mary's)	cbc	bcc	cbccp	cbcc
	Guernsey	bcco	oirc	cbcc	ocbc
6	Pembroke	of dc	c	cr.	oir.
7	Holyhead	r.r.m.	rr.r.	com.q	porc
	Chester (Sealand)	cir.m.o	r.rm.	orrm.	or.m.c
8	L'pool (Bidston)	corr	orrq	rrq.r.	cq.bc
9	Harrogate	bcc	corr	corrq	cb
10	Spurn Head	bc	cor	orrc	cprq
	Tynemouth	bco	orr	orror	oir.hq
11	Inchkeith	cm.oir	oirrr	cir.bc	bcb
	Leuchars	coir.m.	oir.mbc	cr.r.m.	cbxv
12	Renfrew	of r.r.	crrr.	r.cbc	bcbx
	Eskdalemuir	cxc	corrs	crc	bcb
13A	Tiree	orR	Rrde	cid.	cpr.
13B	Stornoway	orr	cir.	cprbc	bcp.s
15	Dalwhinnie	bc(r)	b(rs)	*	b
	Aberdeen	cir.	orr	or.crs	cpsbc
	Wick	c	c	crrcprsq	cprsq.bc
16	Lerwick	bcps.ph	bcps	bccps	cps
17	Blacksod Point	prq	cq	cq	ir
18	Malin Head	orrmm.	ORRmm.	oRcpr	cp.rc
	Aldergrove	rr	orr.r.	cr.r.Rc	cbbc
	Donaghadee	bccrr	crrir.	cir.	cp.rc
19	Birr Castle	c	c	c	corro
20	Valentia Obsy.	cbc	bcc	cbcc	cbcc
	Roches Point	cV	cbcV	bcvbc	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.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, or 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_n, slight rain.
rr, continuous rain.
< , less than (for cloud height).
⊕, Solar halo. ☾, lunar halo.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; –, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29.—STATE OF GROUND.

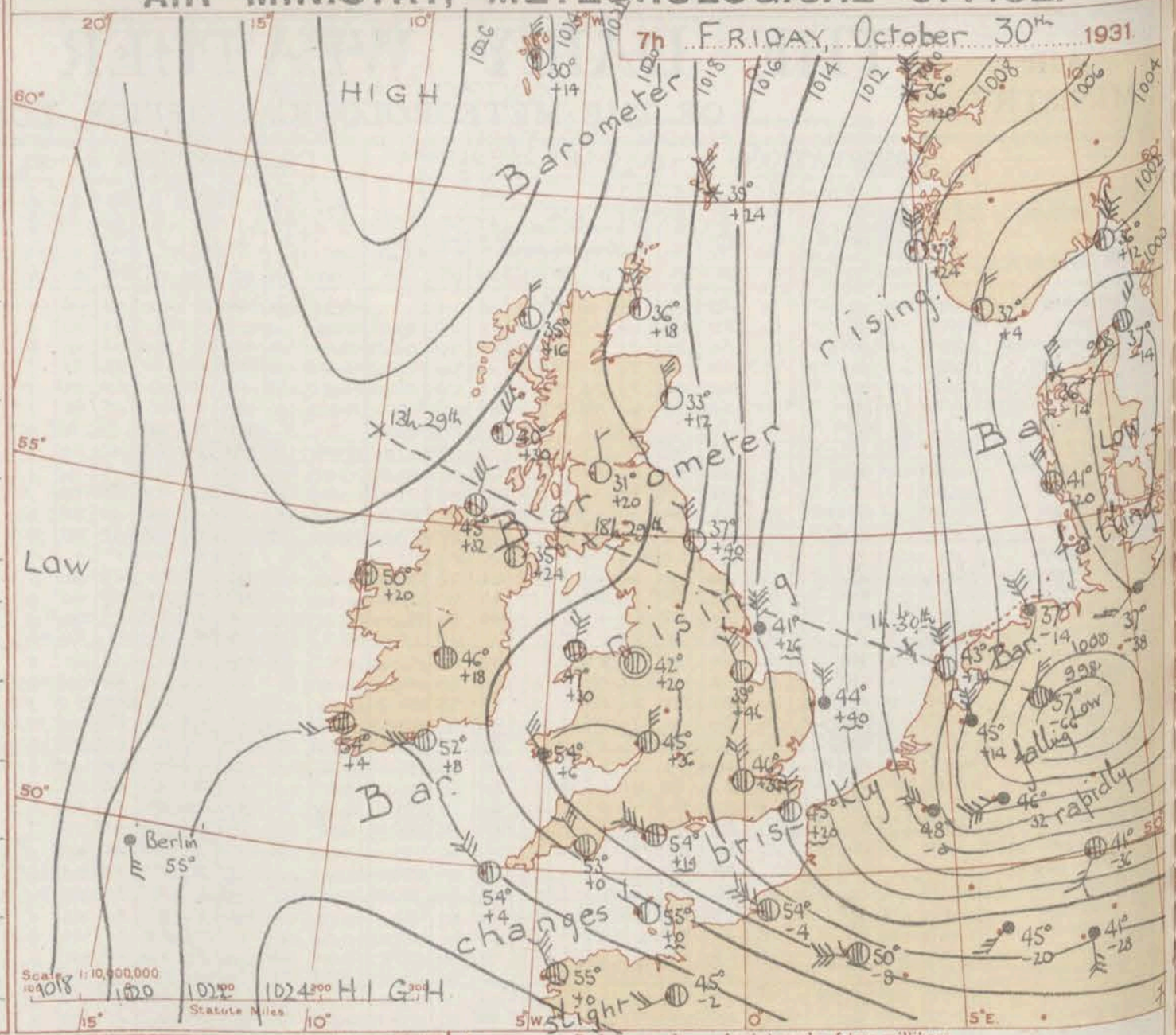
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 29th OCTOBER 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.	bbec	o or	36	49	-	1	2·2
	Bournemouth	co	dom	39	50	-	Trace	0·2
	Ventnor ...	bou	popcu	41	49	-	Trace	0.3
	Southsea ...	co	o	37	50	-	-	0.3
	Bognor Regis	bccid	cid	38	50	-	Trace	0.4
	Littlehampton	bcc	cr.	37	49	Trace	Trace	0.5
	Worthing ...	co	od.	39	51	-	Trace	0.4
	Brighton ...	oco	od	40	50	-	0.4	0.0
	Eastbourne†	co	ororc	42	60	-	1	0.8
	Hastings† ...	bcoc	3corm	37	51	0.1	0.4	0.9
	Folkestone ...	wcm.	cor.	39	50	-	Trace	0.7
	Dover... ...	mocbco	mcor	42	49	-	Trace	0.2
	Deal	oco	bcoc	38	50	-	-	0.9
	Ramsgate ...	cbc	bcc	40	50	-	-	1.7
	Margate ...	bcc	bcc	43	50	-	-	1.8
2	Southend ...	bmbc	bccor	38	50	Trace	Trace	1.0
	Maldon ...	oc	cor	38	50	-	Trace	1.1
	Clacton-on-Sea	bcc	cog	36	49	-	-	1.1
	Dovercourt ...	bcc	bcc	38	49	-	-	0.9
	Lowestoft ...	bc3b3	bczc	37	47	-	-	3.1
	Skegness ...	oc	com.	35	47	Trace	-	0.4
	Mablethorpe	bco	om.r.	35	47	0.5	Trace	0.3
	Cleethorpes ...	b3co	od	37	46	Trace	0.1	0.0
3	Leamington S.	o	or	37	48	-	2	0.0
4	Cheltenham†	om.o	oirom	33	47	Trace	1	0.0
5	Bath	cr.	r.c	37	51	-	Trace	0.1
	Weymouth ...	cec	c	42	52	-	Trace	0.3
	Jersey ...	rcbc	bcrc	45	56	1	1	1.5
	Torquay ...	cmomcbcbm.		36	55	-	-	0.0
	Penzance ...	cb	b	46	60	0.3	-	5·1
	St. Ives ...	o	c	50	57	Trace	-	2.7
	Bude	ipoc	cbc	34	56	Trace	0.3	0.5
	Ilfracombe ...	o	oc	50	56	-	-	0.0
6	Aberystwyth	bccor	orrc	48	53	1	4	0.0
7	Llandudno ...	r.	rr	47	52	0.2	7	0.0
	Colwyn Bay...	orr	rr	45	52	0.3	8	0.0
	Rhyl	orr	orr	45	51	2	5	0.0
8	Wallasey ...	r.r	rr	42	48	4	8	0.0
	Southport‖ ...	orr	rr	43	48	3	12	0.0
	Blackpool ...	or	or	42	47	-	8	0.0
	Morecambe ...	mcor	rdror	38	46	-	7	0.0
9	Ilkley... ...	c	cR	33	47	-	3	0.0
10	Berwick-on-T.	oco	r.r.o	32	43	-	1	0.0
11	Dunbar ...	bcxm.	orr	35	44	-	2	0.0
12	Douglas ...	oRR	oRRoq	43	51	Trace	9	0.0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with the wind. Number of feathers indicate Beaufort force. Calm, - ⊙
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :—
○ Clear sky. ◐ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◑ Sky 6/10 to 9/10 clouded. ● Overcast sky.
● Rain falling. ✱ Snow. ▲ Hail. ≡ Fog. ≡ Mist. ⊤ Thunder. ⊼ Thunderstorm.
SEA DISTURBANCE. ~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 30th Oct., 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Moderate or fresh northerly winds, variable sky, showers, perhaps of hail locally; moderatetemperature to rather cold; night frost.
4. W. Midlands 5. S.W. England 6. South Wales	Wind westerly, moderate becoming southwest or variable later; variable sky, showers, cloudy with perhaps drizzle later; moderate temperature.
7. North Wales 8. N.W. England 9. N. Midlands	Moderate or fresh northerly winds, becoming variable later; showers of rain or hail; rather cold, night frost.
10. N.E. England 11. S.E. Scotland	Moderate or fresh northerly winds; cloudy or variable sky, showers of rain sleet or hail; rather cold, night frost.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland.	Light or moderate northerly to variable winds, mainly cloudy and rather cold at first; probably milder tomorrow with some drizzle.
14. Mid-Scotland	Light or moderate northerly to variable winds; variable sky, showers of rain, or snow; cold, night frost.
15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate northerly winds, variable sky; showers of rain or snow; cold, night frost.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Winds becoming southwesterly, light to moderate; variable to cloudy sky, probably some drizzle later; moderate temperature.

GENERAL INFERENCE.

A depression which crossed the British Isles during the night is now centred over the Netherlands. A small anticyclone between Scotland and Iceland is moving east or southeast, and a ridge of high pressure southwest of Ireland east, while a depression on the Atlantic is spreading northeast. Showers and bright intervals will be general except in the extreme west where cloudier conditions with some drizzle are indicated.

FURTHER OUTLOOK.

None issued.

Forecasts issued at 1015 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2. Pe 305/2321. m. 75. 8/31. G.808 31000 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

FRIDAY, 30th OCTOBER, 1931.

No. 25,544

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1012.6	-30	WSW	5	c/r	51	86	6	5	7	-	4-6	10	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1016.6	-18	WSW	5	c	52	85	8	5	9	-	1	7-8	4000
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1012.1	-36	W'S	4	o/r	48	95	5	5	-	-	10	10	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1005.6	-60	W	4	r.r.	46	95	6	6	-	-	10	10	1500
	Cranwell	240	1007.0	-8	W	5	c	50	85	7	6	-	-	10	10	1500
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1016.9	-16	W	7	c	50	75	8	4	9	-	4-6	7-8	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1021.5	-2	W'S	4	q	61	95	8	8	-	-	7-8	7-8	4000
	Scilly (St. Mary's)	163	1023.1	-6	W'N	6	c	54	95	7	4	6	-	4-6	7-8	4000
	Guernsey	175	1021.1	-10	WSW	5	c	54	85	8	8	-	-	7-8	7-8	2500
6	Pembroke	142	1016.4	-6	WSW	6	c	55	95	7	3	-	-	10	10	1500
7	Holyhead	26	1013.3	+8	N	6	c/pr	50	95	7	6	-	-	10	10	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1005.2	-2	NW'N	6	c	45	95	6	3	4	-	4-6	9+	2500
	Tynemouth	67	1010.4	+12	NW	2	o	41	95	7	6	-	-	10	10	1500
11	Inchkeith	190	1013.7	+18	N	3	bc	39	95	8	7	4	-	1	2-3	4000
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1019.9	+22	N	2	bc	35	85	8	7	-	-	2-3	2-3	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1015.3	+12	NNW	4	prs	36	85	8	3	8	-	4-6	7-8	1500
16	Lerwick	54	1013.5	+10	NW	3	ps	33	85	6	9	-	-	7-8	7-8	800
17	Blacksod Point	18	1017.3	+6	NNW	3	DD	51	95	6	6	-	-	10	10	<150
18	Malin Head	52	1016.2	+22	N'W	4	c/p	47	85	7	9	-	-	9+	9+	1500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1021.3	-6	W	6	o	54	95	8	4	-	-	10	10	2500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)	1016.0	+40	N	4	c	45	75	7	5	1	-	7-8	9	2500	1	*
Croydon	1015.5	+36	NNW	5	c/r	46	75	6	5	2	-	9+	10	800	1	*
S. Farnborough	1016.0	+28	NW	5	c/r	45	85	8	5	2	-	4-6	9+	4000	1	*
Winchester	1016.6	+22	N'W	4	id	47	95	6	6	-	-	10	10	450	1	*
Boscombe Down	1016.9	+20	NW'N	5	ir.	45	95	6	6	-	-	10	10	450	1	*
Calshot, (S'thmtn)	1015.5	-6	W'N	5	c	53	85	8	5	-	-	9+	9+	2500	1	3
Dungeness	*	*	NW	3	r.r.	*	*	4	8	2	-	4-6	10	1500	*	4
Lympne	1013.8	+20	NNW	6	c/r	45	95	6	5	-	-	9+	9+	4000	1	*
Shoeburyness	1014.6	+50	NW	5	c	44	95	7	5	-	-	7-8	7-8	2500	1	*
Felixstowe	1012.7	+50	WNW	4	o	45	85	8	5	-	-	10	10	1500	1	3
Gorleston	1010.4	+40	N	5	ir.	44	95	6	6	-	-	9	9	1500	1	4
Cranwell	1016.2	+46	NW	4	bc	39	95	6	5	-	1	4-6	4-6	800	1	*
Cardington	1015.4	+44	NW'N	3	bc	41	85	6	5	7	8	2-3	2-3	5700	*	*
Birmingham	1018.4	+36	NNW	3	bc	40	85	6	5	-	1	2-3	4-6	2500	1	*
Upper Heyford	1016.8	+50	NNE	5	c	43	85	8	6	-	-	9+	9+	800	1	*
Leafield	1017.1	+40	NNW	4	c	41	85	8	6	-	2	4-6	7-8	1500	1	*
Ross-on-Wye	1017.1	+36	N	3	c	45	75	8	8	-	8	9	9+	4000	1	*
Portland Bill	1016.5	+14	W'N	7	c	54	75	8	8	7	-	7-8	10	1500	0	4
Plymouth	1019.9	0	WNW	4	c	53	75	7	6	3	1	2-3	7-8	1500	0	2
Falmouth	1021.0	+2	W'N	4	c	53	85	8	5	8	-	4-6	7-8	4000	0	2
Scilly (St. Mary's)	1022.8	+4	WNW	5	c	54	95	7	5	3	-	2-3	7-8	4000	0	3
Guernsey	1020.5	0	WNW	5	bc	55	65	8	7	-	-	4-6	4-6	2500	0	4
Pembroke	1017.6	+6	WNW	3	ir.	54	95	7	3	-	-	10	10	800	1	2
Holyhead	1018.9	+30	NNE	5	c	47	75	7	4	-	9	7-8	9	1500	1	2
Chester (Sealand)	1019.0	+20	-	0	c	42	85	6	5	2	-	4-6	7-8	4000	1	*
L'pool (Bidston)	1018.8	+30	NNE	3	bc	41	85	7	5	-	4	2-3	2-3	2500	1	*
Harrogate	1017.9	+40	NNW	3	b	37	85	8	6	4	-	Tr.	Tr.	2500	1	*
Spurn Head	1013.2	+26	N'W	7	r	41	95	7	3	2	-	4-6	9+	2500	1	4
Tynemouth	1017.6	+40	NW	4	bc/r	37	85	7	9	-	-	4-6	4-6	1500	1	4
Inchkeith	1020.7	+24	N	3	b	35	85	8	7	-	-	1	1	4000	0	2
Leuchars	1020.2	+30	NW	3	b	33	75	9	8	-	-	Tr.	Tr.	4000	4	*
Renfrew	1021.8	+20	NW	2	b	31	75	8	-	-	-	0	0	-	4	*
Eskdalemuir	1020.2	+30	NNW	4	b	31	75	8	1	4	-	Tr.	Tr.	2500	4	*
Tiree	1021.8	+30	NNE	4	bc	40	65	9	7	6	-	2-3	4-6	2500	0	3
Stornoway	1022.3	+16	N	2	bc	35	75	9	8	7	-	2-3	4-6	4000	1	2
Dalwhinnie	1022.8	+28	N	1	b	25	95	8	1	-	-	1	1	2500	0	*
Aberdeen	1018.2	+12	NW	3	b	33	85	8	3	-	-	1	1	2500	8	1
Wick	1018.7	+18	NW	4	bc	36	85	8	3	8	-	2-3	4-6	1500	5	3
Lerwick	1017.1	+24	NW	4	ps	39	65	6	9	-	-	9+	9+	800	6	*
Blacksod Point	1020.8	+20	N	1	c	50	85	8	-	5	-	0	7-8	-	0	2
Malin Head	1021.4	+32	NNE	4	c	45	65	9	7	-	-	7-8	7-8	2500	0	3
Aldergrove	1021.1	+24	-	0	bc	35	95	8	2	3	1	1	2-3	2500	1	*
Donaghadee	1020.0	+30	W	2	c	45	75	7	5	-	-	7-8	7-8	1500	0	1
Birr Castle	1021.1	+18	NW	1	o	46	95	7	6	-	-	10	10	2500	1	*
Valentia Obsy.†	1022.0	+4	WSW	2	c	54	95	8	5	-	-	9	9	800	1	3
Roches Point	1020.8	+8	W	3	c	52	85	8	5	-	-	7-8	7-8	2500	0	2

PAST 24 HOURS.

Stations	Temperature Max. Day 7h-18h °F. (31)	Temperature Min. Night 18h-7h °F. (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 29th Hrs. (36)
London (Kew)	49	44	43	1	5	1.9
Croydon	49	43	42	1	6	2.6
S. Farnborough	51	44	42	0.5	2	0.8
Winchester	50	45	44	0.1	1	0.2
Boscombe Down	49	44	44	Tr.	1	*
Calshot, (S'thmtn)	50	48	47	0.1	0.1 TN	0.4
Dungeness	53	45	*	Tr.	6	*
Lympne	49	41	41	0.3	7	0.8
Shoeburyness	51	42	41	1	5	1.3
Felixstowe	48	43	42	Tr.	6	1.2
Gorleston	48	42	40	Tr.	8	1.8
Cranwell	48	39	37	1	4	0.4
Cardington	*	*	*	*	*	*
Birmingham	46	39	35	4	6	0.0
Upper Heyford	48	43	39	3	4	*
Leafield	47	40	37	2	3	0.1
Ross-on-Wye	49	44	39	0.3	2	0.0
Portland Bill	52	49	*	Tr.	-	*
Plymouth	57	52	50	Nil	-	0.2
Falmouth	58	50	*	0.4	-	3.8
Scilly (St. Mary's)	58	52	*	-	Tr.	8.2
Guernsey	55	54	50	0.5	-	0.3
Pembroke	55	53	*	Tr.	Tr.	0.4
Holyhead	55	46	41	7	0.3	0.0
Chester (Sealand)	50	40	36	6	3	0.0
L'pool (Bidston)	49	40	38	5	4	0.0
Harrogate	46	37	33	3	4	0.2
Spurn Head	46	41	*	0.5	12	0.0
Tynemouth	46	37	32	3	7	*
Inchkeith	43	34	29	4	Tr.	0.0
Leuchars	42	32	26	2	2	0.0
Renfrew	45	29	19	7	0.1	0.0
Eskdalemuir	42	31	27	5	2	0.0
Tiree	46	39	38	13	2	0.0
Stornoway	43	32	*	16	0.4	0.0
Dalwhinnie	37	25	13	5	-	0.0
Aberdeen	42	30	26	2	1	0.0
Wick	42	33	*	-	1	*
Lerwick	39	32	*	0.5	1	3.9
Blacksod Point	57	48	*	Tr.	1	*
Malin Head	53	45	*	21	6	0.0
Aldergrove	53	35	29	5	3	0.0
Donaghadee	53	45	*	11	3	*
Birr Castle	56	46	45	-	3	0.1
Valentia Obsy.†	57	54	50	-	-	4.7
Roches Point	59	50	*	-	-	*

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	bcc3.	cir.cr	crrm.qc	49	44	43	1	5	1.9	*	*	6
CROYDON	217	cbcm. ⊕	c3o.r.r.	crrc.rc	49	43	42	1	6	2.6	*	*	6
GREENWICH (Royal Observatory)	149	cf3	c3drr	rrcqrrc	50	43	37	1	6	0.0	69	77	5
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.5	*	*	*
WESTMINSTER (St. James' Park)	27	*	*	*	51	44	44	6		1.1	66	79	*
REGENTS PK. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	2.0	*	*	*
CAMDEN SQUARE	110	bbc	bccor	*	49	43	39	4	3		At 18h. 82		*
KENSINGTON	80	bc3	oor	*	50	44	37	2	5	1.2	87	78	*
HAMPSTEAD OBSERVATORY	450	bcm	or	*	49	39	32	4	3	2.2	*	82	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 30th

SOUTH KENSINGTON. Max.	Time.	Min.	Time.
1.6	9h. 29th	NIL	0-7h. 30th

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0.4	18h. 29th	< 0.1	1h. 30th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 29th OCTOBER. Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 30th OCTOBER. 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	WSW	2	ir.	48	1017.3	W	7	c	50	52	46	Tr	S
BRUSSELS	1020.2	WSW	2	c	39	1008.2	WNW	5	ir.	48	48	39	8	11
BERLIN	1011.7	WNW	4	o	39	1005.4	SSW	4	c	37	46	36	Tr.	-
ZÜRICH	1023.8	SW	1	o	37	1019.9	W	2	r.r.	39	39	34	-	0.6
ROME						1018.2	NNE	2	b	48		48		S

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 31st OCTOBER, 1931.

No. 25,545.

OBSERVATIONS at 13h. G.M.T. 30th 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)...	1022.8	+26	N	3	bc	46	65	6	8	-	-	4-6	4-6	2500
	Croydon ...	1022.2	+26	N	3	c	45	55	6	8	-	-	7-8	7-8	2500
	S. Farnborough	1023.2	+28	NW	2	c	46	65	7	7	-	1	7-8	7-8	2500
	Winchester ...	1023.0	+24	N	3	c	47	65	7	8	-	1	7-8	9	4000
	Boscombe Down	1023.0	+26	NNE	4	c	48	65	8	1	3	-	4-6	7-8	2600
	Calshot, S'thmtn	1022.6	+14	N	4	c	48	65	8	5	-	1	4-6	7-8	1500
	Dungeness ...	*	*	NW	3	c	*	*	7	8	7	*	7-8	9	1600
	Lympne ...	1020.8	+28	NNW	3	bc	44	75	8	7	-	-	4-6	4-6	2500
2	Shoeburyness	1021.4	+30	NNW	4	bc	48	65	8	4	-	-	4-6	4-6	2500
	Felixstowe ...	1020.9	+30	NNW	4	cjp	41	95	8	8	-	-	7-8	7-8	4000
	Gorleston ...	1019.4	+22	N	6	ir.	45	85	6	3	-	-	4-6	4-6	2600
	Cranwell ...	1022.7	+26	NWN	4	bc	43	65	8	1	-	-	2-3	2-3	2500
3	Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham ...	1023.4	+18	NNE	2	bc	44	55	6	1	-	-	4-6	4-6	2500
	Upper Heyford	1023.6	+24	NNE	4	bc	45	55	7	8	-	8	2-3	2-3	4000
	Leafield ...	1023.5	+16	NNW	3	bc	43	75	8	1	-	6	2-3	4-6	4000
4	Ross-on-Wye ...	1023.8	+14	N'W	2	bc	47	65	8	8	-	1	4-6	4-6	4000
5	Portland Bill...	1022.7	+18	N'E	3	c	50	65	8	4	7	-	7-8	10	2500
	Plymouth ...	1022.7	+14	N	2	id.	53	85	7	5	-	-	10	10	1500
	Falmouth ...	1023.4	+4	WNW	4	cjp	56	85	8	3	7	-	4-6	7-8	4000
	Scilly (St. Mary's)	1024.7	+4	WNW	5	c	58	95	7	2	3	-	1	7-8	4000
	Guernsey ...	1022.2	+6	WN	6	c	56	85	7	8	-	-	10	10	1500
6	Pembroke ...	1023.7	+4	NE	1	c	50	85	7	5	3	-	4-6	9	1500
7	Holyhead ...	1024.2	+18	NE	4	b	47	65	9	4	-	2	1	1	4000
	Chester (Sealand)	1024.6	+20	NNW	2	b	45	55	5	-	-	1	0	Tr.	-
8	L'pool (Bidston)	1024.6	+22	N'E	3	b	42	55	8	-	-	9	0	Tr.	-
9	Harrogate ...	1023.4	+26	N'W	3	b	42	55	8	1	-	-	Tr.	Tr.	4000
10	Spurn Head ...	1020.7	+12	N'W	5	pr	44	75	7	3	1	-	4-6	7-8	2500
	Tynemouth ...	1023.4	+22	NW	3	bc	42	65	7	2	-	-	4-6	4-6	2500
11	Inchkeith ...	1024.5	+12	N	3	bc	41	76	8	7	4	9	1	4-6	4000
	Leuchars ...	1024.0	+18	NNW	2	bc	41	55	9	7	-	9	1	2-3	2500
12	Renfrew ...	1025.7	+14	N	2	b	43	55	8	-	-	1	0	1	-
	Eskdalemuir ...	1024.7	+20	N	4	b	39	55	8	-	-	1	0	1	-
13A	Tiree ...	1026.7	+8	ENE	2	c	44	55	9	-	3	9	0	7-8	-
13B	Stornoway ...	1024.9	+6	-	0	bc	44	65	8	7	7	-	2-3	4-6	4000
15	Dalwhinnie ...	1026.0	+16	NW	2	bc	35	85	8	1	1	-	2-3	2-3	4000
	Aberdeen ...	1022.8	+22	NW	3	bc/phh	41	75	8	3	-	-	2-3	2-3	2500
	Wick ...	1023.0	+16	NNW	4	bc	40	75	8	9	8	8	4-6	4-6	1500
16	Lerwick ...	1020.9	+14	N	3	ps	40	75	7	9	-	-	7-8	7-8	1500
17	Blacksod Point	1023.2	+18	E	3	cjp	50	85	9	-	7	-	0	9	-
18	Malin Head ...	1026.6	+10	NE	3	bc	44	65	9	1	6	9	Tr.	2-3	4000
	Aldergrove ...	1026.4	+14	ENE	2	bc	45	65	8	8	3	1	4-6	4-6	2500
	Donaghadee ...	1026.5	+16	ENE	1	bc	44	66	8	5	3	2	2-3	4-6	2600
19	Birr Castle ...	1024.2	+8	N	1	c	50	85	8	5	7	-	2-3	9	2500
20	Valentia Obsy.	1023.6	+6	WSW	2	bc	58	85	8	8	-	1	2-3	2-3	1500
	Roches Point...	1023.1	+12	NE	2	c/pr	55	85	8	6	-	-	7-8	7-8	2500

OBSERVATIONS at 18h. G.M.T. 30th OCTOBER

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
London (Kew)...	1027.2	+28	NNW	2	c	43	65	6	5	-	6	4-6	9	2500	1	•
Croydon ...	1026.5	+26	NNE	1	c	42	65	4	-	-	6	0	7-8	-	1	•
S. Farnborough	1027.3	+30	N'W	1	bc	37	75	6	5	7	8	Tr.	4-6	4000	1	•
Winchester ...	1027.3	+24	NNE	1	bc	40	75	7	4	-	1	4-6	4-6	4000	1	•
Boscombe Down	1027.6	+22	N	1	bc	39	75	6	-	4	1	0	2-3	-	0	•
Calshot, S'thmtn	1026.6	+22	N	1	bc	40	85	7	5	-	1	1	4-6	2600	0	1
Dungeness ...	*	*	WNW	2	c	*	*	7	5	1	*	4-6	7-8	1500	*	2
Lympne ...	1026.8	+30	NWN	3	c	39	75	7	-	4	2	0	7-8	-	1	•
Shoeburyness	1026.6	+30	N	1	bc	39	85	7	5	-	-	4-6	4-6	2500	1	•
Felixstowe ...	1026.1	+30	NW	3	bc	40	75	8	-	-	1	0	4-6	-	1	2
Gorleston ...	1023.7	+16	NNW	3	bc	41	75	6	8	-	-	4-6	4-6	2500	0	2
Cranwell ...	1027.2	+22	WNW	2	b	35	85	7	-	3	1	0	1	-	1	•
Cardington ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	•
Birmingham ...	1027.3	+20	-	0	c	41	65	5	-	3	-	0	7-8	-	1	•
Upper Heyford	1027.9	+26	NE	2	c	37	75	6	-	2	6	0	7-8	-	1	•
Leafield ...	1027.1	+20	ENE	2	bc	38	75	8	5	-	6	Tr.	4-6	4000	1	•
Ross-on-Wye ...	1027.0	+20	N'W	1	b	40	75	4	-	7	1	0	Tr.	-	1	
Portland Bill...	1026.2	+22	NE	3	c	47	65	7	4	7	-	4-6	7-8	2500	0	2
Plymouth ...	1026.2	+22	-	0	c	49	86	7	5	-	-	10	10	800	0	0
Falmouth ...	1026.4	+18	NE'E	3	ir.	51	95	7	8	2	-	7-8	10	2500	1	2
Scilly (St. Mary's)	1026.5	+16	W'N	3	bc	53	95	7	5	4	-	2-3	4-6	4000	0	2
Guernsey ...	1025.8	+20	NNE	3	dodo	49	95	6	6	-	-	10	10	1500	1	3
Pembroke ...	1026.3	+20	NE	1	c	49	96	7	4	6	-	4-6	7-8	1500	0	1
Holyhead ...	1026.6	+16	E	3	b	43	65	9	4	3	1	Tr.	1	4000	1	1
Chester (Sealand)	1027.6	+20	NNW	1	c	35	75	6	-	5	-	0	7-8	-	0	•
L'pool (Bidston)	1027.4	+10	N'E	2	b	41	55	8	-	-	9	0	Tr.	-	0	
Harrogate ...	1028.1	+30	W	1	b	33	75	7	-	4	-	0	Tr.	-	1	•
Spurn Head ...	1024.5	+10	NNW	5	bc	41	85	7	4	3	-	2-3	4-6	4000	0	5
Tynemouth ...	1025.6	+26	NW	2	bc	37	85	6	2	-	-	4-6	4-6	2500	0	3
Inchkeith ...	1026.0	+12	N	2	b	39	85	8	5	-	-	1	1	2600	0	2
Leuchars ...	1026.4	+20	WNW	2	b	32	85	8	4	4	1	1	1	4000	1	•
Renfrew ...	1027.5	+12	SSE	0	bc	31	75	6	-	7	9	0	4-6	-	1	•
Eskdalemuir ...	1028.6	+22	-	0	b	28	85	8	-	4	-	0	Tr.	-	1	•
Tiree ...	1025.3	0	SSE	3	bc	38	75	8	-	3	-	0	4-6	-	0	2
Stornoway ...	1024.4	0	-	0	c	40	86	8	4	2	-	4-6	9+	2500	1	9
Dalwhinnie ...	1027.8	+8	NE	1	b	27	95	8	1	-	-	1	1	4000	0	
Aberdeen ...	1026.0	+16	NW	3	bc	36	85	8	8	3	9	2-3	2-3	2500	1	1
Wick ...	1025.2	+10	WNW	3	c	36	85	8	8	7	9	4-6	7-8	1500	0	3
Lerwick ...	1022.8	+12	NW	2	c	36	85	7	9	-	-	7-8	7-8	1500	1	•
Blacksod Point	1022.9	-4	E	4	c	50	85	9	-	7	-	0	9+	-	0	3
Malin Head ...	1025.0	0	SSE	3	c	42	85	8	5	3	-	4-6	9+	4000	0	2
Aldergrove ...	1026.7	+8	E'S	2	c	37	75	7	-	5	6	0	9	-	1	•
Donaghadee ...	1026.8	+10	WNW	1	bc	38	75	7	5	3	-	1	2-3	2600	0	0
Birr Castle ...	1024.5	+6	N	1	c	48	85	8	5	-	-	9	9	2500	1	•
Valentia Obsy.	1024.2	+6	S'E	2	c	53	95	8	5	-	1	7-8	7-8	2500	1	2
Roches Point...	1025.1	+8	SE	3	o	51	95	7	5	-	-	10	10	1500	0	2

PAST 24 HOURS. WEATHER.

Stations	7h.–13h. 30th (37)	13h.–18h. 30th (38)	18h 30th to 1h. 31st (39)	1h.–7h. 31st (40)
London (Kew)...	cbczo	czo	czobfx	bfxcfx
Croydon ...	bcczo	bczoy	bcmfx	cFmx
S. Farnborough	cb,c	bcybc	bcbmx	bmxcmx
Winchester ...	drc	cbc	bbcx	cbcmox
Boscombe Down	or.bc	bc	bcmo	bccmo
Calshot, S'thmtn	cbcq	bcy	bxmo	bbcxmo
Dungeness ...	bc	bc	*	bc
Lympne ...	cbc	bc	cbx	b,cxmo
Shoeburyness	bccbc	bc	bcbx	bcmox
Felixstowe ...	bccpr	cpr.bc	bc	bcx
Gorleston ...	obcir.q	bcir.q	bcpro	bccx
Cranwell ...	pr.bc	bccb	bbmox	bcmox
Cardington ...	*	*	*	bbccxmo
Birmingham ...	bc	bcc	cbm	bmc
Upper Heyford	cbcy	bcymo	cmobcx	bcmxc
Leafield ...	cbc	bc	bcbx	bxbc
Ross-on-Wye ...	cbc	bcb	bmbFx	bcmc
Portland Bill...	crrc	c	b	bbcc
Plymouth ...	bcqor.	oidc	codo	ocmo
Falmouth ...	bccq	cpmo	cromo	cmobc
Scilly (St. Mary's)	c	cpc	bcw	bc
Guernsey ...	bcco	odod	odoo	oo
Pembroke ...	c	c	oge	ocu
Holyhead ...	cbcv	bbcv	bbcwc	cmod
Chester (Sealand)	cbzoy	bbcyzo	bcbmo	bmoxo
L'pool (Bidston)	b	bby	bbmbc	bcmcc
Harrogate ...	b	b	b	bbccx
Spurn Head ...	crqcpr	cprbc	bc	bccz
Tynemouth ...	bcph.bc	bc	bcp.bcc	cbc
Inchkeith ...	bbc	bcb	bcc	c
Leuchars ...	bcbvy	bvybx	bxcxmo	cxcmo
Renfrew ...	bcbby	bybc	bcxcmo	cmoo
Eskdalemuir ...	bby	bybcb	bcc	c
Tiree ...	bcvy	bc	c	c
Stornoway ...	bcprs	bccprs	cpro	cprs
Dalwhinnie ...	b	b		rc
Aberdeen ...	cpsbcph	bcph bc	bc proc	c
Wick ...	ph.bc	bcc	c	cdorr
Lerwick ...	cpsfc	cido	c	c,orromo
Blacksod Point	cjp	c	cq	ir
Malin Head ...	cbcv	bcc	c	c
Aldergrove ...	bccbc	bcc	c	c
Donaghadee ...	cbc	bcb	bcc	c
Birr Castle ...	oc	c	c	coir
Valentia Obsy.	cbc	bcc	ccroro	crrroc
Roches Point...	cpc	cpo	ocbc	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.
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.

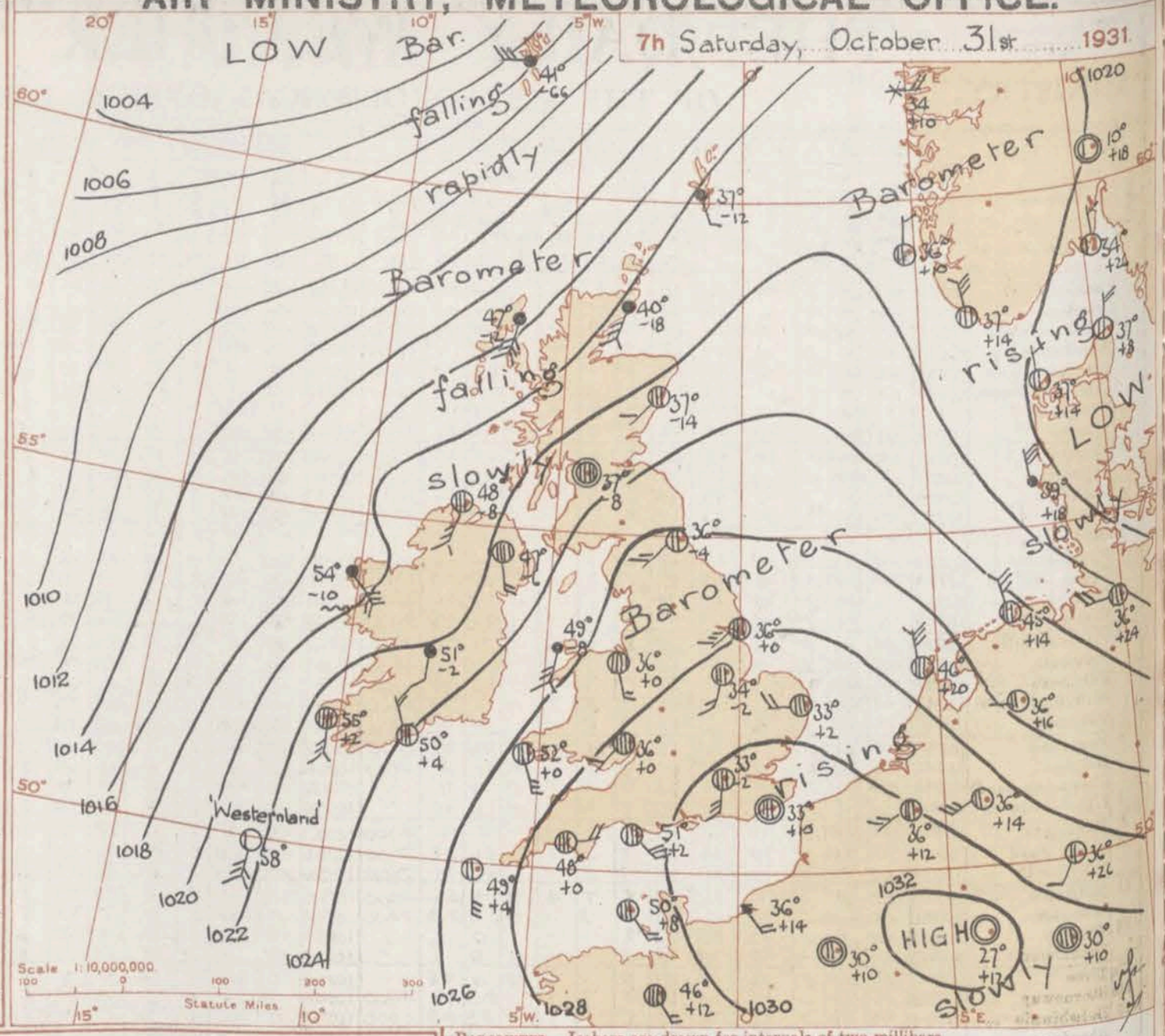
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 30th OCTOBER, 1931.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 29th to 9h. 30th	Temperature. Max. 9h.—17h. 30th	Rainfall. Night. 17h. 29th to 9h. 30th	Rainfall. Day. 9h.—17h. 30th	Sunshine. Sunrise to Sunset. 30th
1	Tunbridge W.	bcc	cbcb	43	47	6	–	2.7
	Bournemouth	bco	ocbm	46	53	0.3	–	3.0
	Ventnor ...	pou	cbcz	46	50	0.5	–	3.3
	Southsea ...	cb	bcb	44	50	0.3	–	6.0
	Bognor Regis	cb	bc	43	50	0.3	–	5.6
	Littlehampton	bc	bc	42	51	0.3	–	6.0
	Worthing ...	bcb	bcb	44	50	0.3	–	6.1
	Brighton ...	bcb	bbc	46	50	0.2	–	7.5
	Eastbourne†	bcb	b	46	53	2	–	6.2
	Hastings† ...	cbc	bbc	45	52	5	–	5.0
	Folkestone ...	rbc	cbc	44	48	7	–	5.1
	Dover... ...	ccp	bc	45	48	7	Trace	3.6
	Deal	coepb	obbc	43	48	6	Trace	3.9
	Ramsgate ...	cbc	bc	43	50	7	–	4.8
	Margate ...	bcc	dbc	44	47	6	Trace	3.6
2	Southend ...	bcb	bcez	43	49	5	–	4.2
	Maldon ...	cbcb	bbcc	43	47	5	–	4.9
	Clacton-on-Sea	bc	bc	42	48	7	–	6.3
	Dovercourt ...	rbcc	pbcc	42	49	7	Trace	5.7
	Lowestoft ...	cpbcp	bc	41	45	8	0.4	4.6
	Skegness ...	robc	bco	39	46	9	–	6.0
	Mablethorpe	cbc	bcp	42	46	9	Trace	4.8
	Cleethorpes ...	bcir	c	40	45	11	0.5	5.9
3	Leamington S.	c	bc	42	47	6	–	6.2
4	Cheltenham†	cmobc	bcbf	40	46	4	–	4.2
5	Bath	cbcb	cbcb	44	49	1	–	5.4
	Weymouth ...	c	ccb	49	51	Trace	–	1.3
	Jersey ...	cdc	cdc	52	58	–	0.2	0.7
	Torquay ...	bccp	o	46	56	–	Trace	0.6
	Penzance ...	cb	bc	52	61	–	–	2.5
	St. Ives ...	o	o	51	57	–	–	0.0
	Bude	o	o	49	55	0.3	–	0.0
	Ilfracombe ...	oc	c	48	52	0.3	–	0.0
6	Aberystwyth	cpc	cbcbc	45	50	0.5	–	7.4
7	Llandudno ...	bc	bc	45	48	5	–	5.4
	Colwyn Bay...	ocbc	bcb	44	46	10	–	5.8
	Rhyl	bcb	b	44	46	6	–	6.2
8	Wallasey ...	b	b	40	44	6	–	8.8
	Southport‖ ...	b	bbcb	40	46	6	–	8.8
	Blackpool ...	cbc	bcc	39	44	11	–	8.4
	Morecambe ...	rbbc	bc	39	43	14	–	6.3
9	Ilkley... ...	b	b	37	44	11	–	6.9
10	Berwick-on-T.	bc	bcc	35	43	2	–	6.0
11	Dunbar ...	bcp	bcm	37	43	2	–	6.7
12	Douglas ...	bc	bc	39	45	5	–	7.4

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 31st Oct., 1931.
1. S.E. England 2. E. England... 3. E. Midlands	Light or moderate south or southwest winds; mainly fair today, cloudy with probably some light rain, or drizzle tomorrow; moderate temperature to mild.
4. W. Midlands 5. S.W. England 6. South Wales	Light or moderate south to southwest wind, freshening later; mainly cloudy, some light rain or drizzle later, perhaps coastal fog; mild.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Moderate or fresh south to southwest winds; cloudy, some rain or drizzle; milder.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland.	Strong south or southwest winds; cloudy, some rain or showers; mild.
14. Mid-Scotland	As 7 - 11.
15. N.E. Scotland 16. Orkneys and Shetlands.	As 12 - 13B.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate to strong south to southwest winds; cloudy, some rain or showers; mild.

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.

An anticyclone centred over France is withdrawing southeastward, and a complex depression system extends from Iceland to north of the Azores, and will probably develop considerable activity, moving northeast and spreading east. Weather will be unsettled and milder generally, except in Eastern England where conditions will be mainly fair today, deteriorating tomorrow.

FURTHER OUTLOOK.

Unsettled.

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 Pa.305/2321. Wt.75. D.600. Gp.808 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

Saturday, 31st October 1931.

No. 25,545

OBSERVATIONS at 1 hr. G.M.T. 31st OCTOBER

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	1030·4	+6	SSE	1	bcf	30	95	3	-	-	6	0	4-6	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8	1029·8	+8	NE'N	1	b	38	85	5	-	-	6	0	1	-
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1028·2	+14	N	3	bc	35	85	7	-	-	6	0	2-3	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1028·1	+8	WNW	2	bc	35	95	6	4	-	-	4-6	4-6	4000
	Cranwell	240	1029·7	+4	W'S	2	b	29	95	5	-	-	1	0	1	-
3	Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1028·4	+2	E	3	b	49	65	7	1	-	-	Tr	Tr	4000
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Falmouth	200	1027·4	0	E'S	3	c	51	95	6	5	2	-	4-6	10	4000
	Scilly (St. Mary's)	163	1027·4	0	-	0	bc	51	95	7	5	-	-	4-6	4-6	1500
	Guernsey	175	1027·9	0	ESE	2	c	50	85	7	8	3	-	7-8	10	2500
6	Pembroke	142	1027·4	0	SE	2	c|p	51	95	6	3	-	-	7-8	9+	800
7	Holyhead	26	1027·0	-2	SSE	1	c	42	85	6	5	-	-	9+	9+	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1027·8	+6	NW'N	3	bc	39	85	6	-	7	9	0	4-6	-
	Tynemouth	67	1027·4	-2	W	2	c	35	85	6	4	-	-	7-8	7-8	4000
11	Inchkeith	190	1027·0	+2	SSW	2	c	38	85	7	5	-	-	9+	9+	2500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1021·2	+18	S	4	c	44	75	8	4	2	-	4-6	10	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1024·8	-6	SW	2	c	35	95	8	5	1	-	4-6	10	1500
16	Lerwick	54	1023·5	+2	NW	1	c	36	85	7	5	-	-	9+	9+	1500
17	Blacksod Point	18	1021·2	-10	SE	5	c	53	85	7	-	7	-	0	10	-
18	Malin Head	52	1023·4	-12	SSE	4	c|r	44	85	7	5	2	-	4-6	10	1500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1023·8	-20	S	4	dd	55	95	6	5	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 31st OCTOBER

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)	1030·8	+2	—	0	cf	32	95	2	-	3	-	0	9+	—	1	*
Croydon	1030·4	-2	S	3	c	33	85	5	1	3	-	4-6	9+	4000	1	*
S. Farnborough	1030·6	+2	SSE	1	c	31	95	4	5	-	-	9+	9+	5700	1	*
Winchester	1030·4	0	-	0	c	29	95	6	5	3	6	4-6	7-8	5700	0	*
Boscombe Down	1030·1	+2	ESE	3	c	34	85	6	-	3	-	0	7-8	-	0	*
Calshot, (S'thmtn)	1029·8	0	E	2	c	41	85	5	-	9	4	0	7-8	-	0	1
Dungeness	*	*	NNW	1	c	*	*	4	1	6	*	2-3	9	1500	*	1
Lympne	1030·1	+10	—	0	c	33	95	6	5	-	5	7-8	9	4000	1	*
Shoeburyness	1030·9	+10	NNW	1	bc	30	95	4	-	7	-	0	4-6	—	4	*
Felixstowe	1030·4	+6	W	1	c	34	85	6	5	3	4	2-3	7-8	5700	0	1
Gorleston	1029·6	+2	W	2	c	33	95	6	4	6	-	4-6	7-8	4000	0	1
Cranwell	1029·4	-2	SSW	2	c	34	85	6	5	-	-	9+	9+	5700	0	*
Cardington	1029·3	+4	SW'S	2	c	30	95	6	5	1	-	4-6	7-8	7200	*	*
Birmingham	1029·0	0	SSW	3	c	37	75	8	-	7	-	0	10	—	1	*
Upper Heyford	1030·2	+2	SSE	2	c	32	95	5	5	3	-	7-8	7-8	4000	0	*
Leafield	1029·5	0	SSW	3	c	33	85	6	5	-	8	7-8	9	5700	0	*
Ross-on-Wye	1028·8	0	WSW	1	c	36	85	6	5	-	-	10	10	4000	1	*
Portland Bill	1028·8	+2	ESE	3	c	51	75	7	4	2	-	7-8	10	2500	0	2
Plymouth	1028·5	0	E	2	c	48	95	6	5	-	-	9+	9+	1500	1	1
Falmouth	1028·2	+4	S'W	1	bc	53	95	7	3	3	-	2-3	4-6	4000	0	0
Scilly (St. Mary's)	1027·7	+4	SSE	3	bc	49	95	7	1	4	-	1	2-3	4000	0	1
Guernsey	1028·3	+8	ESE	2	c	50	85	7	8	-	-	10	10	2500	0	2
Pembroke	1026·3	0	SE	3	u	52	95	7	3	-	-	9	9	800	1	3
Holyhead	1025·2	-8	S'W	4	d.d.	49	95	5	6	2	-	9+	10	800	1	1
Chester (Sealand)	1027·5	0	SE'S	2	o	36	85	6	5	-	-	10	10	2500	1	*
L'pool (Bidston)	1027·3	0	ESE	3	c	36	75	6	5	-	-	9+	9+	1500	0	*
Harrogate	1027·5	-6	SW	1	c	35	75	5	5	-	-	9+	9+	4000	1	*
Spurn Head	1027·8	0	SW'W	3	c	36	85	5	4	3	-	4-6	7-8	1500	0	2
Tynemouth	1025·9	-4	WSW	2	bc	36	75	6	2	-	-	4-6	4-6	2500	0	2
Inchkeith	1025·0	-8	SW	2	c	40	85	7	5	4	-	4-6	9	2500	0	2
Leuchars	1023·7	-12	W	1	c	37	75	6	5	3	-	7-8	9+	4000	1	*
Renfrew	1024·6	-8	-	0	0	37	85	4	5	-	-	10	10	2500	1	*
Eskdalemuir	1026·8	-6	-	0	c	29	95	7	5	-	-	10	10	1500	1	*
Tiree	1020·1	-12	S'E	4	c	48	95	6	5	2	-	4-6	7-8	2500	0	2
Stornoway	1017·6	-12	S	6	d	47	95	6	5	-	-	10	10	800	1	3
Dalwhinnie	1024·7	-10	SW	4	c	36	85	8	4	2	-	4-6	10	1500	1	*
Aberdeen	1022·0	-14	SW	1	c	37	75	7	5	-	-	9+	9+	2500	1	1
Wick	1020·2	-18	SSW	4	rr	40	85	7	8	2	-	7-8	10	1500	1	3
Lerwick	1020·6	-12	S'E	1	r.r.	37	95	6	6	-	-	10	10	800	1	*
Blacksod Point	1019·2	-10	SE	5	r.r.	54	95	7	6	-	-	10	10	<150	1	4
Malin Head	1020·5	-8	S	4	c	48	95	7	5	-	-	9+	9+	1500	0	2
Aldergrove	1023·9	-6	S'E	2	c	47	95	8	5	-	-	10	10	800	1	*
Donaghadee	1023·7	-8	S	1	c	48	95	7	5	-	-	9	9	1500	0	0
Birr Castle	1022·7	-2	S	1	ir	51	95	7	6	-	-	10	10	1500	1	4
Valentia Obsy.†	1023·1	+2	S	4	o	55	95	8	6	-	-	10	10	800	1	3
Roches Point	1024·6	+4	NW	2	c	50	95	7	5	-	-	7-8	7-8	1500	0	2

PAST 24 HOURS.

Stations	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall Day 7h-18h mm. (34)	Rainfall Night 18h-7h mm. (35)	Sunshine 30th Hrs. (36)
London (Kew)	47	30	21	-	-	4·7
Croydon	46	29	26	-	-	1·9
S. Farnborough	49	25	15	-	Tr.	5·7
Winchester	48	24	17	0·3	-	6·6
Boscombe Down	48	29	17	0·1	-	*
Calshot, (S'thmtn)	53	34	24	2	-	5·9
Dungeness	52	25	*	Tr.	-	*
Lympne	46	31	25	-	-	4·3
Shoeburyness	49	26	16	-	-	4·8
Felixstowe	48	33	25	0·5	-	5·7
Gorleston	47	32	31	0·5	0·2	0·0
Cranwell	44	27	22	Tr.	-	7·0
Cardington	*	*	*	*	*	*
Birmingham	45	35	21	-	-	5·7
Upper Heyford	45	30	21	-	-	*
Leafield	45	32	20	-	-	4·2
Ross-on-Wye	48	29	23	-	-	3·7
Portland Bill	55	47	*	1	-	*
Plymouth	55	46	45	Tr.	Tr.	1·2
Falmouth	58	50	*	0·3	0·4	0·3
Scilly (St. Mary's)	58	48	*	-	-	3·7
Guernsey	57	48	45	0·5	Tr.	0·5
Pembroke	54	48	*	0·5	-	0·1
Holyhead	48	39	32	-	0·6	8·0
Chester (Sealand)	45	28	22	-	-	7·1
L'pool (Bidston)	43	35	32	-	-	8·5
Harrogate	42	30	26	-	-	7·4
Spurn Head	45	36	*	0·4	-	5·9
Tynemouth	43	34	30	1	0·1	*
Inchkeith	43	37	30	-	-	8·3
Leuchars	42	29	19	-	-	8·3
Renfrew	45	28	21	-	-	6·5
Eskdalemuir	40	24	18	-	-	7·1
Tiree	45	37	33	-	-	7·2
Stornoway	45	38	*	0·2	Tr.	2·0
Dalwhinnie	36	32	19	-	1	2·1
Aberdeen	43	34	29	0·5	Tr.	5·5
Wick	42	33	*	Tr.	1	*
Lerwick	40	34	*	1	2	6·1
Blacksod Point	56	49	*	Tr.	Tr.	*
Malin Head	45	41	*	-	Tr.	5·2
Aldergrove	45	36	35	-	-	3·4
Donaghadee	(44)	37	*	-	-	*
Birr Castle	57	46	39	-	1	0·3
Valentia Obsy.†	59	52	51	-	4	6·7
Roches Point	57	49	*	0·1	-	*

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	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	cbc3.	c3.	cfxcfx	47	30	21	-	-	4·7	*	*	2
Croydon	217	bcc3.	bc3.y	bcnfxfx	46	29	26	-	-	1·9	*	*	5
Greenwich (Royal Observatory)	149	bc	bcyc	cbxcf	49	27	20	-	Tr.	2·9	54	83	3
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	3·0	*	*	*
Westminster (St. James' Park)	27	*	*	*	49	31	29	-	-	3·9	53	91	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	4·3	*	*	*
Camden Square	110	bcc	cbc	*	48	32	26	-	-	*	At 18h. 84		*
Kensington	80	bc	bc	*	48	31	23	-	-	3·4	66	88	*
Hampstead Observatory	450	bc	bc	*	46	31	21	-	Tr.	5·8	*	74	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 31st

South Kensington Max.	Time.	Min.	Time.
1·2	1-2hrs. 31st	<0·3	10-14hrs 30th

Kew Observatory Max.	Time.	Min.	Time.
1·9	23h. 30m.	0·1	11h. 30m.

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 30th OCTOBER Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 31st OCTOBER 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	NW	3	c	54	1031·7	—	0	bc	30	59	28	-	—
Brussels	1023·4	WNW	2	b	41	1030·4	WSW	2	c	36	48	32	1	—
Berlin	1005·0	NW	4	o	36	1020·6	W'NW	3	c	34	39	32	9	Tr.
Zürich	1019·6	W	6	r.r.	43	1028·8	E	1	c	32	45	32	1	5
Rome	1019·1	WNW	2	b	52	1019·4	NNE	2	bc	48	64	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.

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION.
ADDITIONS & CORRECTIONS.
October, 1931.

I.—CORRECTIONS.

Date of Report.	Page.	Station.	Col. No.	Correct Entry.
1st	1	Gorleston	5	c
"	"	"	13	7.8
"	"	"	15	1010.7
"	"	Eskdalemuir	37	crd.
"	"	Tiree	17	sw
"	"	Aldergrove	37	circ
"	"	"	38	cprc
"	4	S.Farnboro'	29	1
"	"	Lympne	21	85
"	"	Gorleston	5	bc
"	"	"	19	bc
"	"	"	27	4.6
"	"	"	34	—
"	"	Spurn Head	29	1
"	"	Inchkeith	19	c
"	"	Tiree	26	7.8
"	"	Stornoway	20	53
"	"	Wick	9	5
2nd	1	S.Farnboro'	6	64
"	"	"	14	2500
"	"	"	39	ccr
"	"	"	40	cod.
"	"	Plymouth	7	85
"	"	"	11	9
"	"	Holyhead	40	am Fq
"	"	Lerwick	28	450
"	"	Birr Castle	7	95
"	"	Valentia	37	crrdc
"	4	Lympne	20	57
"	"	"	32	51
"	"	Guernsey	19	dd.
"	"	"	22	5
"	"	Dalwhinnie	19	pr
"	"	Aberdeen	35	3
"	"	Wick	19	cc
"	"	Lerwick	2	+18
3rd	1	Dungeness	30	3
"	"	Guernsey	5	cd.
"	"	Holyhead	2	+8
"	"	Chester	40	bex
"	"	Liverpool	40	bcq
"	"	Tynemouth	1	1006.7
"	"	Eskdalemuir	6	56
"	"	"	38	bqcPR
"	"	Tiree	14	2500
"	"	Dalwhinnie	6	48
"	"	Wick	19	pr
"	4	Portland Bill	32	55
"	"	Pembroke	21	85
"	"	Holyhead	36	1.4
"	"	Eskdalemuir	20	47
"	"	"	32	46
"	"	Tiree	30	4
"	"	Stornoway	36	3.0
"	"	Dalwhinnie	31	52
"	"	"	33	38
"	"	Birr Castle	17	s
4th	1	Winchester	38	bcy
"	"	Boscombe Dn.	6	62
"	"	Felixstowe	7	55
"	"	"	26	Trace
"	"	Leafield	19	bc
"	"	"	27	2.3
"	"	Ross-on-Wye	5	bc
"	"	"	13	4.6
"	"	Valentia	38	orrdd.
"	4	Gorleston	24	—
"	"	Portland Bill	1	1029.1
"	"	Dalwhinnie	16	-4
5th	1	Felixstowe	18	3
"	"	Portland Bill	26	7.8
"	"	Falmouth	2	-4
"	"	Eskdalemuir	40	crr
"	"	Dalwhinnie	1	1015.6
"	"	"	15	1014.9
"	"	"	26	2.3
"	"	"	27	4.6

Date of Report.	Page.	Station.	Col. No.	Correct Entry.
5th	1	Wick	28	2500
"	"	Blacksod Point	23	—
"	"	"	26	0
"	"	"	28	—
"	4	S.Farnboro'	36	0.1
"	"	"	36	0.5
"	"	Renfrew	22	6
"	"	Eskdalemuir	34	1
"	"	Wick	26	4.6
"	"	Malin Head	6	60
"	"	Winchester	39	bcb
"	"	"	40	bFFw
"	"	Cranwell	2	-4
"	"	Holyhead	14	450
"	"	"	28	450
"	"	Inchkeith	5	c
"	"	Eskdalemuir	38	odd
"	"	Dalwhinnie	28	4000
"	"	"	39	cbcb
"	4	Leafield	34	0.1
"	"	Holyhead	14	450
"	"	"	20	56
"	"	"	32	55
"	"	Tynemouth	31	64
"	"	Eskdalemuir	33	52
"	"	"	35	5
"	"	Stornoway	36	7.6
"	"	Dalwhinnie	31	55
"	"	"	36	35
"	"	Wick	20	52
"	"	Lerwick	32	50
"	"	Malin Head	16	-26
"	"	Valentia	22	7
"	"	Guernsey	5	c
"	"	"	19	c
"	"	Tynemouth	1	1003.8
"	"	Eskdalemuir	38	odcr.
"	"	Lerwick	15	995.9
"	"	Valentia	10	—
"	"	"	11	—
"	"	"	13	9+
"	"	"	39	bcepc
"	4	Boscombe Dn	35	7
"	"	Shoeburyness	15	1003.5
"	"	Leafield	17	w
"	"	Guernsey	19	bc
"	"	"	27	4.6
"	"	Spurn Head	32	52
"	"	Tynemouth	20	49
"	"	Eskdalemuir	17	sw
"	"	Dalwhinnie	32	39
"	"	Lerwick	25	7
"	"	"	26	2
"	"	Birr Castle	34	8
"	"	Croydon	21	75
"	"	S.Farnboro'	25	3
"	"	Shoeburyness	6	59
"	"	Felixstowe	39	b
"	"	Leafield	40	bcd
"	"	Pembroke	38	bccpq
"	"	Eskdalemuir	5	cip
"	"	Lerwick	3	wsw
"	"	"	4	2
"	"	Malin Head	19	bcjp
"	4	Dungeness	32	51
"	"	Gorleston	1	1012.0
"	"	Portland Bill	18	5
"	"	Liverpool	28	2500
"	"	Harrogate	21	85
"	"	Dalwhinnie	15	1004.2
"	"	"	17	SE
"	"	"	31	54
"	"	Stornoway	34	2
"	"	Aldergrove	7	SSW
9th	1	Winchester	23	1500
"	"	Dungeness	3	SW
"	"	"	8	7

Date of Report.	Page.	Station.	Col. No.	Correct Entry.
9th	1	Dungeness	9	4
"	"	"	10	7
"	"	"	12	7.8
"	"	"	13	9
"	"	Cranwell	38	bcm.
"	"	Plymouth	29	0
"	"	Holyhead	40	cm.q
"	"	Eskdalemuir	37	bcid
"	"	"	38	cprc
"	"	"	40	crc
"	"	Aberdeen	21	85
"	"	Lerwick	29	1
"	"	Birr Castle	17	sw
"	4	Kew	34	1
"	"	Cardington	25	8
"	"	Renfrew	32	54
"	"	Lerwick	20	54
"	"	Donaghadee	35	0.2
10th	1	Gorleston	9	8
"	"	"	10	9
"	"	Guernsey	19	c
"	"	Tiree	21	85
"	"	Birr Castle	40	bx
"	4	Croydon	16	+14
"	"	S.Farnboro'	19	c
"	"	"	28	4000
"	"	Gorleston	36	4.2
"	"	Cranwell	22	4
"	"	"	28	2500
"	"	Plymouth	23	6
"	"	"	24	—
"	"	Guernsey	18	1
"	"	Pembroke	36	0.2
"	"	Liverpool	18	3
"	"	Eskdalemuir	19	5
"	"	Dalwhinnie	31	54
"	"	Wick	17	nsw
"	"	"	31	59
11th	1	Calshot	29	0
"	"	Lympne	19	c
"	"	"	26	7.8
"	"	"	27	7.8
"	"	Plymouth	12	2
"	"	Harrogate	22	6
"	"	Leuchars	37	bbcw
"	"	Tiree	3	sw5
"	"	"	4	6
"	"	Roches Point	20	55
"	4	Croydon	36	0.6
"	"	Portland Bill	20	55
"	"	Guernsey	31	64
"	"	Tynemouth	20	50
"	"	Eskdalemuir	15	1021.5
"	"	Dalwhinnie	17	NE
"	"	Roches Point	15	1025.9
12th	1	Leuchars	38	cvidf
"	"	Renfrew	39	bcb.c
"	"	"	40	c.r.c
"	"	Roches Point	13	7.8
"	4	Ross-on-Wye	35	0.1
"	"	"	36	6.6
"	"	Falmouth	17	S'E
"	"	Chester	35	—
"	"	Leuchars	36	0.4
"	"	Dalwhinnie	27	10
"	"	"	33	31
"	"	Aldergrove	34	1
13th	1	Boscombe Dn.	39	bmo
"	"	Cranwell	40	fcpr.c
"	"	Leafield	2	-26
"	"	"	39	bmod.
"	"	Pembroke	26	7.8
"	"	"	27	9
"	"	"	30	2
"	"	Eskdalemuir	39	cir.
"	"	Tiree	4	6
"	"	Birr Castle	3	S

Date of Report.	Page.	Station.	Col. No.	Correct Entry.
13th	1	Roches Point	38	rrir.
"	4	Winchester	29	1
"	"	Cranwell	36	6.0
"	"	Pembroke	34	—
"	"	Eskdalemuir	35	2
"	"	Tiree	19	bclpr
14	1	S.Farnboro'	15	1026.0
"	"	"	16	+22
"	"	"	39	bcbwf
"	"	Leafield	39	bw
"	"	Guernsey	19	c
"	"	Pembroke	6	57
"	"	"	20	52
"	"	Aldergrove	29	1
"	4	Croydon	2	+16
"	"	Calshot	20	44
"	"	Liverpool	17	NNW
"	"	Eskdalemuir	17	SE
"	"	Aldergrove	31	57
"	"	"	34	—
"	"	Kew	29	1
15	1	Boscombe Dn	39	bm.
"	"	Gorleston	11	—
"	"	"	38	bccq
"	"	Guernsey	20	55
"	"	Harrogate	28	4000
"	"	Stornoway	17	nsw
"	"	Aberdeen	38	c
"	"	Wick	7	85
"	"	Valentia	12	2.3
"	"	"	38	bcobc
"	4	S.Farnboro'	36	8.0
"	"	Plymouth	32	45
"	"	Dalwhinnie	16	+2
"	"	"	21	95
"	"	Ross-on-Wye	19	bf
16	1	Holyhead	20	53
"	"	Liverpool	1	1037.0
"	"	Leuchars	40	bwbx
"	"	Stornoway	14	2500
"	"	"	40	c
"	"	Dalwhinnie	24	2
"	"	"	26	4.6
"	4	Winchester	16	-6
"	"	Cranwell	3	W
"	"	Pembroke	6	53
"	"	"	10	2
"	"	Liverpool	18	3
"	"	Dalwhinnie	15	1033.5
"	"	Lerwick	34	Trace
17	1	Plymouth	29	0
"	"	Guernsey	26	2.3
"	"	Inchkeith	37	bcmm
"	"	Tiree	17	—
"	"	"	18	0
"	"	Lerwick	6	51
"	"	Valentia	27	2.3
"	4	Calshot	36	2.5
"	"	Cranwell	31	62
"	"	Portland Bill	17	NE'E
"	"	Aberdeen	36	6.5
18	1	Leafield	1	1029.5
"	"	Ross-on-Wye	18	2
"	"	Liverpool	39	fcmo
"	"	Leuchars	40	fbcd.d.
"	"	Eskdalemuir	4	4
"	"	Tiree	18	3
"	"	Wick	5	dd.
"	4	Scilly	31	59
"	"	Pembroke	31	58
"	"	Tiree	17	SE
"	"	"	18	3
"	"	Stornoway	30	1
"	"	Birr Castle	33	32
19	1	Croydon	16	+2
"	"	Birmingham	28	800
"	"	Harrogate	11	—

Date of Report.	Page.	Station.	Col. No.	Correct Entry.
19	1	Harrogate	14	<150
"	"	Renfrew	24	—
"	"	Eskdalemuir	37	cid.
"	"	Aberdeen	37	c
"	4	Pembroke	28	450
"	"	"	30	0
"	"	Liverpool	31	55
"	"	Harrogate	24	—
"	"	Dalwhinnie	15	1023.5
"	"	"	29	0
"	"	"	32	45
20th	1	Malin Head	28	1500
"	"	Donaghadee	10	2
"	4	Pembroke	20	53
"	"	"	42	50
"	"	Liverpool	33	49
"	"	Harrogate	15	1017.6
"	"	Dalwhinnie	31	49
"	"	Wick	16	+14
"	"	"	19	ir
"	"	Lerwick	5	pw
21st	1	Croydon	1	1017.9
"	"	"	2	0
"	"	"	6	48
"	"	"	7	85
"	"	Portland Bill	20	49
"	"	Pembroke	13	7.8
"	"	"	20	47
"	"	Eskdalemuir	3	N
"	"	Valentia	37	cwbcc
"	4	Portland Bill	20	44
"	"	Plymouth	34	Trace
"	"	Pembroke	15	1024.1
"	"	"	31	54
"	"	"	32	39
"	"	"	36	1.9
"	"	Eskdalemuir	33	21
"	"	Dalwhinnie	32	32
"	"	Wick	18	6
"	"	"	35	0.6
"	"	Aldergrove	21	95
22nd	1	S.Farnboro'	40	bmxF
"	"	Dungeness	17	N
"	"	Birmingham	4	2
"	"	Chester	38	by3o.
"	"	Liverpool	4	3
"	4	S.Farnboro'	36	7.9
"	"	Falmouth	7	55
"	"	Pembroke	31	49
"	"	Dalwhinnie	15	1017.4
"	"	"	31	45
23rd	1	Pembroke	20	48
"	"	Holyhead	23	5
"	"	Renfrew	40	cid.
"	"	Wick	18	3
"	4	Croydon	1	1008.8
"	"	"	20	35
"	"	Dungeness	32	36
"	"	Felixstowe	31	52
"	"	Plymouth	18	4
"	"	Pembroke	35	—
"	"	Dalwhinnie	15	1004.9
"	"	"	33	23
"	"	Aberdeen	16	1003.6
"	"	Aldergrove	21	95
"	"	Birr Castle	16	-10
"	"	Valentia	24	2
"	"	"	25	—
24th	1	Gorleston	20	49
"	"	Birmingham	13	7.8
"	"	Ross-on-Wye	15	999.0
"	"	Plymouth	7	85
"	"	Guernsey	19	c
"	"	Holyhead	37	c
"	"	Lerwick	5	crs
"	"	Birr Castle	19	c
"	"	Roches Point	12,13	5

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION.
ADDITIONS & CORRECTIONS.
October, 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.
24th	4	Winchester	15	996.3	26th	1	Dalwhinnie	9	–	27th	4	Tiree	29	1	29th	1	Birr Castle	40	cpc	30th	4	Plymouth	34	–
"	"	Birmingham	15	998.2	"	"	"	12	0	"	"	Dalwhinnie	27	10	"	"	Roches Point	2	+10	"	"	Aberdeen	33	26
"	"	Ross-on-Wye	33	26	"	"	"	14	–	"	"	Aldergrove	31	48	"	"	"	12	46	"	"	Wick	3	NNW
"	"	Pembroke	31	50	"	"	Malin Head	30	2	28th	1	Pembroke	13	8	"	"	"	16	+16	31st	1	Leafield	26	1
"	"	Spurn Head	6	42	"	4	Birmingham	36	8.0	"	"	Chester	40	rkQRm	"	4	Gorleston	32	39	"	"	Renfrew	17	–
"	"	"	32	42	"	"	Pembroke	32	(35)	"	"	Liverpool	24	1	"	"	Guernsey	7	65	"	"	"	18	0
"	"	Eskdalemuir	15	1000.2	"	"	Harrogate	20	29	"	"	Blackpool Point	9	–	"	"	Pembroke	26	7.8	"	"	"	21	85
"	"	"	32	33	"	"	"	25	1	"	"	"	10	7	"	"	"	27	7.8	"	"	"	25	1
"	"	Dalwhinnie	20	29	"	"	"	32	29	"	"	"	12	0	"	"	"	35	–	"	"	Tiree	18	3
"	"	"	32	29	"	"	Leuchars	33	15	"	"	"	14	–	"	"	Wick	9	8	"	"	Aberdeen	18	3
"	"	"	35	1	"	"	Stornoway	3	SW	"	"	Donaghadee	18	2	"	"	Aldergrove	20	40	"	4	Pembroke	31	54
"	"	Wick	31	45	"	"	Malin Head	34	1	"	"	Birr Castle	2	–18	"	"	"	31	51	"	"	Tiree	18	4
"	"	Aldergrove	16	+20	"	"	Valentia	36	8.9	"	4	Calshot	2	–12	30th	1	S. Farnboro'	39	orpc	"	"	"	20	48
25th	1	S. Farnboro'	17	N	27th	1	Calshot	21	65	"	"	Lympne	36	9.1	"	"	Winchester	38	orcpc	"	"	Dalwhinnie	18	3
"	"	Pembroke	13	8	"	"	Gorleston	15	1025.9	"	"	Plymouth	31	52	"	"	Lympne	38	cpro	"	"	"	29	1
"	"	Eskdalemuir	7	45	"	"	Scilly	6	49	"	"	Pembroke	20	54	"	"	Portland Bill	17	NW	"	"	Aldergrove	32	36
"	"	"	15	1009.9	"	"	Chester	38	bv3	"	"	Sporn Head	21	95	"	"	"	29	0	"	"	"	36	4.4
"	"	Roches Point	37	bcvy	"	"	Leuchars	7	55	"	"	Stornoway	23	6	"	"	Plymouth	29	0	"	"	Donaghadee	31	46
"	4	Cardington	21	85	"	"	Tiree	13	5f	29th	1	Calshot	37	cpr	"	"	"	30	1					
"	"	Guernsey	31	52	"	"	Stornoway	30	5	"	"	Gorleston	37	bcbro	"	"	Pembroke	19	bc					
"	"	Stornoway	5	bc	"	"	Birr Castle	29	0	"	"	Cromwell	3	NW'N	"	"	"	26	4.6					
"	"	"	13	4.6	"	"	Valentia	25	1	"	"	"	4	5	"	"	"	27	4.6					
"	"	"	15	1015.9	"	4	Winchester	15	1027.7	"	"	Portland Bill	1	1015.9	"	"	Chester	37	cirm					
"	"	Dalwhinnie	15	1014.7	"	"	Gorleston	7	75	"	"	Scilly	6	57	"	"	Inchkeith	6	45					
"	"	"	32	14	"	"	Scilly	31	49	"	"	Holyhead	26	2.3	"	4	Calshot	25	–					
"	"	"	36	2.3	"	"	Pembroke	29	2	"	"	"	27	4.6	"	"	"	35	Trace					
"	"	Aldergrove	21	95	"	"	Leuchars	32	39	"	"	Tiree	18	3	"	"	Cardington	27	4.6					

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
Stornoway	2nd	2nd	1h	994.8	+10	WSW	6	ir	52	95	7	6	2	–	7.8	10	1500											cpr	
"	"	2nd	7h	995.5	–4	WSW	4	PR	49	95	6	9	–	–	9	9	2500	2	2	60	47	*		3	0.4				cPR
Tiree	6th	5th	13h	1014.0	+8	SW	4	b	58	75	8	1	4	8	Tr.	1	2500									cbcb			
Tiree	8th	7th	13h	996.6	+4	WSW	4	cp	54	75	9	8	5	–	4.6	7.8	2500									c PRbc			
"	"	7th	18h	997.9	+12	WSW	5	bc	50	85	8	8	7	–	4.6	4.6	2500	1	4			·	5				PRbc		
Birr Castle	22nd	21st	13h	1024.4	–18	ENE	2	b	50	65	8	1	–	–	1	1	2500									bcb			
Malin Head	23rd	22nd	18h	1013.0	–8	W	1	bc	43	75	8	7	–	–	2.3	2.3	4000	0	1				–				bc		
Tiree	26th	25th	13h	1018.7	+6	–	0	c	45	65	9	5	1	–	9	9+	4000									bccv			

Date of Report	London Observations Page 4	
1st	Westminster	63°: 53°: 50°: –: –: 62%: 73%
2nd	Greenwich	Humidities 67%: 82%
6th	Regents Park	Sun 1.6h
9th	Kensington	Night rain 0.1 mm
11th	Westminster	62°: 51°: 47°: –: –: 77%: 97%
11th	Regents Park	Sun 4.2h
11th	Camden Sq.	c: c: 62°: 51°: 45°: –: –: 97%
11th	Ken (Amos Pollution)	Max. time 23h.
12th	Westminster	59°: 49°: 45°: –: –: 87%: 91%
12th	Regents Park	Sun 2.1h
13th	Kensington	" 5.2h
13th	Westminster	56°: 50°: 49°: 0.3 mm. 71%: 85%
25th	City	Sun 7.9h.
25th	Westminster	51°: 35°: 30°: –: –: 74h 54%: 74%
25th	Camden Sq.	bc: bcc: 50°: 32°: 28°: –: –: 83%
30th	Greenwich	cf3: cpprr: rrcprrc: 50°: 43°: 37°: 1 mm: 6 mm
"	"	Sun 0.0h Humidities 69%: 77%: Vis 5

Date of Report	Health Resorts Page 2	
2nd	Ventnor	Max 68°
"	Mablethorpe	Afternoon weather bccp.
"	Morecambe	Day rain 6 mm.
5th	Rhyl	bcc: cbc: 53°: 66°: 2: –: 2.7: 5.7
"	Morecambe	iro: idco: 51°: 59°: 4: 0.5: 0.0: 3.5.
6th	Clacton	Forenoon c3c
"	Skegness	obco: om: 54°: 65°: –: –: 2.0: 3.4.
"	Bath	Night and day rain –: –.
"	Aberystwyth	Forenoon cpmr: afternoon mc
"	Morecambe	Night rain 1. Day rain Trace
7th	Maldon	Min 42°: Max 69°
"	Lowestoft	Max. 66°
"	Leamington	Afternoon cp.
"	Douglas.	Forenoon oiRm: afternoon oiRm.
10th	Southend	Max 64°
"	Maldon	Min. 49°
"	Dovercourt	Min 50°

Date of Report	Health Resorts Page 2	
14th	Skegness	Sun to Sunset 7.3h
"	Aberystwyth	" " 17h 9.1h
"	Wandudno	Min. 50°
"	Rhyl	Sun to 17h 8.0h
15th	Dover	" " " 7.3h.
"	Bude	" " " 8.8h
16th	Skegness	" " " 9.5h
"	"	" "Sunset 4.8h
24th	Ilkley	Max. 49°
27th	Eastbourne	Day rain Trace.
28th	Penzance	Sun to Sunset 8.0h.
29th	Brighton	Max. 53°
"	Lowestoft	Day rain 1 mm
"	Bude	Max 55°
"	Southport	Night rain 9 mm.
30th	Southport	Day rain 12 mm.

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

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