M.O. Form 2373.

THE DAILY WEATHER REPORT

BRITISH SECTION

1st October to 31st December

1936.

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:—Austria, Bulgaria, Greece, Hungary, Jugoslavia, Roumania. Turkey, Cyprus, Egypt, Palestine, Syria, Sudan, Iraq (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, and Torgilsbu which are for 7h. G.M.T. ; while those for North America are made at 1h. G.M.T.

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

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

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

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

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

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

The International and Upper Air Sections.

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

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

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

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

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

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

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

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

THE BEAUFORT SCALE OF WIND FORCE.

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

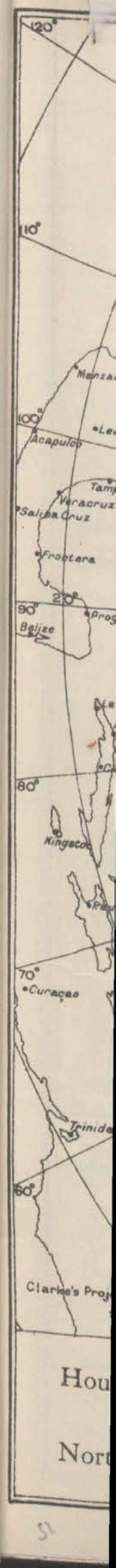
The *South Cone* (point downwards) is hoisted for gales commencing from a Southerly point. Such gales often veer, sometimes as far as Northwest.

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.



9756/3

1h. G. M. T.

7h. Local Time.

Ships. 0h. G.M.T.

Ships 6h. G.M.T.

Stations 6h G.M.T

Stations 6h G.M.T

Stations 7h. G.M.T.

0h. G.M.T.

8h G.M.T

Land

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

Statute Miles. 0 1 2 3 4 500

EXPLANATION OF CHART.

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

FORECAST DISTRICTS AND STATIONS IN GREAT BRITAIN AND IRELAND

FORECAST DISTRICTS
and the Counties comprised within them.

1. *England, S.E.*
   Kent.
   Sussex.
   Surrey.
   Hampshire.
   Berkshire.
   Wiltshire.

2. *England, E.*
   Essex.
   Middlesex.
   Hertford.
   Bedford.
   Huntingdon.
   Cambridge.
   Suffolk.
   Norfolk.
   Lincoln.

3. *Midlands, E.*
   Buckingham.
   Oxford.
   Northampton.
   Warwick.
   Leicester.
   Rutland.
   Nottingham.

4. *Midlands, W.*
   Gloucester.
   Hereford.
   Worcester.
   Shropshire
   Stafford.

5. *England, S.W.*
   Dorset.
   Somerset.
   Monmouth.
   Devon.
   Cornwall.

6. *Wales, S.*
   Glamorgan.
   Brecknock.
   Carmarthen.
   Pembroke.
   Cardigan.
   Radnor.

7. *Wales, N.*
   Montgomery.
   Merioneth.
   Flint.
   Denbigh.
   Carnarvon.
   Anglesey.

8. *England, N.W.*
   Cheshire.
   Lancashire.
   Westmoriand.
   Cumberland.

9. *Midlands, N.*
   Derby.
   Yorkshire, W.

10. *England, N.E.*
    Yorkshire, N. & E.
    Durham.
    Northumberland.

11. *Scotland, S.E.*
    Roxburgh.
    Selkirk.
    Peebles.
    Berwick.
    Haddington.
    Edinburgh.
    Linlithgow.
    Clackmannan.
    Kinross.
    Fife.
    Forfar.

12. *Scotland, S.W., and Isle of Man.*
    Isle of Man.
    Dumfries.
    Kirkcudbright.
    Wigtown.
    Ayr.
    Lanark.
    Renfrew.
    Dumbarton.
    Stirling.

13A. *Scotland, W.*
    Argyll.
    Bute.

13B. *Scotland, N.W.*
    Hebrides.
    Western parts of Inverness, Ross and Cromarty, Sutherland. (Boundary line runs from Rannoch Station through Fort Augustus, Beauly and Lairg to Melvich).

14. *Mid. Scotland.*
    Perth.

15. *Scotland, N.E.*
    Kincardine.
    Aberdeen.
    Banff.
    Elgin.
    Nairn.
    Caithness.
    Eastern parts of Inverness, Ross, Sutherland.

16. *Orkneys and Shetlands.*

17. *Ireland, N.W.*
    Galway.
    Roscommon.
    Mayo.
    Sligo.
    Leitrim.

18. *Ireland, N.E.*
    Meath.
    West Meath.
    Longford.
    Cavan.
    Fermanagh.
    Monaghan.
    Louth.
    Armagh.
    Down.
    Antrim.
    Londonderry.
    Tyrone.
    Donegal.

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

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

NOTES ON THE INFORMATION CONTAINED IN THE DAILY WEATHER REPORT.

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

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

London Observations.—As from 1st January, 1934, the rainfall measurements at all the London stations where raingauges are maintained, refer to two periods, day and night. The day period at Kew and Croydon is 7h. to 18h. G.M.T.; at all other stations it is 9h. to 18h. G.M.T.

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

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

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

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

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

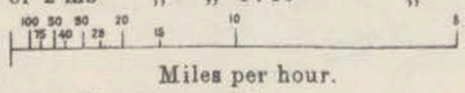
The scale below can be used to determine the theoretical wind as deduced from the pressure distribution on either chart. On the assumption that the path of the air is straight this theoretical wind is called the Geostrophic Wind.

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

GEOSTROPHIC WIND SCALE FOR

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

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



Miles per hour.

This scale applies under the following conditions:—

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

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

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

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

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

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

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

where x is the vapour pressure in mb.;

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

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

t the dry bulb temperature; and

t' the wet bulb temperature.

The 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. Until and including 29th March, 1936, the number of feathers on the arrows denotes wind force by Beaufort number. from 30th March, 1936, each feather denotes two steps on the Beaufort Scale; thus force 5 is indicated by two whole feathers and one half feather.

Adjusted Readings.—Where an instrumental reading is found to be in error and some adjustment is necessary, such adjusted reading is published in brackets thus (59).

The entries in the British Section of the Report for the stations in the main tables on pages 1 and 4 are compared with those in the returns received from the stations at the end of the month and errors in the Report so found are noted

N.B.—Readers of the Report who are unacquainted with the method of construction and the use of weather charts are recommended to read "The Weather Map: An Introduction to Modern Meteorology," (2nd Edition, 1930), to be purchased from H.M. Stationery Office, Adastral House, Kingsway, W.C.2, price 3s. 2d. post free. (Reprinted 1933).

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

MONTHLY SUPPLEMENT, December, 1936. No. 240

Unsettled and mild generally, with some severe gales.

Sunshine amounts were generally above average. Shoeburyness and Gorleston having the highest December totals since records began in 1919 and 1908 respectively. The West of Scotland and parts of Ireland however showed a deficiency.

Rainfall amounts varied but were generally below normal in England and East Scotland, near to average in Ireland, but from 20 to 45 per cent above normal in parts of Wales and in West Scotland.

Temperatures were mainly in excess of average.

On the whole, conditions were disturbed during the greater part of the month. The chief periods of gales and strong winds were 3rd to 6th (with snow or sleet in many districts), 13th to 17th. and 19th to 20th. During each of these periods wind speeds in excess of 70 m.p.h. were recorded in several places, while gusts exceeding 90 m.p.h. were registered at Tiree on the 4th, 16th and 17th.

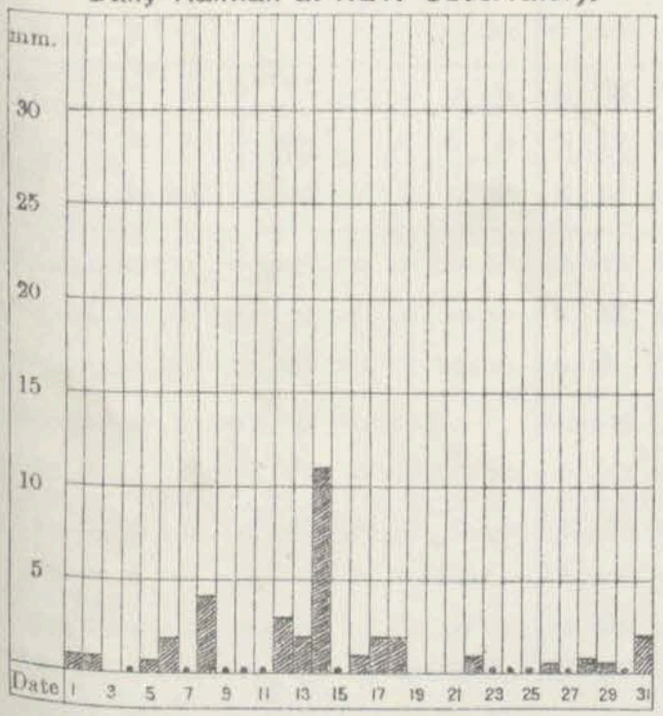
In many places the heaviest rainfall in a 24 hour interval was associated with the storm of the 13th - 14th. Snow was confined mainly to the northern half of the British Isles, the chief falls occurring in the first 7 days, on 11th - 12th and 15th - 16th.

The night of the 17th - 18th was notably mild in the south-eastern half of the country, the minimum temperature of 52° at Kew equalling the record (1929) for the time of year.

During anticyclonic conditions on the 9th - 10th and 26th - 27th fog developed over a large area of England.

Glazed roads were experienced in S.E. England and the Midlands on the morning of the 8th, a cold interval being followed by rain and drizzle spreading eastwards during the early hours.

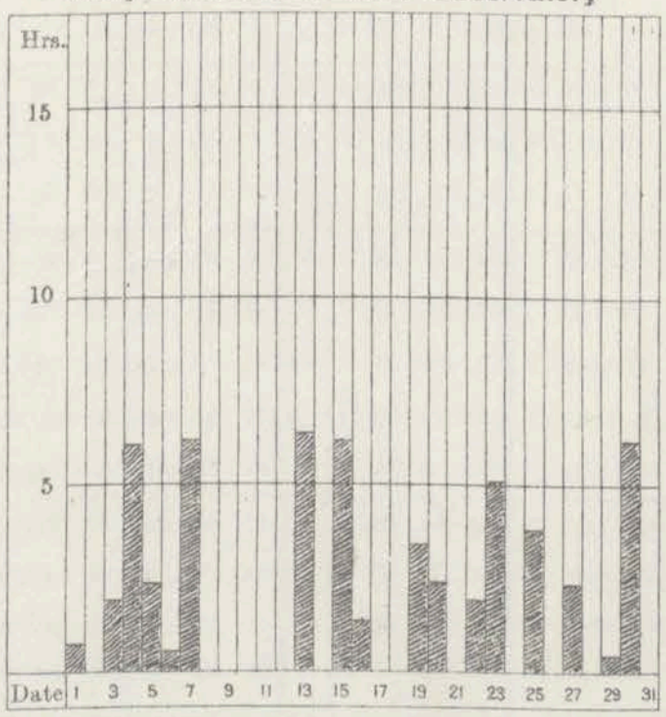
Daily Rainfall at KEW Observatory.



• = Less than 0·5 mm.

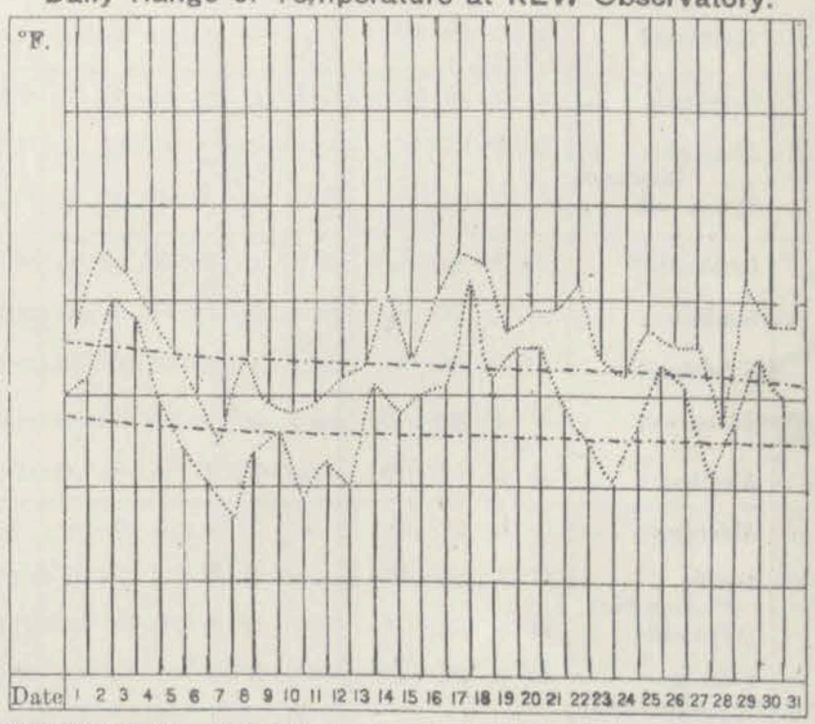
RAINFALL. Total for Month. 37 mm.

Daily Sunshine at KEW Observatory



SUNSHINE. Total for Month. 59 hrs.

Daily Range of Temperature at KEW Observatory.



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

MEAN VALUES FOR THE MONTH.*

Stations.	Pressure Mean	Pressure Difference from average	Temperature Mean	Temperature Difference from average
	mb.	mb.	°F.	°F.
Kew	1019·8	+6·1	42·3	+1·9
Aberdeen	1007·3	+0·4	40·7	+2·1
Valentia	1016·4	+5·7	46·7	+1·1

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

WIND FREQUENCIES AT 7 hr.

Kew	Aberdeen	Valentia
2	3	0

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

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

	miles.
Kew ...	7,125
Aberdeen ...	7,942
Lerwick ...	21,239
Valentia ...	11,464

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

†TEMPERATURE.

District.	Stations.	Number of daily readings within fixed limits. Maximum. 32° or below	33° - 41°	42° - 50°	51° - 59°	Average Maximum.	Number of daily readings within fixed limits. Minimum. 23° or below	24° - 32°	33° - 41°	42° - 50°	51° - 59°	Average Minimum.	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 ...	0	6	18	7	44.8	0	6	16	8	1	37.7	55	2	35	7	52	18	27	8	11
	(Kew Obsy).																				
	Croydon ...	0	6	19	6	44.3	0	6	15	9	1	37.2	56	17	35	7	52	18	25	8	9
	Calshot** ...	0	3	18	10	46.3	0	5	12	13	1	38.8	55	2	36	7	51	18	25	8	5
	(Southampton)																				
	Lympne ...	0	7	20	4	43.5	0	8	18	5	0	36.0	53	{3 18	37	{7 10	50	18	25	8	10
2	Shoeburyness ...	0	4	21	6	44.8	0	5	19	6	1	35.9	55	3	35	7	51	18	24	8	12
	Gorleston ...	0	7	21	3	44.0	0	4	20	6	1	37.2	55	18	36	11	52	18	28	8	3
	Cranwell ...	1	10	13	7	42.6	0	10	15	5	1	34.9	56	17	32	7	53	18	24	8	9
3	Birmingham ...	1	8	16	6	42.7	0	8	15	7	1	36.4	55	17	32	7	52	18	26	{7 8	9
	(Edgbaston)																				
4	Ross-on-Wye ...	0	6	18	7	44.8	0	5	12	13	1	37.2	56	17	35	7	53	18	28	{6 13	10
5	The Lizard ...	0	0	13	18	*	0	0	10	20	1	*	54	17	43	6	51	18	37	13	*
7	Holyhead ...	0	1	19	11	46.6	0	0	10	21	0	42.4	54	17	41	28	50	{18 20 21	34	11	2
8	Chester ...	0	6	14	11	45.4	0	7	12	12	0	37.3	58	17	33	10	50	{18 20	26	{7 8	7
	(Sealand)																				
10	Tynemouth ...	1	7	17	6	44.2	0	6	16	9	0	37.9	54	18	32	7	50	21	28	7	8
11	Inchkeith** ...	0	3	24	4	43.9	0	2	22	7	0	38.5	54	17	33	7	48	31	28	7	5
12	Renfrew ...	0	7	20	4	43.4	1	6	18	6	0	35.5	53	17	33	7	49	31	21	7	8
	Eskdalemuir ...	1	12	18	0	40.5	1	10	15	5	0	33.1	49	17	26	7	45	21	21	7	10
13B	Stornoway	0	5	23	3	44.4	0	2	18	11	0	37.7	51	{3 20 30	36	6	47	10	30	{6 7	*
15	Aberdeen ...	0	9	19	3	42.9	0	7	16	8	0	36.6	54	24	33	7	48	31	26	7	11
18	Aldergrove ...	0	6	21	4	*	0	6	16	9	0	*	53	17	37	5	48	20	31	{7 13	7
19	Dublin ...	0	2	18	11	46.9	0	6	18	7	0	35.9	57	21	39	6	50	21	27	28	11
	(Phœnix Park)																				
	Birr Castle ...	0	2	20	9	45.7	0	5	15	11	0	37.6	57	17	40	5	50	21	30	{9 12	10
20	Valentia ...	0	0	20	11	49.1	0	0	13	17	1	43.0	55	17	45	{6 25	51	20	34	23	2
	(Cahirciveen)																				

LOW CLOUD.

Number of observations within fixed limits.

District.	Stations.	7 h. Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	13 h. Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	18 h. Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.
1	London ...	5	21	0	9	16	0	7	11	0
	(Kew Obsy).									
	Croydon ...	5	17	0	5	22	0	4	18	0
	Calshot** ...	4	20	0	6	23	0	5	21	0
	(Southampton)									
	Lympne ...	9	16	3	12	12	2	11	13	0
2	Shoeburyness ...	5	18	0	2	20	0	3	16	0
	Gorleston ...	3	25	0	1	23	0	1	23	0
	Cranwell ...	2	18	1	6	17	0	5	15	0
3	Birmingham ...	5	15	0	3	22	0	5	20	0
	(Edgbaston)									
4	Ross-on-Wye ...	4	25	0	4	27	0	5	23	0
5	The Lizard ...	1	30	0	1	30	0	1	30	0
7	Holyhead ...	3	28	0	3	28	0	2	28	0
8	Chester ...	1	26	0	2	27	1	2	22	2
	(Sealand)									
10	Tynemouth ...	14	17	0	11	20	0	17	14	0
11	Inchkeith** ...	2	29	0	5	26	0	2	29	0
12	Renfrew ...	4	26	0	5	26	0	6	21	2
	Eskdalemuir ...	12	17	0	16	14	0	15	16	0
13B	Stornoway	0	31	0	0	31	0	0	31	0
15	Aberdeen ...	0	26	0	2	24	2	3	17	1
18	Aldergrove ...	13	14	0	9	30	1	10	18	0
19	Dublin ...	*	*	*	*	*	*	*	*	*
	(Phœnix Park)									
	Birr Castle ...	0	23	0	0	30	0	0	28	0
20	Valentia ...	10	21	0	8	23	0	8	23	0
	(Cahirciveen)									

FOG, MIST and GOOD VISIBILITY.

Number of observations within fixed limits.

District.	Stations.	7 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	13 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.
1	London ...	0	1	1	1	10	0	1	2	2	8
	(Kew Obsy).										
	Croydon ...	0	0	2	2	16	0	1	0	3	1
	Calshot** ...	0	0	1	0	23	0	0	1	0	19
	(Southampton)										
	Lympne ...	0	0	1	5	18	0	2	2	1	13
2	Shoeburyness ...	0	0	3	1	17	0	0	1	2	13
	Gorleston ...	0	0	2	2	6	0	0	2	2	2
	Cranwell ...	0	2	0	3	14	0	1	2	2	11
3	Birmingham ...	0	1	0	1	23	1	0	2	3	11
	(Edgbaston)										
4	Ross-on-Wye ...	0	1	0	2	21	0	0	1	2	22
5	The Lizard ...	0	0	0	0	27	0	0	0	0	23
7	Holyhead ...	0	0	0	0	27	0	0	0	0	29
8	Chester ...	0	0	2	1	14	0	1	0	3	19
	(Sealand)										
10	Tynemouth ...	0	0	0	1	20	0	0	2	5	5
11	Inchkeith** ...	0	0	0	0	27	0	0	0	2	18
12	Renfrew ...	0	0	0	3	17 (18)	0	0	2	3	14
	Eskdalemuir ...	0	0	2	2	19	0	0	1	2	20
13B	Stornoway	0	0	0	0	21	0	0	0	0	26
15	Aberdeen ...	0	0	0	0	25	0	0	1	0	14
18	Aldergrove ...	0	0	0	0	26	0	0	0	0	23
19	Dublin ...	*	*	*	*	*	*	*	*	*	*
	(Phœnix Park)										
	Birr Castle ...	0	0	0	0	31	0	0	0	0	30
20	Valentia ...	0	0	0	0	27	0	0	0	0	26
	(Cahirciveen)										

UPPER AIR TEMPERATURE.

Pressure. mb.	※ Normal Height. Feet.	※ Normal Temperature. °F.	Mildenhall. Mean. °F.	No. of Reports.	Mean. °F.	No. of Reports.	Mean. °F.	No. of Reports.
950	1,730	37.6	40.7	37				
850	4,640	31.1	33.8	39				
750	7,870	22.7	25.0	39				
650	11,490	11.3	15.5	39				
550	15,620	-3.2	2.4	39				

※ Normals for Duxford.

UPPER WINDS.

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

Station. Height. Feet.	Lympne. No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75	Plymouth (Mt. Batten). No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75	Holyhead. No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75	Renfrew. No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75	Station. Height. Feet.
		miles per hour.						miles per hour.						miles per hour.						miles per hour.					
2,000	56	3	15	29	9	0	43	5	20	16	2	0	45	6	19	20	0	0	53	3	22	19	9	0	2,000
5,000	24	0	11	12	1	0	10	1	4	4	1	0	9	2	5	2	0	0	17	2	7	4	3	1	5,000
10,000	4	0	2	2	0	0	2	0	2	0	0	0	1	0	1	0	0	0	7	0	4	3	0	0	10,000
15,000	1	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0	0	1	1	0	15,000

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

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

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

SUNSHINE, RAINFALL, AND HUMIDITY DECEMBER 1936.

District	Stations	SUNSHINE. Number of Days with Duration. Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration. Hours.	Date.	Total for past 12 months. Hours.	Difference from average. Hours.	Total for Month. Hours.	Difference from average. Hours.	Highest and Lowest Totals on record for Month. First year of record.	Highest. Hrs.	Year.	Lowest. Hrs.	Year.	RAINFALL. ‡Number of days with amount. 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	Above 25 mm.	Maximum fall in 24 hrs. mm.	Date.	Total for past 12 months. mm.	Difference from Average. mm.	Total for Month.‡ mm.	Difference from Average. mm.	Highest and Lowest Totals on record for Month. First year of record.	Highest. mm.	Year.	Lowest. mm.	Year.	Days with Thunder.	Days with Snow or Sleet.
1	London ... (Kew Obsy.)	14	9	3	5	0	6·4	13	1309	-156	59	+22	1880	72	'86	0	'90	13	7	10	1	0	0	11	14	605	-1	37	-21	1856	162	'14	6	'26	0	1
	Croydon ...	12	10	7	2	0	6·7	15	1251	-299	58	+16	1922	58	'29	19	{'30 '34}	13	5	9	3	0	1	31	14	766	+87	78	+9	1921	174	'29	8	'26	0	3
	Calshot** ... (Southampton)	11	10	5	5	0	7·1	{4 7 30}	1530	-251	68	+8	1881	86	'86	21	'90	15	4	8	4	0	0	15	17	707	+61	61	-13	1871	251	'14	10	'26	0	0
	Lympne ...	9	8	9	5	0	6·9	15	1574	-202	82	+23	1921	85	'26	19	'34	15	4	8	4	0	0	10	14	762	+38	60	-22	1920	181	'29	14	'32	0	1
2	Shoeburyness...	6	12	11	2	0	6·6	4	1492	-224	77	+25	1919	73	'26	20	'34	14	7	8	2	0	0	7	2	535	+55	33	-11	1920	82	'28	5	'32	0	1
	Gorleston ...	10	10	10	1	0	6·2	19	1536	-113	67	+24	1908	64	'25	20	'34	15	9	5	2	0	0	7	{6 14}	630	+8	36	-26	1871	151	'14	12	'32	0	3
	Cranwell ...	11	13	6	1	0	6·3	6	1381	-169	56	+7	1921	62	'29	30	'34	15	6	8	2	0	0	7	14	651	+61	39	-17	1917	92	'29	9	'33	0	3
3	Birmingham ... (Edgbaston)	13	9	9	0	0	5·7	{15 30}	1129	-169	51	+8	1887	90	'91	5	'90	13	5	10	2	1	0	17	14	827	+153	68	0	1893	155	'14	11	'26	0	3
4	Ross-on-Wye ...	13	10	6	2	0	6·8	7	1279	-201	53	+5	1915	73	'29	30	{'15 '27}	16	4	6	3	1	1	33	13	840	+122	101	+25	1859	196	'29	11	'26	0	3
5	Falmouth ... (Observatory)	9	13	7	2	0	6·3	4	1549	-176	59	+3	1881	82	'86	19	'90	8	5	11	5	1	1	28	13	1174	+67	116	-43	1871	280	'15	21	'26	0	0
7	Holyhead ...	13	14	4	0	0	5·2	4	1561	+16	31	-10	1914	71	'16	15	'31	12	7	5	4	1	2	36	11	964	+76	143	+37	1871	241	'34	21	'26	0	0
8	Chester ... (Sealand)	11	12	8	0	0	5·0	4	1231	-120	45	+1	1928	76	'29	23	'27	15	4	7	5	0	0	14	13	780	+119	64	0	1922	114	'29	13	'33	0	2
10	Tynemouth ...	10	14	7	0	0	5·7	4	*	*	49	*	1935	*	*	*	*	21	7	1	1	1	0	19	14	719	+98	32	-23	1915	133	'15	15	'32	0	1
11	Inchkeith** ...	11	15	5	0	0	5·2	15	1351	-77	39	+1	1923	51	{'24 '29}	19	'33	12	9	8	2	0	0	6	{4 21}	579	+25	34	-1	1870	145	'76	7	'26	0	1
12	Renfrew ...	15	15	1	0	0	3·1	6	1076	-122	18	-13	1921	43	{'23 '29}	12	'27	6	5	7	11	1	1	32	13	1029	+90	165	+52	1921	230	'29	15	'33	2	4
	Eskdalemuir ...	15	11	5	0	0	6·0	6	1191	-13	39	+7	1910	60	'35	3	'12	8	5	3	7	6	2	38	13	1486	+57	240	+63	1910	339	'32	37	'33	0	6
13a	Stornoway ...	19	12	0	0	0	1·9	14	1330	+99	12	-10	1881	54	'35	6	'84	1	5	10	12	2	1	29	10	985	-281	197	+34	1870	378	'98	30	'27	1	7
15	Aberdeen ...	8	17	6	0	0	4·3	4	1465	+135	51	+14	1881	68	'31	7	'03	14 15	6 4	10	2	0	0	13	13	607	-141	50	-32	1871	227	'76	20	'05	0	6
18	Aldergrove ..	16	11	4	0	0	4·1	18	1280	*	30	*	1927	70	'35	21	'31	9	5	7	10	0	0	13	13	893	+55	95	+8	1926	145	'29	28	'26	0	2
19	Dublin ... (Phœnix Park)	10	15	5	1	0	6·1	4	1306	-149	49	+3	1881	79	'97	20	'10	12	7	10	1	1	0	19	13	750	+45	64	-1	1865	166	'14	19	'85	0	2
	Birr Castle ...	10	16	5	0	0	5·3	29	1220	-91	42	-1	1881	68	'81	22	'84	6	14	6	3	2	0	19	13	874	+45	80	-4	1862	165	'29	24	'85	0	1
20	Valentia ... (Cahirciveen)	14	13	4	0	0	4·4	23	1374	+2	33	-5	1880	66	'33	14	'31	4	6	10	7	3	1	37	13	1253	-161	181	+12	1866	345	'34	37	'26	0	0

MINIMUM SURFACE HUMIDITY.

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

Stations.	90 to 100 %	80 to 89 %	70 to 79 %	60 to 69 %	50 to 59 %	40 to 49 %	30 to 39 %	20 to 29 %	10 to 19 %
London (Kew)	2	9	13	6	0	1	0	0	0
Ross-on-Wye ...	0	5	9	12	4	1	0	0	0
Falmouth (Obsy.)	2	6	11	8	3	1	0	0	0
Renfrew ...	0	10	15	5	1	0	0	0	0
Eskdalemuir ...	4	11	10	4	2	0	0	0	0
Aberdeen ...	0*	1	8	18	4	0	0	0	0
Valentia ...	0	6	11	10	2	2	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 18 h.

No. of Days each type was recorded.

Stations.	0	1	2	3	4	5	6	7	8	9
London (Kew)	0	29	1	0	1	0	0	0	0	0
Ross-on-Wye	0	31	0	0	0	0	0	0	0	0
Renfrew ...	0	29	0	0	1	0	1	0	0	0
Eskdalemuir	0	22	1	1	2	0	2	2	1	0
Aberdeen ...	0	24	0	1	5	0	1	0	0	0
Valentia ...	0	31	0	0	0	0	0	0	0	0

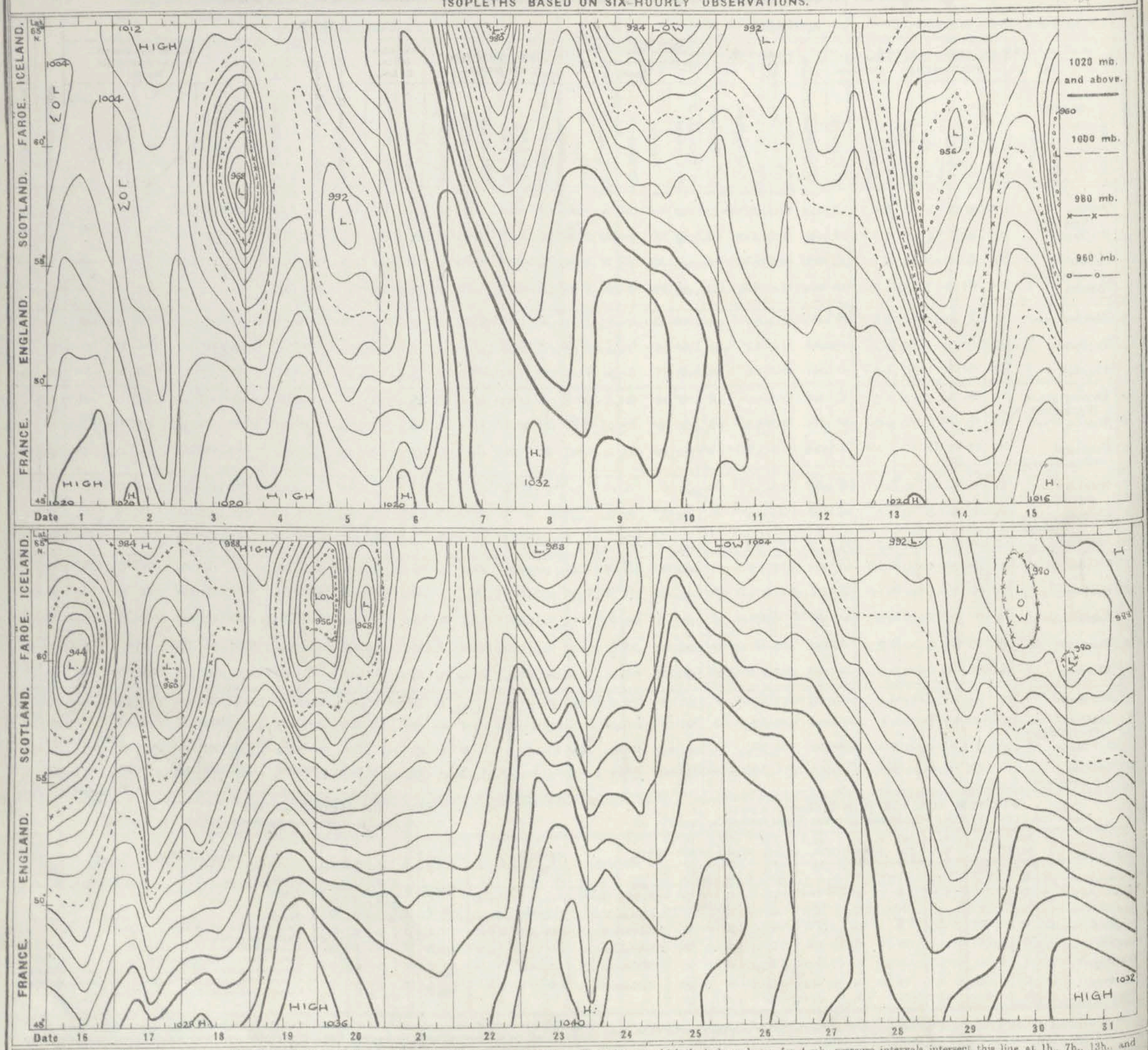
CODE for State of Ground.

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.

PRESSURE: ICELAND TO GULF OF LIONS DECEMBER 1936.

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.



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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 1st December, 1936.
No. 27403.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1013·9	−16	W	3	c	54	75	6	5	3	-	7-8	7-8	2500
	Croydon ...	1013·7	−14	WSW	4	z_o	51	85	6	5	3	-	9	9+	1500
	S. Farnborough	1014·2	−18	W'N	4	c	54	75	8	5	3	9	7-8	7-8	1500
	Boscombe Down	1016·1	−8	W'N	5	c	52	85	7	5	-	9	4-6	7-8	2500
	Calshot (8thmtn.)	1016·1	−10	W'N	4	c	52	85	8	8	7	8	4-6	9	1500
	Lympne ...	1014·2	−10	W'N	4	c	48	85	7	-	7	6	0	9+	~
	Manston ...	1012·7	−16	NW'N	4	c	52	75	7	5	7	-	4-6	9+	4000
2	Shoeburyness ...	1012·9	−12	WSW	3	m	50	85	4	5	3	-	4-6	9+	2500
	Felixstowe ...														
	Gorleston ...	1008·7	−18	W	5	c	51	75	6	5	3	-	7-8	7-8	2500
	Mildenhall ...	1010·5	−10	W	4	c	51	85	8	5	-	-	10	10	1500
	Cranwell ...	1009·6	−10	W'N	6	c	50	65	7	8	-	-	9	9	2500
3	Birmingham ...	1012·1	−20	WNW	4	c	51	75	6	6	-	-	7-8	7-8	1500
	Upper Heyford	1013·6	−18	WNW	6	q	52	75	8	8	-	9	9	9+	2500
4	Ross-on-Wye	1014·3	−10	W	4	q	54	65	8	8	-	-	9	9	2500
5	Portland Bill ...	1017·0	−16	NW	4	c	54	85	7	4	-	-	7-8	7-8	2500
	Plymouth ...	1020·0	−8	NW'W	5	c	54	75	8	5	3	-	4-6	7-8	1500
	The Lizard ...	1021·7	−2	W'N	5	c	61	95	8	8	2	-	7-8	9+	1500
	Scilly (St. Mary's)	1023·2	0	WNW	5	c	52	95	7	8	-	-	9+	9+	1500
	Guernsey ...	1020·4	−2	WNW	5	o	51	95	7	5	-	-	10	10	1500
6	Pembroke ...	1017·9	−6	WNW	6	q	53	85	7	8	-	-	9+	9+	2500
7	Holyhead ...	1014·4	−6	WNW	7	c	51	75	7	8	-	-	9+	9+	2500
	Chester (Sealand)	1012·1	−2	W	8	z_o	52	65	6	5	-	-	7-8	7-8	2500
8	Manchester ...	1011·1	−6	WNW	6	ir_o	49	85	6	5	-	-	9+	9+	1500
10	Spurn Head ...	1006·6	−4	WNW	6	q	49	75	7	5	2	-	4-6	9	2500
	Catterick ...	1006·4	−4	NW'W	4	c	50	65	8	8	6	-	7-8	7-8	2500
	Tynemouth ...	1004·2	−20	W	6	bc	50	65	8	2	-	-	4-6	4-6	2500
11	Inchkeith ...	1001·9	−20	W	8	c	46	95	8	8	6	-	4-6	7-8	2500
12	Leuchars ...	1000·4	−4	W	6	b	49	56	8	1	-	-	1	1	1500
	Renfrew (Abbotsl.)	1005·3	−10	NW'W	6	pr_o	45	85	8	8	-	-	4-6	4-6	1500
	Eskdalemuir ...	1005·0	−12	W	6	c	45	75	8	5	-	-	7-8	7-8	1600
	Point of Ayre ...	1010·6	−8	NW	7	bc	50	85	8	3	4	-	2-3	4-6	1500
13A	Tiree	1006·8	−10	NWW	8	bc/pr	47	65	7	3	6	-	2-3	4-6	1500
13B	Stornoway ...	998·6	−4	WNW	7	c/phr	42	85	8	9	7	3	4-6	7-8	1500
15	Dalwhinnie ...	1002·6	−14	W	6	iR	39	85	7	6	-	-	10	10	2500
	Aberdeen ...	997·3	−10	WNW	6	pr	47	55	8	3	-	3	4-6	9+	1500
	Wick ...	993·1	−16	W	8	c/phr	41	85	7	9	6	-	4-6	7-8	1500
16	Lerwick ...	989·9	−8	W	9	c/phr	42	75	7	9	8	-	4-6	7-8	800
17	Blacksod Point	1019·6	+14	NW	5	bc	49	75	8	9	-	-	4-6	4-6	1500
18	Malin Head ...	1010·9	−6	W	6	c	47	95	7	8	-	-	9	9	1500
	Aldergrove ...	1012·8	−6	WN	5	q	47	75	8	5	3	-	7-8	7-8	1500
19	Birr Castle ...	1018·5	+2	NW	3	c	50	75	8	6	1	-	7-8	9+	2500
20	Valentia Obsy. †	1024·2	0	WNW	5	jp	52	75	8	6	-	-	9+	9+	1500
	Roches Point	1020·6	−10	NW	5	bc	52	85	8	3	-	-	4-6	4-6	1500

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1013·4	+8	WNW	4	c	51	95	8	5	-	-	9+	9+	2500	1	*
	Croydon ...	1013·4	+10	WNW	5	z_o	50	65	6	5	-	-	9+	9+	5700	1	*
	S. Farnborough	1014·0	+4	W'N	3	c	50	75	7	5	-	-	7-8	7-8	2500	1	*
	Boscombe Down	1015·4	+6	NW	5	c	49	75	7	5	-	-	7-8	7-8	1500	1	*
	Calshot (8thmtn.)	1015·1	−2	WNW	5	bc	51	75	8	5	4	-	2-3	4-6	2500	1	2
	Lympne ...	1012·8	+4	W'S	3	c	48	85	6	5	7	-	7-8	9+	2500	1	2
	Manston ...	1011·8	0	W	4	bc	50	75	6	5	7	-	4-6	4-6	4000	1	*
2	Shoeburyness ...	1012·0	+6	W	3	c	50	75	7	6	-	-	9+	9+	4000	1	*
	Felixstowe ...																
	Gorleston ...	1008·0	+2	W'N	4	c	50	65	6	5	-	-	9	9	2500	1	3
	Mildenhall ...	1010·0	−2	WNW	6	c	50	65	8	5	-	-	10	10	2500	1	*
	Cranwell ...	1009·7	+4	W	5	bc	46	75	7	5	-	-	2-3	2-3	2500	1	*
3	Birmingham ...	1012·7	+4	WNW	5	b/pr	46	75	8	-	-	-	0	0	-	1	*
	Upper Heyford	1014·0	+8	W	6	q	47	65	8	5	-	-	4-6	4-6	2500	1	*
4	Ross-on-Wye	1015·8	+8	WNW	3	c	49	55	8	5	-	-	7-8	7-8	2500	1	*
5	Portland Bill ...	1017·1	+4	NW	5	bc	52	65	8	4	-	-	4-6	4-6	2500	1	3
	Plymouth ...	1019·5	+4	NW'N	5	c	53	75	7	5	3	-	7-8	9	2500	1	2
	The Lizard ...	1021·9	+6	WNW	5	bc	51	85	8	8	-	-	4-6	4-6	2500	1	3
	Scilly (St. Mary's)	1023·4	+12	NW	5	c	51	85	7	5	-	-	7-8	7-8	2500	1	3
	Guernsey ...	1019·7	0	NW	5	bc	53	85	7	8	-	-	4-6	4-6	2500	1	4
6	Pembroke ...	1018·3	+6	NW	8	q	51	65	7	8	-	-	7-8	7-8	2500	1	4
7	Holyhead ...	1014·6	+8	NW	8	bc	49	65	8	2	-	-	4-6	4-6	2500	1	3
	Chester (Sealand)	1013·3	+10	WNW	5	RR	47	85	7	9	2	-	9	10	1500	1	*
8	Manchester ...	1011·5	+14	NW'W	6	bc	46	75	7	6	-	-	4-6	4-6	4000	1	*
10	Spurn Head ...	1006·0	−6	WNW	7	q	46	85	7	-	7	-	0	2-3	-	0	6
	Catterick ...	1007·0	+14	WSW	6	b/pr	44	65	8	4	-	-	Tr	Tr	2500	1	*
	Tynemouth ...	1004·4	+14	W	6	bc	44	65	7	2	-	-	4-6	4-6	1500	1	2
11	Inchkeith ...	1003·0	+10	WSW	6	pr_o	43	85	8	8	-	-	9+	9+	4000	0	4
12	Leuchars ...	1001·6	+10	WNW	6	q	41	75	8	8	-	-	1	1	1500	1	*
	Renfrew (Abbotsl.)	1006·2	+12	WNW	6	bc/pr	42	75	8	8	-	-	4-6	4-6	1500	1	*
	Eskdalemuir ...	1006·9	+12	WNW	6	pr_o	39	75	7	7	-	-	4-6	4-6	1500	1	*
	Point of Ayre ...	1011·0	+6	NW	8	bc	49	85	8	5	4	-	1	2-3	1500	1	5
13A	Tiree	1009·0	+22	NW	8	bc	44	65	6	8	6	-	2-3	2-3	1500	1	5
13B	Stornoway ...	1000·2	+22	WNW	8	c/phr	42	75	8	9	7	3	4-6	7-8	1500	1	4
15	Dalwhinnie ...	1004·4	+10	NW	5	s	35	85	6	6	-	-	10	10	1500	1	*
	Aberdeen ...	997·7	+10	WNW	7	pr_o	41	75	8	9	-	3	4-6	4-6	1500	1	2
	Wick ...	992·9	0	W	8	c/phr	38	85	8	9	6	-	4-6	7-8	1500	1	4
16	Lerwick ...	989·9	+8	WNW	9	c/phr	43	85	7	9	7	-	4-6	7-8	800	1	*
17	Blacksod Point	1021·6	+12	NW	7	bc	48	75	8	9	-	-	4-6	4-6	1500	1	5
18	Malin Head ...	1012·7	+14	W'N	6	c/pr	44	95	6	8	-	-	7-8	7-8	1500	1	4
	Aldergrove ...	1014·0	+10	WNW	6	pr_o	43	85	8	4	-	-	4-6	4-6	1500	1	*
19	Birr Castle ...	1020·5	+14	NW	3	bc/pr	46	85	8	3	-	-	2-3	2-3	2500	1	*
20	Valentia Obsy. †	1026·2	+10	NW	5	bc	50	65	8	5	-	-	4-6	4-6	1500	1	3
	Roches Point	1023·2	+14	NW	5	bc	50	85	8	5	-	-	4-6	4-6	1500	1	3

PAST 24 HOURS.

Weather. 7h.—13h. (37)	13h.—18h. (38)	18h.30m. to 1h.—1st (39)	1h.—7h. 1st (40)
cm_o	$cz_o cy$	cbcyc	cm_o
cm_o	$cbcm_o z_o$	$cz_o bcq$	bbcc
cbcc	bccbc	bcb	b
c	cbcq	bcq	bcq bq
bcc	cbcc	bcb	b
fcm.	ccm.	$cm_o bz_o$	$bz_o wbc$
$fcm_o z_o$	$ebcz_o$	$bcz_o cbq$	bq
$cm_o m$	cmc	cbc	bc
cq	cq	cprbcq	bbcq
$cz_o c$	c	c, b	b
c mid q	$pr_o bc$	bbcb	b
cpr_o	bcpr.	bbc	bcc
bcc	$cq_1 bc$	bcbcq	bcq
cbcc	ccbcy	$p_o bcq_o$	bbc
c	c	bc	bcc
cbc	bccpr.	cb	b
cpr.c	cbc	bcq	bcq
cid.	cbcc	cbcc	cbc
oco	ocbc	bccq	bcc
cbccq	cqpr.	cbcq	bccq
$cpr_o c$	$cpr_o bc$	cbc	bc
$cr_o m_o$	$cz_o prR$	PHPRpr	c
$cd_o drc_o$	$cpr_o bcm_o$	bcbbc	bccprPR
cq	cbcq	bcq	bcq
bcc	cbc pr_o	$pr_o bcb$	b
bcq	bcpq	bcq	bcc
cq	cprq	cbc	bc
bqy	bqcpr.	bqcpr.	bq
$bcpr_o pr$	prqbc	bcPRq	bcPRq
$cir_o bc$	cprbc	bcprb	bbcb
cbc	$cpr_o c$	cPhr	PHRc
cpRq	bcpp	bc	cprq
$pr_o phr$	cphrlq	cphrlq	cphr
cir	csrs	*	c is
bqy	bcpr.	bcqpr	$cpr_o b$
PHRq	PHRq	IHSlq	PHRsq
cphrq	cphrq	cphrq	cphrq
pr.cq	pr.cq	pr.cq	pr.cq
cpr	tpr	cpr	cpr
$cr_o pr_o c$	$cb_1 cpr_o$	$bcpr_o$	$bcpr_o$
c	cbcpr	bcprbc	bcc
$id_o pr_o c$	cbc	c	c
$cpr_o bc$	$cpr_o bc$	bcc	cbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s_o, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s_o/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r_o, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ◐ lunar halo. gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; + has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo-stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

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

† Sea disturbance reported from Dungeness.

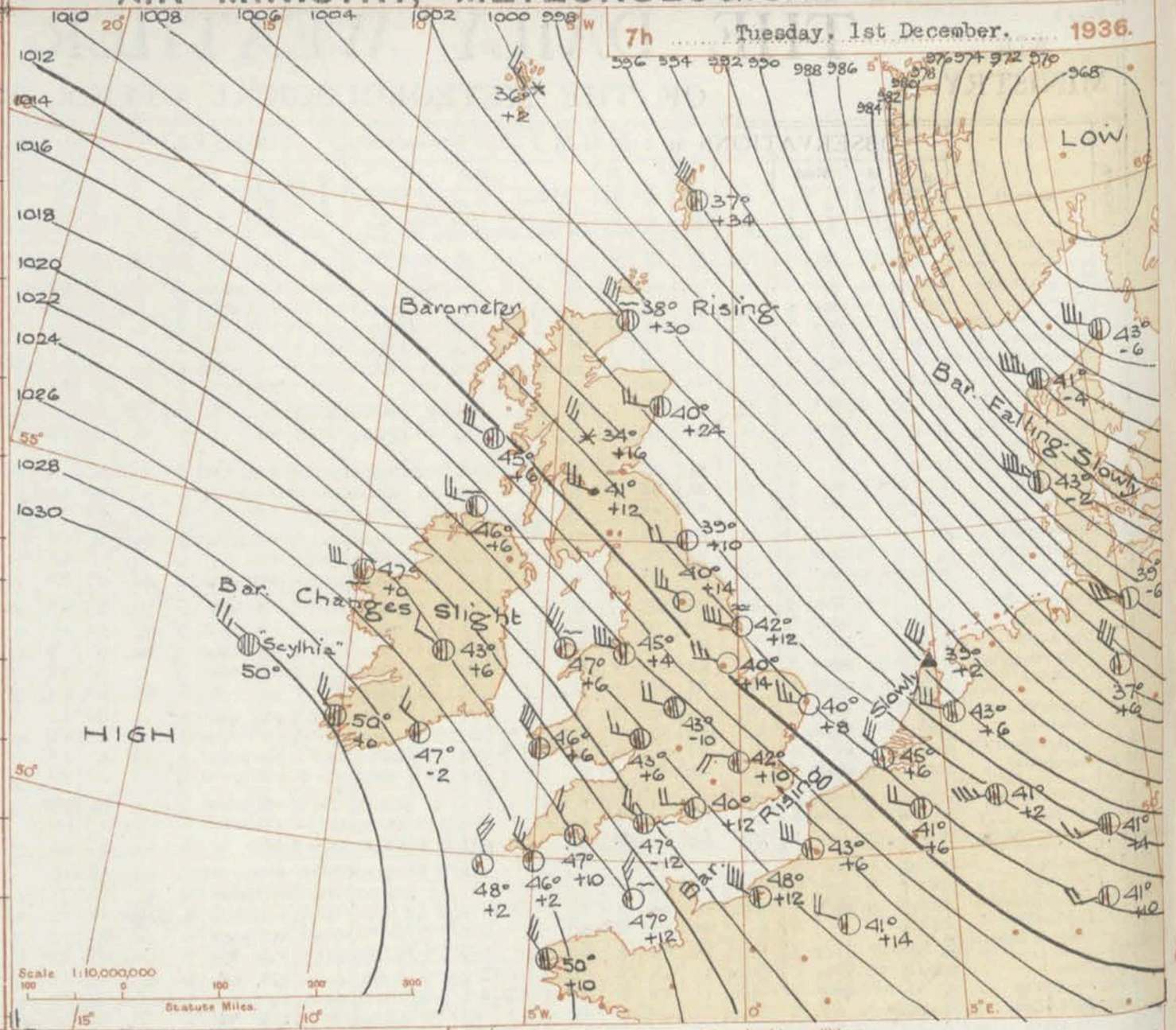
REPORTS from HEALTH RESURTS for 30th November 1936

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F) Min. 9h. 29th to 9h. 30th	Temperature (F) Max. 9h.—17h. 30th.	Rainfall (mm) Night. 17h. 29th to 9h. 30th	Rainfall (mm) Day. 9h.—17h. 30th.	Sunshine (hrs) Sunrise to Sunset 30th.
1	Tunbridge W.	co	coc	35	52	1	-	0·1
	Bournemouth	o	oco	36	52	2	-	0·5
	Ventnor ...	rcbo	ocv	43	53	5	-	1·4
	Southsea ...	bcc	bcco	40	53	4	-	0·2
	Bognor Regis	c	c	36	52	3	-	0·0
	Littlehampton	c	cbc	32	52	3	-	0·3
	Worthing ...	c	c	35	53	3	-	0·2
	Brighton ...	c	dc	37	52	2	Trace	0·3
	Eastbourne†	c	cbc	45	52	2	-	0·1
	Hastings† ...	ccbc	cbcbc	47	52	3	-	0·3
	Folkestone ...	omc	c	37	51	3	-	0·0
	Dover... ...	oc	cbcc	39	53	2	-	0·0
	Deal	dooc	c	36	52	2	-	2·0
	Ramsgate ...	cm	cm	42	52	2	-	0·0
	Margate ...	c	c	42	53	2	-	0·0
2	Southend ...	oc	cbcc	35	51	2	-	0·3
	Maldon ...	cbcc	co	42	53	1	-	0·3
	Clacton-on-Sea	c	c	36	52	1	-	0·1
	Dovercourt ...	oc	bc	40	52	1	-	0·1
	Lowestoft ...	coc	c	36	52	2	-	0·1
	Skegness ...	c	c	36	52	2	-	0·0
	Mablethorpe	coc	coc	41	52	1	-	0·3
	Cleethorpes ...	or	bcr	37	52	0·3	Trace	0·0
3	Leamington S.	c	c	45	53	0·5	-	1·2
4	Cheltenham†	cpc	c	43	53	0·5	Trace	0·5
5	Bath	cbc	cbc	40	54	1	-	1·7
	Weymouth ...	c	c	45	56	0·3	-	1·3
	Jersey ...	rco	oc	47	53	2	-	0·0
	Torquay ...	wbc	cbcq	40	56	1	-	2·8
	Penzance ...	c	ccbcc	49	53	0·4	-	0·2
	St. Ives ...	o	o	49	52	Trace	-	0·0
	Bude	c	cbcp	44	53	-	Trace	0·9
	Ilfracombe ...	pco	cbccc	48	53	0·2	-	0·6
6	Aberystwyth	prc	c	46	51	1	-	0·4
7	Llandudno ...	c	circ	47	52	1	0·1	0·9
	Colwyn Bay...	ccbc	bcppb	50	52	0·6	1	1·1
	Rhyl	c	cprc	47	52	0·2	0·2	0·1
8	Wallasey ...	bcc	cRo	47	50	0·5	1	0·3
	Southport‖ ...	roc	cpbcq	49	51	0·1	1	0·4
	Blackpool ...	c	c	47	50	-	-	1·5
	Morecambe ...	cdbcc	bcorr	45	50	0·3	3	1·9
9	Ilkley... ...	cbc	rb	43	51	1	2	3·3
	Harrogate ...	cbcq	cbcqp	43	50	Trace	Trace	1·8
10	Berwick-on-T.	pbc	b	47	49	-	-	4·8
11	Dunbar ..	bc	bc	41	47	-	-	3·7
12	Troon... ...	cbcrc	ocror	47	52	1	1	0·3
	Douglas ...	cbqir	cirbc	36	50	1	0·3	2·0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Tuesday, 1st December, ... 1936.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 1st December, 1936.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Moderate or fresh west wind, backing tomorrow; fair; rain late in period; average day temperature.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England	Moderate or fresh west to northwest wind, strong on coasts, backing southwest later; bright intervals and local showers of rain or hail at first; rain later; rather cold or average temperature.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Moderate or fresh west to northwest winds, backing southeast; bright periods and local showers today, some rain tomorrow with perhaps sleet or snow on high ground; rather cold.
13 A. W. Scotld. B.N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Fresh or strong northwest winds, moderating temporarily, backing southeast to east; showers of rain or hail at first; occasional rain, sleet or snow later; rather cold or cold.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate west to northwest winds, backing and freshening later, strong on coasts; bright periods and local showers at first, rain later; average temperature.

H.M. Stationery Office Press, Kingsway W.C.2. (L.M./M.O. Wt. 5018. D.6001. Gp. 508. 29700. 11/36.)

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:— Clear sky. Sky less than ⅛ clouded. Sky ⅛ to ⅝ clouded. Sky ⅝ to ⅞ clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A deep depression over Southern Scandinavia is moving slowly east and a depression about 1000 miles west of Scotland will probably move east. There will be showers of rain or hail in the North with snow on high ground. Weather will be fair at first in the South and West but rain is likely later in the West extending eastwards.

FURTHER OUTLOOK.

Bright intervals and showers; snow on high ground in the North.

Times of issue of Gale Warnings.

▼ South cone hoisted at 1645 on 28th in Districts 13B, 15 & 16; at 1915 on 28th in 12 & 18; at 0250 on 29th in 11 & 15; at 1900 on 29th in 6, 7, 8 & 12

▲ North cone hoisted at 0830 on 30th in district 10.

Forecasts issued at 1030 G.M.T.

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

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

Morning of

TUESDAY.
1st DECEMBER.

1936.

Clarke's Projection. Scale 1: 4 X 10⁷ along meridian at 55° N.
Statute Miles. 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

TEMPERATURE is given in degrees

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 1st December, 1936
No. 27403.

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud. Form. Low (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0-10 (12)	Cloud. Amount. Total 0-10 (13)	Cloud. Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1015·9	+8	W'N	4	b	44	75	7	–	–	–	0	0	–
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1015·4	+8	W	4	bc	42	75	6	5	–	–	2-3	2-3	4000
	Manston ...	142	1013·6	+2	NNW	6	bq	44	65	7	2	–	–	Tr	Tr	2500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1009·2	+2	W	6	b	42	75	7	–	–	–	0	0	–
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1019·6	+6	NW	5	bc	48	75	8	4	–	–	4-6	4-6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1025·2	+4	NNW	5	bcq	48	75	8	8	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	163	1026·5	+8	NNW	6	c	50	65	8	5	–	–	7-8	7-8	2500
	Guernsey ..	175	1022·5	+10	NNW	5	bc	49	65	8	2	–	–	4-6	4-6	2500
6	Pembroke ...	142	1022·1	+8	NW	9	bc q	48	65	7	5	6	–	2-3	4-6	4000
7	Holyhead ...	26	1017·5	+10	NW	8	bc	47	65	8	2	–	–	4-6	4-6	2500
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1007·8	+8	W'N	7	bc q	43	75	7	–	7	–	0	2-3	–
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1007·5	+16	W	4	bc	40	65	7	2	–	–	2-3	2-3	2500
11	Inchkeith ...	190	1006·0	+12	SW	6	bc	40	85	8	5	–	–	2-3	2-3	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1014·5	+18	NW	8	PHR	42	95	8	3	–	–	7-8	7-8	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1005·6	+32	NW	8	c	44	65	7	8	7	–	7-8	9	1500
15	Dalwhinnie ...	1178	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	998·6	+30	WNW	9	is	38	85	5	9	2	–	9	10	800
16	Lerwick ...	156	989·0	-34	WNW	9	c/phr	39	75	7	9	8	–	4-6	7-8	800
17	Blacksod Point	18	1025·0	+6	NW	7	bc	48	95	8	9	–	–	4-6	4-6	1500
18	Malin Head ...	52	1016·6	+20	W'N	6	c/pr	45	95	7	8	–	–	9+	9+	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1028·9	+10	WNW	5	bc	50	75	8	1	–	–	4-6	4-6	2500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
1017·7	+10	WSW	2	c	41	75	6	5	–	–	7-8	7-8	1500	1	*
1017·9	+10	W'N	4	bc	42	75	7	5	4 3	–	2-3	4-6	2500	1	*
1018·6	+6	W'N	4	bc	41	75	8	5	–	1	2-3	2-3	2500	1	*
1019·9	+4	NNW	4	bc	43	65	8	5	–	–	2-3	2-3	2500	1	*
1020·3	+12	W'S	4	bc	40	85	8	–	4	1	0	2-3	–	1	2
1017·4	+10	W'N	3	bc	39	75	7	5	–	–	4-6	4-6	2500	1	2
1015·1	+12	WNW	5	bq	42	75	7	5	–	–	1	1	5700	0	*
1016·0	+10	W	4	bc	41	75	7	–	3	–	0	4-6	–	1	*
1011·0	+8	W'N	5	bc	40	75	7	8	–	–	2-3	2-3	2500	1	3
1014·5	+14	WNW	5	b	39	75	8	5	–	–	Tr	Tr	2500	1	*
1013·7	+14	W'N	5	b	40	75	7	–	–	–	0	0	–	1	*
1018·0	+10	WNW	4	c	43	65	8	5	–	–	9	9	1500	1	*
1017·9	+10	WNW	6	bcq	42	75	8	5	–	–	4-6	4-6	1500	1	*
1019·6	+6	WNW	3	c	43	65	8	5	–	–	7-8	7-8	2500	1	*
1022·1	+12	NW	5	c	47	75	8	4	–	–	7-8	7-8	2500	1	4
1024·2	+10	NWN	3	bc	47	65	8	5	–	–	2-3	2-3	2500	1	1
1025·9	+2	NNW	5	bc	46	75	8	8	–	–	2-3	2-3	2500	1	3
1027·1	+2	NNW	6	bc	48	65	8	2	–	–	2-3	2-3	2500	1	3
1024·4	+12	NNW	5	c	47	65	7	8	–	–	7-8	7-8	2500	1	4
1022·8	+6	NW	8	cq	46	7 6 5	7	5	6	–	4-6	7-8	2500	0	3
1019·2	+6	NW	7	bc	47	65	8	2	–	–	4-6	4-6	2500	0	4
1016·8	+4	W'N	7	bc	45	65	7	8	–	–	2-3	2-3	2500	1	*
1016·4	+10	NW	5	pr	41	85	6	9	–	–	9+	9+	1500	2	*
1010·3	+12	WNW	8	bq	42	75	7	–	1	–	0	1	–	0	6
1012·7	+14	NNW	5	b	40	65	8	–	8	–	0	Tr	–	1	*
1010·3	+10	W	4	bc	39	65	8	2	–	–	2-3	2-3	2500	1	2
1011·1	+12	NW	4	bc	40	85	8	5	–	–	4-6	4-6	2500	0	3
1009·3	+18	WNW	6	bc	38	65	8	7	–	–	2-3	2-3	2500	1	*
1012·9	+12	WNW	5	pr	41	75	8	5	–	–	4-6	4-6	2500	1	*
1012·6	+18	WNW	6	b	37	75	8	5	–	1	Tr	Tr	2500	1	*
1016·1	+10	NNW	7	c	46	85	8	3	–	–	7-8	7-8	1500	1	5
1014·9	+6	WNW	6	c	45	75	7	8	7	9	4-6	7-8	1500	0	*
1009·0	+6	WNW	6	c/pr	41	85	7	8	7	–	7-8	9	1500	1	4
1011·4	+16	NW	5	is	34	75	6	3	6	–	7-8	10	2500	6	*
1005·8	+24	WNW	5	c	40	55	8	8	–	–	7-8	9	800	6	5
1003·4	+30	NW	8	c/phr	38	85	8	9	2	–	7-8	9	800	6	5
996·5	+34	NW	8	c/phr	37	75	7	9	8	–	4-6	7-8	800	1	*
1025·0	0	W	6	c	47	85	7	9	–	–	7-8	7-8	800	1	4
1018·4	+6	W'N	5	c/phr	46	95	7	8	–	–	7-8	7-8	1500	1	4
1019·6	+6	WNW	4	bc	40	85	8	5	8	–	2-3	2-3	1500	1	*
1024·3	+6	WNW	2	c	43	85	8	8	–	–	7-8	7-8	2500	1	*
1029·3	0	NW	5	c	50	65	8	5	–	–	9+	9+	2500	1	3
1027·4	-2	NW	3	bc	47	85	8	5	–	–	4-6	4-6	1500	1	3

PAST 24 HOURS.

District	Stations	Temperatures. Max. Day 7h–18h °F. (31)	Temperatures. Min. Night 18h–7h °F (32)	Temperatures. Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 30th Hrs. (36)
1	London (Kew)	55	40	35	–	–	1·2
	Croydon ...	54	41	38	–	–	0·6
	S. Farnborough	55	40	33	–	–	2·8
	Boscombe Down	52	40	34	–	–	1·7
	Calshot (Sthmtn.)	53	39	36	–	–	0·4
	Lympne ...	49	38	34	–	–	0·0
	Manston ...	52	42	38	–	–	0·0
2	Shoeburyness ...	53	40	34	–	–	0·3
	Felixstowe ...						
	Gorleston ...	52	39	36	–	Tr	0·1
	Mildenhall ...	52	39	37	–	–	0·1
	Cranwell ...	51	39	36	0·1	–	0·1
3	Birmingham ...	53	40	36	Tr	–	1·9
	Upper Heyford	53	40	35	–	–	*
4	Ross-on-Wye	55	42	35	–	Tr	1·5
5	Portland Bill ...	54	44	*	–	–	*
	Plymouth ...	55	47	44	Tr	–	1·1
	The Lizard ...	52	46	*	0·1	–	*
	Scilly (St. Mary's)	52	48	*	Tr	–	1·1
	Guernsey ..	53	47	42	–	–	0·2
6	Pembroke ...	53	46	*	Tr	–	2·6
7	Holyhead ...	53	47	44	0·1	–	0·6
	Chester(Sealand)	5 5 3	45	40	2	2	1·8
8	Manchester ...	51	38	35	1	2	0·3
10	Spurn Head ...	52	40	*	–	–	0·1
	Catterick ...	54	40	36	Tr	Tr	3·3
	Tynemouth ...	52	38	33	Tr	–	4·9
11	Inchkeith ...	50	37	34	0·3	–	2·4
	Leuchars ...	50	36	32	0·2	Tr	4·5
12	Renfrew (Abbots I.)	48	37	34	4	4	1·2
	Eskdalemuir ...	47	35	33	1	1	2·7
	Point of Ayre...	52	40	*	0·3	7	3·2
13A	Tiree	48	42	39	2	0·2	1·2
13B	Stornoway ...	46	36	*	3	3	0·5
15	Dalwhinnie ...	42	32	30	10	3	0·0
	Aberdeen ...						4·7
	Wick ...	48	36	33	0·1	2	
16	Lerwick ...	44	34	*	8	14	*
17	Blacksod Point	52	42	*	0·2	0·4	*
18	Malin Head ...	51	43	*	1	3	0·0
	Aldergrove ...	48	39	34	0·3	1	1·1
19	Birr Castle ...	51	40	37	0·1	Tr	0·9
20	Valentia Obsy. †	53	49	42	Tr	–	0·9
	Roches Point	54	45	*	Tr	–	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—16h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	cm.	c2c y	cbcm.	55	40	35	–	–	1·2	*	*	6
Croydon	217	cm.	cbcm. 2	c2. bcq	54	41	38	–	–	0·6	*	*	6
Greenwich (Royal Observatory)...	149	cm	cm.	cbcm	54	40	33	–	–	0·0	74	69	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	54	43	34	–	–	0·2	69	71	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	54	42	39	–	–	0·1	76	67	*
Camden Square	110	c	c	*	54	42	36	–	–	*	*	73	*
Kensington	80	c	bcc	*	54	42	32	–	–	0·4	At 18h. 65	68	*
Hampstead Observatory	450	o	bc	bc	53	38	30	–	–	0·3	*	77	*

FOREIGN OBSERVATIONS

18h. G.M.T. 30th November

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1015·8	W	3	c/d	50
Brussels	1010·2	W	4	o	48
Berlin	997·5	WSW	5	rr	34
Zürich					
Rome	1011·1	NW	1	b	52

7h. G.M.T. 1st December

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1019·4	WNW	4	bc	41
1011·9	WNW	4	c	41
993·0	W'S	5	c	39
1016·0	WNW	3	c/r	*
1007·5	ENE	3	fg	37

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
52	41	0·2	–
50	30	1	–
45	39	4	1
	39		2
*	*	8	–

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

Max.	Time.	Min.	Time.
0·3	9–12h 30th	<0·3	1–4h 1st

Kew Observatory.

Max.	Time.	Min.	Time.
0·1	11h 30th	<0·1	0–5h 1st

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 —Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 2nd December, 1936.

No. 27404.

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

District	Stations. (For heights see p. 4.)	Baromr. 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)	1018·8	−4	W'N	4	c	47	55	8	5	-	-	9+	9+	1500
	Croydon ...	1019·4	+6	WNW	5	z_o	46	65	6	5	-	-	9+	9+	4000
	S. Farnborough	1018·6	−6	WNW	4	bc	48	55	8	1	-	3	4-6	4-6	2500
	Boscombe Down	1022·0	−2	W'N	4	c	46	65	8	5	-	·	7-8	7-8	4000
	Calshot (Sthmtn.)	1021·6	−4	W	4	c	48	65	7	8	-	1	7-8	7-8	4000
	Lympne ...	1018·6	0	WNW	4	z_o	45	66	6	6	3	-	4-6	4-6	5700
	Manston ...	1017·2	+6	WNW	6	q	46	65	7	5	7	-	7-8	7-8	2500
2	Shoeburyness ...	1017·2	+2	W'N	5	c	46	65	6	-	4	2	0	7-8	-
	Felixstowe ...														
	Gorleston ...	1013·2	+2	WNW	6	bc	45	55	6	1	4	1	1	2-3	2500
	Mildenhall ...	1015·8	−2	W'N	5	z_o	45	75	6	5	3	5	2-3	2-3	2500
	Cranwell ...	1015·4	0	W	4	bc/d	43	75	6	5	3	3	4-6	4-6	4000
3	Birmingham ...	1017·1	−4	WNW	5	bc	45	65	8	8	5	-	4-6	4-6	1500
	Upper Heyford	1019·0	−4	WNW	6	q	46	65	9	5	-	8	7-8	7-8	2500
4	Ross-on-Wye	1020·5	−4	WNW	3	c	47	65	8	8	-	-	9	9	4000
5	Portland Bill ...	1022·4	+2	NW	5	c	50	65	8	4	-	-	7-8	7-8	2500
	Plymouth ...	1025·3	−2	NW'N	3	c	50	65	8	5	-	-	9	9	2500
	The Lizard ...	1026·8	0	WNW	5	c	49	75	8	8	7	-	9	10	2500
	Scilly (St.Mary's)	1023·3	0	NW'W	4	c	50	675	8	5	-	-	9+	9+	2500
	Guernsey ...	1025·0	−2	NW'N	5	c	49	65	7	8	-	-	7-8	7-8	2500
6	Pembroke ...	1022·9	−4	NW	6	q	49	65	7	5	1	1	4-6	4-6	4000
7	Holyhead ...	1020·0	−4	NW	6	c	47	75	8	8	-	-	9+	9+	1500
	Chester(Sealand)	1018·0	−2	W'N	5	pr_o	45	85	6	9	3	-	9	9	1500
8	Manchester ...	1016·5	−6	NW'W	5	z_o	45	75	6	5	5	-	4-6	4-6	1500
10	Spurn Head ...	1011·2	+4	WNW	7	q	45	75	7	-	7	-	0	2-3	-
	Catterick ...	1012·4	−14	WNW	5	bc	46	65	8	8	4	3	2-3	2-3	2500
	Tynemouth ...	1010·5	−10	W	4	bc	44	65	6	2	4	-	2-3	4-6	1500
11	Inchkeith ...	1009·8	−18	SW	5	bc	44	85	8	5	8	-	2-3	4-6	2500
12	Leuchars ...	1009·0	−10	WNW	5	c	43	75	8	5	-	-	7-8	7-8	2500
	Renfrew (Abbots L.)	1012·5	−8	W'N	4	c/pr	43	85	8	8	3	1	7-8	9	1500
	Eskdalemuir ...	1012·0	0	WNW	6	bc/pr	42	75	8	8	5	-	2-3	4-6	2500
	Point of Ayre...	1015·8	−8	NW	7	bc	48	95	8	3	-	-	4-6	4-6	1600
13A	Tiree	1014·3	−6	NWW	6	c/pr	46	85	7	9	-	-	9+	9+	1600
13B	Stornoway ...	1008·6	−4	WNW	7	c/pr	42	75	7	3	7	-	4-6	7-8	1500
15	Dalwhinnie ...	1010·7	−16	W	5	ir	37	75	7	6	-	-	10	10	2500
	Aberdeen ...	1006·1	−8	WNW	4	pr_o	40	85	7	3	3	-	4-6	4-6	1500
	Wick ...	1003·2	−8	NW	6	ir	39	85	8	9	2	-	7-8	9	800
16	Lerwick ...	997·5	−4	NW	5	bc/phr	35	85	7	8	8	-	4-6	4-6	1500
17	Blacknod Point	1023·6	−14	W'N	6	c	48	85	8	9	-	-	7-8	7-8	1500
18	Malin Head ...	1017·6	−8	W'N	5	jp	48	95	7	8	-	1	7-8	7-8	2500
	Aldergrove ...	1018·6	−10	W	5	bc	46	75	8	5	4	-	4-6	4-6	1500
19	Birr Castle ...	1023·9	−10	W'N	3	c	48	75	8	8	7	-	4-6	9+	2500
20	Valentia Obsy. †	1028·5	−12	WNW	5	c	50	65	8	5		-	10	10	1500
	Roches Point	1027·5	−4	NW	3	c	49	85	8	3	-	-	7-8	7-8	1500

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

District	Stations.	Baromr. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1018·1	−4	W'S	4	b	45	75	8	-	-	-	0	0	-	12	*
	Croydon ...	1018·2	+2	W'N	5	z_o	45	75	6	5	6	-	2-3	4-6	4000	1	*
	S. Farnborough	1019·1	0	W'N	3	b	44	75	8	5	-	-	1	1	4000	1	*
	Boscombe Down	1020·9	−2	WNW	4	c	44	75	7	5	1	-	7-8	9	4000	1	*
	Calshot (Sthmtn.)	1020·4	−6	W	4	bc	46	75	8	5	3	-	2-3	4-6	4000	1	3
	Lympne ...	1018·0	−2	W	4	bc	43	75	8	5	-	-	2-3	2-3	4000	1	3
	Manston ...	1016·6	−6	W'S	3	c	45	65	6	6	-	-	10	10	4000	0	*
2	Shoeburyness ...	1016·6	−4	W	4	c	45	75	6	5	-	-	9+	9+	4000	1	*
	Felixstowe ...																
	Gorleston ...	1012·1	−4	W'S	5	c	44	75	6	-	2	-	0	9	-	1	4
	Mildenhall ...	1015·0	0	W'N	5	ir_o	44	75	7	5	-	-	10	10	2500	1	*
	Cranwell ...	1014·5	−2	W	4	c	43	85	7	5	-	-	10	10	2500	1	*
3	Birmingham ...	1017·6	+6	W	3	bc	43	75	8	5	-	-	2-3	2-3	2500	1	*
	Upper Heyford	1018·7	+4	W	4	bc	41	85	8	5	-	-	2-3	2-3	2500	1	*
4	Ross-on-Wye	1018·5	−10	W'N	4	q	46	65	8	5	-	-	4-6	4-6	2500	1	*
5	Portland Bill ...	1021·8	−8	NW	5	bc	49	75	8	4	-	-	4-6	4-6	2500	1	4
	Plymouth ...	1024·0	−6	NW'W	3	c	49	65	7	5	-	-	9+	9+	2500	1	1
	The Lizard ...	1025·5	−4	W	5	c	49	75	8	8	6	-	7-8	9	2600	1	2
	Scilly (St.Mary's)	1026·6	−8	WNW	5	c	50	75	8	5	-	-	10	10	1600	1	3
	Guernsey ...	1024·3	−4	NW'N	5	c	49	65	8	8	-	-	7-8	7-8	2500	0	4
6	Pembroke ...	1022·2	0	NW	6	c/pr	48	85	7	8	-	-	9+	9+	2500	1	3
7	Holyhead ...	1018·0	−10	WNW	7	bc	48	75	7	5	-	-	4-6	4-6	1500	0	4
	Chester(Sealand)	1016·9	−6	W'S	5	bc/pr	47	75	7	9	-	-	4-6	4-6	1500	1	*
8	Manchester ...	1015·0	−8	NW'W	6	z_o	46	75	6	5	3	-	2-3	9	1500	1	*
10	Spurn Head ...	1010·5	−4	WNW	7	q	45	85	7	5	2	-	4-6	7-8	2500	0	6
	Catterick ...	1011·8	+8	WNW	5	bc	44	75	8	4	-	-	2-3	2-3	2500	1	*
	Tynemouth ...	1009·6	−4	W	2	o	43	75	6	5	-	-	10	10	1500	1	2
11	Inchkeith ...	1009·3	0	SW	5	c	43	95	8	5	2	-	4-6	10	4000	0	4
12	Leuchars ...	1007·9	−6	WNW	5	c	42	85	8	5	-	-	9+	9+	2600	1	*
	Renfrew (Abbots L.)	1011·2	−10	WNW	6	bc/pr	41	85	8	8	-	-	4-6	4-6	2600	1	*
	Eskdalemuir ...	1011·3	−4	WNW	6	pr	40	75	8	5	-	-	7-8	7-8	1600	1	*
	Point of Ayre...	1015·1	−2	NW	7	bc	47	95	7	9	-	-	4-6	4-6	800	1	4
13A	Tiree	1012·8	−12	NWW	5	c	47	85	7	8	7	-	4-6	7-8	1500	0	5
13B	Stornoway ...	1007·6	−8	NW	5	c/pr	42	85	7	8	7	-	7-8	9	1500	1	3
15	Dalwhinnie ...	1009·7	−4	WNW	5	s	36	95	6	6	-	-	10	10	2500	6	*
	Aberdeen ...	1006·8	−2	W	8	c/pr	39	75	7	9	3	-	7-8	9	1500	1	2
	Wick ...	1003·5	−4	NW	6	PHR	38	85	8	9	6	-	4-6	7-8	800	1	4
16	Lerwick ...	997·5	0	NW	5	SS	32	95	6	6	-	-	10	10	450	6	*
17	Blacknod Point	1021·6	−4	W	4	c	49	85	7	9	-	-	7-8	7-8	800	1	3
18	Malin Head ...	1015·7	−20	W'N	5	c/pr	47	95	7	8	-	-	7-8	7-8	1600	1	4
	Aldergrove ...	1016·3	−2	W'N	5	b	43	85	8	5	3	-	1	1	1500	1	*
19	Birr Castle ...	1022·1	−8	W'N	2	bc	45	95	8	5	4	-	2-3	2-3	2500	1	*
20	Valentia Obsy. †	1026·3	−10	W'N	4	c	50	75	8	5	-	-	9	9	1500	1	3
	Roches Point	1025·3	−10	NW	3	c	47	85	8	8	-	-	7-8	7-8	1500	1	3

PAST 24 HOURS.

Weather. 7h.—13h. 1st. (37)	13h.—18h. 1st. (38)	18h. 1st ... to 1h. 2nd. (39)	1h.—7h. 2nd. (40)
$cz_o c$	$cz_o b$	bbcb	b,er·r
cbcbcz	cz_o	bcz·cb	cpr·r·r·
bbcy	bcycccb	b	b,cr·r·c
bqbc	bcc	cbcc	cr·r·
bbc	bc	bcb	b,cr·r·
b,cz_o	bccz$_o$	bcmobc	bcmobc
bccq	cqcz$_o$	cz_o bc	cbccr·
bcq	$z_o c$	cr bc	irmoc
bcqq	bccq	cq	cq
bbc	bccr$_o$	or_obc	bccr·r·
bccd$_o$	pr_oid$_o$	c	cr·rrm
bcpr$_o$q	bc	bcc	cr·r·
bcqp$_o$c	cqbc	bbc	bcrc
cbcc	ccbc	bccqp	cpcq
c	cbc	c	cprc
bbcc	cpr$_o$c	cir·bcc	c
bcc	c	cbccq	cq
bcc	c	cp·qc	coid$_o$c
cbcc	cbcc	bccpr	croid
cbcq	bccq	bccq	cqpr
bcc	c	bcc	rc
bcpr	cprRm$_o$	cprm$_o$	cRRm$_o$
cprqrr	bccbc	cbc	omrdd
bcq	bccq	cq	qco
bbc	bcb	bbcc	cpr·c
bc	bco	obcc	co
bc	bcc	c	c
bcqcq	cbcqc	cqbcb	bbc
bcqpr	cpr_obc	cbcpr	cr·r·
bbcpr	bcpr$_o$	bcpr·bc	bcpr·c
cbc	bccbc	bcc	pr_oid
cqpR	cPR	cbr	
cphrpq	cphr$_o$pq	cpq	cr$_o$c
cis	csrs	*	cir
cprs	cqPR	bccpr	cprs$_o$
cirhq	PHRq	cirsq	cr·r·
cbcphq	cphssm$_o$	cbcphq	cphq
prcq	pr$_o$cq	rr	id
cpr	cpr	crr	cpr
bcpr$_o$	bcb,cb	b,crr	crrir$_o$
cpr$_o$c	cbc	bcc	cir$_o$
c	cpr$_o$c	cpr·c	c
bcc	cpr$_o$c	c	cpr·c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r$_o$, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ⊖ lunar halo. ⸗ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; + has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$th 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), or Nimbo-stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

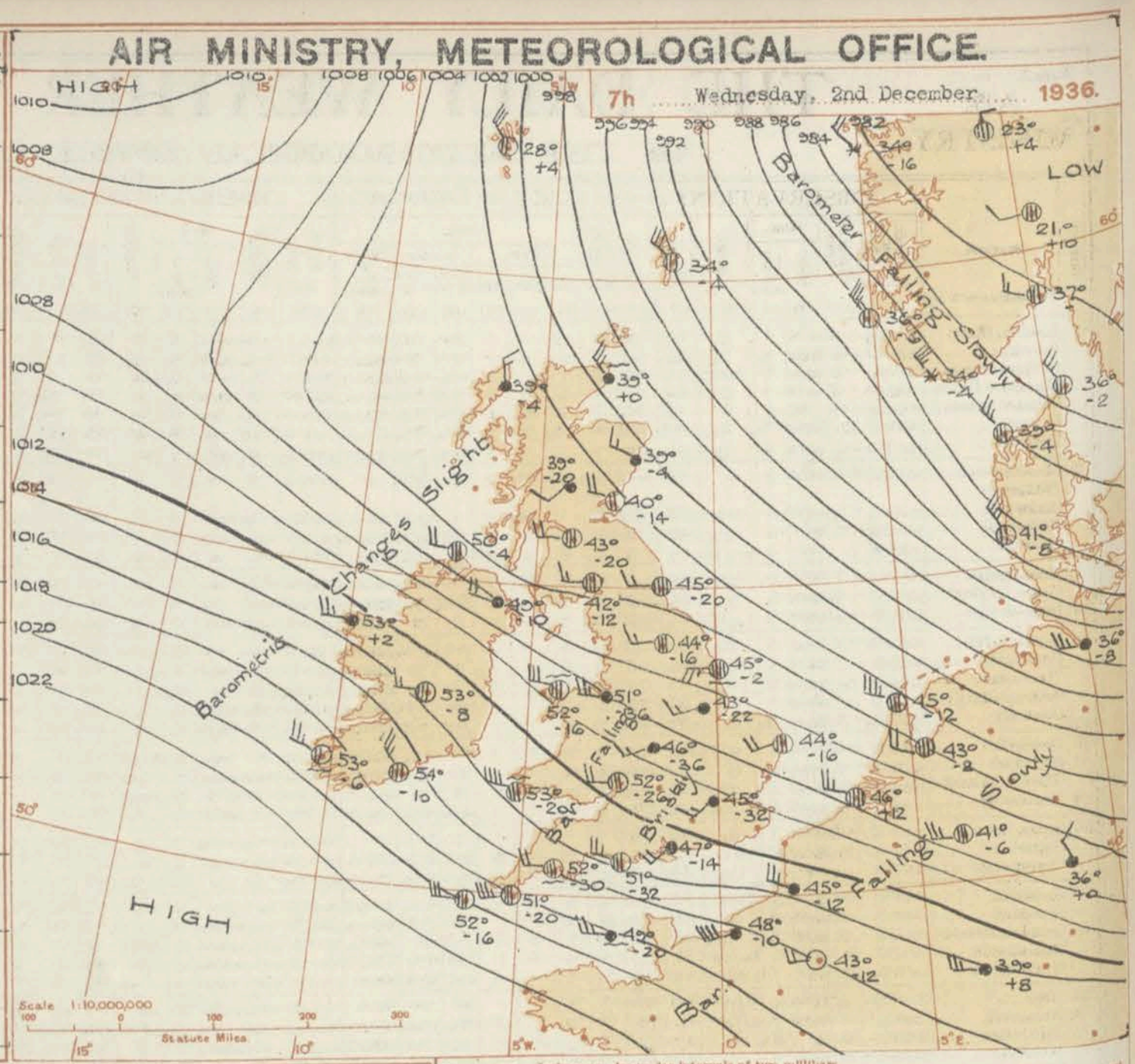
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for ..1st December.. 1936.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F). Min. 9h. 30M. to 9h. 1st	Temperature (°F). Max. 9h.—17h. 1st.	Rainfall (mm). Night. 17h. 30M. to 9h. 1st.	Rainfall (mm). Day. 9h.—17h. 1st.	Sunshine (hrs). Sunrise to Sunset. 1st.
1	Tunbridge W.	bc	bcc	40	46	-	-	3·2
	Bournemouth	oco	c	42	49	-	-	3·8
	Ventnor ...	obz	bbc	42	50	-	-	6·3
	Southsea ...	b	bbc	41	49	Trace	-	5·2
	Bognor Regis	bbc	bcbcb	41	49	-	-	5·1
	Littlehampton	bc	bc	38	50	-	-	5·5
	Worthing ...	b	b	38	47	-	-	5·1
	Brighton ...	b	bc	39	49	-	-	4·1
	Eastbourne†	bbc	bc	41	48	-	-	4·0
	Hastings† ...	bcbbc	cbcbc	39	50	-	-	3·0
	Folkestone ...	bccbcb	bccoc	38	47	-	-	3·6
	Dover... ...	bcc	co	40	48	-	-	1·3
	Deal	cbcb	bbcc	41	52	-	-	4·7
	Ramsgate ...	bbc	bcc	41	47	-	-	4·5
	Margate ...	bc	bcc	42	47	-	-	3·5
2	Southend ...	bcb	bbcc	39	47	-	-	3·8
	Maldon ...	bcb	bco	42	46	-	-	4·5
	Clacton-on-Sea	bbc	bc	40	46	-	-	4·5
	Dovercourt ...	bcv	bccv	40	47	-	-	5·2
	Lowestoft ...	b	bbcbc	38	48	Trace	-	5·5
	Skegness ...	bcqb	bbcq	38	47	-	-	5·4
	Mablethorpe	cbcbbc	bcco	37	46	Trace	-	4·5
	Cleethorpes...	c	bc	39	46	-	-	4·5
3	Leamington S.	c	c	43	48	-	Trace	1·8
4	Cheltenham†	bqbcc	cpc	39	48	-	Trace	3·6
5	Bath	bcb	bcpc	44	49	Trace	Trace	3·9
	Weymouth ...	b	c	43	51	-	-	3·3
	Jersey ...	cbc	bcc	47	51	-	-	3·8
	Torquay ...	bbc	co	45	50	-	-	1·5
	Penzance ...	c	c	48	51	-	-	0·3
	St. Ives ...	c	c	42	53	-	-	0·4
	Bude	cbc	cbc	47	50	Trace	-	1·5
	Ilfracombe ...	cbcco	cbcco	48	51	-	-	1·2
6	Aberystwyth	prc	cpr.	44	49	0·5	0·3	0·6
7	Llandudno ...	c	cpc	46	48	0·1	Trace	0·2
	Colwyn Bay...	c	ccbcc	45	47	0·5	-	0·1
	Rhyl	cbcc	cpr.c	46	48	0·3	0·1	0·1
8	Wallasey ...	bcc	c	42	47	-	-	0·0
	Southport‖ ...	pcbcc	cbcco	40	47	9	0·3	2·2
	Blackpool ...	brcq	c	40	47	5	0·4	1·2
	Morecambe ...	berbk	irhor	41	47	3	4	0·4
9	Ilkley... ...	cbc	pc	38	46	1	0·4	3·1
	Harrogate ...	bc	bbcp.	38	46	0·1	Trace	2·7
10	Berwick-on-T.	bcb	bbcbc	37	45	-	-	4·5
11	Dunbar ...	bc	bc	36	44	-	-	2·6
12	Troon... ...	cchqbccrcc		42	49	7	1	0·1
	Douglas ...	bcq	bcq	42	47	0·5	-	5·4

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



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:— Clear sky. Sky less than ⅛ clouded. Sky ⅛ to ¼ clouded. Sky ⅛ to ⅝ clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
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 December, 1936.
1 S.E. England ♠ 2 E. England ..♠ 3 E. Midlands ... 4 W. Midlands ...	Fresh west wind, veering northwest, strong to gale on coasts, decreasing later; occasional rain; mild becoming colder temporarily.
5 S.W. England ♠ 6 South Wales ...♠	Fresh west wind, strong to gale on coasts, decreasing later; cloudy, occasional rain or drizzle; local coast fog; average temperature.
7 North Wales ..♠ 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Winds west to northwest, strong locally on coasts; occasional rain; sleet or snow on high ground; becoming colder.
13 A. W. Scotld. / B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Freshening north wind, strong locally; occasional sleet or snow showers; cold.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland ♠ 20 S. W. Ireland ♠	Fresh west to northwest winds; occasional rain or drizzle; average temperature. L.D.

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

GENERAL INFEPENCE.

A deepening depression off North Ireland is moving southeast. There will be sleet or snow in Scotland and occasional rain elsewhere.

FURTHER OUTLOOK.

Unsettled.

Times of issue of Gale Warnings.

♠ North cone hoisted at 0800 on 2nd in districts 1, 2, 5, 6, 7 (part of). 19, 20.

Forecasts issued at 1030 G.M.T.

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

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

Morning of

WEDNESDAY,
2nd DECEMBER

1936.

Clarke Projection Scale 1: 4 x 10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = Calm.

TEMPERATURE is given in degrees.

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, 2nd December, 1936.
No. 27404.

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1015·3	-14	WSW	5	c	42	85	8	-	3	-	0	7-8	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1015·5	-10	W'N	3	bc	40	85	6	5	3	-	2-3	4-6	2500
	Manston ...	142	1013·4	-16	W'N	4	c	43	75	7	5	-	-	9	9	4000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixtowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1009·5	-12	W	4	c	42	85	6	5	3	-	4-6	7-8	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1018·6	-16	WNW	4	c	49	75	8	4	-	-	7-8	7-8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1022·9	-10	W'N	5	c	49	75	8	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	163	1023·7	-18	WNW	6	c	49	85	8	2	-	7	4-6	7-8	2500
	Guernsey ...	175	1022·1	-10	NW	4	c	49	85	8	8	-	-	9+	9+	2500
6	Pembroke ...	142	1020·1	-4	WNW	7	cq	50	85	7	8	-	-	7-8	7-8	2500
7	Holyhead ...	26	1014·0	-26	W'N	5	pr°	48	85	8	9	-	-	10	10	1500
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1008·0	-12	WNW	6	cq	44	95	7	5	2	-	4-6	10	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1005·6	-10	W	3	c	46	75	8	4	-	-	7-8	7-8	2500
11	Inchkeith ...	190	1006·7	-16	SW	5	c	44	85	8	5	-	-	7-8	7-8	4000
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1012·1	-18	NNW	6	c	47	95	8	8	6	-	4-6	7-8	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1005·0	-14	NW	4	c/pr	41	85	8	8	7	-	4-6	9+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1001·1	-12	NW	5	p3o	38	85	8	9	2	-	7-8	9+	800
16	Lerwick ...	156	995·4	- 4	NW	6	bc/phr	31	95	7	8	8	-	4-6	4-6	800
17	Blacksod Point	18	1014·4	-20	W	5	rr	50	95	7	6	-	-	10	10	800
18	Malin Head ...	52	1010·0	-28	W	4	rr	47	95	6	6	1	-	7-8	10	800
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1021·1	-10	WS	5	c	52	95	7	8	-	-	9	9	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

District	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	1010·1	-32	SSW	3	rr	45	95	6	6	2	-	9	10	800	1	*
	1010·1	-32	SW	3	dr°	45	95	8	5	2	-	2-3	10	800	1	*
	1010·3	-30	WSW	3	r°r°	45	95	7	6	-	-	10	10	800	1	*
	1011·6	-36	W	5	r°r°	48	95	6	6	2	-	10	10	450	1	*
	1012·5	-14	SW'W	4	ir°	47	95	7	6	2	-	9+	10	800	1	3
	1012·1	-12	WSW	3	r°r°	41	95	7	6	-	-	10	10	1500	1	§3
	1010·2	-16	W'N	5	ir°	45	75	7	5	-	-	10	10	4000	0	*
	1010·6	-14	W'S	2	ir	44	95	6	6	2	-	9+	10	1500	1	*
	1006·8	-16	WSW	4	c	44	85	7	4	1	-	2-3	10	2500	1	3
	1008·4	-20	W	3	r°r°	43	95	7	5	2	-	4-6	10	2500	1	*
	1007·7	-22	WSW	3	rr	43	95	4	6	-	-	10	10	1500	1	*
3	1007·7	-36	WSW	3	r°r°	46	95	7	6	1	-	9	10	450	1	*
	1008·3	-40	W	4	o/r	45	95	6	5	-	-	10	10	800	1	*
4	1008·6	-26	W	4	cq	52	75	8	6	-	-	9+	9+	2500	1	*
5	1013·5	-32	WNW	5	c	51	95	7	8	-	-	10	10	2500	1	4
	1016·3	-30	W	4	c	52	85	8	5	3	-	4-6	9+	1500	1	3
	1018·7	-20	W'S	7	c	51	95	8	8	5	-	7-8	9	2500	1	3
	1020·5	-16	W	6	c	52	95	7	5	-	-	9+	9+	1500	1	3
	1018·7	-20	W	5	dd	49	95	4	5	-	-	10	10	1500	1	4
	1012·7	-20	W'N	8	cq	53	85	7	5	-	-	9+	9+	2500	1	4
	1007·7	-16	W'N	6	c	52	95	8	6	2	-	4-6	10	1500	1	4
8	1006·6	-36	W	5	rr	51	95	5	6	2	-	7-8	10	1500	1	*
	1006·5	-36	W	1	dd	44	95	4	-	2	-	10	10	800	1	*
10	1004·7	-2	W	5	o	45	95	7	5	-	-	10	10	1500	0	4
	1004·7	-16	W'S	3	c	44	85	7	5	3	-	9	9+	2500	1	*
	1003·1	-20	W	3	o	45	75	7	6	-	-	10	10	800	1	2
11	1001·9	-20	SW	5	c	44	95	8	8	3	-	4-6	9+	4000	0	4
	1001·5	-14	WNW	4	bc	40	85	8	5	4	-	2-3	4-6	2500	1	*
	1003·8	-20	W	4	c/r	43	95	7	5	-	-	9	9	2500	1	*
	1003·7	-12	W	3	c/r	42	85	6	5	2	1	7-8	9+	800	1	*
	1005·6	-22	NW	4	id°	47	95	7	5	-	-	10	10	800	1	3
13A	1005·1	-20	W'N	5	r°r°	48	95	6	6	2	-	7-8	10	1500	1	-
13B	1002·8	-4	NNW	3	r°r°	39	95	7	5	2	-	4-6	10	1500	1	2
15	1002·8	-20	SW	2	rr	39	85	7	8	-	-	10	10	2500	1	*
	1000·5	-4	WNW	3	pr°	39	85	7	9	3	-	7-8	9+	1500	1	2
16	999·5	0	NW	5	r°r°	39	75	8	5	2	-	7-8	10	800	1	4
	999·7	-4	NW	6	c	34	85	7	8	7	-	7-8	9	800	6	*
17	1013·8	+2	W	5	id	53	95	7	6	-	-	10	10	450	1	3
18	1005·3	-4	W'N	4	c/pr	50	95	7	8	-	-	9+	9+	1500	1	3
	1007·2	-10	WNW	4	ir°	49	95	7	5	-	-	9+	9+	800	1	*
19	1013·3	-8	W	3	c/r	53	95	7	6	1	-	7-8	10	1500	1	*
20	1019·6	-6	WNW	5	c	53	85	7	5	-	-	10	10	800	1	4
	1016·8	-10	NW	5	c	54	95	8	8	-	-	7-8	7-8	1500	1	3

PAST 24 HOURS.

District	Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 1st. Hrs. (36)
1	47	42	38	-	1	0·9
	47	41	38	-	0·6	0·8
	48	41	34	-	1	3·9
	47	41	37	-	1	3·3
	48	43	40	-	0·4	4·8
	46	38	34	-	0·3	4·7
	47	42	39	-	Tr	4·7
	47	41	38	-	0·5	4·0
	46	42	39	-	-	5·3
	45	42	40	Tr	1	3·7
	44	42	39	Tr	3	1·9
	46	41	38	Tr	2	2·8
	47	41	36	Tr	1	*
	47	45	40	-	0·4	1·4
	51	47	*	-	Tr	*
	54	48	45	Tr	Tr	0·5
	50	47	*	-	-	*
	50	47	*	-	0·1	2·3
	51	46	43	-	1	3·4
	52	46	*	0·2	0·1	4·1
	49	47	46	-	4	1·2
	47	46	42	2	6	1·7
	47	44	40	1	4	2·4
	46	43	*	-	-	3·8
	46	42	38	-	0·1	5·0
	46	41	38	-	-	4·5
	45	41	38	-	-	3·4
	44	37	33	-	-	4·1
	44	40	37	2	1	0·7
	43	39	37	0·2	0·2	4·2
	48	46	*	-	1	3·9
	47	44	43	1	2·0	0·4
	44	38	*	4	5	1·0
	38	35	32	5	6	0·0
	41	37	34	2	1	2·8
	42	35	*	2	4	*
	39	30	*	1	Tr	0·8
	52	45	*	0·3	6	*
	51	44	*	1	4	0·5
	47	42	39	Tr	6	3·4
	48	44	41	Tr	0·3	1·7
	50	50	46	Tr	Tr	0·0
	50	47	*	0·1	0·1	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day mm.	Rainfall. Night mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity. 15h. G.M.T % (Yesterday.)	Humidity. 9h. G.M.T % (To-day.)	Visibility 9h. (To-day.)
Kew	18	cz.c	cz.b	bcbcr	47	42	38	-	1	0·9	•	•	6
Croydon	217	cbcbcz	cz.	bc,pr,r	47	41	38	-	0·6	0·8	•	•	6
Greenwich (Royal Observatory) ..	149	cbc	c	cbcdr.m	47	41	35	-	4	0·4	60	94	5
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	0·2	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	47	43	36	3		0·9	61	95	•
Regents Pk. (Botanic Gardens)‡...	168	•	•	•	47	41	39	-	3	0·8	69	97	•
Camden Square	110	bc	c	•	47	42	37	-	3	•	•	95	•
Kensington	80	c	corco	•	47	42	34	-	3	0·9	At 18h. 66	95	•
Hampstead Observatory	450	bc	bc	or	45	38	31	-	3	1·4	•	99	•

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 1st December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 2nd December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1020·7	WNW	3	bc	45	1015·9	W	4	c/r	43
Brussels						1009·4	W	4	o	43
Berlin	994·5	W	6	rr	37	995·8	W	4	c	36
Zürich	1019·0	W	5	rm	34	1015·5	WSW	6	r°r°	36
Rome	1003·1	ENE	1	m	48	1009·7	N	4	b	41

Past 24 Hours.	Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris	50	41	-	Tr
Brussels	*	*	*	*
Berlin	41	36	2	3
Zürich	43	34	0·5	2
Rome	*	*	-	-

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

South Kensington.

Max.	Time.	Min.	Time.
0·6	16-20h	Defective	

Kew Observatory.

Max.	Time.	Min.	Time.
0·2	11h 1st.	<0·1	0-7h 2nd

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 3rd December, 1936.
No. 27405

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 2nd December: 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)	1007·0	- 6	WNW	5	z_o	55	75	6	6	-	-	10	10	1500
	Croydon ...	1006·5	-12	W	5	c/r	54	85	6	5	-	-	9+	9+	2500
	S. Farnborough	1007·6	-10	W'N	5	c/r	55	75	8	5	7	-	7-8	9+	1500
	Boscombe Down	1010·2	- 2	W'N	4	c	52	85	7	5	2	-	7-8	9+	800
	Calshot (Sthmtn.)	1010·0	- 8	W	5	c	55	85	8	5	7	-	9	10	1500
	Lympne ...	1006·4	-18	WNW	4	id_o	51	85	7	5	-	-	10	10	2500
	Manston ...	1004·9	-18	WN	4	z_o	51	85	6	5	2	-	9	10	1500
2	Shoeburyness ...	1005·3	-14	WNW	4	c/r	53	85	6	8	-	-	9+	9+	1500
	Felixstowe ...														
	Gorleston ...	1003·4	-12	SW	2	$r_o r_o$	45	95	4	6	-	-	10	10	1500
	Mildenhall ...	1004·4	-14	W'N	4	z_o	50	95	6	5	3	-	4-6	9+	2500
	Cranwell ...	1004·2	-16	W	4	z_o	50	85	6	5	3	-	7-8	9	2500
3	Birmingham ...	1007·3	+ 2	WNW	5	jp	52	75	6	6	-	-	7-8	7-8	1500
	Upper Heyford	1007·5	- 2	WNW	5	c/pr	53	85	9	5	3	1	9	9+	1500
4	Ross-on-Wye	1009·6	0	W	4	c	54	75	8	8	-	-	9+	9+	2500
5	Portland Bill ...	1011·6	-12	WNW	6	c	53	95	7	4	-	-	9	9	2500
	Plymouth ...	1015·1	-10	WNW	5	c	55	85	7	5	-	-	9+	9+	1500
	The Lizard ...	1017·2	-16	W'N	6	c	52	95	6	8	2	-	9	9+	1500
	Scilly (St. Mary's)	1018·6	- 8	WNW	6	c	53	95	7	5	7	-	4-6	7-8	1500
	Guernsey ...	1016·2	-10	WNW	6	q	54	95	6	5	-	-	10	10	1500
6	Pembroke ...	1012·2	- 2	NW	6	q	53	95	6	5	6	-	4-6	9+	4000
7	Holyhead ...	1009·5	+10	WNW	4	c/d	52	85	8	6	7	-	9	10	1500
	Chester (Sealand)	1007·4	+ 8	W	6	c	52	85	7	8	7	-	4-6	7-8	1500
8	Manchester ...	1005·8	+ 2	WNW	6	c/r	51	85	7	8	3	-	7-8	9	800
10	Spurn Head ...	1001·4	-20	WNW	4	c	47	95	7	5	7	-	4-6	7-8	2500
	Catterick ...	1001·3	-22	WNW	3	c	50	75	8	8	3	-	4-6	9	2500
	Tynemouth ...	1000·9	- 8	W	3	c	48	85	6	8	-	-	7-8	7-8	1500
11	Inchkeith ...	1003·1	+16	NNE	2	c	40	95	8	8	-	-	9+	9+	2500
	Leuchars ...	1002·4	+12	NNW	2	c	41	75	8	5	2	-	7-8	7-8	2500
12	Renfrew (Abbotsl.)	1002·8	+ 6	NW	5	c	49	75	9	5	-	-	9+	9+	4000
	Eskdalemuir ...	1000·8	-18	NNW	7	c	48	75	8	7	3	3	2-3	7-8	1500
	Point of Ayre ...	1005·3	- 2	NNW	7	pr_o	50	95	7	9	8	-	7-8	9	800
13A	Tiree	1006·7	+26	N'W	4	c	44	85	9	5	7	7	4-6	10	1500
13B	Stornoway ...	1005·4	+ 8	NNW	4	c	39	75	9	5	7	5	4-6	9	2500
15	Dalwhinnie ...		+12	NW	2	c	36	85	8	4	2	-	7-8	10	2500
	Aberdeen ...	1001·9	+ 4	NNW	3	c/r	38	85	7	5	-	-	9+	9+	1500
	Wick ...	1001·4	+ 8	NW	5	c/ps	35	75	8	9	2	-	7-8	10	800
16	Lerwick ...	999·6	+18	NW	6	c/ps	34	85	7	9	8	-	7-8	9	800
17	Blacksod Point	1013·6	0	W	5	c	53	95	6	5	-	-	10	10	450
18	Malin Head ...	1007·8	+ 4	W'N	4	c	50	85	7	9	1	-	7-8	9	1500
	Aldergrove ...	1007·8	- 6	WNW	4	ir_o	49	95	8	5	-	-	9+	9+	800
19	Birr Castle ...	1013·8	- 2	W	3	c	54	85	7	6	2	-	7-8	10	1500
20	Valentia Obsy. †	1019·7	- 6	WNW	5	c	53	85	7	5	-	-	10	10	800
	Roches Point	1017·2	- 6	NW	4	c	54	95	8	8	4	-	7-8	9	1500

District	Stations.	OBSERVATIONS at 18h. G.M.T. 2nd December: 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)	1008·7	+14	WNW	3	c	53	75	7	5	-	-	7-8	7-8	2500	1	*
	Croydon ...	1008·6	+12	WNW	4	z_o	53	85	6	5	-	-	4-6	4-6	2500	1	*
	S. Farnborough	1009·5	+10	W'N	4	bc	53	75	8	5	-	-	2-3	2-3	2500	1	*
	Boscombe Down	1011·0	+ 6	WNW	4	bc	52	85	7	5	-	-	4-6	4-6	800	1	*
	Calshot (Sthmtn.)	1010·7	+ 6	W'N	6	c	54	85	8	5	7	-	4-6	9+	1500	1	3
	Lympne ...	1007·9	+12	W'N	4	c	51	75	6	6	7	-	4-6	7-8	1500	1	3
	Manston ...	1006·5	+14	NNW	5	c	50	75	7	5	-	-	9+	9+	4000	1	*
2	Shoeburyness ...	1006·8	+14	WNW	4	c	53	75	7	8	-	-	9+	9+	2500	1	*
	Felixstowe ...																
	Gorleston ...	1002·9	+ 2	NNW	5	ir_o	50	75	6	6	-	-	10	10	2500	1	4
	Mildenhall ...	1005·7	+12	WNW	4	c	53	75	7	5	-	-	9+	9+	2500	1	*
	Cranwell ...	1006·4	+20	W'N	4	z_o	50	75	6	5	-	-	10	10	1500	1	*
3	Birmingham ...	1008·7	+ 6	WNW	3	c	52	85	7	5	-	-	10	10	1500	1	*
	Upper Heyford	1009·3	+10	WNW	6	ir_o	51	95	8	5	-	-	9+	9+	1500	1	*
4	Ross-on-Wye	1010·3	+ 4	W	4	c	54	75	8	5	-	-	10	10	2500	1	*
5	Portland Bill ...	1012·5	+ 8	NW	5	bc	54	85	7	4	-	-	4-6	4-6	2500	1	4
	Plymouth ...	1016·2	+ 6	NNW	5	c	54	85	7	5	3	-	4-6	7-8	1500	1	1
	The Lizard ...	1018·1	+ 6	W'N	5	c	52	95	7	8	2	-	9+	10	2500	1	3
	Scilly (St. Mary's)	1019·3	+ 8	WNW	6	c	52	95	7	5	-	-	9+	9+	1500	1	3
	Guernsey ...	1016·3	+ 6	WNW	5	c	53	95	6	8	-	-	7-8	7-8	2500	1	4
6	Pembroke ...	1012·8	+ 4	WNW	7	q	53	95	7	5	6	-	2-3	4-6	4000	1	4
7	Holyhead ...	1009·7	+ 6	W'N	6	c/d	53	95	7	5	2	-	7-8	10	800	1	3
	Chester (Sealand)	1007·5	+ 2	NW'N	6	ir_o	51	85	7	9	-	-	10	10	2500	1	*
8	Manchester ...	1007·5	+ 8	NNW	4	$d_o d_o$	49	95	6	5	-	-	10	10	450	2	*
10	Spurn Head ...	1005·1	+30	NNW	4	c	43	95	7	5	2	-	4-6	10	2500	0	3
	Catterick ...	1006·7	+24	-	0	c	41	85	7	5	7	-	9+	10	2500	1	*
	Tynemouth ...	1006·4	+24	NW	3	c	41	75	7	6	-	-	7-8	7-8	800	1	2
11	Inchkeith ...	1007·4	+18	N	3	bc	39	85	8	5	-	-	4-6	4-6	4000	0	2
	Leuchars ...	1005·8	+12	NW	2	bc	39	65	8	5	-	-	4-6	4-6	2500	1	*
12	Renfrew (Abbotsl.)	1006·8	+18	W'N	2	c	42	75	9	5	7	-	Tr	9+	4000	1	*
	Eskdalemuir ...	1007·8	+12	N'W	4	c	39	85	8	5	-	-	9+	9+	1500	1	*
	Point of Ayre ...	1007·9	+12	N'W	4	c	48	95	8	5	-	-	7-8	7-8	1500	1	3
13A	Tiree	1007·9	+ 6	N'E	3	ir_o	42	85	8	5	7	8	7-8	9+	1500	1	3
13B	Stornoway ...	1007·7	+12	NNW	2	c	36	85	8	5	7	-	7-8	9	2500	1	1
15	Dalwhinnie ...		+16	N	2	c	33	85	7	4	6	-	7-8	10	2500	1	*
	Aberdeen ...	1004·7	+16	NW'W	3	c/ps	36	75	8	8	-	-	9+	9+	1500	1	1
	Wick ...	1003·8	+12	NW	5	c/ps	35	75	8	9	2	-	7-8	10	800	6	4
16	Lerwick ...	998·2	+12	NW	6	c/ps	34	75	7	9	8	-	4-6	7-8	800	8	*
17	Blacksod Point	1013·4	0	W	5	c	52	85	7	5	-	-	10	10	800	1	3
18	Malin Head ...	1007·8	+6	N'E	1	o	45	95	5	6	-	-	10	10	800	1	3
	Aldergrove ...	1008·4	+2	WNW	1	$r_o r_o$	47	95	7	5	-	-	10	10	450	1	*
19	Birr Castle ...	1013·5	+4	W	2	c	52	95	8	5	3	-	4-6	7-8	2500	1	*
20	Valentia Obsy. †	1019·7	+4	W	3	bc	51	95	7	2	-	-	2-3	2-3	1500	1	4
	Roches Point	1017·5	+4	NW	4	c	52	95	8	5	-	-	7-8	7-8	1500	1	3

District	Stations.	PAST 24 HOURS. Weather. 7h.—13h. 2nd. (37)	13h.—18h. 2nd. (38)	18h. 2nd to 1h. 3rd. (39)	1h.—7h. 3rd. (40)
1	London (Kew)	c r c	$c z_o$ bc	bcc	cm_o
	Croydon ...	$cr_o r_o$ qir	$cm_o c z_o$	$bc z cm_o$	cr_o cbc
	S. Farnborough	or_o c	cbcc	bcc	cbcc
	Boscombe Down	$cr_o r_o$ cv	cvc pr_o bc	bc	bccbc
	Calshot (Sthmtn.)	cir c	c	cbcc	cir c
	Lympne ...	ff rc mjd	$cd_o cm_o$	$bcm_o cr_o$	$r_o r_o m_o c$
	Manston ...	$orr_o r_o m_o$	cm_o	$co_o r_o m_o$	$orr_o r_o c$
2	Shoeburyness ...	DDir c	$m_o ir_o c$	crr	rrc.
	Felixstowe ...				
	Gorleston ...	$or r_o$	$oir_o q$	$oir_o r_o r_o$	$od_o d_o$
	Mildenhall ...	$odm fm_o cz_o c$	$cd_o r_o r_o$	$cr_o r_o c$	
	Cranwell ...	$cmrrr_o d_o d_o$	$cm_o c$	$r_o r_o r_o r_o$	$rr r_o r_o$
3	Birmingham ...	cdpr	c pr_o	c	c
	Upper Heyford	cr_o	$cr_o wq$	cqr	cq
4	Ross-on-Wye	cqc	c	ccq	c
5	Portland Bill ...	proc	cbc	c	c
	Plymouth ...	$cr_o m_o c$	cbcc	c	cbc
	The Lizard ...	cq	c	c	cprc
	Scilly (St. Mary's)	c	c	cbccp	$cid_o c$
	Guernsey ...	oddcq	oqid	c	c
6	Pembroke ...	cqpr	cbcq	cbcq	cq
7	Holyhead ...	$id_o c$	drir	c	c
	Chester (Sealand)	crrr	bcrir	crr	cpr
8	Manchester ...	oddfdr	prddcd	$d_o d d r$	$d_o d_o r_o$
10	Spurn Head ...	opr c	c	cpr o	prrprr
	Catterick ...	cv	cvc $m_o c$	$ccm_o d_o$	$cm_o d_o d_o$
	Tynemouth ...	oc	cpqc	co	$oir_o m$
11	Inchkeith ...	cir	cbc	bcc	$cir_o z_o$
	Leuchars ...	$cr_o m ir$	cjpc	ccm_o	cr_o
12	Renfrew (Abbotsl.)	$cir_o c$	c	cid_o	
	Eskdalemuir ...	$cir_o bc$	bcc	$cr_o cm_o$	crddm
	Point of Ayre ...	idpr	oc	codd	opgc
13A	Tiree	$ir_o c$	cir_o		
13B	Stornoway ...	$cr_o r_o$	c	cbcc	$rr r_o r_o c$
15	Dalwhinnie ...	rrc	$ir_o c$	*	cis
	Aberdeen ...	or_o	$pr_o ps_o$	$ps_o bc$	$b ccz_o$
	Wick ...	cr_o	cpsqc	cpsqc	c
16	Lerwick ...	cpshq	cpshpsq	cpsh	cpsh2bc
17	Blacksod Point	id	id	$pr_o cq$	$pr_o cq$
18	Malin Head ...	cpr	odr	cdrdrid	adr
	Aldergrove ...	$cir_o c$	$cr_o cd_o r_o$	$cr_o r_o c$	$cir_o id_o$
19	Birr Castle ...	$cir_o c$	c	cpre	coid
20	Valentia Obsy. †	$cid_o c$	cbc	bccpgid	cid_o
	Roches Point	$cpr_o c$	$cpr_o c$	c	c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s_o, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s_o/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽, lunar halo. ⸗ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; + has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo-stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

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

† Sea disturbance reported from Dungeness.

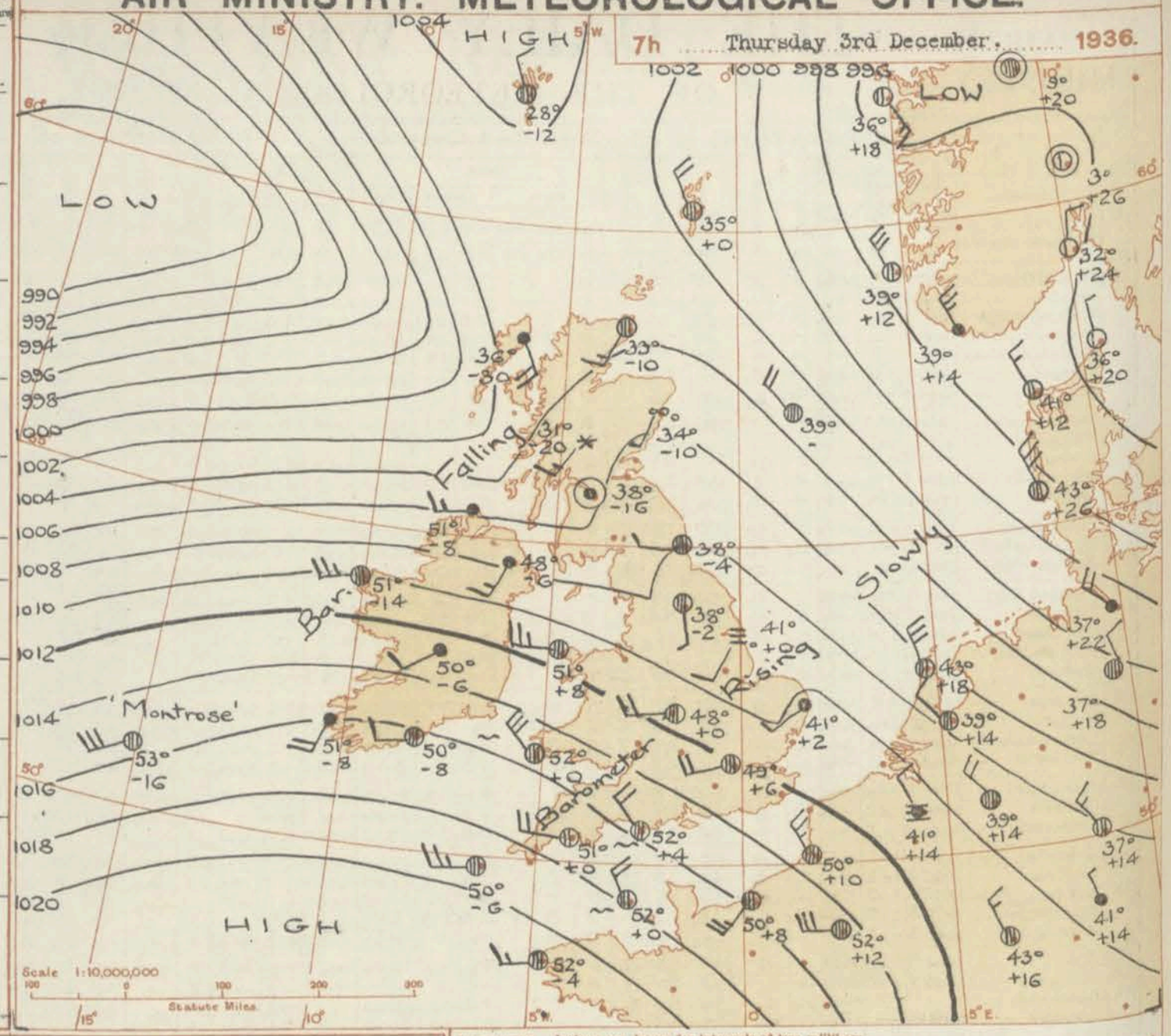
REPORTS from HEALTH RESORTS for.... 2nd December 1936.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F) Min. 9h. 1st to 9h. 2nd	Temperature (F) Max. 9h.—17h. 2nd.	Rainfall (mm) Night. 17h. 1st to 9h. 2nd	Rainfall (mm) Day. 9h.—17h. 2nd.	Sunshine (hrs) Sunrise to Sunset. 2nd.
1	Tunbridge W.	o	o	40	54	3	-	0·0
	Bournemouth	do	co	44	55	0·5	0·3	0·0
	Ventnor ...	rodo	ocw	44	54	1	Trace	0·0
	Southsea ...	od.oc	bc	43	55	1	-	0·0
	Bognor Regis	c	cbcc	42	55	3	-	0·1
	Littlehampton	oc	c	38	55	2	-	0·0
	Worthing ...	o	c	39	55	1	-	0·0
	Brighton ...	c	c	41	55	1	-	0·0
	Eastbourne†	oco	oc	43	56	3	-	0·3
	Hastings† ...	oc	oco	40	55	3	-	0·2
	Folkestone ...	ormc	cor.o	40	54	3	0·2	0·0
	Dover	cid.o	o	41	55	2	-	0·0
	Deal	oc(r)	co(r)	42	53	2	1	0·3
	Ramsgate ...	rc	cbcc	43	53	2	1	0·8
	Margate ...	cd	cd	43	51	2	0·2	0·2
2	Southend ...	omdc	c	41	53	3	0·3	0·3
	Maldon ...	roc	c	42	53	2	0·3	0·4
	Clacton-on-Sea	ordmc	cbcc	40	52	0·4	5	0·5
	Dovercourt ...	roc	bcpbc	42	52	1	Trace.	0·9
	Lowestoft ...	coir	cir	40	50	Trace	0·2	0·0
	Skegness ...	orc	cbcq	41	51	1	-	0·9
	Mablethorpe	mod.c	cbccop	41	50	0·5	0·5	0·6
	Cleethorpes ...	or	bcor	40	51	0·3	0·3	0·5
3	Leamington S.	odoc	cod	42	54	2	0·1	0·0
4	Cheltenham†	coc	cop.o	43	55	1	Trace	0·0
5	Bath	cbc	cp.	45	55	1	Trace	0·5
	Weymouth ...	c	c	45	55	0·5	-	0·0
	Jersey ...	rcdc	dc	46	54	1	Trace	0·0
	Torquay ...	oq	cq	46	57	0·2	-	0·4
	Penzance ...	qc	qbcc	48	55	Trace	-	1·0
	St. Ives ...	o	o	47	53	-	-	0·0
	Bude	c	c	46	55	-	-	0·2
	Ilfracombe ...	pco	cbcco	48	54	0·2	-	0·0
6	Aberystwyth	cpr	cpr	46	52	5	3	0·0
7	Llandudno ...	coid.	od.r.	46	52	7	1	0·0
	Colwyn Bay ...	cpo	popod	46	52	9	1	0·0
	Rhyl	cidc	cpr	45	52	8	1	0·0
8	Wallasey ...	Ro	oir	44	51	20	3	0·0
	Southport‖ ...	orod	odod	45	50	9	1	0·0
	Blackpool ...	or	co	44	50	4	1	0·1
	Morecambe ...	midmc	bbcdc	42	50	9	0·5	0·1
9	Ilkley	oc	cpc	40	50	0·2	0·4	0·1
	Harrogate ...	cbc	bcc	39	50	-	-	1·0
10	Berwick-on-T.	bcor	c	39	47	-	2	0·5
11	Dunbar ..	bc	bcr.	32	45	-	3	0·2
12	Troon... ...	cbcc	coc.	43	49	2	-	0·3
	Douglas ...	cqcbc	om.ir	42	52	4	0·5	1·0

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

AIR MINISTRY. METEOROLOGICAL OFFICE.

7h ..... Thursday 3rd December, ... 1936.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 3rd December, 1936.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Freshening southwest winds veering west to northwest later, strong on coasts, perhaps gale locally; mainly fair at first, rain later; mild becoming colder later.
5 S.W. England ▼ 6 South Wales ... ▼	Freshening southwest wind, veering west to northwest, strong to gale on coasts; cloudy; rain later; mild becoming colder later.
7 North Wales ... ▼ 8 N.W. England ▼ 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland ▼	Freshening southwest wind, veering west to northwest, strong to gale on coasts; rain at times; bright intervals and local wintry showers later; mild, becoming colder.
12 S.W. Scotland & Isle of Man. ▼ 13 A. W. Scotld. / B.N.W. Scotland. ▼ 14 Mid Scotland 15 N. E. Scotland ▼ 16 Orkney and Shetland ▼▲	Freshening southwest winds becoming northwest, gale on coasts; rain at first; showers of rain, hail or snow later; mild, becoming cold.
17 N. W. Ireland ▼ 18 N. E. Ireland ▼ 19 S. E. Ireland ▼ 20 S. W. Ireland ▼	Freshening southwest winds, veering west to northwest, becoming strong to gale on coasts; occasional rain at first, bright intervals and showers of rain or hail later; mild becoming colder.

L.D.

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

BAROMETER. Isobars are drawn for intervals of two millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS:— Clear sky. Sky less than ⅛ clouded. Sky ⅛ to ⅜ clouded. Sky ⅜ to ⅝ clouded. Sky ⅝ to ⅞ clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

SEA DISTURBANCE. Rough. High.

BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFEPENCE.

A deepening depression about 500 miles west-northwest of Scotland is moving east. Weather will be mainly fair in the South at first but rain is expected later. In the North there will be rain at first followed later by wintry showers.

FURTHER OUTLOOK.

Bright intervals and showers; snow locally in the North.

Time of issue of Gale Warnings.

▲ North Cone hoisted at 0815 on 3rd in district 16(Shetland).

▼ South Cone hoisted at 0815 on 3rd in 5(part of), 6, 7, 8, 11, 12, 13, 15, 16(Orkney) 17, 18, 19 and 20.

Forecasts issued at 1015 G.M.T.

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

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

Morning of

THURSDAY.
3RD DECEMBER.

1936.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = Calm.

TEMPERATURE is given in degrees

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 3rd December, 1936.
No. 27405

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1010·3	+6	W	3	ir$_c$	53	85	8	5	-	-	10	10	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1008·8	+2	W'N	4	c	51	85	7	5	-	-	10	10	2500
	Manston ...	142	1008·5	+3	NW	3	rr	44	95	6	6	2	-	3	10	800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1009·0	+12	WNW	2	r$_c$r$_c$	48	85	6	6	-	-	10	10	1500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1014·7	+4	WNW	4	c	52	85	7	4	-	-	7·8	7·8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1015·8	0	W	5	c	51	95	8	6	-	-	9	9	2500
	Scilly (St. Mary's)	163	1013·6	-2	W'N	6	c/pr	50	95	8	5	-	-	7·8	7·8	1500
	Guernsey ...	175	1017·2	0	NW'N	5	z$_o$	53	85	6	3	-	-	3+	9+	2500
6	Pembroke ...	142	1014·2	0	WNW	6	q	51	65	7	5	-	-	4·6	4·6	4000
7	Holyhead ...	26	1010·7	-2	W'N	6	c	52	85	8	6	2	-	4·6	10	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1008·7	+14	WNW	4	r$_c$r$_c$	41	95	6	5	-	-	10	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1008·0	+4	W	2	0	35	85	7	6	-	-	10	10	800
11	Inchkeith ...	190	1006·3	+4	NW	2	c	35	85	8	5	3	-	4·6	7·8	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1007·6	-4	S'E	1	d$_o$d$_o$	43	95	7	5	-	-	10	10	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1007·1	-6	NNW	1	c$_c$	34	75	9	5	7	-	4·6	7·8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1005·3	0	NW	3	c	35	95	8	3	2	-	7·8	10	1500
16	Lerwick ...	156	1000·1	+8	NW	5	c/ps	34	85	8	3	8	-	4·6	7·8	800
17	Blacksod Point	18	1012·6	-2	W	5	c	50	95	8	3	-	-	7·8	7·8	800
18	Malin Head ...	52	1006·7	0	W	4	id	51	95	6	3	-	-	10	10	800
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1017·7	-6	WSW	5	dd	50	95	6	6	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 * (30)
1012·3	+4	WSW	3	c$_s$	50	85	6	5	-	-	9+	9+	1500	1	*
1012·2	+6	W'S	4	c	49	85	8	5	-	-	9+	9+	4000	1	*
1012·0	+2	W	3	c	46	85	8	5	-	1	7·8	7·8	2500	1	*
1013·6	+2	WNW	4	bc	49	85	7	5	-	-	4·6	4·6	2500	1	*
1013·7	+2	SW	2	c	49	85	8	5	-	-	9+	9+	2500	1	2
1012·4	+2	W'N	4	c	46	85	7	5	-	-	7·8	7·8	5700	1	3
1011·2	-2	NNW	2	c/r	4/e	95	6	5	2	-	3	10	1500	1	*
1011·1	+2	W	3	c	48	95	7	5	7	-	7·8	9+	1500	1	*
1010·2	+2	WSW	1	d$_o$d$_o$	41	95	6	6	-	-	10	10	1500	1	2
1009·9	-4	S'W	2	z$_o$	43	95	6	5	-	-	10	10	1500	1	*
1009·6	-8	WSW	3	z$_o$	46	95	6	5	-	-	10	10	2500	1	*
1011·5	0	W	4	c	48	85	8	5	-	-	9+	9+	1500	1	*
1012·4	+2	W	5	q	48	85	8	5	-	-	9	9	1500	1	*
1012·8	+4	W	3	c	50	75	8	5	-	-	9+	9+	2500	1	*
1014·8	+4	WNW	4	c	52	75	7	4	-	-	10	10	2500	1	4
1016·8	0	W'N	4	bc	51	85	8	5	7	-	2·3	4·6	2500	1	3
1018·4	-2	W	5	c	50	95	8	8	6	-	7·8	7·8	2500	1	3
1015·0	-6	W	5	c	50	95	8	5	8	-	4·6	7·8	1500	1	3
1017·3	0	NW	4	c	52	85	7	8	-	-	9	9	2500	1	4
1014·0	0	WNW	6	q	52	85	7	5	-	-	9+	9+	2500	1	4
1011·2	+8	W'N	5	c	51	85	8	5	9	-	4·6	9+	2500	1	3
1009·9	+4	W'S	4	c	51	85	7	5	-	-	9+	9+	4000	1	*
1009·4	+4	WNW	4	ir$_e$	49	95	6	6	2	-	7·8	10	800	2	*
1006·8	0	SW	2	m	41	95	4	5	-	-	10	10	800	1	1
1006·1	-2	S'E	1	o/d	38	95	6	5	-	-	10	10	1500	1	*
1007·9	-4	W	1	m/r	38	35	4	6	-	-	10	10	800	1	2
1006·5	-10	S	2	z$_o$	37	95	6	5	2	-	4·6	10	1500	1	1
1006·3	-10	W	2	c/d	35	95	6	5	-	-	10	10	1500	1	*
1005·6	-16	-	0	dd	38	95	5	5	-	-	10	10	800	1	*
1007·1	-8	S	1	dd	36	95	4	-	2	-	10	10	<150	1	*
1006·0	+4	W'N	5	c	49	95	7	8	-	-	7·6	7·6	1500	1	3
1002·7	-30	SSE	5	r$_o$r$_o$	36	95	6	5	2	-	4·6	10	1500	1	2
1005·8	-20	SW	3	is$_e$	31	35	6	5	-	-	10	10	1500	6	*
1005·6	-10	SW	1	z$_o$	34	75	6	-	2	-	0	10	-	4	1
1004·0	-10	SW	3	c	33	95	8	5	2	-	7·8	10	1500	6	3
1001·1	0	NW	4	c/ps	35	85	7	8	8	-	4·6	9	800	8	*
1003·8	-14	W	5	c	51	95	7	5	-	-	10	10	800	1	3
1005·1	-8	W	3	id	51	95	7	6	-	-	9+	9+	1500	1	2
1007·8	-6	SW	3	id$_o$	48	95	7	5	-	-	10	10	450	1	*
1012·5	-6	WSW	2	id	50	95	7	5	-	-	10	10	2500	1	*
1016·4	-6	SW	4	id$_o$	51	95	7	5	-	-	10	10	450	1	3
1016·0	-8	W	2	c	50	95	8	5	-	-	10	10	1500	1	2

PAST 24 HOURS.

Temperatures. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 2nd Hrs. (36)
55	50	46	1	-	0·0
54	49	48	1	Tr	0·0
55	47	42	0·2	-	0·4
53	47	44	Tr	-	0·4
55	49	47	0·3	Tr	0·1
52	45	44	3	1	0·0
52	42	42	3	4	0·4
54	43	43	2	4	0·3
50	41	40	1	1	0·0
53	41	40	6	2	0·2
51	40	39	2	2	0·3
53	48	46	0·4	-	0·2
54	48	44	Tr	Tr	*
55	50	45	-	-	0·1
54	49	*	0·3	-	*
56	50	48	Tr	-	0·0
53	49	*	-	0·2	*
53	48	*	-	0·3	0·1
54	51	47	0·2	-	0·0
54	50	*	Tr	-	0·3
53	50	49	1	-	0·0
52	47	46	1	1	0·2
51	43	43	3	2	0·0
49	39	*	0·2	2	0·1
52	37	37	-	1	1·4
48	38	35	1	Tr	0·7
46	36	35	2	0·6	0·1
42	34	29	2	Tr	0·0
50	37	36	Tr	1	0·3
49	35	35	0·2	1	1·6
51	42	*	0·3	3	0·8
				0·1	
39	33	*	1	3	0·0
40	30	26	4	0·5	0·0
39	32	29	1	Tr	0·1
39	32	*	0·5	0·1	*
36	30	*	1	1	0·0
53	50	*	Tr	Tr	*
51	44	*	3	5	0·0
50	44	43	1	2	0·3
54	43	46	Tr	1	0·0
53	50	46	Tr	0·5	0·0
56	43	*	0·1	-	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h. To-day.
Kew	18	crc	c$_z$bc	bcer$_o$	55	50	46	1	-	0·0	*	*	5
Croydon	217	cr$_c$cir$_c$	cr$_c$z$_c$	zcr$_c$bc	54	49	48	1	Tr	0·0	*	*	6
Greenwich (Royal Observatory) ...	149	cm$_o$	cm$_o$	c	55	46	43	-	-	0·0	71	80	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	*	*	*	*	*	0·0	*	*	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	56	50	43	-	-	0·0	71	81	*
Camden Square	110	c	c	*	55	47	46	Tr	-	0·0	75	82	*
Kensington	80	coc	c	*	54	50	44	-	-	*	*	81	*
Hampstead Observatory	450	op	o	cbc	55	49	42	Tr	-	0·0	At 18h. 72	81	*
					52	46	38	Tr	-	0·0	*	89	*

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 2nd December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 3rd December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1010·6	WNW	5	0	52	1014·6	W	6	0	52
Brussels	1003·0	WNW	4	ir$_e$	46	1011·3	NW	2	d$_f$	41
Berlin	991·8	W	2	ir$_e$	34	988·9	WNW	4	0	36
Zurich	1010·2	N	6	ss	37	1011·8	N	1	rr	43
Rome	1005·7	NW	2	b	52	1005·5	E	1	z$_o$	36

Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
52	52	3	-
48	41	4	2
39	34	0·1	3
37	8	5	3
*	*	-	-

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	20-22h 2nd	<0·3	1-4h 3rd.

Kew Observatory.

Max.	Time.	Min.	Time.
0·1	19h 2nd	<0·1	0-7h 3rd.

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 4th December. 1936.
No. 27406

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

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

PAST 24 HOURS.

Dist.	Stations. (For heights see p. 4.)	13h. Barom. at M.S.L. mb. (1)	13h. Change in 3 hours. (2)	13h. Wind. Direc. (3)	13h. Wind. Force 0–12 (4)	13h. Weather. (5)	13h. °Temp. F. (6)	13h. % Humid. (7)	13h. Visibility 0–9 (8)	13h. Cloud. Form. Low (9)	Med. (10)	High (11)	Amount. Low 0–10 (12)	Total 0–10 (13)	Height of Base (feet) (14)	18h. Barom. at M.S.L. mb. (15)	18h. Change in 3 hours. (16)	18h. Wind. Direc. (17)	Force 0–12 (18)	18h. Weather. (19)	18h. °Temp. F. (20)	18h. % Humid. (21)	18h. Visibility 0–9 (22)	18h. Cloud. Form. Low. (23)	Med. (24)	High. (25)	Amount. Low 0–10 (26)	Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)	Weather. 7h.–13h. 3rd (37)	13h.–18h. 3rd (38)	18h. 3rd to 1h. 4th. (39)	1h.–7h. 4th (40)
1	London (Kew)	1013·6	−2	W	3	c	53	75	7	7	–	–	9+	9+	2500	1013·1	−2	SW'W	3	z_o	51	85	6	5	–	–	10	10	4000	1	*	cbcc	cz_o	cz_oc	bcm_o
	Croydon ...	1013·3	+2	W'S	4	c	53	75	6	7	3	–	4-6	9	2500	1013·4	+4	SW'W	4	z_o	51	85	6	5	–	–	9+	9+	1500	1	*	c,bcm_o	cz_ocm_o	cm_oc	c,cr_oq
	S. Farnborough	1013·9	−2	W'N	3	c	56	65	7	7	–	–	9	9	2500	1013·4	0	WSW	3	c	51	85	8	5	–	–	10	10	1500	1	*	cbcc	c	c	$cqir_ob$
	Boscombe Down	1015·0	+2	W'N	4	jp	51	85	8	5	–	–	9+	9+	2500	1014·0	−2	WSW	4	c	51	85	7	5	–	–	10	10	1500	1	*	$bccpr_oc$	c	c	$ccpr_oqb$
	Calshot (Sthmtn.)	1015·1	+2	W	3	c	53	75	8	5	–	–	9+	9+	2500	1014·7	−2	SW	3	c	51	95	8	5	–	–	9+	9+	2500	1	2	cbc	c	c	c,bcb
	Lympne ...	1013·5	0	W'N	4	bc	53	75	8	7	–	1	2-3	2-3	4000	1014·1	0	WSW	2	c	48	95	7	5	–	–	10	10	2500	1	1	$cbcz_ob$	b_oco	oom_oc	c
	Manston ...	1012·6	+2	W	3	z_o	52	75	5	–	–	–	0	0	–	101311	+2	SW'W	2	z_o	50	75	6	5	–	–	10	10	2500	1	*	cm_obz_o	$bz_oc_oz_o$	cz_o	cqir
2	Shoeburyness ...	1012·4	0	W'N	3	bc	55	75	7	4	7	–	2-3	4-6	4000	1012·8	0	SW	3	c	51	85	6	4	–	–	10	10	4000	1	*	cm_obc	bcm_oc	cm_oc	bcpb
	Felixstowe ...																																		
	Gorleston ...	1010·1	−2	W'S	3	c	48	95	6	5	–	–	9+	9+	2500	1010·3	+4	SW'W	3	o	50	85	7	6	–	–	10	10	2500	1	3	od_ofc	cz_oco	ocq	cpr_obc
	Mildenhall ...	1011·3	+2	W	4	c	51	85	8	5	–	–	9+	9+	4000	1010·7	−4	SW'S	4	c	50	85	7	5	–	–	10	10	2500	1	*	cm_od_oc	c	c,bc	c,b
	Cranwell ...	1010·1	−2	WSW	4	z_o	50	85	6	5	–	–	9+	9+	2500	1009·2	−6	SW	4	z_o	50	85	6	5	–	–	9+	9+	2500	1	*	cm_o	cm_od_oc	cm_obbc	bcb
3	Birmingham ...	1012·2	0	WSW	2	id_o	50	95	6	6	–	–	9	9	1500	1010·3	−14	WSW	4	c	50	85	8	5	–	–	7-8	7-8	1500	1	*	c	id_oc	c	cpr_ob
	Upper Heyford	1013·3	−4	W'S	5	c	51	85	8	5	–	–	9	9	1500	1012·2	−10	SW	3	c	50	85	7	5	–	–	10	10	1500	1	*	cqbcc	c	cbcb	bbcqprb
4	Ross-on-Wye	1012·9	−10	SW	3	c	53	75	8	4	–	–	7-8	7-8	4000	1011·5	−10	SW	3	c	51	85	7	5	–	–	10	10	1500	1	*	c	cbcc	c	cqpbcbq
5	Portland Bill ...	1015·6	+2	W	4	c	52	85	8	4	–	–	10	10	2500	1014·4	−6	W	4	c	52	85	8	5	–	–	10	10	2500	1	3	c	c	c c	prbc
	Plymouth ...	1017·2	+2	W	3	id_o	52	85	8	5	–	–	10	10	1500	1016·5	−2	WSW	3	r_or_o	51	95	6	6	–	–	10	10	800	1	1	$bccid_o$	cid_or_o	$or_or_om_o$	orr_obc
	The Lizard ...	1018·0	0	W'S	5	c/pr	50	85	8	8	2	–	7-8	9+	2500	1016·9	−4	SW'W	5	bc/pr	50	95	8	8	–	–	4-6	4-6	2500	1	3	cpr_oc	pr_obc	$bcpr_oc$	pr_obc
	Scilly (St.Mary's)	1017·7	−14	W'S	5	c	51	95	7	5	–	–	9+	9+	1500	1016·3	−6	WSW	5	c	50	95	7	5	–	–	7-8	7-8	1500	1	3	cid_oc	cid_oc	cd_oidc	cdbcq
	Guernsey ...	1018·2	0	W'N	4	c/d	52	95	6	5	1	–	4-6	7-8	1500	1017·7	0	W'N	3	id	50	95	6	8	–	–	9+	9+	1500	1	5	pr_oid	$oidr_oc$	qpid	oidpr
3	Pembroke ...	1013·5	−4	W	6	q	51	95	7	8	7	–	7-8	9+	2500	1012·2	−8	W	6	q	51	95	7	8	–	–	7-8	7-8	2500	1	4	cq_mpr_o	cq_pr_oc	$cqpr_om_od$	bq
7	Holyhead ...	1010·0	−14	WSW	4	c	53	85	8	5	–	–	9+	9+	1500	1006·7	−20	SW	5	bc	51	95	8	5	–	–	4-6	4-6	1500	1	3	bcvc	c,bc	$bccpr_o$	bbcy
	Chester(Sealand)	1010·1	−8	WSW	3	c	54	75	7	5	–	–	9+	9+	2500	1008·0	−12	SW	4	bc	52	75	7	5	–	–	2-3	2-3	2500	1	*	c	cbc	bcPRbc	bc
8	Manchester ...	1009·8	−6	W	4	o/d	51	95	6	5	–	–	10	10	800	1008·1	−10	SW'W	3	z_o	51	85	6	5	–	–	4-6	4-6	4000	1	*	$ir_oid_om_o$	id_ocbcm_o	bccpr	cbc
10	Spurn Head ...	1008·0	−6	W	4	c	49	95	6	5	2	–	4-6	10	1500	1006·7	−8	SW	4	c	50	95	7	5	2	–	4-6	10	2500	0	3	mpr_oc	zc	bcc	cbcq
	Catterick ...	1006·2	−16	WSW	4	c	51	85	8	8	–	–	7-8	7-8	2500	1004·3	−12	SW'S	3	id_o	50	85	7	5	–	–	9+	9+	1500	1	*	$ofecd_o$	$bccd_o$	cpr_obc	$bcpr_ob$
	Tynemouth ...	1005·9	−14	W	3	c	51	85	6	6	–	–	7-8	7-8	800	1002·2	−16	WSW	3	c	52	85	7	6	–	–	9	9	800	1	3	acmff	c	cocq	cbcq
11	Inchkeith ...	1002·1	−20	SW	2	m	42	95	4	5	–	–	9+	9+	1500	997·0	−30	SW	6	c	50	95	8	4	2	–	4-6	10	2500	0	4	zdfz	zcq	cprq	cq
12	Leuchars ...	1001·6	−30	WNW	1	m	37	95	4	5	2	–	7-8	10	800	996·0	−34	SW	6	q	50	85	6	6	2	–	7-8	10	800	1	*	od_od_ocm	$cmcmq$	cm_oqpr	cqp_obc
	Renfrew (Abbots I.)	1002·6	−20	SW	4	id_o	51	95	6	5	–	–	10	10	450	998·7	−22	SW'W	3	c	50	85	7	5	–	–	10	10	1500	1	*	ddffcr	cm_oid_oc	RbcPR	bccqpr
	Eskdalemuir ...	1003·7	−14	WSW	5	d_od_o	47	95	5	–	2	–	10	10	220	999·3	−32	SW'W	8	pr_o	47	95	8	5	–	–	7-8	7-8	1500	1	*	$oddm_o$	$od_od_om_o$	cir_oq	ir_oqb
	Point of Ayre...	1006·9	−10	W	5	c	51	95	7	8	6	–	7-8	9+	800	1003·1	−30	W	6	c	51	95	8	8	–	–	7-8	7-8	800	1	3	opr_oc	c	$cprbc$	bc
13A	Tiree	998·5	−28	SW'W	7	id_o	50	95	6	5	2	–	9	10	450	989·3	−56	SW'S	8	DD	50	95	5	5	–	–	10	10	220	1	4	cid_o	cid	ODR	cfkr
13B	Stornoway ...	992·2	−40	SW	6	pr_o	50	95	7	6	7	–	4-6	7-8	1500	981·8	−74	SSW	7	rr	50	95	6	5	2	–	7-8	10	1500	1	4	cr_orr	r_or_oc	cprrrf	crr
15	Dalwhinnie ...	999·7	−34	SW	5	c	45	95	7	4	6	–	4-6	10	2500	992·0	−50	SW	7	bc	46	75	7	4	6	–	2-3	4-6	2500	1	*	cid	c	*	cir
	Aberdeen ...	999·3	−42	S	3	z_o	38	95	6	5	3	–	7-8	9	450	991·8	−44	S'W	2	z_o	41	95	6	5	–	–	Tr	Tr	450	1	2	$sgfd_o$	cm_ob	br_oc	$cprbc$
	Wick ...	997·0	−42	SSE	5	rr	38	95	7	5	–	–	10	10	800	986·7	−60	SSW	5	bc	44	95	8	8	6	–	2-3	4-6	1500	1	3	cssr	$rrcbc$	$cbpr_c$	rrrbr
16	Lerwick ...	998·7	−24	–	0	c	36	85	8	8	2	–	4-6	10	1500	986·2	−92	SSE	7	rs	38	95	6	6	–	–	10	10	220	6	*	c	$coirsm_o$	$oRRm_oc$	crm_o
17	Blacksod Point	1005·8	−34	W	5	c	52	95	7	5	–	–	10	10	800	1000·4	−30	W	6	PR	52	95	7	9	–	–	10	10	800	1	4	pr_ocq	idr_q	prc_q	pr_oc_q
18	Malin Head ...	1002·9	−22	SW	5	jp	50	95	7	9	2	–	9	10	1600	994·5	−70	SW	5	id_o	51	95	6	8	–	–	9+	9+	800	1	2	cid	c	cir	cpq
	Aldergrove ...	1005·9	−18	SW	4	id_o	50	95	8	5	–	–	10	10	1500	1001·2	−28	SW	6	c	50	85	7	5	–	–	10	10	1500	1	*	$od_oc_od_o$	cid_oc	$cbcc_o$	cpr_oqb
19	Birr Castle ...	1010·9	−14	WSW	2	c/pr	51	95	8	8	–	–	9+	9+	2500	1006·5	−18	WSW	3	pr_o	51	95	8	8	–	–	9	9	2500	1	*	$idcpr_o$	cpr_o	cpr_o	cpr_ob
20	Valentia Obsy. †	1014·2	−20	SW	5	c/d	52	95	7	5	–	–	9+	9+	800	1010·5	−18	SW	5	c	52	95	8	5	–	–	9+	9+	800	1	3	ir_oddd_oc	$idiDc$	$prpr_o$	dbc
	Roches Point	1013·8	−8	W	4	c	53	95	9	8	–	–	7-8	7-8	1500	1010·9	−14	W'S	4	id_o	52	95	7	5	–	–	10	10	800	1	3	c	$coid_o$	oid_oc	ebcb

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight: repetition of letters indicates continuity: thus R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ⊕ lunar halo. ⟋ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; + has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo- stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

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

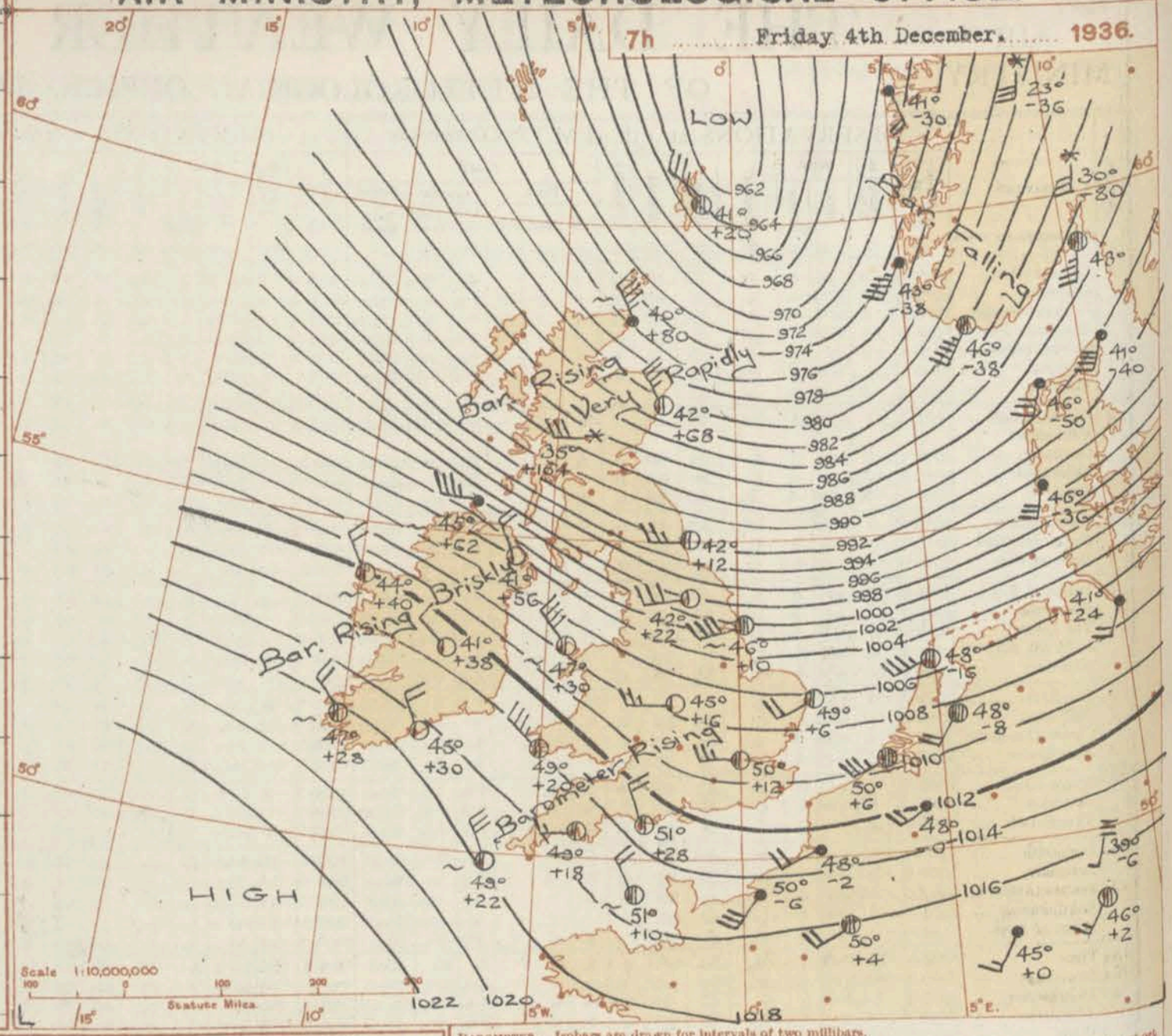
† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 3rd December, 1936.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F) Min. 9h. 2nd to 9h. 3rd.	Temperature (F) Max. 9h.—17h. 3rd.	Rainfall (mm) Night. 17h. 2nd to 9h. 3rd.	Rainfall (mm) Day. 9h.—17h. 3rd.	Sunshine (hrs) Sunrise to Sunset. 3rd.
1	Tunbridge W.	bcc	bcc	48	52	–	–	1·6
	Bournemouth	c	co	48	53	–	–	0·3
	Ventnor ...	obco	ou	48	53	–	–	0·6
	Southsea ...	cbcb	bcc	49	53	–	–	2·1
	Bognor Regis	cbcbc	c	47	54	Trace	–	1·3
	Littlehampton	bcc	c	48	54	–	–	1·4
	Worthing ...	cbcb	bcc	47	54	Trace	–	1·8
	Brighton ...	c	c	47	51	Trace	–	0·0
	Eastbourne†	ocbc	bcco	48	53	–	–	2·2
	Hastings† ...	cbcb	bcco	47	55	–	–	3·4
	Folkestone ...	bcmb	bbc	44	55	4	–	4·6
	Dover	cbc	bcc	45	55	6	–	3·9
	Deal	oc	cb	43	54	3	–	3·5
	Ramsgate ...	c	cbc	44	53	3	–	4·1
	Margate ...	bc	bc	43	52	3	–	3·4
2	Southend ...	bcc	co	44	55	5	–	3·0
	Maldon ...	c	bcco	44	55	2	–	1·2
	Clacton-on-Sea	cbc	bcc	42	53	1	–	1·1
	Dovercourt ...	roc	bcc	42	52	2	–	1·6
	Lowestoft ...	orfd	c	40	50	2	0·3	0·2
	Skegness ...	rdfcb	bc	40	50	2	–	2·4
	Mablethorpe	omfcbc	bcco	39	50	2	Trace	3·1
	Cleethorpes ...	cr	bco	38	52	1	Trace	1·8
3	Leamington S.	oc	c	48	53	1	–	0·3
4	Cheltenham†	c	coc	47	53	Trace	–	0·2
5	Bath	c	cp	49	52	Trace	Trace	0·1
	Weymouth ...	bc	c	50	54	–	–	0·8
	Jersey ...	cpcbc	cpc	50	54	–	0·2	1·4
	Torquay ...	bc	co	49	55	–	–	3·8
	Penzance ...	cdbc	cld	50	52	1	Trace	1·2
	St. Ives ...	c	d	50	51	–	Trace	0·5
	Bude	c	od	49	52	–	Trace	0·0
	Ilfracombe ...	poco	cpor	50	54	Trace	1	0·1
6	Aberystwyth	oid	oid	47	52	1	0·5	0·0
7	Llandudno ...	c	c	49	53	0·3	–	0·7
	Colwyn Bay...	cbcbc	bcbcb	49	54	0·3	–	2·0
	Rhyl	cbcc	cbcb	48	56	0·3	–	2·8
8	Wallasey ...	cpbc	cbcc	44	52	6	Trace	0·7
	Southport‖ ...	bc	bcobc	42	51	3	–	0·4
	Blackpool ...	c	c	43	50	3	–	0·1
	Morecambe ...	cbcbc	cmdo	41	50	2	0·3	1·3
9	Ilkley	c	cod	40	51	2	0·5	0·6
	Harrogate ...	c	cd	38	50	2	0·1	0·1
10	Berwick-on-T.	odc	edc	36	51	–	0·1	0·4
11	Dunbar ..	or	cr	36	51	0·3	Trace	0·0
12	Troon... ...	roroc	eroco	41	52	3	0·3	0·0
	Douglas ...	cidc	c	43	51	4	Trace	0·0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS:— Clear sky. Sky less than ⅛ clouded. Sky ⅛ to ⅝ clouded. Sky ⅝ to ⅞ clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

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 December, 1936.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Moderate or fresh squally west to northwest winds; mainly fair; perhaps showers later; average temperature.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Fresh or strong squally west to northwest winds; gale on coasts; decreasing; bright intervals, local showers of rain or hail; rather cold.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. / B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	West to northwest gale, decreasing; showers of rain, hail or snow; cold.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Fresh squally west wind, backing southwest; bright intervals; showers; average temperature.

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

L.D.

GENERAL INFERENCE.

An intense depression near Shetland is moving slowly east or east-south-east. There will be showers of rain, hail or snow in the North. In the South weather will be fair at first but showers may occur later.

FURTHER OUTLOOK.

Unsettled.

Times of issue of Gale Warnings.

▲ North Cone hoisted at 0815 on 3rd in district 16 (Shetland).

▼ South Cone hoisted at 0815 on 3rd in districts 7, 8, 11, 12, 13, 15, 16, (Orkney), 17, 18, 19. At 1115 on 3rd in district 2, 10 and Dogger Bank area.

Forecasts issued at 10.40 G.M.T.

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

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

Morning of

FRIDAY
4TH DECEMBER.

1936.

Clarke's Projection. Scale 1: 4 x 10⁷ along meridian at 55° N.
Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = 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 4th December, 1936.
No. 27406.

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1010·2	-10	WSW	5	c	50	85	8	5	3	-	7-8	9+	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1011·4	-18	SW'W	5	c	46	85	8	5	-	-	9+	9+	800
	Manston ...	142	1008·3	-10	SW'W	4	c	49	85	7	5	3	-	4-6	7-8	1500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1006·0	-20	SW	4	c	47	85	7	5	-	-	7-8	7-8	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1011·6	-12	N	5	c	52	95	8	4	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1014·3	-4	WSW	6	c	50	95	7	5	2	-	9	9+	2500
	Scilly (St. Mary's)	163	1013·9	-6	WSW	6	c	51	95	8	5	2	-	7-8	10	1500
	Guernsey ...	175	1015·9	-8	W	5	id	51	95	6	5	-	-	10	10	1500
6	Pembroke ...	142	1007·4	-10	W	6	pr	52	95	6	5	-	-	10	10	1500
7	Holyhead ...	26	1003·3	+6	W'N	7	b	50	65	8	1	3	-	1	1	2500
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1000·4	-32	SSW	5	c	46	95	7	5	7	-	4-6	9+	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	992·8	-24	W	5	q	52	65	7	9	-	-	7-8	7-8	1500
11	Inchkeith ...	190	986·2	-40	SW	8	c	46	95	6	8	-	-	7-8	7-8	4000
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	997·6	-6	W	7	bc	49	85	8	1	-	-	2-3	2-3	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	969·0	-66	WSW	6	rr	46	95	7	5	2	-	4-6	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	971·6	-66	SW	8	c	47	75	8	8	6	-	4-6	7-8	1500
16	Lerwick ...	156	969·1	-54	SSW	6	c/pr	46	95	6	6	2	-	7-8	10	800
17	Blacksod Point	18	1004·8	+40	NW	8	q	48	85	8	9	-	-	4-6	4-6	1500
18	Malin Head ...	52	992·8	+26	W'S	7	c/pr	44	95	6	8	-	-	9	9	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1011·2	+10	W	6	bc/pr	48	95	8	9	-	-	4-6	4-6	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 * (30)
1010·5	+20	W	4	bc	49	75	6	5	-	-	2-3	2-3	1500	1	*
1010·2	+12	W	5	bc	50	75	8	5	-	-	4-6	4-6	1500	1	*
1011·5	+20	W'N	4	b	48	75	8	5	-	-	Tr	Tr	2500	1	*
1012·3	+20	W'N	5	bc	45	85	7	5	-	-	2-3	2-3	2500	1	*
1012·0	+14	W'N	5	bc	48	75	8	5	3	-	2-3	2-3	2500	1	3
1010·8	+2	W'S	4	c	49	85	8	5	8	-	7-8	8	1500	1	3
1009·1	-2	SW'W	4	q	51	85	8	5	7	-	9	9+	2500	1	*
1010·0	+10	W	3	bc	48	75	7	5	7	-	2-3	2-3	2500	1	*
1008·7	+6	WSW	4	bc	49	85	8	4	-	-	2-3	2-3	2500	1	3
1007·2	+18	W'S	4	b	46	85	8	-	-	-	0	0	-	1	*
1005·8	+22	WSW	6	b	45	75	7	5	-	-	Tr	Tr	2500	1	*
1008·7	+16	W	5	b	45	75	8	-	-	-	0	0	-	1	*
1010·3	+22	W'S	5	b	43	85	8	-	-	-	0	0	-	1	*
1011·0	+20	W	4	q	46	65	8	1	-	-	Tr	Tr	2500	1	*
1013·5	+28	NW	4	bc	51	75	8	4	-	-	4-6	4-6	2500	1	3
1015·6	+18	W	3	bc	49	75	7	8	-	-	2-3	2-3	1500	1	1
1016·8	+20	W'N	5	bc	49	75	8	8	-	-	2-3	2-3	2500	1	3
1017·5	+22	NW'W	6	bc	49	75	8	5	-	-	2-3	2-3	2500	1	4
1015·3	+10	NW	4	c/pr	51	85	7	8	-	-	9+	9+	2500	1	4
1012·5	+20	WNW	7	q	49	65	7	5	-	-	2-3	2-3	4000	1	3
1007·7	+30	WNW	8	bc	47	55	8	1	-	-	2-3	2-3	2500	1	4
1006·9	+26	W'S	7	bc	47	55	7	5	-	-	4-6	4-6	1500	1	*
1004·8	+28	WNW	6	c	46	65	7	5	3	-	7-8	8	2500	1	*
1000·5	+10	W'S	8	q	46	85	7	5	2	-	4-6	7-8	2500	0	7
999·5	+22	W'S	6	b	42	65	8	1	-	-	Tr	Tr	2500	1	*
994·7	+12	W	5	bc	42	75	7	2	-	-	2-3	2-3	2500	1	3
987·0	+18	SW	9	c	44	85	8	5	-	-	7-8	7-8	4000	0	6
987·4	+60	W	7	b	42	75	8	5	-	-	1	1	1500	1	*
987·2	+74	WNW	8	pr	41	75	6	8	-	-	9	9	1500	1	*
986·6	+30	W	7	b/r	38	75	7	5	2	1	Tr	Tr	800	1	*
1003·3	+34	NW'W	8	bc	44	85	8	4	-	-	4-6	4-6	2500	1	5
1000·6	+80	NW'W	8	c/pr	39	95	7	8	-	-	7-8	7-8	1500	1	-
991·6	+140	NW	8	iR	38	85	7	5	7	-	4-6	7-8	1500	1	5
*	+104	W	6	iS	35	75	6	3	6	-	4-6	7-8	2500	1	*
981·6	+68	NW'W	7	bc/pr	42	85	8	9	-	-	4-6	4-6	1500	1	3
978·2	+80	NW	9	ir	40	95	7	8	6	-	4-6	7-8	1500	1	4
964·3	+20	WNW	7	c/r	41	85	6	8	2	-	7-8	9+	800	1	*
1013·5	+40	NW	4	bc	44	65	8	9	-	-	2-3	2-3	1500	1	4
1003·5	+62	W'N	7	pr	45	95	7	8	-	-	7-8	7-8	1500	1	6
1006·0	+56	NW'W	6	b/pr	41	75	8	5	-	-	1	1	1500	1	*
1013·2	+38	WNW	2	b	41	75	8	-	-	-	0	0	-	1	*
1018·7	+28	WNW	4	bc	47	65	8	8	3	-	4-6	4-6	1500	1	4
1017·9	+30	NW	4	b	45	95	8	-	-	-	0	0	-	1	3

PAST 24 HOURS.

Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 3rd Hrs. (36)
*	*	*	*	*	*
53	48	44	-	-	2·0
54	50	47	-	Tr	1·6
54	50	47	-	Tr	1·6
56	48	41	-	Tr	1·6
53	45	41	Tr	0·3	2·2
54	49	46	-	-	1·4
53	47	46	-	-	4·0
53	47	45	-	Tr	3·7
55	48	43	-	0·1	2·4
50	47	45	1	Tr	1·3
52	46	42	Tr	-	0·4
50	44	42	Tr	-	0·2
52	44	41	Tr	0·4	0·0
52	43	38	-	1	*
53	46	40	-	0·5	0·1
53	50	*	-	0·1	*
52	49	45	Tr	0·4	0·7
51	48	*	0·1	t.	*
51	49	*	0·1	1	0·5
53	50	46	1	2	0·4
52	47	*	0·2	0·3	0·3
53	47	45	-	0·2	0·8
55	47	42	-	1	0·5
52	46	42	Tr	0·4	0·0
50	45	*	0·3	-	1·9
52	42	38	Tr.	0·1	1·3
52	42	36	-	Tr	0·2
51	40	38	1	0·4	0·0
50	41	39	0·4	1	0·0
51	40	37	1	4	0·0
48	38	35	4	5	0·0
52	43	*	*	Tr	0·3
51	37	36	0·4	2·0	0·0
51	34	*	6	10	0·0
47	35	32	0·1	16	0·0
43	40	37	0·1	1	1·2
45	38	*	3	8	*
39	36	*	2	8	0·0
52	40	*	1	0·3	*
51	44	*	0·4	1	0·0
50	38	35	0·1	1	0·0
52	41	35	0·4	0·6	0·1
53	47	41	1	1	0·1
54	44	*	0·1	0·1	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather Morning. (24 hrs. ended 9h.)	Weather Afternoon. (24 hrs. ended 9h.)	Weather Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	cbcc	cz_o	$cz_o cbcm_2$	53	48	44	-	-	2·0	*	*	6
Croydon	217	$c_1 bcm_2$	$cz_o cm_2$	$cra_c c_o q$	54	50	47	-	Tr	1·6	*	*	6
Greenwich (Royal Observatory)...	149	$c_1 bcm_2$	cm_2	cb	54	46	40	-	-	1·5	73	71	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	2·1	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	55	47	40	-	-	*	77	77	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	54	47	44	Tr	Tr	1·7	75	77	*
Camden Square	110	cbc	bcc	*	50	47	40	-	-	*	*	75	*
Kensington	80	bcc	c	*	54	47	38	-	-	1·4	81	75	*
Hampstead Observatory	440	bc	bc	cor	53	43	35	-	-	2·2	*	82	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 4th

South Kensington.

Max.	Time.	Min.	Time.
0·6	8-11h 3rd	<0·3	1-4h 4th

Kew Observatory.

Max.	Time.	Min.	Time.
0·1	17h 3rd	<0·1	22h 3rd-7h 4th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 3rd December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 4th December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1017·8	N	3	c	50	1017·1	WSW	4	c	50
Brussels	1013·9	WSW	2	0	46	1011·5	WSW	4	ir_o	48
Berlin	1010·4	WSW	2	c	37	1013·3	SE	4	z_o	32
Zürich	1018·4	NW	1	$d d_o$	43	1022·3	NNW	1	0	43
Rome	*	NNE	3	b	*	1014·6	NE	3	b	37

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
54	50	Tr	-
48	46	1	0·1
39	30	Tr	-
43	43	*	1
*	*	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 5th December, 1936.
No. 27407

District.	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 4th December														OBSERVATIONS at 18h. G.M.T. 4th December														PAST 24 HOURS.			
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	°Temp.	%Humid.	Visibility 0–9	Cloud. Form. Low	Cloud. Form. Med.	Cloud. Form. High	Cloud. Amount. Low 0–10	Cloud. Amount. Total 0–10	Cloud. Height of Base (feet)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	°Temp.	%Humid.	Visibility 0–9	Cloud. Form. Low.	Cloud. Form. Med.	Cloud. Form. High.	Cloud. Amount. Low 0–10	Cloud. Amount. Total 0–10	Cloud. Height of Base (feet)	State of Ground. 0–9	Sea. 0–9	Weather. 7h.—18h. 4th	Weather. 18h.—18h. 4th	Weather. 18h. 4th to 1h. 5th	Weather. 1h.—7h. 5th
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)
1	London (Kew)	1016·6	+18	W	4	b	48	45	7	1	–	–	Tr	Tr	2500	1020·3	+18	SW	2	z_o	42	65	5	–	–	–	0	0	–	1	*	$bz_o by$	$by bz_o$	bz_o	$bz_o c_6 r_o$
	Croydon ...	1016·7	+20	WNW	5	b	49	45	7	1	–	–	Tr	Tr	4000	1019·9	+8	SW'S	3	z_o	42	65	6	–	–	–	0	0	–	1	*	$bcz_o by$	$by z_o$	$cz_o bcc$	$cbc c_6 r_o$
	S. Farnborough	1017·5	+22	W'N	4	b	50	45	7	–	–	–	0	0	–	1020·1	+10	W'S	1	b	36	75	7	–	–	–	0	0	–	1	*	by	$by b$	bxc	$coir_o$
	Boscombe Down	1018·5	+24	W'N	4	b	48	45	7	–	–	–	0	0	–	1020·8	+10	W'S	3	b	37	85	7	–	–	–	0	0	–	1	*	by	b	bbcc	$c_6 r_o$
	Calshot (Sthmtn.)	1018·5	+24	WNW	5	b	49	55	8	–	–	–	0	0	–	1021·0	+10	WSW	3	b	41	75	7	–	–	–	0	0	–	1	2	bg	$b_o y b$	$bb_o bc_o p_o$	$bcc p_o r_o$
	Lympne ...	1016·4	+22	W'N	5	b	48	55	7	1	–	–	Tr	Tr	4000	1020·3	+20	W	3	b	40	55	6	–	–	–	0	0	–	1	2	cby	$by bz_o$	$bz_o c$	$cp_o \Phi$
	Manston ...	1015·5	+26	W'N	5	b	48	55	7	–	–	–	0	0	–	1019·8	+26	W'S	2	z_o	40	55	6	–	–	–	0	0	–	1	*	$cbm_o by$	$by z_o$	$bz_o c$	c
2	Shoeburyness ...	1015·7	+28	WNW	4	b	49	45	8	1	–	–	Tr	Tr	4000	1019·4	+22	WNW	2	b	41	65	6	–	–	–	0	0	–	1	*	$bz_o by$	$by bm_o$	$bm_o x$	bcc
	Felixstowe ...																																		
	Gorleston ...	1012·2	+30	W	6	bc	47	55	6	1	–	–	2-3	2-3	4000	1016·7	+18	WSW	3	b	41	65	6	–	–	–	0	0	–	1	2	bcq_y	$bcq b$	bbcco	$o c_6 r_o$
	Mildenhall ...	1014·0	+30	WNW	5	b	47	55	8	1	–	–	Tr	Tr	2500	1017·7	+12	SW'W	3	b	39	75	7	–	–	–	0	0	–	1	*	cby	$by b$	$c_o b$	$cr_o r_o r_o r_o$
	Cranwell ...	1012·1	+28	W'N	6	b	45	65	7	1	–	–	1	1	4000	1016·3	+8	SW'W	3	b	38	75	7	–	–	–	0	0	–	1	*	$b_o cp_o b$	b	bbcc	$cr_o r_o$
3	Birmingham ...	1015·7	+30	WNW	4	b	45	45	6	–	–	–	0	0	–	1017·3	+6	WSW	3	b	41	75	8	5	–	–	Tr	Tr	2500	1	*	b	b	$b_o c$	cir
	Upper Heyford	1016·9	+22	WNW	6	b	46	55	8	–	–	–	0	0	–	1019·3	+18	W	3	b	37	85	7	–	–	–	0	0	–	1	*	by	by	$bbcc_o r$	cRRr
4	Ross-on-Wye	1017·3	+14	W'N	5	q_r	47	45	8	1	–	–	Tr	Tr	4000	1018·6	+6	WSW	3	b	42	65	6	5	–	–	Tr	Tr	2500	1	*	by	by	bbcc	cir
5	Portland Bill ...	1019·2	+40	NW	4	b	50	65	8	–	–	–	0	0	–	1020·9	+10	WNW	3	bc	48	75	8	4	–	–	2-3	2-3	2500	1	3	bcb	bbc	cbc	oPRtl
	Plymouth ...	1020·6	+14	NW'N	4	bc	51	65	8	8	–	–	2-3	2-3	2500	1021·3	+6	W	1	b	46	85	7	5	–	–	1	1	2500	1	1	b	by bcb	b	$bco_r r$
	The Lizard ...	1021·3	+8	WNW	3	bc	50	75	8	2	–	–	2-3	2-3	2500	1023·0	+2	W	4	bc	48	75	8	8	–	–	2-3	2-3	2500	1	2	bc	bc	bcc	cprq
	Scilly (St.Mary's)	1022·2	+8	NW'W	4	bc	52	65	8	4	–	–	2-3	2-3	2500	1023·2	+6	W'S	4	c/pr	47	75	8	8	6	3	4-6	7-8	2500	1	3	bc	cp_o	cbcc	$cp_o q$
	Guernsey ...	1021·1	+20	NW'N	4	bc	51	65	7	1	–	–	2-3	2-3	2500	1022·6	+4	W'S	1	bc	46	85	7	1	–	–	2-3	2-3	2500	1	3	cbc	bc	cp_o	cpr
6	Pembroke ...	1018·4	+10	WNW	5	q_r	50	65	8	7	6	–	2-3	4-6	4000	1018·5	+4	W'N	6	q_r	48	65	7	8	–	–	4-6	4-6	2500	1	3	bbcq	bccbcq	cqpr	cqpr
7	Holyhead ...	1015·4	+28	WNW	6	bc	47	75	8	1	–	4	2-3	2-3	1500	1014·9	+6	W'S	5	c	46	65	8	1	–	–	9	9	1500	1	3	$bcy b_{///}$	b,c	$pr_o r_o c$	cprc
8	Manchester ...	1013·2	+30	NW'W	6	b	46	55	7	7	–	–	1	1	2500	1015·5	–2	S'E	1	z_o	40	75	6	4	–	–	1	1	2500	1	*	$bcpr b y$	$by bcz_o$	$bz_o c$	$o r_o r r$
10	Spurn Head ...	1009·1	+38	WNW	8	q_r	45	95	7	–	7	–	0	2-3	–	1013·7	+28	WSW	5	bc	42	95	7	–	1	–	0	2-3	–	0	4	cbcq	$qbc_{///}$	bcco	opr
	Catterick ...	1008·8	+40	WNW	5	bc	44	55	8	1	–	–	2-3	2-3	2500	1012·7	+8	–	0	b	33	85	8	2	–	–	1	1	2500	1	*	$bcpr_o q b$	$y y pbc_{///}$	bccir	cirrc
	Tynemouth ...	1006·0	+50	W	5	bc	42	65	8	2	–	–	2-3	2-3	2500	1010·8	+28	W	4	bc	39	75	7	2	–	–	4-6	4-6	1500	1	2	bcq	$bcq_{///}$	$bcoir_o o$	oir
11	Inchkeith ...	1004·9	+24	SW	7	bc	40	85	8	5	–	–	2-3	2-3	4000	1008·2	+18	SW	6	c	38	95	7	5	–	–	7-8	7-8	1500	0	4	cbcq	bcc	coRsc	cbc
	Leuchars ...	1003·0	+50	W	7	b	39	65	9	3	–	–	1	1	2500	1007·4	+12	WSW	4	bc	33	85	8	–	–	5	$0_{///}$	4-6	–	1	*	$bq_{///}$	$bq bqc$	bcc	crrbcx
12	Renfrew (Abbots L.)	1007·7	+42	WNW	5	prs_o	42	65	8	3	–	–	7-8	7-8	1500	1009·1	+2	–	0	c	37	95	7	5	–	–	10	10	2500	1	*	$qp_r ph s$	$cpr_o s_o hs$	$ir_o rm_o$	PRphps
	Eskdalemuir ...	1008·3	+36	WNW	5	bc/phr	36	75	7	9	–	3	4-6	4-6	800	1011·1	+14	WSW	2	$s_o s_o$	33	95	5	–	2	–	10	10	1500	3	*	$ps_o ps_{///}$	$bcs_o s_o$	$s_o irs$	rrrrbc
	Point of Ayre ...	1011·9	+22	NW'W	6	b	46	75	8	1	–	–	1	1	2500	1011·9	–2	W	5	c	45	85	7	9	7	–	7-8	10	800	1	3	bc $_{///}$	bccp	cpr	pr
13a	Tiree	1007·6	+20	WNW	6	c	42	65	8	3	7	8	7-8	9	1500	1006·7	+6	W	2	c/r	40	85	8	8	7	–	9+	10	1500	1	4	cphr	phrir		
13b	Stornoway ...	1003·4	+40	WNW	5	c/rs	36	85	8	8	7	3	7-8	9	1500	1004·6	+8	SSW	3	c	36	85	8	5	–	–	7-8	7-8	1500	1	2	$phprs_{q///}$	cq	cprsrq	$prs s_o$
15	Dalwhinnie ...	1006·2	+40	W	5	c	33	75	8	3	6	–	4-6	7-8	2500	1008·5	+14	SW	1	c	28	95	7	4	6	–	4-6	7-8	2500	7	*	cKs	RSc	*	cis
	Aberdeen ...	1000·6	+54	W	4	b/ps	34	95	8	9	–	–	1	1	1500	1006·5	+32	W'S	3	b	33	75	7	–	–	–	0	0	–	4	2	$pr_o psq$	$ps_o x b$	bbcz	$cr_o s$
	Wick ...	996·3	+60	NW	8	prs_o	35	85	7	5	7	–	4-6	7-8	1500	1003·5	+44	NW	5	c/ps	33	85	8	8	2	–	4-6	7-8	1500	6	3	$cprsq_{///}$	$cpsq_{///}$	cpsc	$crsrs$
16	Lerwick ...	985·7	+96	NW	8	c/phr	36	75	6	9	8	–	7-8	9+	800	997·0	+54	NW	8	c/s	30	85	7	9	8	–	4-6	7-8	800	6	*	$crsrq_{///}$	$cisq_{///}$	$cp_o hbc$	c
17	Blacksod Point	1014·6	–4	W	4	c	44	85	8	9	–	–	7-8	7-8	1500	1011·8	–18	W	4	bc	45	65	8	9	–	–	4-6	4-6	1500	1	3	prh_{eq}	$pr_o cq$	PHRq	PRHq
18	Malin Head ...	1010·1	+14	W'N	5	c/phr	44	95	7	3	–	9	7-8	7-8	2500	1008·2	–20	S'W	3	jp	40	95	6	8	–	–	10	10	800	1	4	bcbphr	cprpr	$cp_o hr$	c
	Aldergrove ...	1012·8	+22	W'S	5	c	41	75	8	5	3	–	7-8	7-8	4000	1011·3	–8	WSW	4	c	40	85	8	5	2	–	7-8	10	1500	1	*	bbcc	$cpr_o r_o c$	$cr_o RR$	$cRr_o s_o$
19	Birr Castle ...	1017·0	+8	SW	2	bc	44	75	8	5	4	–	2-3	4-6	2500	1015·0	–10	SW	1	bc/pr	41	95	8	6	3	–	2-3	4-6	1500	1	*	$b_{///}$bc	bcpr	prbc	bcxcpr
20	Valentia Obsy. †	1021·2	–2	W	4	b	48	65	8	2	–	1	1	1	2500	1019·2	–16	WSW	5	c	47	85	8	9	–	–	9+	9+	1500	1	4	$prp_o bcb$	$prp_o c$	cpr	cprc
	Roches Point	1020·4	+12	NW	4	bc	48	85	9	2	–	–	2-3	2-3	2500	1019·4	–6	W	3	c/pr	45	95	8	6	7	–	4-6	9+	1500	1	3	$bbc v_{///}$	$cpr_o c$	$coir_o$	cprbc

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_o, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s_o/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ◐ lunar halo. ///gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; + has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo-stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

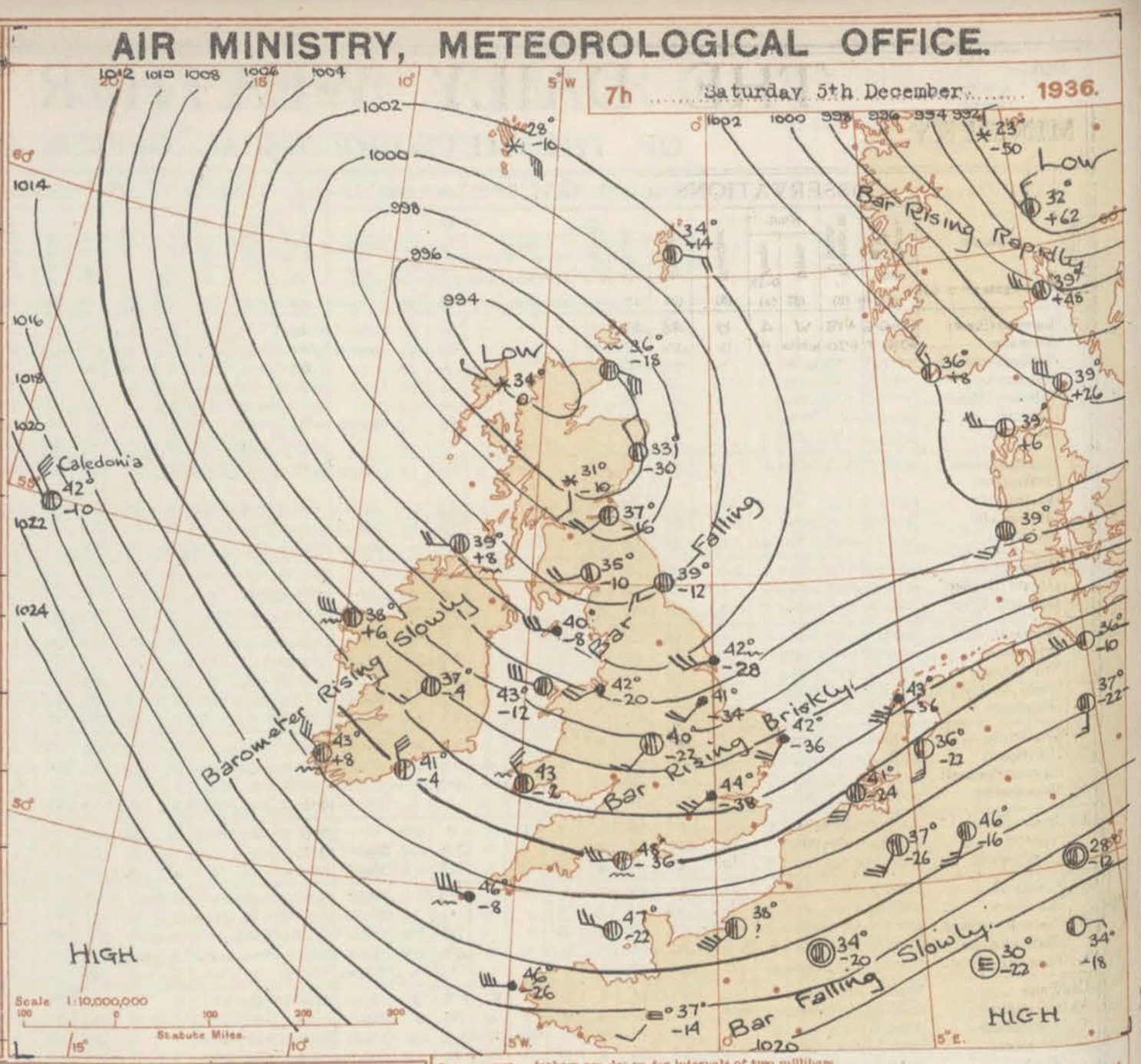
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 4th December, 1936.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F) Min. 9h. 3rd. to 9h. 4th.	Temperature (F) Max. 9h.—17h. 4th.	Rainfall (mm) Night. 17h. 3rd. to 9h. 4th.	Rainfall (mm) Day. 9h.—17h. 4th.	Sunshine (hrs) Sunrise to Sunset. 4th.
1	Tunbridge W.	b	b	46	48	–	–	6·7
	Bournemouth	b	bm	43	49	1	–	6·6
	Ventnor ...	pbz	bz	46	50	0·3	–	7·1
	Southsea ...	b	b	47	50	–	–	6·5
	Bognor Regis	b	b	46	50	–	–	7·0
	Littlehampton	b	b	47	51	0·6	–	7·2
	Worthing ...	b	b	48	51	Trace	–	7·3
	Brighton ...	b	bc	47	51	Trace	–	6·6
	Eastbourne†	bby	by	48	51	Trace	–	6·9
	Hastings† ...	b	b	48	53	–	–	6·8
	Folkestone ...	b	b	48	50	–	–	5·9
	Dover... ...	yb	b	49	52	–	–	6·7
	Deal	b	b	49	50	–	–	5·8
	Ramsgate ...	b	bbc	48	51	–	–	6·1
	Margate ...	bc	bc	45	49	–	–	6·4
2	Southend ...	b	b	45	50	0·3	–	6·2
	Maldon ...	b	b	47	49	–	–	6·3
	Clacton-on-Sea	b	b	46	48	–	–	6·3
	Dovercourt ...	rbv	bv	46	48	1	–	6·4
	Lowestoft ...	b	b	41	47	–	–	6·0
	Skegness ...	bpbqb	bqb	42	46	0·1	–	5·2
	Mablethorpe	bcb	bcbc	41	46	–	–	5·0
	Cleethorpes...	bc	bc	40	45	0·3	–	4·8
3	Leamington S.	b	b	44	47	0·6	–	5·5
4	Cheltenham†	b	b	41	50	1	–	6·3
5	Bath	b	b	45	49	1	–	6·6
	Weymouth ...	b	b	47	53	–	–	7·0
	Jersey ...	rcbc	bcb	49	53	2	–	6·6
	Torquay ...	b	b	46	55	–	–	7·1
	Penzance ...	cpb	b	48	53	2	Trace	5·9
	St. Ives ...	c	b	50	51	0·5	–	4·9
	Bude	bc	bc	46	52	2	–	5·0
	Ilfracombe ...	rocbc	bcc	48	50	3	–	5·4
6	Aberystwyth	prcbc	bccpr	47	50	3	0·5	5·4
7	Llandudno ...	cbc	bcb	45	48	0·6	–	3·5
	Colwyn Bay...	bcbbc	bcbbc	45	46	1	–	5·2
	Rhyl	bc	bcb	46	47	Trace	–	4·6
8	Wallasey ...	pbc	bcb	44	47	Trace	–	3·8
	Southport‖ ...	bbcb	bbc	44	47	0·6	–	4·2
	Blackpool ...	cbc	bcc	45	47	–	Trace	4·3
	Morecambe ...	hdbbc	bbcc	41	46	0·5	Trace	4·3
9	Ilkley... ...	cr	chc	39	44	1	1	2·6
	Harrogate ...	cbcq	bbcp	38	43	0·2	1	3·6
10	Berwick-on-T.	b	bbc	37	42	1	–	5·9
11	Dunbar ...	cr	bc	39	41	1	–	5·5
12	Troon... ...	chcqc	cqhc	38	46	1	4	0·0
	Douglas ...	bcq	cfhc	42	46	0·5	0·3	4·6

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



Districts.	Forecasts for the 24 hours commencing 12 noon, G.M.T. 5th Dec. 1936.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Moderate or fresh squally west to northwest wind, strong on coasts; bright periods; local wintry showers; cold.
5 S.W. England 6 South Wales ...	Fresh squally west to northwest wind; strong to gale on coasts; bright intervals; showers of rain, hail or sleet; snow on hills; local thunderstorms; cold.
7 North Wales ...	
8 N.W. England 9 N. Midlands ...	Fresh squally west to northwest wind; strong to gale on coasts; showers or hail, sleet or snow; local thunderstorms; cold.
10 N.E. England 11 S.E. Scotland	Moderate or fresh squally west to northwest wind; bright intervals, wintry showers; cold.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W. Scotland. 14 Mid Scotland	Fresh squally northwest wind; strong to gale on coasts; heavy showers of sleet or snow; local thunderstorms; cold.
15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate or fresh west to northwest wind; strong to gale on coasts; bright intervals, showers of rain, hail, sleet or snow; local thunderstorms; cold.

L.D.

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

Barometer. Isobars are drawn for intervals of two millibars.
Wind. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
Temperature is given in degrees F.
Weather Symbols:— Clear sky. Sky less than 1/8 clouded. Sky 1/8 to 3/8 clouded. Sky 3/8 to 5/8 clouded. Sky 5/8 to 7/8 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. T Thunder. ⱿThunderstorm. Slight haze.
Sea Disturbance. Rough. High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFEPENCE.

A deepening depression off Northwest Scotland will move southeast and then east. There will be heavy showers of snow or sleet in the North and local wintry showers in the South.

FURTHER OUTLOOK: Continuing cold.

North Cone at 0815 on 3rd in dist. 16 (Shetland)
South Cone at 0815 on 3rd in dists. 7,8,11,12,13,15, 16 (Orkney), 17,18 and 19. At 1115 on 3rd in dists. 2, 10, and Dogger Bank area. At 1950 on 4th in dists. 5 (part of), 6 and 20. At 0145 on 5th in dists. 1 and 5 (part of).

Forecasts issued at 1100 G.M.T. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

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

Morning of

SATURDAY
5TH DECEMBER.

1936.

Clarke's Projection. Scale 1: 4 X 10⁷ along meridian at 55° N.
Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

(a) = Calm.

TEMPERATURE is given in degrees .

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 5th December, 1936.
No. 27407.

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

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	1016·5	-30	SW	4	c	40	85	8	-	3	-	0	3	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1016·5	-28	SW	3	c	40	76	8	-	7	-	0	10	-
	Manston ...	142	1017·5	-30	SSW	3	c	40	75	8	-	7	-	0	10	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1015·0	-20	SW'S	4	o	39	85	6	6	-	-	10	10	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Hayford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1017·0	-28	W	4	bc	49	75	8	4	-	-	4-6	4-6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1018·0	-20	WSW	5	c	48	75	8	8	2	-	7-8	7-8	2500
	Scilly (St.Mary's)	163	1018·5	-30	WSW	6	c	49	75	8	5	1	-	4-6	7-8	2500
	Guernsey ..	175	1020·6	-24	W'S	2	c	47	76	8	8	-	-	10	10	2500
6	Pembroke ...	142	1012·0	-24	W	8	pr	47	75	7	8	-	-	9+	9+	2500
7	Holyhead ...	26	1008·0	-36	W'S	6	c/r	46	75	8	6	2	-	4-6	10	1500
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1003·1	-26	SW	5	o	42	85	6	5	-	-	10	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1006·7	-28	W	3	o	38	85	8	6	-	-	10	10	800
11	Inchkeith ...	190	1003·5	-16	S	2	c	37	95	8	5	-	-	7-8	7-8	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1006·0	-40	W	5	pr	42	95	7	6	-	-	10	10	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	997·1	-40	SE	6	r	37	95	7	5	2	-	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1002·1	-22	ESE	3	c	37	65	8	5	2	-	9	10	1500
16	Lerwick ...	156	1002·3	+10	NNW	5	c	31	85	8	6	7	-	4-6	7-8	800
17	Blacksod Point	18	1007·3	-22	NW	5	c	43	75	7	9	-	-	7-8	7-8	800
18	Malin Head ...	52	1001·7	-26	WSW	6	drizzle	43	85	7	8	-	-	7-8	7-8	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1011·9	+26	WSW	7	PR	46	95	7	0	-	-	10	10	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1009·1	-32	SW'S	4	c/c	45	85	8	6	2	-	7-8	10	1500	1	*
	Croydon ...	1009·3	-38	SW	5	c/c	44	85	7	6	7	-	1	9+	2500	1	*
	S. Farnborough	1009·3	-32	SW'W	4	c/c	44	85	7	6	2	-	9	10	1500	1	*
	Boscombe Down	1010·3	-28	WSW	4	c/c	43	85	6	6	2	-	10	10	1500	1	*
	Calshot (Sthmtn.)	1010·4	-40	SW'W	4	ir	47	85	8	8	7	-	4-6	9+	1500	1	3
	Lympne ...	1011·9	-32	SW'S	3	c	41	85	8	5	-	7	2-3	10	5700	1	3
	Manston ...	1010·5	-38	SSW	4	c	43	85	8	-	7	-	0	10	-	1	*
2	Shoeburyness ...	1009·8	-40	SW	4	c	45	75	8	5	2	-	9	10	1500	1	*
	Felixstowe ...																
	Gorleston ...																
	Mildenhall ...	1007·4	-36	SSW	4	c/c	42	85	6	6	-	-	10	10	1500	1	3
	Cranwell ...	1007·1	-30	SW'S	5	c/r	43	85	7	5	2	-	7-8	10	1500	1	*
3	Birmingham ...	1005·3	-34	SW'W	4	ir	41	95	7	3	1	-	4-6	10	1500	1	*
	Upper Hayford	1006·1	-22	SW	3	c/r	40	95	8	6	2	-	4-6	10	800	1	*
4	Ross-on-Wye	1007·6	-30	WSW	4	rr	40	95	6	6	2	-	7-8	10	800	1	*
5	Portland Bill ...	1006·0	-16	SW'W	2	ir	41	85	7	6	1	-	2-3	10	2500	1	*
	Plymouth ...	1009·8	-36	W	5	c	48	75	7	4	-	-	9	9	2500	1	4
	The Lizard ...	1012·1	-20	W	5	o/r	45	95	7	6	-	-	10	10	800	1	2
	Scilly (St.Mary's)	1013·2	-12	W'S	6	pr	46	85	8	8	2	-	7-8	9+	2500	1	3
	Guernsey ..	1014·2	-8	WNW	7	pr	46	85	8	8	7	-	4-6	10	1500	1	4
		1015·3	-22	W'N	5	c/pr	47	85	6	8	-	-	10	10	2500	1	3
6	Pembroke ...	1007·9	-2	NW	5	c/pr	43	85	7	5	7	-	7-8	9+	2500	1	4
7	Holyhead ...	1004·2	-12	WNW	6	c	43	75	8	2	5	-	7-8	7-8	2500	1	3
	Chester(Sealand)																
8	Manchester ...	1004·6	-20	WSW	4	ir	42	85	6	6	2	-	4-6	10	1500	1	*
		1003·5	-20	WSW	4	c/pr	39	95	7	8	7	-	4-6	10	1500	1	*
10	Spurn Head ...	1002·2	-28	SW	5	pr	42	95	6	5	-	-	10	10	1500	1	4
	Catterick ...																
	Tynemouth ...	1000·5	-20	WSW	3	c	39	85	7	5	7	-	7-8	10	1500	1	*
11	Inchkeith ...	1000·0	-12	WSW	3	o/r	39	85	7	6	-	-	10	10	800	1	2
	Leuchars ...	998·3	-16	SW	4	bc	37	95	8	5	-	-	4-6	4-6	4000	1	3
12	Renfrew (Abbotsl.)	997·0	-14	W	3	bc	32	95	8	5	-	-	4-6	4-6	2500	1	*
	Eskdalemuir ...	998·8	-4	W'N	1	c/ps	35	95	7	8	-	-	9+	9+	2500	1	*
	Point of Ayre...	998·5	-10	WSW	4	bc	35	85	8	5	-	-	4-6	4-6	1500	1	*
13A	Tiree	1001·8	-8	W'N	6	pr	40	95	8	6	-	-	10	10	1500	1	3
13B	Stornoway ...	994·7	0	WNW	1	s/s	34	95	6	5	2	-	7-8	10	1500	6	1
15	Dalwhinnie ...	996·3	-10	S	2	is	31	95	6	6	-	-	10	10	1500	7	*
	Aberdeen ...	995·6	-30	NW	2	c/rs	33	96	6	5	-	-	9+	9+	1500	5	1
	Wick ...	996·1	-18	ESE	7	rs	36	95	7	6	-	-	10	10	800	6	4
16	Lerwick ...	1000·7	-14	ENE	4	c	34	75	8	8	2	-	7-8	9	800	6	*
17	Blacksod Point	1008·8	+6	WNW	8	q	38	85	8	9	-	-	7-8	7-8	800	1	5
18	Malin Head ...	1000·2	+8	W	4	c	39	85	7	5	-	-	9	9	1500	4	4
	Aldergrove ...	1002·7	-4	WSW	4	rs	35	95	8	5	-	-	9	9	1500	1	*
19	Birr Castle ...	1007·7	-4	SW	3	c/pr	37	85	8	9	-	-	7-8	7-8	1500	1	*
20	Valentia Obsy. †	1013·9	+8	NW'W	6	c/pr	43	65	8	8	-	-	7-8	7-8	2500	1	5
	Roches Point	1012·0	-4	NNW	6	bc	41	55	8	8	-	3	2-3	4-6	1500	1	3

PAST 24 HOURS.

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

LONDON OBSERVATIONS

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

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.	Humidity. 15h. G.M.T %	Humidity. 9h. G.M.T %	Visibility 9h.
								Yesterday.			Yesterday.	To-day.	To-day.
Kew	18	bz by	by bz	bz c/r	49	39	33	-	0·2	6·2	*	*	7
Croydon	217	bc zby	by z	cz bcc/r	50	38	35	-	0·2	5·8	*	*	6
Greenwich (Royal Observatory) ...	149	by	by	bc dr	48	39	28	-	1	4·9	40	87	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	4·7	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	50	41	32	0·5		5·8	44	85	*
Regents Pk. (Botanic Gardens)† ...	168	*	*	*	49	41	37	-	1	6·0	48	87	*
Camden Square	110	b	b	*	49	41	34	-	1	*	*	85	*
Kensington	80	bz bc bz	bz	*	49	40	28	-	1	5·9	At 18h. 46	85	*
Hampstead Observatory	459	bc	bc	bmor	47	37	28	-	1	5·9	*	94	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington.	Max.	Time.	Min.	Time.
	0·6	16-21h 4th	<0·3	1-5h 5th

Kew Observatory.	Max.	Time.	Min.	Time.
	0·4	18h 4th	<0·1	1-7h 5th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 4th December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 5th December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1022·5	WNW	2	b	45	1018·6	-	0	Z_o	36
Brussels	1019·3	W	3	b	41					
Berlin	1010·4	WSW	3	c	43	1017·0	SW	3	Z_o	36
Zürich	1023·1	WSW	3	o	45	1021·1	-	*	Z_o	41
Rome	1016·5	-	0	b	46	1018·3	ENE	3	Z_o	37

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
52	30	0·4	-
50		1	
43	34	0·2	-
	41	Tr	1
*	*	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

Objects not visible at

0	Dense fog	55 yards.
1	Thick fog	220 ,,
2	Fog	550 ,,
3	Moderate fog	1,100 ,,
4	Mist or haze	1¼ miles.
5	Poor visibility	2½ ,,
6	Moderate ,,	6½ ,,
7	Good ,,	12½ ,,
8	Very good ,,	31 ,,
9	Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

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

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

y Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 6th December, 1936.
No. 27408.

Dist.	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 5th December														OBSERVATIONS at 18h. G.M.T. 5th December															PAST 24 HOURS.			
		Barom. at M.S.L.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	°Temp.	%Humid.	Visibility 0–9	Cloud. Form. Low	Form. Med.	Form. High	Amount. Low 0–10	Amount. Total 0–10	Height of Base (feet)	Barom. at M.S.L.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	°Temp.	%Humid.	Visibility 0–9	Cloud. Form. Low.	Form. Med.	Form. High	Amount. Low 0–10	Amount. Total 0–10	Height of Base (feet)	State of Ground. 0–9	Sea. 0–9	Weather. 7h.–13h. 5th	13h.–18h. 5th	18h. 5th to 1h. 6th	1h.–7h. 6th
		mb.														mb.																		
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)
1	London (Kew)	1006·6	−8	W	4	c	44	55	8	8	–	3	7-8	7-8	2500	1008·8	+14	WSW	4	b	40	65	7	–	–	–	0	0	–	1	*	cr bec	pr kq b	bbc b	cpspr6
	Croydon ...	1006·6	−8	W	5	c	44	65	6	2	–	–	7-8	7-8	2500	1008·4	+6	WSW	4	z_o	39	75	6	–	–	–	0	0	–	1	*	cr ir r m	pr phrq b	bz pr bbc	bx fps q
	S. Farnborough	1007·4	−6	W'N	4	bc	45	65	8	2	4	–	4-6	4-6	2500	1009·2	+8	W	4	b	38	65	8	–	–	–	0	0	–	1	*	or r bc	bcy q phb	bbc pr s b	b, cprs
	Boscombe Down	1008·2	−12	W'N	5	bc	43	65	8	8	7	–	4-6	4-6	1500	1010·2	+10	W	5	b	37	65	8	5	–	–	Tr	Tr	2500	1	*	cr r bc	bcb	bbc b	bbc b
	Calshot (Stlmtn.)	1008·9	−4	W	5	c	44	75	8	8	8	3	4-6	7-8	1500	1011·1	+12	W'S	3	b	39	75	8	–	–	–	0	0	–	1	2	cr pr q	bcb	b	bbc q pr b
	Lympne ...	1006·4	−12	W	4	c	44	85	8	6	7	–	4-6	7-8	800	1009·2	+16	W	4	b	37	75	8	–	–	–	0	0	–	1	S 3	cp rr r c	bc c pr b	bx	pr s s b x
	Manston ...	1004·9	−22	W	4	c/r	43	85	7	5	7	–	4-6	7-8	1500	1007·8	+14	W	4	bc	37	75	6	–	7	–	0	2-3	–	1	"	or r s	cpr b cm s	bz q bc	cprsb
2	Shoeburyness ...	1005·8	−20	W'S	4	c	44	75	6	9	7	–	4-6	7-8	1500	1007·3	+16	W	4	z_o	39	75	5	–	–	–	0	0	–	1	*	rr ir c	p s b m s	bm o pr x	b x c ir s
	Felixstowe ...																																		
	Gorleston ...	1003·2	−18	SW'W	4	ir s	43	85	6	6	–	–	10	10	2500	1003·8	+6	SW'W	4	b	37	85	6	–	–	–	0	0	–	1	3	or ir	cir b	b c p s x	o x l is s
	Mildenhall ...	1004·1	−10	W	4	bc	42	75	8	5	7	–	Tr	2-3	2500	1005·3	+6	WSW	4	b	37	85	7	–	–	–	0	0	–	1	*	cr r s pr b c	bbc b	bbc b	bc p s c
	Cranwell ...	1003·7	−2	W	5	c/pr	38	85	7	8	7	3	4-6	7-8	2500	1004·3	+1	W	5	bc/ps	32	95	5	9	–	–	4-6	4-6	800	7	*	cir pr s	q ps q PS	cq ps	c s s b c x
3	Birmingham ...	1005·9	−2	WNW	4	bc	40	75	6	8	–	–	4-6	4-6	2500	1006·8	+4	W	5	b/pr	34	85	8	1	–	–	1	1	1500	1	*	cprs bc	bc ps	cps	crs
	Upper Heyford	1006·6	−4	W'N	5	bc	41	75	8	9	7	–	2-3	4-6	2500	1008·4	+10	W'N	5	is_o	36	85	7	5	–	–	7-8	7-8	1500	1	*	crr ep bc	bcc	cirs	cq irs
4	Ross-on-Wye	1007·9	0	W	4	bc/pr	40	75	8	9	–	3	2-3	2-3	2500	1009·0	+6	W	4	b/ps	37	65	8	3	–	–	1	1	2500	1	*	cb cc p	bc p g p rs	. bq	bc q p b q
5	Portland Bill ...	1009·6	−2	WNW	6	c	45	75	7	4	–	–	7-8	7-8	2500	1011·9	+20	WNW	6	bc	43	85	7	4	–	–	4-6	4-6	2500	1	4	cpr	cpr	prc	cprc
	Plymouth ...	1012·7	+2	NW'W	5	bc/pr	46	65	8	9	–	3	4-6	4-6	1500	1015·2	+10	WNW	4	bc	42	75	7	3	–	3	2-3	2-3	1500	1	3	cq pr bc	bc pr s h b	cpr s prb	bbc pr o pr
	The Lizard ...	1014·9	+10	WNW	7	jp	45	65	8	8	–	–	4-6	4-6	2500	1017·2	+10	W	7	bc	45	65	8	8	–	–	4-6	4-6	2500	1	3	prcbc	bcpr	bcprq	bcprr
	Scilly (St.Mary's)	1016·1	+8	NW'W	7	q	47	75	8	8	–	–	4-6	4-6	1500	1018·0	+12	WNW	7	bc/pr	44	75	8	8	–	–	4-6	4-6	1500	1	4	phr q bc	phrq	bcpq	bcphq
	Guernsey ...	1013·3	−4	WNW	5	q	48	65	7	8	–	–	7-8	7-8	2500	1015·6	+16	NW'W	5	bc/phr	44	75	8	8	–	–	4-6	4-6	1500	1	4	cPHR	q PHR	cq phr	q phrc
6	Pembroke ...	1009·7	+10	NW	8	q	44	65	8	8	–	–	7-8	7-8	2500	1011·4	+10	NW	8	q	44	85	7	8	6	–	4-6	7-8	2500	1	4	cq prc	cq	cq prbc	bccq
7	Holyhead ...	1005·0	−2	WNW	8	c	42	75	8	2	–	5	7-8	7-8	2500	1005·5	+8	NW	8	bc	41	65	8	2	–	–	4-6	4-6	2500	1	4	cbcc	cprb	phc	cprc
	Chester(Sealand)	1004·4	0_o	W'S	5	bc	43	65	7	3	–	–	4-6	4-6	2500	1004·7	+2	W'S	6	c/ps	39	65	7	9	–	–	7-8	7-8	2500	1	*	cprprh	pR hpRsq	bcph PRhq	cphpm
8	Manchester ...	1003·3	−6	W'N	4	phr	40	75	6	8	–	–	7-8	7-8	2500	1002·9	+2	WNW	4	c/ps	35	85	7	9	–	–	9-	9-	1500	6	*	cprph	phq tlhpsc	PSh ps	crsrsbc
10	Spurn Head ...	1000·1	−8	WSW	5	c	41	95	6	5	1	1	2-3	10	1500	1000·4	0	SW'W	5	bc	35	95	7	–	1	–	0	2-3	–	0	4	pr e	cq bc	bscqc	cq prs
	Catterick ...	999·0	−14	W	4	c/ps	39	75	8	3	7	3	4-6	7-8	2500	998·2	−12	W'S	4	bc/ps	33	85	7	8	–	–	4-6	4-6	1500	6	*	cq prs	q prsps	bccps	cbc
	Tynemouth ...	997·0	−20	W	4	bc	38	85	7	2	–	–	4-6	4-6	1500	995·6	−4	W	4	bc	35	85	6	2	–	–	2-3	2-3	1500	1	2	pcbc	bc	bcb	bc
11	Inchkeith ...	996·2	−10	WSW	4	c	37	95	7	8	–	–	7-8	7-8	2500	993·9	−6	SW	5	c	36	95	8	5	2	–	4-6	7-8	2500	1	4	bccprs	cprsq	cbc	bc
	Leuchars ...	994·7	−18	SW	5	bc	38	75	8	8	3	3	2-3	4-6	2500	993·4	−4	SW	5	bc	32	85	7	4	–	–	2-3	2-3	2500	4	*	bcxbc	bcq x	bcbx	bbcx
12	Renfrew (Abbots I.)	997·9	+10	WSW	5	is_o	34	95	5	5	–	–	10	10	1500	996·7	−2	W	4	$s_o s_o$	34	95	5	5	–	–	10	10	800	1	*	cpr o ps	cmq s o s o	ps q cbc	bc
	Eskdalemuir ...	998·3	−4	W	3	ss	32	95	3	–	2	–	10	10	4150	996·0	−8	W	5	is	31	85	5	6	–	–	7-8	7-8	450	7	*	csbcss	ssqbcq	ssl bc	bcb
	Point of Ayre...	1001·7	+6	WNW	7	c	40	95	8	2	6	–	4-6	7-8	2500	1001·3	+4	NW'W	8	PHR	38	95	8	9	–	–	4-6	4-6	2500	1	5	phrc	cphrl	prskl	copr
13A	Tiree	996·3	0	NW'W	7	c	39	75	7	3	3	3	7-8	7-8	1500	996·7	+2	NW'W	8	c	39	75	7	3	7	3	9	9+	1500	1	5	pSrs	pRs	PRhr	cprs
13B	Stornoway ...	992·5	−8	SSW	4	−5	35	95	7	5	2	–	7-8	10	1500	991·4	−2	WSW	1	bc	36	85	8	8	7	–	2-3	4-6	1500	6	1	[illegible]	cps bc	bcl pr o	clprspR
15	Dalwhinnie ...	995·2	−10	S	3	c	31	95	7	4	6	–	4-6	9	2500	994·1	0	SW	2	bc	29	95	7	4	–	–	2-3	2-3	2500	7	*	cis	ciso	*	bccis
	Aberdeen ...	992·6	−22	W	2	c	35	75	8	3	–	3	Tr	7-8	2500	991·8	−6	W	2	z_o	32	75	6	–	–	3	0	2-3	–	4	1	cmbbc	bcbz s	bbc	cpsc
	Wick ...	993·2	−8	E	6	ss	33	95	5	5	–	–	10	10	800	989·9	+2	E	8	RR	37	95	6	6	2	–	7-8	10	800	3	5	irs ss	ss RR	crr	c
16	Lerwick ...	997·3	−20	ENE	6	c	35	75	8	8	–	–	9+	9+	1500	997·1	0	ENE	6	c	38	85	8	8	2	–	7-8	10	800	6	*	c	c	cprbc	c
17	Blacksod Point	1010·8	+10	WNW	7	q	40	65	7	9	–	–	7-8	7-8	800	1012·1	+10	WNW	8	q	40	75	7	9	–	–	7-8	7-8	800	7	5	PHSq	PHSq	PHSq	
18	Malin Head ...	1000·4	−4	NW'W	6	q	39	95	7	8	–	–	4-6	4-6	2500	1001·3	−4	NNW	7	q	37	95	6	8	–	–	7-8	7-8	1500	1	5	cq phr	cq phr	cq phr	cq phr
	Aldergrove ...	1003·3	−8	W	5	c/ps	35	85	7	9	–	–	7-8	7-8	1500	1003·7	+4	WNW	5	bc/ps	35	75	8	3	–	–	2-3	2-3	1500	6	*	ps bc cps	cPSfq	bccps	cprh b
19	Birr Castle ...	1010·6	+2	W	3	c	39	75	8	8	1	–	4-6	7-8	2500	1011·3	+4	WNW	3	bc/pr	34	95	8	3	–	–	2-3	2-3	2500	1	*	cprc	cbcpr	bccprs	c
20	Valentia Obsy. †	1017·6	+6	NW	5	bc	44	65	8	8	–	–	4-6	4-6	2500	1019·3	+10	NW	6	bc	44	55	8	3	–	–	4-6	4-6	2500	1	5	phrq phrbc	phrbc	bccphr o	cphprc
	Roches Point	1014·8	+2	NW	5	bc	42	95	8	3	–	–	4-6	4-6	1500	1016·0	+12	NW	5	bc	40	95	8	3	–	–	4-6	4-6	1500	1	3	pr o ps o bc	prsqbc	prqbc	prqbc

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.
ip, 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_o, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⌿ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; + has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo-stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

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

† Sea disturbance reported from Dunganess.

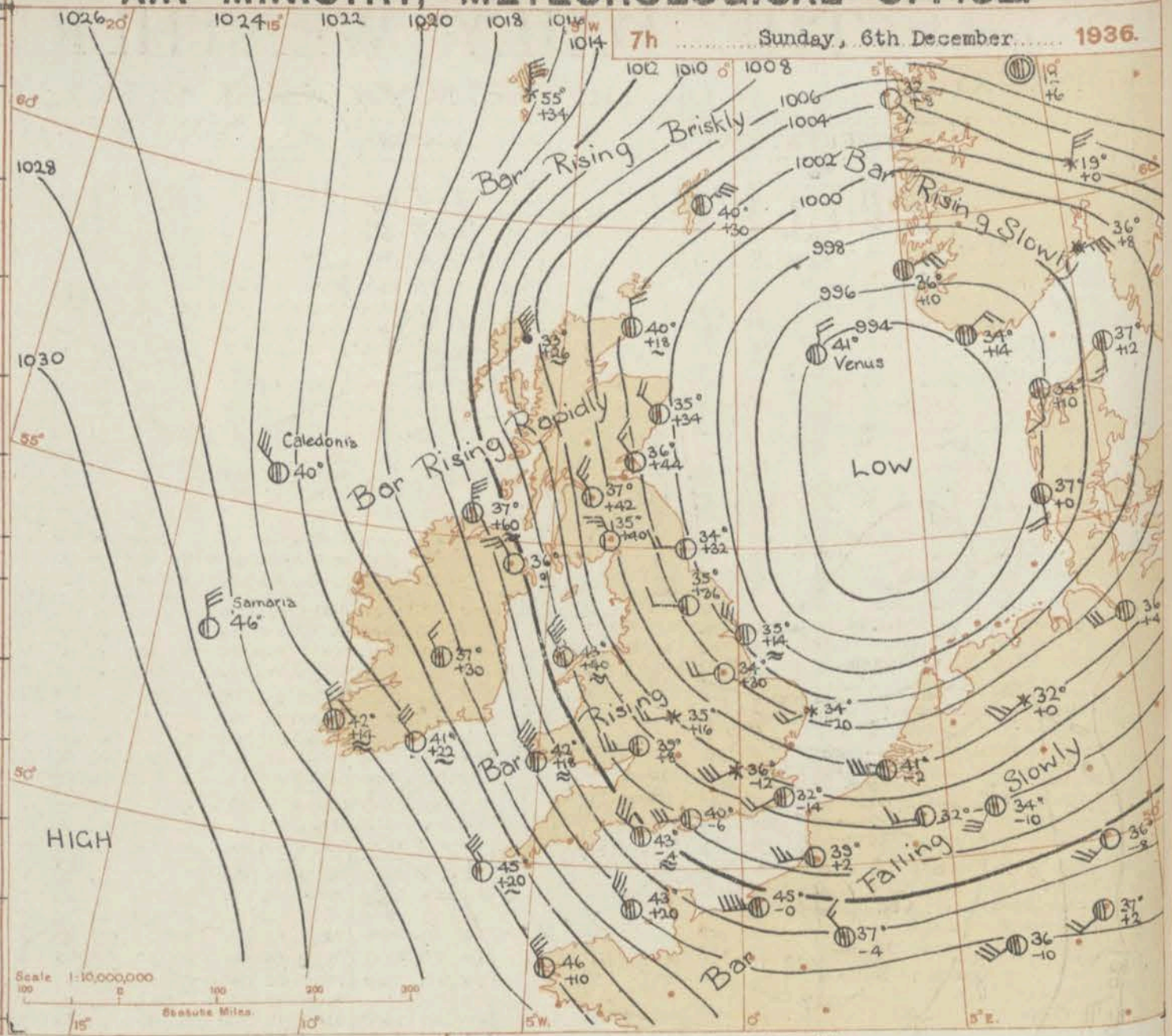
REPORTS from HEALTH RESORTS for 5th December 1936.

Districts	Stations	Weather. Forenoon.	Weather. Afternoon.	Temperatures (F) Min. 9h. 4th to 9h. 5th	Temperatures (F) Max. 9h.—17h. 5th	Rainfall (mm) Night. 17h. 4th to 9h. 5th	Rainfall (mm) Day. 9h.—17h. 5th	Sunshine Sunrise to Sunset. 5th
1	Tunbridge W.	opc	bcpc	31	43	0·3	0·5	1·9
	Bournemouth	rob	b	39	44	0·5	0·5	4·0
	Ventnor ...	or	cbphc	42	46	6	0·5	3·7
	Southsea ...	cr	bcb	40	45	2	1	4·1
	Bognor Regis	prc	bcbbc	40	45	3	Trace	3·1
	Littlehampton	orcbc	bcb	37	46	3	1	2·5
	Worthing ...	orc	b	37	45	3	0·3	3·0
	Brighton ...	dc	cb	37	47	2	0·2	3·2
	Eastbourne†	oroc	cbcb	40	49	3	0·5	2·2
	Hastings† ...	orore	bcbcb	40	48	2	2	2·4
	Folkestone ...	xore	bcerb	36	45	0·4	1	2·2
	Dover... ...	roc	cbcpb	39	47	1	0·5	1·2
	Deal	r₀o	cbc	38	46	–	0·5	2·1
	Ramsgate ...	ccrbc	bcc	39	45	1	0·5	1·3
	Margate ...	cd	bcp	38	45	1	0·2	1·2
2	Southend ...	oc	cpbcb	39	47	2	0·3	1·2
	Maldon ...	robc	cbcc	34	45	1	–	1·4
	Clacton-on-Sea	oirc	cqhbc	39	45	Trace	0·6	1·3
	Dovercourt ...	roc	broc	38	44	0·4	0·5	1·3
	Lowestoft ...	cr	bcchr	36	43	2	1	0·8
	Skegness ...	repc	bqPS	36	42	1	0·6	2·4
	Mablethorpe	ocpc	cbcc	35	42	Trace	Trace	2·0
	Cleethorpes ...	or	bc	37	41	0·5	–	2·1
3	Leamington S.	obc	c	38	42	2	–	3·6
4	Cheltenham†	cirhc	cips	39	42	4	1	2·4
5	Bath	cbcb	pcbcb	39	44	7	Trace	3·8
	Weymouth ...	cb	ph₀b	39	48	0·3	Trace	3·5
	Jersey ...	pcrqc	cbcpc	42	49	1	5	2·0
	Torquay ...	cpbc	bcrp	39	47	2	1	4·3
	Penzance ...	rcbcb	bp₀bc	43	48	4	Trace	4·4
	St. Ives ...	pr	pr	42	51	6	0·5	2·4
	Bude	bcprh	bcprh	46	49	7	1	2·5
	Ilfracombe ...	pocbc	cbcph	45	47	9	1	1·4
6	Aberystwyth	cprh	cprh	36	44	4	2	1·1
7	Llandudno ...	ch₀bc	ch₀rs	41	43	5	0·3	2·1
	Colwyn Bay...	bcpbc	bcchc	40	43	10	1	2·4
	Rhyl	bccph	cqiph	40	43	7	0·2	2·3
8	Wallasey ...	cih	bcihc	39	43	7	2	1·2
	Southport‖ ...	bcPH	iHsq	40	42	3	3	1·3
	Blackpool ...	c	cph	39	42	11	0·5	1·3
	Morecambe ...	hsrbc	bbcch	38	42	7	1	2·3
9	Ilkley	cprs	c	35	39	30	1	1·5
	Harrogate ...	cbphs	cbphs	35	40	18	0·5	3·4
10	Berwick-on-T.	bc	bc	38	40	–	–	2·8
11	Dunbar ..	bcx	bc	34	38	1	–	3·9
12	Troon... ...	crchc	qscqc	37	42	5	2	0·0
	Douglas ...	bcq	cbph₀	34	45	6	Trace	3·5

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Sunday, 6th December ..... 1936.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:— Clear sky. Sky less than ⅛ clouded. Sky ⅛ to ⅝ clouded. Sky ⅝ to ⅞ clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
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 December 1936.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Fresh or strong squally west to northwest wind, gale at times on coasts, moderating later; occasional showers of rain sleet or snow; bright intervals; cold or rather cold.
5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ...	Strong to gale northwest wind, moderating later; occasional showers of rain, hail, sleet or snow; local thunderstorms; some bright intervals; cold or rather cold.
10 N.E. England 11 S.E. Scotland	Moderate or fresh squally west to northwest wind; gale at times on coasts; moderating later; local wintry showers; cold.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. / B.N.W.Scotland.	As 5 - 9.
14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Fresh squally northerly wind, gale at times on coasts, backing and moderating later; showers of hail, sleet or snow; cold.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Fresh or strong squally north to northwest wind, gale at times on coasts, backing and moderating later; showers of rain, hail, sleet or snow; local thunderstorms; cold, temperature rising gradually

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

GENERAL INFERENCE.

A depression over the North Sea is moving slowly east-southeast, followed by a wedge of high pressure west of Ireland. There will be occasional showers of rain, hail, sleet or snow with some bright intervals. Conditions will continue cold or rather cold, but will tend to become milder in the West.

FURTHER OUTLOOK.

Bright periods; local wintry showers; temperature rising in the West.

TIMES OF ISSUE OF GALE WARNINGS.

North cone hoisted at 0815 on 3rd in district 16 (Shetland.)
South cone lowered and North cone hoisted in all other districts at 0815 on 6th.

Forecasts issued at 1100 G.M.T.

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

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

Morning of

SUNDAY,
6TH. DECEMBER.

1936.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = 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, 6th December, 1936.
No. 27408.

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

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	1008·0	-10	WSW	5	bc	37	75	8	3	-	-	4-6	4-6	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1005·4	-6	W'S	3	b	33	75	8	-	-	-	0	0	-
	Manston ...	142	1007·7	-10	WSW	4	bc	35	76	8	5	-	-	4-6	4-6	4000 1500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1004·0	-6	SW'W	4	bc	34	85	7	-	4	-	0	2-3	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1012·1	-6	WNW	6	c	43	75	8	4	-	-	7-8	7-8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1017·9	0	W'N	7	q	45	65	6	3	-	-	2-3	2-3	2500
	Scilly (St.Mary's)	163	1019·9	+6	NW'W	7	jp	43	85	8	8	-	-	4-6	4-6	1500
	Guernsey ..	175	1016·4	-2	NW'W	5	q	44	65	8	2	-	-	2-3	2-3	1500
6	Pembroke ...	142	1012·0	+4	NW	10	q	42	95	7	8	-	-	4-6	4-6	2500
7	Holyhead ...	26	1004·8	-6	WNW	9	c	41	75	8	8	-	-	7-8	7-8	2500
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	999·3	-2	W'S	6	c	35	95	7	5	7	-	4-6	9	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	994·5	-8	W	4	b	34	85	8	-	-	-	0	0	-
11	Inchkeith ...	190	995·0	+2	SW	3	bc	35	95	7	5	-	-	4-6	4-6	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	997·9	-86	NW'W	9	prs	39	95	7	6	-	-	10	10	800
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1001·2	+52	N	3	bc/pr	36	95	8	8	7	-	2-3	4-6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	995·6	+30	E	8	c/r	40	85	8	6	2	-	7-8	10	800
16	Lerwick ...	156	999·0	+12	NE	7	c	37	65	8	8	2	-	7-8	9+	1500
17	Blacksod Point	18	1017·5	+32	NNW	8	q	39	66	7	9	-	-	9	9	800
18	Malin Head ...	52	1001·4	+20	NNW	7	c/phr	43	95	6	9	-	-	7-8	7-8	800
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1021·8	+10	NW	6	PHR	45	85	8	9	-	-	7-8	7-8	1500
	Roches Point	92	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 * (30)
1	London (Kew)	1007·1	-4	W'S	5	prs	37	75	8	6	-	-	10	10	1500	1	*
	Croydon ...	1006·7	-12	WSW	6	ps₀	36	75	7	9	-	-	9+	9+	1500	1	*
	S. Farnborough	1008·0	-2	W	5	prs	37	66	6	9	-	-	10	10	1500	6	*
	Boscombe Down	1009·9	-6	W'N	6	bc	38	65	8	5	-	-	4-6	4-6	1500	1	*
	Calshot (Sthmtn.)	1010·3	-6	W	6	bc	40	65	8	8	3	-	2-3	4-6	4000	1	3
	Lympne ...	1007·7	-14	WSW	4	c	32	85	8	9	3	6	4-6	7-8	2500	3	3
	Manston ...	1005·3	-27	SW'W	4	c	34	75	8	5	1	6	2-3	9+	4000	1	*
2	Shoeburyness ...	1004·9	-24	W	5	c/r	37	65	7	8	2	-	4-6	9	1500	1	*
	Felixstowe ...																
	Gorleston ...																
	Mildenhall ...	1000·2	-20	WSW	4	rs₀	34	85	6	6	-	-	10	10	1500	6	3
	Cranwell ...	1002·1	-2	W'N	5	c	35	95	7	6	-	-	7-8	7-8	1500	1	*
		1002·4	+30	W	4	b	34	85	7	5	-	-	1	1	2500	4	*
3	Birmingham ...	1005·7	+16	W	3	psh	35	95	8	9	-	-	9	9	1500	3	*
	Upper Heyford	1007·0	+8	W'N	5	is₀	34	93	7	6	-	-	7-8	7-8	800	6	*
4	Ross-on-Wye	1008·8	+8	W	5	q	39	75	8	8	-	-	2-3	2-3	2500	1	*
5	Portland Bill ...	1011·9	-4	NW	7	c	43	75	7	4	2	-	7-8	9	2500	1	5
	Plymouth ...	1017·5	+18	WNW	5	pr₀	43	65	7	9	-	-	9+	9+	1500	1	3
	The Lizard ...	1019·9	+10	WNW	8	q	43	65	8	8	7	-	4-6	7-8	2500	1	4
	Scilly (St.Mary's)	1022·3	+20	NW'N	6	bc/pr	45	65	8	8	-	-	4-6	4-6	1500	1	4
	Guernsey ..	1017·1	+20	NW	7	c/pr	43	65	7	8	-	-	7-8	7-8	1500	1	5
6	Pembroke ...	1014·6	+18	NW	11	q	42	95	7	8	-	-	7-8	7-8	2500	1	3
7	Holyhead ...	1008·7	+40	NW'N	9	c	43	85	8	8	-	-	9+	9+	2500	1	5
	Chester(Sealand)	1004·8	+34	W	6	pr₀	42	75	5	9	-	-	9	9	1500	1	*
8	Manchester ...	1003·8	+40	NNW	4	bc	37	85	7	8	3	-	2-3	4-6	2500	2	*
10	Spurn Head ...	999·3	+14	NW'W	6	bc	35	95	7	5	1	-	1	2-3	2500	1	5
	Catterick ...	1001·3	+36	W	2	bc	35	75	7	5	-	-	4-6	4-6	2500	6	*
	Tynemouth ...	999·5	+32	W	3	bc	34	75	7	2	-	-	2-3	2-3	1500	4	2
11	Inchkeith ...	1002·8	+30	W	4	bc	39	85	8	5	-	-	4-6	4-6	4000	0	3
	Leuchars ...	1002·3	+44	NW	3	bc	36	75	8	5	-	8	4-6	4-6	4000	1	*
12	Renfrew (Abbotsl.)	1005·2	+42	NW	5	bc	37	75	8	5	-	-	4-6	4-6	2500	6	*
	Eskdalemuir ...	1003·0	+40	NNW	6	bc	35	75	8	5	-	-	1	1	2500	7	*
	Point of Ayre...	1005·8	+44	N'W	6	pr₀	41	95	8	6	-	-	10	10	1500	1	4
13A	Tiree	1011·3	+40	NNW	8	c	39	75	7	8	-	-	7-8	7-8	2500	0	*
13B	Stornoway ...	1006·1	+26	NNW	9	pr₀	33	95	7	8	7	-	4-6	7-8	2500	6	4
15	Dalwhinnie ...	*	+40	WNW	3	is₀	32	95	6	6	-	-	10	10	1600	7	*
	Aberdeen ...	1001·2	+34	NW'W	4	c	35	95	7	9	-	-	7-8	7-8	1600	8	1
	Wick ...	1001·6	+18	N	4	c	40	65	8	8	1	-	4-6	7-8	1500	1	4
16	Lerwick ...	1003·2	+30	NE	7	c	40	85	8	8	8	-	7-8	9+	800	1	*
17	Blacksod Point																
18	Malin Head ...																
	Aldergrove ...	1019·8	+60	N	7	c/phr	37	95	7	8	-	-	9	9	1500	1	6
		1012·8	*	NW'N	5	b/phr	36	75	8	3	4	-	1	1	1500	3	*
19	Birr Castle ...																
20	Valentia Obsy. †	1018·6	+30	NW	3	c	37	75	8	8	-	-	7-8	7-8	2500	1	*
	Roches Point	1025·6	+14	NNW	6	c/phr	42	65	8	8	-	-	9+	9+	2500	1	5
		1022·3	+22	NW	6	bc	41	65	8	3	-	-	2-3	2-3	1500	1	4

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 5th. Hrs. (36)
1	London (Kew)	45	34	30	0·4	0·4	2·5
	Croydon ...	44	33	29	2	0·3	1·9
	S. Farnborough	46	34	28	1	0·2	3·0
	Boscombe Down	43	35	30	2	-	4·0
	Calshot (Sthmtn.)	48	36	32	1	0·3	3·9
	Lympne ...	44	31	26	1	Tr	2·0
	Manston ...	46	32	29	1	1	1·4
2	Shoeburyness ...	45	32	28	2	0·2	1·0
	Felixstowe ...						
	Gorleston ...						
	Mildenhall ...	43	32	31	2	0·2	0·8
	Cranwell ...	43	33	30	1	Tr	1·6
		41	31	29	4	1	2·1
3	Birmingham ...	41	30	28	1	2	4·0
	Upper Heyford	42	31	30	1	2	*
4	Ross-on-Wye	43	35	31	1	0·1	2·8
5	Portland Bill ...	49	40	*	1	Tr	*
	Plymouth ...	47	39	36	1	3	3·9
	The Lizard ...	47	40	*	1	1	*
	Scilly (St.Mary's)	47	42	*	2	1	4·6
	Guernsey ..	49	40	36	3	3	1·2
6	Pembroke ...	45	38	*	0·4	Tr	3·1
7	Holyhead ...	43	39	38	0·2	0·2	2·9
	Chester(Sealand)	43	39	32	2	4	4·5
8	Manchester ...	42	34	31	5	5	1·2
10	Spurn Head ...	43	32	*	0·2	1	1·1
	Catterick ...	40	30	29	3	·1	3·4
	Tynemouth ...	40	32	28	-	-	3·1
11	Inchkeith ...	39	33	30	1	-	1·8
	Leuchars ...	39	28	20	-	-	2·8
12	Renfrew (Abbotsl.)	39	32	27	5	2	0·9
	Eskdalemuir ...	37	28	21	7	1	1·1
	Point of Ayre...	41	35	*	1	8	1·7
13A	Tiree	41	36	31	4	A.	0·0
13B	Stornoway ...	37	30	*	5	2	0·0
15	Dalwhinnie ...	32	19	14	3	2	0·1
	Aberdeen ...	38	28	22	-	2	2·9
	Wick ...	39	36	*	24	4	*
16	Lerwick ...	38	33	*	-	Tr	0·0
17	Blacksod Point			*	2·0		*
18	Malin Head ...	45	34	*	2	2	0·0
	Aldergrove ...	37	32	30	1	4	0·9
19	Birr Castle ...						
20	Valentia Obsy. †	40	34	34	0·4	0·3	3·3
	Roches Point	46	41	36	3	0·4	1·8
		44	33	*	1	2	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs.	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
KEW	18	cr₀bcc	pr₀kqb	cpsprs	46	34	30	0·4	0·4	2·5	*	*	8
CROYDON	217	cr₀ir₀m₀	ps phr₀qbbr, cps₀q		44	33	29	2	0·3	1·9	*	*	7
GREENWICH (Royal Observatory)	149	r₀c	cq prh, bbcrsbr₀c		45	33	27	1	1	0·7	81	68	5
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·5	*	*	*
WESTMINSTER (St. James' Park)	27	*	*	*	45	35	30	1·8		1·4	75	*	*
REGENTS PK. (Botanic Gardens)†	168	*	*	*	45	33	31	0·6	1·0	1·2	73	92	*
CAMDEN SQUARE	110	cr c	cc rsb	*	44	33	28	1	2	*	*	91	*
KENSINGTON	80	bccosbr	bc	*	*	34	27	0·5	0·8	1·2	At 18h.	82	*
HAMPSTEAD OBSERVATORY	450	bcp	bcors	osx	42	30	26	0·1	1·7	1·6	75	94	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·6	16-18h 5th	<0·3	0-2h 6th

Kew Observatory. Max.	Time.	Min.	Time.
0·2	17h 5th	<0·1	0-7h 6th

FOREIGN OBSERVATIONS.

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

Stations	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1012·9	W	4	bc/d	43
BRUSSELS	1007·5	W	4	b	39
BERLIN	1010·9	S'E	4	c	36
ZÜRICH	1017·6	WSW	5	c	45
ROME	1018·1	SE	5	c	55

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

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1014·6	NW	3	c/pr	37
1008·1	W	3	bc	32
1009·1	SW	4	bc	36
1020·6	WSW	2	c	36
1015·9	SSE	4	c	54

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
45	36	1	1
41	32	-	-
39	36	-	1
*	*	-	2
*	*	-	2

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 —Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 7th December, 1936.
No. 27409.

District.	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 6th December														OBSERVATIONS at 18h. G.M.T. 6th December														PAST 24 HOURS.			
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	°Temp. F.	%Humid.	Visibility 0–9	Cloud. Form. Low	Cloud. Form. Med.	Cloud. Form. High	Cloud. Amount. Low 0–10	Cloud. Amount. Total 0–10	Height of Base (feet)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	°Temp. F.	%Humid.	Visibility 0–9	Cloud. Form. Low.	Cloud. Form. Med.	Cloud. Form. High.	Cloud. Amount. Low 0–10	Cloud. Amount. Total 0–10	Height of Base (feet)	State of Ground. 0–9	Sea. 0–9	Weather. 7h.—13h. 6th	Weather. 13h.—18h. 6th	Weather. 18h. 6th to 1h. 7th	Weather. 1h.—7h. 7th
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)
1	London (Kew)	1012·1	+22	WNW	5	c	40	75	6	4	-	-	7-8	7-8	1500.	1017·6	+34	WNW	4	b	39	65	7	-	-	-	0	0	-	1	*	cprs.	bcz.b.	b	bx
	Croydon ...	1011·9	+22	WNW	5	Zo	39	85	6	9	-	-	9+	9+	1500	1016·9	+26	WNW	4	b	37	75	6	-	-	-	0	0	-	1	*	cs.ps.	cz.b.	bbcz.x	bcxcbx
	S. Farnborough	1013·4	+30	NW'N	5	c/pr	40	65	8	8	1	1	4-6	7-8	1500.	1018·1	+28	W	3	b	37	75	7	-	-	-	0	0	-	1	*	cpr.	bcb.	b	bx
	Boscombe Down	1015·2	+30	NW'N	5	c	40	65	8	5	-	-	9	9	1500.	1019·0	+16	NW	5	bc	37	65	8	5	-	-	2-3	2-3	1500	1	*	bccv.	cvbcb.	b	bbc
	Calshot (Sthmtn.)	1014·4	+22	WNW	6	c	43	65	8	8	8	-	4-6	7-8	2500.	1019·5	+34	WNW	5	c	40	65	8	5	-	-	7-8	7-8	2500	1	3	bccbc.	bc.	bcb	bqb
	Lympne ...	1009·8	+14	NNW	5	Zo	38	75	6	8	-	-	4-6	4-6	1500.	1014·8	+30	NW	5	Zo	37	65	6	-	-	-	0	0	-	1	4.	cph.bcz.	bzcq.	bx.	cz.bc
	Manston ...	1008·8	+18	W	5	q	39	85	6	5	-	-	9+	9+	800.	1013·6	+32	WNW	6	q	39	65	6	5	-	-	9+	9+	5700	1	*	cq.	bcbz.qq	cbcz.cw	cqv
2	Shoeburyness ...	1009·2	+20	WNW	5	bc	42	75	8	2	-	-	2-3	2-3	4000	1014·6	+44	NW'W	5	b	38	65	8	4	-	-	Tr	Tr	4000	1	*	cb.	b,cb.	b	bx
	Felixstowe ...																																		
	Gorleston ...	1008·1	+16	WNW	5	c	39	75	6	8	-	-	7-8	7-8	1500	1010·0	+36	W'N	5	c/r	36	85	6	6	-	-	9	9	1500	1	4	oi.cq.	corcq.	cps.rq	cphrc
	Mildenhall ...	1008·3	+22	WNW	5	Zo	42	65	6	8	3	-	1	2-3	2500.	1014·1	+26	WNW	5	zo	36	75	6	-	-	-	0	0	-	1	*	cbcz.	bcc.bz.	bz.b	bbc
	Cranwell ...	1008·2	+22	WNW	5	zo	38	75	6	5	-	-	Tr	Tr	2500.	1014·8	+28	WNW	4	b	35	75	7	-	-	-	0	0	-	6	*	bbcbz.	bz.b.	bx	bm.x
3	Birmingham ...	1012·9	+30	NW	5	c	37	85	6	9	-	-	7-8	7-8	800.	1016·4	+36	NNW	5	c	38	85	7	5	-	-	7-8	7-8	1500	1	*	crspsh.	psw.bc	cb	b
	Upper Heyford	1012·9	+30	NW'W	6	c/pr	37	85	8	8	-	-	7-8	7-8	1500.	1017·9	+34	NW	5	q	36	85	7	5	-	-	1	1	1500	1	*	cq.rs.pr.	bcq.	bx	bx
4	Ross-on-Wye	1015·5	+26	NW'W	6	q	40	65	8	1	-	-	2-3	2-3	4000.	1020·1	+30	NW	4	b	37	65	8	5	-	-	1	1	2500	1	*	bcqbq.	pcqbqcb	bbccb	bbcc
5	Portland Bill ...	1016·6	+20	NW	7	bc	44	65	8	4	-	-	4-6	4-6	2500.	1021·2	+30	NNW	6	bc	42	75	8	4	-	-	4-6	4-6	2500	1	5	cbc.	bc.	bcb	bc
	Plymouth ...	1020·9	+4	NW'N	7	c/pr	42	56	8	8	-	-	9+	9+	2500	1024·9	+28	NW'W	4	c/pr	43	55	7	5	-	-	9	9	2500	1	2	cqr.on.	cqpr.y	c	c
	The Lizard ...	1023·7	+10	NW'W	7	q	42	65	8	8	2	-	7-8	9+	2500	1026·2	+20	NW	7	q	42	55	8	8	-	-	7-8	7-8	2500	1	4	cprh.c	ph.qy.	bccq	c
	Scilly (St.Mary's)	1026·7	+8	NW'N	7	q	45	55	8	8	-	-	7-8	7-8	1500	1028·2	+14	NW'N	7	c/pr	44	65	8	8	-	-	7-8	7-8	1500	1	4	cpqy	cpq.	bccd	c
	Guernsey ...	1019·5	+12	NW'N	7	q	44	65	7	8	-	-	7-8	7-8	2500.	1023·3	+24	NNW	6	q	43	55	6	8	-	-	7-8	7-8	2500	1	5	cqphr.	cq.	cq.bcc	cq.c
6	Pembroke ...	1019·9	+18	NNW	5	q	42	85	7	5	7	-	4-6	9+	2500.	1024·4	+20	NNW	8	q	42	75	7	8	-	-	4-6	4-6	2500	1	5	cq.	cbcq.	cooq	cq
7	Holyhead ...	1017·2	+30	NNW	8	c	41	75	8	2	-	-	9+	9+	1500.	1022·3	+30	N'W	8	pr.	42	75	8	9	-	-	9+	9+	2500	1	5	pr.c.	prh.oc	prph.	c
	Chester(Sealand)	1013·0	+34	W'N	8	c	42	55	7	2	-	-	7-8	7-8	1500.	1019·3	+34	WNW	6	c	41	55	7	4	-	-	9	8	1500	1	*	pr.prhy.	cy.	cyb	b
8	Manchester ...	1011·1	+30	NNW	6	bc	40	55	8	8	3	-	1	2-3	2500.	1018·8	+42	NW'N	5	bc	37	75	6	7	-	-	4-6	4-6	2500	1	*	bcbcy.	bcy.bzo.	bcz.bz.	bz.x
10	Spurn Head ...	1004·3	+22	NW	9	q	40	85	7	5	7	-	2-3	4-6	2500.	1012·7	+40	NW	8	pr	36	95	7	5	2	-	4-6	7-8	1500	1	7	bcq.	prsq.	q.prs.	q.prs
	Catterick ...	1008·6	+34	NW	5	bc	38	65	8	8	7	6	2-3	2-3	2500.	1016·5	+34	NW	5	b	36	65	7	5	-	-	1	1	2500	6	*	bc.	bcb	b	b
	Tynemouth ...	1007·3	+24	NNW	4	c	40	65	6	9	-	-	7-8	7-8	1500.	1015·4	+36	NW	4	c	38	75	7	9	-	-	7-8	7-8	800	4	3	bcc.	cq.	bcprs.bc	c
11	Inchkeith ...	1010·7	+22	W	4	c	41	85	8	5	1	-	4-6	7-8	4000.	1021·5	+50	NW	4	bc	34	85	8	5	-	-	2-3	2-3	4000	0	3	bcc.	cbc.	bc	bc
12	Renfrew (Abbots L.)	1010·6	+12	WNW	4	bc	39	65	8	8	-	-	4-6	4-6	4000.	1019·4	+50	WNW	4	bc	35	65	8	4	-	-	2-3	2-3	2500	1	*	bcbx.	bcc.jp.	bbcxb	bx
	Eskdalemuir ...	1013·3	+50	NW	4	c	38	75	9	5	-	-	7-8	7-8	2500.	1022·6	+44	N'W	3	b	33	75	8	6	-	-	Tr	Tr	2500	6	*	bvbcc.	cbcb.	bbcbx	bx
	Point of Ayre...	1010·1	+36	NW'W	6	b	34	95	7	5	-	-	Tr	Tr	2500.	1020·0	+60	NNW	5	b	30	75	8	5	-	-	Tr	Tr	1500	7	*	b.	bksb.	b	b
		1013·8	+22	N'W	8	bc	42	85	8	2	-	-	4-6	4-6	2500.	1022·1	+40	N'E	7	bc	40	75	8	2	-	-	2-3	2-3	2500	1	4	prcbc	bc.	bc	bbc
13A	Tiree	1020·4	+40	N'W	7	c	39	65	9	8	-	3	7-8	7-8	2500	1026·0	+30	N	5	phr	37	65	8	3	7	-	9	9+	1500	1	4	prsbc	cphs.	cph	c
13B	Stornoway ...	1024·4	+36	N	4	c	38	85	8	x6	-	-	7-8	7-8	1500	1025·9	+24	N	4	c	31	85	8	5	7	-	4-6	7-8	1500	6	3	cph.	cph.	cbcc	cbcc
15	Dalwhinnie ...	*	+56	NNW	6	l/s.	29	95	3	6	-	-	10	10	800.	*	+40	N	6	is.	27	95	6	6	-	-	10	10	1500	9	*	cisks.	cis.	*	bbc
	Aberdeen ...	1009·4	+42	NW	4	bc/ps.	36	85	8	9	-	-	4-6	4-6	1500.	1018·4	+64	NNW	6	c/rs	35	75	7	9	-	-	7-8	7-8	1500	3	5	ps.rs.	cisrs	cqps	bcbbc
	Wick ...	1010·6	+32	N	8	ss	34	95	6	6	2	-	7-8	10	800.	1020·5	+40	NW	9	c	32	85	8	5	2	-	7-8	10	800	6	5	css.	cssc.	bcqps	c
16	Lerwick ...	1009·6	+32	NNE	8	c	35	95	8	8	7	-	7-8	7-8	2500.	1018·3	+38	NNE	8	c	30	85	8	9	8	-	4-6	7-8	800	6	*	c.	cisq.	cbd	bcps
17	Blacksod Point	1028·3	+20	NNW	6	q	40	95	8	9	-	-	9	9	800	1030·3	+14	NW	3	bc	40	70	8	4	-	-	4-6	4-6	1500	7	3	PHRq	phrq	ps.c	PRC
18	Malin Head ...	1021·6	+40	N	7	c/phr	41	85	7	8	-	-	7-8	7-8	1500	1026·6	+56	N	7	c/phr	40	95	6	8	-	-	9	9	1500	1	6	cqphr.	cphr.	c	c
	Aldergrove ...	1019·4	+24	NNW	6	c/ps	39	65	7	3	-	-	9	9	1500.	1025·9	+32	NNW	4	q	35	75	8	4	-	-	4-6	4-6	2500	6	*	phpsq	pshqps.	bccbc	bccx
19	Birr Castle ...	1024·8	+20	NW	2	bc	40	75	8	5	-	-	2-3	2-3	4000	1028·6	+26	NW	1	c	38	75	8	5	-	-	9+	9+	4000	1	*	cbc	bcc	c	cair.
20	Valentia Obsy. †	1023·7	+10	N'W	5	bc	45	55	9	8	-	-	4-6	4-6	4000	1032·0	+18	NW'N	5	c	45	65	8	8	-	-	7-8	7-8	4000	1	4	phr.cbc	pr.bcc	bcc	crrr.r.
	Roches Point	1026·5	+10	NNW	6	bc	43	75	9	3	4	-	2-3	2-3	2500.	1031·2	+22	NW	3	c	40	85	8	5	-	-	7-8	7-8	1500	1	3	pr.bcv.	bcprc	cbc	carr

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. ⁵⁄₈gale.
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 Ragged low clouds of bad weather. (or Fracto-nimbus).
7 Fair weather Cu and St-Cu.
8 Large-Cu (or Cu-Nb) and St-Cu.
9 Large-Cu (or Cu-Nb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo-stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

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

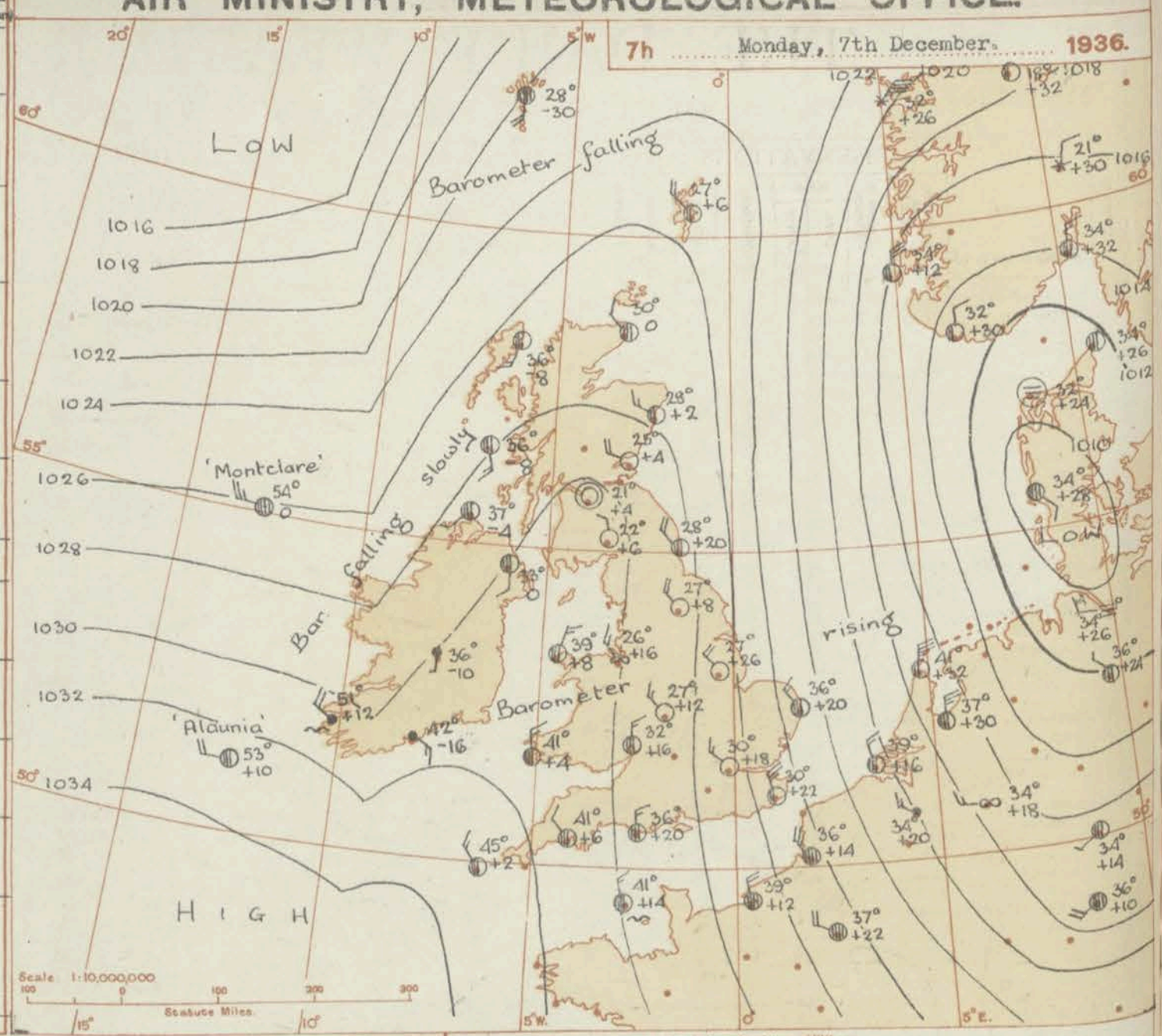
† See disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for ...6th. December ..... 1936.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F). Min. 9h. 5th to 9h. 6th	Temperature (F). Max. 9h.—17h. ...6th.	Rainfall (mm). Night. 17h. 5th to 9h. 6th	Rainfall (mm). Day. 9h.—17h. ...6th.	Sunshine (hrs). Sunrise to Sunset. ...6th.
1	Tunbridge W.	cosc	bc	31	40	0·3	2	2·4.
	Bournemouth	cbc	bcbc	36	42	1	-	3·6.
	Ventnor ...	bcu	bcb	37	44	-	-	5·1.
	Southsea ...	or,bc	bbcb	37	43	Trace	Trace	1·3.
	Bognor Regis	bc or,	bcbb	36	44	0·3	Trace	3·6.
	Littlehampton	bc	bc	36	45	-	-	1·5.
	Worthing ...	bc	bc	35	43	-	-	4·2.
	Brighton ...	bo *	cbcb	37	43	Trace	-	4·5.
	Eastbourne†	cr,c.	cb	37	42	Trace	Trace	4·0.
	Hastings† ...	bccp	bcbb	34	42	-	0·5	4·2.
	Folkestone ...	xbbcb	b	32	42	-	-	5·0
	Dover... ...	bc	bcb	34	42	1	-	6·1.
	Deal	cbcb	cbc	34	42	-	-	4·8.
	Ramsgate ...	cbc	bc	32	42	1	-	3·6.
	Margate ...	cbc	bc	34	42	1	-	1·9.
2	Southend ...	bcb	b	33	42	Trace	-	2·2.
	Maldon ...	rsbb	bb	33	42	2	-	4·7.
	Clacton-on-Sea	cbc	bcc	33	42	1	-	6·1.
	Dovercourt ...	spoc	bcv	33	42	Trace	-	6·0.
	Lowestoft ...	cbcc	ccr	32	40	0·3	1	0·0.
	Skegness ...	bbq	bcq	*	41	2	-	5·8.
	Mablethorpe	cbbc	cs,q	32	40	2	Trace	5·1.
	Cleethorpes ...	bc	bcc	32	41	1	-	4·8.
3	Leamington S.	oro	o	31	40	2	3	0·0.
4	Cheltenham†	or,c	c	32	40	1	0·3	0·2.
5	Bath	cbc	cbc	36	42	0·3	-	2·4.
	Weymouth ...	cbb	cbb	37	44	0·5	-	4·0.
	Jersey ...	hqc	bcpcq	40	45	2	0·2	1·0.
	Torquay ...	bcbq	cbcqy	37	43	2	Trace	2·0.
	Penzance ...	qihc	qihc	42	45	1	0·2	0·1.
	St. Ives ...	c	pr	40	45	0·5	Trace	0·0.
	Bude	qprh	cqprh	37	47	3	0·3	0·1.
	Ilfracombe ...	bpc	oco	41	47	1	-	0·0
6	Aberystwyth	yrhc	cprh	36	44	1	0·5	0·2.
7	Llandudno ...	ihisq	qiho	36	42	5	3	0·0.
	Colwyn Bay...	bchpc	bcc	35	42	3	2	0·0.
	Rhyl	eqiph	bceq	40	44	5	1	0·3.
8	Wallasey ...	cbcc	c	36	43	3	-	1·3.
	Southport‖ ...	aqbcq	bcq	36	42	5	-	3·0.
	Blackpool ...	c	c	36	41	5	-	1·7.
	Morecambe ...	cbcbc	bbc	34	40	4	-	5·0.
9	Ilkley... ...	b	b	31	40	9	-	6·9.
	Harrogate ...	b	b	31	36	7	-	5·4.
10	Berwick-on-T.	bcb	bch,c	31	41	Trace	Trace	4·0
11	Dunbar ..	bcx	bc	32	40	-	-	2·1
12	Troon.	cbcbb	bcbcb	30	40	6	-	6·0.
	Douglas ...	cbPH	PHbc	34	42	5	1	3·1.

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:— Clear sky. Sky less than 1/8 clouded. Sky 1/8 to 1/2 clouded. Sky 1/2 to 7/8 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
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. December 1936.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Moderate northwest winds, becoming light southwest later; mainly fair apart from local showers near the east coast; cold; frost at night.
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	Light northwest winds backing south or southwest; mainly cloudy, occasional rain later with snow on high land; rather cold at first, but temperature rising later.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. / B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Light southerly winds, veering west and freshening; cloudy, occasional rain or snow; rather cold at first, becoming rather mild.
17 N. W. Ireland	Moderate westerly winds, mainly cloudy with light rain or drizzle at times; rather mild.
18 N. E. Ireland 19 S. E. Ireland	Light southerly winds, veering west; mainly cloudy, occasional rain or drizzle; becoming rather mild.
20 S. W. Ireland	As 17.

GENERAL INFERENCE.

A trough of low preaaure over Western Ireland is moving slowly east. Precipitation will spread across Ireland, Western Scotland, Western England and Wales with milder conditions, but in the East it will be mainly fair and cold.

FURTHER OUTLOOK.

The milder conditions will spread to the east.

Forecasts issued at 1030 G.M.T. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S. Director.

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

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

Morning of

MONDAY,
7TH, DECEMBER.

1936.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = 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, 7th December, 1936.
No 27409.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1023.5	+22	WNW	3	bc	34	75	7	5	-	-	2-3	2-3	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1020.7	+18	NNW	5	b	33	75	7	5	-	-	Tr	Tr	2500
	Manston ...	142	1020.6	+22	NW	5	q	36	75	7	5	-	-	7-8	7-8	2500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Mildenhall ...	19	1017.8	+24	W'N	5	prs.	36	95	6	5	-	-	7-8	7-8	1500
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1026.3	+24	NNW	4	b	40	75	8	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1031.1	+16	NW'N	4	c	41	85	8	8	2	-	9	10	2500
	Scilly (St.Mary's)	163	1032.4	+8	NNW	6	q	44	65	8	8	-	-	7-8	7-8	2500
	Guernsey ..	175	1027.4	+20	N'W	5	q	43	65	6	8	-	-	10	10	2500
6	Pembroke ...	142	1029.0	+12	NNW	6	q	41	95	7	8	-	-	7-8	7-8	2500
7	Holyhead ...	26	1027.9	+14	N'W	6	c	42	65	8	5	-	-	9+	9+	2500
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1019.4	+36	NW'N	6	PRS	34	95	6	6	-	-	10	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1024.1	+32	NW	6	bc	31	65	8	2	-	-	4-6	4-6	1500
11	Inchkeith ...	190	1027.1	+22	NW	4	bc	29	95	8	5	-	-	2-3	2-3	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1028.2	+20	N'E	6	bc	37	65	8	4	-	-	2-3	2-3	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1029.1	+6	SW	1	c	33	95	8	5	7	-	7-8	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1026.4	+12	N	6	ps	29	95	8	5	-	-	4-6	4-6	1500
16	Lerwick ...	156	1023.3	+14	NNW	6	bc	28	85	8	8	-	-	4-6	4-6	1500
17	Blacksod Point	18	1030.6	-6	S	2	bc	42	75	8	4	-	-	4-6	4-6	1500
18	Malin Head ...	52	1030.4	+16	N	2	c	40	95	6	8	1	-	7-8	9	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1033.2	-4	:	0	r₀r₀	45	95	8	5	:	:	9+	9+	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
1028.1	+18	NW	3	b	31	63	8	5	-	-	Tr	Tr	1500	4	*
1027.7	+18	WNW	3	b	30	75	7	-	-	-	0	0	-	1	*
1028.7	+16	NW	4	b	29	65	8	1	-	-	Tr	Tr	2500	4	*
1030.4	+16	NNW	3	c	29	75	8	5	-	-	7-8	7-8	2500	4	*
1029.2	+20	NW	3	b	33	75	8	-	-	-	0	0	-	1	2
1024.9	+22	NNW	5	bc	36	75	7	5	4	-	4-6	4-6	1500	3	3
1025.0	+26	NW'N	5	q	34	75	8	5	-	-	9+	9+	1500	1	*
1025.4	+24	NW	3	bc	31	75	7	5	-	-	2-3	2-3	4000	4	*
1022.8	+20	NW	3	c	36	85	6	9	-	-	7-8	7-8	1500	1	3
1026.0	+20	NW	4	c	29	85	8	5	7	-	4-6	7-8	4000	0	*
1027.4	+26	NW'W	4	b	27	75	6	-	-	-	0	0	-	4	*
1029.7	+12	NW	3	b	27	65	6	-	-	-	0	0	-	1	*
1029.5	+18	NW	4	b	27	85	7	-	-	-	0	0	-	4	*
1029.6	+16	N	3	c	32	75	8	5	-	-	9	9	2500	1	*
1029.8	+20	N	3	c	36	85	8	4	-	-	7-8	7-8	2500	1	3
1030.7	+6	NW'N	2	c	41	65	8	5	3	-	2-3	9+	1500	1	1
1032.1	+10	NW	2	c	39	85	8	8	2	-	9	10	2500	1	2
1033.4	+2	NWN	3	c	45	65	8	8	-	-	9+	9+	2500	1	3
1029.9	+14	N'W	3	c	41	65	9	8	-	-	7-8	7-8	2500	1	4
1030.7	+4	N'W	3	q	41	95	7	5	-	-	9+	9+	2500	1	3
1030.3	+8	NNE	3	c	39	75	8	5	-	-	7-8	7-8	4000	1	3
1030.0	+16	NW	3	z_0	26	75	5	-	-	-	0	0	-	4	*
1029.9	+14	NNW	3	b	27	75	6	-	-	-	0	0	-	4	*
1025.2	+24	NWN	7	q	29	95	7	3	7	-	2-3	4-6	1500	8	6
1028.7	+8	NW	4	b	27	65	8	-	6	-	0	Tr	-	6	*
1027.7	+20	NW	4	c	28	95	7	9	-	-	9+	9+	1500	4	3
1028.3	+10	WNW	3	bc	29	95	8	5	-	-	2-3	2-3	4000	4	2
1028.8	+4	WNW	4	b	25	75	7	-	-	-	0	0	-	1	*
1030.4	+4	↓	0	b	21	95	7	-	-	-	0	0	-	4	*
1030.4	+6	N'W	2	b	22	65	8	-	-	-	0	0	-	8	*
1032.3	+6	NE'E	3	b	34	75	8	-	4	-	0	1	-	1	2
1028.0	-8	SSE	3	c	36	75	8	5	-	-	9+	9+	2500	0	*
1026.9	-8	SSW	3	c	36	55	8	5	7	-	4-6	9	2500	6	2
*	+6	S	1	bc	19	55	8	4	6	-	2-3	4-6	4000	9	*
1027.2	+2	WNW	3	bc	28	85	8	9	-	-	2-3	2-3	1500	8	1
1026.8	0	NW	2	c	30	95	8	8	7	-	7-8	9	1500	4	3
1025.5	+6	NW	4	bc	27	85	8	8	-	-	4-6	4-6	1500	6	*
1026.6	-18	S	3	c	46	95	8	8	-	-	10	10	800	1	3
1028.5	-4	SW	1	c	37	95	7	5	-	-	9	9	2500	0	3
1030.0	0	S	2	c	33	95	8	-	3	-	0	9+	-	1	*
1029.8	-10	S	1	ir₀	36	95	7	6	-	-	10	10	1500	1	*
1030.5	-12	WNW	4	r₀r₀	51	95	6	6	-	/	10	10	800	1	4
1030.9	-16	SE	3	rr	42	95	7	6	-	/	10	10	1500	1	3

PAST 24 HOURS.

Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 6th hrs. (36)
40	31	26	2.	-	0.7
39	30	27	2.	-	0.0
41	29	23	Tr.	-	0.8
41	28	23	-	-	0.5
43	32	29	-	-	2.1
40	30	27	Tr.	-	4.6
42	33	32	-	-	3.0
42	30	26	-	-	2.8
41	34	32	2.	5	3.5
42	28	25	-	-	5.6
38	26	23	-	-	6.3
39	26	21	4	-	1.2
38	27	21	↓	-	*
41	31	21	Tr.	-	5.1
44	34	*	-	-	*
43	40	37	Tr.	-	1.7
43	38	*	0.1	-	*
46	38	*	0.2	-	1.9
45	41	38	1	-	0.8
44	39	*	-	-	0.0
43	38	37	0.1	Tr	0.7
43	26	17	0.2	-	1.5
41	26	19	-	-	2.8
40	29	*	2.	3	4.4
38	26	23	-	-	6.5
41	28	25	-	1	2.8
42	28	24	-	-	1.8
40	25	20	-	-	4.9
39	21	17	-	-	3.1
36	22	14	-	-	6.0
42	33	*	1	-	4.3
41	32	30	0.6	Tr	2.3
36	30	*	1	-	0.2
33	13	9	4	0.4	0.0
38	26	22	2.	0.3	3.1
41	29	*	3	Tr	*
40	26	*	0.1	Tr	0.0
45	37	*	1.0	2.0	*
41	34	*	0.1	1	0.2
39	31	29	1	-	1.8
41	33	*	-	0.4	2.5
45	40	33	0.1	6	0.6
44	39	*	0.1	4	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day mm.	Rainfall. Night mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity. 15h. G.M.T % (Yesterday.)	Humidity. 9h. G.M.T % (To-day.)	Visibility 9h.
Kew	18	cprs	bcz₀b	bbx	40	31	26	2	-	0.7	*	*	6
Croydon	217	cs₀Pr₀	cz₀b	bbczbx	39	30	27	2	-	0.0	*	*	5
Greenwich (Royal Observatory)...	149	r₀s₀r₀c	cb	bcbx	40	29	23	0.5	-	0.1	75	72	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	*	*	*			0.5	74	66	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	41	30	25			0.7	77	72	*
Camden Square	110	crbc	cbcb	*	40	29	26	1	-	*	*	83	*
Kensington	80	crsbc	bbzx	*	40	25	25	1	-	*	At 18h.	At 18h.	*
Hampstead Observatory	450	osbc	bc	bx	40	30	23	2	-	0.7	75	76	*
					39	25	18	1	-	1.6	*	75	*

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

South Kensington. Max.	Time.	Min.	Time.
0.3	18-20 h 6th	0.3	3-6h 7th

Kew Observatory. Max.	Time.	Min.	Time.
0.2	12h 6th	0.1	6-7h 7th

FOREIGN OBSERVATIONS.

18h. G.M.T. 6th December

Stations	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1017.3	W	5	s/pr	37
Brussels	1010.7	W	3	c/pr	37
Berlin	1011.5	S	4	bc	36
Zürich					
Rome	1014.7	SW	3	o	55

7h. G.M.T. 7th December

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1024.7	WNW	4	o	37
1019.9	WNW	3	ir₀	36
1012.9	S	4	s₀s₀	37
1013.1	SW	3	c	54

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
41	36	3	-
37	34	0.1	10
41	30	2	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
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

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

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

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

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 8th December, 1936.
No. 27410.

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

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)	1029·7	0	NW'N	3	z_o	35	65	6	-	-	-	0	0	-
	Croydon ...	1029·3	-2	NW	3	z_o	34	55	5	-	-	-	0	0	-
	S. Farnborough	1030·1	-2	NW	2	z_o	36	55	6	-	-	-	0	0	-
	Boscombe Down	1031·0	-2	NNW	4	z_o	33	75	7	-	-	-	0	0	-
	Calshot (Sthmtn.)	1030·5	+2	N'W	3	b	36	55	7	-	-	-	0	0	-
	Lympne ...	1028·4	+6	NW'N	4	z_o	33	75	6	-	7	-	0	1	-
	Manston ...	1027·6	+4	NW	4	q	35	75	8	5	-	-	4-6	4-6	2500
2	Shoeburyness ...	1028·4	+4	NW	4	b	34	65	6	-	4	-	0	Tr	-
	Felixstowe ...														
	Gorleston ...	1026·1	+24	WNW	4	c/phr	36	85	6	9	-	-	9	9	1500
	Mildenhall ...	1028·8	+10	NNW	4	z_o	34	75	6	-	3	-	0	Tr	-
	Cranwell ...	1028·8	-2	NNW	3	z_o	32	65	6	-	4	-	0	Tr	-
3	Birmingham ...	1031·0	0	NW	2	z_o	32	55	5	-	-	-	0	0	-
	Upper Heyford	1030·8	0	NW	4	z_o	32	65	5	-	-	-	0	0	-
4	Ross-on-Wye	1030·8	-6	NNW	2	b	35	55	8	5	-	1	Tr	Tr	4000
5	Portland Bill ...	1030·7	+6	N	3	bc	38	85	8	4	-	-	2-3	2-3	2500
	Plymouth ...	1030·6	-12	NNW	2	c	44	65	8	5	7	-	1	7-8	4000
	The Lizard ...	1030·8	-16	-	0	$r_o r_o$	42	95	6	5	2	-	9	10	1500
	Scilly (St.Mary's)	1029·7	-30	SE'S	4	dd	46	95	5	5	-	-	10	10	800
	Guernsey ...	1030·5	-4	N'W	3	c	43	65	9	8	-	-	9+	9+	2500
6	Pembroke ...	1029·0	+4	NW	1	c	44	65	9	5	6	-	4-6	9	4000
7	Holyhead ...	1030·4	-6	S'E	1	c	39	65	8	5	4	-	9	9	4000
	Chester(Sealand)	1030·7	-4	-	0	m	34	75	4	-	-	-	0	0	-
8	Manchester ...	1030·7	-4	WSW	1	m	32	85	4	-	-	-	0	1	-
10	Spurn Head ...	1027·8	+6	NW	5	c	33	95	7	5	7	-	4-6	7-8	2500
	Catterick ...	1029·7	+2	WNW	2	b	32	55	8	-	-	5	0	1	-
	Tynemouth ...	1028·5	+6	NW	3	bc	32	95	6	2	-	-	2-3	2-3	2500
11	Inchkeith ...	1028·7	+2	SW	3	c	32	95	6	5	5	7	2-3	7-8	1500
	Leuchars ...	1028·9	-6	WNW	2	bc	33	65	8	-	-	4	0	2-3	-
12	Renfrew (Abbotsl.)	1029·2	-10	-	0	m	29	85	4	5	3	-	4-6	9+	2500
	Eskdalemuir ...	1030·2	-4	-	0	bc	24	65	8	-	7	1	0	4-6	-
	Point of Ayre...	1030·0	-6	S	2	bc	39	85	8	-	7	-	0	4-6	-
13A	Tiree	1024·1	-24	S'W	5	c	41	75	8	6	2	-	9	10	1500
13B	Stornoway ...	1020·4	-34	NNW	8	c/r	40	95	8	8	2	-	7-8	10	2500
15	Dalwhinnie ...	1027·5	-20	S	4	is_o	26	95	8	5	-	-	10	10	2500
	Aberdeen ...	1027·1	-8	SW	3	z_o	32	65	6	5	-	8	4-6	9+	2500
	Wick ...	1024·6	-16	SW	3	c	32	95	8	8	7	-	7-8	9+	1500
16	Lerwick ...	1023·5	-20	SW	4	c	32	75	8	5	2	-	7-8	10	1500
17	Blacksod Point	1027·3	0	W	4	dd	52	95	7	6	-	-	10	10	800
18	Malin Head ...	1024·8	-24	SE'N	5	c	40	95	7	5	-	-	9+	9+	1500
	Aldergrove ...	1028·2	-10	S	3	c	37	75	7	5	2	-	9+	10	2500
19	Birr Castle ...	1028·0	-4	S	1	id_o	39	95	7	5	-	-	10	10	2500
20	Valentia Obsy. †	1031·7	+2	NNW	3	o	52	95	7	6	-	-	10	10	800
	Roches Point	1030·0	+6	ENE	2	dd	47	95	6	5	-	-	10	10	450

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

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)
1031·3	+8	WSW	2	m	32	75	4	-	-	-	0	0	-	4	*
1031·2	+10	WSW	2	m	30	85	4	-	-	-	0	0	-	1	*
1032·0	+10	NW	1	z_o	26	65	5	-	-	-	0	0	-	4	*
1032·3	+2	-	0	fg_o	27	65	7	-	1	-	0	2-3	-	4	*
1031·7	+8	W'N	1	z_o	29	75	6	-	-	-	0	0	-	0	1
1030·6	+8	NNW	4	z_o	30	75	6	-	-	-	0	0	-	1	S_1
1030·0	+14	NW	4	z_o	34	75	6	-	-	-	0	0	-	1	*
1030·3	+12	NW	2	b	30	75	5	-	-	-	0	0	-	4	*
1028·8	+14	WNW	3	c	35	85	6	5	-	-	9+	9+	2500	1	3
1030·6	+10	WSW	2	z_o	28	85	6	-	-	-	0	0	-	4	*
1030·5	+2	WSW	2	m	26	85	4	-	5	-	0	1	-	4	*
1031·4	0	WSW	2	m	29	65	4	-	±	-	0	0	-	1	*
1031·6	+4	W'N	3	z_o	28	85	6	-	-	1	0	1	-	4	*
1031·3	+4	SW	1	z_o	28	85	5	5	7	-	Tr	1	2500	4	*
1031·2	+6	NE	3	bc	33	95	7	4	-	-	2-3	2-3	2500	1	3
1031·3	+10	E	1	z_o	42	75	6	5	3	-	4-6	9	4000	1	1
1031·3	+6	NE	1	id_o	44	95	7	5	2	-	9	10	1500	1	2
1030·9	+14	N'W	3	c	49	95	8	5	-	-	9+	9+	1500	1	2
1031·0	+4	NNE	1	bc	39	75	7	8	-	-	2-3	2-3	2500	0	3
1029·7	+2	SSW	2	c	44	85	8	5	-	-	9	9	2500	0	1
1028·6	-14	SSW	3	c	42	85	8	5	-	-	9+	9+	2500	1	2
1030·3	-2	ESE	2	m	26	85	4	-	e	-	0	0	-	4	*
1030·5	0	SW	1	m	29	85	4	-	-	-	0	0	-	4	*
1029·0	+6	NNW	4	bc	33	95	7	-	1	-	0	2-3	-	4	3
1029·1	-6	WSW	0	bc	26	65	7	-	3	-	0	2-3	-	6	*
1028·4	-4	WSW	2	bc	30	95	5	4	-	-	2-3	2-3	2500	4	2
1026·0	-14	SW	4	c	32	95	7	5	2	-	4-6	10	2500	4	2
1025·3	-22	W&W	3	c	31	65	5	5	-	-	9+	9+	2500	4	*
1026·0	-20	S'W	1	z_o	33	75	5	5	-	-	10	10	1500	4	*
1028·5	-8	SSW	1	$s_o s_o$	25	75	7	-	2	-	10	10	4000	8	*
1028·1	-16	S'W	2	o	39	85	8	5	-	-	10	10	1500	1	1
1020·4	-18	W'S	4	id_o	50	95	6	5	2	-	7-8	10	800	1	3
1014·8	-20	S	7	$r_o r_o$	45	95	7	5	2	-	9	10	2500	1	4
1024·0	-20	SW	4	is_o	30	95	7	4	6	-	7-8	9	2500	9	*
1022·3	-34	SSW	2	z_o	30	65	6	-	7	-	0	2-3	-	6	1
1018·4	-42	SSW	5	c/pr	37	85	7	5	-	-	10	10	1500	1	4
1015·7	-48	SSW	7	ir_o	37	95	7	9	2	-	7-8	10	800	1	*
1027·2	0	W	3	bc	51	95	8	4	-	-	4-6	4-6	1500	1	3
1023·6	-10	SSW	3	dd	47	95	6	6	-	-	10	10	800	1	2
1026·6	-14	S'W	3	c/d	36	95	5	-	2	-	10	10	800	1	*
1028·2	+2	S	1	c/d	46	95	7	5	-	-	10	10	2500	1	*
1032·3	+4	W	2	c	51	95	7	5	-	-	9+	9+	1500	1	3
1030·8	+6	NNW	3	c	50	95	8	5	-	-	9+	9+	1500	1	2

PAST 24 HOURS.

Weather. 7h.–13h. 7th (37)	Weather. 13h.–18h. 7th (38)	Weather. 18h. 7th to 1h. 8th (39)	Weather. 1h.–7h. 8th (40)
bxbm$_o$	bz$_o$bm	bmx	cm$_o$x$_o$
bxz$_o$z	by bczx	bzmx	bcm$_o$x$_o$is$_o$
xbz$_o$y	bz$_o$y	bx.	or$_o$r$_o$
bcb	b b	bbm$_o$bc	r$_o$r$_o$dd$_o$
bz$_o$by	by z$_o$	bm$_o$bx.	bxbcdd
fxbbcz$_o$	bz$_o$x	bz$_o$x	bczox
cbcq	bcq bz$_o$	bzom$_o$	bmxbcm
bxbz$_o$	bz$_o$x	bm$_o$x.	xcis$_o$c.
cqphr	cbclz	bcbz$_o$	cz$_o$z$_o$x
bcbz$_o$	bbcbz$_o$	bz$_o$bm$_o$x	bmycd$_o$x
bz$_o$x	bz$_o$m	bmcx.	xr$_o$r$_o$PR.
bz	bz	bzcl.	air$_o$
bz$_o$	bz$_o$x	bxr$_o$s.	nfxr$_o$s.
bcbby	bybcb	bm$_o$cm$_o$	r$_o$cm$_o$
cbc	bc	bcc	oir.
czc	cbcclz$_o$	cz$_o$.	cr$_o$r$_o$cz
cr$_o$r$_o$	pr$_o$d$_o$	cid$_o$o	idprc.
r$_o$r$_o$dd$_o$	oddm$_o$c	cir$_o$c	c.
c	cbc	bcbbc	bcod$_o$.
cv	c	oddm$_o$q$_o$	cqidc.
cbcc	c	rrr$_o$r$_o$c	cirm$_o$.
bz	bbcz	bmcrs.	cm$_o$.
bzfm	bbcx bm	bccmr$_o$	Sarrgrd
qpsc	cbc	zbc	bcco.
bby	bybc	bbcc	cd$_o$
cbc	bcm	bcombc	oir$_o$.
bcc	c	c	cmirc.
brbc	bcczox	cz$_o$xbc.	bccir$_o$
xffcm	cmr$_o$m$_o$	cod$_o$d$_o$m$_o$	prrbc
bbc	bcc$_o$s$_o$s$_o$	cr$_o$r$_o$	r$_o$crc
bcc	co	or$_o$r$_i$	opr$_o$
c	rriR	cidr	ordc
cvr$_o$r$_o$	r$_o$f	cr$_o$r$_o$rr	cpr$_o$bcq
c	c	*	cirr.
bcczo	cz$_o$	pr.	cprbc
c	cpr$_o$	crr	pr$_o$bc
bcc	cir$_o$	corrm	bcpr.
dd	dd	id	prc.
c	cpr$_o$odd	odr.	cpr.
c	cod$_o$d$_o$m$_o$	od$_o$ir$_o$	orrdm$_o$
ir$_o$d$_o$	oid$_o$	oid$_o$bc.	bcair.
r$_o$r$_o$prc	c	c	coir$_o$
rrodd	ddidc	dbc.	bcc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r$_o$, slight rain.
rr, continuous rain.
‹, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⟋ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; + has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo- stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

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

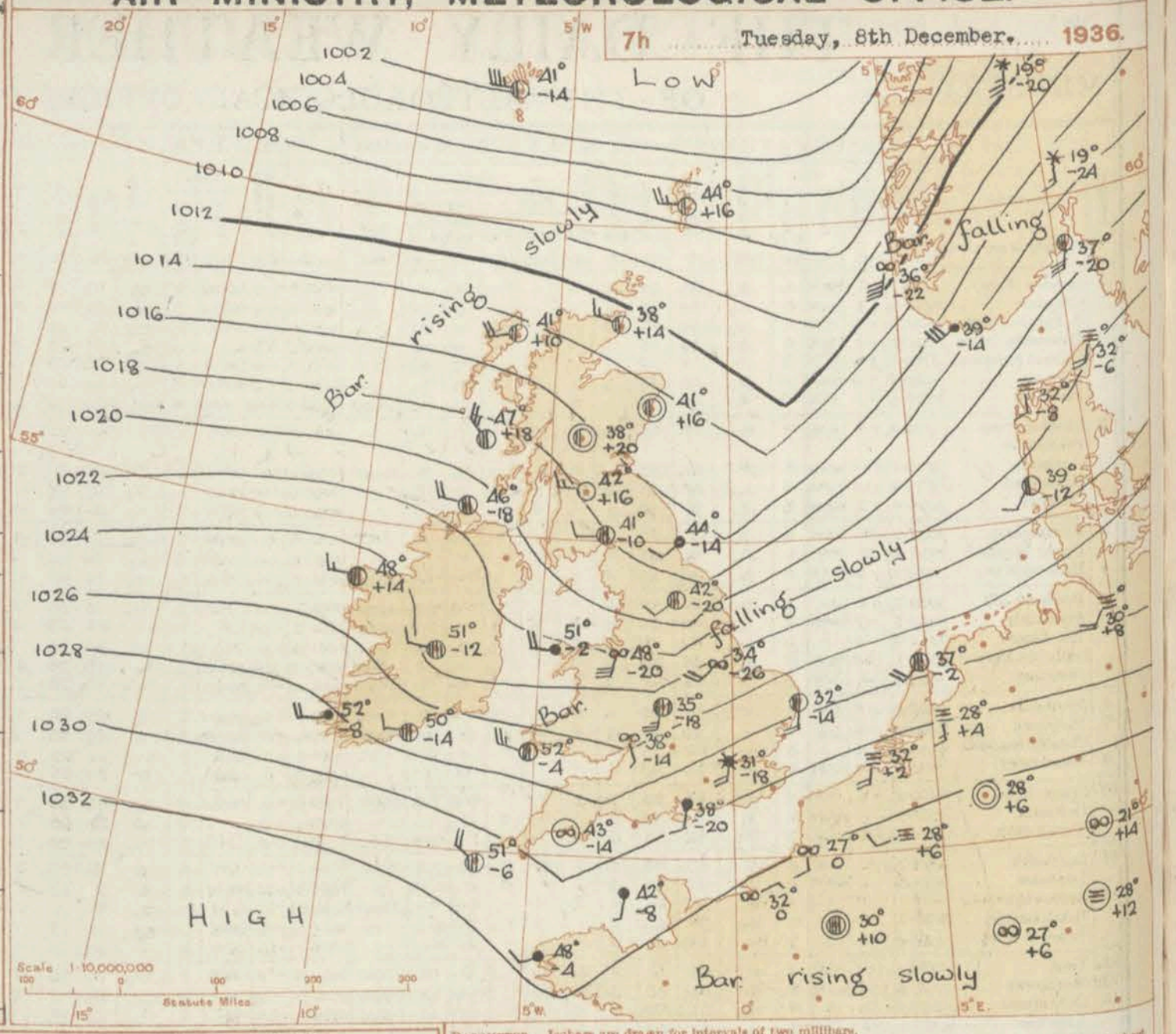
† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for ... 7th. December ... 1936.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F) Min. 9h. 6th to 9h. 7th	Temperature (F) Max. 9h.—17h. 7th.	Rainfall (mm) Night. 17h. 6th to 9h. 7th	Rainfall (mm) Day. 9h.—17h. 7th	Sunshine (hrs) Sunrise to Sunset. 7th.
1	Tunbridge W.	bbm	bm	28	33	-	-	4·5
	Bournemouth	b	b	29	37	-	-	6·1
	Ventnor ...	xb	bz	31	38	-	-	7·4
	Southsea ...	b	b	31	36	-	-	7·2
	Bognor Regis	b	b	31	36	-	-	7·2
	Littlehampton	b	b	31	38	-	-	7·2
	Worthing ...	b	b	31	36	-	-	7·3
	Brighton ...	bx	b	30	36	-	-	6·5
	Eastbourne†	b	b	31	37	-	-	6·2
	Hastings† ...	b	b	31	38	-	-	6·1
	Folkestone ..	xbb	b	30	36	-	-	6·2
	Dover... ...	b	b	32	36	-	-	6·8
	Deal	b	b	32	36	-	-	6·4
	Ramsgate ...	bc	bc	33	37	-	-	5·9
	Margate ...	bc	bc	32	36	-	-	3·0
2	Southend ...	b	bm	29	35	-	-	5·8
	Maldon ...	b	b	31	34	-	-	6·2
	Clacton-on-Sea	bc	bc	29	34	Trace	-	5·9
	Dovercourt ...	xbv	bv	29	35	Trace	-	6·3
	Lowestoft ...	bccrs	chrss	32	37	6	0·4	0·0
	Skegness ...	sbps	bcb	28	35	2	Trace	4·5
	Mablethorpe	cbcis	bccx	27	34	3	Trace	2·6
	Cleethorpes ...	sbc	bc	28	35	3	Trace	3·4
3	Leamington S.	bbc	bbc	27	34	-	-	5·2
4	Cheltenham†	mxb	bqxb	28	38	-	-	7·1
5	Bath	b	b	28	36	-	-	6·5
	Weymouth ...	b	b	30	41	-	-	6·7
	Jersey ...	pcc	cbc	40	43	Trace	-	0·7
	Torquay ...	cbc	bcc	36	44	-	-	2·0
	Penzance ...	ccr	cld	42	46	-	2	0·0
	St. Ives ...	dd	pr	37	46	-	1	0·0
	Bude	c	c	42	44	-	-	0·0
	Ilfracombe ...	cbcc	bcc	40	44	-	-	0·0
6	Aberystwyth	cbc	bcc	33	39	0·5	-	3·1
7	Llandudno ...	bc	bcc	35	39	-	-	3·1
	Colwyn Bay...	bcb	bcbc	33	40	-	-	3·4
	Rhyl	bcb	bbc	34	39	-	-	4·6
8	Wallasey ...	b	bcc	29	36	-	-	3·8
	Southport‖ ...	bbc	bcc	26	35	-	-	4·7
	Blackpool ...	cbc	bcc	26	36	-	-	5·1
	Morecambe ...	xbc	bbcx	25	31	-	-	5·8
9	Ilkley	b	b	25	32	-	-	6·4
	Harrogate ...	b	b	23	32	-	-	5·4
10	Berwick-on-T.	b	bcc	27	33	Trace	-	5·1
11	Dunbar ..	bcx	bc	26	33	-	-	4·3
12	Troon... ...	bxbbc	coc	24	36	-	-	2·5
	Douglas ...	bcxcb	cbccv	26	40	-	-	2·6

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 8th Dec. 1936.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England	Moderate westerly winds; mainly cloudy at first with occasional light rain or drizzle; mainly fair later; rather mild.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Moderate or fresh westerly winds; cloudy or dull with rain or drizzle; average temperature or rather mild.
13 A. W. Scotld. 13 B. N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Moderate or fresh westerly winds; cloudy, occasional showers or rain; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate or fresh westerly winds; cloudy, occasional rain or drizzle; rather mild.

Barometer. Isobars are drawn for intervals of two millibars.
Wind. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
Temperature is given in degrees F.
Weather Symbols:— Clear sky. Sky less than ⅛ clouded. Sky ⅛ to ⅝ clouded. Sky ⅝ to ⅞ clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
Sea Disturbance.—Rough. ≈High.
Barometric change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A deep depression lies between Greenland and Norway and an associated trough of low pressure extends from the West coast of Norway to Brest. Dull and rainy conditions will prevail over Scotland but in most other districts it will be cloudy and rather mild with occasional rain at first.

FURTHER OUTLOOK.

Rather mild in most districts.

Times of issue of Gale Warnings.

▼ South Cone hoisted at 1345 on 7th Dogger Bank area.

Forecasts issued at 10.30. G.M.T.

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

H.M. Stationery Office (Forms), Kingsway, W.C.2.

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

Morning of

TUESDAY,
8TH DECEMBER.

1936.

Clarke's Projection. Scale 1: 4 X 10⁷ along meridian at 55° N.
Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.
⊙ = Calm.

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 8th December, 1936.
No. 27410.

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

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	1031·6	-10	S	2	Zo	26	85	5	-	3	-	0	4-6	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1032·0	-4	NNW	2	Zo	27	75	5	-	-	-	0	0	-
	Manston ...	142	1031·5	-6	W'N	2	m	28	85	4	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1030·1	-2	W'S	2	to	32	95	5	-	-	-	0	0	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1031·3	-6	WSW	2	c	39	75	7	5	-	-	10	10	2500.
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1032·7	-10	S'W	2	id.	45	95	7	5	-	-	10	10	1500.
	Scilly (St. Mary's)	163	1031·8	-6	NW'N	3	c	50	95	7	8	-	-	10	10	1500.
	Guernsey ..	175	1032·5	0	-	0	bc	35	85	7	-	1	-	0	4-6	-
6	Pembroke ...	142	1028·4	-6	NW'N	4	c/d	50	95	6	5	-	-	10	10	2500.
7	Holyhead ...	26	1025·4	-22	W	4	rr	49	95	6	6	2	-	9	10	800.
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1027·6	-18	SSW	4	bc	32	95	6	-	1	-	0	4-6	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1022·0	-34	SW	2	bc	32	95	6	5	-	-	4-6	4-6	1500.
11	Inchkeith ...	190	1017·8	-40	SW	5	c	44	95	8	5	-	-	4-6	7-8	1500.
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1023·5	-12	W'N	4	rar.	47	95	8	6	-	-	10	10	1500.
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1011·8	+5	W	5	c/r	45	85	7	5	7	-	4-6	7-8	1500.
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1008·0	-32	SW	5	rr	41	95	7	5	-	-	10	10	800.
16	Lerwick ...	156	1004·6	-30	W	6	rr	46	95	6	6	-	-	10	10	450
17	Blacksod Point	18	1024·6	-14	W	5	id	52	95	7	6	-	-	10	10	450.
18	Malin Head ...	52	1019·5	-26	SW	6	dd.	51	95	5	6	-	-	10	10	800.
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1030·8	-10	SW	4	0	51	95	7	5	-	-	10	10	1500.
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
1028·3	-14	SSW	2	id.	33	95	6	6	2	-	10	10	1500	5	*
1028·6	-18	S'W	4	rs	31	85	6	5	-	-	10	10	1500	1	*
1026·5	-14	SSW	2	r.r.	34	85	5	6	-	-	10	10	800	5	*
1028·3	-20	S'W	2	c/d	32	95	5	5	-	-	10	10	450	5	*
1029·2	-20	S'W	2	id.	38	95	6	5	-	-	10	10	800	1	1
1030·1	-12	SW	2	Zo	32	75	6	5	7	-	7-8	9+	5700	4	1
1029·5	-10	SW'S	2	c	31	85	6	5	7	-	7-8	9+	2500	1	*
1028·6	-16	SSW	3	c/s	35	75	5	6	-	-	9	9	1500	6	*
1027·3	-14	S	4	c	32	65	6	5	-	-	9+	9+	2500	4	2
1026·5	-18	SSW	4	c/d	31	95	6	5	2	-	7-8	10	2500	4	*
1024·0	-26	SW	4	Zo	34	95	6	5	-	-	10	10	2500	4	*
1025·1	-18	SSW	5	o	35	95	6	5	-	-	10	10	800	5	*
1026·4	-22	SSW	3	f	34	95	2	-	-	-	10	10	150	5	*
1025·8	-14	SSE	1	Zo	38	95	6	5	7	-	7-8	9	4000	1	*
1027·5	-20	WSW	3	ir	37	95	7	5	-	-	10	10	1500	1	3
1029·0	-14	-	0	Zo	43	95	5	5	1	-	9+	10	450	1	1
1030·0	-6	W	3	c	48	95	8	8	-	-	7-8	7-8	2500	1	2
1030·5	-6	NW'N	4	c	51	95	8	5	-	-	10	10	1500	1	2
1030·8	-8	SSW	1	id.	42	95	6	5	-	-	10	10	1500	1	2
1026·6	-4	W'N	5	q	52	85	7	8	-	-	9+	9+	2500	1	3
1022·3	-24	W	4	rr	51	95	6	6	2	-	7-8	10	800	1	3
1022·4	-20	SSW	3	Zo	48	85	5	5	-	-	9	9	2500	1	*
1022·9	-30	SSW	2	df	37	95	3	5	-	-	10	10	800	1	*
1021·6	-26	SSW	5	o	34	95	7	5	-	-	10	10	1500	0	4
1019·3	-20	SW'W	2	c/d	42	95	7	5	-	-	9+	9+	1500	1	*
1015·9	-14	SW	2	ir.	44	95	6	6	-	-	10	10	800	1	2
1015·5	-6	SW	4	c	46	95	7	5	-	-	9	9	1500	1	3
1016·0	+20	WNW	3	c	43	95	8	5	-	-	7-8	7-8	2500	1	*
1017·9	+16	W	3	bc	42	85	7	5	-	-	4-6	4-6	2500	1	*
1017·3	-10	W	2	c	41	95	6	5	-	-	9	9	1500	3	*
1018·9	-18	W'N	5	pr.	49	95	8	6	-	-	10	10	1500	1	3
1019·4	+18	NW	5	c	47	65	7	8	-	-	7-8	7-8	2500.	0	*
1015·3	+10	WSW	4	bc/pr	41	85	8	5	7	-	4-6	4-6	1500	1	2
1017·7	+20	-	0	bc	38	75	7	4	6	-	2-3	4-6	2500	6	*
1015·3	+16	-	0	bc	41	75	8	5	-	-	4-6	4-6	2500	3	1
1012·4	+14	WNW	3	bc/pr	38	85	8	8	6	-	2-3	2-3	1500	1	2
1007·2	+16	W	5	bc	44	65	8	8	-	-	4-6	4-6	1500	1	*
1025·2	+14	W	3	c	48	85	7	5	-	-	7-8	7-8	800	1	3
1021·5	+18	W'N	4	bc/pr	46	95	7	5	-	-	4-6	4-6	1500	1	3
1021·5	+10	NNW	4	dd	46	95	6	6	2	-	9	10	800	1	*
1023·6	-12	W	2	c/r	51	95	7	6	-	-	10	10	1500	1	*
1026·8	-8	W'S	4	ir.	52	95	7	5	-	-	10	10	800	1	3
1027·5	-14	W	2	c	50	95	8	5	7	-	4-6	7-8	1500	1	2

PAST 24 HOURS.

Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 7th Hrs. (36)
*	*	*	*	*	*
35	27	20	-	Tr.	6·3.
35	25	21	Tr	Tr.	3·8.
37	21	14	-	1	7·0.
34	22	15	-	1	7·2.
36	25	22	-	0·4	7·1.
37	25	20	-	-	6·8.
36	25	19	-	-	5·3.
35	24	16	-	Tr.	5·8.
(38) 36	28	25	1	-	2·8.
33	24	21	-	0·2	6·0.
32	24	20	-	1	5·1.
32	26	25	-	1	4·2. 5·2
33	22	14	-	0·3	*
35	28	17	-	1	6·8.
39	32	*	-	1	*
44	39	37	-	1	0·7.
44	43	*	1	2	*
49	46	*	7	2	0·0.
43	33	24	-	Tr.	0·0.
45	43	*	-	1	0·0.
42	41	41	-	12	2·1.
34	26	25	-	0·1	3·5.
38	28	25	-	3	1·8.
37	31	*	1	-	2·5.
34	25	24	-	Tr.	6·2.
32	30	28	-	0·1	5·4.
33	32	29	-	1	3·5.
33	29	27	-	0·3	3·6.
33	32	32	Tr	4	0·0.
26	25	24	Tr	6	4·7.
40	39	*	-	4	2·8.
50	43	40	3	3	0·0.
46	40	*	+	7	0·0.
30	30	27	Tr	6	0·3.
33	29	26	-	1	1·0.
37	36	*	0·2	4	*
38	34	*	0·1	6	0·0.
52	46	*	1	2	*
47	42	*	1	3	0·0.
38	36	36	0·3	6	0·0.
47	46	44	0·6	3	0·0.
53	50	47	0·9	1	0·0.
50	49	*	6	-	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity. 15h. G.M.T % (To-day.)	Humidity. 9h. G.M.T % (To-day.)	Visibility 9h.
Kew	18	bx1bm.	bz.bm	bmxd.	36	27	20	-	Tr	6·3	•	•	5.
Croydon	217	bxz.z	hybczx	bz.m.s	35	25	21	Tr	Tr	3·8	•	•	6
Greenwich (Royal Observatory)...	149	bm.	bm	bxfcsd.	34	26	17	-	0·3	2·6	74	94.	
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	1·7	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	37	27	23	0·4		51	64	97	•
Regents Pk. (Botanic Gardens)‡...	168	•	•	•	36	27	22	-	0·6	5·7	*	90.	•
Camden Square	110	xb	b	•	36	28	21	-	1		•	94.	•
Kensington	80	bcz	codx.	•	35	29	19	-	1	5·0	71 18h.	95.	•
Hampstead Observatory	450	bc	bc	ofxr	34	24	16	-	0·5	5·8	•	97	•

FOREIGN OBSERVATIONS.

18h. G.M.T. 7th December.

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1029·9	WNW	2	bc	34
Brussels	1027·9	N	1	C	34
Berlin	1022·0	-	0	Zo	36
Zürich					
Rome	1014·9.	SE'E	6	bc	52

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

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1033·0	-	0	0	30
1031·7	WSW	2	F	28
1030·0	SSW	2	*	34
1018·5	ESE	3	PR.	46

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

Max.	Time.	Min.	Time.
1·3	19-22h 7th	0·3	11-14h 7th

Kew Observatory.

Max.	Time.	Min.	Time.
0·5	20h 7th	<0·1	7h 7th

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
39	28	Tr.	-
36	28	7.	-
36	34	3	-
*	*	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

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

§ Sea disturbance reported from Dungeness.

* In this report observations at Upper Heyford refer 0800.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 9th December, 1936.
No. 27411.

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

Distnct.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	°Temp.	%Humid.	Visibility 0–9	Cloud. Form. Low	Form. Med.	Form. High	Amount. Low 0–10	Amount. Total 0–10	Height of Base (feet)	Sunshine 7th. Hrs.
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(36)
1	London (Kew)	1024·3	-22	SW	2	r₀r₀	42	95	4	6	2	-	10	10	800	6·3.
	Croydon ...	1024·4	-22	S'W	4	r₀r₀	41	95	5	6	-	-	10	10	450	3·8.
	S. Farnborough	1024·8	-18	WSW	2	r₀r₀	44	95	6	6	2	-	7-8	10	800	7·0.
	Boscombe Down	1024·3	-28	SW'S	3	d₀d₀	44	95	6	5	-	-	10	10	1500	7·2
	Calshot (Sthmtn.)	1025·4	-24	SW'W	3	c/r	48	95	6	3	7	-	7-8	10	2500	7·1.
	Lympne ...	1026·6	-26	SW'S	4	df	39	95	3	5	-	-	10	10	<150	6·8.
	Manston ...	1025·7	-24	SSW	4	r₀r₀	39	95	6	6	2	-	9+	10	450	5·3.
2	Shoeburyness ...	1024·7	-24	SSW	4	rr	40	95	7	6	2	-	9+	10	1500	5·8.
	Felixstowe ...															
	Gorleston ...	1022·9	-28	SSW	5	r₀r₀	36	95	4	6	-	-	10	10	1500	2·8.
	Mildenhall ...	1023·2	-14	SW	4	r₀r₀	37	95	4	-	2	-	10	10	450	6·0
	Cranwell ...	1021·8	0	WSW	4	df	40	95	5	6	2	-	10	10	450	5·1.
3	Birmingham ...	1022·6	-12	W	3	id₀	44	95	4	5	-	-	9+	9+	800	4·2. 5·2
	Upper Heyford	1023·6	-22	SSW	2	d₀d₀	41	95	5	5	-	7	10	10	450	*
4	Ross-on-Wye	1022·8	-20	SW	3	z₀	48	95	6	5	-	8	9	9+	2500	6·8.
5	Portland Bill ...	1025·8	-16	WSW	3	r₀r₀	50	95	7	5	-	-	10	10	1500	*
	Plymouth ...	1027·2	-14	W'S	2	id₀	50	95	6	6	-	-	10	10	800	0·7.
	The Lizard ...	1027·9	-12	WSW	5	pr₀	51	95	7	5	-	-	10	10	1500	*
	Scilly (St.Mary's)	1028·3	-16	W'N	5	c	52	95	7	3	-	-	9+	9+	1500	0·0.
	Guernsey ...	1028·0	-24	WSW	1	c	49	95	6	8	-	-	9	9	1500	0·0
6	Pembroke ...	1024·2	-4	NW'N	5	q	52	95	7	5	2	-	7-8	9+	2500	0·0.
7	Holyhead ...	1023·9	+12	NNW	4	c	48	80	8	2	-	6	4-6	7-8	2500	2·1.
	Chester(Sealand)	1022·9	+12	WN	4	c	47	85	7	5	-	-	9	9	4000	3·5.
8	Manchester ...	1022·2	+2	NW'N	2	z₀	46	80	6	1	3	1	1	2-3	4000	1·8.
10	Spurn Head ...	1020·0	-4	W'N	4	m	43	93	4	5	7	-	7-8	9+	800	2·5.
	Catterick ...	1020·6	0	NW'W	3	bc	45	66	8	-	4	5	0	2-3	-	6·2.
	Tynemouth ...	1020·1	+10	WNW	2	bc	46	75	6	4	-	-	2-3	2-3	2500	5·4.
11	Inchkeith ...	1020·3	+6	SW	3	bc	44	95	7	5	9	6	2-3	4-6	1500	3·5.
	Leuchars ...	1020·2	+6	W	2	b	45	65	8	4	-	1	Tr	Tr	4000	3·6.
12	Renfrew (Abbots I.)	1021·6	+10	W'N	2	c	46	75	8	8	6	5	2-3	7-8	4000	0·0.
	Eskdalemuir ...	1021·5	+4	WNW	2	b	42	75	7	5	-	1	Tr	Tr	4000	4·7.
	Point of Ayre...	1023·5	+8	N	3	c	47	85	8	3	4	4	4-6	7-8	2500	2·8.
13A	Tiree	1021·9	+14	NNW	5	c/pr	46	65	8	5	9	8	4-6	9+	2500	0·0.
13B	Stornoway ...	1018·5	+16	WSW	5	c/pr	42	95	8	8	7	3	4-6	9	1500	0·0.
15	Dalwhinnie ...	1021·5	+8	SW	3	c	38	85	7	4	6	-	4-6	9+	2500	0·3.
	Aberdeen ...	1018·6	+8	W'S	2	b	44	65	7	5	-	-	Tr	Tr	2500	1·0.
	Wick ...	1016·0	+14	W	3	bc/pr	40	85	8	8	7	-	4-6	4-6	1500	*
16	Lerwick ...	1010·1	+12	W	5	c/pr	44	75	8	8	7	-	4-6	7-8	1500	0·0.
17	Blacksod Point	1027·5	+6	NW	3	c	48	65	8	5	-	-	9	9	1500	*
18	Malin Head ...	1023·7	+6	W	4	bc	46	95	7	4	-	2	2-3	4-6	2500	0·0.
	Aldergrove ...	1024·5	+10	W	3	c	46	85	7	5	5	6	2-3	7-8	4000	0·0.
19	Birr Castle ...	1026·7	+4	NW	1	c	47	85	8	5	1	-	7-8	9+	2500	0·0
20	Valentia Obsy. †	1028·8	-2	NW'N	3	c	51	95	8	8	-	-	9	9	800	*
	Roches Point	1027·4	+2	NW	3	c	50	95	8	8	-	5	4-6	7-8	1500	etc.

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

Distnct.	Stations.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	°Temp. F.	%Humid.	Visibility 0–9	Cloud. Form. Low.	Form. Med.	Form. High.	Amount. Low 0–10	Amount. Total 0–10	Height of Base (feet)	State of Ground. 0–9	Sun. 0–9
		(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
1	London (Kew)	1024·0	+10	NW'W	2	r₀r₀	43	95	4	5	-	-	7-8	7-8	450	1	*
	Croydon ...	1023·6	+4	WNW	3	r₀r₀	45	95	4	-	2	-	10	10	450	1	*
	S. Farnborough	1024·0	+4	NNW	1	bc/d	45	95	5	6	-	-	4-6	4-6	450	1	*
	Boscombe Down	1024·6	+8	N	3	c/d	45	95	7	5	-	-	10	10	2500	1	*
	Calshot (Sthmtn.)	1023·7	+2	WNW	2	c/r	48	95	7	5	-	-	10	10	1500	1	1
	Lympne ...	1024·4	+10	SW'W	3	rF	42	95	1	-	-	-	10	10	<150	1	3
	Manston ...	1023·7	-6	SSW	4	r₀r₀	42	95	6	6	-	-	10	10	220	1	*
2	Shoeburyness ...	1023·4	0	SSW	2	rr	43	95	4	6	2	-	9+	10	1500	1	*
	Felixstowe ...																
	Gorleston ...	1022·4	+10	W'N	2	rf	39	95	3	6	-	-	10	10	800	1	3
	Mildenhall ...	1023·9	+14	NW'N	4	m	40	95	4	5	-	-	10	10	4000	1	*
	Cranwell ...	1024·6	+28	NW'N	2	z₀	36	95	5	5	-	-	2-3	2-3	2500	1	*
3	Birmingham ...	1025·1	+16	NW	3	z₀	42	85	5	5	-	-	10	10	1500	1	*
	Upper Heyford	1025·0	+16	NW	4	m	41	95	4	-	-	-	0	0	-	1	*
4	Ross-on-Wye	1024·7	+8	N'W	2	c	45	65	6	5	-	-	10	10	1500	1	*
5	Portland Bill ...	1023·7	-4	NW	3	pr₀	51	95	7	4	-	-	9	9	2500	1	3
	Plymouth ...	1025·5	+6	NW	3	ir₀	51	95	6	6	2	-	9	10	800	1	1
	The Lizard ...	1026·3	0	NW	4	pr₀	50	95	7	5	-	-	10	10	1500	1	2
	Scilly (St.Mary's)	1027·4	-2	NNW	5	d₀d₀	51	95	5	5	-	-	10	10	1500	1	3
	Guernsey ...	1025·9	-19	W	2	r₀r₀	50	95	4	5	-	-	10	10	1500	1	2
6	Pembroke ...	1025·5	+8	N'E	4	q	46	85	7	8	6	-	7-8	9+	2500	1	3
7	Holyhead ...	1025·6	+8	NNW	4	bc	47	75	8	2	4	-	2-3	4-6	2500	1	2
	Chester(Sealand)	1025·1	+14	WNW	3	z₀	42	95	6	5	-	-	10	10	5700	1	*
8	Manchester ...	1024·9	+12	NNW	1	z₀	37	95	5	-	4	-	0	1	-	1	*
10	Spurn Head ...	1023·2	+26	NW	2	bc	40	95	7	5	1	-	2-3	4-6	2500	1	1
	Catterick ...	1023·5	+2	W'N	1	b	38	85	7	-	4	-	0	1	-	1	*
	Tynemouth ...	1021·9	+10	SW	2	bc	40	85	5	3	-	-	2-3	2-3	1500	1	2
11	Inchkeith ...	1021·9	+2	SW	2	z₀	42	95	6	5	-	-	10	10	1500	0	2
	Leuchars ...	1022·4	+16	WNW	2	c	39	85	8	5	7	-	4-6	9+	4000	1	*
12	Renfrew (Abbots I.)	1024·0	+16	W'N	3	b	40	85	8	5	-	-	1	1	4000	1	*
	Eskdalemuir ...	1023·6	+6	WNW	2	c	39	85	7	5	-	1	7-8	9+	2500	6	*
	Point of Ayre...	1024·5	+4	NW'N	2	bc	47	95	8	9	-	-	4-6	4-6	2500	1	2
13A	Tiree	1023·8	+16	NW'W	2	c/r	44	95	8	5	7	-	7-8	9	1500	1	2
13B	Stornoway ...	1021·2	+20	WSW	3	c/pr	41	95	8	8	7	-	4-6	7-8	1500	1	1
15	Dalwhinnie ...	1023·3	+14	SW	3	bc	37	85	7	4	-	-	4-6	4-6	2500	6	*
	Aberdeen ...	1021·3	+14	SW'W	2	z₀	40	75	6	5	-	1	4-6	4-6	2500	4	1
	Wick ...	1018·3	+12	W	3	c	38	95	8	8	7	-	4-6	7-8	1500	1	2
16	Lerwick ...	1019·3	+20	WNW	5	bc	42	75	8	8	-	-	4-6	4-6	1500	1	*
17	Blacksod Point	1028·6	+6	NW	3	bc	46	75	8	5	-	-	4-6	4-6	1500	1	3
18	Malin Head ...	1025·4	+10	NNW	3	bc	46	95	7	4	-	-	4-6	4-6	1500	1	2
	Aldergrove ...	1026·3	+10	W	2	b	40	95	8	5	-	-	1	1	1500	1	*
19	Birr Castle ...	1027·8	+6	NW	1	c	43	95	8	5	-	-	9+	9+	4000	1	*
20	Valentia Obsy. †	1029·8	+6	N	3	c	48	85	8	5	-	-	10	10	1500	1	2
	Roches Point	1028·6	+12	N	3	c	48	85	8	5	-	-	7-8	7-8	1500	1	2

PAST 24 HOURS.

Distnct.	Stations.	Weather. 7h.—18h. 8th	Weather. 18h.—18h. 8th	Weather. 18h.—1h. 9th	Weather. 1h.—7h. 9th
		(37)	(38)	(39)	(40)
1	London (Kew)	cd₀r₀r	cd₀fr₀m	r₀Fm.	bmx
	Croydon ...	r₀r₀d₀d₀m	r₀r₀d₀d₀m	r₀d₀fFe	mfbmfx
	S. Farnborough	rd₀mr₀r₀	or₀r₀d₀m	bcbxm₀	bxfOF.
	Boscombe Down	odd₀ffgd	cdd₀rrc	ccm₀	cm₀OF
	Calshot (Sthmtn.)	cdrrr₀	cdrm₀r₀	cbcbwm₀	bwm₀
	Lympne ...	czo₀d₀df	djrrm₀f	rrfmf.	ffm₀
	Manston ...	cor₀r₀m₀	orrr₀r₀m₀	r₀r₀om.	bmcm₀
2	Shoeburyness ...	ddrrc	rrddc	rrddx	cxcm₀
	Felixstowe ...				
	Gorleston ...	cor₀r₀	or₀r₀ff	bffbc.	bcz₀
	Mildenhall ...	d₀d₀rrm	FFd₀orm	om₀bffx.	bffoffx
	Cranwell ...	d₀R₀R₀r₀	cfbcm	bcm₀bm₀	bm₀bm₀
3	Birmingham ...	orcid	co	obc.	bcF
	Upper Heyford	fFirc	d₀d₀fd₀c	bm₀bf.	bf₀bFx.
4	Ross-on-Wye	cfborc	c	cm₀bm₀	bcc
5	Portland Bill ...	iro	ropro	bcbc.	bcbz₀
	Plymouth ...	cm₀mr₀d₀d₀	or₀r₀d₀ir₀	cr₀m₀bc.	bcb
	The Lizard ...	c	rrmpr	cpr₀c.	cbc.
	Scilly (St.Mary's)	cir₀c	oddmff	od₀bcc	cbc.
	Guernsey ...	od₀r₀	cir₀	or₀c	cbc.
6	Pembroke ...	cir₀q	cq	cbc	bcpr₀
7	Holyhead ...	rid₀k₀c	c,bc	bc	bc.
	Chester(Sealand)	rrm₀c	cm₀	cm₀	cm₀
8	Manchester ...	rrFd₀r₀	bcbm₀	bm₀fx	bf₀bFfe.
10	Spurn Head ...	rrfom	mfcbc	zbc	bcz.
	Catterick ...	cd₀r₀bc	bbcb	bx.	bx
	Tynemouth ...	oirbc	bc	bc	bc
11	Inchkeith ...	cbc	bccz₀	m₀tw	m/bcz₀.
	Leuchars ...	cbcb	bbcc	c'bcbx	bx
12	Renfrew (Abbots I.)	bc	bcpr₀b	bm₀	bm₀x.
	Eskdalemuir ...	cm₀bcb	bbcc	cb,cx.	cxbx
	Point of Ayre...	pr₀c	c	pr₀bc	bcbb
13A	Tiree	cprq	cird	c.	cbc
13B	Stornoway ...	cprq	cprq	c'bcpr	bcc.
15	Dalwhinnie ...	c	irc	*	bc.
	Aberdeen ...	b	bcz₀	cbz₀c.	z₀c'bx.
	Wick ...	bcmpr	cprc	cpr₀c	c.
16	Lerwick ...	bccpr	bcpr₀	bcpr.	bc.
17	Blacksod Point	pr₀c	ir₀c	bc	bc.
18	Malin Head ...	cpr₀	cprc	bc.	bc.
	Aldergrove ...	cddb,c	cir₀cb	bbx	bx
19	Birr Castle ...	oirbc	c	cb.	bx
20	Valentia Obsy. †	cr₀r₀c	cid₀c	cbc	b'bcw
	Roches Point	coddc	cbcc	cbcw.	bcwbw.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⟋ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus :—bc/r, fair weather after rain; —, has decreased; + has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

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

† Sea disturbance reported from Dungeness.

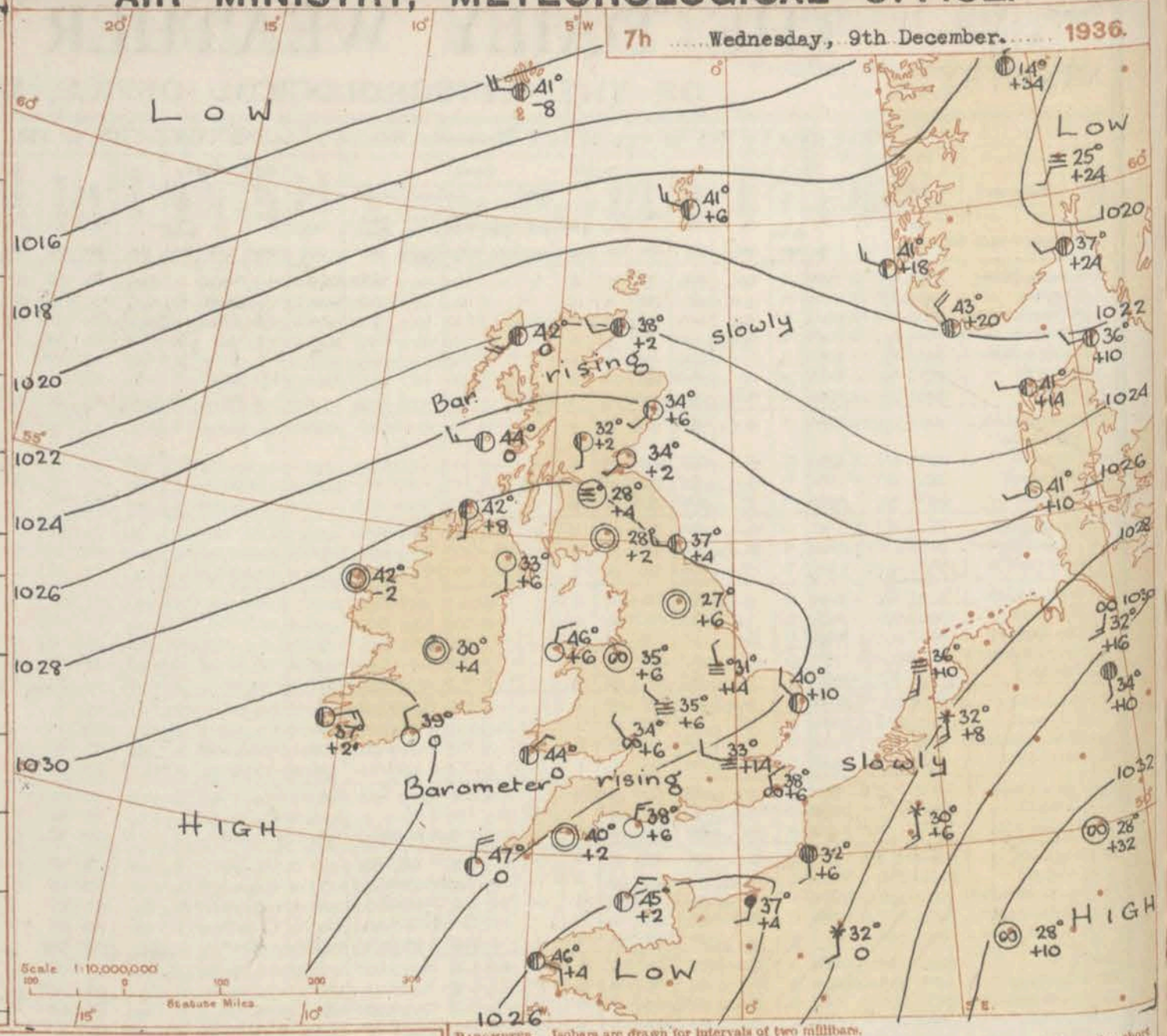
REPORTS from HEALTH RESORTS for ... December 8th ... 1936.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F). Min. 9h. 7th to 9h. 8th	Temperature (F). Max. 9h.—17h. 8th	Rainfall (mm). Night. 17h. 7th to 9h. 8th	Rainfall (mm). Day. 9h.—17h. 8th	Sunshine hrs. Sunrise to Sunset. 8th
1	Tunbridge W.	omod	or	26	43	0·3	4	0·0
	Bournemouth	oro	odm	23	49	2	1	0·0
	Ventnor ...	orm	orm	30	45	3	5	0·0
	Southsea ...	or₀d	or₀d	28	48	3	2	0·0
	Bognor Regis	rsrr	oir	*	48	2	2	0·0
	Littlehampton	oid	odd	27	47	1	3	0·0
	Worthing ...	oir₀	or₀r₀	29	47	1	6	0·0
	Brighton ...	dd	dd	28	47	0·4	6	0·0
	Eastbourne†	oddrr	rrdd	27	45	0·2	5	0·0
	Hastings† ...	odd	orod	27	48	Trace	2	0·0
	Folkestone ...	xorod	orr	27	43	-	7	0·0
	Dover... ...	od₀	dr₀o	27	45	-	1	0·0
	Deal	o	ir₀	27	41	-	2	0·0
	Ramsgate ...	cr	rdr	28	42	-	5	0·0
	Margate ...	cr	cr	28	42	-	5	0·0
2	Southend ...	or	orrf	26	42	Trace	4	0·0
	Maldon ...	mdor	rr	23	42	Trace	4	0·0
	Clacton-on-Sea	odr	ordm	24	41	Trace	7	0·0
	Dovercourt ...	doc	pocf	25	41	Trace	7	0·0
	Lowestoft ...	om₀rr	Rfer	26	38	Trace	7	0·0
	Skegness ...	orr	ocmc	26	40	0·5	5	0·0
	Mablethorpe	oRgr	ocm₀	24	41	5	5	0·2
	Cleethorpes ...	or	orbc	28	43	1	3	0·2
3	Leamington S.	opr	opr	24	45	0·4	2	0·0
4	Cheltenham†	fcor	o₀bc	26	47	2	1	0·0
5	Bath	fr	frc	25	49	2	3	0·0
	Weymouth ...	id₀	id₀	28	51	1	0·3	0·0
	Jersey ...	cdc	drcd	32	49	Trace	2	0·0
	Torquay ...	cr₀p	cod₀p	36	52	1	0·3	0·2
	Penzance ...	cid	cid	42	53	1	1	0·0
	St. Ives ...	o	dd	42	52	-	0·5	0·0
	Bude	oad	od	39	51	1	1	0·0
	Ilfracombe ...	pcoc	cpo	40	52	0·3	2	0·0
6	Aberystwyth	rrprc	c	36	47	5	2	0·1
7	Llandudno ...	r₀roc	ccp₀	33	49	6	2	0·0
	Colwyn Bay...	rroco	ooccp	34	49	7	1	0·0
	Rhyl	od₀rc	c	31	52	3	2	0·0
8	Wallasey ...	rcbc	bc	30	48	3	1	0·5
	Southport‖ ...	rrcbc	bccbc	30	47	6	0·3	1·5
	Blackpool ...	orc	bcc	30	48	7	-	3·2
	Morecambe ...	rbbcc	cbccm	25	46	6	-	3·7
9	Ilkley	ro	cbc	23	47	3	1	2·9
	Harrogate ...	cr₀bc	bc	23	46	0·5	0·2	2·3
10	Berwick-on-T.	bcb	bc	28	45	1	-	4·1
11	Dunbar ...	bcr₀	bc	31	43	1	-	3·9
12	Troon... ...	bcchb	cbcoc	26	49	5	1	2·0
	Douglas ...	cboid	coido	28	48	3	1	1·1

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Wednesday, 9th December..... 1936.



Barometer. Isobars are drawn for intervals of two millibars.

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

Temperature is given in degrees F.

Weather Symbols:— Clear sky. Sky less than ⅛ clouded. Sky ⅛ to ⅝ clouded. Sky ⅝ to ⅞ clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

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 December 1936.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light variable or northerly winds; mainly fair apart from fog chiefly near populous areas; cold.
5 S.W. England 6 South Wales ... 7 North Wales ...	Light variable or northerly winds, becoming southerly later: mainly fair at first, becoming cloudy with occasional rain; average temperature.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Light variable winds, freshening from south later; foggy in places at first, becoming cloudy with occasional rain later; cold at first but temperature rising later.
13 { A. W. Scotl^d. / B.N.W. Scotland. } 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland	Light or moderate southwest or south winds, increasing to strong or gale, veering west later; cloudy with occasional rain later; average temperature.
18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light southerly winds, freshening and veering west later; becoming cloudy with occasional rain later; average temperature.

GENERAL INFERENCE.

A deep depression north of Iceland is moving east and a wedge of high pressure lies over the British Isles. Weather will be mainly fair at first apart from fog over England but later cloudy conditions with rain will spread across Scotland and Ireland. Temperatures will be low in foggy areas.

FURTHER OUTLOOK.

Quiet foggy conditions are likely to persist in the South.

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

Forecasts issued at 1030 G.M.T.

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

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

Morning of

WEDNESDAY,
9TH, DECEMBER.

1936.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = 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, 9th December, 1936

No. 27411.

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	% Hufield.	Visibility. 0-9	Cloud. Form. Low	Cloud. Form. Med.	Cloud. Form. High	Cloud. Amount. Low 0-10	Cloud. Amount. Total 0-10	Height of Base. (feet)
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1026·0	0	NE	1	my	37	95	4	5	-	-	10	10	450.
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1024·7	+8	N'E	5	f+	40	95	2	-	-	-	10	10	<150
	Manston ...	142	1024·7	+12	NW	2	my	41	95	4	5	-	-	10	10	450
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Mildenhall ...	19	1024·3	+16	NW'W	2	bc	36	95	6	5	-	-	4·6	4·6	2500
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1025·1	+4	NNE	2	bc	42	95	7	4	-	-	4·6	4·6	2500.
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1027·6	0	NNW	2	c	45	85	8	8	-	-	9+	9+	2500
	Scilly (St.Mary's)	163	1028·0	0	N'E	4	c	48	65	8	5	-	-	10	10	2500.
	Guernsey ..	175	1025·2	-2	NE	5	c	47	75	6	8	-	-	7·8	7·8	2500.
6	Pembroke ...	142	1027·1	0	N'E	3	bc	44	85	7	5	-	-	4·6	4·6	2500.
7	Holyhead ...	26	1027·2	+6	NW	3	bc	46	85	8	2	-	-	2·3	2·3	2500
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1025·9	+10	NW	2	bc	38	95	6	-	1	-	0	2·3	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1025·8	+14	W	3	bc	37	85	6	5	-	-	2·3	2·3	1500
11	Inchkeith ...	190	1025·6	+4	SW	3	my	39	95	4	5	-	-	4·6	4·6	800.
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1027·1	+6	NW	3	bc	46	95	8	4	-	-	2·3	2·3	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1023·1	+10	WSW	3	bc	40	95	8	5	-	-	2·3	2·3	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1022·4	+16	W	3	c	37	95	8	8	7	-	4·6	7·8	1500.
16	Lerwick ...	156	1018·3	+18	WNW	4	bc	42	75	8	8	-	-	2·3	2·3	1500
17	Blacksod Point	18	1029·5	+8	NW	2	bc	41	85	8	4	-	-	2·3	2·3	1500.
18	Malin Head ...	52	1027·5	+6	NW	1	bc	45	95	7	5	-	-	2·3	2·3	4000
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1030·4	0	-	0	bc	44	95	8	5	-	-	2·3	2·3	1500.
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	% Humid.	Visibility 0-9	Cloud. Form. Low.	Cloud. Form. Med.	Cloud. Form. High	Cloud. Amount Low 0-10	Cloud. Amount Total 0-10	Height of Base (feet)	State of Ground. 0-9	Sea. 0-9
(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
1028·1	+20	NNE	2	m	34	95	4	-	-	-	0	0	-	5	*
1027·7	+14	WNW	2	f	33	95	3	-	-	-	10	10	<150	1	*
1028·0	+8	-	0	F	31	95	1	-	-	-	10	10	<150	5	*
1028·8	+10	NNW	2	F+	32	95	1	-	-	-	10	10	<150	1	*
1026·9	+10	NW	3	Zo	36	95	6	5	-	-	Tr	Tr	4000	1	2
1026·4	+6	NW	2	Zo	38	95	5	5	-	-	10	10	220	1	*
1025·8	+8	N'E	3	c	44	95	7	8	-	-	10	10	2500	1	*
1026·8	+12	NNW	2	c	37	95	5	5	-	-	9+	9+	2500	1	*
1027·1	+10	NW	2	bc	40	95	6	5	-	-	2·3	2·3	2500	1	2
1027·9	+12	-	0	f-	29	95	3	-	-	-	10	10	<150	1	*
1028·4	+14	NNW	1	my	31	95	4	-	-	-	0	0	-	1	*
1028·9	+6	NW	1	F	35	95	1	-	-	-	10	10	<150	1	*
1028·9	+14	N	1	bF	31	95	1	-	-	-	0	0	-	1	*
1028·7	+6	NW	1	Zo	34	95	6	5	-	-	10	10	1500	1	*
1026·5	+6	NNE	3	b	38	95	6	-	-	-	0	0	-	1	3
1027·8	+2	-	0	b	40	95	7	-	-	-	0	0	-	1	1
1028·3	+4	NW	2	bc	41	85	8	4	4	-	2·3	2·3	2500	1	2
1028·6	0	NE	4	bc	47	75	8	2	4	-	4·6	4·6	2500	1	3
1025·9	+2	NE'N	3	bc	45	85	6	8	-	-	4·6	4·6	1500	1	3
1028·3	0	NE	1	bc	44	95	7	8	2	-	4·6	4·6	4000	1	2
1028·7	+6	N'E	2	bc	46	85	8	1	-	5	2·3	4·6	2500	1	2
1028·3	+6	-	0	Zo	36	95	5	5	-	-	9+	9+	2500	1	*
1028·8	+10	SE	1	F	34	95	0	-	-	-	10	10	<150	1	*
1028·3	+14	NW	2	Zo	35	95	5	-	1	-	0	2·3	-	0	1
1028·6	+6	-	0	b	27	95	7	-	-	5	0	Tr	-	4	*
1027·5	+4	W	3	bc	37	95	7	4	-	-	2·3	2·3	2500	1	1
1026·7	+4	SW	2	Zo	38	95	6	5	-	-	2·3	2·3	800.	0	1
1027·1	+2	SW	1	b	34	85	8	5	-	-	1	1	2500	4	*
1028·2	+4	-	0	m	28	95	4	5	-	-	Tr	Tr	4000	1	*
1029·3	+2	-	0	b	28	95	8	-	3	1	0	1	-	5	*
1028·6	+4	N	2	bc	45	85	8	4	4	-	1	2·3	2500	1	1
1026·1	0	W'S	3	bc	44	85	8	5	4	-	2·3	2·3	2500	0	*
1024·3	0	SW	3	c	42	95	8	5	4	-	4·6	7·8	1500	1	2
1028·0	+2	S	1	bc	32	95	7	4	6	-	2·3	2·3	2500	6	*
1026·0	+6	SW	1	b	34	85	7	-	4	-	0	1	-	4	1
1023·7	+2	WSW	2	c	38	95	8	8	7	-	4·6	7·8	1500	1	1
1021·1	+6	WNW	3	bc	41	85	8	5	7	-	2·3	4·6	2500	1	*
1029·0	-2	-	0	b	42	95	8	4	-	-	1	1	2500	0	3
1028·2	+8	S	1	bc	42	95	7	4	-	-	2·3	2·3	4000	0	2
1029·8	+6	S	2	b	33	95	8	-	-	1	0	Tr	-	1	*
1029·5	+4	-	0	b	30	95	7	-	-	-	0	0	-	1	*
1030·6	+2	ENE	3	bc	37	95	8	5	3	8	1	4·6	4000	1	3
1030·6	0	NNW	2	b	39	95	8	-	-	-	0	0	-	1	2

PAST 24 HOURS.

Temperature. Max. Day 7h-18h °F.	Temperature. Min. Night 18h-7h °F.	Min. on Grass °F.	Rainfall. Day 7h-18h mm.	Rainfall. Night 18h-7h mm.	Sunshine Yesterday Hrs.
(31)	(32)	(33)	(34)	(35)	(36)
44	34	24	4	0·1	0·0.
45	33	29	6	1	0·0.
46	29	21.	5	Tr	0·0.
47	31	26	1	Tr	0·0.
48	36	33	3	Tr	0·0.
42	38	37	8	2	0·0.
42	40	39	7	3	0·0
45	33	27	5	0·5	0·0.
39	36	33	6	0·2	0·0
40	27	22	8	Tr	0·0.
41	31	24	5	Tr	0·0
45	34	29	1	-	0·0.
44	30	29	2	-	*
49	33	26	1	-	0·0
51	37	*	1	-	*
52	39	34	1	Tr	0·0.
51	41	*	2	0·2	*
52	45	*	1	0·4	0·0.
51	45	40	3	1	0·0.
53	41	*	0·6	Tr	0·1.
52	45	40	2	-	0·3.
50	32	26	2	-	0·0.
46	32	26	7	Tr	1·4.
43	35	*	8	-	1·0
46	27	20	0·4	-	3·2
47	35	30	1	-	2·0
46	37	33	-	-	3·3.
45	32	22	-	-	3·6.
47	27	22	0·3	-	2·8.
43	27	21	0·2	-	4·0.
50	44	*	0·1	0·3	1·5
47	41	36	1	-	0·2
44	37	*	2	0·3	0·6
46	28	20	0·1	-	1·1.
44	33	26	-	-	4·2.
41	35	*	1	0·3.	*
45	40	*	0·6	1	0·5.
52	38.	*	Tr	-	*
49	40	*	1	-	0·9.
46	32	27	0·2	-	2·6
51	30	19	0·3	-	0·8.
52	34	30	1	Tr	0·3
51	35.	*	1	Tr.	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	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	cdor,r	cdfr,m	rfbx	44	34	24	4	0·1	0·0	*	*	2
Croydon	217	r,rdd,m	r,rf,Rm	rdfe	41	33	29	6	1	0·0	*	*	1
Greenwich (Royal Observatory)...	149	dcdm	rrm	bcbxmF	45	32	23	6	Tr	0·0	97	97	1.
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	45	36	30	5		0·0	97	96.	*
Regents Pk. (Botanic Gardens)‡...	158	*	*	*	45	33	29	5	0·3	0·0	97	95.	*
Camden Square	110	ador	or	*	40	33	27	5	Tr	*	*	99.	*
Kensington	80	bxof	codm	*	44	33	23	5	0·4	0·0	98 18h.	95.	*
Hampstead Observatory	440	orf	of	omfxc	43	31	24	5	0·2	0·0.	*	98.	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
1·0	15-18h. 8th.	0·3	3-5h. 9th.

Kew Observatory. Max.	Time.	Min.	Time.
0·8	21h. 8th.	<0·1	7h. 8th.

FOREIGN OBSERVATIONS.

18h. G.M.T. December 8th.

Stations	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1029·8	S	2	m	52
Brussels	1027·8	SW	3	0	52
Berlin	1031·6	S	3	Zo	50
Zürich	1029·1	ENE	1	bc	50
Rome	1021·9	S	1	0	48

7h. G.M.T. December 9th.

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1028·3	S	2	1So	52
1028·3	S	3	SoSo	50
1032·5	-	0	m	27
1030·8	SE	1	0	50
1019·9	NE	2	c	48

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
54	32	-	1
56	30	-	3
56	25	-	-
54	28	-	-
*	*	-	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 8, 22 — Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

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

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 10th December, 1936.
No. 27412.

Direction.	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 9th December: Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direct. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. F. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)	OBSERVATIONS at 18h. G.M.T. 9th December: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direct. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)	PAST 24 HOURS. Weather. 7h.–13h. 9th (37)	13h.–18h. 9th (38)	18h. 9th to 1h. 10th (39)	1h.–7h. 10th (40)
1	London (Kew)	1029·6	+4	NW	2	f	37	95	2	-	-	-	10	10	<150	1031·7	+16	N	2	m	37	95	4	5	-	-	10	10	450	1	*	fxFf	ffom	omofcm	cm.
	Croydon ...	1029·4	+6	WNW	1	F	34	95	1	-	-	-	10	10	<150	1030·4	+10	WNW	1	F	38	95	1	-	-	-	10	10	<150	1	*	aff fe	oFFe	oFeFef	affeidom
	S. Farnborough	1030·1	+4	-	0	F	34	85	1	-	-	-	10	10	<150	1030·8	+6	-	0	F	36	95	1	-	-	-	10	10	<150	1	*	FexFo	oFFeo	oFeFe	FeFeo
	Boscombe Down	1030·2	+6	N	2	m	35	95	4	5	-	-	10	10	800	1031·1	+6	NE	2	f	34	95	2	-	-	-	10	10	<150	1	*	of ffom	omoff	off cm.	cm.
	Calshot (Stmtn.)	1029·1	+8	NNW	3	f	37	95	3	-	-	-	10	10	<150	1030·2	+14	N'W	3	m	37	95	4	6	-	-	10	10	450	1	2	brfoff	offm	om	ome
	Lympne ...	1029·2	+12	N	2	f	39	95	3	5	-	-	10	10	220	1030·7	+6	ESE	2	z_o	39	95	5	5	-	-	9+	9+	220	1	§ 1	om.omf	fbcffd.d	om.omd.	omd.m.
	Manston ...	1028·5	+6	-	0	z_o	43	95	6	6	-	-	9	9	4000	1030·5	+6	SE	3	z_o	40	85	6	5	-	-	4-6	4-6	2500	1	*	ccmo	cbcmo	bcmoc	c
2	Shoeburyness ...	1028·8	+12	NNW	2	c/r	40	95	4	5	-	-	9+	9+	1500	1030·3	+10	-	0	f	39	95	2	5	-	-	2-3	2-3	2500	1	*	ffrrc	cmbf	fcmo	moc
	Felixstowe ...																																				
	Gorleston ...	1029·3	+4	N	2	bc	45	95	7	2	-	1	2-3	2-3	2500	1031·0	+6	-	0	c	41	95	6	5	-	-	7-8	7-8	2500	1	2	bcfftbc	bcc	boff z_o	$o z_o z_o$
	Mildenhall ...	1030·2	+2	-	0	F	32	95	1	-	-	1	10	10	-	1031·1	+10	-	0	F	27	95	1	-	-	-	10	10	<150	4	*	ff	FFx	oFFex	oFFeff
	Cranwell ...	1030·3	0	NNW	1	m	36	95	4	-	-	1	0	2-3	-	1031·2	+6	-	0	m	29	95	4	-	4	-	0	Tr	-	4	*	bcfem	bm	bm	bmofex
3	Birmingham ...	1030·5	-2	-	0	F	35	95	0	-	-	-	10	10	<150	1031·6	+4	WNW	1	F	32	95	0	-	-	-	10	10	<150	1	*	FF	FF	FF	fom
	Upper Heyford	1030·5	0	NNW	1	F	33	95	1	-	-	-	10	10	<150	1032·2	+14	N	1	F	29	95	1	-	-	-	10	10	<150	1	*	bfxF	FFx	FFx	FFxf
4	Ross-on-Wye	1030·0	+4	NNW	1	z_o	38	95	5	5	-	-	10	10	450	1030·8	+4	NE	1	f	35	95	2	5	-	-	10	10	220	1	*	cm.om.	omof	foF	FFe
5	Portland Bill ...	1029·2	+6	NNE	3	c	43	95	6	5	-	-	4-6	7-8	2500	1029·1	+10	NE	3	bc	39	95	6	4	-	-	2-3	2-3	1500	1	3	bccz$_o$	cbcz$_o$	off	ofc
	Plymouth ...	1029·2	-2	N'E	2	bc	47	75	8	7	-	1	1	2-3	2500	1029·8	+10	NE'E	1	z_o	41	85	6	-	-	-	0	0	-	1	1	bbcmo	bmo	bmow	bmobc
	The Lizard ...	1029·1	0	NNE	3	bc	47	75	8	4	4	-	2-3	4-6	2500	1029·8	+6	N'E	3	bc	41	85	8	8	-	-	2-3	2-3	2500	1	2	bc	bc	bc	bc
	Scilly (St. Mary's)	1029·4	-2	NE'E	3	bc	50	75	8	8	6	2	4-6	4-6	2500	1029·7	+4	NE	3	bc	46	75	8	8	-	-	2-3	2-3	2500	1	2	bccbc	bc	bcbbc	bcbbc
	Guernsey ...	1027·1	+2	NE'E	3	c	46	85	6	8	-	-	9	9	2500	1027·7	+12	NE	3	c	46	85	6	8	-	-	10	10	1500	1	3	bcc	c	croc	c
6	Pembroke ...	1029·8	+2	-	0	bc	47	85	8	5	2	-	2-3	4-6	4000	1029·9	+6	E'N	1	bc	43	85	8	5	3	-	2-3	4-6	4000	1	1	bc	bcbbc	bbcmow	cbcmow
7	Holyhead ...	1029·4	-6	WNW	1	bc	49	75	7	2	-	1	2-3	4-6	2500	1029·9	+6	SW'W	1	bc	41	95	6	2	8	-	1	2-3	2500	1	1	fbc	bcz$_o$	bmobw	bw,c
	Chester (Sealand)	1030·1	0	SE	2	F	38	95	1	-	-	-	10	10	<150	1030·4	+4	SE	2	F	37	96	0	-	-	-	10	10	<150	1	*	offe	oFFe		offe
8	Manchester ...	1030·6	+2	SW	1	F	31	95	0	-	-	-	10	10	<150	1031·2	+6	SE	1	F	32	95	1	-	-	-	10	10	<150	1	*	offe	offe		oFFe
10	Spurn Head ...	1030·0	0	NW	2	m	40	95	4	6	1	-	4-6	4-6	800	1030·7	0	-	0	f	38	95	2	5	-	-	7-8	7-8	<150	0	1	zbcm	mbcf	ffm	mFF
	Catterick ...	1028·7	-6	SE	1	z_o	40	75	6	-	-	1	0	Tr	-	1030·0	+4	S'E	2	z_o	33	95	5	-	-	-	0	0	-	4	*	bxb	bcz$_o$bz$_o$	bm.mxf	oFx
	Tynemouth ...	1028·9	0	SW	2	f	40	85	3	5	-	-	4-6	4-6	800	1028·9	+6	W	1	f	38	76	8	5	-	-	4-6	4-6	800	1	1	beff	bcff	bcffm	bbc
11	Inchkeith ...	1028·5	+6	SW	2	z_o	41	95	6	5	-	-	9+	8+	1500	1026·6	-4	SW	3	JP	42	95	7	5	-	-	2-3	2-3	2500	0	2	$z_o z_o$	$z_o$bc	bcc	c
12	Leuchars ...	1027·5	-6	SW	2	c	38	85	6	-	7	2	0	7-8	-	1026·5	-8	SW	2	m	37	95	4	5	7	-	2-3	2-3	2500	1	*	bxcmo	cmocm	bcmcm	c
	Renfrew (Abbotsl.)	1028·1	-6	E'S	1	f	35	86	2	5	3	3	7-8	9	4000	1027·6	+2	WSW	2	z_o	39	95	6	5	-	-	2-3	2-3	5700	1	*	bcfffff	bcffbm.	bbccm	cm.
	Eskdalemuir ...	1029·7	-2	-	0	bc	35	75	7	5	7	1	1	4-6	1500	1029·0	0	SW	2	c	36	95	6	5	-	-	9+	9+	2500	A	*	bxbc	bcfmo	cofe	offe
	Point of Ayre ...	1029·4	+2	WSW	1	c	47	95	8	2	4	-	2-3	7-8	2500	1029·3	-2	SW	2	b	37	95	8	-	6	-	0	1	-	1	1	bcc	cbc	bcbc	cbc
13A	Tiree	1025·3	-10	SW	4	c	47	75	8	5	7	-	9	9+	2500	1023·1	-12	SSW	6	c/r	46	85	7	5	7	-	9+	10	1500	1	3	c	cir$_o$	cd.od	od.do
13B	Stornoway ...	1021·1	-20	SSW	5	c	47	85	8	5	5	5	4-6	9+	2500	1017·8	-6	SSW	7	pr$_o$	47	95	7	5	2	-	7-8	10	1600	1	5	c	cpr$_o$c	r$_o$r$_o$,c	cr.c
15	Dalwhinnie ...	1027·1	-12	SW	2	c	37	95	7	4	5	-	4-6	10	2500	1025·9	-8	S	4	c	41	75	7	4	6	-	4-6	9+	2500	6	*	c	iroc		ciro
	Aberdeen ...	1025·8	-10	S'W	1	if	40	75	3	-	7	8	0	4-6	-	1024·0	-8	S'W	1	z_o	38	85	5	-	-	-	0	0	-	4	1	bxbef	cfbz$_o$	bzcmb	cbcc
16	Wick ...	1022·6	-8	SW	4	c	42	85	8	5	7	9	4-6	7-8	2500	1020·2	-4	SW	4	ir	43	85	8	5	2	-	7-8	10	1500	1	3	c	cir	cir.c	c
	Lerwick ...	1019·9	-16	SW	4	c/pr	45	75	7	8	1	8	4-6	9	800	1016·3	-24	SW	6	pr$_o$	46	75	7	8	2	-	7-8	10	800	1	*	bccpr$_o$	cpr$_o$	cr$_o$r$_o$m$_o$	cr$_o$r$_o$m$_o$
17	Blacksod Point	1027·8	-10	S	3	c	48	85	7	5	-	-	10	9/10	800	1026·3	-6	S	4	ir$_o$	48	95	7	6	-	-	10	10	800	1	3	c	ir$_o$	id	id
18	Malin Head ...	1028·0	-10	S	2	c	44	95	7	5	-	-	7-8	7-8	4000	1025·0	-20	S	3	c	44	95	6	8	-	-	9	9	1500	0	2	c	c	C	c
	Aldergrove ...	1029·5	-10	S	2	z_o	38	95	6	-	-	8	0	2-3	-	1028·8	+6	S	2	z_o	38	95	6	-	4	8	0	2-3	-	1	*	bxbcb	bbcmo	bcmoc	cr.c
19	Birr Castle ...	1030·5	-4	SW	1	bc	40	95	8	-	3	-	0	4-6	-	1030·0	-4	SW	1	c	40	95	8	5	-	-	7-8	7-8	4000	1	*	bbc	bcc	c	coid.
20	Valentia Obsy. †	1030·2	-2	S	2	bc	47	85	8	5	3	6	1	4-6	4000	1029·6	-2	SSE	4	c	47	85	8	5	-	-	10	10	1600	1	3	bcxcbc	bcc	cld.c	coid.
	Roches Point	1031·9	+2	N	2	z_o	43	85	5	-	-	9	0	2-3	-	1030·7	-2	N	1	bc	42	95	8	5	-	1	2-3	4-6	2500	1	1	bwbcz$_o$	bcz$_o$bw	bcw	bcwc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

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

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 Ragged low clouds of bad weather. (or Fracto-nimbus).
7 Fair weather Cu and St-Cu.
8 Large-Cu (or Cu-Nb) and St-Cu.
9 Large-Cu (or Cu-Nb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo-stratus (Nb-St).
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.

† Sea disturbance reported from Dungeness.

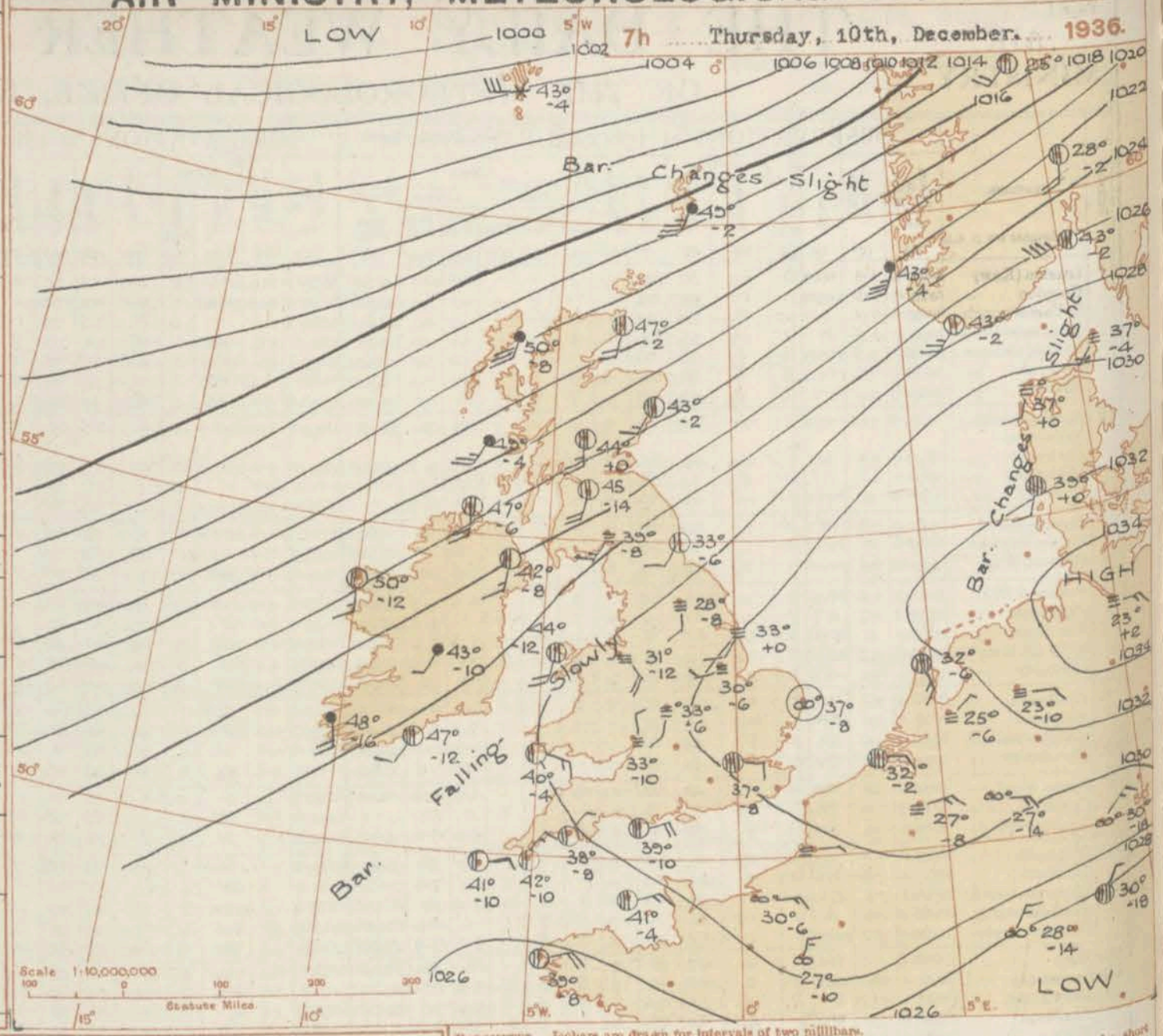
REPORTS from HEALTH RESORTS for 9th December 1936.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F) Min. 9h. 8th to 9h. 9th.	Temperature (F) Max. 9h.—17h. 9th.	Rainfall (mm) Night. 17h. 8th to 9h. 9th	Rainfall (mm) Day. 9h.—17h. 9th.	Sunshine (hr.) Sunrise to Sunset. 9th.
1	Tunbridge W.	of	of	35	40	2	-	0·0
	Bournemouth	oc	mb	33	41	-	-	2·7
	Ventnor ..	rxbz	cbz	36	41	2	-	4·7
	Southsea ...	bcbm	bcom	35	39	1	-	1·3
	Bognor Regis	bbcc	fec	35	38	2	-	0·8
	Littlehampton	c	com	34	39	2	-	0·0
	Worthing ...	o	o	37	41	1	-	0·1
	Brighton ...	dcb	cb	38	43	2	0·1	1·1
	Eastbourne†	o	o	39	45	3	-	0·0
	Hastings† ...	coc	omom	38	46	3	-	0·0
	Folkestone ...	co	o	37	44	8	-	0·1
	Dover... ...	oc	co	36	43	12	-	0·0
	Deal	ro	o	38	46	4	-	0·0
	Ramsgate ...	c	c	38	45	4	-	0·3
	Margate ...	c	bc	37	45	3	-	0·4
2	Southend ...	bfcm	cdom	35	41	2	Trace	0·0
	Maldon ...	foc	cfo	35	40	1	Trace	0·2
	Clacton-on-Sea	bcfom	cirdm	34	42	1	2	0·2
	Dovercourt ...	dfjb	rbcc	34	42	1	0·4	0·0
	Lowestoft ...	bfm	bm	32	45	0·4	-	4·7
	Skegness ...	xmbm	bcnf	33	40	-	Trace	3·2
	Mablethorpe	xmbc	bcnf	30	37	-	-	3·7
	Cleethorpes ...	fcom	of	31	39	-	-	0·0
3	Leamington S.	ofc	ofs	31	33	Trace	-	0·0
4	Cheltenham†	ofc	ofc	33	37	Trace	Trace	0·0
5	Bath	c	c	36	40	-	-	0·0
	Weymouth ...	mb	bm	35	43	-	-	6·4
	Jersey ...	rc	cbcc	39	48	7	-	1·1
	Torquay ...	bcz	bmo	38	45	-	-	6·8
	Penzance ...	bcb	b	42	50	0·4	-	6·1
	St. Ives ...	b	b	44	46	-	-	5·9
	Bude	bc	b	34	47	0·3	-	8·0
	Ilfracombe ...	cbcz	cbcz	36	45	-	-	6·4
6	Aberystwyth	zbc	bcz	33	44	-	-	6·3
7	Llandudno ...	bmo	bz	36	48	Trace	-	4·3
	Colwyn Bay...	bcb	b	39	49	-	-	4·9
	Rhyl	bmo	bcbm	35	47	Trace	-	4·3
8	Wallasey ...	F	F	35	39	-	-	0·0
	Southport‖ ...	FF	ff	29	34	-	-	0·0
	Blackpool ...	of	cof	29	35	-	-	0·7
	Morecambe ...	xmbc	cbcom	29	37	-	-	3·0
9	Ilkley... ...	bc	bc	29	40	-	-	5·1
	Harrogate ...	bbcx	bx	32	46	-	-	4·0
10	Berwick-on-T.	b	cbc	31	39	-	-	3·7
11	Dunbar ...	bc	bc	35	44	-	-	2·6
12	Troon... ...	xbfbc	cbc	36	46	-	-	3·4
	Douglas ...	bcxbc	bc	38	45	1	-	4·4

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Thursday, 10th, December. ..... 1936.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:— Clear sky. Sky less than 1/5 clouded. Sky 1/5 to 2/5 clouded. Sky 3/5 to 4/5 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 10th December, 1936.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light variable or easterly winds, becoming southerly later; cloudy or dull, foggy in places; rather cold.
4 W. Midlands ... 5 S.W. England	Light southeast or south wind; cloudy or dull, foggy at first in places; rather cold, but temperature rising.
6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Freshening southerly winds, strong in places; mainly cloudy, occasional rain or drizzle; average temperature or rather cold.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Fresh southerly winds, strong or gale in places, veering west later and decreasing; mainly cloudy, rain at times; rather mild but temperature falling later.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate or fresh southerly winds, strong or gale in places; veering west later and decreasing; mainly cloudy, rain or drizzle at times; average temperature, becoming rather cold.

GENERAL INFERENCE.

A deep depression north of Iceland is moving slowly east, and a ridge of high pressure lies over Southern England. It will be mainly cloudy or dull in most districts with some rain in Scotland, Ireland and Northern England. It will be foggy at times in the Sout and rather cold, but in the North and West it will be rather mild at first.

FURTHER OUTLOOK.

Mainly fair in the Northwest, occasional rain in the Southeast.

South Cone hoisted 1350 on 9th in districts 13 & 16.
" " " 1945 " " " " 17 & 18.

Forecasts issued at 1030 G.M.T.

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

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

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

Morning of
Thursday,
10th December.
1936.

Clarke's Projection Scale 1" = 4 X 10⁷ along meridian at 55° N.
Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.
⊙ = 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, 10th December, 1936.
No. 27412.

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1030·6	-6	-	0	o/f	37	95	4	5	-	-	10	10	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1031·5	+2	E	2	id.	35	95	5	5	-	-	10	10	450
	Manston ...	142	1031·3	-2	SE	2	c	37	85	7	5	-	-	10	10	1500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1031·6	-2	WSW	1	o	38	95	6	5	-	-	10	10	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1029·1	-4	ENE	4	f	38	95	3	-	-	-	10	10	<150
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1029·3	-4	NE	3	bc	43	85	8	8	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	1023·4	-6	E	2	bc	41	85	8	4	-	-	2-3	2-3	2500
	Guernsey ..	175	1026·8	-2	ES	1	c	43	85	6	8	-	-	10	10	2500
6	Pembroke ...	142	1029·9	0	SES	3	bc	42	95	6	5	-	-	4-6	4-6	4000
7	Holyhead ...	26	1028·9	-10	S'W	3	bc	43	95	7	2	-	-	2-3	2-3	2500
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1031·0	0	SW	2	m	35	95	4	5	-	-	4-6	4-6	800
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1028·2	-6	W	2	bc	34	95	6	5	-	-	2-3	2-3	800
11	Inchkeith ...	190	1025·2	-4	SW	3	c	43	95	8	5	1	-	4-6	7-8	4000
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots l.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1028·6	-4	SW	3	b	37	95	8	-	7	-	0	1	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1016·2	+2	SSW	5	r.r.	50	95	6	5	2	-	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1017·6	-8	SW	4	c	46	85	8	5	7	-	4-6	7-8	2500
16	Lerwick ...	156	1013·8	-8	SW	7	r.r.	47	95	6	6	2	-	7-8	9+	450
17	Blacksod Point	18	1025·2	-6	S	4	id	50	95	6	6	-	-	10	10	450
18	Malin Head ...	52	1025·4	-8	SW	3	c	46	95	7	5	-	-	7-8	7-8	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1027·2	-6	S	5	d.d.	47	95	6	6	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
1029·8	-12	NE	1	o/d	38	95	5	5	-	-	10	10	1500	1	*
1029·5	-8	E'S	2	o/d	37	95	4	5	-	-	10	10	1500	1	*
1029·5	-10	E	1	F	37	95	1	-	-	-	10	10	<150	1	*
1029·7	-8	ENE	1	z.	36	95	6	5	-	-	10	10	1500	1	*
1029·3	-12	ENE	3	c	39	85	7	5	-	-	10	10	1500	1	2
1030·5	-6	E'N	2	z.	34	95	5	5	-	-	10	10	450	1	§1
1030·1	-10	E'S	1	c	36	85	7	5	-	-	10	10	1500	1	*
1029·9	-12	SE	2	c	38	85	6	6	2	-	7-8	10	1500	1	*
1030·3	-8	-	0	z.	37	95	5	5	-	-	10	10	1500	1	2
1030·6	-10	-	0	f	32	95	3	-	-	-	10	10	<150	1	*
1030·7	-6	W'S	1	F	30	95	1	-	-	-	10	10	<150	4	*
1030·1	-6	SSW	2	m	33	95	4	5	-	-	10	10	800	1	*
1030·1	-10	NE	1	f-	32	95	2	-	-	-	10	10	<150	1	*
1029·1	-10	N	1	F	33	95	1	5	-	-	10	10	<150	1	*
1027·9	-10	ENE	4	c	39	95	6	5	-	-	10	10	1500	1	3
1028·0	-8	NEN	1	bc	38	95	7	5	5	1	2-3	2-3	1500	1	0
1027·1	-10	NE	3	bc	42	85	8	8	-	-	2-3	2-3	2500	1	2
1027·4	-10	E'N	2	bc	41	85	7	1	-	-	2-3	2-3	4000	1	2
1027·7	-4	E'N	3	c	41	85	8	8	-	-	10	10	2500	1	3
1028·0	-4	ESE	3	bc	40	95	6	5	6	-	2-3	4-6	2500	1	1
1027·0	-12	S'W	4	c	44	95	7	5	-	-	7-8	7-8	2500	1	2
1028·8	-12	SE	4	f	31	95	2	-	-	-	10	10	<150	1	*
1029·8	-6	SSE	1	sf/h	30	95	1	-	-	-	10	10	<150	1	*
1030·0	0	SW	2	F	33	95	1	5	-	-	10	10	<150	4	1
1028·3	-8	S	2	F	28	95	1	-	-	-	10	10	<150	4	*
1026·3	-6	SW	2	bc	33	95	5	2	4	-	2-3	4-6	1500	4	2
1023·9	-6	SW	2	c	45	95	7	5	1	-	4-6	7-8	1500	0	2
1023·3	-6	SW	3	c	44	85	8	5	-	-	9+	9+	2500	1	*
1023·6	-14	SSW	4	c	45	85	7	5	-	-	10	10	1500	1	*
1026·1	-8	SWS	3	f	39	95	2	-	-	-	10	10	<150	1	*
1026·2	-10	SWS	2	bc	42	95	8	-	7	-	0	4-6	-	1	1
1019·2	-4	SWS	5	d.d.	49	95	6	6	2	-	7-8	10	1500	1	*
1014·2	-8	SSW	6	ir	50	95	6	5	2	-	7-8	9+	1500	1	3
1022·2	0	S	5	c	44	85	7	4	6	-	7-8	10	2500	1	*
1020·2	-2	SWS	3	c	43	85	7	5	3	-	4-6	7-8	2500	1	1
1016·5	-2	SSW	4	c	47	95	8	8	7	-	4-6	7-8	1500	1	3
1013·0	-2	SW	7	r.r.	49	95	6	6	2	-	7-8	10	450	1	*
1021·8	-12	S	3	bc	50	95	8	4	-	-	4-6	4-6	1500	1	3
1021·3	-6	S	4	c	47	95	7	8	-	-	7-8	7-8	1500	0	3
1024·8	-8	SSW	3	c	42	85	7	-	7	-	0	10	-	1	*
1025·2	-10	SW	1	id.	43	95	7	5	-	-	10	10	2500	1	*
1024·7	-16	SSE	4	id.	48	85	8	5	-	-	10	10	800	1	3
1026·4	-12	SW	2	c	47	95	8	5	-	-	10	10	1500	1	2

PAST 24 HOURS.

Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 9th Hrs. (36)
39	36	36	Tr	-	0·0
38	37	36	Tr	Tr	0·0
36	35	30	Tr	Tr	0·0
36	33	34	Tr	-	0·9
38	35	31	-	-	0·0
42	34	33	Tr	Tr	0·2
44	35	35	-	-	0·2
42	35	33	1	-	0·1
46	33	31	-	-	5·5
38	27	27	Tr	0·2	0·0
38	27	23	-	Tr	3·0
36	29	28	-	-	0·0
34	28	28	-	-	*
38	32	32	-	0·1	0·0
44	36	*	-	-	*
47	37	32	-	-	6·1
47	39	*	-	-	*
50	40	*	-	-	3·2
47	41	36	-	Tr	1·0
49	38	*	Tr	Tr	6·0
49	39	30	-	Tr	30·3
38	31	31	Tr	Tr	0·0
35	29	29	0·2	0·1	0·0
41	30	*	-	1	4·8
41	25	24	-	-	4·9
42	32	29	-	-	3·4
43	40	39	-	-	1·4
40	36	33	-	-	1·7
41	38	35	0·1	-	0·0
36	34	33	Tr	0·1	4·9
50	35	*	-	-	3·1
48	46	45	Tr	0·4	0·4
47	47	*	0·4	6	0·2
41	38	36	Tr	Tr	0·1
42	38	34	-	-	1·2
44	43	*	0·2	0·1	*
46	43	*	Tr	1	0·0
49	47	*	Tr	0·5	*
48	42	*	-	-	0·2
41	38	35	-	0·1	4·0
48	40	34	-	Tr	3·9
48	47	45	Tr	Tr	2·8
44	39	*	Tr	Tr	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day mm.	Rainfall. Night mm.	Sunshine to Sunset hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
Kew	18	fxFF	ff om	omofc	39	36	36	Tr	-	0·0	•	•	5
Croydon	217	off Fe	oFFe	effeidm	38	37	36	Tr	Tr	0·0	•	•	5
Greenwich (Royal Observatory) ...	149	FF	Ff	ofdom	40	36	34	-	Tr	0·0	96	92	4
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	0·0	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	40	35	35	Tr		0·0	95	87	•
Regents Pk. (Botanic Gardens)‡ ...	168	•	•	•	39	35	35	-	-	0·0	95	91	•
Camden Square	110	f.f	cf	•	39	34	34	Tr	Tr	•	•	94	•
Kensington	80	om fom	om	•	39	37	36	Tr	Tr	0·0	89	96	•
Hampstead Observatory	450	of	of	of	38	33	32	-	-	0·0	•	96	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·6	20-23 h 9th	0·3	3-5h 10th

Kew Observatory. Max.	Time.	Min.	Time.
0·1 1·0	21h 9th	0·2	5h 10th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 9th December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 10th December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1030·6	-	0	z.	32					
Brussels	1032·5	SSE	1	z.	32	1029·9	ENE	3	f	27
Berlin	1034·7	SSE	1	m	32	1034·5	E	2	m	34
Zürich	1030·4	NE	1	c	28	1025·4	ESE	1	z.	28
Rome	1015·7	E	3	0	54					

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
36		0·6	
34	25	Tr	-
34	30	-	0·1
28	27	-	*
*		-	

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table 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; 24/- per year.

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 11th December, 1936.
No. 27413.

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)	Sunshine Hrs. (36)
1	London (Kew)	1026·7	−2·8	SE'S	2	z.	38	85	5	5	-	-	10	10	800	0·0
	Croydon ...	1026·7	−2·6	ENE	2	z.	37	85	6	5	-	-	9+	9+	4000	0·0
	S. Farnborough	1026·9	−2·2	E	2	id.	35	95	5	5	-	-	10	10	800	0·0
	Boscombe Down	1027·4	−1·8	E'S	1	id.	36	85	5	5	-	-	10	10	1500	0·9
	Calshot (Sthmtn.)	1026·7	−2·0	NE'N	3	z.	37	95	6	5	-	-	10	10	800	0·0
	Lympne ...	1026·7	−2·8	NE	3	c	37	75	6	5	-	1	4-6	7-8	2500	0·2
	Manston ...	1026·5	−3·0	ENE	2	c	39	75	7	7	-	1	7-8	7-8	2500	0·2
2	Shoeburyness ...	1026·8	−2·8	NE'E	2	c	40	75	8	5	-	-	9	9	2500	0·1
	Felixstowe ...															
	Gorleston ...	1027·5	−2·4	ENE	3	c	42	76	7	5	-	-	9+	9+	2600	5·5
	Mildenhall ...	1027·4	−3·0	NNW	1	f	36	95	3	5	-	-	10	10	2500	0·0
	Cranwell ...	1028·0	−2·2	-	0	f	31	95	3	-	-	-	10	10	<150	3·0
3	Birmingham ...	1027·6	−2·0	SE	1	f	35	95	3	5	-	-	9	9	2500	0·0
	Upper Heyford	1027·6	−2·8	E	1	z.	35	95	5	5	-	-	10	10	1500	*
4	Ross-on-Wye	1026·6	−2·4	NE	2	f	35	95	3	5	-	-	10	10	450	0·0
5	Portland Bill ...	1025·3	−1·6	NE	4	c	41	95	7	4	-	-	9+	9+	2500	*
	Plymouth ...	1025·0	−1·6	E	3	z.	43	85	6	-	-	1	0	2-3	-	6·1
	The Lizard ...	1024·4	−2·4	NE	3	c	45	85	8	8	7	-	4-6	7-8	2500	*
	Scilly (St.Mary's)	1024·5	−2·0	ESE	3	c	48	85	7	2	-	-	7-8	7-8	2600	3·2
	Guernsey ...	1025·2	−2·4	ESE	2	o	42	85	7	5	-	-	10	10	2500	1·0
6	Pembroke ...	1024·7	−1·6	E'S	3	z.	39	95	6	5	6	-	7-8	10	4000	6·0
7	Holyhead ...	1024·4	−2·4	SSW	4	c	45	85	7	5	-	-	7-8	7-8	4000	3·0·3
	Chester(Sealand)	1026·4	−2·2	SE'E	4	m	31	95	4	~	-	-	10	10	<150	0·0
8	Manchester ...	1027·3	−2·2	S	2	m	35	95	4	5	-	-	10	10	800	0·0
10	Spurn Head ...	1027·5	−1·4	W	2	c f	34	95	3	5	2	-	7-8	10	<150	4·8
	Catterick ...	1026·4	−2·0	S	2	F	28	95	1	-	-	-	10	10	<150	4·9
	Tynemouth ...	1024·8	−2·0	SW	2	m	35	95	4	5	-	-	4-6	4-6	1500	3·4
11	Inchkeith ...	1022·9	−0·6	SSW	3	c	45	95	7	5	3	-	7-8	9	1500	1·4
12	Leuchars ...	1022·1	−1·0	WSW	3	c	45	85	6	5	-	-	9+	9+	2500	1·7
	Renfrew (Abbots I.)	1022·0	−1·8	SSW	3	d. d.	45	95	5	5	-	-	10	10	800	0·0
	Eskdalemuir ...	1023·8	−2·0	SSW	4	o	40	95	5	5	-	-	10	10	220	4·9
	Point of Ayre...	1024·0	−2·0	S	3	o	45	95	7	6	-	-	10	10	800	3·1
13A	Tiree	1017·5	−1·8	SSW	5	d. d.	48	95	6	5	2	-	9+	10	450	0·4
13B	Stornoway ...	1014·2	−0·6	SSW	6	r. r.	49	95	6	5	2	-	7-8	10	1500	0·2
15	Dalwhinnie ...	1020·3	−1·4	SW	2	c	44	95	7	5	-	-	10	10	1500	0·1
	Aberdeen ...	1019·3	−0·6	S	3	z.	45	85	6	7	-	-	4-6	4-6	4000	1·2
	Wick ...	1016·0	−0·6	SW	5	c	49	85	8	8	6	9	4-6	9	1500	*
16	Lerwick ...	1012·2	−0·8	WSW	7	c	49	95	7	9	7	-	4-6	7-8	800	0·0
17	Blacksod Point	1019·4	−1·8	SW	3	c	50	95	7	5	-	-	9+	9+	800	*
18	Malin Head ...	1019·1	−1·2	S'W	3	c	47	95	7	5	-	-	7-8	7-8	2500	0·2·3
	Aldergrove ...	1022·4	−2·0	S'W	3	id.	44	95	6	5	-	-	10	10	450	4·0
19	Birr Castle ...	1022·9	−2·0	S	1	id.	45	95	7	5	-	-	10	10	2500	3·9
20	Valentia Obsy. †	1022·2	−2·0	SSE	5	dd	49	95	5	5	-	-	10	10	450	2·8
	Roches Point	1023·6	−2·0	SW	2	ir.	47	95	8	6	1	-	7-8	9+	1500	w-

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (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)	1028·3	−2·0	NNE	1	z.	38	75	5	5	-	-	10	10	1500	1	*
	Croydon ...	1023·2	−1·4	NNE	2	m	37	75	4	5	-	-	10	10	2500	1	*
	S. Farnborough	1023·6	−1·4	WNW	1	z.	34	95	6	5	-	-	10	10	1500	1	*
	Boscombe Down	1024·1	−1·4	E'N	3	d. d.	34	95	5	5	-	-	10	10	800	1	*
	Calshot (Sthmtn.)	1024·0	−1·0	NE'E	2	c	36	85	7	5	-	-	10	10	1500	1	*
	Lympne ...	1023·3	−1·8	NW'N	2	z.	35	85	6	5	-	-	10	10	2500	1	2
	Manston ...	1022·7	−2·0	NNE	3	z.	39	75	6	5	-	-	10	10	2500	1	*
2	Shoeburyness ...	1023·3	−2·0	N'E	2	c	37	95	7	8	2	-	9	10	2500	1	*
	Felixstowe ...																
	Gorleston ...	1024·2	−3·0	NE	4	c	40	75	7	5	-	-	9+	9+	2500	1	2
	Mildenhall ...	1024·5	−1·0	ENE	1	z.	33	95	5	5	-	-	4-6	4-6	4000	1	*
	Cranwell ...	1025·1	−1·0	-	0	of-	32	95	3	5	-	-	10	10	2500	4	*
3	Birmingham ...	1024·4	−1·4	SE	2	c	34	95	6	-	2	-	0	10	-	1	*
	Upper Heyford	1024·5	−1·0	E	1	z.	34	85	5	5	-	-	10	10	800	1	*
4	Ross-on-Wye	1023·6	−2·0	E'N	2	m	35	95	4	5	-	-	10	10	450	1	*
5	Portland Bill ...	1022·4	−1·6	E	4	c	40	95	7	4	-	-	10	10	2500	1	3
	Plymouth ...	1022·1	−1·4	NE	3	z.	39	85	5	5	-	-	2-3	2-3	1500	1	1
	The Lizard ...	1021·6	−1·0	ENE	3	c	45	85	8	8	4	-	7-8	7-8	2500	1	2
	Scilly (St.Mary's)	1021·5	−1·4	SE	2	c	45	85	7	8	-	-	7-8	7-8	1500	1	2
	Guernsey ...	1022·9	−1·0	E	3	bc	41	85	7	1	-	-	4-6	4-6	800	1	3
6	Pembroke ...	1021·5	−1·2	SE'S	3	z.	42	85	6	5	2	-	4-6	10	2500	1	1
7	Holyhead ...	1022·2	−0·6	SSW	3	bc	40	85	6	5	-	-	2-3	2-3	2500	1	2
	Chester(Sealand)	1023·5	−1·6	SE'E	2	m	30	95	4	-	-	-	0	0	-	4	*
8	Manchester ...	1024·3	−1·2	SE	2	f	32	95	3	-	-	-	10	10	<150	1	*
10	Spurn Head ...	1024·5	−1·2	-	0	c	36	95	7	5	2	-	7-8	10	1500	0	1
	Catterick ...	1024·1	−0·8	S'E	2	F	29	95	1	-	-	-	10	10	<150	4	*
	Tynemouth ...	1022·4	−0·8	SW	3	bcf	31	95	3	5	-	-	4-6	4-6	800	4	2
11	Inchkeith ...	1021·4	−0·4	SW	2	c	44	95	7	5	2	-	2-3	10	1500	0	1
12	Leuchars ...	1019·4	−1·0	SW	2	z.	42	95	6	5	-	-	9	9	4000	1	*
	Renfrew (Abbots I.)	1019·4	−1·2	S'W	3	z.	46	85	6	5	-	-	10	10	1500	1	*
	Eskdalemuir ...	1021·4	−1·0	SSW	2	d. d.	38	95	5	5	-	-	10	10	220	1	*
	Point of Ayre...	1021·5	−1·0	S'E	5	o	42	95	7	6	-	-	10	10	800	1	3
13A	Tiree	1015·3	−1·2	SSW	5	d. d.	48	95	6	5	-	-	10	10	450	1	3
13B	Stornoway ...	1012·2	−0·4	SSW	6	d. d.	49	95	6	5	2	-	9	10	1500	1	3
15	Dalwhinnie ...	1017·8	−0·2	S	4	c	43	85	7	4	6	-	4-6	4-6	2500	1	*
	Aberdeen ...	1017·3	−1·2	SW	3	z.	44	85	6	5	-	9	Tr	1	5700	1	1
	Wick ...	1014·7	−0·2	SSW	4	bc	45	95	8	5	4	-	2-3	4-6	1500	1	3
16	Lerwick ...	1012·1	0	SSW	6	jp	47	95	7	8	7	-	2-3	4-6	1500	1	*
17	Blacksod Point	1016·2	−2·0	S	3	id	50	95	6	6	-	-	10	10	800	1	3
18	Malin Head ...	1016·6	−2·0	S'W	3	c	47	95	7	5	-	-	8	9	1500	0	3
	Aldergrove ...	1019·1	−1·4	S'W	2	id.	44	95	6	5	-	-	10	10	450	1	*
19	Birr Castle ...	1018·9	−1·6	S	1	c/d	45	95	7	5	-	-	10	10	2500	1	*
20	Valentia Obsy. †	1018·9	−1·2	SSE	4	DD	48	95	5	5	-	-	10	10	450	1	3
	Roches Point	1020·4	−1·4	SSW	3	c/r	48	95	8	6	1	-	7-8	9+	1500	1	2

PAST 24 HOURS.

Weather. 7h.—13h. 10th (37)	Weather. 13h.—18h. 10th (38)	Weather. 18h. 10th to 1h. 11th (39)	Weather. 1h.—7h. 11th (40)
cm.	cm. q	r. o m	bm. x
o med.	cm. z c z z	om f r. s r. s	om b f
o f e m o	o i d. m c	cm. b m x	bm. m x
com. d.	om. d	od. cm.	om. bm x
cc m.	cm. c.	cb cbx	bx cm.
o cm.	bc, om.	o r. r. bc	b ff Fx
cm.	cc z.	cm. bm	bm fx
cm. c	c	cbc x	c x ff
o z. c	c	co z. q	o z. z.
o ff	c ff m b c m.	bc bm. x c m	c m o f f e
o F e x f e	f e x c f e	c f e. x	m b m. x
o m c f	c f c	c p h.	c
f c m m.	c m.	o m c p s. f x	c b c f x
F o f f	o f o m	o m.	o m.
c	c	cbc	bcc
b c c b c m.	b b c b m.	bm. b	b b e c i r.
bcc	c	c	c p r c
bcc	c	cbc	bc
co	o c b c	bcb	b b c c
b c m. c	cm. c	c	c q m d r.
cm. c	c g cm.	b c c m.	b c c m.
o f f c m	o m b m	bm	b b c m.
o F F e c m	cm b f o f x	o f x c m	cm.
ff	fm c	c	c
o F x	o F x	F x o m	o m o f x
b c m	b c f f	b c o f f b c	bco
c	c	c i r o c	c p r o
cm.	cm.	cm. b c c	cm. d d m
cm. d. d.	c d. d. m m.	cm. r c m. r r. r. o d.	
o f e o m.	o m e d. d.	om d.	od. o f
b c c o	o	o	o
c d. d.	r. d d.	c i d. r	c d.
c r. r. c	r. r. o d.	d. d. r r. c	c r r e
c	cid.	•	i d o c
c z. b c	b c b z.	b z c z.	c d. m.
c	c b c	b c	c
c r. i r.	c b c	b c c	c m.
i D r	i d r	i d r	R
c	c	c	C
c o r. d. m	o i d. o d.	o i r. i d.	c r. r. d.
o i d.	o i d.	i d. i r.	o i r.
d d. d d	d d D D	r o r. i r.	r r. r. R r r
c i r.	c i r. c	c o i r.	i d o i r

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s., slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus
R, heavy rain. r., slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽, lunar halo. ⸗gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; + has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/10 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), or Nimbo- stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

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

† See disturbance reported from Dungeness.

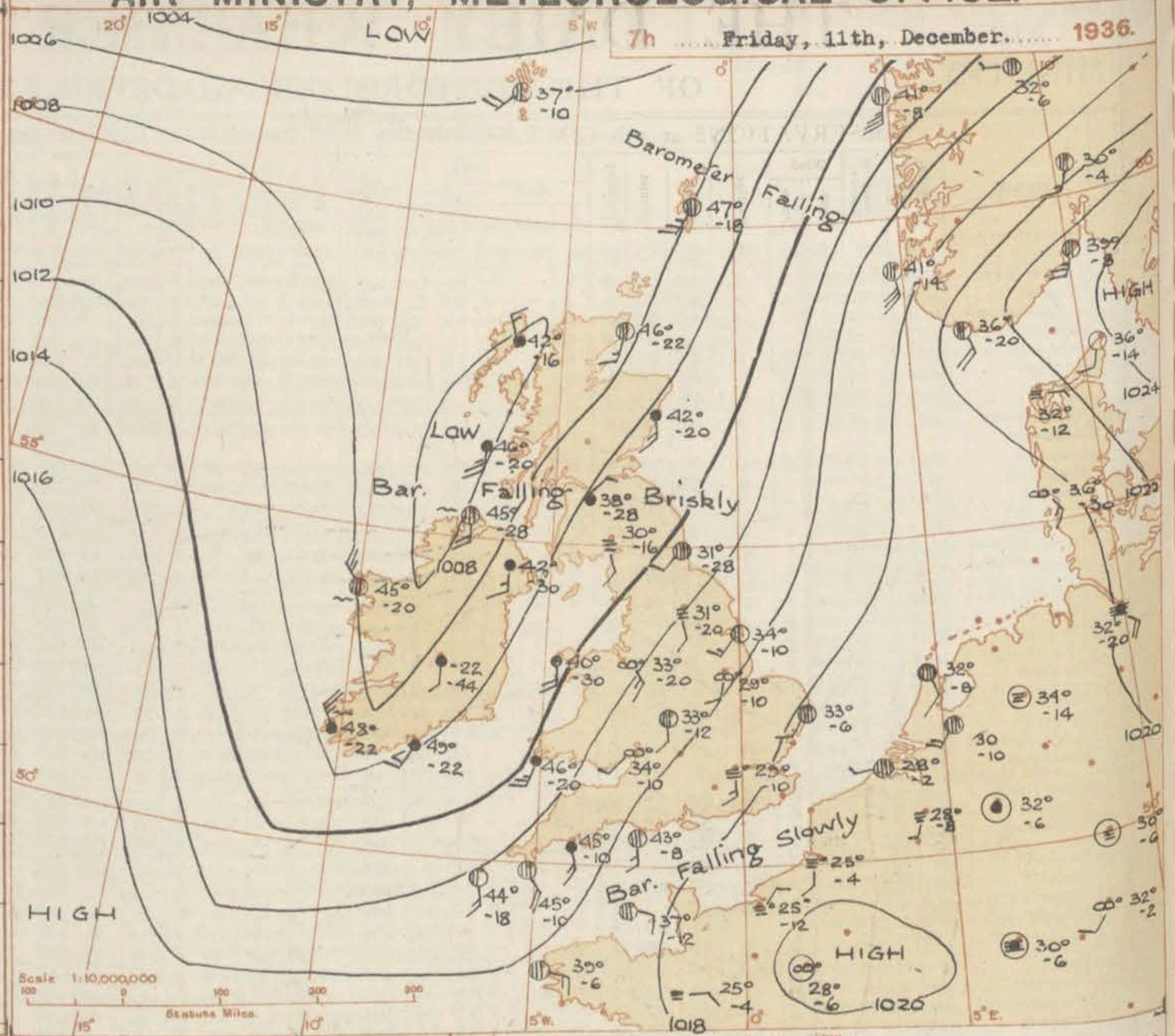
REPORTS from HEALTH RESORTS for 10th December 1936.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F) Min. 9h. 9th to 9h. 10th	Temperature (F) Max. 9h.—17h. 10th	Rainfall (mm) Night. 17h. 9th to 9h. 10th	Rainfall (mm) Day. 9h.—17h. 10th	Sunshine (hrs) Sunrise to Sunset. 10th
1	Tunbridge W.	o	c	33	40	–	–	0·0
	Bournemouth	o	oom	32	38	–	–	0·0
	Ventnor ...	oz	oz	36	39	–	–	0·0
	Southsea ...	om$_o$d$_o$	am$_o$	35	38	–	Trace	0·0
	Bognor Regis	o	o	35	36	Trace	–	0·0
	Littlehampton	o	oc	35	43	–	–	0·0
	Worthing ...	od$_o$	o	36	37	–	Trace	0·0
	Brighton ...	fc	ffc	36	37	–	–	0·0
	Eastbourne†	o	o	37	42	–	–	0·0
	Hastings† ...	oc	bcbcc	35	43	–	–	0·2
	Folkestone ...	oc	cco	34	38	–	–	0·3
	Dover... ...	cbc	bccco	36	45	–	–	0·8
	Deal	o	o	35	39	–	–	0·0
	Ramsgate ...	bc	bcc	36	39	–	–	1·2
	Margate ...	c	bc	37	40	–	–	1·8
2	Southend ...	oc	co	35	39	–	–	0·2
	Maldon ...	mo	oco	36	39	–	–	0·3
	Clacton-on-Sea	omc	cbcc	37	40	–	–	0·7
	Dovercourt ...	oc	bccoc	38	40	–	–	1·5
	Lowestoft ...	c	c	38	41	–	–	0·6
	Skegness ...	xFfc	bcmcm	28	37	0·3	–	0·6
	Mablethorpe	fcmc	com$_o$	27	37	–	–	0·3
	Cleethorpes ...	bcxm	oc	28	34	–	?	0·4
3	Leamington S.	ome	o	30	35	0·2	–	0·0
4	Cheltenham†	ofo	o	31	37	Trace	–	0·0
5	Bath	mc	mc	35	38	–	–	0·0
	Weymouth ...	mc	c	35	39	–	–	0·0
	Jersey ...	cbcc	bcc	38	41	–	–	1·9
	Torquay ...	wom$_o$	com$_o$	36	41	–	–	0·6
	Penzance ...	xb	bbccz	36	46	–	–	3·7
	St. Ives ...	c	c	37	45	–	–	3·3
	Bude	c	bcm	36	40	–	–	1·1
	Ilfracombe ...	cbcc	cbcco	32	39	–	–	0·0
6	Aberystwyth	xzbc	bcz	31	38	–	–	6·4
7	Llandudno ...	xbz$_o$	bz$_o$	34	46	–	–	5·9
	Colwyn Bay...	xbzb	bbcbc	33	45	–	–	6·2
	Rhyl	wxb	b	30	43	–	–	6·0
8	Wallasey ...	fo	ocbc	31	34	Trace	–	0·0
	Southport‖ ...	fom	mocbx	31	34	–	–	0·0
	Blackpool ...	ofo	oc	30	34	0·2	–	0·0
	Morecambe ...	fmc	c	27	35	Trace	–	0·0
9	Ilkley... ...	f	f	27	32	–	–	0·0
	Harrogate ...	bFx	bFx	27	37	–	–	0·0
10	Berwick-on-T.	c	c	32	45	–	–	0·0
11	Dunbar ...	bc	bc	36	47	Trace	–	0·0
12	Troon... ...	cococ	coco	36	46	–	–	0·0
	Douglas ...	cbc	c	35	47	–	–	0·0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Friday, 11th, December..... 1936.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. ..... 11th December, 1936.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light or moderate southerly winds, veering northwest later, becoming cloudy with occasional rain; average temperature.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ...	Light or moderate southerly winds, veering northwest later, cloudy, occasional rain at first, fair periods later; average day temperature, frost locally at night.
10 N.E. England 11 S.E. Scotland	As 1 to 3.
12 S.W. Scotland & Isle of Man.	As 4 to 9.
13 A. W. Scotld. / B.N.W.Scotland. 14 Mid Scotland	Light or moderate northwest winds, fair periods and local showers; average temperature, frost at night.
15 N. E. Scotland 16 Orkney and Shetland	Light variable winds, cloudy, occasional rain; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 13A to 14.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:— Clear sky. Sky less than 1/8 clouded. Sky 1/8 to 3/8 clouded. Sky 3/8 to 5/8 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A trough of low pressure over Northwest Scotland and Ireland is moving slowly southeast. Rain will spread slowly southeastward but will be followed by fair periods. Temperatures will be about the average for the season.

FURTHER OUTLOOK.

Mainly fair.

Forecasts issued at 1015 G.M.T.

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

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

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

Morning of

Friday,

11th December.

1936.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = 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, 11th December, 1936
No. 27413.

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

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	-14	WSW	2	m	34	95	4	5	–	–	10	10	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1020·3	-14	NNW	1	z₀	33	85	6	5	–	–	2-3	2-3	1500
	Manston ...	142	1019·9	-12	SSW	1	m	33	95	4	5	–	–	2-3	2-3	800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1020·5	-12	S'E	4	o	35	85	6	5	–	–	10	10	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1018·8	-14	ENE	3	bc	38	85	7	4	–	–	2-3	2-3	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1018·8	-12	SE'E	1	c	44	85	7	5	–	–	10	10	1500
	Scilly (St. Mary's)	163	1017·7	-22	S	2	bc	48	85	8	5	–	–	2-3	2-3	2500
	Guernsey ..	175	1020·4	-16	ESE	1	b	39	75	7	–	–	–	0	0	–
6	Pembroke ...	142	1016·5	-14	SSE	3	c	42	85	7	5	–	–	10	10	2500
7	Holyhead ...	26	1017·4	-28	SW	4	bc	37	85	6	5	–	–	4-6	4-6	2500
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1018·4	-30	ESE	3	c	39	85	8	5	2	–	2-3	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1018·6	-24	SW	2	z₀	31	95	5	5	–	–	4-6	4-6	800
11	Inchkeith ...	190	1017·0	-14	SW	3	c	43	95	7	5	2	–	2-3	9+	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1017·7	-20	S'E	4	o	41	95	7	6	–	–	10	10	800
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1010·8	-6	NNW	2	rr	42	95	6	5	2	–	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1011·8	-14	SSW	3	bc	46	95	8	8	6	–	2-3	4-6	1500
16	Lerwick ...	156	1011·7	-4	SW	6	c	48	95	8	5	2	–	7-8	10	1500
17	Blacksod Point	18	1010·3	-30	S	4	id	50	95	6	6	–	–	10	10	800
18	Malin Head ...	52	1011·6	-20	S	3	c	45	95	6	8	–	–	9	9	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1013·2	-16	S	3	iD	50	95	5	5	–	–	10	10	450
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1017·7	-4	–	0	z₀	30	95	5	–	–	–	0	0	–	4	*
1017·7	-10	S	3	bc/f	29	95	4	–	3	–	0	2-3	–	5	*
1017·7	-2	SE	1	f+	28	95	3	–	8	–	0	4-6	–	4	*
1017·9	-6	E'S	1	z₀	28	95	5	–	–	–	0	0	–	4	*
1017·7	-12	E'N	2	z₀	36	95	6	5	–	–	7-8	7-8	4000	1	§ 2
1019·2	-2	S'E	1	bc/f	31	95	4	5	–	–	4-6	4-6	2500	4	§ 1
1018·0	-10	SW	1	f–	27	95	3	–	3	–	0	1	–	1	*
1018·5	-4	–	0	f	29	95	2	–	–	–	0	0	–	4	*
1018·3	-6	SW'S	2	o	33	95	6	5	–	–	10	10	1500	1	2
1017·4	-10	S	2	f	30	95	2	–	–	–	10	10	1150	1	*
1016·7	-10	SSW	2	z₀	29	95	5	–	–	–	0	0	–	4	*
1016·0	-12	S	2	c	33	85	7	–	7	–	0	9+	–	1	*
1017·5	-2	SSW	3	f	29	95	3	5	–	–	7-8	7-8	2500	1	*
1016·3	-10	SW'W	1	z₀	34	85	5	5	–	–	10	10	800	1	*
1015·5	-8	S	3	c	43	75	7	4	–	–	10	10	2500	1	3
1015·7	-10	S'E	3	ir₀	45	75	7	5	2	–	7-8	10	1500	1	3
1015·3	-10	SE'S	4	c	45	85	8	8	2	–	7-8	10	2500	1	3
1014·3	-18	S'E	3	bc	44	85	8	5	–	–	4-6	4-6	2500	1	2
1017·6	-12	ESE	2	c	37	95	6	8	1	–	4-6	7-8	2500	0	2
1012·3	-20	SSW	5	ir	46	85	6	5	–	–	10	10	2500	1	3
1011·9	-30	S	4	ir₀	40	85	6	9	–	–	10	10	1500	1	2
1014·2	-20	SE	3	z₀	33	95	5	5	–	–	4-6	4-6	2500	1	*
1014·7	-22	S	3	z₀	34	95	6	5	2	–	4-6	10	1500	1	*
1015·0	-10	SW	3	bc	34	95	6	5	2	–	2-3	4-6	2500	0	2
1013·8	-20	S'E	2	f	31	95	3	5	–	–	10	10	450	4	*
1013·1	-28	SW	2	o	31	95	5	5	–	–	10	10	800	4	1
1012·4	-20	SW	2	o	44	95	6	5	–	–	10	10	800	1	1
1011·2	-20	W	3	dd	40	95	4	–	2	–	10	10	800	1	*
1010·7	-28	NE	2	d₀d₀	38	95	4	5	–	–	10	10	800	1	*
1012·7	-16	SSE	2	f	30	95	3	–	–	–	10	10	1150	1	*
1011·5	-24	S'E	5	o	39	95	7	6	–	–	10	10	800	1	3
1005·7	-20	S	5	iD	46	95	6	6	2	–	9	10	1500	1	*
1006·1	-16	NNW	3	rr	42	95	6	5	2	–	7-8	10	1500	1	2
1008·8	-30	S	4	c	40	95	7	5	–	–	10	10	2500	1	*
1010·4	-20	S	3	id₀	42	95	6	5	–	–	10	10	1500	1	2
1007·6	-22	SSW	3	c	46	95	8	5	2	–	7-8	10	1500	1	2
1007·9	-14	SW	5	c	47	95	6	5	2	–	7-8	10	450	1	*
1007·9	-20	NW	5	c	45	85	7	9	–	–	9	9	800	1	4
1005·1	-28	S	4	c	45	95	7	8	–	–	10	10	1500	0	4
1008·8	-30	S	3	dr₀	42	95	7	6	2	–	9+	10	800	1	*
1008·7	-22	S	1	ir₀	44	95	7	6	–	–	10	10	1500	1	*
1008·2	-22	NW'N	5	rr	48	95	6	6	–	–	10	10	800	1	4
1010·0	-22	SW	4	ir	49	95	7	6	–	–	10	10	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 10th Hrs. (36)
1	London (Kew)	38	29	21	–	Tr	0·0
	Croydon ...	38	27	22	Tr	1	0·0
	S. Farnborough	37	28	17	Tr	Tr	0·0
	Boscombe Down	37	26	20	Tr	Tr	0·0
	Calshot (Sthmtn.)	40	28	23	–	–	0·0
	Lympne ...	37	28	19	–	Tr	1·5
	Manston ...	39	25	18	–	–	1·7
2	Shoeburyness ...	40	27	24	–	–	0·1
	Felixstowe ...						
	Gorleston ...	42	32	31	–	–	1·0
	Mildenhall ...	36	30	29	0·1	Tr	0·0
	Cranwell ...	34	29	25	0·2	–	0·0
3	Birmingham ...	35	32	30	–	Tr	0·0
	Upper Heyford	35	28	19	–	Tr	*
4	Ross-on-Wye	36	33	29	–	–	0·0
5	Portland Bill ...	42	36	*	–	–	*
	Plymouth ...	43	38	36	–	Tr	4·2
	The Lizard ...	45	42	*	–	Tr	*
	Scilly (St. Mary's)	48	41	*	–	–	2·8
	Guernsey ..	43	37	30	–	–	0·0
6	Pembroke ...	42	39	*	–	2	0·0
7	Holyhead ...	45	34	32	–	0·1	0·6
	Chester(Sealand)	33	29	23	–	–	0·0
8	Manchester ...	36	31	27	–	Tr	0·0
10	Spurn Head ...	38	33	*	–	–	0·6
	Catterick ...	30	28	26	–	–	0·0
	Tynemouth ...	35	29	26	–	–	2·0
11	Inchkeith ...	45	38	38	–	0·6	0·0
	Leuchars ...	45	39	37	·	0·1	0·0
12	Renfrew (Abbots L.)	46	37	37	Tr	2	0·0
	Eskdalemuir ...	40	30	30	0·2	0·2	0·0
	Point of Ayre...	47	39	*	–	–	0·0
13A	Tiree	49	46	45	2	1	0·0
13B	Stornoway ...	50	41	*	2	27	0·0
15	Dalwhinnie ...	45	40	38	Tr	Tr	0·0
	Aberdeen ...	46	42	38	–	Tr	3·1
	Wick ...	48	45	*	–	–	*
16	Lerwick ...	52	46	*	1	–	0·0
17	Blacksod Point	50	42	*	1	11	*
18	Malin Head ...	49	42	*	–	–	0·0
	Aldergrove ...	45	42	41	Tr	3	0·0
19	Birr Castle ...	46	43	39	0·3	1	0·0
20	Valentia Obsy. †	49	48	47	3	11	0·0
	Roches Point	48	47	*	0·1	1	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
KEW	18	cm.	r.om	bm.x	38	29	21	–	Tr	0·0	•	•	2
CROYDON	217	om.c d.	cm.zcz.	ombf	38	27	22	Tr	⊥ Tr	0·0	•	•	3
GREENWICH (Royal Observatory)...	149	cm.	cm.	cd.bxsf	38	27	18	–	Tr	0·0	75	96	3
CITY (Bunhill Row)	—	•	•	•	•	•	•	•	•	0·0	•	•	•
WESTMINSTER (St. James' Park) ...	27	•	•	•	39	29	25		–	0·0	74	97	•
REGENTS PK. (Botanic Gardens)‡...	168	•	•	•	38	30	24	–	–	0·0	80	93	•
CAMDEN SQUARE	110	m o	c	•	38	30	22	Tr	–	•	•	98	•
KENSINGTON	80	o	bc x cm	•	38	29	21	–	Tr	0·0	71	97	•
HAMPSTEAD OBSERVATORY	440	o f s	o x	bc	36	29	19	–	–	0·0	•	92	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 11th...

SOUTH KENSINGTON.

Max.	Time.	Min.	Time.
0·8	21-24h 10th	0·3	4-6h 11th

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
0·5	20h 10th	0·2	9h 10th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 10th December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 11th December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1023·3	–	0	z₀	27	1020·1	–	0	z₀	28
BRUSSELS	1026·5	ENE	1	m	28					
BERLIN	1029·7	ENE	3	m	34	1022·3	E	3	m	32
ZÜRICH	1021·9	NNE	2	m	30	1019·9	NW	1	m	28
ROME	1019·7	SE	4	id₀	55					

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
*	*	–	*
28		Tr	
30	41	Tr	–
32	28	–	–
*		5	

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

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

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 12th December, 1936.
No. 27414.

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

District.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. F. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)	Sunshine 10th Hrs. (36)
1	London (Kew)	1015·8	−14	S'W	2	z_o	39	85	5	-	-	9	0	9+	-	0·0
	Croydon ...	1015·8	−18	S	3	z_o	41	75	5	1	5	-	Tr	9	2500	0·0
	S. Farnborough	1015·6	−20	S'W	1	cf	37	85	3	5	3	-	4-6	9+	4000	0·0
	Boscombe Down	1016·1	−10	SSE	3	z_o	36	95	5	5	7	-	4-6	10	2500	0·0
	Calshot (Sthmtn.)	1016·1	−14	SSE	4	z_o	41	85	6	5	3	-	4-6	9	4000	1·5
	Lympne ...	1017·1	−18	S'E	2	z_o	39	85	5	5	7	-	4-6	7-8	1500	1·7
	Manston ...	1016·7	−18	SSE	2	z_o	39	85	5	-	7	-	0	2-3	-	0·1
2	Shoeburyness ...	1016·6	−12	SW'S	2	bc	40	75	5	-	7	-	0	4-6	-	1·0
	Felixstowe ...															0·0
	Gorleston ...	1016·9	−12	SSW	1	cf	32	95	3	-	7	-	0	7-8	-	0·0
	Mildenhall ...	1015·6	−22	S'W	2	z_o	38	85	5	-	7	6	0	9		
	Cranwell ...	1014·5	−14	SSE	3	z_o	32	95	5	5	-	6	4-6	7-8	2500	0·0
3	Birmingham ...	1014·0	−14	SSW	3	z_o	37	85	6	-	7	6	0	7-8	-	*
	Upper Heyford	1015·6	−12	SSE	3	m	34	95	4	5	7	-	9+	10	1500	0·0
4	Ross-on-Wye	1013·3	−14	SW	3	z_o	41	75	6	5	-	2	1	7-8	4000	
5	Portland Bill ...	1014·1	−14	SE	4	c	40	85	7	4	-	-	10	10	2500	*
	Plymouth ...	1014·0	−14	S'E	3	c	45	85	7	5	-	-	10	10	1500	4·2
	The Lizard ...	1013·3	−16	SE'S	3	c	48	85	8	8	7	1	4-6	7-8	2500	*
	Scilly (St. Mary's)	1012·1	−16	S'E	4	c	47	75	8	5	7	-	7-8	9+	2500	2·8
	Guernsey ...	1016·7	−6	SSE	1	c	35	95	6	8	1	-	7-8	9+	2500	0·0
6	Pembroke ...	1010·3	−10	SW'S	6	q	48	85	7	5	7	-	7-8	9+	2500	0·0
7	Holyhead ...	1008·1	−20	SSW	5	c/r	47	95	6	6	2	-	7-8	10	800	0·6
	Chester (Sealand)	1011·3	−20	SE	4	z_o	38	85	5	-	2	-	10	10	2500	0·0
8	Manchester ...	1012·2	−18	S	3	z_o	36	85	5	5	-	-	10	10	1500	0·0
10	Spurn Head ...	1012·9	−14	S	5	m	34	95	4	5	2	-	7-8	9+	800	0·6
	Catterick ...	1010·6	−18	SSE	3	m	34	95	4	5	-	-	7-8	7-8	2500	0·0
	Tynemouth ...	1010·7	−16	SW	2	m	35	95	4	6	-	-	7-8	7-8	800	2·0
11	Inchkeith ...	1007·3	−10	SW	2	z_o	39	85	6	8	-	-	10	10	800	0·0
12	Leuchars ...	1006·4	−22	SW	3	id.	37	95	4	5	-	-	10	10	1500	0·0
	Renfrew (Abbots I.)	1006·5	−26	S'E	2	r.r.	39	85	5	6	2	-	10	10	1500	0·0
	Eskdalemuir ...	1008·7	−24	S	2	s.s.	31	95	4	-	2	-	10	10	220	0·2
	Point of Ayre ...	1007·5	−22	SW	4	rr	45	95	7	5	-	-	10	10	1500	0·0
13A	Tiree	1004·1	− 4	N'W	5	ir_o	42	85	7	5	2	-	7-8	10	1500	0·0
13B	Stornoway ...	1003·4	− 18	NW	3	rr	41	95	7	5	2	-	7-8	10	1500	0·0
15	Dalwhinnie ...	1005·2	−26	S	4	ir_o	36	95	7	4	2	-	4-6	10	2500	3·1
	Aberdeen ...	1004·6	− 44	S'E	4	z_o	41	66	6	5	7	-	2-3	9+	1500	*
	Wick ...	1002·8	−24	S	5	rr	43	95	6	5	2	-	7-8	10	800	0·0
16	Lerwick ...	1004·4	−24	SW	6	r.r.	43	95	6	9	2	-	7-8	10	450	
17	Blacksod Point	1009·0	0	WNW	4	c	45	85	9	8	3	-	4-6	7-8	1500	*
18	Malin Head	1005·2	+10	N	4	r.r.	46	95	7	8	-	-	7-8	7-8	1500	0·0
	Aldergrove ...	1005·3	−18	SSW	4	r.r.	44	95	6	6	2	-	9+	10	450	0·0
19	Birr Castle ...	1007·3	0	NW	1	rr	44	95	7	6	-	-	10	10	1500	*
20	Valentia Obsy. †	1009·9	+2	N	5	c	46	75	8	8	2	-	7-8	10	1500	0·0
	Roches Point	1008·0	−12	NW	4	rr	49	95	6	6	-	-	10	10	800	*

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

District.	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1015·6	+4	S	2	z_o	34	95	5	-	-	-	0	0	-	1	*
	Croydon ...	1015·0	+2	S	3	z_o	35	85	5	5	-	-	2-3	2-3	2500	1	*
	S. Farnborough	1015·2	0	SSE	2	z_o	35	85	5	5	3	-	9+	10	1500	1	*
	Boscombe Down	1014·6	− 6	SSE	5	bc	34	95	7	5	-	-	4-6	4-6	1600	1	*
	Calshot (Sthmtn.)	1014·9	− 2	SE'E	4	c	38	85	7	5	-	-	10	10	1500	1	2
	Lympne ...	1016·3	− 6	SE'S	2	z_o	35	85	6	5	-	-	10	10	1500	1	1
	Manston ...	1016·3	−2	S'W	2	z_o	33	85	5	-	3	-	0	9	-	1	*
2	Shoeburyness ...	1015·9	0	S'W	2	bc	35	85	5	-	7	-	0	2-3	-	1	*
	Felixstowe ...																
	Gorleston ...	1015·9	−4	S'W	2	bc	33	85	6	5	-	-	4-6	4-6	1500	1	2
	Mildenhall ...	1015·3	0	SE	2	f	31	95	3	-	-	-	0	0	-	1	*
	Cranwell ...	1013·8	+6	ESE	1	z_o	32	95	6	-	-	-	0	0	-	4	*
3	Birmingham ...	1012·2	0	S	3	c	37	95	6	-	2	-	0	10	-	1	*
	Upper Heyford	1014·9	−2	SE'S	2	f	33	95	3	-	-	-	0	0	-	1	*
4	Ross-on-Wye	1012·9	−4	S	3	z_o	38	85	5	5	1	-	2-3	9+	2500	1	*
5	Portland Bill ...	1013·2	−10	SSE	4	c	41	85	7	4	-	-	7-8	7-8	2500	1	3
	Plymouth ...	1011·9	−10	SE'E	3	z_o	43	85	6	5	-	-	2-3	2-3	1500	1	1
	The Lizard ...	1010·8	−10	SE'S	3	c	45	85	8	8	-	-	7-8	7-8	2500	1	2
	Scilly (St. Mary's)	1009·6	−12	S	4	c	47	75	8	8	-	-	10	10	1500	1	2
	Guernsey ...	1014·6	−6	E'S	2	c	35	95	6	1	-	-	7-8	7-8	2500	0	1
6	Pembroke ...	1009·3	−4	S'W	6	q	47	75	7	5	-	-	9+	9+	2500	1	3
7	Holyhead ...	1007·6	−2	SSW	5	ir_o	47	95	6	6	2	-	4-6	10	1500	1	3
	Chester (Sealand)	1010·5	0	SE'E	3	z_o	40	85	6	5	-	-	9+	9+	5700	1	*
8	Manchester ...	1011·4	0	S	3	z_o	39	85	5	5	-	-	10	10	2500	1	*
10	Spurn Head ...	1012·9	0	S'W	4	bc	36	95	6	-	1	-	0	2-3	-	0	3
	Catterick ...	1009·8	−4	SE	3	z_o	38	95	6	5	-	-	10	10	1500	4	*
	Tynemouth ...	1008·7	0	SW	3	c	36	95	5	5	-	-	7-8	7-8	800	1	2
11	Inchkeith ...	1005·5	−6	S	1	0	44	95	7	5	-	-	10	10	1500	1	1
12	Leuchars ...	1005·2	−2	ESE	1	m	37	95	4	5	-	-	10	10	1500	1	*
	Renfrew (Abbots I.)	1004·7	−4	ENE	2	dd.	40	95	5	-	2	-	10	10	800	1	*
	Eskdalemuir ...	1006·3	−6	S'W	4	r.r.	37	95	5	-	2	-	10	10	220	6	*
	Point of Ayre ...	1005·9	−6	SW	4	rr	47	95	7	6	-	-	10	10	1500	1	2
13A	Tiree	1005·0	+8	NW'N	4	c	44	65	8	5	7	-	7-8	9+	1500	1	4
13B	Stornoway ...	1003·6	+2	W	3	c	40	95	8	5	7	-	7-8	9+	2500	1	1
15	Dalwhinnie ...	1004·8	−2	S	2	c	38	85	7	4	2	-	7-8	10	2500	1	*
	Aberdeen ...	1003·8	+6	S	1	bc/pr	38	85	6	5	-	-	4-6	4-6	1500	1	1
	Wick ...	1001·0	0	SW	3	r.r.	43	95	6	5	2	-	9	10	800	1	2
16	Lerwick ...	999·5	−20	SSW	5	c	44	86	7	5	2	-	7-8	9+	1600	1	*
17	Blacksod Point	1008·8	0	WNW	3	bc	42	85	8	9	-	-	4-6	4-6	1500	1	3
18	Malin Head	1006·2	+10	N	1	c	46	95	7	8	-	-	9	9	1500	1	4
	Aldergrove ...	1006·7	+14	NW	1	rr	41	95	8	5	7	-	2-3	9+	800	1	*
19	Birr Castle ...	1007·8	+6	NW	1	rr	41	95	7	6	-	-	10	10	1500	1	*
20	Valentia Obsy.	1010·4	+10	N	3	bc/pr	44	76	8	3	-	1	2-3	2-3	2500	1	3
	Roches Point	1008·7	+6	N	4	rr	43	95	7	6	-	-	10	10	1500	1	4

PAST 24 HOURS.

District.	Stations.	Weather. 7h.–12h. 11th. (37)	Weather. 13h.–18h. 11th. (38)	Weather. 18h. 11th to 1h. 12th. (39)	Weather. 1h.–7h. 12th. (40)
1	London (Kew)	bcfxcm.	cbcm.x	bm.xcm.	cm.
	Croydon ...	befxcz.	czsmbcm.	bcom.x	oxm.
	S. Farnborough	bcfxcf	fmfmc	cbxcm.	cm.o
	Boscombe Down	bm.xcm.	cmbcmbc	bc,b,c	c
	Calshot (Sthmtn.)	cm.cf	cm.c°	c	c
	Lympne ...	bcxcm.	cm.	cm.am	o m.
	Manston ...	bfxbm	b,s,m.	cbcm.	cm.
2	Shoeburyness ...	xifbm	bcmbm.	bbcm.x	bcxcm.
	Felixstowe ...				
	Gorleston ...	ocff	cfbcz.	coz.x	coz.x
	Mildenhall ...	ffcmofcm	cbcffbffx	bffexcmx	cmxcm.
	Cranwell ...	bxbccm.	cm.xbc	bxbcm.	bcxcm.
3	Birmingham ...	cbc	bcc	cbc	bcc
	Upper Heyford	bcfcm.	cmfbcf	bfcm	cmom.
4	Ross-on-Wye	cm.bcz.	cz.	bccm.	c
5	Portland Bill ...	c	c	c	c
	Plymouth ...	cr.c	cbcbm.	bbcm.	cor.rr
	The Lizard ...	c	cbcc	crr	crrc
	Scilly (St. Mary's)	bcc	c	r.r.o	orcir.
	Guernsey ...	c	c	cbcc	c
6	Pembroke ...	oqm.ir.c	cqm.c	cqrro	cqrrc
7	Holyhead ...	rrir.c	r.r.m.	r.r.rrc	RRrrr
	Chester (Sealand)	bcem.	cm.	cbcm.	cr.r.rm.
8	Manchester ...	cbmcm.	cm.	cm.	cm.is.
10	Spurn Head ...	cfm	mcbc	bcof	fmcz
	Catterick ...	oxfscm	fd cmm.	cm.	cm.
	Tynemouth ...	ocmps.	cm	c	o
11	Inchkeith ...	oid.z.	z.ir.	odrz	zz.c
12	Leuchars ...	omdcd.	omdr.r.	omid.d.	cm.
	Renfrew (Abbots I.)	DDfRr.	r.r.d.f.	d.m.rem.	ebcb
	Eskdalemuir ...	fos.s.m	s.s.rr	crr m.	r.r.c
	Point of Ayre ...	orr	r.r.r.	rr	rr o
13A	Tiree	dr Rr	cir.	epr.	c
13B	Stornoway ...	crr;c	crrpr.	cbc	bc pr.
15	Dalwhinnie ...	cirr	rrc	*	cir. bc
	Aberdeen ...	d.cz.	z.pr.	bccr.	crr
	Wick ...	crrm.	cr.r.	cr.r.	r.r.o
16	Lerwick ...	cr.r.m.	c	cbc	cir
17	Blacksod Point	c	PHRc	prq c	prc
18	Malin Head	cr.	cr.c	c	c
	Aldergrove ...	cd.s.R	r.r.odd	cr.r.	cr.r.bc
19	Birr Castle ...	ir.r.r	orr	orrbc	bcx
20	Valentia Obsy.	rrir.c	epr.bc	bcc pr.	prpr.bc
	Roches Point	irorr	RRorr	orrc	cbcb

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r_o, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ≈ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; + has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo-stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

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

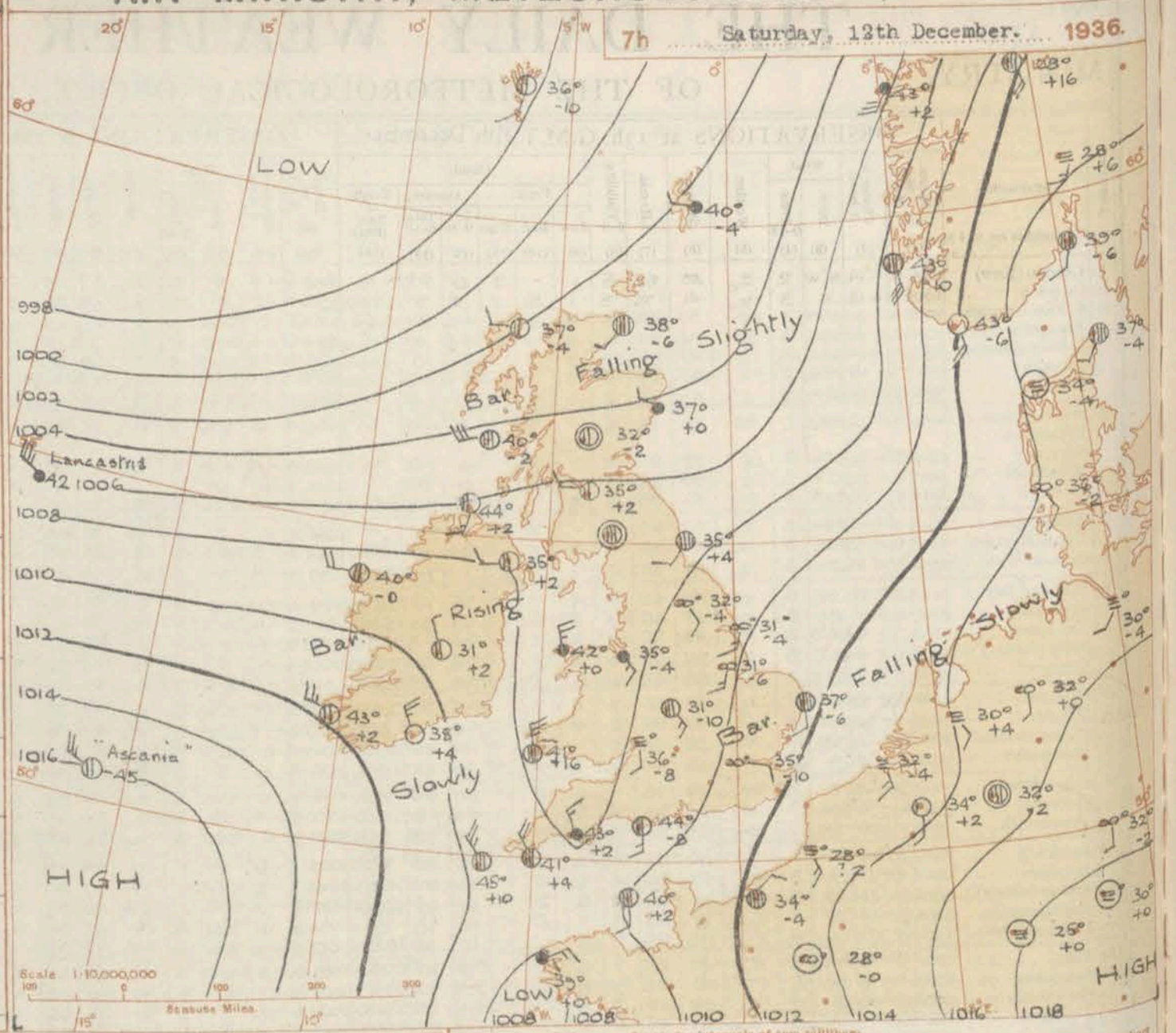
† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 11th December 1936.

District No.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F) Min. 9h. 10th. to 9h. 11th.	Temperature (°F) Max. 9h.—17h. 11th.	Rainfall (mm) Night. 17h. 10th. to 9h. 11th.	Rainfall (mm) Day. 9h.—17h. 11th.	Sunshine (hrs) Sunrise to Sunset. 11th.
1	Tunbridge W.	fb	bbc	23	39	–	–	4·8
	Bournemouth	o	o	26	40	–	–	0·0
	Ventnor ...	xou	occ	33	42	–	–	0·2
	Southsea ...	om	co	29	41	–	–	0·0
	Bognor Regis	bcco	cbcc	30	42	–	–	0·7
	Littlehampton	c	c	29	42	–	–	0·3
	Worthing ...	c	bc	28	43	–	–	1·9
	Brighton ...	c	cbc	28	41	–	–	0·3
	Eastbourne†	co	oco	32	41	–	–	0·4
	Hastings† ...	bcc	co	31	42	–	–	0·7
	Folkestone ...	xcfo	o	30	40	–	–	0·0
	Dover... ...	oc	co	29	40	–	–	0·0
	Deal	Ffoc	bcc	28	39	–	–	2·0
	Ramsgate ...	cbc	bcc	32	42	Trace	–	2·2
	Margate ...	bc	bc	31	41	–	–	4·0
2	Southend ...	bf	b	31	42	Trace	–	2·6
	Maldon ...	off	off	29	31	–	–	0·0
	Clacton-on-Sea	ofbcm	bcm	31	38	Trace	–	2·2
	Dovercourt ...	xf	Fx	29	33	–	–	0·0
	Lowestoft ...	bf	bbf	31	40	–	–	2·5
	Skegness ...	mcoc	co	31	38	–	–	0·0
	Mablethorpe	xom$_o$c	cm$_o$	29	35	–	–	0·0
	Cleethorpes ...	oxm	o	28	34	–	–	0·0
3	Leamington S.	c	oco	31	39	–	–	0·0
4	Cheltenham†	c	c	31	40	Trace	–	0·0
5	Bath	c	c	32	41	–	–	0·0
	Weymouth ...	mc	mc	31	43	–	–	0·0
	Jersey ...	c	c	31	34	–	–	0·3
	Torquay ...	rpcm$_o$	c	36	45	1	–	0·1
	Penzance ...	c	bcbcc	40	48	–	–	1·8
	St. Ives ...	c	c	39	47	–	–	1·1
	Bude	c	cbc	31	41	–	–	1·5
	Ilfracombe ...	cbcco	cbcc	34	44	–	–	0·6
6	Aberystwyth	xzcc	c	31	45	–	–	0·0
7	Llandudno ...	p$_o$cc	c	32	47	–	Trace	0·1
	Colwyn Bay...	cpc	bcbcc	32	46	–	1	0·1
	Rhyl	xcm$_o$	cm$_o$	28	45	–	–	0·1
8	Wallasey ...	bcc	c	31	44	–	–	0·0
	Southport‖ ...	bcco	o	31	43	–	–	0·2
	Blackpool ...	o	o	32	42	–	Trace	0·0
	Morecambe ...	cldwc	ldco	30	41	0·3	1	0·0
9	Ilkley... ...	oc	od	28	39	–	0·2	0·0
	Harrogate ...	ocb<	bc$_o$	27	40	–	–	0·0
10	Berwick-on-T.	cm$_o$o	s.co	33	38	–	Trace	0·0
11	Dunbar ...	bcr$_o$	bEr$_o$	34	41	0·5	Trace	0·0
12	Troon... ...	corro	roroo	38	44	–	5	0·0
	Douglas ...	oRR	om$_o$r	37	47	3	8	0·0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:— Clear sky. Sky less than 1/8 clouded. Sky 1/8 to 1/2 clouded. Sky 1/2 to 7/8 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
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 December, 1936.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light or moderate southeast or south winds, veering northwest later and freshening; mainly cloudy at first but becoming dull with rain or sleet later; local fog at times; average temperature or rather cold.
4 W. Midlands ...	Light or moderate southeast or south winds, veering northwest and freshening; dull at first with rain or snow at times, fair periods later; average temperature or rather cold with frost at night.
5 S.W. England 6 South Wales ... 7 North Wales...	Moderate or fresh north or northwest winds; cloudy with occasional showers at first, fair periods later; average temperature or rather cold with frost at night.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	As 4.
12 S.W. Scotland & Isle of Man.	As 5 - 7.
13 A. W. Scotld. B.N.W.Scotland. ▼ 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland ▼ 18 N. E. Ireland	Increasing westerly or southwesterly winds, strong to a gale in places; mainly cloudy with rain or snow at times; rather cold with frost at night.
19 S. E. Ireland 20 S. W. Ireland	Freshening westerly winds; fair periods and occasional showers; rather cold with frost at night.

GENERAL INFERENCE.

A depression is centred near Iceland and a secondary 400 miles west of Scotland is moving east. A trough of low pressure over the British Isles is moving slowly east accompanied by dull conditions and rain or sleet. The temperatures will on the whole be rather low for the time of year.

FURTHER OUTLOOK.

Probably rain at first in the Southeast, strong winds and further rain or snow in the North and West.

Time of issue of Gale Warning.

▼ South Cone hoisted 1945 on 11th in districts 13 and 17.

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

Forecasts issued at 1030 G.M.T.

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

Morning of
Saturday,
12th December.
1936.

Clarke's Projection. Scale 1: 4·4 × 10⁷ along meridian at 55° N.
Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = 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, 12th December, 1936.
No. 27414.

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

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	102·0	-18	SE's	2	z.	33	95	6	5	–	–	10	10	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1013·4	-16	SSE	2	z.	33	95	6	5	–	–	10	10	450
	Manston ...	142	1011·8	-30	SSE	4	bc	33	95	6	5	–	–	4-6	4-6	1500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1013·8	-10	SSE	3	0	33	95	6	5	–	–	10	10	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1010·7	-6	SSW	3	c	39	95	7	5	–	–	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1008·3	-6	WSW	4	rr	46	95	6	5	–	–	10	10	1500
	Scilly (St. Mary's)	163	1008·4	-2	NW	4	r₀r₀	45	95	7	6	–	–	10	10	1500
	Guernsey ..	175	1011·9	-12	S	2	c	38	85	6	8	–	–	10	10	2500
6	Pembroke ...	142	1005·9	-12	SW	6	rr	45	95	7	5	–	–	10	10	2500
7	Holyhead ...	26	1007·2	+2	WNW	3	RR	42	95	6	6	2	–	9	10	800
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1011·5	0	SW	4	f–	34	95	3	5	–	–	10	10	1150
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1007·4	-2	SW	2	c	39	95	5	5	–	–	9	9	800
11	Inchkeith ...	190	1005·3	+4	S	2	m	40	95	4	5	–	–	10	10	800
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1006·9	+2	NE	3	rr	43	95	7	6	–	–	10	10	800
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1004·2	-2	SW	3	bc	40	75	8	5	7	–	2-3	4-6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1004·4	+4	W	1	r₀r₀	39	95	8	5	2	–	7-8	10	800
16	Lerwick ...	156	1003·5	+32	W	3	bc	41	95	8	5	–	–	4-6	4-6	1500
17	Blacksod Point	18	1009·7	0	WNW	5	c	39	85	7	9	–	–	7-8	7-8	800
18	Malin Head ...	52	1006·8	+2	W.	2	c	41	95	7	8	–	–	9	9	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia, Obsy. †	30	1011·9	+6	WNW	4	phr	40	95	8	6	–	–	2-3	2-3	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 * (30)
1010·4	-10	E	2	z.	35	95	6	5	–	–	10	10	800	1	*
1009·8	-10	ESE	2	z.	35	95	5	5	–	–	10	10	1500	1	*
1009·5	-12	E'S	2	m	35	95	4	5	–	–	10	10	800	1	*
1009·4	-10	SE	2	e	35	95	7	5	–	–	10	10	800	1	
1009·4	-14	SE'E	3	c	41	95	7	5	7	–	7-8	9+	1500	1	2
1011·7	-2	S	2	z.	37	95	6	5	–	–	10	10	450	1	1
1011·4	-2	S'W	2	z.	37	95	6	5	–	–	10	10	800	1	
1011·0	-8	S'W	2	c	37	85	6	5	–	–	9+	9+	2500	1	*
1011·1	-6	S	2	0	37	95	6	6	–	–	10	10	2500	1	2
1010·7	-10	S	3	z.	33	95	6	5	–	–	10	10	1500	1	*
1010·4	-6	SSW	3	z.	31	95	6	5	2	–	7-8	10	2500	4	*
1009·1	-10	SE	3	c	31	95	6	–	7	–	0	9+	–	1	*
1010·1	-6	SE	2	z.	33	95	5	5	–	–	10	10	800	1	*
1008·4	-8	S	2	m	36	85	4	5	–	–	9+	9+	4000	1	*
1008·4	-8	S	3	c	44	85	7	5	–	–	10	10	1500	1	3
1007·8	+2	NNW	3	r₀r₀	43	95	7	6	2	–	9	10	1500	1	2
1008·9	+4	NW	4	c	41	95	8	4	2	–	9	10	1500	1	3
1008·9	+10	NW	5	c	45	75	8	8	–	–	9+	9+	1500	1	3
1010·2	+2	S	2	c	40	85	6	8	–	–	10	10	2500	0	1
1007·6	+16	N'W	5	q	41	85	7	8	–	–	9+	9+	2500	1	4
1007·3	0	NNW	5	r₀	42	85	7	5	2	–	7-8	10	1500	1	3
1007·8	-4	SE	3	r₀r₀	35	95	5	–	2	–	10	10	1500	1	*
1008·2	-6	S	2	1s.	34	85	6	–	2	–	10	10	800	1	*
1009·5	-8	S'W	3	z.	31	95	5	5	1	–	4-6	9	800	0	2
1007·5	-4	SE'S	2	z.	32	95	5	5	–	–	10	10	1500	1	*
1007·5	+4	SW	2	0	35	95	5	5	–	–	10	10	800	1	2
1006·8	+2	SW	2	c	40	85	7	5	–	–	10	10	1500	1	1
1004·5	-2	WSW	6	c	40	75	7	8	–	–	7-8	7-8	1500	0	*
1002·0	-4	W	2	bc	37	85	8	8	–	–	4-6	4-6	2500	1	*
	-2	–	0	bc	32	95	8	4	4	–	2-3	2-3	4000	1	*
1004·6	0	WNW	1	r₀r₀	37	95	6	–	2	–	10	10	1500	1	2
1003·5	-6	SW	1	0	38	85	8	5	–	–	10	10	800	1	*
1003·2	-4	WSW	1	ir	40	85	7	9	2	–	9	10	800	1	*
1009·4	0	W	4	bc	40	75	8	9	–	–	4-6	4-6	1500	1	3
1006·4	+2	SW	3	bc	44	95	7	5	–	–	4-6	4-6	1500	0	3
1007·3	+2	W	2	bc	35	95	8	5	–	–	2-3	2-3	1500	1	*
1009·5	+2	NNW	1	bc	31	95	8	–	4	–	0	2-3	–	1	*
1011·9	+2	WNW	5	bc/pr	43	65	8	8	–	–	4-6	4-6	2500	1	3
1011·7	+4	NNW	3	b	38	95	8	5	–	–	1	1	2500	1	2

PAST 24 HOURS.

Temperatures. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 24h. Hrs. (36)
39	33	26	Tr	–	0·0
41	33	27	0·1	–	0·4
39	33	27	Tr	–	0·0
37	31	28	–	–	0·0
42	37	36	–	–	0·3
39	32	31	–	–	1·8
39	31	31	–	–	3·1
41	33	28	–	–	4·2
36	32	28	–	–	1·5
38	30	26	Tr	Tr	0·1
35	28	25	0·1	–	0·0
38	30	27	–	–	0·1
35	32	28	–	–	*
42	33	25	–	–	0·6
41	38	*	–	–	*
45	39	37	Tr	4	0·0
(48)	41	*	–	8	*
47	43	*	–	4	0·8
38	35	31	–	–	0·0
49	39	*	Tr	4	0·0
49	40	40	7	29	0·0
45	35	33	–	2	0·3
40	34	33	–	Tr	0·8
40	31	*	–	–	0·2
38	32	30	Tr	–	0·0
36	34	30	Tr	–	0·0
45	38	36	0·6	0·3	0·0
40	37	37	0·5	0·6	0·0
40	35	32	4	0·1	0·0
37	35	32	4	17	0·0
*	41	*	5	18	0·0
46	37	35	7	0·1	0·0
42	36	*	9	0·2	0·0
41	31	28	2	0·1	0·0
47	37	35	Tr	9	0·8
47	38	*	4	2	*
48	39	*	1	2	0·0
49	35	*	0·6	1	*
47	42	*	3	–	0·0
44	25	34	7	1	0·0
47	30	20	12	4	0·0
48	37	31	3	1	0·1
50	38	*	17	2	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day mm.	Rainfall. Night mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	bfxcm₀	cbm₀xm₀	cm₀	39	33	26	Tr	–	0·0	*	*	5
Croydon	217	bcfxcz₀	cz₀bcox	oxm₀	41	33	27	0·1	–	0·4	*	*	5
Greenwich (Royal Observatory) ...	149	cm	cmb	bxcm	41	30	21	–	Tr	0·6	88	91	4
City (Sunhill Row)	—	*	*	*	*	*	*	–	–	0·0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	42	32	30	–		0·0	78	89	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	42	33	31	–	–	0·0	86	91	*
Camden Square	110	fcf	cfc	*	41	32	30	–	Tr	*	*	92	*
Kensington	80	bcz	oxmp	*	41	34	28	–	Tr	0·0	At 18h. 87	86	*
Hampstead Observatory	450	bc	0	oxf	40	31	25	–	Tr	0·0	*	94	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·6	12-15h 11th	<0·3	1-4h 12th

Kew Observatory. Max.	Time.	Min.	Time.
0·9	10h 11th	<0·1	0-4h 12th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 11th December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 12th December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1016·9	–	0	z₀	32	1013·9	–	0	z₀	28
Brussels	1017·8	–	0	m	30	1023·8	*	*	b	34
Berlin	1018·0	SE	3	z₀	34	1017·7	–	0	F	30
Zürich						1018·4	ESE	1	F	27
Rome	1018·9	ENE	2	c/d	52					

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
32	27	–	–
30	28	–	Tr
37	28	*	–
	27		–
*	*	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 20 feet above the ground.

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

TERMS OF SUBSCRIPTION. { Single Copies, 1d. each: by post 1½d. 2/6 per month; 5/6 per quarter; 25/- per year.

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

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

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 13th December, 1936.
No. 27415.

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 12th December. Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)	OBSERVATIONS at 18h. G.M.T. 12th December. Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)	PAST 24 HOURS. Weather. 7h.—13h. 12th (37)	13h.—18h. 12th (38)	18h. 12th to 1h. 13th (39)	1h.—7h. 13th (40)
1	London (Kew)	1008·7	−12	–	0	z_o	41	85	5	5	–	–	10	10	800	1008·5	+2	SSW	2	rr	41	95	4	6	2	–	10	10	800	1	*	cm_o	cmrr	rrr_obc	bm_ox
	Croydon ...	1008·6	−14	S	2	ir_o	42	85	5	5	2	–	9	10	1500	1008·3	0	S	3	r_or_o	41	95	5	5	–	–	10	10	1500	1	*	ocm_o	d_orfm	er_orm	cbm_ocbx
	S. Farnborough	1008·7	−14	S'E	2	ir_o	41	85	5	5	7	–	4-6	10	1500	1008·5	+2	SSE	1	r_or_o	40	95	4	–	2	–	10	10	1500	1	*	$omcir_om$	$cm_or_rm_o$	$orrmbx$	bx
	Boscombe Down	1008·2	−14	SSE	3	z_o	40	95	5	5	–	–	10	10	800	1009·6	+22	NNW	4	q	35	95	5	5	–	–	10	10	800	1	*	cm_ocr_oc	cm_or_oq	cir_om_obcbx	bx
	Calshot (Sthmtn.)	1009·1	−6	SE'E	3	r_or_o	42	95	5	5	–	–	10	10	800	1008·6	+2	WNW	2	s_o^{sq}	42	95	6	5	–	–	10	10	800	1	2	cpr_orrm_o	cir_om_o	cir_om_obcbx	bx
	Lympne ...	1010·5	−12	s'W	3	z_o	42	95	6	5	–	–	10	10	800	1009·9	0	SW'S	2	id_o	40	95	5	6	2	–	9	10	800	1	§ 3	om_omr_o	om_otd_o	om_orrr_o	r_or_ombxm
	Manston ...	1010·2	−10	S	3	z_o	41	85	5	5	–	–	9+	9+	2500	1009·4	−4	S	3	z_o	41	95	5	5	–	–	10	10	1500	1	*	cm_o	cm_o	$cor_or_om_o$	r_or_ombxm
2	Shoeburyness ...	1009·9	−10	S	2	c	43	95	6	5	–	–	9+	9+	1500	1009·2	−4	S	2	c	42	85	6	5	–	–	10	10	1500	1	*	m_oc	m_oc	m_orrc	xff
	Felixstowe ...																																		
	Gorleston ...	1010·1	−10	SW'S	1	c	40	85	6	5	–	–	10	10	2500	1009·4	−4	SE	2	o/r	40	95	6	6	–	–	10	10	1500	1	2	ocz_o	oz_oir_o	or_or_oo	oz_om
	Mildenhall ...	1009·9	−14	SSE	2	o/d	39	95	5	5	–	–	10	10	450	1008·7	−2	SE	2	of+	38	95	3	5	–	–	10	10	1600	1	*	od_om_o	$offd_o$	$offd_or_of_of_o$	offe
	Cranwell ...	1009·4	−10	SSE	3	o/s	33	95	5	5	–	–	10	10	450	1008·7	−2	S'E	1	z_o	33	95	5	5	–	–	10	10	800	1	*	$r_os_oh_os_o$	$s_os_or_om_or_os_or_os_o$		bcbm$_o$x
3	Birmingham ...	1008·8	−2	–	0	rs	34	95	2	6	–	–	10	10	800	1009·4	+4	NW	3	c	35	95	5	5	–	–	10	10	1500	3	*	$cofr_os$	$forssc$	cbc	bcx
4	Upper Heyford	1008·9	−12	SE	1	z_o	37	95	5	5	–	–	10	10	800	1009·3	+10	W	2	rr_o	34	95	4	6	–	–	10	10	800	1	*	om_omrs	$r_or_oir_o$	cr_or_ob	bxmm$_o$
	Ross-on-Wye	1008·7	0	NNW	2	rs	34	95	4	6	–	–	10	10	800	1009·9	+8	SW'S	2	c/r	35	95	8	5	–	–	9+	9+	2500	1	*	cor_or_om	rs_or_o	cbb	bx
5	Portland Bill ...	1007·9	−4	NW	3	rr	44	85	7	4	–	–	10	10	2500	1009·7	+16	NNW	4	bc	40	85	7	4	–	–	2-3	2-3	2500	1	3	oir_o	ir_o	bcb	bbc
	Plymouth ...	1009·6	+2	NW'N	4	c	43	85	8	8	3	8	2-3	9	1500	1011·5	+14	NW'N	3	z_o	41	75	5	5	–	–	1	1	1500	1	1	$cr_or_opr_oc$	$bcpr_obz_o$	bz_o	bxbc
	The Lizard ...	1010·6	−2	WNW	5	bc	44	65	8	8	7	–	4-6	4-6	2500	1013·0	+16	WNW	4	bc	39	75	8	8	–	–	4-6	4-6	2500	1	2	cbc	bc	bcpr	bcprq
	Scilly (St.Mary's)	1012·4	0	NW'N	4	bc	46	55	9	2	6	–	2-3	4-6	2500	1008·6	+12	NW'N	4	bc	43	65	8	2	6	–	2-3	4-6	2500	1	3	cbcy	bc	p_ocbc	bcp_o
	Guernsey ...	1009·0	−10	WSW	1	c/pr	45	95	6	8	2	–	7-8	10	2500	1010·2	+22	N'W	4	c	44	75	6	8	–	–	7-8	7-8	2500	1	3	cprc	cprc	cbcb	$bcpr_o$
6	Pembroke ...	1009·1	+6	NW'N	5	q	44	65	8	7	8	–	2-3	4-6	4000	1010·0	+6	NNW	4	bc	42	65	7	5	–	–	4-6	4-6	4000	1	2	cirqbc	bcqbc	cbcqpr_o	bcprqc
7	Holyhead ...	1008·8	−2	NW	5	jp	43	75	8	2	1	–	2-3	9	4000	1009·1	+8	W'N	2	b	41	75	8	1	–	–	1	1	4000	1	2	ir_oprh_o	c, b	bbcb	bbc
	Chester(Sealand)	1008·3	−2	WNW	4	ir_o	40	85	6	6	2	–	4-6	10	1500	1008·9	+10	W'N	1	z_o	36	95	5	6	2	–	4-6	10	1500	1	*	r_or_ocrr	cir_om_o	em_ob	bbx
8	Manchester ...	1007·7	−10	S'E	2	of+	35	95	3	5	–	–	10	10	450	1009·1	+10	NW'W	1	of	34	95	2	5	–	–	10	10	450	1	*	dir_off	$offir_o$	oF bx	bbcx
10	Spurn Head ...	1008·7	−8	SSW	4	ps	34	95	5	5	2	–	7-8	10	800	1007·9	0	SSW	3	rf	35	95	3	5	–	–	10	10	⟨150	1	2	psh_oz	P_osof	or_off	fmcbc
	Catterick ...	1008·1	−6	–	0	sf	32	95	3	–	2	–	10	10	450	1008·3	+8	–	0	df	33	95	3	–	–	–	10	10	⟨150	1	*	m_of So	s_os_ofdd	of_mbx	bxbcm$_o$
	Tynemouth ...	1007·4	0	W	2	ir_o	36	95	4	6	–	–	10	10	800	1006·9	+2	SW	2	ir_o	37	95	5	6	–	–	10	10	800	1	2	or_off	oir_om	eir_mbc	bc
11	Inchkeith ...	1006·7	+2	SW	2	z_o	40	95	6	5	–	–	9+	9+	1500	1006·6	0	SW	2	bc	40	96	7	5	–	–	4-6	4-6	1500	0	1	cz_o	z_ocbc	bcc	cbc
	Leuchars ...	1006·2	0	SW	3	z_o	38	85	8	–	7	–	0	9+	–	1005·9	0	SW	1	z_o	33	95	6	–	7	–	0	7-8	–	1	*	ccz_o	cz_o	cz_obcb	bx
12	Renfrew (Abbots I.)	1006·8	−2	SW	1	pr_o	39	95	5	5	1	6	2-3	10	2500	1006·0	−2	SSW	2	z_o	37	85	6	–	–	8	0	4-6	–	1	1	r_ocz_o	z_ocbc	bcbx	z_obx
	Eckdalemuir ...	1007·3	0	S'W	3	c	36	95	7	5	–	–	10	10	220	1007·4	+2	SW	3	c	34	95	6	5	–	–	9+	9+	220	1	*	cm_oc	$ccxm_o$	bpr_ox	bcbx
	Point of Ayre...	1008·0	+4	NW'N	3	c	42	85	8	8	1	–	2-3	7-8	2500	1008·0	0	W	2	bc	38	85	8	–	4	–	0	2-3	–	1	2	opr_oc	c	cbcbc	bc
13a	Tiree	1003·4	−12	SW'W	5	bc	44	55	9	8	–	8	4-6	4-6	2500	1002·7	0	WNW	4	ir	38	85	8	6	2	–	9+	10	1500	1	3	cbc	bcciR	ciR	bcph$_o$
13b	Stornoway ...	1001·2	−6	SSW	4	bc	40	75	9	3	7	3	2-3	4-6	1500	999·8	−6	SSW	3	bc/rs	35	95	8	8	–	–	4-6	10	1500	1	2	bcphrq	bcprs	bcprsl	bcprs
15	Dalwhinnie ...	1005·8	−6	S	4	bc	35	85	8	4	6	5	1	4-6	2500		−4	SW	2	bc	34	85	8	4	6	–	2-3	2-3	2500	0	*	bc	bc	*	isc
	Aberdeen ...	1005·0	−4	S	1	z_o	39	95	5	–	7	–	0	10	–	1004·4	−2	SW'S	2	z_o	36	85	6	–	–	8	0	4-6	–	1	1	r_ocz_o	z_ocbc	bcbx	z_obx
16	Wick ...	1003·1	−2	SW	3	c	38	85	8	8	–	8	2-3	7-8	1500	1002·4	−4	SW	3	c	36	75	8	6	7	1	4-6	7-8	1500	1	2	oc	c	cbc	bbc
	Lerwick ...	1001·9	−6	SW	3	r_or_o	38	95	7	6	1	–	10	10	800	1000·8	−2	SW	4	c/r	41	85	8	8	7	–	4-6	7-8	1500	1	*	cor_or_o	or_ocir	cbc	bccphr
17	Blacksod Point	1007·9	−10	W	4	c	42	85	9	9	–	–	7-8	7-8	1500	1007·5	−8	NW	2	bc	40	85	8	3	–	–	2-3	2-3	1500	1	3	prhq	PRcq	prcq	prcq
18	Malin Head ...	1005·2	−8	SW	4	bc	43	95	7	8	–	–	2-3	2-3	2500	1004·9	−4	SW	4	c/pr	39	95	7	8	–	–	7-8	7-8	1500	0	3	cbc	cprs	cprs	bc
	Aldergrove ...	1008·4	−4	SW	3	bc	37	85	8	5	7	3	Tr	2-3	1500	1007·6	−2	SSW	3	b	36	85	8	5	–	–	1	1	4000	1	*	bcc,b	bbcbx	bxcbx	bx
19	Birr Castle ...	1010·5	0	S	1	bc	40	85	8	5	–	–	2-3	2-3	4000	1009·6	0	S	1	bc	35	95	8	–	4	–	0	2-3	–	1	*	bc	bcpbc	berrbc	bcbx
20	Valentia Obsy. †	1012·4	−6	SW	1	c/ph	42	85	8	9	–	–	7-8	7-8	1500	1011·5	+2	WNW	3	c/ph	45	75	8	9	–	–	7-8	7-8	2500	1	3	phr_ophrc	bcphrq	$cbacpr_o$	cpr_oq
	Roches Point	1012·3	−4	NNW	3	b	43	85	8	2	–	–	1	1	2500	1012·1	+2	W'S	2	bc	40	95	8	3	–	–	2-3	2-3	2500	1	2	b	bbcw	bcbx	bxcp$_o$bc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo- stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

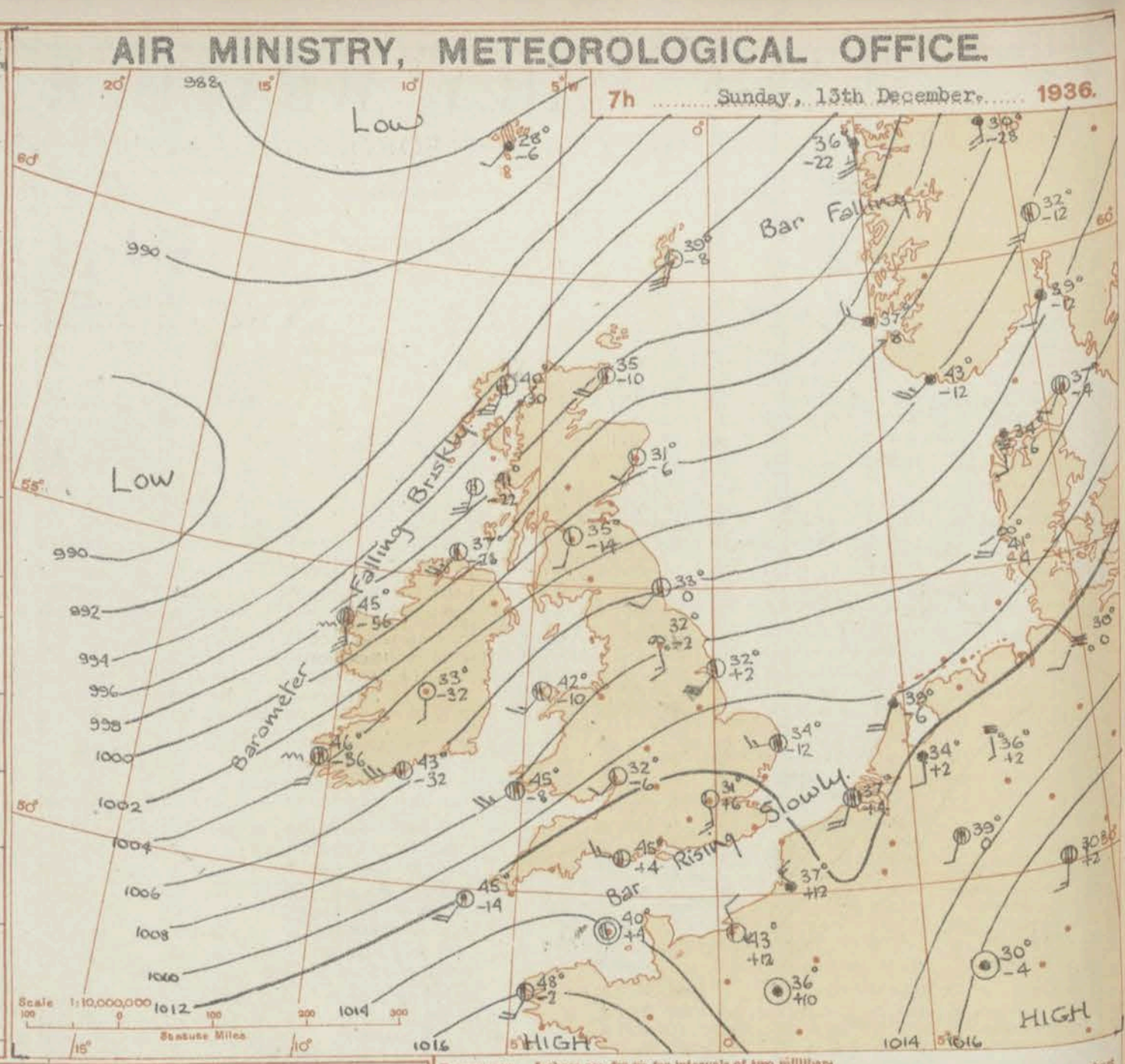
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 12th December 1936.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F°) Min. 9h. 11th to 9h. 12th	Temperature (F°) Max. 9h.—17h. 12th.	Rainfall (mm.) Night. 17h. 11th to 9h. 12th	Rainfall (mm.) Day. 9h.—17h. 12th	Sunshine (hrs.) Sunrise to Sunset. 12th
1	Tunbridge W.	omo	o	25	42	-	-	0·0
	Bournemouth	o	o	32	40	-	-	0·0
	Ventnor ...	or	oru	36	43	0·5	3	0·0
	Southsea ...	oro	orm	35	43	Trace	2	0·0
	Bognor Regis	o	orr	33	43	-	0·5	0·0
	Littlehampton	oc	cor	32	44	-	0·6	0·0
	Worthing ...	o	or$_o$	32	45	-	Trace	0·0
	Brighton ...	c	cderr	32	45	-	0·4	0·0
	Eastbourne†	o	o	36	44	-	-	0·0
	Hastings† ...	o	o	34	44	-	-	0·0
	Folkestone ...	com$_o$d	r$_o$oo	33	44	-	Trace	0·0
	Dover	mop	op	35	44	-	Trace	0·0
	Deal	f$_o$o	o	32	43	-	-	0·0
	Ramsgate ...	om	om	32	43	-	-	0·0
	Margate ...	c	c	34	43	-	-	0·0
2	Southend ...	o	o	33	43	-	-	0·0
	Maldon ...	o	o	25	41	-	-	0·0
	Clacton-on-Sea	oc	codm	31	46	-	Trace	0·0
	Dovercourt ...	oc	ocm	29	41	-	-	0·0
	Lowestoft ...	om$_o$	om$_o$d	30	41	-	Trace	0·0
	Skegness ...	mp$_o$so	om	32	38	Trace	-	0·0
	Mablethorpe	om$_o$	ohcom$_o$	31	36	Trace	Trace	0·0
	Cleethorpes ...	om$_o$	o	34	30	Trace	-	0·0
3	Leamington S.	co	or	33	37	-	3	0·0
4	Cheltenham†	ocors	rsoss	33	39	-	4	0·0
5	Bath	cr$_o$	r$_o$c.	33	43	-	0·5	0·0
	Weymouth ...	c	c	38	46	-	-	0·0
	Jersey ...	orc	cr	30	45	0·3	0·5	0·0
	Torquay ...	oprm$_o$	p$_o$cb	38	45	3	1	1·4
	Penzance ...	c$_o$p$_o$	bbcbc	42	47	6	0·2	3·2
	St. Ives ...	o	c	43	46	4	-	0·8
	Bude	cprh	pc	39	46	4	1	2·1
	Ilfracombe ...	opco	cbcc	39	46	2	-	0·0
6	Aberystwyth	orr	rrprc	35	39	11	9	0·0
7	Llandudno ...	rcir	dcrc	38	42	13	5	0·0
	Colwyn Bay ...	oro	opc	38	42	10	2	0·0
	Rhyl	oro	ocpr	34	43	11	2	0·0
8	Wallasey ...	irc	cbc	34	40	6	0·3	0·0
	Southport‖ ...	odmo	omo	34	39	2	0·2	0·0
	Blackpool ...	ome	o	34	37	1	0·2	0·0
	Morecambe ...	gridc	sdmo	33	37	2	2	0·0
9	Ilkley	go	gmo	33	36	0·1	-	0·0
	Harrogate ...	oc	fsrss	30	34	-	0·3	0·0
10	Berwick-on-T.	om$_o$	oc	34	39	1	Trace	0·0
11	Dunbar ...	bcr$_o$	bc	35	40	4	Trace	0·0
12	Troon	cococ	cbcbc	36	47	3	-	0·3
	Douglas ...	cbc	cbbcx	37	41	37	-	0·6

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



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:— Clear sky. Sky less than 1/8 clouded. Sky 1/8 to 3/8 clouded. Hail.
Sky 3/8 to 5/8 clouded. Overcast sky. Rain falling. Snow. Sleet.
Fog. Mist. Thunder. Thunderstorm. Slight haze.
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 December, 1936.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Freshening southwest to south wind; fair at first apart from local fog but cloud increasing later with some rain or sleet towards end of period; rather cold with frost in exposed places early tonight.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ...	Freshening southerly winds, gale on coasts; fair at first, becoming cloudy early with rain or sleet later and snow on high ground in the North; rather cold at first, becoming milder.
10 N.E. England 11 S.E. Scotland	Freshening southerly wind, strong inland, gale locally on coasts; fair at first, sleet or snow later; becoming less cold.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland	Freshening southerly winds, veering later, strong to gale on coasts, severe locally; cloudy early, a period of snow or sleet at first giving place to rain or drizzle followed later by wintry showers; becoming milder temporarily but colder late in periods.
15 N. E. Scotland 16 Orkney and Shetland	Freshening south to southeast wind, strong to gale; fair at first, becoming cloudy early with rain or sleet later; becoming less cold.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Southerly winds, veering later, strong to gale, severe on coasts; occasional rain or sleet at first, spreading from west giving place to drizzle, wintry showers later in periods; average temperature to rather mild at first but becoming colder late in period.

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

GENERAL INFERENCE.

A deepening depression westward of Ireland is moving rapidly eastwards. In the North and West weather will become unsettled with rain or sleet spreading eastwards, some snow on high ground, followed later by wintry showers. In the South and East weather will be mainly fair with local fog inland at first but cloudy conditions are expected later with rain or sleet spreading from the West.

FURTHER OUTLOOK.

Occasional rain or sleet in the Southeast, wintry showers in the North and West.

Time of issue of Gale Warnings.

▼ South Cone hoisted at 0740 on 13th in districts 5 (part of), 6, 7, 8, 12, 13, 17, 18, 19 and 20.
▼ South Cone hoisted at 1115 on 13th in districts 5 (part of), 11, 15 and 16.

Forecasts issued at 1100 G.M.T.

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

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

Morning of

SUNDAY,
13TH DECEMBER.

1936.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = 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, 13th December, 1936.
No. 27415.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1011·2	+12	NW	4	z_o	36	95	6	5	-	-	9	9	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1010·0	-2	W'N	3	$r_o r_o$	41	95	6	6	2	-	9+	10	220
	Manston ...	142	1009·9	0	W'S	1	$r_o r_o$	40	95	6	-	2	-	10	10	1500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1009·5	0	WSW	2	o_o	39	95	6	6	-	-	10	10	1500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1012·0	+6	NW	3	b	42	75	7	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1013·7	0	SW	2	bc	41	85	8	8	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	1013·9	0	W'S	4	bc	45	75	8	2	-	-	2-3	2-3	2500
	Guernsey ..	175	1013·4	+6	NNW	2	b	41	75	6	-	-	-	0	0	-
6	Pembroke ...	142	1010·1	-2	W	5	bc/pr	45	75	7	5	-	-	4-6	4-6	2500
7	Holyhead ...	26	1008·3	-10	W'S	3	bc	43	85	8	1	-	-	2-3	2-3	2500
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1008·6	+2	W	4	cf	35	95	3	5	-	-	7-8	7-8	<150
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1006·2	-4	SW	2	bc	34	95	6	5	-	-	2-3	2-3	800
11	Inchkeith ...	190	1005·1	-4	SW	4	c	38	95	8	5	2	-	4-6	10	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1007·0	-6	W	4	bc	40	95	8	4	-	-	4-6	4-6	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	999·7	0	SSW	3	bc	37	75	8	8	7	-	2-3	4-6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1000·1	-2	SW	2	bc	34	85	8	5	7	-	2-3	5+	1500
16	Lerwick ...	156	997·5	-22	SW	6	bc/ph	41	85	8	9	-	-	4-6	4-6	1500
17	Blacksod Point	18	1005·6	-20	NW	4	bc	43	75	8	9	-	-	4-6	4-6	1500
18	Malin Head ...	52	1003·9	-8	SW	3	bc	36	95	7	4	-	-	2-3	2-3	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1010·1	-10	W	3	b	44	95	7	9	-	-	1	1	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 * (30)
1	London (Kew)	1012·9	+8	SSW	2	z_o	30	95	6	5	-	-	Tr	Tr	1500	5	*
	Croydon ...	1012·5	+6	S'W	3	b	31	95	6	-	3	-	0	Tr	-	1	*
	S. Farnborough	1013·1	+6	S	1	b	26	95	7	-	8	-	0	Tr	-	5	*
	Boscombe Down	1013·1	8-h	S	2	bc	27	95	7	5	-	-	2-3	2-3	1500	4	*
	Calshot (Sthmtn.)	1013·2	+6	-	0	b	31	95	7	8	4	-	Tr	Tr	4000	4	1
	Lympne ...	1013·1	+14	NW'N	3	m	31	95	4	5	3	1	Tr	Tr	4000	1	0
	Manston ...	1012·7	+14	WNW	2	m	35	95	4	5	-	-	10	10	450	1	*
2	Shoeburyness ...	1012·9	+12	W'S	2	f	33	95	3	-	-	-	10	10	<150	1	*
	Felixstowe ...																
	Gorleston ...	1011·3	+12	W'S	3	m	34	95	4	5	-	-	10	10	1500	1	2
	Mildenhall ...	1011·4	+4	SSW	2	f+	31	95	2	-	-	-	10	10	<150	1	*
	Cranwell ...	1010·2	+4	SW'W	3	z_o	30	95	6	-	-	-	0	0	-	4	*
3	Birmingham ...	1010·7	0	SSW	2	bc	32	85	7	5	-	-	4-6	4-6	2500	6	*
	Upper Heyford	1012·4	+2	S	1	z_o	29	95	6	-	3	-	0	1	-	1	*
4	Ross-on-Wye	1011·0	-6	SW	2	b	32	85	7	5	-	-	1	1	4000	1	*
5	Portland Bill ...	1012·3	+4	W	3	bc	45	75	8	4	-	-	2-3	2-3	2500	0	3
	Plymouth ...	1012·9	-6	ENE	1	bc	30	95	7	5	-	-	4-6	4-6	1500	1	1
	The Lizard ...	1012·6	-4	SW'S	4	c/pr	44	85	8	8	-	-	7-8	7-8	2500	1	3
	Scilly (St. Mary's)	1011·7	-14	SW'S	4	bc/pr	45	85	8	8	4	5	4-6	4-6	1500	1	3
	Guernsey ..	1014·2	+4	-	0	bc	40	85	9	8	-	-	4-6	4-6	2500	1	2
6	Pembroke ...	1007·8	-8	SW'W	5	q	45	85	7	7	8	-	4-6	7-8	2500	1	3
7	Holyhead ...	1006·5	-10	SW'W	3	bc	42	85	8	1	-	-	2-3	2-3	2500	1	2
	Chester(Sealand)																
8	Manchester ...	1008·6	-2	S'E	3	b	31	95	7	-	-	-	0	0	-	4	*
		1009·0	-2	SSW	1	bc	31	95	7	-	3	-	0	2-3	-	4	*
10	Spurn Head ...	1009·0	+2	SW	4	bc	32	95	6	-	1	-	0	2-3	-	4	3
	Catterick ...																
	Tynemouth ...	1007·3	-2	S	3	z_o	32	95	5	5	3	-	2-3	2-3	2500	4	*
11	Inchkeith ...	1003·9	-4	SW	3	bc	37	95	8	5	-	-	2-3	2-3	2500	0	2
	Leuchars ...	1002·7	-10	SW	3	b	32	95	8	-	-	-	0	0	-	4	*
12	Renfrew (Abbots I.)																
	Eskdalemuir ...	1003·0	-14	SSW	1	b	35	95	7	2	-	-	1	1	4000	1	*
	Point of Ayre...	1004·9	-4	SSW	3	bc	32	95	8	5	-	-	2-3	2-3	1500	4	*
		1005·3	-6	SSW	2	b	34	95	8	2	-	-	1	1	2500	1	1
13A	Tiree	997·3	-22	SSW	5	bc	41	85	8	5	-	-	4-6	4-6	2500	0	*
13B	Stornoway ...	994·9	-30	SSW	5	bc	40	85	8	3	7	-	2-3	2-3	2500	1	3
15	Dalwhinnie ...																
	Aberdeen ...	1001·9	-20	S	4	c	32	85	7	4	6	-	4-6	7-8	2500	6	*
	Wick ...	1001·6	-6	SW	1	b	31	75	7	2	-	-	Tr	Tr	2500	4	1
16	Lerwick ...	998·4	-10	SW	4	bc	35	85	8	5	-	-	2-3	2-3	2500	1	2
		995·9	-8	SSW	6	c	39	95	8	9	8	-	4-6	7-8	1500	1	*
17	Blacksod Point	998·2	-56	S	5	c	45	95	7	9	-	-	10	10	800	1	4
18	Malin Head ...	999·3	-28	SW	5	bc	37	95	7	5	-	-	2-3	2-3	2500	0	3
	Aldergrove ...	1003·3	-28	S'W	4	b	32	95	8	5	-	-	Tr	Tr	4000	1	*
19	Birr Castle ...																
20	Valentia Obsy. †	1004·2	-32	S	1	b	33	95	8	-	-	-	0	0	-	1	*
	Roches Point	1003·0	-36	SSW	4	c	46	85	8	5	7	-	4-6	10	1500	1	4
		1005·8	-32	WSW	5	bc	43	95	8	6	-	-	4-6	4-6	1500	1	3

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 12h Hrs. (36)
1	London (Kew)	42	30	24	1	2	0·0
	Croydon ...	42	31	28	0·6	2	0·3
	S. Farnborough	41	25	16	1	2	0·0
	Boscombe Down	41	26	18	1	Tr	0·0
	Calshot (Sthmtn.)	43	29	24	2	0·1	0·0
	Lympne ...	42	31	27	Tr	4	0·0
	Manston ...	42	34	31	-	3	0·0
2	Shoeburyness ...	43	31	26	-	1	0·1
	Felixstowe ...						
	Gorleston ...	40	33	32	Tr	0·6	0·0
	Mildenhall ...	38	31	30	Tr	2	0·0
	Cranwell ...	33	28	26	0·3	1	0·0
3	Birmingham ...	35	30	25	3	-	0·0
	Upper Heyford	38	26	17	4	0·3	*
4	Ross-on-Wye	37	28	16	5	-	0·0
5	Portland Bill ...	47	39	*	1	-	*
	Plymouth ...	44	29	28	0·6	-	2·9
	The Lizard ...	45	37	*	-	1	*
	Scilly (St. Mary's)	46	41	*	-	1	4·7
	Guernsey ..	46	38	27	0·4	Tr	0·0
6	Pembroke ...	44	42	*	0·1	0·4	4·2
7	Holyhead ...	44	40	34	1	-	1·0
	Chester(Sealand)						
8	Manchester ...	40	28	21	1	-	0·0
		36	29	23	0·5	Tr	0·0
10	Spurn Head ...	36	32	*	0·1	2	0·0
	Catterick ...						
	Tynemouth ...	33	26	22	1	Tr	0·0
11	Inchkeith ...	45	36	32	-	-	0·0
	Leuchars ...	39	25	16	-	-	0·0
12	Renfrew (Abbots I.)						
	Eskdalemuir ...	40	29	23	1	0·4	0·0
	Point of Ayre...	37	30	23	-	Tr	0·0
		43	32	*	1	-	0·4
13A	Tiree	45	36	33	1	1	3·1
13B	Stornoway ...	40	33	*	1	2	1·6
15	Dalwhinnie ...						
	Aberdeen ...	35	26	23	-	1	0·3
	Wick ...	40	30	23	0·2	-	0·0
16	Lerwick ...	40	32	*	-	-	*
		42	38	*	3	1	0·0
17	Blacksod Point	46	38	*	2	2	*
18	Malin Head ...	45	34	*	1	Tr	4·4
	Aldergrove ...	40	31	28	--	-	3·6
19	Birr Castle ...						
20	Valentia Obsy. †	42	32	22	0·2	0·1	4·8
	Roches Point	47	38	34	2	1	2·5
		45	35	*	-	0·3	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity. 15h. G.M.T % (To-day.)	Humidity. 9h. G.M.T % (To-day.)	Visibility 9h.
Kew	18	cm_o	cmrr	$rr_o bc$	42	30	24	1	2	0·0	*	*	5
Croydon	217	ocm_o	$d_o r_o fm$	$cr_o r_o m$	42	31	28	0·6	2	0·3	*	*	6
Greenwich (Royal Observatory)	149	cm	$cfd_o r_o$	$rr_o fbx$	42	28	19	Tr	2	0·0	95	95	F5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Park)	27	*	*	*	43	29	25	2		0·0	95	97	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	43	31	26	1	2	0·0	91	90	*
Camden Square	110	cw	cferf	*	40	30	24	0·4	1	*	*	92	*
Kensington	80	comr	bcx	*	43	31	21	0·4	3	0·0	At 18h. 93	94	*
Hampstead Observatory	440	oro	orfbcmx	bm	41	29	21	0·4	5	0·0	*	99	*

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

South Kensington.

Max.	Time.	Min.	Time.
0·6	15-20h 12+h	<0·3	01-06h 13+h

Kew Observatory.

Max.	Time.	Min.	Time.
0·6	10h 7h. 12+h	<0·1	4-7h 13th.

FOREIGN OBSERVATIONS.

18h. G.M.T. 12th December.

Stations	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1012·2	-	0	m	41
Brussels	1011·9	SSW	3	bc	37
Berlin	1015·8	S	1	z_o	36
Zürich					
Rome	?	E	2	c	50

7h. G.M.T. 13th December.

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1013·4	-	0	id_o	36
1016·6	S'E	3	z_o	28
1018·7	NW	1	F	27
1017·3	NE	2	z_o	43

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
43	36	-	1
41		-	
36	27	-	-
*	*	—	1

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 14th December, 1936.
No. 27416.

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1010·4	-22	S	3	z.	41	85	6	5	-	-	2-3	2-3	4000
	Croydon ...	1010·7	-18	S'W	4	z.	44	75	6	-	3	-	0	1	-
	S. Farnborough	1010·5	-22	S'W	2	z.	44	75	6	5	5	-	tr	1	4000
	Boscombe Down	1009·8	-30	S'E	3	z.	42	86	5	5	3	-	4-6	4-6	1500
	Calshot (Sthmtn.)	1011·0	-18	S	4	b	47	85	8	8	4	-	1	1	2500
	Lympne ...	1013·0	-14	SSW	2	b	40	85	7	-	-	-	0	0	-
	Manston ...	1012·1	-14	SW'S	3	b	43	65	7	-	-	-	0	0	-
2	Shoeburyness ...	1011·5	-14	SSW	3	b	42	75	7	-	-	-	0	0	-
	Felixstowe ...														
	Gorleston ...	1010·3	-12	S	3	b	36	85	6	-	-	-	0	0	-
	Mildenhall ...	1010·0	-18	S'W	3	z.	41	75	6	-	5	-	0	tr	-
	Cranwell ...	1007·7	-20	SSW	3	b	40	85	8	-	-	1	0	tr	-
3	Birmingham ...	1007·1	-24	S	3	bc	38	85	6	-	-	6	0	2-3	-
	Upper Heyford	1008·0	-26	S	3	z.	40	85	6	1	3	1	1	2-3	2500
4	Ross-on-Wye	1006·5	-32	SSW	3	bc	45	75	7	7	-	-	1	2-3	4000
5	Portland Bill ...	1009·2	-24	SSW	4	c	49	75	8	4	-	-	7-8	7-8	2500
	Plymouth ...	1007·5	-30	SW'S	5	c	49	75	8	8	4	5	4-6	7-8	2500
	The Lizard ...	1007·8	-28	S	6	c	49	75	8	8	2	-	7-8	10	2500
	Scilly (St.Mary's)	1005·3	-40	SSW	6	c/pr	49	75	7	8	7	-	4-6	9+	1500
	Guernsey ...	1012·5	-20	SW'S	4	bc	48	75	9	1	-	-	2-3	2-3	2500
6	Pembroke ...	1001·3	-36	SW	8	q	48	75	7	8	-	-	9	9	2500
7	Holyhead ...	999·2	-48	SSW	5	ir.	46	95	7	9	2	-	4-6	10	2500
	Chester(Sealand)	1004·0	-38	SE'S	4	z.	40	85	6	5	7	6	1	7-8	1500
8	Manchester ...	1004·9	-30	S'W	4	z.	39	85	6	5	5	6	2-3	7-8	5700
10	Spurn Head ...	1007·0	-16	SSW	4	bc	39	85	6	-	1	-	0	2-3	-
	Catterick ...	1002·6	-28	SE'S	2	z.	34	85	5	5	-	-	4-6	4-6	1600
	Tynemouth ...	1002·4	-30	SW	3	m	39	85	4	2	4	-	4-6	4-6	1500
11	Inchkeith ...	998·5	-30	S	2	c	41	95	8	5	-	9	4-6	9+	4000
	Leuchars ...	998·1	-34	-	0	bc	40	75	8	5	-	1	tr	2-3	4000
12	Renfrew (Abbots I.)	996·9	-46	SE'S	3	c	41	85	7	5	2	6	2-3	9+	4000
	Eskdalemuir ...	993·9	-44	SE	4	psh	35	95	7	5	-	-	9	9+	450
	Point of Ayre...	998·2	-34	SSW	5	phr	45	95	8	8	-	-	9	9	1500
13A	Tiree	987·6	-60	SE	7	c	42	85	7	5	2	-	4-6	10	1500
13B	Stornoway ...	985·4	-50	S	9	c	44	75	7	8	5	6	4-6	9	2500
15	Dalwhinnie ...	993·2	-60	S	6	c	35	85	7	4	6	5	4-6	9+	2500
	Aberdeen ...	997·0	-32	S	3	b	37	75	6	1	-	3	tr	1	1500
	Wick ...	992·6	-26	SSW	6	c	41	75	8	5	9	1	4-6	9	1500
16	Lerwick ...	992·9	-24	SSW	6	bc	41	85	8	8	-	6	4-6	4-6	1500
17	Blacksod Point	983·3	-34	S	8	u	48	95	7	9	-	-	10	10	800
18	Malin Head ...	986·9	-38	S	5	r.r.	40	95	7	8	-	-	10	10	800
	Aldergrove ...	993·3	-66	S'E	5	c	42	85	8	5	2	-	1	10	2500
19	Birr Castle ...	992·8	-64	S	2	rr	44	95	7	6	-	-	10	10	1500
20	Valentia Obsy. †	988·4	-82	SSW	6	rr	49	95	6	6	2	-	7-8	10	800
	Roches Point	995·3	-60	SW	8	rr	48	95	6	6	-	-	10	10	800

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

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1005·8	-30	S	4	z.	41	85	6	5	-	-	1	1	4000	1	*
	Croydon ...	1006·2	-26	S	4	be/pr	42	95	6	5	-	-	2-3	2-3	2500	1	*
	S. Farnborough	1004·9	-36	S'W	5	bc	43	85	7	5	-	-	4-6	4-6	1500	1	*
	Boscombe Down	1003·8	-38	S	5	ir.	42	95	6	5	-	-	9	9	1500	1	*
	Calshot (Sthmtn.)	1006·2	-36	S	6	b	46	85	8	8	-	-	1	1	1500	1	
	Lympne ...	1009·8	-18	SSW	5	bc	41	85	7	5	-	-	2-3	2-3	1500	1	$ 4
	Manston ...	1008·9	-16	S'W	4	bc	40	85	8	5	-	-	2-3	2-3	2500	1	*
2	Shoeburyness ...	1008·0	-18	S	4	b	41	85	8	-	-	-	0	0	-	1	*
	Felixstowe ...																
	Gorleston ...	1007·4	-20	SSE	4	b	39	85	7	-	-	-	0	0	-	1	3
	Mildenhall ...	1005·6	-30	S	4	z.	39	85	6	-	-	5	0	2-3	-	1	*
	Cranwell ...	1002·1	-42	S	4	b	38	85	7	5	-	-	1	1	2500	1	*
3	Birmingham ...	999·4	-50	SSE	4	c	40	85	8	5	2	-	2-3	9+	800	1	*
	Upper Heyford	1003·1	-44	SSE	5	ir.	39	95	6	5	1	-	4-6	7-8	2500	1	*
4	Ross-on-Wye	999·4	-44	S	5	q	45	75	7	5	2	-	7-8	10	1500	1	*
5	Portland Bill ...	1002·9	-50	SSW	6	c	48	95	8	5	-	1	10	10	2500	1	5
	Plymouth ...	1000·4	-40	SSW	8	pr.	49	85	7	6	-	-	10	10	800	1	5
	The Lizard ...	998·8	-40	S'E	8	pr.	48	95	7	8	-	-	10	10	1500	1	4
	Scilly (St.Mary's)	996·1	-56	SSW	8	rr	48	85	7	8	-	-	10	10	1500	1	4
	Guernsey ...	1007·7	-38	SSW	5	q	47	85	8	8	-	-	7-8	7-8	2500	1	4
6	Pembroke ...	990·6	-50	SW'S	10	rr	48	95	6	8	-	-	10	10	1500	1	4
7	Holyhead ...	986·7	-72	SSW	8	ir.	45	95	7	6	2	-	4-6	10	1500	1	4
	Chester(Sealand)	994·1	-70	SE	5	c	41	85	6	6	2	-	7-8	10	1500	1	*
8	Manchester ...	995·6	-60	S	5	z.	42	85	6	5	7	-	7-8	10	2500	1	*
10	Spurn Head ...	1000·4	-48	SSE	6	bc	39	95	6	-	2	-	0	4-6	-	0	5
	Catterick ...	995·1	-50	SE	3	z.	35	95	5	5	-	-	10	10	1500	1	*
	Tynemouth ...	994·4	-56	S	5	o	39	95	6	6	-	-	10	10	800	1	3
11	Inchkeith ...	986·7	-72	SSE	5	c	42	95	8	5	2	-	4-6	10	2500	0	4
	Leuchars ...	987·2	-68	SSE	6	c	40	85	8	5	2	-	7-8	10	2500	1	*
12	Renfrew (Abbots I.)	983·3	-82	SSE	4	r.r.	42	85	6	-	2	-	10	10	1500	1	*
	Eskdalemuir ...	988·0	-64	SE	6	c/pr	38	85	6	5	-	-	10	10	450	1	*
	Point of Ayre...	984·5	-86	SSW	7	rr	44	95	7	6	-	-	10	10	800	1	4
13A	Tiree	971·0	-90	SE	8	RR	45	85	6	6	-	-	10	10	800	1	5
13B	Stornoway ...	974·4	-64	SSE	8	c	45	85	8	5	2	-	4-6	10	2500	1	6
15	Dalwhinnie ...	981·6	-92	SE	7	s	35	85	6	6	-	-	10	10	1500	6	*
	Aberdeen ...	987·8	-54	S	5	ir.	42	85	6	6	-	-	10	10	1500	1	2
	Wick ...	983·1	-32	S	8	c	41	85	8	5	7	-	4-6	10	1500	1	4
16	Lerwick ...	986·1	-40	S	8	bc	43	85	8	8	-	-	4-6	4-6	1500	0	*
17	Blacksod Point	971·7	-24	WS	7	q	49	95	7	9	-	-	4-6	4-6	800	2	5
18	Malin Head ...	969·1	-80	S	5	rr	43	95	7	8	-	-	10	10	800	1	3
	Aldergrove ...	977·3	-96	S	7	rr	44	95	6	6	-	-	10	10	800	1	*
19	Birr Castle ...	976·5	-86	S	4	rr	48	95	7	6	-	-	10	10	1500	1	*
20	Valentia Obsy. †	978·3	-38	WSW	6	rr	51	95	6	6	-	-	10	10	800	1	4
	Roches Point	981·8	-62	SW	8	rr	50	95	6	6	-	-	10	10	800	1	5

PAST 24 HOURS.

Weather. 7h.—12h. 13th (37)	12h.—18h. 13th (38)	18h. 13th to 1h. 14th (39)	1h.—7h. 14th (40)
bm.	bm.cpr.b	bbcc.	r.rir.
bjfbz.	bjcprbcc,crr	crrr.r.
bxm.	bbc.qpr.	bcerr	orrm.o
bxbcm.	cqir.	cir.q	orrer.r
bxm.bc	bbcpr	bbccrrr	cRRr.r
bmFFxb	bbccvbc	cbcr.	or.r.cr.
FFbm.	bbc	cbccq	cqr.r.
f,iF,fb	b w	bwbcc	rrc.
offbz.	bz.bq	bbccq	air.q
offe,bm.	bz.	bz.o.	qcr.c.
bxb	bbcb	bxc.	crrr.r.
bc	bcc	cor.r.	orr.
bxm.bc	bccm.r.	r.qr.r.	qRRiR.
bcb	bcc	rrq.	rrq.
bcc	cpr	orr	dR.
bcpr.v	cpr pr.	orrq.	orrqirm
cprqc	cprqpr	oRrm	rrprq
bccp.	cr.r.q	corrr.	ar.c.
cprbc	bccq	illegor.r.	or.r.
caprc	cqmrr	qairm	qqrrm
bcpr.c	irir.	rrRRR	qdRRc.
bcmx	cir.m.	crrm.	crrm.
bbcmx	bccm.	cm.rr	cr.r.rrm.
bc	bc	cq	rrq.
xbcm.	bcrm.	cmarr	orrm.r.
bcm	bcmo	oirq	grrirq
bcc	c	cir.q	cr.r.
bxbcx	bcxcq	cqcqr.	cqr.r.
bxbcc	crm.rr	r.r.RR.	dRRrr
cxish	irsir	orrRR.	dRRrr
bcphr	rr	rr	r.r.
bcc	cRR	dRR.	c
cprphr c	c	crr	cpr. rsc.
	cir orr	*	
bxcb	bor.	r.RR.	orrc.
bcc	c	cr.r.	c
ephrbc	bc	bccirqm	crrqm
iRq	Rrq	iR	iR.
c	cr.	cpr.	cir.c.
bxco	ocr.rr	crhrr	crrm.
borr	orr	orr.	orrir.
r.r. rr	rr Rrr	rrir.	irir.c.
corr	orr	orrc.	orr

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo-stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

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

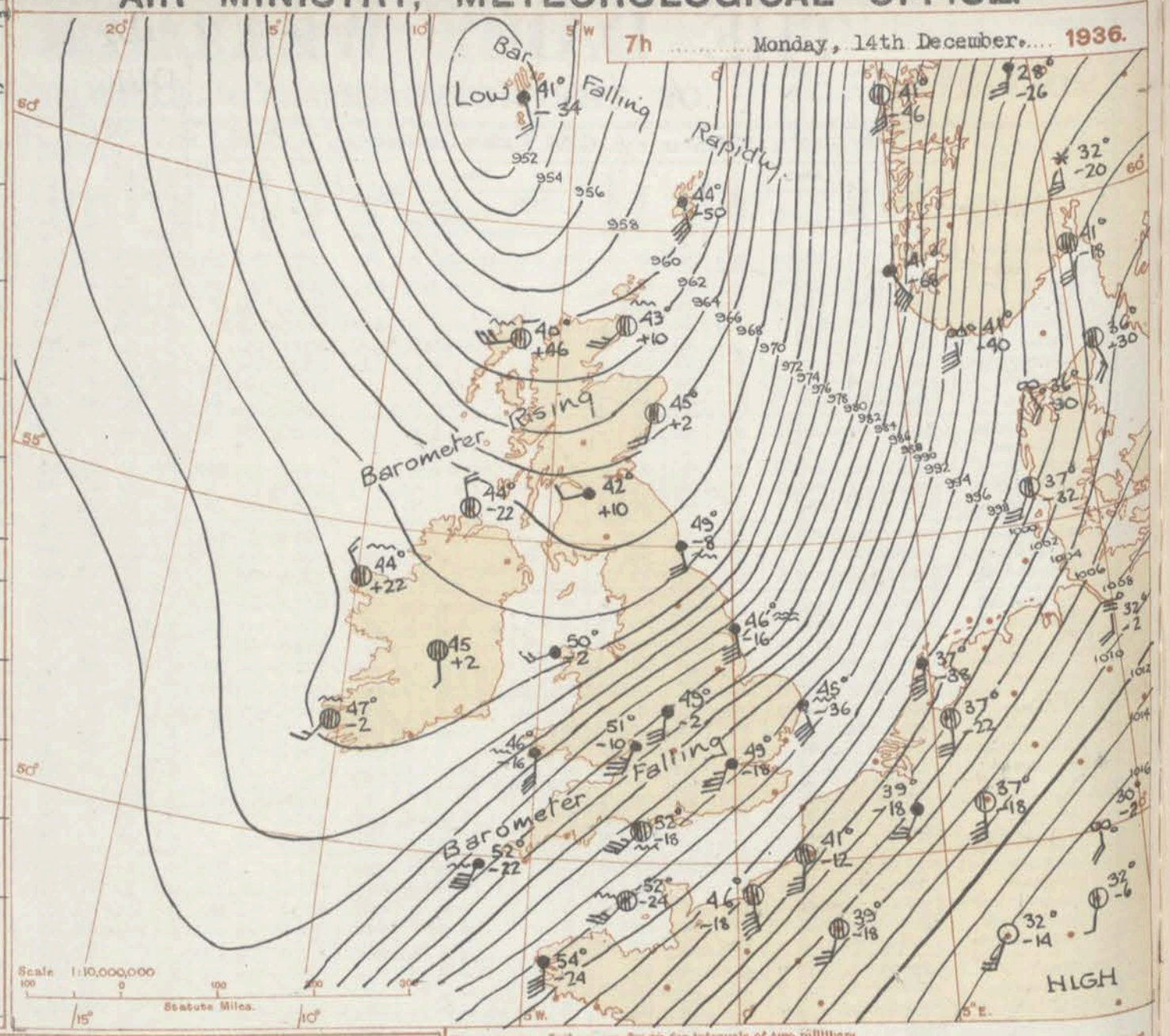
† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 13th December 1936.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F) Min. 9h. 12th to 9h. 13th.	Temperature (F) Max. 9h.—17h. 13th.	Rainfall (mm) Night. 17h. 12th to 9h. 13th.	Rainfall (mm) Day. 9h.—17h. 13th.	Sunshine (hrs) Sunrise to Sunset. 13th.
1	Tunbridge W.	b	bbcpb	29	44	4	Trace	5·6
	Bournemouth	b	*-1	29	48	-	1	4·1
	Ventnor ...	xb	borou	34	49	-	3	4·6
	Southsea ...	bfb	corcb	28	47	-	3	4·7
	Bognor Regis	bebc	bcrc	29	47	1	Trace	4·8
	Littlehampton	bbc	bc	27	47	0·6	-	4·5
	Worthing ...	b	bcbbc	28	48	2	-	5·3
	Brighton ...	fxcb	bcrbc	30	46	2	0·1	3·8
	Eastbourne†	bbc	bcbbc	29	46	4	0·3	5·1
	Hastings† ...	b	bcbcc	29	47	2	-	4·7
	Folkestone ...	xfbb	bbcc	32	45	4	-	5·9
	Dover... ...	mbcb	bbcp	33	46	4	0·2	6·0
	Deal	fcb	b	33	44	-	-	4·5
	Ramsgate ...	cbc	bc	31	44	4	-	4·5
	Margate ...	Fbc	bcb	32	44	3	-	4·6
2	Southend ...	cfb	b	32	44	1	-	4·1
	Maldon ...	cb	b	32	42	1	-	3·0
	Clacton-on-Sea	cfc	cbc	30	42	0·3	-	3·2
	Dovercourt ...	foc	bcv	30	41	Trace	-	3·3
	Lowestoft ...	FbFb	b	30	40	0·3	-	4·1
	Skegness ...	mfb	bcm	29	40	2	-	4·0
	Mablethorpe	xm.cb	bbcm.	28	38	2	-	3·3
	Cleethorpes ...	bcm.	bcx	29	38	2	-	5·2
3	Leamington S.	b	bcc	27	43	-	-	4·0
4	Cheltenham†	mob	bbcc	25	43	Trace	-	5·4
5	Bath	b	bbccp	26	46	-	0·3	5·6
	Weymouth ...	b	bcpq	26	51	-	1	4·8
	Jersey ...	pcbc	bct	35	48	0·2	-	5·1
	Torquay ...	xbcp.	epo	29	49	-	1	3·4
	Penzance ...	bcpc	cpqr	37	50	4	1	1·8
	St. Ives ...	p	o	37	49	2	1	1·1
	Bude	bc	cod	39	47	2	Trace	3·2
	Ilfracombe ...	opco	opco	38	48	1	2	00
6	Aberystwyth	prhbc	cpr	33	46	2	2	2·6
7	Llandudno ...	bbcpc	cpc	35	48	Trace	Trace	1·8
	Colwyn Bay...	bcbcc	cpcpo	36	46	-	1	1·6
	Rhyl	xbc	bcc	32	44	-	-	1·5
8	Wallasey ...	bcc	c	33	41	-	-	0·3
	Southport‖ ...	mc	cmbco	31	41	-	-	2·6
	Blackpool ...	cbc	c	33	39	7	-	2·7
	Morecambe ...	cbcbc	cbcco	31	42	1	-	3·0
9	Ilkley... ...	bc	bc	31	41	1	-	3·7
	Harrogate ...	bbc	c	31	38	1	-	2·6
10	Berwick-on-T.	b	bcc	32	39	-	-	3·8
11	Dunbar ...	bcx	bc	33	42	-	-	3·2
12	Troon... ...	cbcbc	coror	36	48	-	1	2·1
	Douglas ...	bcar	oiRq	34	48	-	3	0·8

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 14th December, 1936.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Southwest winds, strong to gale, veering later and moderating, rainy at first, bright intervals later, mild at first, average temperature later.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Moderate west winds, becoming strong northwest to north, gale at times on coasts; occasional rain at first, sleet or snow showers later; average temperature to rather cold.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. / B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Fresh or strong southwest winds veering northwest to north, gale at times; sleet or snow showers at times; average temperature to rather cold.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Strong northwest to north winds, gale at times later; occasional showers of rain or hail; rather cold.

Barometer. Isobars are drawn for intervals of two millibars.
Wind. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
Temperature is given in degrees F.
Weather Symbols:— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 5/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
Sea Disturbance. Rough. High.
Barometric change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

An intense depression near the Faeroes is moving northeast and an associated trough of low pressure is moving east over England. The weather will be rainy and mild in the southeast at first; elsewhere weather will become colder with sleet or snow at times in the north and northwest.

FURTHER OUTLOOK.

Changeable and colder.

Times of issue of Gale Warnings.

▼ South cone hoisted 0740 on 13th in districts 6,7,11,12,13,17,18,19, 20; at 1115 on 13th in districts 5,8 15,16. and at 1400 on 13th in districts 1, 2, and 10.

Forecasts issued at 1000 G.M.T.

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

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

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

Morning of

MONDAY,
14TH DECEMBER.

1936.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = 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, 14th December, 1936.
No. 27416.

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

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	996·7	-·40	SSW	6	rr	45	95	8	-	2	-	10	10	1500.
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	348	1000·8	-·42	SW	6	ir.	43	85	8	5	-	-	9+	9+	4000.
	Manston ...	142	1000·1	-·46	SSW	6	q	43	75	8	5	-	-	10	10	1500.
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	997·1	-·60	SE	5	c	42	95	7	8	-	-	9	9	2500.
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	991·5	-·60	SW	7	rr	48	95	6	5	-	-	10	10	1500.
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	985·0	-·40	SW	9	R.	51	95	5	6	-	-	10	10	800.
	Scilly (St. Mary's)	163	985·7	-·38	SW's	8	ir.	51	95	6	6	-	-	10	10	1500.
	Guernsey ..	175	988·6	-·50	SW	6	r.r.	49	85	4	5	-	-	10	10	800.
6	Pembroke ...	142	977·8	-·24	SW's	9										
7	Holyhead ...	26	972·6	-·38	SW's	7	q dd	51	95	6	8	-	-	10	10	1500.
	Chester (Sealand)	16	*	*	*	*	*	51	95	5	5	-	-	10	10	800.
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	984·0	-·88	SE	9	q	44	85	7	5	2	-	4-6	9+	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	974·0	-·84	S	8	rr	43	95	7	6	-	-	10	10	800.
11	Inchkeith ...	190	969·6	-·28	SSE	6	ir.	41	95	8	5	-	-	10	10	2500.
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	969·2	-·46	SW	6	rr	50	95	7	6	-	-	10	10	800.
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	957·7	-·60	S	7	c/r.	46	85	7	5	7	-	4-6	7-8	1500.
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	964·9	-·70	S	9	r.r.	43	95	6	6	2	-	7-8	10	800.
16	Lerwick ...	156	971·4	-·84	SSE	8	ir	45	95	6	9	2	-	9	10	800.
17	Blacksod Point	18	970·1	-·8	W	8	iR	45	95	9	6	-	-	10	10	800.
18	Malin Head ...	52	965·0	+·2	WSW	4	c	46	95	6	8	-	-	9+	9+	800
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	972·2	-·14	WSW	6	R.R	50	95	7	8	-	-	10	10	1500.
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
969·2	-·14	SSW	7	ir.	49	85	7	6	-	-	10	10	1500	1	*
969·8	-·18	SSW	7	r.r.	49	95	7	6	-	-	10	10	1500	1	*
969·1	-·10	S'W	6	r.r.	49	95	6	-	2	-	10	10	450	1	*
967·5	-·14	SSW	7	r.r.	49	95	6	6	2	-	10	10	800	1	*
970·9	-·10	S'W	8	c/r.	50	85	8	8	7	-	4-6	9	1500	1	4
965·0	-·18	S'W	7	r.r.	45	95	7	5	-	-	10	10	1500	1	5
963·9	-·22	SW	7	r.r.	45	85	7	6	2	-	9	10	1500	1	*
962·5	-·24	S	7	r.r.	47	85	7	6	2	-	7-8	10	800	1	*
969·8	-·36	SSE	8	ir.	45	95	6	6	-	-	10	10	800	1	5
966·9	-·14	S'W	7	q	50	85	7	5	-	-	10	10	800	1	*
961·8	-·16	S	7	c/r.	49	95	6	8	2	-	7-8	10	2500	1	*
980·6	-·2	SSW	6	rr	49	95	7	6	-	-	10	10	800	1	*
984·9	-·12	SSW	7	iR.	50	95	5	6	2	-	7-8	10	800	1	*
981·4	-·10	SW's	7	rr	51	85	6	6	-	-	10	10	1500	1	*
987·3	-·18	SW	7	o	52	95	7	5	-	-	10	10	1500	2	6
984·9	-·20	SSW	7	ir.	52	95	6	6	-	-	10	10	800	1	5
983·3	-·30	S	9	q	53	95	6	5	-	-	10	10	1500	1	5
980·1	-·22	SSW	8	ir.	53	85	6	6	-	-	10	10	1500	1	4
995·6	-·24	SW	6	q	52	85	6	8	-	-	10	10	2500	1	4
974·2	-·12	SWW	10	rr	52	95	6	5	-	-	10	10	1500	1	5
976·9	-·2	WSW	4	r.r.	50	95	7	8	-	-	10	10	1500	1	3
974·0	-·6	S'W	5	rr	54	85	6	-	2	-	10	10	1500	1	*
964·5	-·16	SSW	6	rr	52	95	6	6	2	-	4-6	10	1500	1	*
977·9	-·16	S	8	rr	46	95	7	6	2	-	7-8	10	1500	1	7
971·2	-·14	S'W	5	rr	51	85	6	6	2	-	9+	10	800	1	*
968·8	-·8	S	6	ir	49	95	7	6	-	-	10	10	800	1	4
967·8	-·4	S	5	r.r.	44	95	8	6	-	-	10	10	1500	1	4
968·8	+·10	SW	6	r.r.	44	95	6	6	-	-	10	10	1500	1	4
967·9	+·4	SW	5	rr	43	95	6	-	2	-	10	10	800	2	*
969·0	+·2	W'S	8	r.r.	48	95	7	6	-	-	10	10	800	1	3
967·1	+·20	W'N	5	c	42	55	7	5	-	-	9+	9+	1500	1	-
960·9	+·46	WSW	8	c	40	75	8	8	7	-	4-6	9+	1500	1	5
966·5	+·12	SW	4	c	37	85	7	4	6	-	4-6	7-8	2500	1	*
965·9	+·2	S'W	4	c	45	85	7	6	2	-	2-3	9+	1500	1	3
960·8	+·10	SW	5	c	43	85	8	8	7	-	4-6	7-8	1500	1	4
958·9	-·50	SSE	8	rr.	44	95	6	6	2	-	9	10	450	1	*
972·4	+·22	NW	3	c	44	85	7	9	-	-	7-8	7-8	800	1	4
968·9	+·22	NNW	4	c	44	85	7	8	-	-	9+	9+	2500	1	3
969·2	+·10	WNW	2	rr	42	95	6	6	-	-	10	10	800	1	*
970·5	+·2	S	1	q r.	45	95	7	6	-	-	10	10	1500	1	*
971·6	-·2	SW'W	3	c	47	85	8	5	-	-	10	10	1500	1	4
972·4	-·2	SW	3	rr	49	95	7	6	-	-	10	10	1500	1	5

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine (3+) Hrs. (36)
1	London (Kew)	43	41	38	Tr	2	6·4.
	Croydon ...	44	42	39	1	8	5·3.
	S. Farnborough	45	43	38	0·2	11	0·5.
	Boscombe Down	42	40	40	1	15	4·8.
	Calshot (Sthmtn.)	42	40	41	1	9	5·1.
	Lympne ...	48	46	41	1	9	4·0.
	Manston ...	42	41	35	-	3	4·0.
2	Shoeburyness ...	43	39	36	-	2	4·4.
	Felixstowe ...	44	41	37	-	1	4·8.
	Gorleston ...	40	39	38	-	0·2	4·3.
	Mildenhall ...	42	38	35	Tr	Tr	4·5.
	Cranwell ...	40	38	35	-	4	5·3
3	Birmingham ...	40	40	38	-	13	4·6.
	Upper Heyford	43	39	35	0·2	12.	*
4	Ross-on-Wye	45	44	40	-	33	4·6.
5	Portland Bill ...	50	47	*	0·1	12	*
	Plymouth ...	51	48	45	0·6	15	2·7
	The Lizard ...	49	46	*	1	7	*
	Scilly (St. Mary's)	49	48	*	2	7	1·0
	Guernsey ..	48	46	43	1	3	3·3
6	Pembroke ...	50	44	*	3	19	0·8.
7	Holyhead ...	48	48	43	3	26.	0·9.
	Chester (Sealand)	41	41	37	0·1	14.	1·6.
8	Manchester ...	43	42	37	0·1	7	4·2.
10	Spurn Head ...	39	38	*	-	5	5·8.
	Catterick ...	38	35	33	-	11	2·1.
	Tynemouth ...	39	39	36	-	7	1·6
11	Inchkeith ...	42	40	38	-	3	2·4.
	Leuchars ...	41	40	38	-	7	2·9.
12	Renfrew (Abbotsl.)	43	41	39	2	30	2·5.
	Eskdalemuir ...	38	37	37	1	37	1·8
	Point of Ayre ...	46	44	*	3	28	2·0.
13A	Tiree	45	40	38	4	4.	0·0.
13B	Stornoway ...	45	39	*	0·2	6.	0·1.
15	Dalwhinnie ...	37	33	32	2	21	0·0.
	Aberdeen ...	42	41	39	0·1	12.	0·1.
	Wick ...	42	39	*	-	Tr	*
16	Lerwick ...	44	33	*	0·4	9	0·3
17	Blacksod Point	50	42	*	28	7	*
18	Malin Head ...	44	42	*	2	3	0·0.
	Aldergrove ...	45	42	41	2	11	0·0
19	Birr Castle ...	48	44	42	2·5	14	0·0.
20	Valentia Obsy. †	53	47	45	24	13	0·0
	Roches Point	51	48	*	13	13	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T % Yesterday.	Humidity. 9h. G.M.T % To-day.	Visibility 9h.
Kew	18	bm.	bm.c.p.c.b	b.c.r.r	43	41	38	Tr	2	6·4	*	*	6
Croydon	217	bj.f.b.z.	b.c.p.r.b.c	c.r.r	44	43	39	1	8	5·3	*	*	5.
Greenwich (Royal Observatory) ...	149	bm	b.c.r.b	b.c.q.r	45	44	34	1	4	5·7	79	93	6.
City (Bunhill Row)	—	*	*	*	*	*	*	*		0·0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	51	36	30			3·0	72	89	*
Regents Px. (Botanic Gardens)‡ ...	168	*	*	*	50	35	34	0·1	1	1·4.	82	93	*
Camden Square	110	b.f.	b.c.p.c	*	50	44	36	0·3	1	*	*	92.	*
Kensington	80	b.c.p.r	c.o.d.	*	45	42	35	0·5	1	3·6	82 18h.	91	*
Hampstead Observatory	440	b.c.w	b.c.p	b.c.o.r	44	41	36	1	Tr	4·0	*	95.	*

FOREIGN OBSERVATIONS.

18h. G.M.T. 13th December

Stations	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1013·5	SSW	2	m	39
Brussels	1013·1	WSW	2	m	36
Berlin	1015·2	SSE	2	z	32
Zürich					
Rome					

7h. G.M.T. 14th December

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1007·9	SSW	5	c	39
1004·7	SSW	5	r.r.	39
1015·3	S	2	z	30
1019·1	W	1	m	34
1019·7	SW'W	4	rr	52

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
46	36	1.	-
37	32	2.	0·3.
37	28	-	-
	34		0·2.
*	*		2.

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·6	9-12h. 13th.	0·3	1-4h. 14th.

Kew Observatory. Max.	Time.	Min.	Time.
0·3	10h. 13th.	0·1	21h. 13th.

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 15th December, 1936.
No. 27417.

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)	SUNSHINE (3+) Hrs. (36)
1	London (Kew)	986·8	-18	SSW	6	r.r.	50	85	7	6	2	-	9+	10	800	6·4
	Croydon ...	987·6	-24	SSW	7	r.r.	49	85	6	6	-	-	10	10	800	5·3
	S. Farnborough	986·5	-24	S'W	7	rr	49	95	5	6	2	-	9+	10	450	0·5
	Boscombe Down	984·0	-30	S	8	rr	49	95	7	6	2	-	10	10	450	4·8
	Calshot (Sthmtn.)	987·3	-26	S'E	8	r.r.	50	95	5	6	2	-	7·8	10	450	5·1
	Lympne ...	993·0	-18	SSW	8	c	47	85	7	5	2	-	9+	10	800	4·0
	Manston ...	992·5	-14	S	7	q	48	75	8	5	-	-	10	10	800	4·4
2	Shoeburyness ...	990·8	-12	S'W	7	ir.	48	85	8	6	2	-	9+	10	800	4·8
	Felixstowe ...															
	Gorleston ...	988·5	-10	SSE	8	s/r	48	85	6	6	-	-	10	10	1500	4·3
	Mildenhall ...	985·1	-22	SSW	7	z.	52	85	6	6	2	-	9	10	800	4·5
	Cranwell ...	980·8	-10	S	7	ir.	53	85	8	6	2	-	7·8	10	1500	5·3
3	Birmingham ...	978·2	-20	S	6	r.r.	52	85	8	6	-	-	10	10	800	4·6
	Upper Heyford	982·5	-22	S'W	6	r.r.	50	95	6	6	2	-	9	10	450	*
4	Ross-on-Wye	978·4	-20	S'W	7	rr	52	95	6	6	-	-	10	10	1500	4·6
5	Portland Bill ...	983·6	-36	SW	7	rr	52	85	6	5	-	-	10	10	1500	*
	Plymouth ...	981·8	-14	SSW	6	rr	50	95	6	-	2	-	10	10	450	2·7
	The Lizard ...	981·4	-16	SSW	7	s/r	51	95	6	5	-	-	10	10	1500	*
	Scilly (St.Mary's)	981·0	+8	WSW	7	ir	48	95	6	6	-	-	10	10	1500	1·0
	Guernsey ...	989·1	-28	SW	6	rr	51	95	6	5	-	-	10	10	1500	3·3
6	Pembroke ...	974·4	0	W	8	q	48	95	6	5	-	-	10	10	2500	0·8
7	Holyhead ...	973·6	+8	SW's	4	r.r.	48	85	7	5	2	-	4·6	10	800	0·9
	Chester(Sealand)	975·1	+10	SSW	4	rr	51	85	6	6	2	-	4·6	10	2500	1·6
8	Manchester ...	974·9	-2	SWS	8	rr	51	95	6	6	2	-	9	10	800	4·4
10	Spurn Head ...	977·7	-14	S'W	8	pr	51	85	6	6	2	-	7·8	10	1500	5·8
	Catterick ...	974·3	+10	WSW	2	rr	47	85	6	6	2	-	7·8	10	1500	2·1
	Tynemouth ...	973·5	+20	SW	3	rr	47	95	5	6	-	-	10	10	800	1·6
11	Inchkeith ...	972·2	+14	SSW	4	c	42	95	6	5	7	-	4·6	10	800	2·4
	Leuchars ...	971·8	+22	SW	3	c	41	85	8	5	1	-	7·8	9+	4000	2·9
12	Renfrew (Abbotsl.)	973·2	+22	W'S	3	c	44	75	8	5	5	-	4·6	9+	4000	2·5
	Eskdalemuir ...	973·1	+16	-	0	c	39	85	9	5	-	-	10	10	1500	1·8
	Point of Ayre...	974·0	+20	NNE	3	pr.	43	85	7	5	-	-	10	10	1500	2·0
13A	Tiree	972·2	+16	W'S	4	jp	40	65	8	8	3	3	4·6	7·8	1500	0·0
13B	Stornoway ...	966·6	+16	WSW	5	c	41	65	8	8	7	-	4·6	7·8	2500	0·1
15	Dalwhinnie ...	971·9	+16	SW	3	c	36	85	8	4	6	2	2·3	7·8	4000	0·0
	Aberdeen ...	971·1	+24	W	3	c	42	65	7	1	7	-	1	9	1500	0·1
	Wick ...	967·1	+22	SW	4	c	40	65	8	8	6	-	4·6	7·8	1500	*
16	Lerwick ...	961·3	+10	WSW	8	c	44	75	8	8	7	-	4·6	7·8	800	0·3
17	Blacksod Point	978·6	+20	NW	3	c	42	65	8	3	-	4	4·6	7·8	1500	*
18	Malin Head ...	974·3	+32	NNW	3	c	44	95	8	5	-	-	7·8	7·8	4000	0·0
	Aldergrove ...	974·4	+22	WNW	1	c	41	85	7	5	7	-	4·6	9+	5700	0·0
19	Birr Castle ...	975·4	+20	NW	1	s/r	40	95	7	6	-	-	10	10	1500	0·0
20	Valentia Obsy.†	975·6	+22	NE	5	ir	43	85	7	6	-	-	10	10	1500	0·0
	Roches Point	975·7	+10	WSW	2	ir	45	95	7	6	1	-	7·8	9+	1500	*

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

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	986·4	+8	SSW	5	r.r.	50	95	7	6	2	-	10	10	800	1	*
	Croydon ...	987·1	+2	SSW	6	rr	48	95	6	6	-	-	10	10	1500	1	*
	S. Farnborough	986·4	+18	SW'S	4	r.r.	49	95	6	6	2	-	7·8	10	800	2	*
	Boscombe Down	985·5	+30	SW'S	4	r	47	95	7	6	2	-	10	10	450	1	*
	Calshot (Sthmtn.)	987·1	+22	S'W	6	rr	49	95	7	6	-	-	10	10	450	1	4
	Lympne ...	991·5	-6	S	7	rr	45	85	6	6	2	-	4·6	10	800	1	5·6
	Manston ...	990·9	-2	SSW	7	r.r.	45	85	7	6	2	-	7·8	10	800	1	*
2	Shoeburyness ...	989·3	+2	S	7	ir.	48	85	7	6	2	-	9+	10	800	1	*
	Felixstowe ...																
	Gorleston ...	987·3	-12	S'E	8	0	46	85	6	6	-	-	10	10	1500	1	5
	Mildenhall ...	985·0	+10	S'W	7	r.r.	49	85	7	6	-	-	10	10	1500	1	*
	Cranwell ...	981·4	+16	SSW	5	s/r	48	95	7	5	-	-	10	10	2500	1	*
3	Birmingham ...	982·6	+30	SSW	4	ir	46	95	6	6	-	-	10	10	800	1	*
	Upper Heyford	984·4	+30	SW	5	R	45	95	6	6	2	-	9+	10	450	1	*
4	Ross-on-Wye	983·2	+32	SW	3	s/r	46	75	7	5	-	-	9+	9+	2500	1	*
5	Portland Bill ...	985·6	+16	WSW	5	c	49	85	7	4	-	-	9+	9+	2500	2	6
	Plymouth ...	984·6	+10	SW'S	6	bc	49	75	7	5	-	-	2·3	2·3	1500	1	3
	The Lizard ...	984·0	+4	S	7	bc	49	75	7	8	-	-	4·6	4·6	1500	1	5
	Scilly (St.Mary's)	981·2	0	SW'S	6	bc/pr	48	75	7	3	-	-	4·6	4·6	1500	1	4
	Guernsey ...	989·6	+26	WSW	5	c	50	95	7	8	-	-	9+	9+	1500	2	5
6	Pembroke ...	979·3	+24	W'S	6	q	49	75	7	8	2	-	4·6	9+	2500	1	5
7	Holyhead ...	978·6	+46	N'W	5	r.r.	42	85	7	9	-	-	10	10	1500	1	3
	Chester(Sealand)	978·3	+30	SSW	4	c	47	75	8	5	-	-	7·8	7·8	4000	1	*
8	Manchester ...	977·9	+20	W'S	4	c	47	75	6	5	2	-	7·8	10	2500	2	*
10	Spurn Head ...	979·4	+16	SSW	6	rr	48	95	7	6	2	-	7·8	10	1500	1	5
	Catterick ...	975·8	+16	SSE	2	ir.	45	95	7	6	2	-	4·6	10	1500	1	*
	Tynemouth ...	976·1	+20	NW	2	ir	44	95	6	6	-	-	10	10	800	1	2
11	Inchkeith ...	976·4	+20	SSW	3	z.	40	95	5	5	-	-	10	10	800	0	3
	Leuchars ...	975·5	+28	SW	3	z.	37	95	6	5	1	-	9	10	4000	1	*
12	Renfrew (Abbotsl.)	977·2	+26	W'N	2	bc	37	85	7	5	5	-	4·6	4·6	5700	1	*
	Eskdalemuir ...	977·1	+22	W'N	1	c	37	85	8	5	-	-	10	10	1500	1	*
	Point of Ayre...	978·2	+30	N	4	rr	42	95	8	6	-	-	10	10	800	1	2
13A	Tiree	976·1	+18	W	5	b	41	65	8	8	-	-	1	1	1500	1	4
13B	Stornoway ...	976·9	+20	SW	5	bc	39	75	8	3	7	-	2·3	4·6	1500	1	3
15	Dalwhinnie ...	975·2	+24	SW	3	bc	34	75	7	4	6	-	2·3	4·6	2500	4	*
	Aberdeen ...	975·1	+14	SSW	2	z.	38	75	6	-	9	-	0	7·8	-	1	2
	Wick ...	971·4	+30	SW	4	bc	36	85	8	5	4	-	2·3	4·6	1500	1	3
16	Lerwick ...	966·6	+34	WSW	8	bc	42	75	8	8	-	-	4·6	4·6	1500	1	*
17	Blacksod Point	984·1	+24	NW	4	bc	41	75	8	9	-	-	4·6	4·6	1500	1	4
18	Malin Head ...	978·1	+24	NNW	4	bc	41	95	7	8	-	-	2·3	2·3	1500	0	3
	Aldergrove ...	979·4	+28	W	3	c	37	85	7	-	7	-	0	9	-	1	*
19	Birr Castle ...	982·6	+46	NW	1	c	39	85	8	5	7	-	2·3	9	2500	1	*
20	Valentia Obsy.†	987·4	+68	NNW	5	b	44	95	8	3	-	-	1	1	2500	1	4
	Roches Point	984·3	+60	N'E	4	c	39	95	8	6	-	-	9	9	1500	1	4

PAST 24 HOURS. WEATHER.

District	Stations.	7h.—13h. 14th (37)	13h.—18h. 14th (38)	18h.14th—1h.15th. (39)	1h.—7h. 15th (40)
1	London (Kew)	cr.r.	cr.r.	crrcrrc	cbm.
	Croydon ...	or.r.m.	r.rrRR	cPHRqrr	cprbc
	S. Farnborough	rr.r.rr	rrr.rr-	qiRq.m.	cbcb
	Boscombe Down	cmrcr	crrccr	cir.b	bbcr.b
	Calshot (Sthmtn.)	cir.rrm	crrRrPRm	crr.mPRqb	b
	Lympne ...	cir.c	cr.rr.m.	orr ir.	rRc,b
	Manston ...	r.r.cr.q	coir.rrq	or.rqr	corb
2	Shoeburyness ...	r.r.ir.c	ir.rRbc	cir.	rrc,b
	Felixstowe ...				
	Gorleston ...	air.q	air.q	or.rr	or.bc
	Mildenhall ...	cir.c	cir.	er.r.c	cr.rr,b
	Cranwell ...	cm.ir.	r.r.RRrr	cRbcb	b
3	Birmingham ...	air	ORr	oirc	cb
	Upper Heyford	crr.r.q	r.r.rRq	rr.bcR	cr.b
4	Ross-on-Wye	rrq	RQrq.r.	bccor	cbb
5	Portland Bill ...	orrz.	rr,z.c	bcc	cbc
	Plymouth ...	or.qrrm	cRRbcb	cPRpr.b	b
	The Lizard ...	prrrm	cprq	bcprq	bc
	Scilly (St.Mary's)	rrirq	ir.p.q	cpqbc	cp.q
	Guernsey ...	ir.or	qrqR	bcq.c pr	c
6	Pembroke ...	aqrrrmc	cprq	bcq	bcq
7	Holyhead ...	r.r.Rc	r.rrRqc	crrm.b	b
	Chester(Sealand)	crrr m.	crr m.c	cr.r.m.	cbm.
8	Manchester ...	crrrR	cir.m.cm.	cirm.	cir.m.
10	Spurn Head ...	rrq pr	prr	prc	cbc
	Catterick ...	orm.rr	m.orr.	r.o.r.r.m.	cbcb
	Tynemouth ...	oirrr	orr	orrbc	bbc
11	Inchkeith ...	r.r.c	cz.	z.cbc	bc
	Leuchars ...	cr.r.m.c	ccm.	cm.bcb	bx
12	Renfrew (Abbotsl.)	orrm.c	cbcc	bcpr.b	xcpsb
	Eskdalemuir ...	rrcvr	c	cbcbx	bbcps.
	Point of Ayre...	r.pr.	r.rr	rrcbc	bc
13A	Tiree	cjp	cpRb	c PHR	cphrq
13B	Stornoway ...	cprs.	cbcpr.	phr.bc	bcphr.
15	Dalwhinnie ...	c	c	*	cis
	Aberdeen ...	cc z.	cc z.	cz bz.	bx
	Wick ...	c	cbc	bc	bc
16	Lerwick ...	rrq c	cprq	bcphr	bcphrq
17	Blacksod Point	pr.c	pr.cq	pr.c	prcq
18	Malin Head ...	c	bc	cphr	cphrc
	Aldergrove ...	cr.r.c	c	cbc	bcph.bx
19	Birr Castle ...	oir	oirc	cprbc	bcx
20	Valentia Obsy.†	ir.rrir	crrbcby	phr.pr.	prpr.qbc
	Roches Point	orrir	circ	cir.bc	bcpr.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo-stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

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

† Sea disturbance reported from Dungeness.

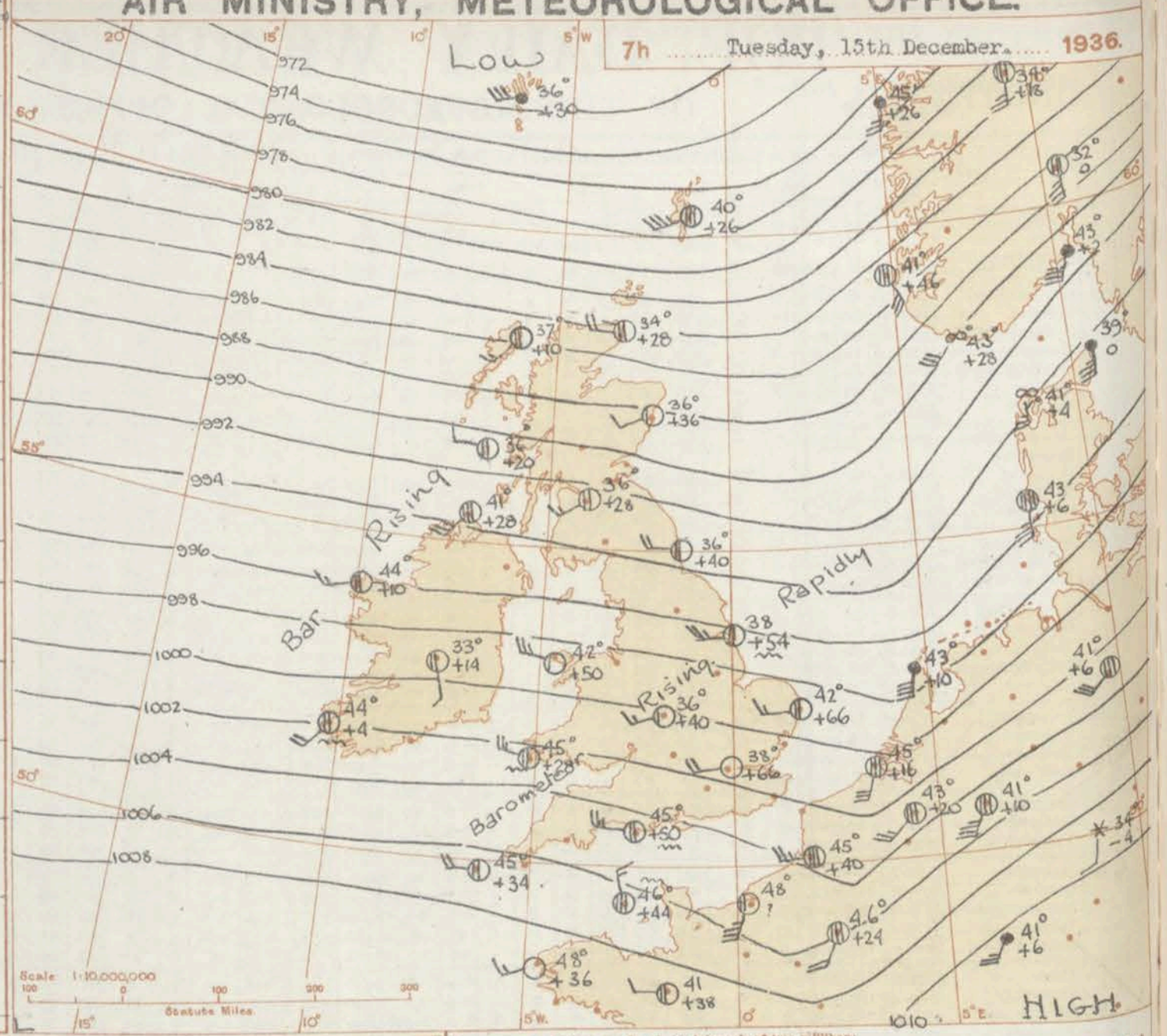
REPORTS from HEALTH RESORTS for 14th December 1936.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F) Min. 9h. 13th to 9h. 14th	Temperature (F) Max. 9h.—17h. 14th	Rainfall (mm) Night. 17h. 13th to 9h. 14th	Rainfall (mm) Day. 9h.—17h. 14th	Sunshine (hrs) Sunrise to Sunset 14th
1	Tunbridge W.	oro	oro	29	48	19	5	0·0
	Bournemouth	oro	oro	53	52	14	7	0.0
	Ventnor ...	rou	dor	41	51	4	1	0·0
	Southsea ...	or	or	36	52	8	3	0.0
	Bognor Regis	rc oo	roo	30	50	4	2	0·0
	Littlehampton	oir	oir	30	52	4	* 2	0·0
	Worthing ...	oirq	oirq	31	50	5	2	0·0
	Brighton ...	dorr	ddcd	36	50	5	0·1	0.0
	Eastbourne†	oq	or oq	43	50	4	0·3	0·0
	Hastings† ...	o	orr	44	46	2	3	0·0
	Folkestone ...	o	oorr	33	49	3	4	0·0
	Dover... ...	oc	cor	36	48	2	2	0·0
	Deal	oir	irq	32	49	3	3	0·0
	Ramsgate ...	am	arm	(42)	48	2	4	0·0
	Margate ...	cdr	cdr	32	49	1	3	0·0
2	Southend ...	cor	or	32	47	2	1	0·0
	Maldon ...	ro	o	38	49	1	-	0·0
	Clacton-on-Sea	oc	cor	31	47	1	1	0·0
	Dovercourt ...	roc	ocr	33	48	1	0·3	0·0
	Lowestoft ...	oir	oir	31	55	0.4	1	0·0
	Skegness ...	ocoq	oq rq	32	51	2	Trace	0·0
	Mablethorpe	oqqir	oq ir	31	50	7	0·3	0·0
	Cleethorpes ...	orq	orq	30	53	6	1	0·0
3	Leamington S.	or	or	30	53	3	3	0·0
4	Cheltenham†	morr	orr	38	52	28	16	0.0
5	Bath	qcrr	qrr	29	53	11	5	0·0
	Weymouth ...	rr	rr	30	53	15	12	0·0
	Jersey ...	perqc	crr	44	52	0·3	2	0·0
	Torquay ...	oRrq	orc	33	54	27	14	0·0
	Penzance ...	rq cir	cqir	47	52	26	3	0·0
	St. Ives ...	r	r	43	53	42	8	0·0
	Bude	r	ocbc	41	53	20	5	0·0
	Ilfracombe ...	orr	rro	39	54	25	10	0·0
6	Aberystwyth	rrprc	c	38	50	13	7	0·0
7	Llandudno ...	rr	rr	39	49	20	15	0·0
	Colwyn Bay...	rr	rropc	41	50	38	9	0·0
	Rhyl	orr	orcpr	34	54	14	8	0·0
8	Wallasey ...	rr	rr	34	52	7	10	0·0
	Southport ...	RR	rro	40	49	17	20	0·0
	Blackpool ...	RR	RR	34	47	38	18	0·0
	Morecambe ...	rror	irorr	33	48	42	16	0·0
9	Ilkley... ...	rraro	rraro	34	52	19	18	0·0
	Harrogate ...	crr	crrc	33	52	9	7	0·0
10	Berwick-on-T.	or o	orno	35	45	9	1	0·0
11	Dunbar ...	crr	bc	36	43	13	0·5	0·0
12	Troon... ...	roc	ccbc	40	46	23	0·5	0·0
	Douglas ...	oRR	or r.	45	47	35	5	0·0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Tuesday, 15th December..... 1936.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 15th December, 1936.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Moderate westerly winds, backing south and increasing; fine today, rain tomorrow; glazed frost tonight; average temperature today, rather mild tomorrow.
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 westerly winds increasing to south gale tomorrow; local showers at first; fine evening, rainy later; average temperature to rather mild.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Winds becoming south to southwest, gale, severe locally; becoming rainy, bright periods tomorrow; rather cold to average temperature.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 5/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A trough of low pressure over the North Sea is moving east and a very intense depression in mid-Atlantic is moving rapidly eastwards. Weather will be fine to fair in the East and Southeast at first but unsettled and stormy weather will be renewed in the West and North and extend to all districts later.

FURTHER OUTLOOK.

Fair temporarily.

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

Forecasts issued at 1030 G.M.T.

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

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

Morning of

TUESDAY.
15TH DECEMBER.

1936.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = Calm.

TEMPERATURE is given in degrees F.,

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 15th December, 1936.
No. 27417.

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

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	990.1	+10	SSW	5	be/r	47	88	8	6	7	-	4.6	4.6	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	993.3	+6	SSW	6	c/r	47	85	7	5	-	-	7.8	7.8	2500
	Manston ...	142	992.0	0	SW	6	c/r	47	95	8	5	7	-	4.6	7.8	2500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	990.7	+16	S	4	rr	44	95	6	6	-	-	10	10	1500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	991.6	+48	WNW	6	c	45	85	8	4	4	-	4.6	7.8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	997.3	+74	W	6	bc	48	68	8	8	-	-	2.3	2.3	2500
	Scilly (St. Mary's)	163	998.0	+66	NW'W	6	bc	45	68	8	2	-	-	2.3	2.3	2500
	Guernsey ...	175	995.4	+38	NW	5	c/r	47	85	8	8	-	-	10	10	2500
6	Pembroke ...	142	993.0	+42	NW	6	q	44	68	8	5	-	-	2.3	2.3	4000
7	Holyhead ...	26	989.4	+42	WNW	6	b*	43	75	8	5	-	-	1	1	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	986.6	+38	SW	4	c	43	85	7	5	8	-	4.6	5	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	984.8	+32	W	2	bc	37	95	6	5	-	-	4.6	4.6	800
11	Inchkeith ...	190	981.8	+24	SW	5	bc	38	95	8	5	-	-	2.3	2.3	4000
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	986.8	+42	NW'W	5	bc	41	78	8	4	-	-	2.3	2.3	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	978.8	+30	WSW	4	q	36	75	9	3	-	-	2.3	2.3	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	976.8	+20	W	3	bc	33	95	8	8	6	-	4.6	4.6	1500
16	Lerwick ...	156	972.2	+26	WNW	6	bc	40	95	8	8	-	-	4.6	4.6	1500
17	Blacksod Point	18	992.7	+34	NW	3	bc	40	85	8	3	-	-	4.6	4.6	1500
18	Malin Head ...	52	986.9	+50	NW	4	bc	40	85	7	3	-	-	4.6	4.6	800
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	998.0	+46	NW'W	5	bc	42	95	8	3	-	-	2.3	2.3	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1002.7	+50	WSW	3	z	39	85	6	-	-	-	0	0	-	1	*
	Croydon ...	1002.2	+66	WSW	4	b	38	85	8	-	-	-	0	0	-	1	*
	S. Farnborough	1002.8	+50	WSW	3	b	36	85	8	-	3	-	0	Tr	-	1	*
	Boscombe Down	1003.3	+46	SW'S	2	b	33	95	7	-	-	-	0	0	-	1	*
	Calshot (Sthmtn.)	1003.7	+40	SW'W	3	b	37	95	8	-	4	-	0	Tr	-	1	2
	Lympne ...	1003.1	+70	WNW	3	b	38	75	7	4	-	-	1	1	4000	1	3
	Manston ...	1001.2	+68	W	4	b	41	75	8	2	4	-	Tr	1	2500	1	*
2	Shoeburyness ...	1001.4	+72	W'S	3	b	39	85	7	-	7	-	0	Tr	-	1	*
	Felixstowe ...																
	Gorleston ...	998.2	+64	W'S	3	bc	42	85	6	5	-	-	4.6	4.6	2500	1	3
	Mildenhall ...	999.6	+46	W'S	4	b	37	85	7	5	-	-	Tr	Tr	2500	1	*
	Cranwell ...	998.7	+54	SW'W	3	b	35	95	7	-	4	-	0	Tr	-	1	*
3	Birmingham ...	1000.8	+40	WSW	3	b	36	85	8	-	-	-	0	0	-	1	*
	Upper Heyford	1001.7	+46	SW	3	b	33	95	7	-	-	-	0	0	-	1	*
4	Ross-on-Wye	1001.7	+36	W'S	3	b	38	75	8	5	-	-	Tr	Tr	4000	1	*
5	Portland Bill ...	1003.9	+50	WNW	5	bc	45	75	8	4	-	-	2-3	2-3	2500	2	5
	Plymouth ...	1005.0	+38	W	1	bc	42	85	8	3	-	3	1	2-3	2500	1	3
	The Lizard ...	1005.4	+36	WSW	5	bc	45	75	8	8	-	-	2-3	2-3	2500	1	4
	Scilly (St. Mary's)	1005.4	+34	W	4	bc	45	75	8	2	-	-	2-3	2-3	2500	1	3
	Guernsey ...	1006.4	+44	NNW	3	c	46	65	9	8	-	-	7-8	7-8	2500	1	4
6	Pembroke ...	1001.7	+28	WNW	5	q	45	75	7	8	-	-	4-6	4-6	2500	1	4
7	Holyhead ...	998.2	+50	WNW	5	b	42	75	8	1	-	-	1	1	2500	1	3
	Chester (Sealand)	998.1	+44	SW'W	3	z	39	75	6	5	-	-	1	1	4000	1	*
8	Manchester ...	998.0	+48	W'S	2	c	38	95	6	5	-	-	5+	8+	1500	1	*
10	Spurn Head ...	996.3	+54	WSW	5	bc	38	95	7	-	7	-	0	2-3	-	0	4
	Catterick ...	995.0	+40	W'N	1	bc	37	75	7	-	4	1	0	2-3	-	1	*
	Tynemouth ...	993.1	+40	W	4	bc	36	75	8	2	-	-	2-3	2-3	1500	1	2
11	Inchkeith ...	990.8	+36	SW	4	bc	37	95	8	8	-	-	2-3	2-3	2500	0	3
	Leuchars ...	990.3	+38	SW	4	b	35	85	8	-	-	-	0	0	-	4	*
12	Renfrew (Abbotsl.)	992.5	+28	SW'W	3	bc	36	85	7	8	-	-	2-3	2-3	4000	1	*
	Eskdalemuir ...	993.8	+42	WSW	3	ps	34	95	7	4	-	1	2-3	4-6	1500	6	*
	Point of Ayre ...	995.7	+32	WNW	5	b	40	85	8	4	-	-	1	1	2500	1	3
13A	Tiree	985.7	+20	SW'W	2	bc/pr	36	85	8	8	4	-	2-3	4-6	1500	1	-
13B	Stornoway ...	985.1	+20	SW	3	q	37	85	9	3	-	-	2-3	2-3	1500	1	3
15	Dalwhinnie ...	990.9	+38	SW	3	is	31	95	6	3	6	-	7-8	7-8	2500	7	*
	Aberdeen ...																
	Wick ...	988.8	+36	WSW	2	b	36	65	7	5	-	-	Tr	Tr	1500	4	2
16	Lerwick ...	983.9	+28	W	4	bc	34	85	8	6	-	-	2-3	2-3	1500	1	3
17	Blacksod Point	977.6	+26	WSW	7	c/phr	40	85	8	8	-	-	7-8	7-8	800	1	*
18	Malin Head ...	995.4	+10	W	3	bc	44	75	8	3	-	-	4-6	4-6	1500	1	3
	Aldergrove ...	992.3	+28	SW	5	c/phr	41	95	7	6	-	-	7-8	7-8	1500	1	3
		995.3	+34	SW'W	4	bc	34	95	8	5	-	-	2-3	2-3	1500	1	*
19	Birr Castle ...	999.1	+14	S	1	bc	33	95	8	-	4	-	0	2-3	-	1	*
20	Valentia Obsy. †	1001.5	+4	SW'W	4	bc	44	85	8	8	-	-	4-6	4-6	1500	1	4
	Roches Point	1003.0	+20	NNW	3	pr	41	95	8	6	-	-	4-6	4-6	1500	1	4

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 Hrs. (36)
1	London (Kew)	51	38	33	3	8	0.0
	Croydon ...	50	38	34	17	15	0.0
	S. Farnborough	50	36	31	15	5	0.0
	Boscombe Down	51	33	27	15	5	0.0
	Calshot (Sthmtn.)	51	36	33	4	3	0.0
	Lympne ...	47	38	34	6	5.4	0.0
	Manston ...	49	40	37	4	4	0.0
2	Shoeburyness ...	50	38	34	2	3	0.0
	Felixstowe ...						
	Gorleston ...	45	41/42	40	1	6	0.0
	Mildenhall ...	53	37	34	Tr	2	0.0
	Cranwell ...	53	35	32	6	1	0.0
3	Birmingham ...	(52)	35	32	15	1	0.0
	Upper Heyford	52	33	28	13	2	*
4	Ross-on-Wye	52	38	31	18	1.3	0.0
5	Portland Bill ...	53	43	*	10	1	*
	Plymouth ...	53	41	37	7	3	0.0
	The Lizard ...	53	42	*	4	1	*
	Scilly (St. Mary's)	53	42	*	1.4	2	0.1
	Guernsey ...	53	45	42	8	1	0.0
6	Pembroke ...	53	40	*	10	1	0.0
7	Holyhead ...	49	39	37	17	4	0.0
	Chester (Sealand)	54	35	33	7	3	0.0
8	Manchester ...	53	36	31	14	1	0.0
10	Spurn Head ...	51	37	*	3	1	0.0
	Catterick ...	52	36	31	11	2	0.0
	Tynemouth ...	(47)	35	32	13	6	0.0
11	Inchkeith ...	44	36	33	2	-	0.0
	Leuchars ...	44	32	24	0.4	-	0.0
12	Renfrew (Abbotsl.)	44	34	27	0.5	0.5	0.2
	Eskdalemuir ...	44	31	28	5	0.3	0.0
	Point of Ayre ...	49	39	*	5	1	0.0
13A	Tiree	44	35	32	0.4	3	0.8
13B	Stornoway ...	42	36	*	0.2	1	1.9
15	Dalwhinnie ...	37	31	24	-	6	1.2
	Aberdeen ...						
	Wick ...	45	34	27	-	-	0.0
16	Lerwick ...	46	37	*	2	1	0.0
17	Blacksod Point	45	36	*	Tr	2	*
18	Malin Head ...	45	37	*	-	2	0.2
	Aldergrove ...	42	32	28	1	0.1	0.0
19	Birr Castle ...	45	32	23	1	0.1	0.0
20	Valentia Obsy. †	48	40	32	13	3	0.0
	Roches Point	49	38	*	8	0.3	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
KEW	18	cr or $r_{...}$	cr or $r_{...}$	crrcbm	51	38	33	3	8	0.0	*	*	6
CROYDON	217	or or m_o	r_o rr RR	cPHRqbc	50	38	34	17	15	0.0	*	*	6
GREENWICH (Royal Observatory)	149	q/r	qr	rrRhbr	50	36	29	4	11	0.0	89	83	5
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
WESTMINSTER (St. James' Park)	27	*	*	*	52	37	31	17		0.0	86	85	*
REGENTS PK. (Botanic Gardens)†	168	*	*	*	51	37	35	15	12	0.0	96	88	*
CAMDEN SQUARE	170	cr	cr	*	51	37	32	3	11	*	*	83	*
KENSINGTON	80	cor	bz x	*	51	38	29	3	12	0.0	At 18h. 88	81	*
HAMPSTEAD OBSERVATORY	450	or	or	orxbc	50	34	27	3	5	0.0	*	89	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington.	Max.	Time.	Min.	Time.
	0.3	18-20h 14th	0.3	3-5h 15th

Kew Observatory.	Max.	Time.	Min.	Time.
	0.1	18-21h 14th	0.1	rest of period

FOREIGN OBSERVATIONS

Stations	18h. G.M.T. 14th December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 15th December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1003.3	SSW	5	r_o	46	1006.3	SSW	4	c	46
BRUSSELS						1002.9	SW	5	o	43
BERLIN	1014.1	S'E	4	b	34	1011.5	SSE	3	z_-	28
ZURICH	1017.5	N	1	z_o	34	1016.8	SE	2	$\equiv$	*
ROME						1018.3	E	2	c	41

Past 24 Hours.	Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
	46	45	-	Tr
		41		1
	41	28	-	*
	36	30	-	-
	*	*		2

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 —Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2¼ ,,
6 Moderate ,,	6¼ ,,
7 Good ,,	12¼ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

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

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

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 16th December, 1936.
No. 27418.

OBSERVATIONS at 13h. G.M.T. 15th December

Dist.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. °F. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1007·7	+6	SWN	3	b.	44	65	6	-	-	-	0	0	-
	Croydon ...	1007·7	+14	WSW	4	b	46	65	6	-	-	-	0	0	-
	S. Farnborough	1007·7	+8	SW	3	b	46	75	8	1	-	-	Tr	Tr	2500
	Boscombe Down	1007·7	+10	SW	4	b.	45	75	8	8	-	-	Tr	Tr	2500
	Calshot (Sthmtn.)	1008·1	+6	SW	4	b	48	75	8	7	-	-	1	1	4000
	Lympne ...	1008·7	+14	WSW	3	b	45	65	8	-	-	1	0	Tr	-
	Manston ...	1007·8	+14	WSW	4	b	45	65	7	-	-	-	0	0	-
2	Shoeburyness ...	1007·6	+16	SW	4	b	45	65	6	-	-	-	0	0	-
	Felixstowe ...														
	Gorleston ..	1006·1	+8	SWN	3	bc	42	75	6	-	7	-	0	2·3	-
	Mildenhall ...	1006·0	+20	SWN	3	z.	44	75	6	-	-	-	0	0	-
	Cranwell ...	1004·4	+18	SWN	4	z.	41	75	6	-	-	-	0	0	-
3	Birmingham ...	1004·8	+6	SW	3	b	43	75	7	5	4	-	Tr	1	1500
	Upper Heyford	1006·7	+12	SW	4	z.	43	75	6	-	-	-	0	0	-
4	Ross-on-Wye	1005·2	+4	SWS	3	bc	45	65	7	1	-	-	4-6	4-6	4000
5	Portland Bill ...	1007·6	+14	W	8	bc	48	75	8	1	-	-	4-6	4-6	2500
	Plymouth ...	1008·0	+6	SW	4	bc	49	65	8	8	-	5	1	2-3	2500
	The Lizard ...	1007·9	-2	SWS	5	c	47	65	8	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	1007·2	-6	SW	5	c	49	65	8	8	-	5	4-6	9	2500
	Guernsey ...	1009·8	+6	WNW	3	bc	49	65	7	8	-	-	4-6	4-6	2500
6	Pembroke ...	1002·7	-4	W	6	q	47	85	7	8	7	-	4-6	9+	2500
7	Holyhead ...	1000·5	-6	WSW	4	bc	45	75	8	2	-	4	4-6	4-6	2500
	Chester (Sealand)	1002·2	+2	SSW	3	bc	48	55	7	2	-	9	2-3	2-3	2500
8	Manchester ...	1002·5	+8	WS	1	b	43	65	7	-	3	-	0	Tr	-
10	Spurn Head ...	1002·2	+26	SW	4	bc	41	85	6	-	1	-	0	2-3	-
	Catterick ...	999·8	+6	WSW	5	bc	43	65	8	8	-	-	4-6	4-6	2500
	Tynemouth ...	999·1	+12	WSW	2	bc	43	75	6	2	-	-	4-6	4-6	2500
11	Inchkeith ...	994·3	+6	SW	5	bc	41	85	7	8	-	-	2-3	2-3	1500
12	Leuchars ...	993·9	+4	SW	4	z.	39	85	6	7	-	-	2-3	2-3	4000
	Renfrew (Abbotsl.)	995·0	-2	SW	4	bc	41	75	8	8	-	-	4-6	4-6	1500
	Eskdalemuir ...	997·4	+8	SWW	4	bhr	36	85	7	8	-	-	4-6	4-6	800
	Point of Ayre...	998·2	+4	W	5	bc	44	75	8	2	-	-	2-3	2-3	1500
13A	Tiree	989·2	-14	SSW	5	bc	43	65	8	8	-	3	4-6	4-6	2500
13B	Stornoway ...	985·6	-14	SSW	5	c/pr	41	85	9	8	7	2	4-6	7-8	1500
15	Dalwhinnie ...	992·5	-2	SW	3	b.	33	95	4	6	-	-	10	10	1500
	Aberdeen ..	992·5	0	SWS	3	bc	39	65	7	1	5	8	Tr	4-6	2500
	Wick ...	988·1	+4	SW	4	bc	39	75	8	8	4	-	4-6	4-6	1500
16	Lerwick ...	984·4	+16	WSW	6	c/phr	40	95	8	8	7	-	4-6	7-8	800
17	Blacksod Point	992·1	-38	S	6	q	46	85	7	9	-	-	10	10	800
18	Malin Head ...	991·5	-16	SSW	5	bc	39	95	7	4	-	9	4-6	4-6	1500
	Aldergrove ...	996·5	-4	S	3	c	34	85	8	5	-	8	9	9+	1500
19	Birr Castle ...	993·0	-16	S	2	c	41	85	8.	5	1	-	2-3	10	2500
20	Valentia Obsy. †	997·0	-46	SSW	6	bc/pr	46	85	8	6	2	-	4-6	4-6	1500
	Roches Point	1000·5	-22	W	8	c	46	95	8	6	1	-	2-3	9+	1500

OBSERVATIONS at 18h. G.M.T. 15th December

Dist.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. °F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1008·4	+4	S'W	3	b	40	85	6	-	-	1	0	Tr	-	1	*
	Croydon ...	1008·4	+4	S	4	z.	39	85	6	-	-	-	0	0	-	1	*
	S. Farnborough	1008·1	+2	S'W	2	b	39	85	6	-	-	5	0	1	-	1	*
	Boscombe Down	1007·8	+2	S	3	q	39	85	7	5	1	6	2·3	2+7	2500	1	*
	Calshot (Sthmtn.)	1008·4	+2	SSW	3	pr/fpr	43	85	8	8	-	-	2·3	2·3	2500	1	§ 2
	Lympne ...	1010·5	+4	SSW	3	b	39	85	8.	6	-	-	Tr	Tr	2500	1	§ 3 *
	Manston ...	1010·0	+6	SSW	3	b	38	85	7	-	-	-	0	0	-	1	*
2	Shoeburyness ...	1009·0	+4	SW	3	b	40	85	5	-	-	-	0	0	-	1	*
	Felixstowe ...																
	Gorleston ..	1007·9	+6	S	3	b	38	85	6	-	-	-	0	0	-	1	2
	Mildenhall ...	1007·0	+2	S'W	3	z.	39	85	6	-	-	5	0	Tr	-	1	*
	Cranwell ...	1004·6	-2	S	4	b	38	95	7	-	-	5	0	1	-	1	*
3	Birmingham ...	1004·2	-4	S	4	c	40	85	7	-	-	6	0	7·8	-	1	*
	Upper Heyford	1007·0	0	S	4	bc	39	85	7	5	-	-	2·3	2·3	2500	1	*
4	Ross-on-Wye	1004·0	-6	SSW	4	c	43	75	6	5	1	-	2·3	10	2500	1	*
5	Portland Bill ...	1007·1	-4	SW	5	c	48	85	8	5	-	-	7·8	7·8	1500	1	4
	Plymouth ...	1006·4	-10	S'W	6	c	49	75	8	5	-	7	4-6	10	1500	1	3
	The Lizard ...	1005·4	-20	S'W	6	c	48	75	8	8	2	-	7·8	10	1500	1	4
	Scilly (St. Mary's)	1003·6	-20	SSW	6	q	49	65	7	2	7	-	4-6	10	2500	1	4
	Guernsey ...	1010·3	0	WSW	4	c	48	75	8	8	-	-	7·8	7·8	2500	1	4
6	Pembroke ...	999·6	-16	SW	8	q	47	85	7	8	-	-	9+	9+	2500	1	4
7	Holyhead ...	995·0	-34	SWS	7	pr.	48	75	7	9	2	-	4-6	10	1500	1	§ 3
	Chester (Sealand)	999·9	-20	SEb	4	c	42	85	7	5	-	-	9	9	4000	1	*
8	Manchester ...	1000·6	-14	SSW	4	c	41	75	7	5	7	-	7·8	10	2500	1	*
10	Spurn Head ...	1002·5	+2	SSW	5	bc	39	95	7	-	1	-	0	2·3	-	0	4
	Catterick ...	998·6	-10	S'E	3	z.	40	85	6	5	7	-	7·8	10	2500	1	*
	Tynemouth ...	997·3	-8	S	4	bc	40	75	6	5	-	-	2·3	2·3	800	1	2
11	Inchkeith ...	992·5	-16	S	4	o	42	85	8	5	-	-	10	10	4000	0	2
12	Leuchars ...	991·8	-16	SSW	5	c	38	85	7	4	7	6	2·3	10	4000	1	*
	Renfrew (Abbotsl.)	991·7	-26	S'E	3	z.	42	75	6	4	-	-	7·8	7·8	2500	1	*
	Eskdalemuir ...	993·7	-22	S	5	c	37	95	7	5	-	-	10	10	800	1	*
	Point of Ayre...	993·3	-34	SW	6	pr.	36	85	8	6	-	-	10	10	1500	1	3
13A	Tiree	989·7	-60	S	8	r.	42	85	7	6	7	-	9	10	1500	1	4
13B	Stornoway ...	979·9	-40	S	8	c/pr	44	85	8	5	2	-	4-6	10	2500	1	5
15	Dalwhinnie ...	988·4	-26	S	6	c	35	85	6	8	6	*	4-6	10	2500	3	*
	Aberdeen ..	990·8	-10	SSW	3	bc	38	75	6	-	4	9	0	2·3	-	*H	1
	Wick ...	986·2	-16	SW	4	bc	39	85	8	5	-	-	2·3	2·3	1500	1	3
16	Lerwick ...	984·8	-2	SW	6	bc	41	85	8	8	-	-	4-6	4-6	1500	1	*
17	Blacksod Point	975·4	-76	S	9	q	45	95	7	9	-	-	10	10	450	2	9
18	Malin Head ...	979·7	-100	S	8	rr	41	95	6	9	-	-	10	10	800	1	2
	Aldergrove ...	987·8	-50	S	5	r.	42	85	7	6	2	-	2·3	10	1500	1	*
19	Birr Castle ...	987·6	-66	S	5	pr	44	95	8	3	2	-	4-6	10	1500	1	*
20	Valentia Obsy. †	985·2	-66	SSW	8	r.	48	95	5	6	-	-	10	10	800	1	6
	Roches Point	991·6	-54	SSW	8	rr	48	95	7	6	-	-	10	10	800	1	6

PAST 24 HOURS.

Dist.	Stations. (For heights see p. 4.)	Weather. 7h.—13h. 15th (37)	Weather. 13h.—18h. 15th (38)	Weather. 18h. 15th to 1h. 16th (39)	Weather. 1h.—7h. 16th (40)
1	London (Kew)	bm.z.	bz.	bz.cz.	cd.d.
	Croydon ...	bm.z.	bz.w.	cz.pr.	cr.r.
	S. Farnborough	b.	b'bm.	bm.crm	cm.r.rm
	Boscombe Down	b	bbc.	bcc, ir.q	cir.qrrq
	Calshot (Sthmtn.)	bm.b.	bbcprq	becr.	crrr.
	Lympne ...	b.	bbm.	bcc	or.r.r
	Manston ...	b.	b.	co	cr.r.
2	Shoeburyness ...	bbz.	b'bm.	bm.cir.	ir.c
	Felixstowe ...				
	Gorleston ..	bc.	bcbz.	bccq	cor.q
	Mildenhall ...	bbz.	bz.	bz.cz.	cz.r.
	Cranwell ...	bm.z.	bz.b.	bbcc	cm.r.r.
3	Birmingham ...	b.	bbc.	c	cor
	Upper Heyford	bxmz.	bz.bc.	bcm.qc	qr.r.ir
4	Ross-on-Wye	bbc.	bcc.	ccqrq	irq.d
5	Portland Bill ...	bcbc.	bcc	c	orr
	Plymouth ...	bbcprb	bccr.c	corrr	or.r.Rbc
	The Lizard ...	bcc.	c.	crrrq	rrprr
	Scilly (St. Mary's)	bcc.	cq.	rr ddq	dd cbc
	Guernsey ...	cpr.	bcpr.	cq.or	orr
6	Pembroke ...	bccqpr	cqwPRc	cq.m.r.r	cqir bc
7	Holyhead ...	bbc.	cprq.	prir	Rc
	Chester (Sealand)	bm.	bcyprm.c	cpr	cprbc
8	Manchester ...	phrpr.m.b	bir.c.	c	cr.r.b
10	Spurn Head ...	bc.	bc.	bccq	qprqr
	Catterick ...	bbc.	bcm.cm	em.r.c	cr.r.bc
	Tynemouth ...	bc.	bc.	obcqp.	cp.bcq
11	Inchkeith ...	bc.	bcco.	oirbcq	bcq
12	Leuchars ...	bx,m.bc.	bccm.	cqr.prs	cpr bc
	Renfrew (Abbotsl.)	prh.bc.	bccpr.	crrcr	bccpr
	Eskdalemuir ...	ps.bc.	prbcc.	rr RR	RRc
	Point of Ayre...	phr bc.	bcpr.	orr	ct
13A	Tiree	bhrqbc	bcqir		
13B	Stornoway ...	bccplpr	cpr.c.	crrl	crr
15	Dalwhinnie ...	cb.	c.	c	c
	Aberdeen ..	bxz.	bbcz.	beer	cRb
	Wick ...	bc.	bc.	cprc	bcem
16	Lerwick ...	cphr.	cphrbc	bcerr	eirm.
17	Blacksod Point	prcq.	iRq	iRq	RRcq
18	Malin Head ...	bc.	crr.	cphrq	cprc
	Aldergrove ...	bcxbbcq	ccir.	cr.r.r.c	eir.b
19	Birr Castle ...	bcprc.	cpr.	cpr	cprb
20	Valentia Obsy. †	bccprc	irr.rr	rrirbclpr	cprqc
	Roches Point	cprc.	ir.orr	bc	orrbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo-stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

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

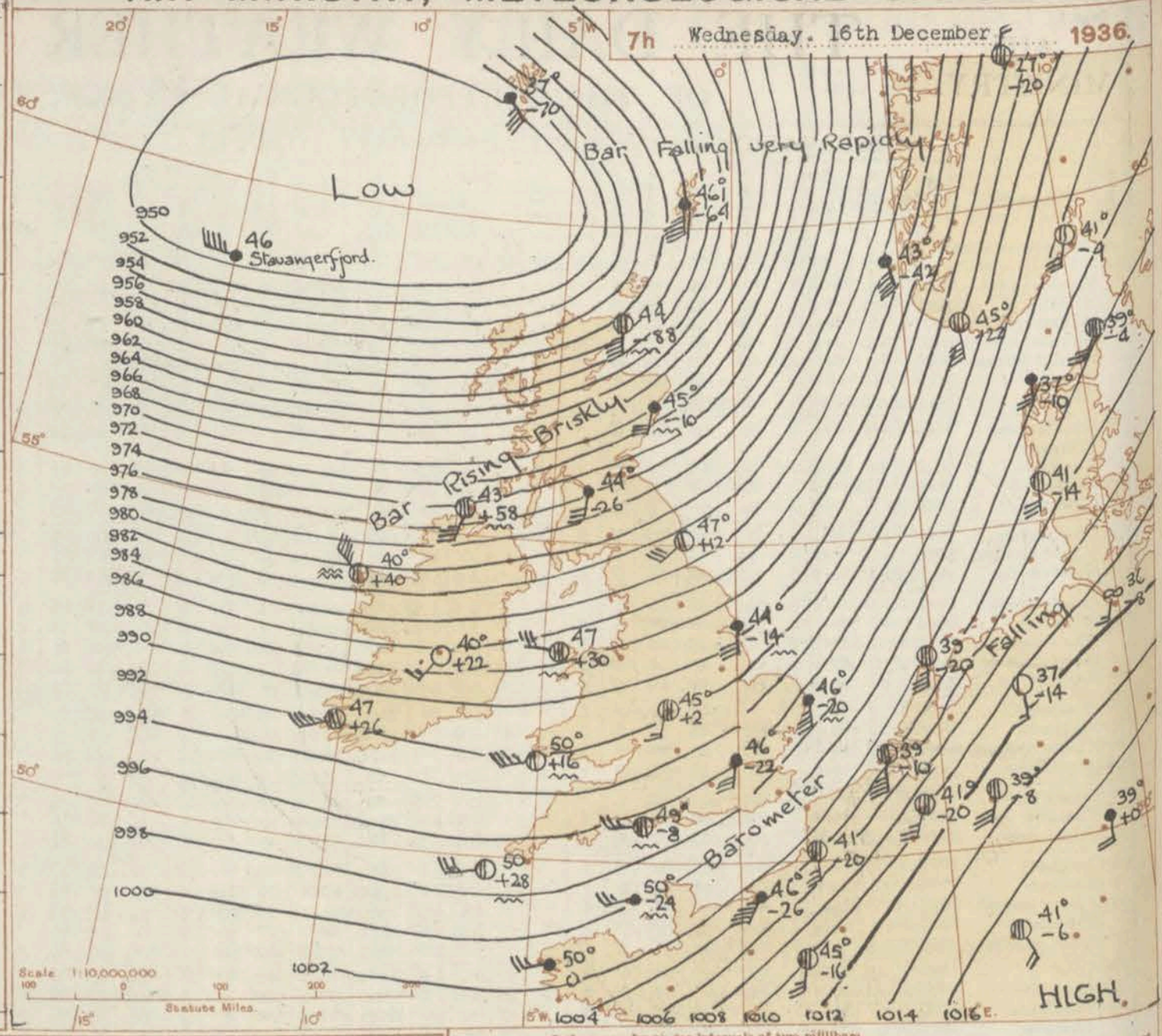
† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 15th December 1936.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F) Min. 9h. 14th to 9h. 15th.	Temperature (F) Max. 9h.—17h. 15th.	Rainfall (mm) Night. 17h. 14th to 9h. 15th.	Rainfall (mm) Day. 9h.—17h. 15th.	Sunshine (hrs) Sunrise to Sunset. 15th.
1	Tunbridge W.	b	b	34	45	14	-	6·7.
	Bournemouth	b	b	36	48	6	-	4·0.
	Ventnor ...	rb	bbc	39	49	6	-	6·5.
	Southsea ...	b	b	39	48	8	-	6·6.
	Bognor Regis	b	b	37	49	8	-	6·6.
	Littlehampton	b	bbc	36	48	4	-	6·6.
	Worthing ...	b	b	32	49	5	-	6·8.
	Brighton ...	rrcb	bbc	39	47	10	0·1	6·1
	Eastbourne†	b	b	39	49	3	-	6·3.
	Hastings† ...	b	b	37	51	4	-	6·9.
	Folkestone ...	b	b	37	46	6	-	6·5.
	Dover... ...	b	b	39	47	4	-	7·1.
	Deal	b	b	39	45	7	-	6·5.
	Ramsgate ...	b	b	39	47	3	-	6·6.
	Margate ...	bc	bc	39	47	3	-	6·2.
2	Southend ...	b	b	37	45	3	-	6·4.
	Maldon ...	mb	b	36	44	5	-	5·4.
	Clacton-on-Sea	bc	bcb	36	43	1	-	5·2.
	Dovercourt ...	bm	bm	37	43	3	-	6·3.
	Lowestoft ...	b	b	37	43	5	-	6·4.
	Skegness ...	b	b	35	52 (42)	4	-	6·4.
	Mablethorpe	mb	bbc	35	40	2	-	5·6.
	Cleethorpes ...	bc	bc	35	42	2	-	5·3
3	Leamington S.	b	b	34	45	5	-	5·5.
4	Cheltenham†	xb	bbcb	35	46	7	-	5·8.
5	Bath	bbcp	bbcc	36	46	2	0·3	6·0.
	Weymouth ...	b	b	39	51	1	-	5·9.
	Jersey ...	pcbc	bcpbc	45	50	1	1	4·3.
	Torquay ...	wb	bcc	36	50	2	-	5·2.
	Penzance ...	bcpbc	bccq	40	50	4	Trace	3·4.
	St. Ives ...	c	c	43	49	2	-	2·9.
	Bude	bcpbc	bcc	42	49	3	0·2	3·6.
	Ilfracombe ...	rcbc	cbc	42	47	14	-	3·1
6	Aberystwyth	prbbc	prc	39	48	2	1	2·4.
7	Llandudno ...	b	crcpo	38	47	10	0·5	4·3.
	Colwyn Bay...	bcbbc	bcpcp	37	46	5	1	4·1.
	Rhyl	bcpr	cdrr	38	45	5	2	4·2.
8	Wallasey ...	bc	bccp	38	52	3	Trace	6·0.
	Southport‖ ...	bc	bccp	38	45	5	0·4	4·3.
	Blackpool ...	cbc	c	38	45	4	-	3·9.
	Morecambe ...	bcbbc	bccq	36	44	7	0·3	5·1
9	Ilkley	bc	bc	35	42	1	-	4·2.
	Harrogate ...	bp	b	35	41	0·2	Trace	3·0.
10	Berwick-on-T.	b	bbc	35	40	-	-	5·4.
11	Dunbar ...	bc	bc	35	42	-	-	5·2.
12	Troon... ...	ccbcc	cbcc	38	44	2	-	0·7.
	Douglas ...	bccb	cbq	36	46	3	-	2·5.

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 16th December, 1936.
1 S.E. England 2 E. England 3 E. Midlands ... 4 W. Midlands ...	Fresh or strong westerly winds, moderating; mainly fair; average temperature.
5 S.W. England 6 South Wales ...	Fresh or strong westerly winds; local showers, bright periods; average temperature.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. / B.N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland 18 N. E. Ireland	Southwest to west gale, moderating later; occasional rain or showers, bright periods; average temperature.
19 S. E. Ireland 20 S. W. Ireland	As 5 - 6.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:— Clear sky. Sky less than 1/8 clouded. Sky 1/8 to 3/8 clouded. Hail. Sky 3/8 to 5/8 clouded. Overcast sky. Rain falling. Snow. Sleet. Fog. Mist. Thunder. Thunderstorm. Slight haze.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

An intense depression near the Faeroes is moving northeast. There will be occasional rain or showers in the North and Northwest with fair periods. Bright periods with some local showers are probable elsewhere. Temperatures will be about average.

FURTHER OUTLOOK.

Unsettled.

Times of issue of Gale Warnings.

South Cone hoisted 1330 15/12 in dist. 5,6,7,8,12,13, 15,16,17,18,19 & 20.
South Cone hoisted 1540 15/12 in dist. 1,2,10,11.

Forecasts issued at 1025 G.M.T.

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

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

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

Morning of

WEDNESDAY,
16TH DECEMBER.

1936.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = 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

BRITISH SECTION

OF THE METEOROLOGICAL OFFICE, LONDON.

Wednesday, 16th December, 1936.
No. 27418.

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

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	1002·7	-34	SSW	5	c	46	75	8	5	7	-	7·8	10	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	348	1006·9	-26	SSW	6	c	44	85	8	-	7	-	0	10	-
	Manston ...	142	1006.1	-22	SSW	6	c	45	75	7	-	2	-	0	10	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1003·4	-26	S'E	6	c	40	95	6	-	2	-	0	10	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	999.4	-40	SW	7	c	49	85	7	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	996·8	-28	SW	8	$r_o r_o$	49	95	5	5	-	-	10	10	1500
	Scilly (St.Mary's)	163	993.0	-34	SW'S	7	dd	49	95	5	5	-	-	10	10	1500
	Guernsey ..	175	1005·1	-40	SW	6	rr	49	85	7	5	-	-	10	10	1500
6	Pembroke ...	142	987·8	-32	SW'S	9	rr	46	95	6	5	-	-	10	10	1500
7	Holyhead ...	26	983·2	-42	SW'S	7	iR	49	95	5	6	2	-	4·6	10	1500
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	992·0	-66	S	9	q	43	85	7	5	2	-	4·6	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	984·8	-70	S	6	pr.	42	85	6	6	-	-	4·6	4·6	800
11	Inchkeith ...	190	977·1	-60	S	6	bc	44	85	8	5	-	-	2·3	2·3	4000
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	979.3	-44	SW	9	rr	47	95	8	6	-	-	10	10	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	956·5	-130	S	11	rr	46	95	6	5	-	-	10	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	969·5	-90	S	10	c/pr	44	95	7	5	6	-	4·6	7·8	1500
16	Lerwick ...	156	974·9	-70	S	8	rr	44	95	7	9	2	-	9	10	800
17	Blacksod Point	18	974.2	4	S	9	q	44	85	7	5	-	-	10	10	450
18	Malin Head ...	52	966·7	-26	S	7	bc	46	95	7	5	-	-	4·6	4·6	800
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	984.1	+10	W'S	6	PR	48	95	7	9	-	-	7·8	7·8	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
996.0	-18	S'W	5	$d_o d_o$	47	85	7	5	-	-	10	10	800	1	*
996·3	-22	S'W	6	$r_o r_o$	46	95	5	6	-	-	10	10	1500	1	*
995·7	-20	SSW	5	$r_o r_o$	46	95	6	-	2	-	10	10	450	1	*
994·6	-18	SSW	6	rr	47	95	5	6	2	-	10	10	450	2	*
996·7	-24	S'W	8	ir_o	48	95	7	5	2	-	7·8	10	1500	1	4
1000·5	-30	S'W	7	$r_o r_o$	44	95	5	6	2	-	9	10	1500	1	6
999.9	-30	S'W	7	rr	44	85	6	6	2	-	7·8	10	1500	1	*
998.4	-34	S'W	7	ir_o	46	85	7	6	2	-	9	10	800	1	*
997.0	-20	S	7	$r_o r_o$	46	75	6	6	-	-	10	10	1500	1	5
994.6	-22	S'W	7	z_o	47	85	6	6	-	-	10	10	800	1	*
991·5	-18	S'W	6	$r_o r_o$	46	95	6	6	2	-	10	10	1500	1	*
991·8	+2	SSW	3	c	45	95	8	-	7	-	0	7·8	-	1	*
993.6	+2	SSW	4	$r_o r_o$	47	95	7	6	2	-	9	10	800	1	*
992.9	+14	SW	3	id_o	47	85	7	6	-	-	9	9	2500	1	*
995.6	-8	W	5	c/r	49	95	7	4	-	-	10	10	1500	2	5
996·2	+30	WSW	4	bc	50	95	7	5	-	-	2·3	2·3	1500	1	3
997.0	+30	WSW	6	be	50	85	8	8	-	-	4·6	4·6	2500	1	4
996·9	+28	WS	6	bc	50	85	7	5	-	-	4.6	4.6	2500	1	4
1000·7	-24	WSW	5	rr	50	95	4	5	-	-	10	10	1500	2	4
990·8	+16	W'S	7	q	50	95	7	5	-	-	4·6	4·6	2500	1	5
987·5	+30	W'S	6	c	47	65	7	6	1	-	4·6	9+	2500	1	4
988·8	+20	SW'S	2	bc	48	65	7	5	-	-	4·6	4·6	4000	1	*
988.7	+18	W'S	4	bc	46	75	7	5	3	-	1	2·3	2500	1	*
989.4	-14	S'W	6	rr	44	95	6	6	-	-	10	10	1500	1	5
985·0	+8	SW	5	bc	46	75	7	1	6	-	1	2·3	2500	1	*
982.4	+12	SW	6	bc	47	75	7	2	-	-	4·6	4·6	1500	1	3
975·1	-12	S	8	bc	45	85	8	5	-	-	4·6	4·6	4000	0	5
974.3	+10	SSW	7	q	45	65	7	8	-	-	4·6	4·6	1500	1	*
976.0	+26	SSW	6	pr.	44	75	7	8	-	-	9+	9+	1500	1	*
980.6	+18	SW	6	c	41	75	7	5	-	-	9+	9+	1500	1	*
983.4	+22	W'S	7	bc	45	75	8	3	-	-	4·6	4·6	2500	1	5
967.1	+80	NSW	9	c	46	95	6	6	-	-	10	10	1500	1	*
951·3	0	SW	11	rr	46	95	6	5	-	-	10	10	1500	1	6
969·3	+40	SW	5	iR	36	95	6	6	-	-	10	10	1500	1	*
969.7	-10	SSW	6	pr.	45	65	7	9	3	-	Tr	Tr	1500	1	4
957·8	-52	S	9	c	44	85	6	5	-	-	7·8	7·8	800	1	5
959.7	-64	S	9	ir	46	95	6	9	2	-	9	10	800	1	*
982.5	+40	NW	9	q	40	85	8	9	-	-	4·6	4·6	1500	1	7
974.6	+58	SSW	7	c/pr	43	95	7	8	-	-	9	9	1500	1	4
980.0	+34	SW	6	b	40	75	8	-	4	-	0	Tr	-	1	*
986·9	+22	SW	3	b	40	75	8	-	-	-	0	0	-	1	*
992.3	+26	W'S	7	c	47	65	8	8	-	-	7·8	7·8	1500	1	5
992.5	+26	W'N	4	bc	53	95	8	3	-	-	2·3	2·3	2500	1	5

PAST 24 HOURS.

State of Ground. 0-9 (29)	Sea. 0-9 (30)	Temperature. Max. Day 7h-18h °F. (31)	Temp. Min. Night 18h-7h °F. (32)	Temp. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 15th. Hrs. (36)
1	*	44	40	34	-	Tr	6·2
1	*	46	39	34	-	2	6·7
1	*	46	39	32	-	3	6·8
2	*	46	36	33	-	5	5·9
1	4	45	43	40	0·1	5	6·8
1	*	45	39	33	-	4	6·9
1	*	46	36	32	-	2	6·8
1	*	45	39	33	-	0·1	6·5
1	5	43	37	33	-	0·1	0·7
1	*	44	38	35	-	Tr	6·4
1	*	42	28	35	-	0·6	5·4
1	*	42	39	38	-	3	5·7
1	*	44	38	33	-	3	.*
1	*	45	42	39	-	3	5·6
2	5	45	47	*	-	7	*
1	3	49	47	45	0·1	6	4·2
1	4	49	47	*	-	4	*
1	4	49	47	*	-	3	3·7
2	4	50	47	42	0·1	8	3·4
1	5	48	44	*	2.	3	2·0
1	4	48	45	43	0·5	11	3·8
1	*	47	42	37	0·2	0·6	4·8
1	*	44	41	38	1	0·6	4·3
1	5	47	39	*	-	1	4·6
1	*	44	39	37	-	1	5·1
1	3	43	39	34	-	Tr	4·4
1	5	42	39	31	-	1	5·2
1	*	39	37	35	-	3	4·9
1	*	42	38	38	0·6	8	2·0
1	*	38	36	36	0·4	18	2·9
1	5	46	44	*	0·2	7	4·6
1	9	45	43	42	1	5	1·9
1	6	44	41	*	2	6	1·2
1	*	35	33	32	2	23	0·1
1	4	40	37	34	-	4	3·0
1	5	40	39	*	-	Tr	*
1	*	45	34	*	2.	2	0·1
1	7	47	38	*	17	12	*
1	4	43	40	*	1.	6	2·1
1	*	42	39	36	0·1	1	2·5
1	*	45	40	35	1	5	1·2
1	5	48	44	40	10	8	0·0
1	5	48	44	*	6	5	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. Yesterday. hrs.	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
KEW	18	$bm_o 2_o$	bz_o	$bz_o cd_o$	44	40	34	-	Tr	6·2	.	.	5
CROYDON	217	$bm_o 2_o$	$bz_o m_o$	$c2_o cr_o$	46	39	34	-	2	6·7	.	.	5
GREENWICH (Royal Observatory)	149	bm_o	bm_o	$bcd_o r_o$	44	42	30	-	0·3	5·7	72	95	6
CITY (Bunhill Row)	—	.	.	.	.	.	.	.	.	3.2	.	.	.
WESTMINSTER (St. James' Park)	27	.	.	.	49	38	36	Tr		5·6	67	93	.
REGENTS PK (Botanic Gardens)‡	168	.	.	.	49	38	35	-	0·2	5·2	87	96	.
CAMDEN SQUARE	110	b	b	.	48	38	35	-	0·3	.	.	94	.
KENSINGTON	80	bz	cod	.	46	42	34	Tr	0·1	5·8	At 18h. 68	95	.
HAMPSTEAD OBSERVATORY	440	bc	bc	ar	44	38	29	-	0·6	5·5	.	95	.

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0.8	17.20h 15th	0.3	2.45h 16th

Kew Observatory. Max.	Time.	Min.	Time.
	Defective Record		

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 15th December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 16th December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1014·7	S	2	m	41	1011·3	SSW	5	o	45
BRUSSELS						1011·8	SSW	5	c	41
BERLIN	1012·9	SW'S	3	rr	37	1016·7	SSW	2	z_o	34
ZÜRICH	1020·3	SE	1							
ROME	1020·1	SE	2	bc	52	1023.4	ENE	2	f	43

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
46	37	Tr	-
			-
37	30	0·8	1
*	*	10	2

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 17th December, 1936.
No. 27419

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

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)	999.1	+14	WSW	4	bc/pr	49	65	6	2	4	1	Tr	2-3	2500
	Croydon ...	998.8	+18	WSW	4	bc/pr	50	75	6	8	4	3	1	2-3	4000
	S. Farnborough	999.4	+18	W'S	4	bc	51	75	8	1	-	1	2-3	2-3	2500
	Boscombe Down	999.6	+22	WSW	4	bc	49	75	7	7	4	-	2-3	2-3	2500
	Calshot (Sthmtn.)	1000.2	+18	WSW	4	bc	52	65	8	1	3	-	2-3	2-3	4000
	Lympne ...	1000.0	+6	SW	3	c/r	46	95	5	6	7	-	9+	10	220
	Manston ...	999.0	+6	SW'S	4	c/r	47	96	7	6	2	-	4-6	9+	1500
2	Shoeburyness ...	998.4	+14	SW'S	3	c	49	85	6	9	7	-	4-6	7-8	1500
	Felixstowe ...														
	Gorleston ...	999.1	+6	SW'S	3	c	48	95	6	5	-	-	9+	9+	2500
	Mildenhall ...	999.6	+14	SW'W	4	c	49	85	7	5	7	-	4-6	9	5700
	Cranwell ...	999.8	+18	WSW	4	c	46	65	7	5	1	8	1	7-8	4000
3	Birmingham ...	999.4	+20	WSW	4	bc	46	65	6	7	7	1	2-3	4-6	2500
	Upper Heyford	998.0	+22	W'S	4	z_o	47	75	6	1	7	2	Tr	4-6	4000
4	Ross-on-Wye	997.6	+16	WSW	4	bc	49	55	8	7	6	-	4-6	4-6	4000
5	Portland Bill ...	1000.2	+24	W	5	bc	51	75	7	4	4	-	2-3	4-6	2500
	Plymouth ...	1001.9	+26	WSW	5	bc	51	75	8	7	-	-	2-3	2-3	4000
	The Lizard ...	1002.4	+20	SW'W	6	bc	51	75	8	8	6	-	4-6	4-6	2500
	Scilly (St.Mary's)	1002.6	+20	W'S	6	q	50	75	7	8	7	-	4-6	7-8	1600
	Guernsey ...	1003.8	+24	NW	3	c/pr	50	85	7	8	-	-	7-8	7-8	2500
6	Pembroke ...	996.9	+16	W'N	8	q	49	75	7	7	8	-	4-6	4-6	4000
7	Holyhead ...	997.9	+18	WSW	6	bc	46	65	8	1	-	9	2-3	2-3	2500
	Chester(Sealand)	998.3	+14	SW	4	bc	48	55	7	5	-	-	4-6	4-6	5700
8	Manchester ...	998.2	+18	W'S	5	c	47	65	7	7	8	-	4-6	7-8	4000
10	Spurn Head ...	997.7	+10	SW'W	4	c	46	85	6	5	7	1	4-6	9	2500
	Catterick ...	999.0	+22	WSW	4	pr$_o$	45	65	7	8	-	3	4-6	4-6	2500
	Tynemouth ...	996.6	+12	SW	5	bc	46	65	6	7	-	-	2-3	2-3	1500
11	Inchkeith ...	998.4	+16	SW	8	c	43	85	8	8	4	-	4-6	7-8	2500
	Leuchars ...	998.1	+22	SW	6	pr$_o$	40	85	7	8	9	3	7-8	7-8	1500
12	Renfrew (Abbotsl.)	998.8	+20	SW	6	bc	42	75	8	8	-	3	4-6	4-6	1500
	Eskdalemuir ...	995.4	+16	SW	6	pr$_o$	39	75	8	5	-	-	9	9	1500
	Point of Ayre...	998.3	+8	W	7	bc	44	75	8	8	-	-	4-6	4-6	2500
13A	Tiree	976.4	+34	W'S	7	c	44	75	7	9	-	3	7-8	9	1500
13B	Stornoway ...	996.1	+54	SW	8	c/phr	40	75	8	8	7	-	7-8	9	1500
15	Dalwhinnie ...	976.8	+30	SW	6	sh	35	85	6	6	-	-	10	10	1500
	Aberdeen ...	976.7	+20	SW'S	5	pr$_o$	41	75	8	6	9	3	1	2-3	1500
	Wick ...	969.1	+72	SW	6	c/pr	42	85	7	8	4	-	7-8	9	1500
16	Lerwick ...	960.6	+24	SW	9	rr	44	95	6	6	-	-	10	10	800
17	Blacksod Point	998.8	+22	W	9	Q	43	85	8	9	-	-	4-6	4-6	1500
18	Malin Head ...	981.6	+26	SSW	7	c/pr	44	95	6	9	-	-	9	9	2500
	Aldergrove ...	987.0	+22	SW	6	pr$_o$	40	85	8	9	6	-	7-8	9	1500
19	Birr Castle ...	992.3	+18	S	3	c/pr	42	95	8	8	7	-	4-6	9	1500
20	Valentia Obsy.†	996.0	+26	W'S	6	c/pr	47	65	7	9	-	-	9	9	1500
	Roches Point	997.8	+28	W	4	bc	47	95	8	8	-	-	2-3	2-3	2500

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

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)
1006.0	+34	SW	3	z_o	44	85	6	-	-	-	0	0	-	1	*
1004.7	+30	SW'W	4	b	44	85	6	4	-	-	1	1	4000	1	*
1005.9	+30	WSW	4	b/pr	43	85	7	4	-	-	Tr	Tr	4000	1	*
1006.1	+38	SW	3	q	42	85	7	5	-	-	4-6	4-6	1500	1	*
1006.8	+46	SW'W	3	b	45	85	8	8	-	-	1	1	4000	1	2
1006.4	+42	W'S	3	b	42	85	6	5	-	-	1	1	4000	1	§ 3
1004.8	+42	SW'W	3	b/r	42	85	8	-	-	-	0	0	-	1	*
1004.6	+40	WSW	3	bc	45	75	6	-	7	-	0	2-3	-	1	*
1001.7	+30	SW'S	4	bc	44	75	6	5	-	-	2-3	2-3	2500	1	3
1002.2	+34	SW'W	4	z_o	42	75	6	-	-	-	0	0	-	1	*
1000.4	+32	SW	4	b	41	75	7	-	-	-	0	0	-	1	*
1001.6	+30	WSW	4	bc	43	65	8	5	-	-	4-6	4-6	1500	1	*
1003.8	+34	SW	3	b	40	85	7	-	-	-	0	0	-	1	*
1003.1	+26	WSW	4	b	44	75	7	5	-	-	1	1	2500	1	*
1005.3	+30	W	5	bc	49	75	8	4	-	-	2-3	2-3	2500	2	4
1007.5	+28	SW'S	4	b	47	85	7	5	-	-	1	1	4000	1	3
1007.9	+20	SW'W	6	bc	49	85	8	8	-	-	4-6	4-6	2500	1	4
1007.3	+36	WSW	5	bc/pr	48	85	8	2	-	-	2-3	2-3	2500	1	4
1005.7	+38	NW	3	bc	49	85	7	8	-	-	4-6	4-6	2500	2	3
1001.3	+20	W	7	q	48	75	7	8	2	-	2-3	4-6	4000	1	5
997.9	+34	W	6	b	45	65	8	1	-	-	1	1	2500	1	3
998.5	+30	SW	4	bc	44	65	7	5	-	-	2-3	2-3	4000	1	*
997.5	+22	SW'W	4	bc/pr	41	75	7	5	-	-	2-3	2-3	4000	1	*
997.3	+36	SW	4	b	42	85	8	-	-	-	0	0	-	0	3
993.8	+16	WSW	5	pr$_o$	42	75	7	8	-	-	2-3	2-3	1500	1	*
991.1	+40	SW	4	bc/pr	41	75	6	2	-	-	2-3	2-3	1500	1	2
984.9	+10	SW	8	c	40	85	8	5	-	-	7-8	7-8	1500	1	5
983.7	+14	SW	6	q	38	85	7	4	-	-	2-3	2-3	1500	1	*
986.9	+34	W'S	5	bc/ps	39	85	8	3	-	-	4-6	4-6	1500	1	*
989.7	+32	SW	6	c	38	75	8	5	-	-	7-8	7-8	1500	1	*
994.0	+34	W'N	6	bc	43	75	8	3	-	-	2-3	2-3	2500	1	3
982.5	+44	W	9	bc	42	65	7	3	-	3	2-3	4-6	1500	1	6
977.2	+40	SW	7	c/phr	39	65	8	8	7	3	4-6	7-8	1500	1	5
981.4	+24	SW	6	c	38	95	6	6	6	-	7-8	9	1500	6	*
982.1	+30	SW'S	4	b	37	85	7	1	-	3	Tr	1	1500	1	3
973.5	+24	SW	6	c	39	85	8	8	1	-	4-6	7-8	1500	1	3
966.5	+32	SW	9	c	44	85	7	8	8	-	4-6	7-8	800	1	*
994.8	+28	W	7	q	46	65	8	9	-	-	4-6	4-6	1500	1	5
987.5	+68	SSW	7	bc/ph	44	95	7	9	-	-	4-6	4-6	2500	1	5
992.8	+44	SW	5	q	37	85	8	9	-	-	4-6	4-6	1500	1	*
998.5	*	WSW	1	bc	40	85	8	3	-	-	2-3	2-3	1500	1	*
1002.6	+28	WSW	4	b/pr	45	75	8	2	-	-	1	1	1500	1	6
1003.7	+30	W	4	bc	44	95	8	3	-	-	2-3	2-3	1500	1	5

PAST 24 HOURS.

Weather. 7h.–13h. 16th (37)	Weather. 13h.–18h. 16th (38)	Weather. 18h. 16th to 1h. 17th (39)	Weather. 1h.–7h. 17th (40)
rrcpr	cprcbm$_o$	b	cm$_o$
c$_o$rpr$_o$q	cprqbc.	bbccb	bc$_1$c
rr$_o$cpr$_o$b	cqPRb.	b	b$_1$c
rr$_o$cprb	bcqbc.	bcb	bbc
cr$_o$rm$_o$bc	bbcpr$_o$b	bbc	bcpr$_o$bc
mr$_o$m$_o$F	bbcpr	b	bwbcc
arrr$_o$r$_o$	or$_o$r$_o$cb.	b	b'c
r$_o$r$_o$cm$_o$	bcm$_o$	bcbm$_o$	bccpc
orirqc	cbc	bbcq	bcc
cm$_o$r$_o$c	c$_1$bz$_o$	bz$_o$	bz$_o$bcz$_o$
cr$_o$rbc	bcb	b	b
cbc	bcb.	bcpr$_o$	bcc
r$_o$qbcp$_o$	bcpr$_o$b.	bbcpr$_o$	bcpr$_o$c
bccbc	bccbcb.	p$_o$b	bcc
cbc	bcpr.	c	c
bccprbc	qcprhbcb	b	bbcor$_o$r$_o$
bcprq	bcpr.	bccbc	bccrr
bcp$_o$cq	cbcpq.	p$_o$bcb	oid$_o$m$_o$
orrpr	bccpr	bccpr$_o$	cor
cPRbcq	bccqprbc	bcq	cqrrm$_o$
c$_1$bc	bcpr$_o$	b$_1$c	ir$_o$c
cz$_o$bcy	bcpr$_o$y	bbcr$_o$	bcc
bcz$_o$bc	pr$_o$qz$_o$	ddcpr$_o$b	bm$_o$c
prc	cbcb.	bbcc	c
cbcpr$_o$	cpr$_o$bc.	pr$_o$cph	bcc
bcq	bcp$_o$q.	bc	bc
bccprq	cPRc.	cprbc	bc
bcqpr$_o$	cqprpr	bcqpr	bcb
PRhprsPR	PRHdrPRq	bcPRpr	bcc
cpr$_o$	cpr$_o$c	cbbc	bc
cbc	cbcl.	bclo	co
irphq	PHRHq	bcprhl	bcc
r$_o$q$_o$phr	prphq	bcprphq	bccphr
cisshr	csrs.	*	cis
bpr$_o$	bbcb.	bcprb	b
cprqq	c.	cprq	bc
cirrrrr	orcir	cirrrrr	cprq
PRHq	PRcq	PHRq	Rq
cphrc	cqphl.	cpr	cdr
bccpr$_o$	cprbqcpr	bccprbc	bccir$_o$
bbcpr	cprbc.	bc	bccpr
phrqprqc	cpr$_o$bcb	bccpr$_o$	irrrrr
bc	cprbc	bc	corr

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus
R, heavy rain. r$_o$, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽, lunar halo. ⸗gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; + has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo- stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

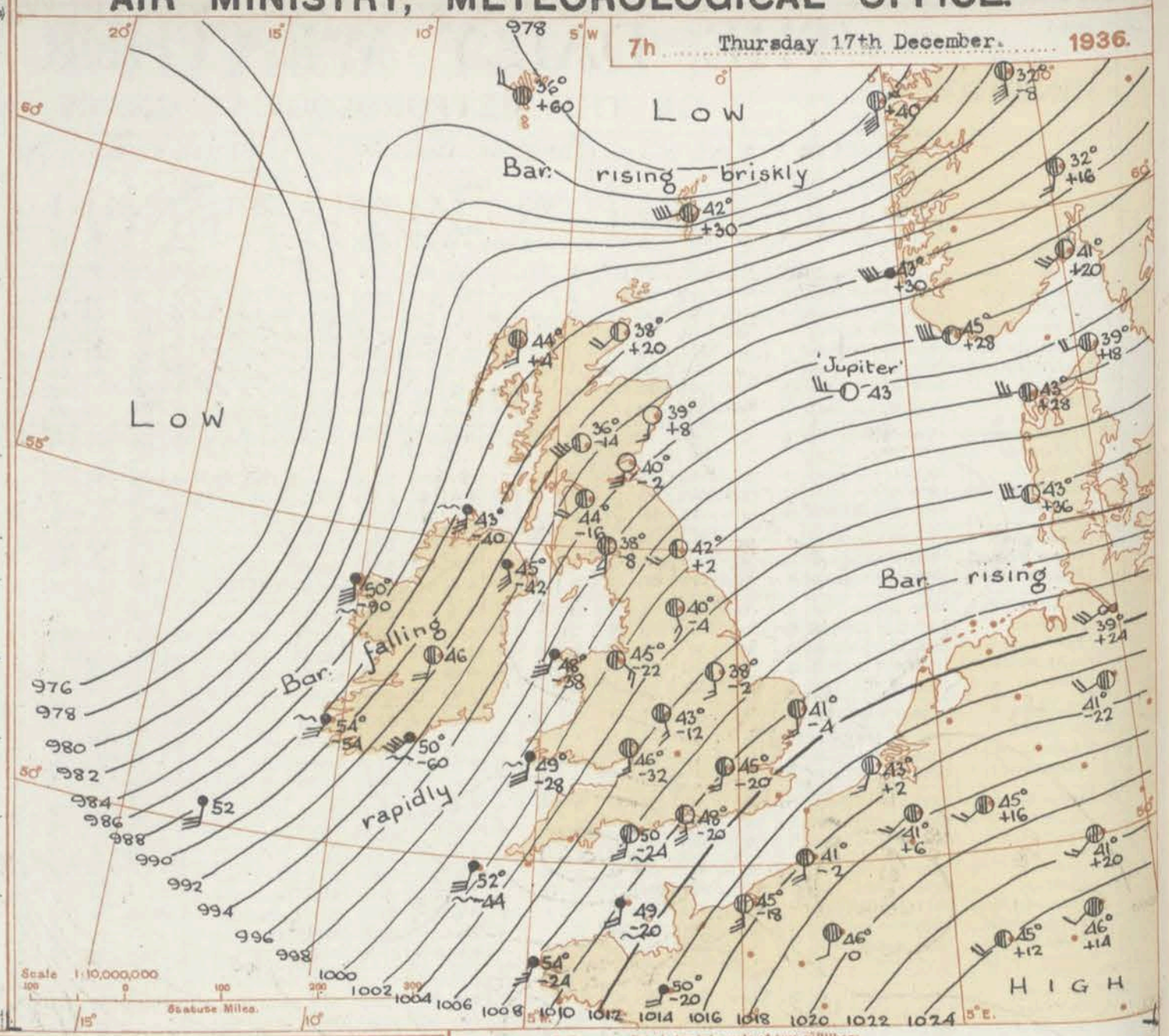
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 16th December 1936.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F) Min. 9h. 15th to 9h. 16th	Temperature (F) Max. 9h.—17h. 16th	Rainfall (mm) Night. 17h. 15th to 9h. 16th	Rainfall (mm) Day. 9h.—17h. 16th	Sunshine (hrs) Sunrise to Sunset. 16th
1	Tunbridge W.	oro	bccpb	36	49	14	2	1·9
	Bournemouth	obc	bcc	38	51	10	1	4·4
	Ventnor ...	rbcb	bopo	42	51	6	1	3·0
	Southsea ...	oc	bccpb	41	51	7	Trace	3·0
	Bognor Regis	oirbc	berbc	37	51	5	1	2·7
	Littlehampton	orcbc	bcpbc	37	51	4	0·6	2·9
	Worthing ...	or$_o$	bcb	40	50	7	1	2·4
	Brighton ...	rdd	cbb	45	50	3	6	1·8
	Eastbourne†	rroc	cb	46	50	9	4	1·9
	Hastings† ...	orroc	bcbcb	45	50	7	5	1·5
	Folkestone ...	orro	cberc	38	49	8	3	0·7
	Dover... ...	roirc	cbbcp	42	49	10	1	1·8
	Deal	Rro	ocbc	39	48	9	6	1·1
	Ramsgate ...	r	rcgc	39	49	3	4	0·7
	Margate ...	cr	cpbc	40	50	2	3	0·8
2	Southend ...	or$_o$c	cpbcb	38	48	Trace	0·5	1·9
	Maldon ...	oro	cb	35	50	Trace	0·3	1·3
	Clacton-on-Sea	odrc	cbc	36	48	-	1	1·0
	Dovercourt ...	roc	bcpbc	38	48	Trace	1	0·8
	Lowestoft ...	cdr	cbcb	37	49	0·4	0·5	1·2
	Skegness ...	ocbc	cbcb	35	48	0·5	-	1·1
	Mablethorpe	ocbcc	cbc	36	49	3	-	1·1
	Cleethorpes ...	obc	obc	35	48	2	-	1·4
3	Leamington S.	bc	bc	39	44	2	-	3·0
4	Cheltenham†	bccpc	bccbc	40	48	3	Trace	1·0
5	Bath	cpbcb	cpbcb	36	51	4	1	2·8
	Weymouth ...	cb	bcpbc	46	52	7	1	3·1
	Jersey ...	rc	cpcbc	45	52	5	2	0·7
	Torquay ...	bbc	bccpb	40	53	11	0·2	4·8
	Penzance ...	cbcpb	bbcb	43	52	10	0·2	3·7
	St. Ives ...	c	c	42	50	17	-	3·3
	Bude	bcp$_o$	bc	40	50	2	0·3	2·2
	Ilfracombe ...	cor	opco	44	50	3	4	0·9
6	Aberystwyth	prcbc	bcc	43	49	2	-	1·9
7	Llandudno ...	cbcb	bcc	41	47	1	-	2·6
	Colwyn Bay...	cbc	bcpbc	42	47	7	Trace	3·6
	Rhyl	bcb	bbcr$_o$	38	48	1	Trace	4·0
8	Wallasey ...	cbc	bcpbc	38	47	1	Trace	3·6
	Southport‖ ...	bcc	cbcc	41	46	0·3	-	3·3
	Blackpool ...	cbc	bcc	41	46	1	-	3·4
	Morecambe ...	cbc	bcdco	39	46	7	Trace	3·0
9	Ilkley... ...	c	c	36	45	3	-	2·2
	Harrogate ...	cbqp	bbcqp	37	45	0·3	0·1	2·6
10	Berwick-on-T.	bcb	bbcbc	36	44	Trace	-	4·6
11	Dunbar ...	bcr$_o$	or$_o$	36	44	4	0·5	3·8
12	Troon... ...	cbccc	cthc	37	42	2	2	0·0
	Douglas ...	cbqbc	bcq	42	45	4	-	2·2

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



Barometer. Isobars are drawn for intervals of two millibars.
Wind. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
Temperature is given in degrees F.
Weather Symbols:— Clear sky. Sky less than 1/8 clouded. Sky 1/8 to 3/8 clouded. Sky 3/8 to 5/8 clouded. Sky 5/8 to 7/8 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
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 December, 1936.
1 S.E. England, 2 E. England, 3 E. Midlands	South wind veering west later, strong to gale; rainy today, bright periods later; mild at first, average temperature later.
4 W. Midlands, 5 S.W. England, 6 South Wales, 7 North Wales, 8 N.W. England, 9 N. Midlands	South gale veering west, rain at first; bright periods and showers later; average temperature.
10 N.E. England, 11 S.E. Scotland, 12 S.W. Scotland & Isle of Man, 13 A. W. Scotld. B.N.W.Scotland, 14 Mid Scotland, 15 N. E. Scotland, 16 Orkney and Shetland	Southerly gale veering southwest; occasional rain, sleet or snow showers later; rather mild at first, colder later.
17 N. W. Ireland, 18 N. E. Ireland, 19 S. E. Ireland, 20 S. W. Ireland	Southwest to west gale, veering northwest; occasional rain or showers, bright periods later; rather mild becoming colder.

GENERAL INFERENCE.

A deep depression west of Ireland is moving northeast rapidly. There will be rain generally with renewed southerly gales followed by cooler weather generally. Wintry showers and rain in the north and northwest.

FURTHER OUTLOOK.

Fair and colder temporarily.

Times of issue of Gale Warnings.

South Cone hoisted 1330 15/12 in dist. 5,6,7,8,12,13,15,16,17,18,19 and 20.

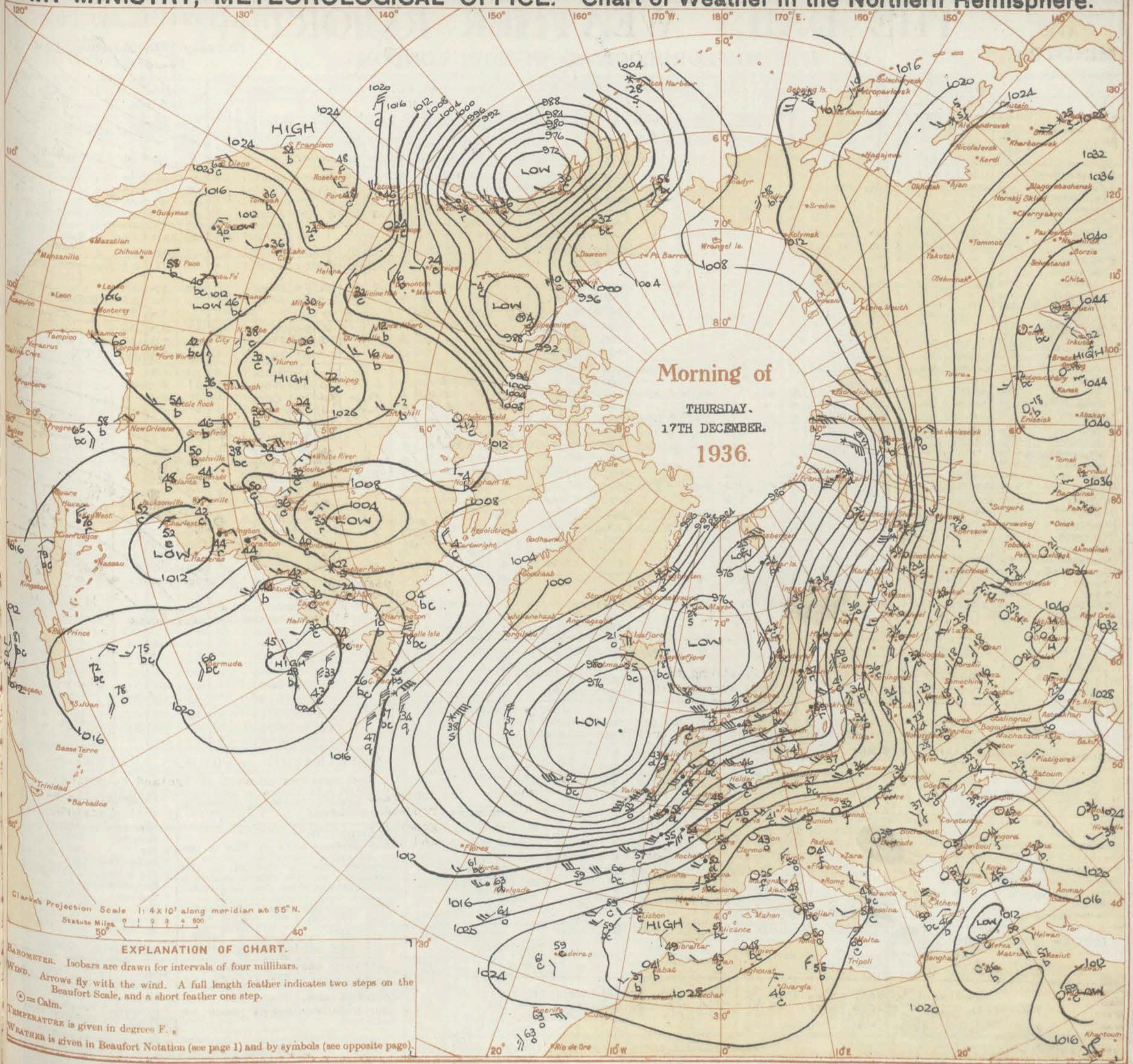
South Cone hoisted 1540 15/12 in dist. 1,2,10,11.

Forecasts issued at 1030 G.M.T.

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = 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 17th December, 1936.
No. 27419

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

Dist.	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1011·5	+2·0	S'W	3	bc	42	85	7	-	-	8	0	4-6	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1012·8	+1·8	SW'W	2	b	40	95	7	-	-	-	0	0	-
	Manston ...	142	1012·2	+2·0	SW	3	b	41	85	7	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1008·7	+2·0	SW'S	4	bc	39	85	7	-	1	-	0	4-6	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1011·2	+1·8	WSW	4	c	50	85	8	4	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1010·4	0	S	5	bc	49	95	8	4	-	-	4-6	4-6	2500
	Scilly (St.Mary's)	163	1008·9	-·8	SSW	5	b	49	85	8	-	-	-	0	0	-
	Guernsey ..	175	1013·9	+·6	WSW	2	c/pr	48	95	8	8	-	-	7-8	7-8	2500
6	Pembroke ...	142	1006·4	+·4	SW'W	5	q	50	75	7	5	-	-	4-6	4-6	2500
7	Holyhead ...	26	1004·4	+2·2	WSW	4	c	46	75	8	5	-	6	4-6	10	2500
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1004·7	+2·8	SW'W	5	c	40	85	7	5	2	-	4-6	7-8	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	999·4	+3·2	SW	4	bc	42	75	7	2	-	-	2-3	2-3	1500
11	Inchkeith ...	190	993·7	+1·6	SW	7	bc	40	95	8	5	-	-	4-6	4-6	2500
	Leuchars ...	30	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1000·9	+2·6	W	5	o	44	85	8	5	-	-	10	10	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	984·3	+3·6	SW	6	bc/phr	40	75	7	5	7	-	2-3	2-3	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	983·0	0	W	4	c/pr	38	95	8	8	6	-	4-6	7-8	1500
16	Lerwick ...	156	971·0	+2·8	WSW	9	c/r	44	95	6	6	2	-	9	10	800
17	Blacksod Point	18	997·1	+·4	S	5	q	46	95	7	9	-	-	10	10	800
18	Malin Head ...	52	995·1	+2·0	SW	5	c	43	95	7	8	-	-	7-8	7-8	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1000·2	-2·0	SSW	4	rr	49	95	7	9	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Dist.	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility. 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1009·8	-2·0	S	3	z₀	46	95	6	5	-	-	9+	9+	1500	1	*
	Croydon ...	1010·0	-2·0	SSW	4	c	45	95	7	5	7	-	2-3	9+	2500	1	*
	S. Farnborough	1009·9	-1·6	S	3	c	47	95	7	5	-	-	9+	9+	1500	1	*
	Boscombe Down	1008·7	-2·0	S	4	c	46	95	7	5	-	-	9	9	800	1	*
	Calshot (Sthmtn.)	1010·7	-2·0	S'E	5	bc	48	95	8	8	-	-	4-6	4-6	4000	1	3
	Lympne ...	1012·7	-1·4	SSW	4	c	45	95	8	5	7	-	1	9+	1500	1	3
	Manston ...	1012·5	-1·0	SSW	4	c	45	95	8	5	7	-	1	9+	1500	1	*
2	Shoeburyness ...	1010·8	-·8	S	4	c	45	95	7	5	7	-	4-6	9+	2500	1	*
	Felixstowe ...																
	Gorleston ...	1010·5	-·4	S	3	c	41	85	6	5	4	-	4-6	7-8	2500	1	2
	Mildenhall ...	1009·6	-1·2	S	3	z₀	44	85	6	5	7	-	2-3	4-6	4000	1	*
	Cranwell ...	1007·8	-2	S	3	bc	38	95	7	-	3	-	0	2-3	-	1	*
3	Birmingham ...	1006·0	-1·2	SSE	3	c	43	85	8	-	2	-	0	9+	-	1	*
	Upper Heyford	1008·1	-2·0	S'E	3	c	42	95	6	5	7	-	7-8	9+	2500	1	*
4	Ross-on-Wye	1005·5	-3·2	S	3	c	46	85	7	6	1	-	2-3	9+	2500	1	*
5	Portland Bill ...	1008·1	-2·4	SSW	5	c	50	85	7	5	-	-	1·0	1·0	1500	1	4
	Plymouth ...																
	The Lizard ...	1006·2	-2·8	S	4	r₀r₀	49	95	6	-	2	-	1·0	1·0	450	1	3
	Scilly (St.Mary's)	1003·2	-3·6	SSE	7	r₀r₀	51	95	6	5	-	-	1·0	1·0	800	1	4
	Guernsey ..	1001·4	-4·4	SSW	6	id₀	52	95	6	5	-	-	1·0	1·0	1500	1	4
6	Pembroke ...	1010·7	-2·0	SSW	4	r	49	95	4	5	-	-	1·0	1·0	1500	1	4
7	Holyhead ...	999·7	-2·8	S'W	6	rr	49	95	6	5	-	-	1·0	1·0	2500	1	4
	Chester(Sealand)	998·6	-3·8	SSW	6	ir₀	48	85	8	5	-	-	1·0	1·0	2500	1	3
8	Manchester ...	1002·7	-2·2	SE	3	c	45	85	7	5	-	-	1·0	1·0	2500	1	*
		1004·2	-1·0	SE'S	3	c	43	85	7	5	7	-	7-8	1·0	2500	1	*
10	Spurn Head ...	1005·9	0	S'W	4	c	41	95	7	5	2	-	4-6	9	2500	0	3
	Catterick ...	1002·7	-4	SSE	3	c	40	85	8	5	-	-	9	9	2500	1	*
	Tynemouth ...	1001·2	+2	SW	3	bc	42	85	7	5	-	-	2·3	2·3	800	1	2
11	Inchkeith ...	996·2	+·8	SSW	4	bc	42	95	8	5	-	-	2·3	2·3	4000	0	3
	Leuchars ...	995·1	-·2	SSW	5	b	40	75	7	-	-	-	0	0	-	1	*
12	Renfrew (Abbotsl.)	996·4	-1·6	SW'S	4	c	44	75	7	8	-	-	9	9	2500	1	*
	Eskdalemuir ...	998·2	-·8	S	3	c	38	95	7	5	-	-	7-8	7-8	1500	1	*
	Point of Ayre...	997·6	-2·6	SW	4	o	47	95	8	6	-	-	1·0	1·0	1500	1	2
13A	Tiree	999·5	-2·2	S	6	jp	45	95	7	6	2	-	7-8	1·0	1500	1	?
13B	Stornoway ...	987·5	+·4	S	4	c	44	75	8	5	7	-	4-6	7-8	1500	1	3
15	Dalwhinnie ...	992·9	-1·4	SW	7	bc	36	85	7	4	6	-	2-3	4-6	2500	6	*
	Aberdeen ...	994·4	+·8	SSW	3	b	39	85	8	5	-	-	1	1	2500	1	2
	Wick ...	989·6	+2·0	SW	4	bc	38	95	8	5	-	-	2·3	2·3	1500	1	2
16	Lerwick ...	980·5	+3·0	WSW	8	c/pr	42	95	8	8	2	-	4-6	7-8	800	1	*
17	Blacksod Point	983·4	-·9·0	S	8	RR	50	95	7	6	-	-	1·0	1·0	800	1	5
18	Malin Head ...	988·6	-4·0	S	5	d	43	95	6	9	-	-	9+	9+	800	1	4
	Aldergrove ...	993·2	-4·2	SSE	5	ir₀	45	85	7	5	-	-	1·0	1·0	1500	1	*
19	Birr Castle ...	991·1		SSW	4	c/pr	46	95	8	8	-	-	7-8	7-8	1500	1	*
20	Valentia Obsy. †	988·1	-5·4	SSW	6	rr	54	95	7	6	-	-	1·0	1·0	800	1	5
	Roches Point	993·1	-6·0	SW	8	rr	50	95	6	6	-	-	1·0	1·0	800	1	5

PAST 24 HOURS.

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

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T % (To-day.)	Humidity. 9h. G.M.T % (To-day.)	Visibility 9h.
Kew	18	rrcpr	cprcbm	b	50	41	39	1	-	1·4	•	•	6
Croydon	217	rrrpr	cprqbc	bbccb	51	42	39	3	-	1·6	•	•	6
Greenwich (Royal Observatory)...	149	cbc	cbc	cpbcd	52	42	35	1	Tr	1·8	79	85	6
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	0·8	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	51	42	36			1·6	78	84	•
Regents Pk. (Botanic Gardens)‡...	168	•	•	•	51	43	39	1	Tr	1·2	85	92	•
Camden Square	110	crc	cpb	•	50	43	37	1	Tr	•	•	86	•
Kensington	86	bcp	cop	•	51	43	34	2	Tr	1·4	At 18h. 84	86	•
Hampstead Observatory	450	orc	cp	bcod	49	39	32	1	0·1	1·4	•	90	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·6	16-20h 16+h	<0·3	4-6h 17+h

Kew Observatory. Max.	Time.	Min.	Time.
0·2	17h 16+h	<0·1	1-7h 17+h

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 16th December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 17th December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1011·9	SSW	3	z₀	48	1019·3	SSW	2	o	46
Brussels	1007·4	WSW	4	c	46	1017·1	SW	3	c	41
Berlin	1011·4	S'E	4	c	37	1015·2	SW	3	z₀	37
Zürich	1020·6	SSW	2	c	43	1026·4	SW	3	c	46
Rome	1024·1	NNE	1	bc	52					

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
?	43	?	-
?	41	5	1
41	36	-	3
?	?	0·2	0·1
*	*	-	

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

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

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.

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

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 18th December, 1936.
No. 27420

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1004·2	-32	SSW	4	ir$_o$	52	95	6	6	2	-	9+	10	800
	Croydon ...	1004·3	-34	SSW	6	d$_o$d$_o$	52	95	6	6	7	-	7-8	10	800
	S. Farnborough	1004·8	-30	SW'S	4	r$_o$r$_o$	53	95	6	6	2	-	9	10	450
	Boscombe Down	1003·8	-16	SW	6	r$_o$r$_o$	54	95	7	6	2	-	10	10	450
	Calshot (Sthmtn.)	1005·9	-22	SW'S	6	r$_o$	53	95	5	6	2	-	9	10	800
	Lympne ...	1007·9	-34	SSW	5	dF	50	95	1	-	-	-	10	10	4150
	Manston ...	1006·0	-30	SW	5	r$_o$r$_o$	49	95	6	6	2	-	7-8	10	450
2	Shoeburyness ...	1006·1	-36	S	4	ir	48	95	8	6	2	-	7-8	10	800
	Felixstowe ...														
	Gorleston ...	1004·7	-48	S'E	6	r$_o$r$_o$	46	95	6	6	-	-	10	10	1500
	Mildenhall ...	1002·8	-48	S	5	ir$_o$	48	95	6	6	2	-	9+	10	800
	Cranwell ...	1000·7	-44	S'E	5	c/r	47	95	6	6	2	-	9	10	800
3	Birmingham ...	1000·7	-34	SSW	4	c	51	95	7	6	-	-	10	10	800
	Upper Heyford	1002·6	-24	S	4	c/r	50	95	6	6	2	-	9+	10	800
4	Ross-on-Wye	1000·3	-26	SW'S	4	id$_o$	55	85	7	6	-	-	10	10	1500
5	Portland Bill ...	1004·7	-6	SW	6	c/r	53	95	7	5	-	-	10	10	1500
	Plymouth ...	1003·9	+4	SW	6	r$_o$r$_o$	53	95	6	6	2	-	9+	10	450
	The Lizard ...	1003·1	0	SSW	8	c/pr	54	95	5	5	-	-	10	10	800
	Scilly (St. Mary's)	1000·8	-8	SW'S	7	d$_o$d$_o$	54	95	5	5	-	-	10	10	800
	Guernsey ...	1009·4	+7	W'S	5	q	56	95	7	8	-	-	9+	9+	1500
6	Pembroke ...	995·3	-10	SW	8	q	53	95	5	5	-	-	10	10	1500
7	Holyhead ...	991·8	-22	SW'S	5	d$_o$d$_o$	52	95	5	5	-	-	10	10	450
	Chester(Sealand)	995·5	-28	SE	5	ir$_o$	49	95	7	6	2	-	7-8	10	2500
8	Manchester ...	996·3	-40	S	4	Z$_o$	49	95	6	5	-	-	10	10	1500
10	Spurn Head ...	998·3	-40	S	7	pr$_o$	45	95	6	5	-	-	10	10	800
	Catterick ...	995·0	-42	S'E	4	r$_o$r$_o$	43	95	5	6	-	-	9	10	450
	Tynemouth ...	993·0	-40	S	5	c	44	85	5	6	-	-	10	10	800
11	Inchkeith ...	987·3	-36	SE	4	ir$_o$	47	95	8	8	-	-	10	10	2500
12	Leuchars ...	987·5	-58	SSE	5	r$_o$r$_o$	45	85	6	5	2	-	7-8	10	1500
	Renfrew (Abbots I.)	985·8	-58	S	6	rr	48	95	5	-	2	-	10	10	450
	Eskdalemuir ...	989·2	-50	S	5	rr	43	95	6	-	2	-	10	10	450
	Point of Ayre...	988·8	-42	SW	6	p$_o$	52	95	8	5	-	-	10	10	800
13a	Tiree	978·7	-30	SSW	6	c	50	95	7	5	-	-	9	9	1500
13b	Stornoway ...	975·2	-60	SSE	8	r$_o$r$_o$	49	95	5	5	-	-	10	10	1500
15	Dalwhinnie ...	984·0	-56	SE	6	RR	40	85	6	6	-	-	10	10	2500
	Aberdeen ...	987·5	-46	S'E	5	r$_o$r$_o$	45	85	6	7	2	-	7-8	10	1500
	Wick ...	982·8	-56	SSE	8	d$_o$d$_o$	44	95	6	8	2	-	7-8	10	800
16	Lerwick ...	985·1	-20	S	6	c	45	75	7	8	7	8	4-6	9+	800
17	Blacksod Point	981·6	-4	SSW	7	q	52	85	8	9	-	-	9	9	800
18	Malin Head ...	980·0	-10	S	6	c	51	95	7	8	-	1	4-6	7-8	1500
	Aldergrove ...	984·6	-26	S'W	6	c/r	52	95	8	5	7	-	4-6	9+	800
19	Birr Castle ...	987·1	*	SSW	3	c	55	95	8	6	2	-	7-8	10	1500
20	Valentia Obsy. †	989·1	+14	SW	6	c	53	85	7	6	7	-	4-6	9	1500
	Roches Point	991·7	+2	SW	7	dr	53	95	6	5	-	-	10	10	800

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1005·2	+10	SW'W	5	ir$_o$	54	95	6	6	2	-	10	10	800	1	*
	Croydon ...	1005·4	+6	SW'S	6	d$_o$d$_o$	54	95	5	6	-	-	10	10	1500	1	*
	S. Farnborough	1005·7	+2	SW'S	5	r$_o$r$_o$	53	95	6	-	2	-	10	10	450	1	*
	Boscombe Down	1005·4	+2	SW	5	r$_o$r$_o$	53	95	6	6	2	-	10	10	450	1	*
	Calshot (Sthmtn.)	1006·6	+4	SSW	6	rr	52	95	6	6	2	-	9	10	450	1	4
	Lympne ...	1008·6	+10	SW	6	d$_o$d$_o$	51	95	6	5	-	-	10	10	220	1	4
	Manston ...	1007·5	+6	SW	6	d$_o$d$_o$	53	95	6	6	2	-	7-8	10	800	1	*
2	Shoeburyness ...	1006·1	+6	SSW	5	c	53	95	7	6	2	-	9	10	800	1	*
	Felixstowe ...																
	Gorleston ...	1003·1	-4	S'W	5	o	53	95	6	5	-	-	10	10	1500	1	4
	Mildenhall ...	1001·9	-2	SW'S	6	c	56	85	8	5	-	-	10	10	1500	1	*
	Cranwell ...	998·6	-6	SW'S	6	bc	55	85	7	5	-	-	4-6	4-6	800	1	*
3	Birmingham ...	999·6	+4	SSW	5	ir$_o$	54	75	8	6	2	-	7-8	7-8	800	1	*
	Upper Heyford	1002·6	+6	SSW	5	id$_o$	54	95	6	6	2	-	9	10	800	1	*
4	Ross-on-Wye	1000·4	0	SW	5	rr	54	95	6	6	-	-	10	10	800	1	*
5	Portland Bill ...	1005·0	+6	SW	6	rr	53	95	6	5	-	-	10	10	1500	2	6
	Plymouth ...	1004·2	+8	SW	7	rr	53	95	6	-	2	-	10	10	450	1	4
	The Lizard ...	1004·0	+8	S'W	8	r$_o$r$_o$	54	95	6	5	-	-	10	10	800	1	5
	Scilly (St. Mary's)	1001·8	+6	SW'S	7	id	54	95	6	5	-	-	10	10	800	1	4
	Guernsey ...	1010·3	+4	WSW	6	r$_o$r$_o$	54	95	5	6	-	-	10	10	800	2	4
6	Pembroke ...	996·5	+6	SW'W	8	ir$_o$	53	95	6	5	-	-	10	10	1500	1	5
7	Holyhead ...	992·7	+22	SW	6	c	52	95	6	-	1	-	0	7-8	-	1	3
	Chester(Sealand)	994·9	+12	S'W	5	c	57	75	7	5	-	-	7-8	7-8	1500	1	*
8	Manchester ...	995·2	+8	SW	5	c	57	75	7	5	-	-	10	10	2500	1	*
10	Spurn Head ...	996·2	-12	SSW	5	c	52	95	7	5	2	-	4-6	10	1500	1	5
	Catterick ...	990·0	-20	SW	7	bc	55	75	7	4	-	1	1	2-3	2500	1	*
	Tynemouth ...	988·4	-12	S	5	bc	51	95	6	2	-	-	4-6	4-6	1500	1	2
11	Inchkeith ...	982·4	-16	S	5	bc	54	95	8	5	-	-	4-6	4-6	4000	1	4
12	Leuchars ...	982·7	-16	SW	3	bc/r	52	85	6	5	-	-	4-6	4-6	1500	1	*
	Renfrew (Abbots I.)	988·5	-10	SW'S	6	c	58	75	7	8	3	6	4-6	7-8	1500	1	*
	Eskdalemuir ...	986·0	-2	SSW	8	ir	49	95	4	6	-	-	10	10	5160	1	*
	Point of Ayre...	988·4	+12	WSW	7	bc	54	85	8	3	-	-	4-6	4-6	1500	1	4
13a	Tiree	973·8	-32	SW'S	9	bc	50	75	6	3	-	8	2-3	2-3	1500	1	5
13b	Stornoway ...	968·2	-54	SSW	7	r/tlr	45	95	8	3	-	-	4-6	4-6	2500	1	6
15	Dalwhinnie ...	979·2	-*	S	5	c	44	85	6	4	6	-	4-6	10	2500	1	*
	Aberdeen ...	981·1	-14	S	4	ir$_o$	47	95	6	6	2	-	7-8	10	800	1	3
	Wick ...	975·7	-22	SSE	8	c	46	95	7	8	7	-	4-6	7-8	800	1	4
16	Lerwick ...	977·0	-50	S	6	c	46	95	6	8	2	-	9	10	450	1	
17	Blacksod Point	982·7	+6	SW	9	q	51	75	7	9	*	-	4-6	4-6	1500	1	9
18	Malin Head ...	978·7	+6	S	7	bc	49	95	7	9	-	-	4-6	4-6	800	1	4
	Aldergrove ...	984·7	+6	SSW	6	bc	50	75	8	5	-	-	4-6	4-6	1500	1	*
19	Birr Castle ...	988·9	*	W'S	4	c	51	85	8	3	7	-	2-3	7-8	1500	1	*
20	Valentia Obsy. †	992·9	+34	SW	6	c	52	75	8	5	-	6	2-3	7-8	2500	1	5
	Roches Point	994·6	+20	WSW	6	c	53	95	8	5	7	-	4-6	7-8	1500	1	5

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	Weather. 7h.—13h. 17th. (37)	Weather. 13h.—18h. 17th. (38)	Weather. 18h. 17th to 1h. 18th (39)	Weather. 1h.—7h. 18th. (40)
1	London (Kew)	cr$_o$ir	cr$_o$m$_o$	cir$_o$cr$_o$	cir$_o$cd$_o$
	Croydon ...	cm$_o$r$_o$d$_o$	cd$_o$d$_o$m$_o$	cd$_o$r$_o$d$_o$	cd$_o$d$_o$r$_o$
	S. Farnborough	cr$_o$r$_o$m$_o$	cir$_o$r$_o$ m$_o$	orr$_o$r$_o$m$_o$	r$_o$r$_o$m$_o$
	Boscombe Down	cr$_o$r$_o$r$_o$	cr$_o$r$_o$m$_o$	cr$_o$r$_o$ m$_o$	cr$_o$r$_o$m$_o$
	Calshot (Sthmtn.)	cr$_o$r$_o$r$_o$m$_o$	cir$_o$r$_o$m$_o$	cr$_o$r$_o$m$_o$	cir$_o$r$_o$r$_o$m$_o$
	Lympne ...	cr$_o$Frr	$\not$Sd$_o$d$_o$d$_o$	od$_o$d$_o$ff	Fod$_o$d$_o$c
	Manston ...	cor$_o$r$_o$	or$_o$r$_o$d$_o$d$_o$	od$_o$d$_o$q	od$_o$d$_o$mq
2	Shoeburyness ...	rrirc	irc	circ	cir$_o$c
	Felixstowe ...				
	Gorleston ...	cor$_o$r$_o$	or$_o$o	ocq	ocq
	Mildenhall ...	bcr$_o$r$_o$ir	cr$_o$z$_o$c	cr$_o$c	cd$_o$d$_o$
	Cranwell ...	bcr$_o$r$_o$	cbc	bcer$_o$	cr$_o$r$_o$
3	Birmingham ...	coir	c	cir$_o$	or$_o$r$_o$
	Upper Heyford	cr$_o$r$_o$ir	cd$_o$r$_o$d$_o$	cd$_o$r$_o$q	cr$_o$q$_o$r$_o$
4	Ross-on-Wye	ed$_o$r$_o$ord$_o$	d$_o$pr$_o$q	r$_o$q$_o$cq$_o$id$_o$	r$_o$q$_o$pr$_o$q
5	Portland Bill ...	orr	orr$_o$	rrz$_o$	orr$_o$
	Plymouth ...	od$_o$r$_o$d$_o$	b$_o$r$_o$d$_o$d$_o$r$_o$	orrm$_o$	orrd$_o$d$_o$m$_o$
	The Lizard ...	rrmpr$_o$	mrrir$_o$	r$_o$ir$_o$	o$_o$pr$_o$q$_o$
	Scilly (St. Mary's)	or$_o$od	oidm$_o$	oid$_o$ir	drr$_o$
	Guernsey ...	rrir$_o$q	c$_o$q$_o$r$_o$	or$_o$q$_o$	oc
6	Pembroke ...	o$_o$q$_o$r$_o$m$_o$d$_o$	q$_o$m$_o$i$_o$r$_o$o	c$_o$q$_o$i$_o$r$_o$o	o$_o$q$_o$m$_o$r$_o$r$_o$
7	Holyhead ...	r$_o$r$_o$r$_o$	od$_o$d$_o$c	cbbcm$_o$	r$_o$r$_o$c
	Chester(Sealand)	c$_o$r$_o$ir$_o$	cir$_o$	cb	bbcpr$_o$
8	Manchester ...	cirr$_o$r$_o$c	cr$_o$m$_o$c	cbcc	ccir$_o$
10	Spurn Head ...	orrpr	prc	cbc	bcpr$_o$
	Catterick ...	jpr$_o$r$_o$m	r$_o$m$_o$d$_o$bc	b	bbcpr$_o$
	Tynemouth ...	bcco	op$_o$bc	bcbq	bcoir$_o$
11	Inchkeith ...	bcc	prcbc	bc	bcco
12	Leuchars ...	bcmr$_o$r$_o$	cr$_o$r$_o$bc	bcm$_o$m$_o$	cm$_o$id$_o$
	Renfrew (Abbots I.)	r$_o$r$_o$rro	r$_o$r$_o$r$_o$r$_o$	bc	bccr$_o$r$_o$
	Eskdalemuir ...	bcrr	rrR$_o$je	cirm$_o$	crrm$_o$
	Point of Ayre...	opr	cbc	bc	cr$_o$r
13a	Tiree	orrcp	prbcl	bcl	bcc
13b	Stornoway ...	pr$_o$r$_o$r$_o$m$_o$	cPRclbc	bcphrbc	bcpr$_o$l
15	Dalwhinnie ...	cirrr	irc	*	irc
	Aberdeen ...	bcr$_o$r$_o$	cr$_o$d$_o$	cq Rb	bbcc
	Wick ...	cdcc	cd$_o$c	crrpr	c
16	Lerwick ...	cprbd	errm$_o$	cirm$_o$	cprm$_o$q
17	Blacksod Point	prcq	prcql	PRc	Pcq
18	Malin Head ...	c	clpr	c	c
	Aldergrove ...	cr$_o$rrr$_o$	crRc,bc	bcc	cR,rr$_o$c
19	Birr Castle ...	cprc	c	c	cprbc
20	Valentia Obsy. †	rrqrqrqc	c	bccprc	cpr$_o$bc
	Roches Point	rrdrdr	dvdrc	bcoir	orrbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo-stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

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

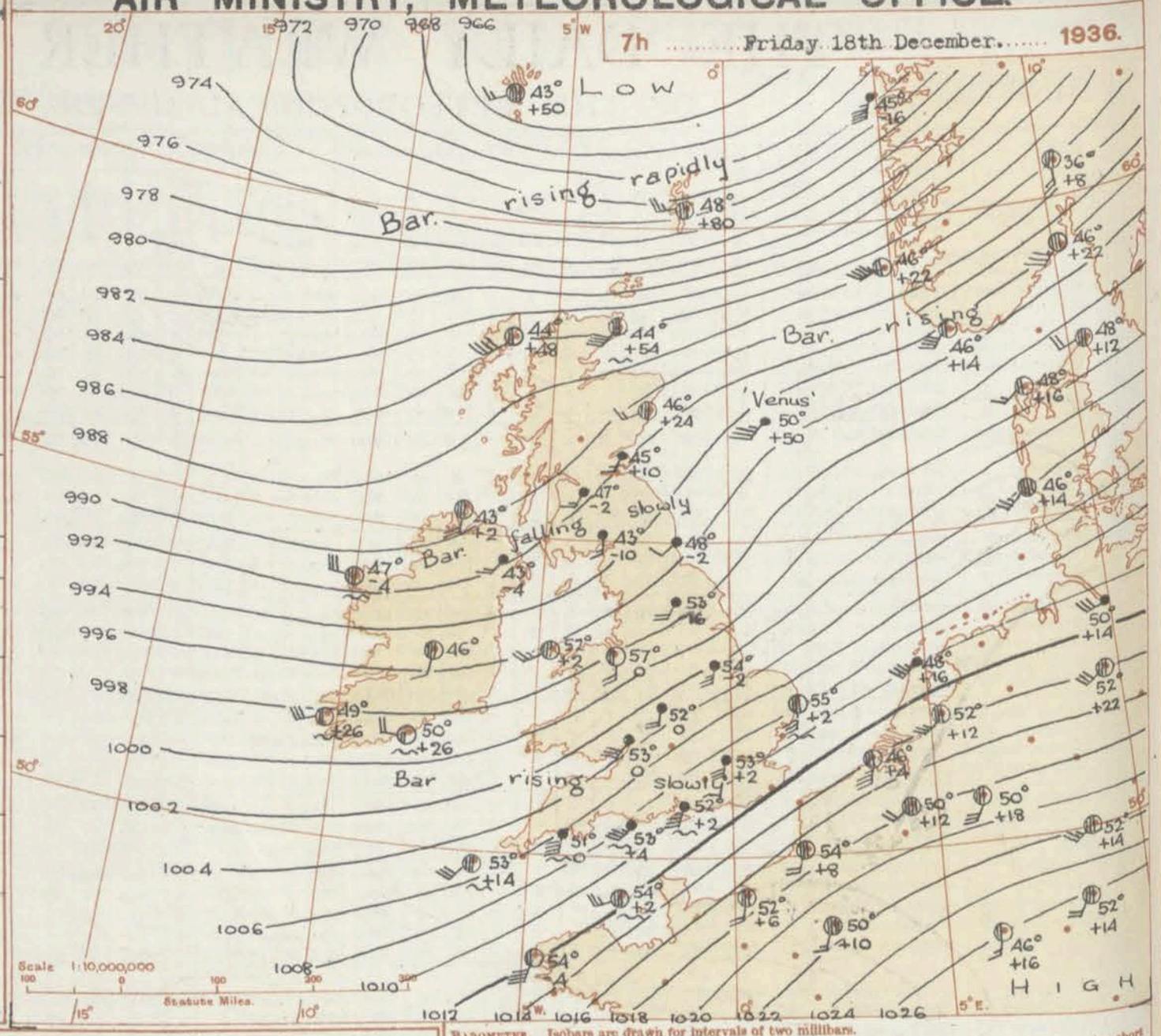
† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 17th December 1936.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F) Min. 9h. 16th to 9h. 17th	Temperature (F) Max. 9h.—17h. 17th	Rainfall (mm) Night. 17h. 16th to 9h. 17th	Rainfall (mm) Day. 9h.—17h. 17th	Sunshine (hrs) Sunrise to Sunset. 17th
1	Tunbridge W.	oro	or	40	54	0·3	6	0·0
	Bournemouth	r	r	43	54	2	7	0·0
	Ventnor ...	or	or	46	53	1	6	0·0
	Southsea ...	or	or	45	55	1	4	0·0
	Bognor Regis	oir	oir	45	52	1	5	0·0
	Littlehampton	orr	roir	44	53	0·4	5	0·0
	Worthing ...	oir	oir	43	52	1	2	0·0
	Brighton ...	irdd	rdrc	44	53	3	7	0·0
	Eastbourne†	rr	rrd	47	55	2	7	0·0
	Hastings† ...	orr	odmo	45	52	Trace	9	0·0
	Folkestone ...	orro	odro	42	52	Trace	4	0·0
	Dover... ...	rro	ro	44	51	2	2	0·0
	Deal	oir	rir	43	54	Trace	4	0·0
	Ramsgate ...	or	rorc	42	54	-	1	0·0
	Margate ...	cdr	cd	42	56	0·2	1	0·0
2	Southend ...	or	or	41	52	Trace	2	0·0
	Maldon ...	oir	oir	38	55	-	2	0·0
	Clacton-on-Sea	coir	oirc	40	49	-	3	0·0
	Dovercourt ...	doc	roc	39	53	Trace	3	0·0
	Lowestoft ...	o	ir	40	51	-	3	0·0
	Skegness ...	or	roq	38	52	Trace	0·4	0·0
	Mablethorpe	orir	oiroc	37	52	-	1	0·0
	Cleethorpes ...	o	or	38	52	Trace	0·6	0·0
3	Leamington S.	cp	cp	40	57	1	0·4	0·0
4	Cheltenham†	orcp	cpo	41	56	0·3	0·1	0·0
5	Bath	cp	cr	42	58	3	1	0·0
	Weymouth ...	rdr	rd	46	55	5	5	0·0
	Jersey ...	rcbc	cd	45	55	1	0·2	0·5
	Torquay ...	drpo	ordp	44	57	5	8	0·0
	Penzance ...	qoir	qr	46	56	1	1	0·0
	St. Ives ...	d	r	44	56	5	2	0·0
	Bude	becp	orq	45	56	1	4	0·0
	Ilfracombe ...	opco	epor	44	57	2	3	0·0
6	Aberystwyth	odd	opr	44	52	1	2	0·0
7	Llandudno ...	qco	odoe	44	58	Trace	0·3	0·0
	Colwyn Bay...	cpcdc	cpc	44	57	0·3	1	0·0
	Rhyl	cdroc	cir	44	56	Trace	0·3	0·0
8	Wallasey ...	r	ocbc	42	58	1	0·5	0·0
	Southport‖ ...	oir	rocbc	42	55	0·3	2	0·0
	Blackpool ...	or	ocq	43	53	0·3	2	0·0
	Morecambe ...	circ	irco	42	54	Trace	3	0·0
9	Ilkley... ...	ogo	ro	39	55	2	1	0·0
	Harrogate ...	oir	cbp	38	55	2	0·5	0·0
10	Berwick-on-T.	o	orc	35	53	7	Trace	0·0
11	Dunbar ...	cpr	cpr	34	54	7	0·3	0·0
12	Troon... ...	ocoor	rorc	36	53	2	5	0·0
	Douglas ...	or	oqc	41	53	0·5	3	0·0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:— Clear sky, Sky less than 1/10 clouded, Sky 1/10 to 5/10 clouded, Sky 5/10 to 9/10 clouded, Overcast sky, Rain falling, Snow, Sleet, Hail, Fog, Mist, Thunder, Thunderstorm, Slight haze.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 18th December, 1936.
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Strong southwest to west winds moderating; intermittent rain at first, bright periods later; mild then average temperature.
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	Fresh or strong westerly winds; bright periods and showers; average temperature.
12 S.W. Scotland & Isle of Man, 13 A. W. Scotland. B.N.W. Scotland, 14 Mid Scotland, 15 N. E. Scotland, 16 Orkney and Shetland	Strong west winds, moderating; bright periods, showers of rain, hail or sleet; average temperature or rather cold.
17 N. W. Ireland, 18 N. E. Ireland, 19 S. E. Ireland, 20 S. W. Ireland	As 5 - 11.

GENERAL INFERENCE.

A depression near the Faeroes is moving northeast. The weather will be mild at first in the South and Southeast, with intermittent rain but colder with bright periods elsewhere.

FURTHER OUTLOOK.

Fair temporarily apart from showers in the North and Northwest

Times of issue of Gale Warnings.
South Cone hoisted 1330 15/12 in dist. 5,6,7,8, 12,13,15,16,17,18,19 and 20.
South Cone hoisted 1540 15/12 in dist. 1,2,10,11.

Forecasts issued at 1030 G.M.T.

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

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

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

Morning of

FRIDAY
18TH DECEMBER.

1936.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = 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 18th December, 1936.
No. 27420

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. 0-Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1008·9	+1·8	SW	5	d.d.	55	96	6	6	–	–	10	10	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1011·4	+1·4	SW	7	df	50	95	3	–	–	–	10	10	<150
	Manston ...	142	1010·7	+1·2	SW	5	d.d.	52	95	6	6	–	–	10	10	800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1005·9	+1·6	SSW	5	c	53	95	6	5	–	–	7·8	7·8	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1008·5	+1·6	SW	7	rr	53	95	6	5	–	–	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1006·3	+·6	S'W	7	o	53	95	6	5	–	–	10	10	800
	Scilly (St. Mary's)	163	1004·1	0	SW'S	7	ir	54	95	6	5	–	–	10	10	1500
	Guernsey ..	175	1012·5	+·6	WSW	5	o	54	95	6	5	–	–	10	10	1500
6	Pembroke ...	142	1001·1	+·4	SW	6	Oq.	53	95	7	5	–	–	10	10	2500
7	Holyhead ...	26	998·1	+1·4	SW'S	4	c	51	95	6	5	1	–	4·6	7·8	1500
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1000·2	+1·4	SW	5	bc	52	85	8	–	1	–	0	2·3	–
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	994·2	+2·6	SW	6	b	51	65	7	–	–	–	0	0	–
11	Inchkeith ...	190	988·2	+3·0	S	7	bc	49	85	8	8	–	–	4·6	4·6	4000
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	994·6	+2·6	W'S	7	b	51	85	8	3	–	–	1	1	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	969·8	+3·6	SW	9	bc/pr	47	75	7	5	7	–	2·3	4·6	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	972·8	+1·2	SW	8	c/pr	45	95	7	3	8	–	4·6	7·8	1500
16	Lerwick ...	156	965·4	-4·8	SSW	8	c	48	75	6	8	–	–	7·8	7·8	800
17	Blacksod Point	18	991·5	+1·6	S	5	bc	49	75	7	3	–	–	4·6	4·6	800
18	Malin Head ...	52	988·1	+5·0	SSW	7	c	47	95	6	8	–	–	7·8	7·8	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	993·4	-·6	SSW	5	c	52	95	7	3	–	–	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

District	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. 0-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	1008·9	0	SSW	5	id.	53	95	7	6	2	–	10	10	1500	1	*
	1009·4	+·2	SSW	6	d.d.	53	95	6	6	–	–	10	10	1500	1	*
	1009·6	+·2	SW'S	6	r.r.	52	95	6	6	–	–	10	10	800	2	*
	1008·6	+·4	SW'S	6	r.r.	52	95	6	6	2	–	10	10	450	1	*
	1010·4	+·2	SSW	7	dr	52	95	6	6	2	–	7·8	10	450	1	4
	1013·1	+·6	SW'S	6	c/d	50	95	7	5	–	–	9+	9+	1500	1	5
	1011·9	+·2	SW	6	d.d.	52	95	7	6	–	–	10	10	800	1	*
2	1010·6	+·4	SW	5	c	53	85	7	6	2	–	9+	10	800	1	*
	1007·4	+·2	S'W	6	c	55	85	8	5	–	–	10	10	2500	1	4
	1006·6	+·4	SSW	6	d.d.	53	95	6	6	2	–	7·8	10	800	1	*
	1003·0	-·2	SSW	5	r.r.	54	85	7	6	2	–	7·8	10	1500	1	*
3	1002·9	0	SSW	4	r.r.	52	95	8	6	–	–	10	10	800	1	*
	1005·8	0	SSW	6	c/r	53	95	8	5	–	–	10	10	800	1	*
4	1003·1	0	SW	6	r.r.	53	95	7	6	–	–	10	10	1500	1	*
5	1008·5	+·4	SW	7	rr	53	95	6	5	–	–	10	10	2500	2	6
	1006·9	0	S'W	8	d.d.	51	95	5	–	2	–	10	10	450	1	4
	1007·3	+·2	S	8	ir	52	95	6	5	–	–	10	10	1500	1	5
	1005·4	+1·4	SW	6	q/r	53	95	6	5	–	–	10	10	1500	1	4
	1012·9	+·2	WSW	5	c	54	85	6	8	2	–	4·6	9+	2500	1	4
6	1000·4	+·8	SW	8	rr	52	95	6	5	–	–	10	10	2500	1	4
7	996·1	+·2	SW'W	5	c/r	52	95	7	9	–	–	10	10	1500	1	3
	998·7	0	S	4	bc	57	85	7	5	–	–	4·6	4·6	4000	1	*
8	999·0	-·4	SSW	4	ir.	55	85	7	5	–	–	10	10	1500	1	*
10	999·9	0	SSW	6	c	51	95	7	5	2	–	4·6	10	1500	1	5
	995·8	-1·6	SW'S	4	pr.	53	85	7	9	–	–	4·6	4·6	1500	1	*
	995·9	-·4	SW	2	ir.	48	85	6	6	–	–	10	10	800	1	2
11	992·3	+1·2	SSW	4	o	48	85	8	5	–	–	10	10	2500	0	3
	991·8	+1·0	SW	3	id.	45	85	6	5	2	–	9	10	1500	1	*
12	992·0	-·2	SW'S	3	r.r.	47	85	7	5	2	–	10	10	2500	1	*
	993·6	-1·0	S	3	rr	43	95	6	–	2	–	10	10	800	1	*
	992·6	-2·0	SW'W	5	c/r	51	95	8	6	–	–	10	10	1500	1	3
13A	988·4	0	WSW	3	c	46	75	7	6	2	–	7·8	9+	1500	0	7
13B	986·2	+4·8	SSW	8	bc	44	75	8	8	7	–	2·3	4·6	2500	1	3
15	991·2	+1·6	S	5	c	40	85	7	5	–	–	10	10	2500	0	*
	990·2	+2·4	SW'W	3	c	46	75	7	5	–	–	10	10	2500	1	3
16	985·5	+5·4	SW	8	c	44	75	8	8	1	–	4·6	7·8	1500	1	4
	973·1	+8·0	WSW	5	c/pr	48	85	6	8	–	–	7·8	7·8	800	1	*
17	990·9	-·4	W	6	q	47	85	7	9	–	–	10	10	800	2	5
18	989·8	+·2	S	4	c	43	95	7	8	–	–	9+	9+	800	1	3
	991·9	-·4	SW	3	ir.	43	95	7	6	7	–	4·6	9+	800	1	*
19	995·2		S'W	2	bc	46	95	8	5	–	–	2·3	2·3	2500	1	*
20	998·9	+2·6	WSW	6	bc	49	75	8	5	–	–	2·3	2·3	1500	1	4
	999·4	+2·6	W	4	bc	50	95	8	3	–	–	2·3	2·3	1500	1	5

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 17th Hrs. (36)
1	London (Kew)	55	52	51	1	1	0·0
	Croydon ...	56	52	51	3	5	0·0
	S. Farnborough	56	52	51	3	3	0·0
	Boscombe Down	54	51	51	4	3	0·0
	Calshot (Sthmtn.)	54	51	50	8	7	0·0
	Lympne ...	54	51	49	5	5	0·0
	Manston ...	55	51	50	1	0·6	0·0
2	Shoeburyness ...	53	51	49	2	0·4	0·0
	Felixstowe ...						
	Gorleston ...	53	52	51	2	–	0·0
	Mildenhall ...	56	53	51	1	0·1	0·0
	Cranwell ...	56	53	51	0·6	0·3	0·0
3	Birmingham ...	55	52	50	1	4	0·0
	Upper Heyford	55	52	51	2	1	*
4	Ross-on-Wye	66	53	51	3	11	0·0
5	Portland Bill ...	55	51	*	8	5	*
	Plymouth ...	54	51	50	5	6	0·0
	The Lizard ...	54	51	*	2	2	*
	Scilly (St. Mary's)	55	52	*	1	3	0·0
	Guernsey ..	57	53	49	4	1	0·1
6	Pembroke ...	54	50	*	3	3	0·0
7	Holyhead ...	54	50	48	3	1	0·0
	Chester(Sealand)	58	50	45	Tr	Tr	0·0
8	Manchester ...	57	51	47	1	0·2	0·0
10	Spurn Head ...	52	49	*	1	0·1	0·0
	Catterick ...	55	48	45	1	Tr	0·0
	Tynemouth ...	52	48	43	Tr	Tr	0·0
11	Inchkeith ...	54	44	41	0·2	–	0·0
	Leuchars ...	52	45	42	3	Tr	0·0
12	Renfrew (Abbotsl.)	53	47	45	12	0·1	0·0
	Eskdalemuir ...	49	42	41	11	5	0·0
	Point of Ayre...	54	48	*	4	2	0·0
13A	Tiree	51	45	42	4	–	0·0
13B	Stornoway ...	50	43	*	7	2	0·0
15	Dalwhinnie ...	45	40	36	8·7	3	0·0
	Aberdeen ...	47	46	43	1	4	0·0
	Wick ...	46	43	*	0·2	2	*
16	Lerwick ...	48	44	*	5	1	0·0
17	Blacksod Point	53	40	*	7	8	*
18	Malin Head ...	47·52	41	*	1	1	1·0
	Aldergrove ...	53	42	41	4	3	0·0
19	Birr Castle ...	57	45	37	2	0·1	0·1
20	Valentia Obsy. †	55	48	44	6	1	0·4
	Roches Point	54	50	*	5	5	*

LONDON OBSERVATIONS

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

	Height Above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	cr.r.ir	cr.m.	cir.cr.	55	52	51	1	1	0·0	*	*	6
Croydon	217	cm.r.dd.	cd.d.m.	cd.r.d.	56	52	51	3	5	0·0	*	*	6
Greenwich (Royal Observatory)...	149	cr.r	cr.r.d	rn.d.r.	55	52	50	1	3	0·0	88	87	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	56	48	50	2		0·0	87	87	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	56	47	46	2	1	0·0	92	87	*
Camden Square	110	crr.	crc	*	55	52	50	1	2	*	*	97	*
Kensington	80	cr	cod	*	55	53	50	1	1	0·0	88	87	*
Hampstead Observatory	450	or	or	or	53	49	46	3	1	0·0	*	93	*

At 18h.

FOREIGN OBSERVATIONS

18h. G.M.T... 17th December

Stations	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1017·7	SW	5	c	55
Brussels	1012·1	WSW	4	o	54
Berlin	1017·8	SSW	3	c	39
Zürich	1027·2	S	1	c	45
Rome	1027·9	N	3	b	52

7h. G.M.T... 18th December

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1021·7	SSW	3	c	50
1017·9	SW	4	c	50
1016·6	SW	4	ir	48
1029·8	SE	1	c	43

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
55	50	2	–
54	50	3	–
46	39	–	5
52	43	–	1
*	*	–	

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

Max.	Time.	Min.	Time.
0·6	11–15h. 17th	<0·3	2–6h. 18th

Kew Observatory.

Max.	Time.	Min.	Time.
0·1	8h. 17th.	<0·1	22h. 17th.

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 19th December, 1936.
No. 27421

District.	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 18th December: Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1010·8	+4	SW's	6	ir.	54	85	6	6	2	-	9+	10	800
	Croydon ...	1011·1	+2	SW'S	6	d.d.	52	95	6	6	-	-	10	10	1500
	S. Farnborough	1011·5	+10	SSW	6	d.d.	52	95	6	6	2	-	9	10	800
	Boscombe Down	1011·3	+18	SW	4	r.r.	50	96	6	6	2	-	10	10	450
	Calshot (Sthmtn.)	1011·9	+6	S'W	7	z.	52	95	6	6	7	-	9	10	800
	Lympne ...	1014·5	+8	SW'S	6	c	53	85	8	5	7	-	2-3	7-8	1500
	Manston ...	1013·1	+4	SSW	6	q	54	75	7	5	7	-	4-6	9	800
2	Shoeburyness ...	1012·1	+6	SW'S	5	ir.	53	95	8	6	2	-	9+	10	1500
	Felixstowe ...														
	Gorleston ...	1008·4	+4	S'W	6	c	54	85	6	5	-	-	9+	9+	2500
	Mildenhall ...	1008·3	+6	SW'S	6	c	55	85	8	5	-	-	10	10	1500
	Cranwell ...	1005·5	+16	SW's	5	c/r	53	85	8	5	7	-	2-3	9+	2500
3	Birmingham ...	1007·0	+24	WSW	5	c	51	75	8	6	7	-	2-3	8	800
	Upper Heyford	1009·3	+22	SW	5	c/r	51	95	8	5	2	-	4-6	9+	800
4	Ross-on-Wye	1007·9	+24	SW	5	q	52	75	8	5	2	-	2-3	9+	1500
5	Portland Bill ...	1011·5	+16	SW	5	rr	51	95	6	5	-	-	10	10	1500
	Plymouth ...	1011·0	+14	SW	4	ir.	50	95	6	6	2	-	9	10	450
	The Lizard ...	1011·1	+10	SSW	5	c	51	95	7	5	2	-	9	10	1500
	Scilly (St. Mary's)	1011·1	+24	SW'W	5	c	52	95	6	5	3	-	4-6	10	1500
	Guernsey ...	1014·1	0	SW'W	6	q	53	95	7	5	-	-	10	10	2500
6	Pembroke ...	1006·5	+16	W	6	q	50	85	6	5	7	-	7-8	9+	2500
7	Holyhead ...	1003·6	+40	W'S	5	c	49	65	8	5	3	-	Tr	9+	1500
	Chester (Sealand)	1003·7	+26	SSW	5	c	54	65	7	5	7	-	4-6	7-8	4000
8	Manchester ...	1004·0	+32	SW'W	4	c	52	65	7	8	7	-	2-3	9+	1500
10	Spurn Head ...	1003·0	+18	SW	6	rr	53	85	6	6	-	-	10	10	1500
	Catterick ...	1000·7	+34	SW'W	5	c	51	65	8	8	7	5	2-3	7-8	1500
	Tynemouth ...	998·3	+32	WSW	4	bc	51	65	6	4	6	-	4-6	4-6	1500
11	Inchkeith ...	993·7	+2	SW	4	c	46	95	7	8	7	8	4-6	7-8	2500
	Leuchars ...	993·3	+16	SW	4	pr.	46	85	6	5	-	-	9	9	800
12	Renfrew (Abbotsl.)	994·5	+18	SW	5	c	47	75	8	8	-	-	9+	9+	2500
	Eskdalemuir ...	997·3	+30	SW'S	7	pr.	45	85	8	6	-	6	9+	9+	1500
	Point of Ayre ...	1000·3	+34	W	6	c	48	85	8	8	1	-	7-8	10	2500
13A	Tiree	988·7	-12	SW	5	c	45	85	7	8	-	-	9+	9+	1500
13B	Stornoway ...	988·4	+6	W	3	c	45	75	8	5	7	-	7-8	9+	2500
15	Dalwhinnie ...	992·4	+12	SW	3	ir	39	95	7	4	2	-	4-6	10	2500
	Aberdeen ...	990·9	+6	SW	3	bc	45	85	7	7	-	9	2-3	2-3	1500
	Wick ...	989·1	+12	SW	3	c	45	85	8	5	2	-	7-8	10	1500
16	Lerwick ...	984·9	+40	W	7	c	47	75	7	8	7	-	7-8	9	1500
17	Blacksod Point	1000·2	+60	W	7	q	43	85	8	9	-	-	9	9	800
18	Malin Head ...	994·0	+16	SSW	6	c/pr	48	95	7	8	-	-	9	9	1500
	Aldergrove ...	997·9	+40	SW	6	c	46	75	7	8	-	-	7-8	7-8	1500
19	Birr Castle ...	1004·1	•	W'S	3	c/pr	46	85	8	8	7	-	4-6	7-8	1500
20	Valentia Obsy. †	1007·7	+34	W'S	5	c	48	55	8	8	3	-	7-8	7-8	2500
	Roches Point	1007·9	+32	W	3	bc	47	95	8	3	4	5	2-3	4-6	1500

District.	Stations.	OBSERVATIONS at 18h. G.M.T. 18th December: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1014·4	+30	SW	3	c/r	51	95	6	5	7	-	1	9	1500	1	*
	Croydon ...	1014·1	+20	SW	4	c/d	51	95	7	5	3	-	2-3	9	2500	1	*
	S. Farnborough	1014·5	+20	SW	3	c	50	95	7	5	-	-	9+	9+	1500	2	*
	Boscombe Down	1014·2	+26	SW	3	c/r	49	95	8	5	7	-	4-6	10	1500	1	*
	Calshot (Sthmtn.)	1015·2	+26	SW	4	c/d	50	95	8	5		-	10	10	800	1	3
	Lympne ...	1015·7	+14	SW's	6	id.	51	95	6	5	-	-	10	10	800	1	§ 5
	Manston ...	1014·9	+16	SSW	6	q	53	85	7	5	-	-	10	10	1500	1	*
2	Shoeburyness ...	1014·3	+20	SW's	3	r.	50	95	6	6	2	-	9+	10	800	1	*
	Felixstowe ...																
	Gorleston ...	1012·2	+20	SSW	3	o	51	85	7	6	-	-	10	10	2500	1	3
	Mildenhall ...	1011·7	+22	SW	3	o/r	51	85	7	5	-	-	10	10	2500	1	*
	Cranwell ...	1010·4	+34	WSW	4	c	48	75	8	5	8	-	7-8	9	4000	1	*
3	Birmingham ...	1012·3	+32	WSW	3	c	47	75	8	-	7	-	0	9	-	1	*
	Upper Heyford	1013·7	+30	SW'W	4	c	48	95	7	5	2	-	7-8	10	1500	1	*
4	Ross-on-Wye	1013·1	+36	WSW	2	c	48	75	8	-	7	-	0	9+	-	1	*
5	Portland Bill ...	1014·7	+20	WSW	4	c	51	85	7	5	-	-	10	10	1500	2	4
	Plymouth ...	1015·4	+32	W'S	1	c	50	95	7	5	7	-	2-3	10	1500	1	3
	The Lizard ...	1015·5	+20	SW	3	c	50	95	7	5	-	-	10	10	1500	1	3
	Scilly (St. Mary's)	1015·4	+30	WNW	4	c/pr	48	85	7	8	4	-	7-8	9	2500	1	3
	Guernsey ...	1016·9	+22	W'S	2	c	51	95	7	5	-	-	10	10	2500	1	4
6	Pembroke ...	1011·7	+28	W	5	q	49	65	7	5	-	-	9+	9+	2500	1	4
7	Holyhead ...	1009·7	+32	W	5	c	47	65	8	5	3	-	1	9	1500	1	3
	Chester (Sealand)	1010·6	+30	SW	4	bc	48	65	7	-	3	-	0	4-6	-	1	*
8	Manchester ...	1009·8	+36	SW'S	4	c	45	85	7	5	3	-	2-3	7-8	2500	1	*
10	Spurn Head ...	1008·9	+28	WSW	5	c	48	75	7	5	2	-	4-6	10	2500	1	
	Catterick ...	1006·6	+30	WSW	4	bc	46	65	8	2	7	-	1	4-6	1500	1	*
	Tynemouth ...	1003·9	+40	W	4	bc	48	85	7	4	7	-	4-6	4-6	2500	1	2
11	Inchkeith ...	999·6	+38	S	7	c	40	95	8	8	7	-	4-6	7-8	4000	1	5
	Leuchars ...	997·9	+34	SW	6	q	42	75	7	8	-	-	2-3	2-3	800	1	*
12	Renfrew (Abbotsl.)	1001·7	+50	WSW	5	bc	38	85	7	8	-	-	4-6	4-6	2500	1	*
	Eskdalemuir ...	1003·9	+46	WSW	6	c	49	75	8	5	-	-	7-8	7-8	1500	1	*
	Point of Ayre ...	1006·6	+36	W	6	bc	45	85	8	1	-	-	2-3	2-3	2500	1	3
13A	Tiree	998·1	+42	W'S	6	bc	43	75	7	8	-	8	2-3	2-3	1500	1	4
13B	Stornoway ...	991·5	+26	SW	4	pr.	38	85	7	5	2	-	7-8	10	1500	1	2
15	Dalwhinnie ...	997·5	+44	SW	5	ir	36	85	6	6	6	-	4-6	7-8	2500	1	*
	Aberdeen ...	993·5	+14	SW	4	b	43	75	7	5	-	-	Tr	Tr	1500	1	2
	Wick ...	989·8	+8	WNW	1	rr	38	95	7	5	-	-	10	10	800	1	2
16	Lerwick ...	987·7	+18	WSW	5	bc	45	75	8	8	7	-	4-6	4-6	1500	1	*
17	Blacksod Point	1005·6	+36	WSW	5	bc	43	85	8	9	-	-	4-6	4-6	1500	1	4
18	Malin Head ...	1002·0	+40	SSW	6	c/pr	41	95	6	9	-	-	7-8	7-8	800	1	3
	Aldergrove ...	1006·0	+48	SW	3	b	37	85	8	8	-	-	1	1	2500	1	*
19	Birr Castle ...	1003·0	•	SSW	1	bc	39	85	8	5	4	-	1	2-3	2500	1	*
20	Valentia Obsy. †	1012·5	+32	SW'S	5	phr	42	85	8	9	-	-	9+	9+	1600	1	4
	Roches Point	1013·1	+36	WSW	4	c	44	95	8	6	-	-	7-8	7-8	1500	1	5

PAST 24 HOURS.

Weather 7h.–13h. 18th (37)	Weather 13h.–18h. 18th (38)	Weather 18h. 18th to 1h. 19th (39)	Weather 1h.–7h. 19th (40)
cir.mr.	crrcm.	cm.	cbm.
cd.d.dd	oddm.c	cr.PRc	cbc,bw
r.rd.d.mc	cdrddmc	cir.c	cbcb
crrrr.r	cr.r.circ	cir.bc	bcb
cd.d.m.	cdrddd.m.	cpr.bc	bbw
cbc	id.m.id	cr.r.if	o,b
cq	cq	cq or r.	cbcm.b
cir.c	ir.r.r.c	r.r.c	cb
cpr.c	coroq	o	obbc
cd.r.c	cd.mr.c	c	bcb
r.id.ir.	cq	c,b	b
orcepr.	c	cb	b
cqr.r.	cprc	cbc	b
r.q.id.c	cpr.	c	cp.b
orrz.	rrpr.o	o	ocbc
od.d.rdd	cr.pr.mc	c	cprpr.b
r.r.c	cprc	cbcpr	bcq
oir.c	cpr.	cbcpq	bcpqb
cqoq	orddo	oprc	cbc
oqm.ir.c	cq	cqPRbc	bcq
r.c	cpr.c	c,b	b
bcrr.c	c	bcb	b
cir.c	c	cb	bx
prorr	pr.c	cbc	bc
cir.bc	cpr.bc	bcb	bw
or.bc	bcq	bcb	bbc
oirc	cirq	cq bc	bc
cr.r.bc	cm bcb	bycpr	bcqpr
rrqPR	cpbc	bc	bccpr
rrRpr.	cbcc	bcbbc	bcc
oco	oc	bc	bbc
RRqrc	cphrq		
bccpr.	cpr.rr	bcqprl	phrql
crr	cir		isc
cbcb	b	bqb	b
c	crr	rrpr	bcc
c	cpr	cir	cphrq
PHq	PHRq	PHRq	PRHq
cbcc	cpr.	cphr	cphrt
cbcpr.cbc	bcb	b	bbc
bccpr.	cbc	bcpr	bcprb
bcpr.c	cbccphr	cphrc	cbc
bc	bcc	cir.bc	bc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s., slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus
R, heavy rain. r., slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽, lunar halo. ⟋ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; + has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/10 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), or Nimbo-stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

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

† Sea disturbance reported from Dungeness.

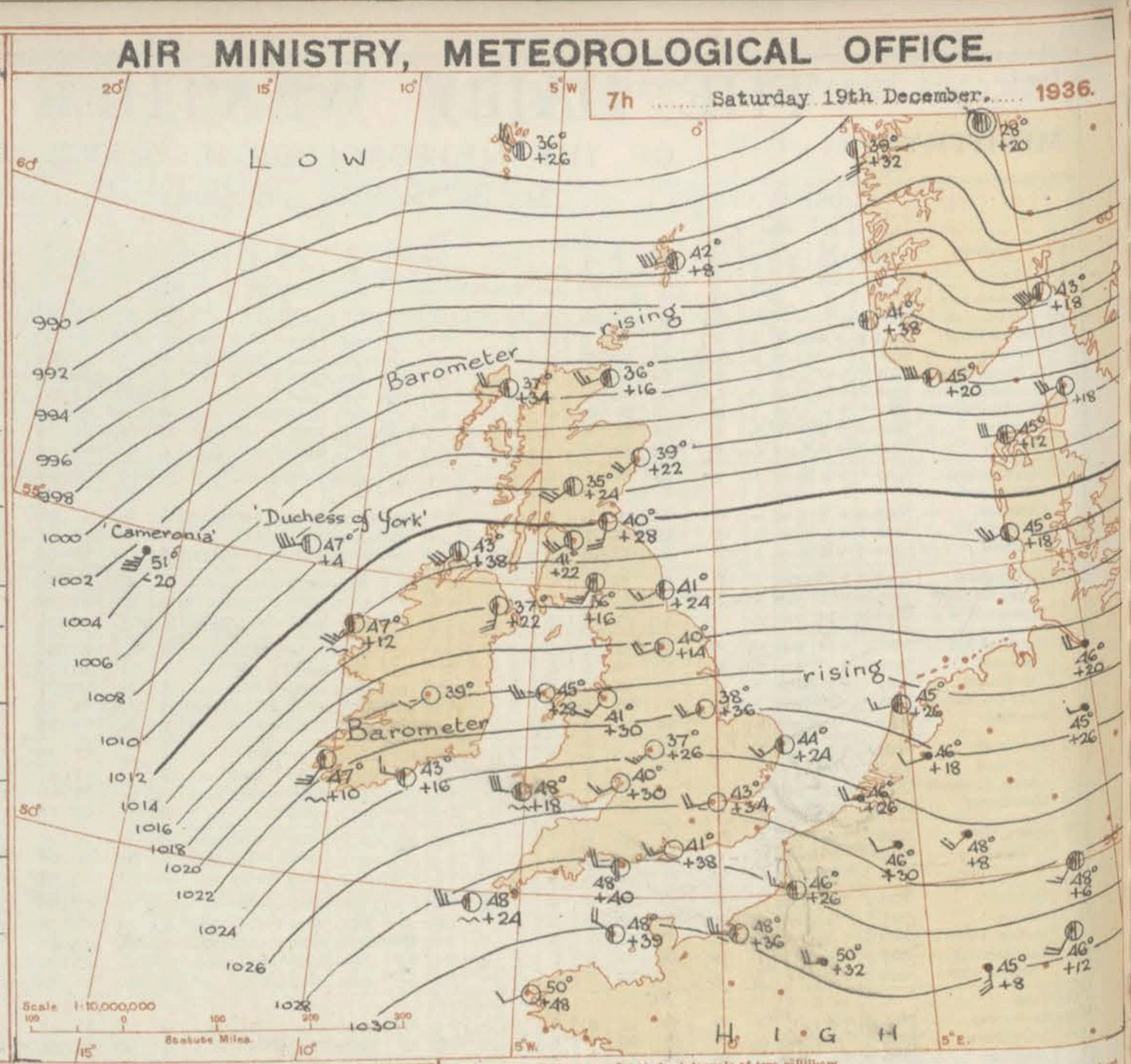
REPORTS from HEALTH RESORTS for 18th December 1936.

District	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F) Min. 9h. 17th to 9h. 18th	Temperature (F) Max. 9h.—17h. 18th	Rainfall (mm) Night. 17h. 17th to 9h. 18th	Rainfall (mm) Day. 9h.—17h. 18th	Sunshine (hrs) Sunrise to Sunset. 18th
1	Tunbridge W.	or	or	46	53	9	3	0·0
	Bournemouth	r	r	48	52	7	7	0·0
	Ventnor ...	roco	orm	48	52	9	1	0·1
	Southsea ...	od	od	47	53	7	1	0·0
	Bognor Regis	bcc	irc	47	52	6	0·3	0·3
	Littlehampton	co	or.o	47	53	5	0·2	0·0
	Worthing ...	od.	oid.	47	53	11	0·3	0·0
	Brighton ...	cr	ddc	50	53	6	2	0·0
	Eastbourne†	oc	cr.od.	52	55	3	0·1	0·4
	Hastings† ...	occ	oco	50	54	4	-	0·0
	Folkestone ...	coc	co	46	53	4	-	0·0
	Dover... ...	c	cor.	47	53	5	Trace	0·2
	Deal	rr.	o	44	54	5	Trace	0·0
	Ramsgate ...	c	c	46	54	0·3	-	0·4
	Margate ...	c	cbc	46	56	0·2	-	0·6
2	Southend ...	co	od	45	57	0·5	Trace	0·0
	Maldon ...	oir	or	52	54	0·5	1	0·0
	Clacton-on-Sea	c	cod	44	51	0·4	Trace	0·0
	Dovercourt ...	roc	doc	45	54	0·1	0·3	0·0
	Lowestoft ...	cbcc	cir	45	55	0·1	0·6	0·3
	Skegness ...	r.cc	o	42	54	0·1	Trace	0·0
	Mablethorpe	cir.oc	cr.or	43	55	1	Trace	0·4
	Cleethorpes ...	or	or	40	55	1	0·3	0·0
3	Leamington S.	orc	co	48	56	3	1	0·0
4	Cheltenham†	oir.	ocoir	46	55	4	1	0·0
5	Bath	cir	cir	49	55	4	2	0·0
	Weymouth ...	ir	ir	46	53	6	3	0·0
	Jersey ...	rcbc	bccd	51	54	Trace	0·2	2·3
	Torquay ...	ordpq	op	52	54	16	3	0·0
	Penzance ...	crir	c	51	54	6	0·3	0·0
	St. Ives ...	o	c	52	53	15	-	0·0
	Bude	oro	c	53	53	8	0·3	0·0
	Ilfracombe ...	rror	cor	52	57	12	0·2	0·0
6	Aberystwyth	orrc	cprc	46	52	4	1	0·0
7	Llandudno ...	c	c	48	53	1	-	0·1
	Colwyn Bay...	cbcbc	ccpbc	50	53	1	1	0·0
	Rhyl	c	cbc	47	54	0·2	-	0·4
8	Wallasey ...	cbc	bc	44	54	Trace	-	0·8
	Southport‖ ...	oc	coep.	48	53	Trace	Trace	0·0
	Blackpool ...	c	c	44	50	-		0·0
	Morecambe ...	idcc	bcbcc	42	52	3	Trace	0·3
9	Ilkley... ...	op	oco	44	53	3	0·3	0·0
	Harrogate ...	cir.	cirb	40	53	0·5	0·1	0·0
10	Berwick-on-T.	ocbc	bc	40	51	3	-	2·5
11	Dunbar ...	bc	bc	42	49	1	-	1·2
12	Troon... ...	rococ	croco	40	49	3	1	0·0
	Douglas ...	cbq	cbq	45	50	7	-	0·4

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Saturday 19th December..... 1936.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:— Clear sky. Sky less than ⅛ clouded. Sky ⅛ to ⅝ clouded. Sky ⅝ to ⅞ clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
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 December, 1936.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Southwest to south winds, becoming strong to gale later; fine today, slight local rain later; rather mild or mild.
5 S.W. England ▼ 6 South Wales ... ▼ 7 North Wales ... ▼ 8 N.W. England ▼ 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man. ▼	Southwest to south winds, strong to gale later; fine at first, occasional rain later; rather mild or mild.
13 {A. W. Scotld. B.N.W.Scotland.} ▼ 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland ▼ 17 N. W. Ireland ▼ 18 N. E. Ireland ▼ 19 S. E. Ireland ▼ 20 S. W. Ireland ▼	Strong southwest to south winds, increasing to gale, severe locally; occasional rain; rather mild.

GENERAL INFERENCE.

Pressure is high over Southern France and a deep depression in mid-Atlantic is moving quickly northeast. Weather will be fine or fair today over most of England and Wales but rain with renewed southerly gales will extend to other areas and later to all districts.

FURTHER OUTLOOK.

Unsettled.

Times of issue of Gale Warnings.

▼ South cone hoisted at 0300 on 19th in districts 5,6,7,8,12, 13, 16, 17, 18, 19, 20.

Forecasts issued at 1030 G.M.T.

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

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

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

Morning of

SATURDAY
19TH DECEMBER.

1936.

Clarke's Projection Scale 1: 4X10⁷ along meridian 40° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = 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 19th December, 1936.
No. 27421.

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

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	1019·5	+20	SW'W	3	c	48	85	7	-	7	-	0	10	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1020·8	+22	SW	2	c/r	46	95	8	5	-	-	10	10	4000
	Manston ...	142	1020·2	+24	SW'W	2	r.r.	47	85	7	-	2	-	10	10	2500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1017·7	+24	SW	2	0	47	95	7	5	-	-	10	10	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1020·8	+20	WNW	3	0	50	85	8	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1023·1	+24	WSW	5	q	45	85	8	8	-	-	2·3	2·3	2500
	Scilly (St. Mary's)	163	1022·8	+28	W'N	6	bc/pr	47	75	8	2	-	-	2·3	2·3	2500
	Guernsey ..	175	1023·2	+28	NW	3	c	50	95	8	8	-	-	9	9	2500
6	Pembroke ...	142	1017·5	+12	W	6	q	44	85	7	8	2	-	2·3	4·6	2500
7	Holyhead ...	26	1015·1	+22	W'S	5	b	44	75	8	1	-	-	Tr	Tr	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1015·6	+32	WSW	4	bc	43	95	7	-	1	-	0	2·3	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1010·8	+20	WSW	4	b	42	65	7	-	-	-	0	0	-
11	Inchkeith ...	190	1006·8	+20	SW	6	bc	41	95	8	5	-	-	2·3	2·3	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1012·0	+18	W	6	b	42	95	8	2	-	-	1	1	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	997·3	+8	WSW	6	bc/pr	40	85	9	8	-	-	4·6	4·6	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	998·8	+28	SW	4	bc	37	95	8	8	6	-	2·3	4·6	1500
16	Lerwick ...	156	992·9	+22	WSW	5	c/r	40	95	8	8	7	-	4·6	7·8	800
17	Blacksod Point	18	1011·7	+28	WSW	6	q	42	85	7	9	-	-	4·6	4·6	800
18	Malin Head ...	52	1008·2	+36	SW	6	bc/phr	41	95	7	9	-	-	2·3	2·3	800
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1016·9	+14	W'S	6	b	46	85	8	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1026·5	+34	SW	3	z.	42	85	6	5	-	-	Tr	Tr	1500	1	*
	Croydon ...	1026·1	+34	W'S	4	b.	43	85	8	*	-	-	0	0	-	1	*
	S. Farnborough	1026·7	+34	W'S	3	b	41	85	8	-	-	-	0	0	-	1	*
	Boscombe Down	1026·9	+28	W'S	3	b	38	85	8	-	-	-	0	0	-	1	*
	Calshot (Sthmtn.)	1027·2	+38	WSW	3	b	41	85	8	-	4	-	0	Tr	-	1	2
	Lympne ...	1026·6	+34	W'S	3	b	42	85	7	-	3	-	0	Tr	-	1	2
	Manston ...	1025·6	+32	SW'W	3	bc	44	85	7	-	7	-	0	2·3	-	1	*
2	Shoeburyness ...	1025·1	+34	SW	2	b	~~49~~ 44	85	7	-	4	-	0	Tr	-	1	*
	Felixstowe ...																
	Gorleston ...	1022·6	+24	SW'W	3	bc	44	85	6	5	-	-	4·6	4·6	2500	1	2
	Mildenhall ...	1023·6	+26	SW'W	3	b	41	85	8	-	-	-	0	0	-	1	*
	Cranwell ...	1022·5	+36	WSW	4	b	38	85	8	-	3	-	0	Tr	-	1	*
3	Birmingham ...	1024·6	+26	SW	3	b	37	85	8	-	-	-	0	0	-	1	*
	Upper Heyford	1025·6	+30	WSW	4	b	37	95	7	-	-	-	0	0	-	1	*
4	Ross-on-Wye	1024·5	+30	SW'W	3	b	40	85	8	-	-	-	0	0	-	1	*
5	Portland Bill ...	1027·1	+40	W	4	bc	48	75	8	4	-	-	2·3	2·3	2500	2	3
	Plymouth ...	1028·6	+28	-	0	b	44	95	8	5	-	-	Tr	Tr	2500	1	2
	The Lizard ...	1028·7	+20	WSW	5	bc	47	75	8	3	-	-	2·3	2·3	2500	1	3
	Scilly (St. Mary's)	1028·3	+24	W'S	5	b	48	75	8	2	-	-	1	1	2500	1	4
	Guernsey ..	1030·2	+38	NWW	4	bc	48	75	9	8	1	-	2·3	4·6	2500	1	3
6	Pembroke ...	1023·6	+18	W	6	q	48	75	7	8	-	-	4·6	4·6	2500	1	4
7	Holyhead ...	1020·6	+28	W'S	5	b	45	75	8	1	-	-	Tr	Tr	2500	1	3
	Chester (Sealand)	1021·4	+30	SW	3	b	41	75	8	-	-	-	0	0	-	1	*
8	Manchester ...	1021·7	+36	SW'S	3	b	38	85	7	-	4	-	0	Tr	-	1	*
10	Spurn Head ...	1019·8	+26	WSW	5	b	40	95	7	-	1	-	0	1	-	0	4
	Catterick ...	1017·4	+14	WSW	4	b	40	75	7	1	-	-	Tr	Tr	4000	1	*
	Tynemouth ...	1015·8	+24	WSW	3	bc	41	65	7	5	-	-	4·6	4·6	1500	1	2
11	Inchkeith ...	1011·8	+28	SSW	5	bc	40	95	8	5	-	-	2·3	2·3	4000	0	3
	Leuchars ...	1011·2	+20	SW	3	pr.	39	95	6	8	-	-	9	9	1500	1	*
12	Renfrew (Abbotsl.)	1012·7	+22	SW'W	5	bc	41	85	7	2	-	-	2·3	2·3	2500	1	*
	Eskdalemuir ...	1015·6	+16	SW'S	5	c	36	85	8	5	-	-	7·8	7·8	1500	1	*
	Point of Ayre ...	1017·8	+24	W	5	b	42	95	8	2	-	-	1	1	2500	1	3
13A	Tiree																
13B	Stornoway ...	1003·4	+34	WSW	4	bc/phr	37	85	9	3	-	-	2·3	2·3	1500	1	3
15	Dalwhinnie ...	1010·6	+24	SW	5	c	35	85	7	5	-	-	10	10	2500	6	*
	Aberdeen ...	1008·5	+22	SW	4	b	39	75	8	2	4	-	Tr	Tr	2500	1	2
	Wick ...	1003·2	+16	WSW	5	c	36	95	8	8	7	-	4·6	7·8	1500	1	3
16	Lerwick ...	995·7	+8	WSW	8	c	42	75	8	8	-	-	7·8	7·8	800	1	*
17	Blacksod Point	1014·4	+12	SW	5	bc	47	85	8	9	-	-	4·6	4·6	1500	1	4
18	Malin Head ...	1012·4	+38	SW	6	c/phr	43	95	7	8	-	-	9+	9+	1500	1	3
	Aldergrove ...	1016·3	+22	SSW	5	bc	37	85	8	5	-	-	4·6	4·6	1500	1	*
19	Birr Castle ...	1019·7		SW	2	b	39	85	8	-	-	-	0	0	-	1	*
20	Valentia Obsy. †	1022·0	+10	SW'S	5	bc	47	75	8	5	-	-	2·3	2·3	1500	1	4
	Roches Point	1024·3	+16	W	3	bc	43	95	8	5	-	-	2·3	2·3	2500	1	5

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 18th Hrs. (36)
1	London (Kew)	54	42	37	2	-	0·0
	Croydon ...	53	43	39	2	2	0·0
	S. Farnborough	53	41	32	5	0·4	0·0
	Boscombe Down	51	38	32	4	Tr	0·0
	Calshot (Sthmtn.)	52	41	37	1	0·3	0·0
	Lympne ...	53	42	37	0·1	1	0·2
	Manston ...	54	43	38	Tr	1	0·3
2	Shoeburyness ...	54	43	37	1	1·	0·0
	Felixstowe ...						
	Gorleston ...	55	44	40	1	-	0·0
	Mildenhall ...	55	41	37	0·2	-	0·1
	Cranwell ...	55	38	35	0·1	-	0·0
3	Birmingham ...	53	37	34	4	-	0·0
	Upper Heyford	54	36	32	2	-	*
4	Ross-on-Wye	54	40	33	1	0·1	0·0
5	Portland Bill ...	53	46	*	5	-	*
	Plymouth ...	52	43	38	6	1	0·0
	The Lizard ...	52	44	*	3	1	*
	Scilly (St. Mary's)	53	44	*	0·3	1	0·0
	Guernsey ..	55	47	42	2	2	0·1
6	Pembroke ...	53	43	*	0·4	2	0·0
7	Holyhead ...	53	43	40	Tr	-	0·0
	Chester (Sealand)	57	41	32	Tr	-	2·1
8	Manchester ...	56	34	28	0·6	-	0·0
10	Spurn Head ...	51	39	*	1	-	0·1
	Catterick ...	(57)	38	35	0·2	-	1·3
	Tynemouth ...	54	40	34	0·4	-	3·0
11	Inchkeith ...	48	38	36	3	-	1·3
	Leuchars ...	47	35	32	3	5	1·0
12	Renfrew (Abbotsl.)	48	38	35	7	0·4	0·1
	Eskdalemuir ...	49	35	32	7	-	0·0
	Point of Ayre ...	53	41	*	Tr	-	0·4
13A	Tiree						
13B	Stornoway ...	45	37	*	6	2	0·0
15	Dalwhinnie ...	41	32	30	9	~~4~~ 5	0·0
	Aberdeen ...	47	37	33	-	-	2·6
	Wick ...	45	35	*	5	4	*
16	Lerwick ...	51	37	*	0·5	6	0·0
17	Blacksod Point	~~49~~ 47	41	*	4	2	*
18	Malin Head ...	~~48~~ 46	40	*	2	3	1·0
	Aldergrove ...	46	35	32	Tr	-	4·1
19	Birr Castle ...	47	35	31	0·1	3	1·9
20	Valentia Obsy. †	49	~~48~~ 46	36	0·5	2	1·9
	Roches Point	~~48~~ 50	40	*	-	0·4	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	cir. m.	crr cm	cm.	54	42	37	2	-	0·0	*	*	6
Croydon	217	cd. d. dd	odd m. c	cr. Pkc	53	43	39	2	2	0·0	*	*	6
Greenwich (Royal Observatory)...	149	cd.	cd. rd.	d. c bm	53	40	33	3	Tr	0·0	89	83	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	54	41	35	3		0·0	93	85	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	55	41	38	3	Tr	0·0	98	81	*
Camden Square	110	crc	ccr	*	53	41	35	3		*	*	81	*
Kensington	80	cor	bz	*	54	41	32	3	0·1	0·0	93	81	*
Hampstead Observatory	450	or	or	b	53	38	31	2	-	0·0	*	90	*

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

South Kensington.

Max.	Time.	Min.	Time.
0·5	17-20h 18th	<0·3	1-5h 19th

Kew Observatory.

Max.	Time.	Min.	Time.
0·2	17h 18th	<0·1	2-7h 19th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 18th December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 19th December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1022·1	SSW	3	z.	54	1029·3	W	4	ir.	50
Brussels	1019·1	SW	5	c	54	1025·8	W'S	2	r. r.	46
Berlin	1020·9	SW	4	c	50	1021·4	SW	4	c	46
Zürich	1029·4	SE	2	z.	45	1034·3	ESE	1	if	36
Rome						1030·5	NE	2	b	39

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
59	50	-	1
57	45	-	4
52	46	1	-
55	34	-	-
*	*		

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 20th December, 1936.
No. 27422

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

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)	0–9 Visibility (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)	Sunshine 18th Hrs. (36)
1	London (Kew)	1031·0	+10	SW	3	Z_o	47	75	6	-	7	-	0	9	-	0·0
	Croydon ...	1030·8	+10	SW'W	5	c	48	65	6	4	5	-	Tr	7-8	4000	0·0
	S. Farnborough	1031·0	+6	SW'W	4	c	47	75	8	-	-	6	0	7-8	-	0·0
	Boscombe Down	1030·5	+2	SW'W	4	bc	49	65	8	-	-	9	0	4-6	-	0·0
	Calshot (Sthmtn.)	1031·7	+10	SW	4	c	50	75	7	1	-	6	1	7-8	4000	0·0
	Lympne ...	1032·1	+14	WSW	4	bc	47	65	8	-	6	5	0	2-3	-	0·2
	Manston ...	1030·9	+14	WSW	3	b	48	65	8	-	7	-	0	1	-	0·3
2	Shoeburyness ...	1030·4	+16	WSW	3	c	48	75	6	-	3	-	0	7-8	-	0·0
	Felixstowe ...															
	Gorleston ...	1028·6	+10	WSW	3	bc	46	65	6	-	7	-	0	2-3	-	0·0
	Mildenhall ...	1028·8	+14	SW'W	4	c	47	65	7	-	7	-	0	7-8	-	0·1
	Cranwell ...	1026·6	+10	SW	4	Z_o	43	75	6	-	-	6	0	9+	-	0·0
3	Birmingham ...	1027·9	+10	SW	3	bc	45	75	7	7	7	-	2-3	4-6	1500	0·0
	Upper Heyford	1029·6	+8	SW	3	c	44	85	7	5	7	9	2-3	7-8	4000	*
4	Ross-on-Wye	1028·2	+6	SW	4	bc	48	75	7	1	-	8	2-3	4-6	4000	0·0
5	Portland Bill ...	1031·5	+4	WSW	4	c	50	85	8	4	4	-	4-6	9	2500	*
	Plymouth ...	1031·7	+2	WSW	5	bc	51	85	8	8	5	4	2-3	4-6	2500	0·0
	The Lizard ...	1031·9	+6	SSW	5	bc	51	85	8	5	-	4	1	2-3	2500	*
	Scilly (St.Mary's)	1030·8	0	SW'S	5	bc	53	75	7	5	4	3	1	4-6	2500	0·0
	Guernsey ...	1033·4	+6	WNW	3	bc	51	75	7	1	1	-	4-6	4-6	2500	0·1
6	Pembroke ...	1026·2	+8	WSW	7	q	51	85	7	5	6	-	4-6	7-8	2500	0·0
7	Holyhead ...	1023·4	+4	SW'W	6	c	50	75	8	5	-	3	4-6	7-8	1500	0·0
	Chester(Sealand)	1024·6	+12	SSW	4	c	50	65	8	8	7	1	4-6	7-8	1500	2·1
8	Manchester ...	1024·7	+6	SSW	4	bc	46	75	7	5	3	1	2-3	4-6	5700	0·0
10	Spurn Head ...	1024·5	+18	SW	4	c	43	85	6	5	2	-	4-6	9+	2500	0·1
	Catterick ...	1021·7	+6	SW'W	3	c	46	75	8	8	7	9	4-6	9	1500	1·3
	Tynemouth ...	1019·1	+10	WSW	2	c	45	65	6	5	-	-	7-8	7-8	2500	3·0
11	Inchkeith ...	1014·0	+4	SW	6	c	44	85	7	8	5	7	4-6	9	2500	1·3
12	Leuchars ...	1014·2	+6	SW	5	c	43	85	7	8	-	6	4-6	9	1500	1·0
	Renfrew (Abbots I.)	1014·8	-2	SW	5	ir_o	45	85	6	5	2	-	4-6	10	1500	0·1
	Eskdalemuir ...	1017·7	0	SW	6	c	41	85	8	5	-	-	9+	9+	1500	0·0
	Point of Ayre...	1019·6	-8	W'S	6	c	49	85	8	8	6	-	4-6	7-8	1500	0·4
13a	Tiree															
13b	Stornoway ...	1003·2	-26	SSW	7	$r_o r_o$	45	85	7	5	2	-	7-8	10	1500	0·0
15	Dalwhinnie ...	1011·6	-8	SW	5	ir	37	85	6	6	-	-	10	10	1500	0·0
	Aberdeen ...	1012·1	+2	S'W	3	Z_o	40	85	6	5	7	9	1	7-8	1500	2·6
	Wick ...	1007·2	+4	SW	4	c	40	85	8	8	1	-	4-6	7-8	1500	*
16	Lerwick ...	1002·9	+46	WSW	6	c/phr	43	75	8	8	7	6	4-6	7-8	1500	0·0
17	Blacksod Point	1010·7	-34	SW	8	q	50	95	7	9	-	-	10	10	800	*
18	Malin Head ...	1012·1	-30	SSW	6	c	45	95	7	8	-	-	10	10	2500	1·0
	Aldergrove ...	1016·4	-14	S'W	5	c	44	85	7	5	2	-	4-6	10	1500	4·1
19	Birr Castle ...	1019·5	*	WSW	3	c	48	85	8	3	2	-	2-3	10	1500	1·9
20	Valentia Obsy. †	1021·0	-12	SW'S	6	c	52	86	8	6	2	-	7-8	10	1500	1·9
	Roches Point	1024·6	+2	SW	6	c	51	95	8	6	7	-	7-8	10	1500	*

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

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	0–9 Visibility (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1032·4	+8	S'W	3	Z_o	46	85	6	-	4	-	0	2-3	-	1	*
	Croydon ...	1032·3	+8	SSW	4	c	46	85	6	-	3	-	0	7-8	-	1	*
	S. Farnborough	1032·2	+6	S'W	3	bc	44	85	7	-	4	2	0	2-3	-	1	*
	Boscombe Down	1032·1	+10	SSW	4	bc	45	85	7	5	4	9	2-3	4-6	2500	1	*
	Calshot (Sthmtn.)	1033·2	+14	SSW	3	bc	47	85	7	5	4	-	4-6	4-6	4000	1	2
	Lympne ...	1034·2	+10	SW	3	bc	42	85	6	-	3	-	0	4-6	-	1	
	Manston ...	1033·5	+18	SW'S	3	bc	40	85	7	-	-	8	0	2-3	-	1	*
2	Shoeburyness ...	1032·4	+14	WSW	3	c	44	85	8	-	7	-	0	7-8	-	1	*
	Felixstowe ...																
	Gorleston ...	1030·0	+12	SSW	4	bc	44	85	7	-	3	-	0	4-6	-	1	2
	Mildenhall ...	1030·1	+4	SSW	4	c	46	75	7	-	7	-	0	9+	-	1	*
	Cranwell ...	1027·0	0	S'W	4	Z_o	45	85	6	-	7	-	0	10	-	1	*
3	Birmingham ...	1027·4	0	SSW	4	c	46	85	7	5	-	-	9+	9+	2500	1	*
	Upper Heyford	1031·0	+12	SSW	3	c	44	85	7	5	3	-	2-3	9	2500	1	*
4	Ross-on-Wye	1028·1	0	SW	5	c	49	75	8	5	1	-	9	10	2500	1	*
5	Portland Bill ...	1031·8	+10	WSW	4	bc	51	75	8	4	-	-	2-3	2-3	2500	1	3
	Plymouth ...	1031·8	0	SW'S	6	b	50	85	7	5	-	8	Tr	1	1500	1	3
	The Lizard ...	1032·0	0	S	5	bc	49	95	8	3	-	-	2-3	2-3	2500	1	3
	Scilly (St.Mary's)	1030·1	-4	SW'S	5	bc	50	85	8	5	-	3	1	2-3	2500	1	3
	Guernsey ...	1034·5	+6	W'S	2	bc	49	85	8	1	-	-	4-6	4-6	2500	1	3
6	Pembroke ...	1026·3	0	SW'W	8	q	51	85	7	5	-	-	9	9	2500	1	4
7	Holyhead ...	1020·8	-6	SW	7	c	51	85	7	5	2	-	4-6	10	1500	1	3
	Chester(Sealand)	1023·3	-6	SSW	5	c	51	75	8	5	-	-	9	9	4000	1	*
8	Manchester ...	1023·7	-4	SSW	3	c	47	85	7	5	7	-	7-8	10	2500	1	*
10	Spurn Head ...	1024·6	0	S'W	5	c	43	95	7	5	2	-	4-6	10	2500	0	4
	Catterick ...	1020·9	-6	S'W	4	pr_o	46	85	7	8	-	-	9+	9+	1500	1	*
	Tynemouth ...	1018·9	-4	SW	3	ir_o	47	85	7	3	-	-	10	10	800	1	2
11	Inchkeith ...	1010·7	-20	SW	6	ir_o	47	95	8	5	1	-	4-6	10	4000	1	4
12	Leuchars ...	1010·1	-28	SW	5	$r_o r_o$	46	85	7	6	2	-	7-8	10	800	1	*
	Renfrew (Abbots I.)	1010·1	-24	SW'S	6	rr	48	85	6	5	-	-	10	10	800	1	*
	Eskdalemuir ...	1013·6	-26	SW'S	8	rr	44	95	6	6	2	-	7-8	10	1500	1	*
	Point of Ayre...	1016·2	-20	WSW	7	c	51	85	8	8	2	-	4-6	10	1500	1	3
13a	Tiree																
13b	Stornoway ...	992·7	-30	SSW	9	rr	49	95	6	5	-	-	10	10	1500	1	6
15	Dalwhinnie ...	1006·9	-48	S	9	RR	42	95	6	6	-	-	10	10	1500	1	*
	Aberdeen ...	1007·7	-32	SSW	5	c	45	85	7	5	7	-	2-3	9+	800	1	2
	Wick ...	1000·7	-50	SW	5	ir_o	45	95	8	5	1	-	4-6	7-8	1500	1	3
16	Lerwick ...	999·1	-36	S	7	ir	43	95	6	9	2	-	9	10	800	1	*
17	Blacksod Point	1006·4	-18	S	9	q	53	85	7	9	-	-	10	10	800	1	9
18	Malin Head ...	1005·8	-40	SSW	6	rr	49	95	7	6	2	-	7-8	10	800	1	4
	Aldergrove ...	1012·1	-26	S'W	7	ir_o	49	75	7	6	2	-	9+	10	800	1	*
19	Birr Castle ...	1016·6	*	WSW	4	c	51	75	8	6	2	-	4-6	10	1500	1	*
20	Valentia Obsy. †	1019·0	-6	SW'S	7	c	52	75	8	6	2	-	9	10	1500	1	5
	Roches Point	1022·8	-6	SW	7	ir_o	51	95	8	6	2	-	7-8	10	1500	1	5

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. ...19th. (37)	Weather. 13h.—18h. ...19th. (38)	Weather. 18h.–1h. 19th.–20th. (39)	Weather. 1h.—7h. 20th. (40)
1	London (Kew)	$bm_o cm_o$	cbcz$_o$	bcc	c
	Croydon ...	$bwm_o fz_o$	cbcz$_o$	bccbcb	bcwcbcw
	S. Farnborough	bb,c	cbcb	bbc	bcc
	Boscombe Down	bbc	bc	bcb	bbc
	Calshot (Sthmtn.)	bwc	cbc	bcbw	bwbc
	Lympne ...	b	bbcbm$_o$	bcwbm$_o$	bwbcw
	Manston ...	b	bbc	bcbq	bq,bc
2	Shoeburyness ...	$bm_o bcm_o$	$m_o$bc	bcc	cpbc
	Felixstowe ...				
	Gorleston ...	~~bz~~bc	bc	coq	cq
	Mildenhall ...	b,c	cbcc	cbc	bc
	Cranwell ...	bbcz$_o$	cz$_o$m$_o$	cm$_o$	cbc
3	Birmingham ...	bc	bcc	c	cbc
	Upper Heyford	b,c	cbcc	cbcc	cbc
4	Ross-on-Wye	bbc	bcc	c	c
5	Portland Bill ...	bcc	cbc	bcc	c
	Plymouth ...	bpr_obc	bccbc	bbc	bcc
	The Lizard ...	bc	bc	bcq	bccq
	Scilly (St.Mary's)	bbc	bc	bcb	bbcc
	Guernsey ...	bc	bccbc	bcbw	bwbc
6	Pembroke ...	bccq	cqm$_o$	cbcq	bccq
7	Holyhead ...	b,c	c	c	c
	Chester(Sealand)	bbc	bcc	c	c
8	Manchester ...	$bxbm_o$	bcc	cbc	bc
10	Spurn Head ...	bcc	c	cq	c
	Catterick ...	$bcpr_o$c	pr_ocpr_o	pr_oprc	c
	Tynemouth ...	bcc	cbcir_o	ir_ocq	cq
11	Inchkeith ...	bcc	cir_o	irc	cq
12	Leuchars ...	cpr_ob,c	bc,$cr_o r_o$	cr_obcq	bcq
	Renfrew (Abbots I.)	bcccr_o	rr_orrc	rrm$_o$c	cr_oid$_o$m
	Eskdalemuir ...	c	ccr	crrm$_o$	$cr_o r_o$
	Point of Ayre...	bcc	co.	opr_oo	p
13a	Tiree				
13b	Stornoway ...	bccr$_o$	crr	crrr$_o$r	$cr_o r_o$
15	Dalwhinnie ...	cir	crr	•	crr
	Aberdeen ...	bbc	bcc	ir_ocq	cq,bc
	Wick ...	cprc	cir_o	cir_oc	c
16	Lerwick ...	cphr	cpr,qir	crrm$_o$q	cq
17	Blacksod Point	prcq	iRdp	PRcqp	PRcq
18	Malin Head ...	c	qrr	c	cpr
	Aldergrove ...	bbcc	$cr_o r_o$	cir_oc	cid_oc
19	Birr Castle ...	bbcc	c	c	c
20	Valentia Obsy. †	bcc	c	c	ccpr$_o$
	Roches Point	bcc	cir_o	cir_oc	civ_o

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, fog over sea (coast station).
fg, 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/s$_o$, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity; thus R, heavy rain. r$_o$, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⁄gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; + has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo–stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

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

† Sea disturbance reported from Dungeness.

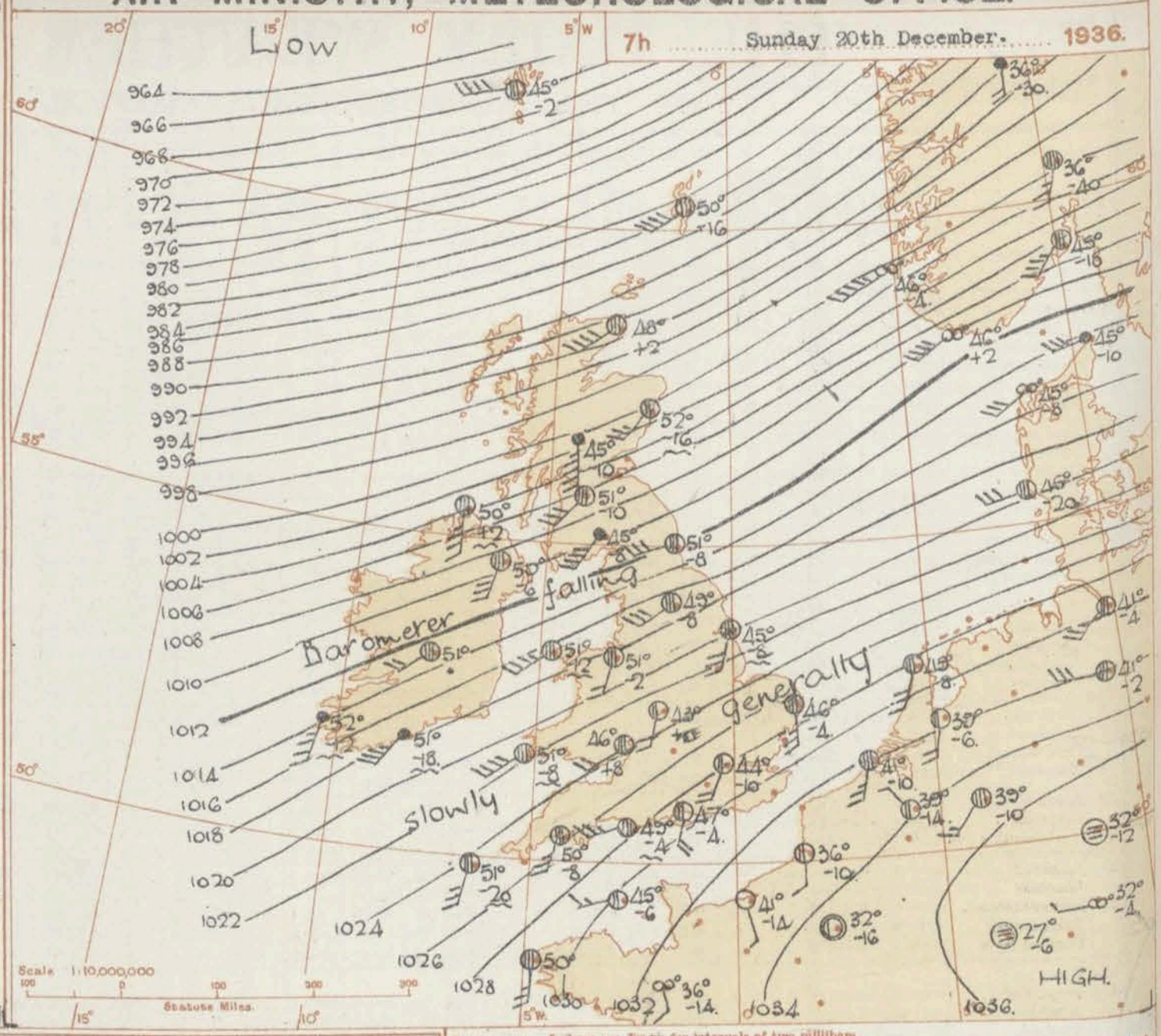
REPORTS from HEALTH RESORTS for ...December 19th..... 1936.

Division	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F°). Min. 9h. 18th to 9h. 19th.	Temperature (F°). Max. 9h.—17h. 19th.	Rainfall (mm). Night. 17h. 18th to 9h. 19th	Rainfall (mm). Day. 9h.—17h. 19th.	Sunshine (hrs). Sunrise to Sunset. 19th.
1	Tunbridge W.	b	bbcb	39	48	2	-	5·9
	Bournemouth	b	b	40	50	0·3	-	5·5
	Ventnor ...	ormb	cbc	44	52	2		5·4
	Southsea ...	b	b	43	51	0·5	-	4·7
	Bognor Regis	b	bcbc	43	50	1	-	4·2
	Littlehampton	bbc	bc	41	50	1	-	4·0
	Worthing ...	b	bbc	41	51	1	-	5·1
	Brighton ...	dc	cbbc	39	50	1	-	3·8
	Eastbourne†	b	b	43	51	2	-	6·0
	Hastings† ...	b	bbc	42	52	1	-	6·1
	Folkestone ...	bmb	b	42	49	1	-	6·2
	Dover... ...	b	b	44	49	1	-	6·5
	Deal	b	b	43	48	1	-	6·4
	Ramsgate ...	b	b	43	50	1	-	6·5
	Margate ...	bc	bc	44	50	Trace	-	6·2
2	Southend ...	b	bbc	40	49	1	-	5·5
	Maldon ...	bc	b	42	47	2	-	4·0
	Clacton-on-Sea	b	bbc	40	46	3	-	4·7
	Dovercourt ...	bv	bc	41	47	1	-	6·0
	Lowestoft ...	b	b	40	47	0·1	-	6·0
	Skegness ...	b	bcc	*	45	*	-	3·6
	Mablethorpe	bbc	bcc	37	43	-	-	3·3
	Cleethorpes ...	bc	bco	37	44	-	-	2·7
3	Leamington S.	bbc	bcc	35	48	-	-	3·0
4	Cheltenham†	bbcc	cbcc	38	48	-	-	4·9
5	Bath	bbc	bbcc	38	49	1	-	3·4
	Weymouth ...	b	b	44	53	0·2	-	5·3
	Jersey ...	dcbc	bcb	48	53	2	-	4·7
	Torquay ...	wb	b	39	53	1	-	5·6
	Penzance ...	b	b	42	53	2	-	6·5
	St. Ives ...	b	b	42	52	5	-	5·7
	Bude	b	b	47	51	-	-	5·2
	Ilfracombe ...	cor	oc	45	51	0·5	-	0·0
6	Aberystwyth	prcbc	bcc	43	50	1	-	2·7
7	Llandudno ...	b	bbcc	43	52	-	-	3·8
	Colwyn Bay...	bcbcb	bcc	41	51	-	-	3·6
	Rhyl	b	bccd	41	50	Trace	Trace	4·5
8	Wallasey ...	b	bbcc	39	54	-	-	4·7
	Southport‖ ...	bc	bcc	42	50	0·2	-	3·8
	Blackpool ...	cbc	bcc	43	48	0·4	-	3·8
	Morecambe ...	bcbbc	bcc	42	49	-	-	3·5
9	Ilkley... ...	c	c	37	44	2	-	0·5
	Harrogate ...	bbcp	bbcc	38	46	2	Trace	0·7
10	Berwick-on-T.	bcbbc	cbco	38	47	-	Trace	3·1
11	Dunbar ..	bc	bcv	39	47	0·3	Trace	2·8
12	Troon... ...	cbcbc	cro	40	51	1	1	0·0
	Douglas ...	bcbcb	cbcd	40	50	-	Trace	1·6

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Sunday 20th December. ..... 1936.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 20th December, 1936.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Moderate to fresh southwest wind; fair; rather mild.
5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England	Fresh to strong southwest wind, gale at times on coasts; mainly fair apart from local coastal drizzle; mild.
9 N. Midlands ...	As 1 - 4.
10 N.E. England 11 S.E. Scotland	Strong southwest wind, gale at times on coasts; cloudy, slight drizzle locally; mild.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Strong to gale southwesterly wind; cloudy and mild with occasional rain or showers at first, becoming colder with local hail showers later.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:— Clear sky. Sky less than ⅛ clouded. Sky ⅛ to ⅝ clouded. Sky ⅝ to ⅞ clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

Pressure is high over Central Europe, and a deep depression east of Iceland is moving northeast. Weather will be mainly fair in the south and east, but local showers will occur in the north and west.

FURTHER OUTLOOK.

Fair in the southeast, local showers of rain or hail in the northwest.

Times of issue of Gale Warnings.

- South Cone hoisted at 0300 on 19th in districts 5,6,7, 8,12,13,16,17,18,19,20.
- South Cone hoisted at 1525 on 19th in districts 2,10, 11 and 15.

Forecasts issued at 1200 G.M.T.

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

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

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

Morning of

SUNDAY
20th DECEMBER,

1936.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = 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 20th December, 1936.
No. 27422

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1030·7	-10	SW	5	b	46	85	8	5	4	-	Tr	1	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1033.0	-8	SW	5	b	44	85	6	-	-	-	0	0	-
	Manston ...	142	1031·8	-10	SW	5	q	46	85	8	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1028.2	-12	SSW	5	0	44	95	7	6	-	-	10	10	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1030·0	-16	WSW	5	c	50	85	8	4	-	7	9	9	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1029·5	-12	S	7	bc	49	75	8	8	-	-	4·6	4·6	2500
	Scilly (St. Mary's)	163	1027.6	-10	SSW	6	b	49	85	8	-	-	-	0	0	-
	Guernsey ...	175	1032·9	-16	SW	4	b	47	85	8	-	-	-	0	0	-
6	Pembroke ...	142	1023.4	-6	SW	5	q	50	85	7	8	6	-	2-3	4·6	2500
7	Holyhead ...	26	1017·8	-18	SW	7	c	51	75	7	5	2	-	7·8	10	800
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1021·6	+4	SSW	6	q	46	85	8	5	2	-	4·6	10	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1014.1	-16	WSW	6	q	50	75	7	5	1	-	5	5	1500
11	Inchkeith ...	190	1007·4	-12	S	7	c	50	85	8	5	2	-	4·6	9	4000
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1014·7	-4	SW	7	c	51	95	8	8	-	-	10	10	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	989·3	-20	SW	9	r$_o$r$_o$	51	95	6	5	-	-	10	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	994·1	-20	SW	8	c	49	95	8	5	2	-	7·8	10	1500
16	Lerwick ...	156	989·7	-16	S	8	rr	49	95	6	6	2	-	9	10	800
17	Blacksod Point	18	1005·5	-16	S	9	Q	50	95	7	9	-	-	10	10	800
18	Malin Head ...	52	1002.6	-10	S	6	c	52	95	7	8	-	-	9+	9+	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1013·5	-10	SW	7	ir$_o$	52	95	7	6	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
1028.4	-10	SSW	4	c	45	85	7	5	-	-	9+	9+	1500	1	*
1028.4	-10	SSW	4	c	44	85	8	-	4	2	0	7·8	-	1	*
1028.2	-4	SW'S	3	c	45	85	8	5	-	2	7·8	7·8	2500	1	*
1027·8	-10	SSW	4	bc	49	85	8	5	-	-	4·6	4·6	2500	1	*
1028.9	-4	SSW	4	bc	47	85	8	5	4	-	4·6	4·6	2500	1	3
1030·8	-14	SSW	4	c	43	95	6	5	7	-	4·6	7·8	2500	1	§4
1029.7	-10	SSW	4	bc	43	85	8	-	7	-	0	2·3	-	1	*
1029.0	-6	S'W	3	bc	44	85	8	-	7	-	0	4·6	-	1	*
1025·9	-4	S	5	c	46	85	8	5	-	-	7·8	7·8	2500	1	3
1025·8	-6	SSW	5	bc	45	85	7	-	3	5	0	2·3	-	1	*
1022.4	-12	SSW	6	c	45	75	7	5	-	-	7·8	7·8	2500	1	*
1023.1	0	SSW	4	bc	43	85	8	-	-	2	0	4·6	-	1	*
1026.2	-12	SW	4	bc	43	85	7	5	7	2	4·6	4·6	1500	1	*
1024·2	-8	SW	4	c	46	75	8	5	-	-	9	9	2500	1	*
1027.2	-4	WSW	5	c	49	85	8	4	-	-	9	9	2500	1	4
1027·2	-8	SSW	5	c	50	75	8	5	2	-	7·8	10	1500	1	3
1026.1	-6	S'W	6	c	50	85	8	8	-	-	10	10	1500	1	4
1024.5	-20	SSW	6	c	51	75	7	5	-	-	10	10	2500	1	4
1031·2	-6	WSW	3	bc	45	85	5	1	1	-	2·3	4·6	2500	1	3
1020·7	-8	SW'W	8	q	51	85	7	8	-	-	9	9	2500	1	5
1016·7	-12	SW	7	c	51	75	7	5	2	-	4·6	10	2500	1	4
1019·4	+2	SSW	4	c	51	65	7	5	-	-	9	9	2500	1	*
1019.6	-6	SW'S	5	bc	48	65	7	5	3	6	2·3	4·6	2500	1	*
1020.4	-8	SSW	6	c	45	85	8	5	2	-	4·6	7·8	2500	0	·5
1015·6	-8	SW	6	c	49	75	7	8	-	-	9+	9+	1500	1	*
1011·9	-8	WSW	6	c	51	75	7	9	-	-	7·8	7·8	800	1	3
1003.1	-8	SSW	8	c	50	95	8	5	-	-	7·8	7·8	2500	0	5
1004·1	-8	SW	7	q	50	85	7	5	-	-	4·6	4·6	1500	1	*
1005·7	-10	S'W'S	6	id$_o$	51	75	6	5	-	-	10	10	2500	1	*
1009.3	-8	SW'S	8	r$_o$r$_o$	45	95	6	6	-	-	10	10	800	1	*
1012.1	-20	SWW	6	c	50	95	8	9	-	-	9	9	1500	1	4
989·7	+20	SW	8	c	51	75	7	5	7	-	7·8	9+	1500	1	5
1001·4	-10	S	9	RR	45	95	6	6	-	-	10	10	1500	1	*
998·9	-16	SW'S	8	bc	52	65	7	5	-	-	4·6	4·6	2500	1	2
992.2	+2	SW	8	c	48	95	8	5	6	-	4·6	7·8	1500	1	4
985·4	-16	SW	8	c	50	85	7	8	2	-	7·8	9+	800	1	*
1003·0	-10	S	9	Q	52	95	7	9	-	-	10	10	800	1	7
1001.6	+2	S	7	c	50	95	7	9	-	-	10	10	1500	1	4
1008.3	-6	SSW	6	c/d	50	75	7	5	2	-	9+	10	800	1	*
1012.0		SW	4	c	51	75	8	6	2		4·6	10	1500	1	*
1013.2	-12	SSW	7	pr$_o$	52	95	8	5	-	-	10	10	1500	1	5
1017·0	-18	SW	7	ir$_o$	51	95	8	6	-	-	10	10	1500	1	5

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 19th. Hrs. (36)
1	London (Kew)	47	45	41	-	-	3.5
	Croydon ...	49	47	40	-	Tr	4.2
	S. Farnborough	47	43	38	-	-	3.9
	Boscombe Down	49	43	40	-	-	5.4
	Calshot (Sthmtn.)	51	46	43	-	-	4.6
	Lympne ...	47	41	35	-	0.1	6.5
	Manston ...	49	39	35	-	Tr	6.7
2	Shoeburyness ...	49	43	35	-	Tr	5.2
	Felixstowe ...						
	Gorleston ...	47	43	39	-	-	6.2
	Mildenhall ...	47	45	42	-	-	3.9
	Cranwell ...	45	45	42	-	-	2.4
3	Birmingham ...	47	43	38	-	-	4.6
	Upper Heyford	48	43	39	-	-	*
4	Ross-on-Wye	49	45	41	-	-	4.0
5	Portland Bill ...	52	48	*	-	-	*
	Plymouth ...	53	49	47	Tr	-	4.8
	The Lizard ...	52	48	*	-	-	*
	Scilly (St. Mary's)	53	45	*	-	-	6.3
	Guernsey ...	52	45	39	-	-	5.0
6	Pembroke ...	52	49	*	-	Tr	2.6
7	Holyhead ...	51	50	48	-	-	3.2
	Chester (Sealand)	51	50	46	-	-	4.4
8	Manchester ...	48	47	43	-	-	3.8
10	Spurn Head ...	49	43	*	-	-	3.0
	Catterick ...	47	44	44	Tr	0.5	1.8
	Tynemouth ...	47	46	40	Tr	Tr	0.3
11	Inchkeith ...	48	46	45	0.2	0.2	2.5
	Leuchars ...	46	45	44	1	0.1	1.7
12	Renfrew (Abbots I.)	48	47	46	4	8	0.8
	Eskdalemuir ...	44	44	43	6	16	1.1
	Point of Ayre...	51	50	*	-	0.1	1.6
13A	Tiree	49	47	*	9	6	0.0
13B	Stornoway ...	42	42	35	9	16	0.0
15	Dalwhinnie ...						
	Aberdeen ...	45	45	44	-	Tr	2.4
	Wick ...	45	44	*	0.3	1	*
16	Lerwick ...	48	48	*	2	4	0.2
17	Blacksod Point	53	49	*	2	9	*
18	Malin Head ...	51	47	*	5	1	0.0
	Aldergrove ...	50	48	46	Tr	Tr	0.0
19	Birr Castle ...	51	49	48	-	-	1.3
20	Valentia Obsy. †	53	51	48	-	0.2	0.0
	Roches Point	52	51	*	0.5	0.5	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day mm.	Rainfall. Night mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity. 15h. G.M.T % (Yesterday.)	Humidity. 9h. G.M.T % (To-day.)	Visibility 9h.
Kew...	18	bm$_o$cm$_o$	cbcz$_o$	bcc	47	45	41	-	-	3.5	•	•	7
Croydon	217	bwm$_o$cz$_o$	cbcz$_o$	bccwcbz	49	47	40	-	Tr	4.2	•	•	6
Greenwich (Royal Observatory)...	149	b	c	bc	47	43	36	-	-	3.4	78	87	5
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	1.6	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	49	41	41	—		3.1	74	81	•
Regents Pk. (Botanic Gardens)‡...	168	•	•	•	48	41	39	Tr	Tr	2.0	77	82	•
Camden Square	110	b	bbc	•	48	45	39	-	-	•	•	82	•
Kensington	80	bc	bbc	•	48	45	37	-	-	2.7	At 18h. 81	80	•
Hampstead Observatory	430	b	bc	bc	47	42	35	-	-	2.9	•	85	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0.6	16-18h 19th	0·1	1-2h 20th

Kew Observatory. Max.	Time.	Min.	Time.
0.2	14h 19th	<0.1	0-7h 20th

FOREIGN OBSERVATIONS.

18h. G.M.T. 19th December. 7h. G.M.T. 20th December.

Stations	18h. Barom. mb.	18h. Wind. Direc.	18h. Wind. Force.	18h. Weather.	18h. Temp. °F.	7h. Barom. mb.	7h. Wind. Direc.	7h. Wind. Force.	7h. Weather.	7h. Temp. °F.
Paris	1038.1	-	0	2$_o$	43	1034·9	-	0	2$_o$	32
Brussels	1036.1	WSW	2	b	41	1033.0	SSW	2	bc	37
Berlin	1029.0	W	4	b	45	1034.4	SW	4	2$_o$	38
Zürich	1029.0	WNW	2	s/r	45	1036.6	N	1	f	34
Gore	1020.5	ENE	2	b	52	1029.0	NE	3	F	41

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
52	32	Tr	-
48	37	2	2
50	34	2	0·1
•	•	1	0·2
,	,	-	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 surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2¼ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

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

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

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 21st December, 1936.
No. 27423

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

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	-14	SSW	4	c	49	75	7	7	-	-	7-8	7-8	2500
	Croydon ...	1026·5	-14	SW'W	4	c	48	75	6	5	-	-	7-8	7-8	2500
	S. Farnborough	1026·2	-14	SW'S	4	c	48	75	8	5	-	-	9	9	2500
	Boscombe Down	1026·0	-12	SSW	4	c	48	75	8	5	-	-	10	10	2500
	Calshot (Sthmtn.)	1027·3	-12	SSW	4	c	49	85	7	5	3	-	7-8	9	2500
	Lympne ...	1029·7	-10	SW	5	c	47	75	8	5	-	1	7-8	7-8	1500
	Manston ...	1027·9	-18	SW'S	5	bc	48	75	8	5	-	1	4-6	4-6	800
2	Shoeburyness ...	1027·0	-18	SSW	5	bc	49	75	8	5	-	-	2-3	2-3	2500
	Felixstowe ...														
	Gorleston ...	1024·7	-10	SSW	6	bc	48	75	6	-	-	8	0	2-3	-
	Mildenhall ...	1024·5	-14	SW'S	4	c	50	65	7	5	-	-	7-8	7-8	2500
	Cranwell ...	1021·3	-6	SW	5	c	48	75	7	5	-	-	9+	9+	2500
3	Birmingham ...	1021·7	-10	SSW	5	c	48	75	7	5	-	-	9	9	2500
	Upper Heyford	1024·3	-10	SW	5	q	48	75	8	5	-	-	10	10	2500
4	Ross-on-Wye	1022·0	-10	SSW	4	c	50	75	8	5	-	-	10	10	2500
5	Portland Bill ...	1025·1	-16	SW	5	c	50	95	8	4	-	-	9	9	2500
	Plymouth ...	1024·6	-18	S'W	6	id$_o$	50	95	6	6	-	-	10	10	800
	The Lizard ...	1023·5	-18	S'E	6	c	51	95	7	5	-	-	9+	9+	2500
	Scilly (St. Mary's)	1022·1	-14	SSW	6	c	52	95	7	8	-	-	10	10	2500
	Guernsey ...	1028·7	-14	SW	2	c	47	85	7	8	-	-	10	10	2500
6	Pembroke ...	1018·8	-6	SW'S	7	q	51	95	7	5	2	-	7-8	9+	2500
7	Holyhead ...	1014·4	-20	SW'S	7	c	51	75	7	5	-	-	9+	9+	450
	Chester (Sealand)	1019·1	-2	S'W	5	c	54	65	8	5	7	-	7-8	9+	2500
8	Manchester ...	1018·3	-14	SW'S	6	c	51	65	7	5	-	9	7-8	9	4000
10	Spurn Head ...	1018·9	-6	SW'S	6	c	47	75	7	5	7	-	4-6	7-8	1500
	Catterick ...	1015·0	-4	SW'W	5	c	50	65	8	8	-	6	9	9+	2500
	Tynemouth ...	1011·0	-6	SW	8	c	51	75	7	9	-	-	7-8	7-8	1500
11	Inchkeith ...	1004·3	+4	SW	8	c	50	95	8	8	3	-	4-6	9	2500
	Leuchars ...	1004·2	-10	SW	7	q	51	75	8	5	-	-	9+	9+	1500
12	Renfrew (Abbots I.)	1004·6	+2	SSW	7	o/d	51	75	6	5	-	-	10	10	1500
	Eskdalemuir ...	1009·1	-6	SW'S	8	r$_o$r$_o$	45	85	5	6	-	-	10	10	800
	Point of Ayre ...	1011·8	-6	SW'W	7	c	52	85	8	9	-	-	9	9	1500
13A	Tiree														
13B	Stornoway ...	992·6	+4	SW	8	c	49	65	8	8	7	-	7-8	9+	1500
15	Dalwhinnie ...	*	-8	S	9	RR	46	85	6	6	-	-	10	10	1500
	Aberdeen ...	999·6	-2	SW'S	6	c	52	75	7	5	-	9	7-8	7-8	1500
	Wick ...	996·3	+14	W	4	c	46	75	8	5	7	8	4-6	9	1500
16	Lerwick ...	989·6	+18	WSW	8	c/pr	47	85	7	8	2	-	7-8	10	800
17	Blacksod Point	1005·2	+10	W	4	DR	48	95	7	6	-	-	10	10	800
18	Malin Head ...	1002·9	+8	WSW	5	rr	47	95	6	9	-	-	10	10	800
	Aldergrove ...	1007·6	-6	SSW	3	c	51	75	8	5	-	-	10	10	1500
19	Birr Castle ...	1011·2	*	SW	3	c	52	75	8	5	2	-	4-6	10	2500
20	Valentia Obsy. †	1011·7	-10	SW'S	7	dd	51	95	6	5	-	-	10	10	1500
	Roches Point	1015·2	-18	SW	7	c	52	95	7	6	-	-	10	10	1500

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

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)
1025·0	-2	SSW	4	c	47	85	7	5	-	-	10	10	2500	1	*
1025·1	-2	SSW	4	c	46	85	7	5	-	-	9+	9+	2500	1	*
1025·5	0	SSW	4	l r$_o$	46	85	7	5	-	-	10	10	1500	1	*
1024·6	-2	S'W	4	r$_o$r$_o$	46	95	6	6	-	-	10	10	1500	1	*
1025·5	-4	S	4	c	48	95	8	5	-	-	9+	9+	2500	1	*
1027·5	-4	SW'W	4	bc	41	85	7	5	-	-	4-6	4-6	1500	0	3
1026·8	-4	SW	4	bc	41	85	8	5	-	-	2-3	2-3	1500	1	4
1025·8	-6	SSW	5	bc	45	85	8	-	7	-	0	2-3	-	1	*
1023·7	-2	S'W	4	c	45	85	6	5	-	-	9+	9+	2500	1	3
1023·4	0	SSW	4	c	48	75	7	5	-	-	10	10	2500	1	*
1019·7	-4	SW'S	5	c	49	75	7	5	-	-	9	9	4000	1	*
1020·3	-2	SSW	4	c	47	85	8	5	-	-	9+	9+	2500	1	*
1023·2	+2	SSW	4	c	47	85	7	5	-	-	9+	9+	2500	1	*
1020·6	-6	SW'S	3	c	50	85	7	5	-	-	9+	9+	2500	1	*
1024·1	-4	SSW	5	c	50	95	7	5	-	-	10	10	2500	1	4
1023·1	-4	S'W	6	c	51	95	7	5	2	-	9+	10	800	1	3
1022·1	-2	S	6	c	51	95	7	8	6	-	4-6	7-8	2500	1	4
1020·7	0	SSW	5	c	51	95	7	5	-	-	7-8	7-8	2500	1	4
1027·0	-4	SW	3	c	48	85	7	8	-	-	7-8	7-8	2500	1	3
1017·5	0	SW	6	q	51	95	7	7	8	-	7-8	10	2500	1	4
1014·6	+2	SW	5	bc	51	85	7	7	-	-	4-6	4-6	2500	1	3
1016·5	-8	S	5	bc	53	65	8	5	-	-	4-6	4-6	4000	1	*
1017·3	0	SW'S	3	c	51	65	7	5	-	-	10	10	2500	1	*
1017·9	0	SSW	5	c	48	75	7	5	7	-	4-6	9+	1500	0	4
1013·3	-2	SW	5	bc	50	65	8	8	6	-	2-3	4-6	2500	1	*
1010·2	-6	WSW	7	bc	50	65	7	2	-	-	2-3	2-3	1500	1	3
1004·1	-4	SW	8	c	50	95	8	5	-	-	9+	9+	2500	0	5
1004·4	+6	SW	6	q	51	85	7	5	-	-	10	10	1500	1	*
1006·3	+20	WSW	5	RR	48	95	5	6	2	-	10	10	800	1	*
1009·0	+4	SW'S	7	rr	45	95	6	6	-	-	10	10	800	1	*
1011·2	+4	SW'W	6	c	51	95	8	8	-	-	10	10	1500	1	4
994·5	+12	SW	8	c	47	65	8	8	7	-	7-8	9	1500	1	4
1003·6	+18	S	5	rr	40	85	6	6	-	-	10	10	1500	1	*
1002·4	+24	SW	5	c	52	75	7	5	-	-	9+	9+	1500	1	3
996·2	0	SW	5	c	46	75	8	5	7	1	4-6	7-8	1500	1	3
991·2	+10	WSW	8	c/r	46	95	7	8	8	-	7-8	9	800	1	*
1007·4	+10	W	3	ir	46	95	7	6	-	-	10	10	800	1	3
1005·0	+16	SW	4	c	46	95	6	9	2	-	9+	9+	1500	1	4
1007·6	+4	SSW	5	id$_o$	49	95	7	5	-	-	10	10	800	1	*
1010·5	*	SW	3	c	51	85	8	5	2	-	7-8	10	2500	1	*
1010·7	-2	SW'S	7	dd	51	95	5	5	-	-	10	10	800	1	6
1014·6	-2	SW	5	c	51	95	8	5	-	-	9	9	1500	1	5

PAST 24 HOURS.

Weather. 7h.–13h. ...20th. (37)	Weather. 13h.–18h. ...20th. (38)	Weather. 18h. 20th to 1h. 21st. (39)	Weather. 1h.–7h. ...21st. (40)
cbc	bcc	c	cbw
bccbcz$_o$	bccz$_o$	c	cid$_o$b
c	c	ir$_o$cid$_o$	cid$_o$bc
bcc	cir$_o$r$_o$m$_o$	cir$_o$r$_o$r$_o$c	cir$_o$c
bcc	cbcc	c	c
bccm$_o$bc	bccbc	bcwb,c	com$_o$o
cbc	bcbbc	bcbw	bbccw
bccbc	cbcb	b,cb	bwcm$_o$b
cbcq	bccq	bq	bbcw
bc	bcc	cbc,b	bbcw
bcc	c	cbbc	bcb
bc	c	c	c
bcc q	cq	cbc	bc
c	cd$_o$c	id$_o$	c
c	c	c	c
c	c	c	c
cr$_o$did$_o$m$_o$	ocid$_o$m$_o$	c	c
cpr$_o$c	cprc	c	cbcc
c	c	cbcc	bccbc
bc	c	c	co
cq	cqm$_o$Prc	cqid$_o$c	cqDDc
c	cbc	b,cbc	bbc
c	cbc	bc	bcc
bcc	c	cbccpr$_o$	cbcc
c	c	c	c
c	cbc	bcc	cbcb
cq	cbcq	bcq	bc
cq	cq	clr	cir$_o$
bcqcq	cq	cqrc	cbc
d$_o$dr$_o$d$_o$	r$_o$r$_o$mc	cm$_o$rr	cm$_o$r$_o$
cr$_o$r$_o$	r$_o$crr	crr$_o$r	crrd
o	o	o	d$_o$d
cpr$_o$q	cprq	cprq	c
crr	crr	•	rrcbc
bccq	cqc	c	c
cpr$_o$c	c	cbc	bc
cphrq	cirq	cphrq	bcpr$_o$q
IDR	IDRq	Idr	PRc
cir$_o$c	cir$_o$c	c	c
cid$_o$c	cid$_o$	cRrr	crrr$_o$
c	c	cold	old
pr$_o$odd	ir$_o$dd	ddr$_o$	r$_o$r$_o$rr
cir$_o$c	cir$_o$c	cold	oidbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost, y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r$_o$, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ≋gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; + has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo-stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

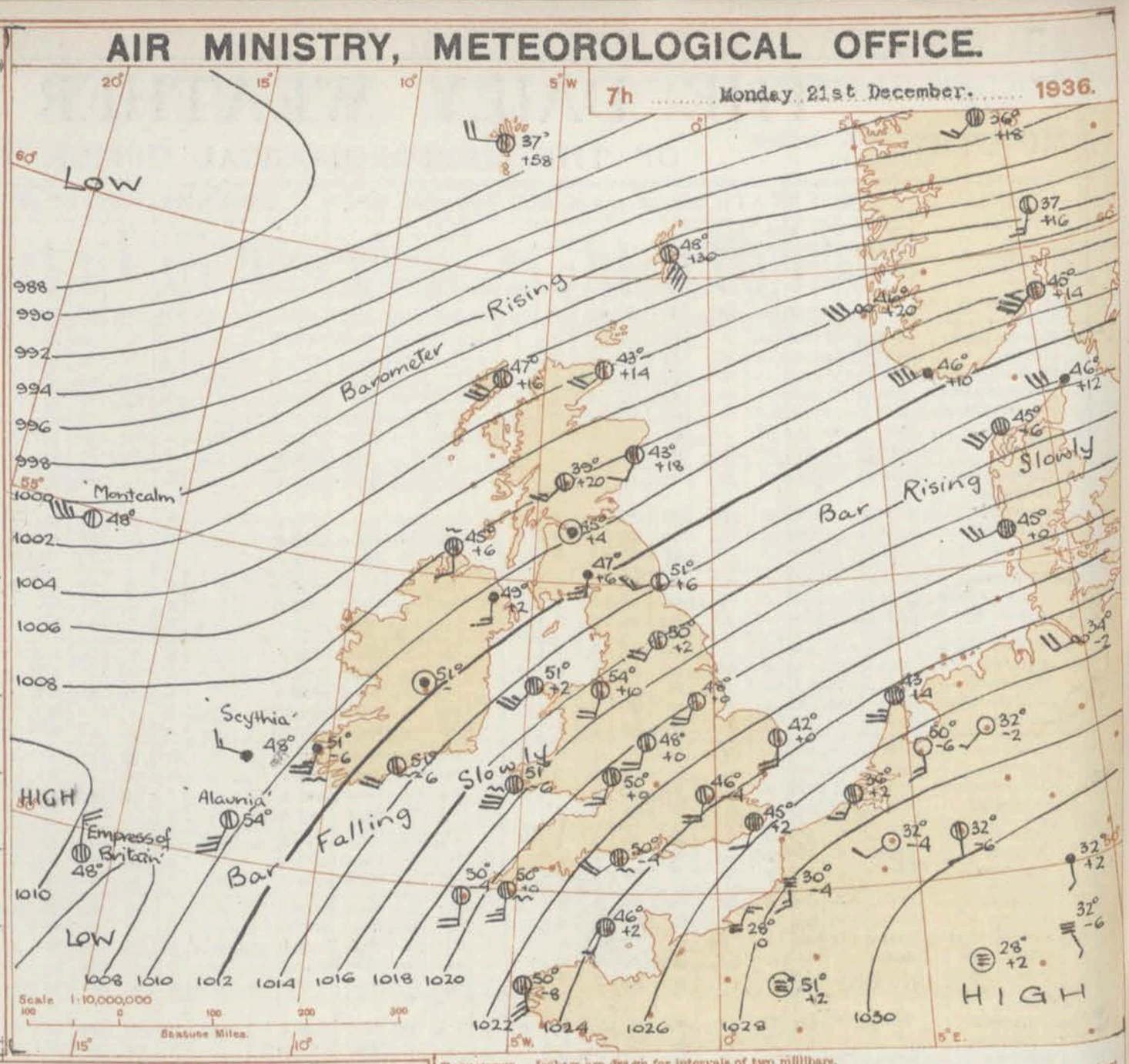
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for December 20th 1936.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F) Min. 9h. 19th to 9h. 20th	Temperature (F) Max. 9h.—17h. 20th.	Rainfall (mm) Night. 17h. 19th to 9h. 20th	Rainfall (mm) Day. 9h.—17h. 20th	Sunshine (hrs) Sunrise to Sunset, 20th
1	Tunbridge W.	bcc	co	39	47	–	–	1·8
	Bournemouth	oco	o	41	50	–	–	0·2
	Ventnor ...	ocbu	ocbo	46	49	–	–	1·9
	Southsea ...	bbcc	c	44	49	–	–	0·8
	Bognor Regis	bbc	bcc	42	49	Trace	–	3·2
	Littlehampton	bc	bcc	41	48	–	–	2·3
	Worthing ...	bbcc	c	41	50	–	–	2·7
	Brighton ...	cbc	cbc	43	48	Trace	–	1·0
	Eastbourne†	b	bbcc	45	48	Trace	–	4·2
	Hastings† ...	bbcc	bcc	45	50	Trace	–	3·9
	Folkestone ...	bbc	bcc	42	48	–	–	4·0
	Dover... ...	bbc	bcc	44	49	–	–	3·6
	Deal	cbcb	coc	43	48	–	–	4·1
	Ramsgate ...	bc	bc	44	48	–	–	4·1
	Margate ...	bc	b	43	49	–	–	5·1
2	Southend ...	b	bbcc	41	49	Trace	–	4·2
	Maldon ...	cb	bco	41	49	–	–	4·8
	Clacton-on-Sea	bc	bcc	40	47	–	–	3·6
	Dovercourt ...	bbcv	bc	41	47	–	–	4·5
	Lowestoft ...	cbcb	bbcc	41	47	–	–	4·2
	Skegness ...	cbcq	bccq	39	48	–	–	1·1
	Mablethorpe	qbc	bcc	40	49	–	–	3·4
	Cleethorpes ...	bc	bcc	38	49	–	–	2·2
3	Leamington S.	bc	bcc	42	51	–	–	1·4
4	Cheltenham†	c	coc	45	51	–	–	0·0
5	Bath	c	c	40	51	Trace	–	0·0
	Weymouth ...	c	c	47	51	–	–	0·0
	Jersey ...	cbc	bcc	43	47	Trace	–	3·7
	Torquay ...	co	olp	45	52	–	–	0·1
	Penzance ...	c	c	49	53	–	–	0·4
	St. Ives ...	c	c	48	53	–	–	0·0
	Bude	c	o	47	53	–	–	0·1
	Ilfracombe ...	oc	o	47	53	–	–	0·0
3	Aberystwyth	c	c	47	52	–	–	0·0
7	Llandudno ...	cbc	bcc	45	55	Trace	–	2·2
	Colwyn Bay...	cbcbc	bcc	46	52	–	–	0·0
	Rhyl	qc	cbcc	44	54	–	–	2·1
8	Wallasey ...	bcc	cbcc	41	52	–	–	0·2
	Southport‖ ...	bcc	bcc	48	52	–	–	1·3
	Blackpool ...	c	c	45	51	–	–	0·0
	Morecambe ...	c	c	43	51	Trace	–	0·0
9	Ilkley... ...	c	c	39	50	–	–	0·0
	Harrogate ...	cbq	bbccq	38	49	Trace	–	1·0
10	Berwick-on-T.	c	c	40	51	Trace	–	0·0
11	Durbar ..	bc	bc	39	53	–	–	2·2
12	Troon... ...	coco.	ococo	43	54	3	–	0·0
	Douglas ...	cbq	cbq	50	51	–	–	0·0

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



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 21st Dec, 1936.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light or moderate south or southwest wind; cloudy, bright periods locally; local mist later; mild.
5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England	Moderate southwest wind; mainly cloudy; occasional rain or drizzle later; mild.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Moderate southwest wind; cloudy, occasional rain or drizzle; rather mild.
13 A. W. Scotld. B.N.W. Scotland.	Moderate west wind; bright periods, local rain or drizzle; local mist later; rather mild.
14 Mid Scotland 15 N. E. Scotland	Light or moderate west wind; fair at first; local rain later; rather mild.
16 Orkney and Shetland	Fresh southwest to west wind; bright intervals, local showers of rain or hail; rather mild.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate southwest wind, fresh locally, veering west later; occasional rain or drizzle; bright periods locally later; mild.

L.D.

Barometer. Isobars are drawn for intervals of two millibars.
Wind. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
Temperature is given in degrees F.
Weather Symbols:— Clear sky. Sky less than 1/8 clouded. Sky 1/8 to 5/8 clouded. Sky 1/8 to 7/8 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. T Thunder. ⚡Thunderstorm. Slight haze.
Sea Disturbance. Rough. High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A shallow depression southwest of Ireland is moving slowly northeast. There will be occasional rain or drizzle in the West and North but weather will be mainly fair in the Southeast.

FURTHER OUTLOOK.

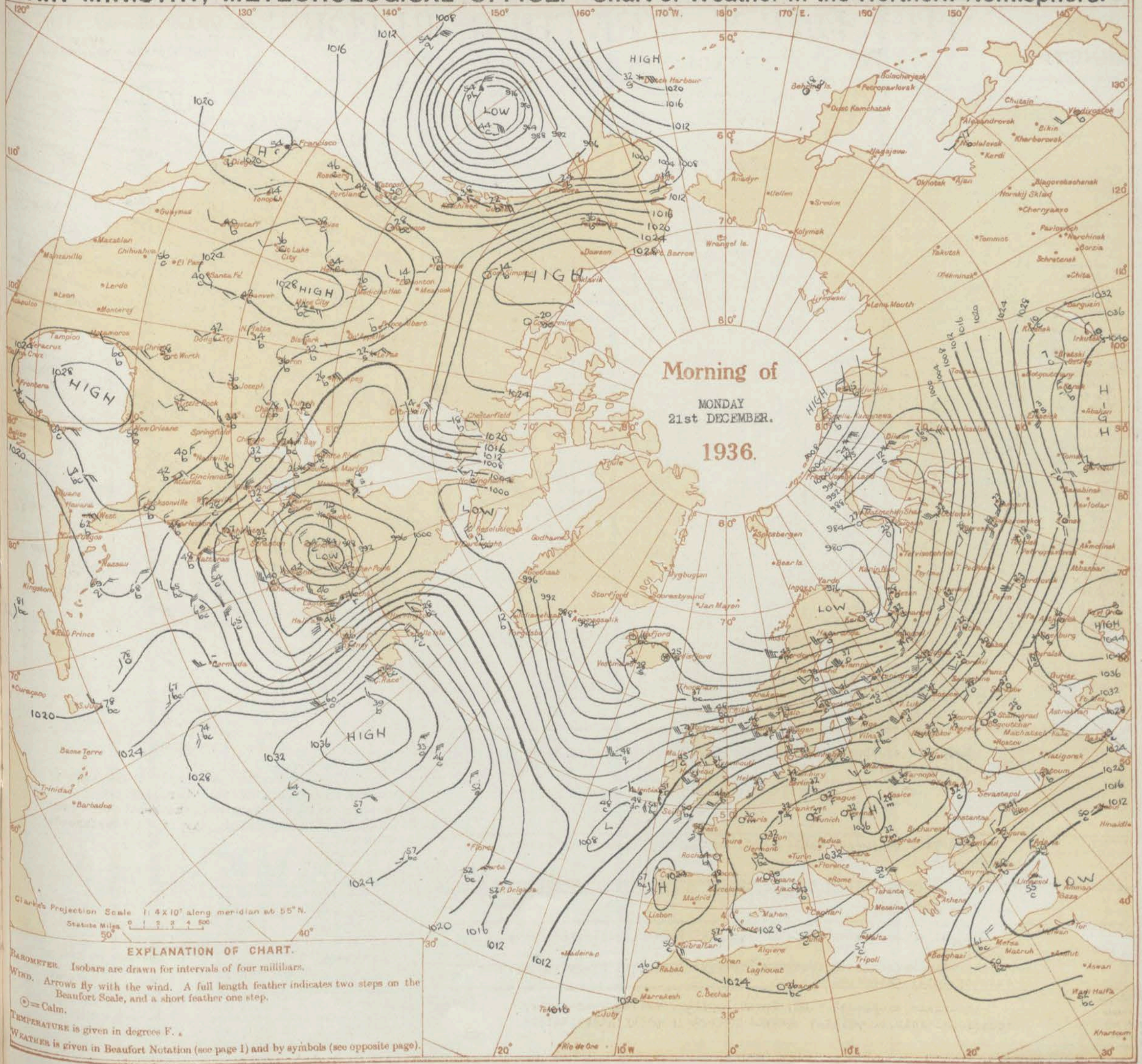
Unsettled.

Forecasts issued at 10.30 G.M.T.

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = 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 21st December, 1936.
No. 27423

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1024·6	+2	S'W	3	c	45	85	8	5	-	-	10	10	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1026·6	- 6	SW'W	3	c	42	95	7	5	-	-	10	10	800
	Manston ...	142	1025·9	-8	SSW	2	b	41	95	7	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	-	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1023·3	-4	S	S	b	41	85	7	-	-	-	0	0	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1023·3	-6	SW	4	c	50	95	8	4	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1021·7	0	S'W	5	c	51	95	7	8	-	-	7-8	7-8	2500
	Scilly (St. Mary's)	163	1020·4	0	S'W	6	c	51	95	7	5	-	-	10	10	2500
	Guernsey ..	175	1026·4	-4	SW'W	2	c	48	85	6	8	-	-	10	10	2500
6	Pembroke ...	142	1017·3	0	SW	7	1d.	52	95	7	5	2	-	7-8	10	2500
7	Holyhead ...	26	1014·3	-2	SW	5	bc	50	95	8	5	-	-	4-6	4-6	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1017·7	0	SSW	5	c	47	95	8	5	2	-	4-6	9+	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1011·7	+8	SW	4	bc	50	75	7	2	-	-	4-6	4-6	1500
11	Inchkeith ...	190	1008·4	+12	WSW	4	1r	44	95	7	6	-	-	10	10	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1011·6	+2	SW'W	5	c	51	95	8	8	-	-	10	10	1500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	999·0	+20	SW	7	c	47	75	8	5	7	-	4-6	7-8	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1001·0	+14	SW	4	bc	42	65	8	5	1	-	2-3	2-3	2500
16	Lerwick ...	156	993·5	+16	WSW	9	bc	47	75	7	2	-	-	4-6	4-6	800
17	Blacksod Point	18	1008·2	+6	S	2	id	47	95	7	6	-	-	10	10	800
18	Malin Head ...	52	1007·8	+10	S'E	3	c	45	85	7	5	-	-	7-8	7-8	2500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1010·6	+4	S'W	3	DD	50	95	6	5	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 * (30)
1024·0	-4	SSW	2	b	45	95	7	5	-	-	Tr	Tr	1500	1	*
1023·7	-4	SSW	4	b	46	95	7	5	-	-	Tr	Tr	4000	1	*
1023·7	-2	SSW	2	c	47	95	7	5	-	*	9+	9+	1500	1	*
1023·3	+2	S'W	4	c/r	48	95	7	5	2	-	9	10	1500	1	*
1024·0	-6	S'W	3	c	48	95	8	5	-	-	9+	9+	2500	1	2
1026·0	+2	SSW	2	0	45	95	7	5	-	-	10	10	800	1	2
1025·2	0	SW'S	3	c	45	95	7	5	-	-	10	10	1500	1	*
1024·7	-2	SSW	3	b	45	95	6	5	-	-	Tr	Tr	2500	1	*
1023·2	0	S'W	4	bc	42	95	6	-	4	-	0	2-3	-	1	3
1022·3	+4	S'W	4	b	46	85	7	5	-	-	Tr	Tr	4000	1	*
1019·5	0	SSW	4	bc	48	85	7	5	-	-	2-3	2-3	2500	1	*
1020·3	0	SSW	4	c	48	95	8	5	2	-	4-6	10	1500	1	*
1022·1	0	SSW	4	bc	46	95	7	5	3	-	4-6	4-6	2500	1	*
1020·3	0	S'W	3	c	50	85	7	5	-	-	10	10	1500	1	*
1022·9	-4	SW	4	c	50	95	7	4	-	-	9+	9+	2500	1	4
1022·1	+2	SSW	4	c	50	85	8	5	7	-	4-6	9	2500	1	2
1021·0	0	S	5	c	50	95	7	8	2	-	4-6	7-8	2500	1	4
1019·5	-4	S	4	bc	50	95	7	5	-	-	2-3	2-3	2500	1	3
1025·1	+2	SSW	1	0	46	95	7	5	-	-	10	10	2500	1	2
1016·8	-6	SW'S	6	q	51	95	6	5	-	-	10	10	2500	1	4
1014·7	+2	SW'S	5	c	51	95	8	5	-	-	10	10	2500	1	3
1017·0	+10	SSW	4	bc	54	65	8	5	-	-	4-6	4-6	4000	1	*
1017·5	+8	S'W	4	z_o	50	85	6	5	-	-	7-8	7-8	2500	1	*
1018·7	+6	S	3	c	45	95	8	5	2	-	7-8	9+	1500	0	2
1014·9	+2	SW'S	4	bc	50	75	8	4	4	-	2-3	2-3	2500	1	*
1012·9	+6	WSW	3	bc	51	75	7	4	-	-	2-3	2-3	2500	1	2
1010·8	+6	WSW	3	1r	45	95	7	5	2	-	2-3	9+	2500	1	2
1009·7	+14	SSW	4	bc	44	85	7	5	-	-	4-6	4-6	2500	1	*
1009·8	+4	-	0	$r_o r_o$	45	95	6	5	-	-	10	10	800	1	*
1013·2	+6	SSW	5	dd	47	95	6	5	-	-	10	10	220	2	*
1012·5	0	SW'W	5	$d_o d_o$	50	95	7	6	-	-	10	10	800	1	3
1006·4	+8	SW'S	3	c	46	95	7	5	-	-	9+	9+	1500	0	*
1002·8	+16	SW	6	c	47	75	7	5	2	-	7-8	10	1500	1	3
1009·5	+20	SW	3	bc	39	95	7	4	6	-	2-3	4-6	2500	1	*
1009·3	+18	SSW	2	c	43	85	7	5	7	-	4-6	7-8	2500	1	2
1004·4	+14	SW	4	bc	43	85	8	5	1	-	4-6	4-6	2500	1	2
998·3	+30	WSW	8	bc	48	85	7	8	-	-	4-6	4-6	1500	1	*
1009·2	0	-	0	c	46	95	7	5	-	-	10	10	800	1	3
1008·6	+6	S	2	c	45	95	7	5	-	-	9+	9+	1500	1	4
1010·4	+2	S	3	dr	49	95	7	5	-	-	10	10	800	1	*
1010·5	*	SSW	2	id	51	85	7	5	-	-	10	10	2500	1	*
1010·4	-6	SSW	5	rr	51	95	6	6	-	-	10	10	800	1	4
1014·0	-6	SW	4	bc	51	95	8	5	-	-	4-6	4-6	1500	1	4

PAST 24 HOURS.

District	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 20th Hrs. (36)
1	49	45	37	-	-	2·5
	49	44	42	-	Tr	2·4
	48	45	40	Tr	Tr	1·4
	48	46	45	Tr	1	0·0
	49	47	46	-	-	0·1
	48	40	36	-	-	5·1
	49	37	32	-	Tr	5·6
2	49	42	38	-	-	4·4
	48	41	39	-	-	4·0
	50	44	41	-	Tr	3·1
	49	47	44	-	-	1·5
3	48	47	45	-	-	0·9
	49	46	42	-	-	*
4	50	49	47	Tr	Tr	0·0
5	50	49	*	-	-	*
	51	50	49	0·2	-	0·1
	52	49	*	0·2	-	*
	53	50	*	-	-	0·5
	49	46	43	-	-	0·1
6	55	50	*	2	2	0·0
7	51	50	47	-	-	0·0
	55	49	42	-	-	1·6
8	52	49	45	-	0·1	0·6
10	48	44	*	-	-	2·5
	51	49	45	-	-	0·0
	52	50	44	-	-	0·0
11	51	42	41	-	2	0·0
	52	43	41	-	0·4	0·0
12	52	43	42	4	7	0·0
	46	45	44	5	18	0·0
	53	50	*	-	1	0·0
13A	49	45	45		-	0·0
13B	51	45	*	3	0·2	0·0
15	46	39	33	11	1	0·0
	52	43	40	-	-	0·0
16	50	40	*	Tr	-	*
	51	45	*	5	Tr	0·0
17	53	45	*	14	2	*
18	52	44	*	5	0·2	0·0
	51	43	42	Tr	7	0·0
19	52	50	48	-	0·3	0·0
20	53	49	48	1	7	0·0
	52	50	*	0·3	1	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	cbc	bcc	cbw	49	45	37	-	-	2·5	•	•	6
Croydon	217	bcebcz$_o$	bccz$_o$	cid$_o$b	49	44	42	-	Tr	2·4	•	•	6
Greenwich (Royal Observatory)	149	bc	c	cd$_o$	49	44	37	-	Tr	1·7	73	87	5
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	1·7	•	•	•
Westminster (St. James' Park)	27	•	•	•	50	46	40	-	-	2·4	71	88	•
Regents Pk. (Botanic Gardens)‡	168	•	•	•	50	46	43	-	Tr	1·5	73	87	•
Camden Square	110	c	c	•	50	46	40	-	-	•	•	85	•
Kensington	80	bc	bc	•	50	46	36	-	-	1·9	71	87	•
Hampstead Observatory	450	bc	bcp	cd	48	43	35	Tr	Tr	1·5	•	93	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

Max.	Time.	Min.	Time.
0·6	8–9h 20th	0·1	0–2h 21st

Kew Observatory.

Max.	Time.	Min.	Time.
0·1	15h 20th	0·1	0–7h 21st

FOREIGN OBSERVATIONS.

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

Stations	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1030·3	SSE	2	z_o	41
Brussels	1028·9	SSW	3	b	39
Berlin	1031·4	SSW	3	bc	39
Zürich					
Rome					

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

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1029·5	-	0	m	30
1027·7	SW	2	b	*
1030·1	SSW	2	z_o	32
1027·9	NE	3	bc	39

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
46	30	-	-
48	30	-	-
43	30	-	-
*	*		-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 22nd, December, 1936.
No. 27424

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. F. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1024·5	−6	SW	3	z₀	49	85	6	5	-	-	9+	9+	1500
	Croydon ...	1024·6	−4	SW	3	z₀	47	85	6	5	-	-	9+	9+	2500
	S. Farnborough	1024·3	−6	SSW	3	c	47	85	7	5	-	-	9+	9+	1500
	Boscombe Down	1023·8	−2	SW	5	c	47	85	8	5	-	-	9	9	800
	Calshot (Sthmtn.)	1024·8	+2	SE	3	c	46	95	7	5	-	-	10	10	1500
	Lympne ...	1026·4	−2	SSW	4	o	44	95	7	5	-	-	10	10	1500
	Manston ...	1026·0	+2	SSW	4	c	46	85	7	5	-	-	10	10	1500
2	Shoeburyness ...	1025·1	−4	SW	3	c	48	85	7	5	-	-	9+	9+	1500
	Felixstowe ...														
	Gorleston ...	1023·9	−6	SW	4	bc	50	85	6	5	-	-	4-6	4-6	2500
	Mildenhall ...	1023·3	−6	SW	4	c	50	85	8	5	-	-	9+	9+	2500
	Cranwell ...	1021·1	+2	SSW	4	bc	50	85	9	5	3	-	2-3	2-3	1500
3	Birmingham ...	1021·4	+4	SSW	4	c	48	85	7	5	-	-	9+	9+	2500
	Upper Heyford	1023·3	−2	SW	3	c	48	85	8	5	-	-	9+	9+	1500
4	Ross-on-Wye	1022·2	−4	SW	3	c	50	85	7	5	-	-	9+	9+	1500
5	Portland Bill ...	1023·2	−6	SW	4	o	48	85	7	5	-	-	10	10	2500
	Plymouth ...	1022·8	0	S	3	c	50	85	8	5	-	-	10	10	1500
	The Lizard ...	1021·3	−4	SE	5	c	51	95	8	8	-	-	9+	9+	2500
	Scilly (St.Mary's)	1019·9	−4	SW	5	bc	54	85	7	5	-	-	2-3	2-3	2500
	Guernsey ...	1024·4	−12	SSW	2	c	44	95	7	8	-	-	7-8	7-8	2500
6	Pembroke ...	1019·0	+6	SSW	6	q	51	95	7	8	-	-	9+	9+	1500
7	Holyhead ...	1015·6	+2	SSW	5	id₀	51	95	7	5	2	-	7-8	10	800
	Chester(Sealand)	1018·3	+2	SE	3	c	54	75	7	8	-	9	9	9+	2500
8	Manchester ...	1018·3	+2	SW	6	z₀	52	85	6	7	5	-	4-6	7-8	2500
10	Spurn Head ...	1019·8	0	SSW	4	bc	48	95	7	4	7	-	2-3	4-6	2500
	Catterick ...	1016·5	−2	SW	3	z₀	55	75	6	8	-	6	9	9+	2500
	Tynemouth ...	1014·5	0	WSW	5	c	53	75	6	9	-	-	7-8	7-8	800
11	Inchkeith ...	1011·4	+2	SW	3	dr	48	95	7	8	-	-	10	10	2500
	Leuchars ...	1011·2	+2	SSW	1	rf	46	95	3	5	2	-	9+	10	800
12	Renfrew (Abbots L.)	1011·0	+6	SW	3	r₀r₀	48	95	6	-	2	-	10	10	800
	Eskdalemuir ...	1012·6	+4	SSW	6	dd	47	95	5	-	2	-	10	10	220
	Point of Ayre...	1014·2	+4	SW	5	c	55	95	7	8	4	-	7-8	9	800
13A	Tiree	1009·0	+8	SW	4	ir₀	47	85	6	5	2	-	9	10	1500
13B	Stornoway ...	1005·7	+6	SW	4	c/pr	46	85	7	5	2	-	4-6	10	1500
15	Dalwhinnie ...	1010·4	+14	SW	3	ir₀	42	85	7	4	2	2	4-6	10	2500
	Aberdeen ...	1010·6	0	SW	1	z₀	45	85	6	5	7	-	2-3	9+	5700
	Wick ...	1007·5	+10	S	3	c	45	85	8	5	9	-	4-6	9	1500
16	Lerwick ...	1004·0	+22	WSW	7	c/pr	44	95	8	8	7	-	4-6	9	1500
17	Blacksod Point	1010·7	+4	-	0	rr	45	95	8	6	-	-	10	10	800
18	Malin Head ...	1010·4	+10	S	3	c	46	95	7	8	-	-	9+	9+	1500
	Aldergrove ...	1011·2	−6	SW	4	ir₀	50	95	6	5	3	-	9	9+	450
19	Birr Castle ...	1011·3	*	SSW	3	id	52	95	7	5	-	-	10	10	2500
20	Valentia Obsy. †	1009·7	−10	SSW	6	r₀r₀	53	95	6	6	-	-	10	10	800
	Roches Point	1013·9	−6	SW	6	id	52	95	6	5	-	-	10	10	800

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

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1024·7	+2	SSW	2	z₀	42	85	6	-	-	-	0	0	-	1	*
1024·2	−2	SE	4	z₀	41	95	6	5	-	-	1	1	1500	1	*
1024·6	+4	S	2	bc	41	95	7	5	-	-	4-6	4-6	1500	1	*
1024·3	+4	SE	2	c	42	95	7	5	-	-	10	10	800	1	*
1024·5	+2	SE	2	c	44	95	8	5	-	-	9+	9+	1500	1	2
1026·0	−2	SW	2	z₀	39	95	6	5	-	-	9+	9+	450	1	§ 1
1025·4	0	SW	3	c	40	95	7	5	-	-	9+	9+	450	1	*
1024·9	0	SSW	2	b	42	95	7	-	-	-	0	0	-	1	*
1023·8	0	SW	4	c	45	85	6	5	-	-	10	10	2500	1	2
1024·2	+6	E SSW	4	z₀	46	85	6	5	-	-	10	10	1500	1	*
1021·6	+4	SSW	4	c	47	85	8	5	-	-	9+	9+	1500	1	*
1021·5	0	SSW	3	c	47	85	7	5	-	-	10	10	1500	1	*
1023·8	+4	S	3	c	44	95	7	5	-	-	9+	9+	1500	1	*
1021·3	0	S	3	c	47	85	7	5	-	-	10	10	2500	1	*
1023·4	−2	SW	4	c	48	95	8	5	-	-	7-8	7-8	2500	1	3
1022·2	+4	SSE	3	c	51	95	7	5	-	-	9+	9+	1500	1	2
1021·7	+8	SSE	5	c	51	95	7	8	6	-	7-8	7-8	2500	1	3
1020·0	+6	SW	5	c	51	95	7	5	-	-	7-8	7-8	1500	1	3
1024·6	+4	SSW	1	bc	43	95	6	8	-	-	4-6	4-6	2500	1	2
1017·9	0	SSW	5	q	51	95	7	8	-	-	9+	9+	2500	1	3
1015·6	+2	SW	6	c/d	50	95	7	5	-	-	10	10	800	1	3
1018·7	0	SE	3	b	49	75	7	-	-	-	0	0	-	1	*
1019·1	+6	S	4	z₀	49	75	6	5	4	-	2-3	4-6	4000	1	*
1019·8	0	SW	5	bc	45	95	7	4	6	-	2-3	4-6	1500	0	4
1016·9	+4	SSW	4	c	50	75	7	5	-	-	7-8	7-8	2500	1	*
1015·2	+6	WSW	4	o	53	75	6	6	-	-	10	10	800	1	2
1010·6	−4	SW	3	c	49	95	7	5	2	-	4-6	7-8	2500	1	2
1010·2	−4	SW	1	do₀	45	95	5	5	-	-	10	10	800	1	*
1009·8	−6	NNW	1	r₀r₀	46	95	4	-	2	-	10	10	800	1	*
1012·0	−2	SWS	7	rr	46	95	4	6	-	-	10	10	450	2	*
1013·7	−6	SW	5	c	52	95	8	8	-	-	10	10	1500	1	3
1009·0	+2	SWS	4	ir₀	45	85	7	6	2	-	4-6	10	1500	1	4
1006·5	+4	SW	4	c	43	75	7	5	7	-	4-6	9+	1500	1	2
	+6	S	2	rr	40	95	7	6	-	-	10	10	2500	1	*
1008·8	−2	SSW	2	r₀r₀	45	95	6	5	2	-	9+	10	1500	1	1
1007·6	0	SW	3	c	44	95	8	5	7	-	7-8	10	1500	1	2
1004·4	+4	WSW	7	c/pr	44	75	7	9	1	-	7-8	9+	800	1	*
1011·8	+16	S	3	c	45	85	7	5	-	-	10	10	800	1	3
1010·7	+8	SW	2	rr	45	95	6	6	-	-	9+	9+	800	1	3
1010·2	0	NNW	4	ir₀	46	95	6	6	-	-	10	10	450	1	*
1010·6	*	SSW	2	id	53	85	7	5	-	-	10	10	2500	1	*
1012·3	+20	NNW	5	r₀r₀	45	95	6	6	-	-	10	10	800	1	4
1013·6	+2	SW	6	o	52	95	7	5	-	-	10	10	800	1	5

PAST 24 HOURS.

Weather. 7h.–13h. (37)	Weather. 13h.–18h. (38)	Weather. 18h. 21st to 1h. 22nd (39)	Weather. 1h.–7h. 22nd (40)
bwcm₀	cbcm₀	bm₀cm₀	cm₀
bccm₀	cm₀bcmbw₀b	bwo,bc	
c	cbc	bccbx	bccld₀
c	c	c	cbcc
c	c	cbcc	c
oco	oc	cbwcm₀	c,bwm₀c
cbc	cm₀c	cm₀	cbm₀w
bm₀bc	c,b	bbcw	bcxbm₀
bc	bcc	cbccz₀	cme
b z₀c	czz₀	cz₀	c,b
bbcc	b,c	cbcb	bcpr₀b
cbcc	c	c	c
bccm₀	c	cbcbbc	bccwbc
c	c	cbcc	c
c o	oc	c	c
c	cd₀c	c	c
c	cbcc	cbce	bcpr₀c
bccbc	bcc	bbcbw	bbccw
oc	cbc	bcbw	bwop₀
cqidbcc	cq	cq	cqpr₀m₀
id id₀c	id₀d₀c	id₀m₀c	rrr₀r₀
bcc ir₀2c	cbc	bbccir₀	cir₀m₀
bccdobc	bccbc	bcz₀bw	bwbc
cbc	bc	bcb	bbc
bcd₀m₀	cm₀cbc	bc	bcomr
bcc	co	obcc	coir₀
ir₀dr	drdfc	cdf	ir₀c
bcorf	cr₀r₀d₀	cr₀r₀m₀	cr₀r₀m₀c
cr₀r₀m₀	cr₀r₀m	crmr₀r₀	cr₀r₀ir₀
codd	dofcr	cirmr₀	r₀r₀c
oc	co	o	r₀r
cir₀	clr₀	cirpR	cpR
cpr₀	cpr₀	c	bccprq
ciro	cir	*	rrirc
cz₀	cz₀r₀	or₀r₀	ir₀c
bcc	c	cpr₀c	cpr₀
cpr	cphrq	cphrm₀	cpr
ir	ir		
c	crr	cir₀	c
oddr₀r₀	cr₀r₀ir	orrr₀r₀	or₀bcc
oid	oid	oidrr	orrc
rr r₀r₀	ir r₀r₀	r₀r₀c	cbc
coid	oido	ddodr	cir₀

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. ⁄, gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; + has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo- stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

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

† Sea disturbance reported from Dungeness.

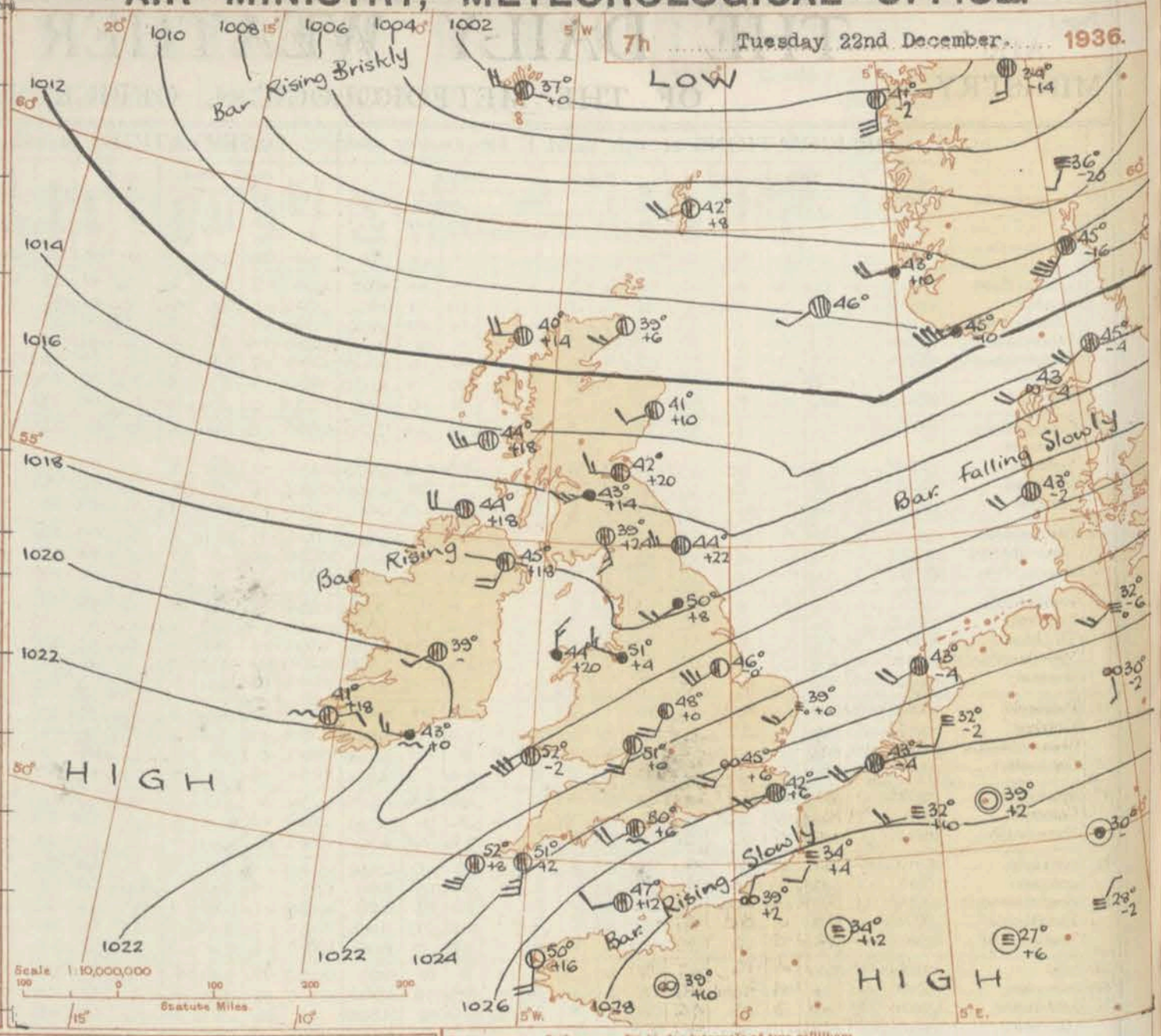
REPORTS from HEALTH RESORTS for ... December 21st ... 1936

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F) Min. 9h. 20th to 9h. 21st	Temperature (F) Max. 9h.—17h. 21st.	Rainfall (mm) Night. 17h. 20th to 9h. 21st.	Rainfall (mm) Day. 9h.—17h. 21st.	Sunshine (hrs) Sunrise to Sunset. 21st.
1	Tunbridge W.	co	oco	41	47	-	-	0·0
	Bournemouth	o	o	44	50	-	-	0·0
	Ventnor ...	ou	ocou	46	47	-	-	0·4
	Southsea ...	oc	c	46	48	-	-	0·0
	Bognor Regis	c	o	46	47	-	-	0·0
	Littlehampton	c	c	46	48	-	-	0·0
	Worthing ...	o	o	45	48	-	-	0·0
	Brighton ...	c	c	46	48	-	-	0·0
	Eastbourne†	o	ocb	45	49	-	-	0·0
	Hastings† ...	co	cbcco	44	48	-	-	0·0
	Folkestone ...	o	o	44	48	-	-	0·0
	Dover	co	oc	45	47	-	-	0·0
	Deal	obcco	o	42	48	-	-	0·5
	Ramsgate ...	bcc	c	42	48	-	-	0·5
	Margate ...	bcc	c	42	50	-	-	1·6
2	Southend ...	b	bbcdb	42	50	Trace	-	2·7
	Maldon ...	mb	co	42	49	-	-	2·5
	Clacton-on-Sea	bbc	bcc	43	48	-	-	4·4
	Dovercourt ...	bc	bccoc	42	49	-	-	3·7
	Lowestoft ...	b	bbcc	42	49	-	-	4·0
	Skegness ...	b	bcc	43	50	Trace	-	4·0
	Mablethorpe	bbc	bcc	44	48	-	-	3·9
	Cleethorpes ...	bc	bc	45	52	-	-	4·2
3	Leamington S.	oc	co	49	50	-	-	0·2
4	Cheltenham†	cbcc	c	48	52	-	-	1·4
5	Bath	cbc	c	49	52	Trace	-	0·2
	Weymouth ...	c	c	49	51	-	-	0·0
	Jersey ...	o	o	38	41	-	-	0·0
	Torquay ...	co	ocoz	50	51	-	-	0·0
	Penzance ...	c	cbcc	51	53	-	-	2·0
	St. Ives ...	c	c	50	52	-	-	0·4
	Bude	bcbc	bccb	49	52	-	-	2·5
	Ilfracombe ...	ocbcc	cbc	50	52	-	-	1·0
6	Aberystwyth	prcc	bcc	48	52	0·5	-	2·3
7	Llandudno ...	c	cbcc	~~41~~ 51	56	-	-	0·1
	Colwyn Bay ...	cbcbc	bcpbc	50	54	-	0·5	2·0
	Rhyl	cdcc	cbc	49	55	Trace	Trace	0·2
8	Wallasey ...	bc	bc	51	56	Trace	-	0·8
	Southport‖ ...	cbcc	c	49	55	-	-	1·2
	Blackpool ...	cp	c	49	52	-	0·6	0·6
	Morecambe ...	cdcbc	bbcc	48	55	-	Trace	1·3
9	Ilkley	c	c	46	53	-	-	0·0
	Harrogate ...	cbc	bcb	46	52	-	-	0·4
10	Berwick-on-T.	crcc	c	49	52	0·3	Trace	0·2
11	Dunbar ..	cr.	ber.	43	53	5	0·3	0·1
12	Troon	rococ	crpro	48	54	13	3	0·0
	Douglas ...	cb	cbq	48	53	Trace	-	0·0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Tuesday 22nd December, ... 1936.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 22nd December, 1936.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England	Light or moderate southwest wind; mainly fair at first, local rain later; mild.
6 South Wales ... 7 North Wales ...	Moderate southwest wind; cloudy, occasional rain later; average temperature.
8 N.W. England 9 N. Midlands ... 10 N.E. England	Light or moderate southwest wind; some rain or drizzle; local morning fog; average temperature.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Light or moderate southwest wind; cloudy with local rain early; mainly fair later; local morning fog; average temperature or rather cold.
13 A. W. Scotld. / B.N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Light or moderate southwest wind; bright periods, local showers; rather cold, frost locally at night.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light or moderate west wind; bright intervals, local showers; average temperature, frost locally at night.

L.D.

Barometer. Isobars are drawn for intervals of two millibars.
Wind. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
Temperature is given in degrees F.
Weather Symbols:— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 5/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
Sea Disturbance. Rough. High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A trough of low pressure extending from North England to Southeast Ireland is moving slowly southeast. There will be some rain in North England, North Wales and North Midlands at first extending very slowly southeast.

FURTHER OUTLOOK.

Unsettled.

Forecasts issued at 1030 G.M.T.

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

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

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

Morning of

TUESDAY
22nd DECEMBER.

1936.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = Calm.

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 22nd December, 1936.
No. 27424

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Cloud. Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1024·5	−4	S'W	4	b	41	85	7	–	–	–	0	0	–
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1026·0	0	SW	2	c	42	95	7	5	–	–	10	10	1500
	Manston ...	142	1025·4	−2	SW'S	2	c	42	95	6	5	–	–	10	10	1500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1023·8	+2	SW'S	2	c	42	95	6	5	–	–	9+	9+	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1023·3	−4	SW	4	c	50	95	7	5	–	–	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1022·9	+2	S'E	5	bc	50	95	8	8	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	163	1021·3	+4	SSW	5	b	51	95	7	–	–	–	0	0	–
	Guernsey ..	175	1025·6	+2	SW'W	1	b	47	95	6	–	–	–	0	0	–
6	Pembroke ...	142	1018·5	+2	SW'S	6	q	51	95	7	8	–	–	9+	9+	2500
7	Holyhead ...	26	1015·7	+2	SW'S	5	c	51	95	6	5	–	–	10	10	800
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1019·5	−2	SSW	5	b	42	95	8	–	–	–	0	0	–
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1014·0	−4	SW	3	c	49	85	7	5	–	–	7-8	7-8	800
11	Inchkeith ...	190	1012·7	+6	SW	3	d	44	95	6	5	–	–	7-8	7-8	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1013·7	−2	WSW	5	pr.	52	95	8	6	–	–	10	10	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1008·9	+14	SW	3	c	43	75	7	5	7	–	7-8	9+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1008·5	0	SW	3	c	41	85	8	5	2	–	4-6	9	1500
16	Lerwick ...	156	1005·5	0	WSW	5	c	43	85	8	8	7	–	4-6	7-8	800
17	Blacksod Point	18	1015·2	+18	W	2	c	46	85	7	5	–	–	9	9	800
18	Malin Head ...	52	1013·5	+14	S'W	3	c	43	95	7	8	–	–	9+	9+	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1017·8	+14	SE	2	c	43	95	7	5	–	–	7-8	7-8	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1024·6	+4	SW	3	Z_o	46	95	6	5	–	–	9+	9+	1500	1	*
	Croydon ...	1025·1	+6	SW'S	4	Z_o	45	95	6	5	–	–	10	10	450	1	*
	S. Farnborough	1025·0	+4	SSW	2	c/d	46	95	6	5	–	–	9+	9+	1500	1	*
	Boscombe Down	1024·5	+2	S'W	3	c	46	95	7	5	–	–	7-8	7-8	2500	1	*
	Calshot (Sthmtn.)	1025·5	+4	SSW	3	c	48	95	7	5	–	–	10	10	1500	1	2
	Lympne ...	1026·9	+6	SW	3	o	42	95	7	5	–	–	10	10	800	1	2
	Manston ...	1025·7	+2	SW'S	3	b	38	95	7	5	–	–	Tr	Tr	800	1	*
2	Shoeburyness ...	1025·3	+2	SW'S	2	Z_o	42	95	5	–	4	–	0	Tr	–	1	*
	Felixstowe ...																
	Gorleston ...	1023·7	0	SW'S	3	m	39	95	4	5	–	–	10	10	2500	1	2
	Mildenhall ...	1023·6	+4	SW'S	4	b	43	95	8	5	–	–	Tr	Tr	2500	1	*
	Cranwell ...	1020·5	0	SW'S	5	bc	46	95	6	5	–	–	2-3	2-3	2500	1	*
3	Birmingham ...	1021·1	0	SSW	4	c	48	85	8	5	–	–	7-8	7-8	2500	1	*
	Upper Heyford	1023·6	0	SSW	3	c	45	95	7	5	7	–	4-6	7-8	1500	1	*
4	Ross-on-Wye	1021·5	0	SSW	4	c	51	75	8	5	–	–	9+	9+	2500	1	*
5	Portland Bill ...	1024·4	+6	SW	4	c	50	95	7	5	–	–	10	10	2500	1	4
	Plymouth ...	1023·7	+6	SSW	3	c	51	95	7	5	–	–	9+	9+	1500	1	2
	The Lizard ...	1023·9	+2	S	5	c	51	95	8	5	2	–	9+	10	2500	1	3
	Scilly (St. Mary's)	1022·3	+8	SW'S	5	c	52	95	7	5	–	–	9+	9+	1500	1	3
	Guernsey ..	1027·0	+12	WSW	2	c/pr	47	95	7	5	–	–	10	10	2500	1	2
6	Pembroke ...	1018·8	−2	SW	6	q	52	85	6	8	–	–	9+	9+	2500	1	3
7	Holyhead ...	1019·6	+20	N	3	r.r.	44	95	6	6	2	–	4-6	10	1500	1	2
	Chester (Sealand)	1018·5	+4	WNW	3	ir.	51	85	6	–	2	–	10	10	2500	1	*
8	Manchester ...	1018·3	−2	SSW	5	bc	50	85	7	5	3	–	4-6	4-6	2500	1	*
10	Spurn Head ...	1019·5	0	SSE	3	bc	42	95	7	5	2	–	2-3	4-6	1500	0	2
	Catterick ...	1017·0	+8	SW'W	3	dr	50	95	6	5	–	–	10	10	800	1	*
	Tynemouth ...	1016·2	+22	W	3	o/c	44	95	6	6	–	–	10	10	800	1	2
11	Inchkeith ...	1014·6	+20	W	3	c	42	95	8	5	–	–	7-8	7-8	2500	1	2
	Leuchars ...	1014·5	+10	SW	3	c	40	95	7	5	–	–	10	10	1500	1	*
12	Renfrew (Abbotsl.)	1015·7	+14	WSW	3	ir	43	95	5	5	–	–	10	10	1500	1	*
	Eskdalemuir ...	1017·2	+24	S'E	3	c	39	95	7	5	–	–	10	10	1500	1	*
	Point of Ayre ...	1018·3	+16	WNW	4	r.r.	44	95	8	6	–	–	10	10	1500	1	2
13A	Tiree	1015·3	+18	W'S	5	c	44	65	7	8	7	8	4-6	7-8	1500	0	3
13B	Stornoway ...	1010·9	+14	W	4	c/pr	40	95	8	8	7	–	4-6	7-8	2500	1	2
15	Dalwhinnie ...	1015·0	+12	SW	3	bc	38	85	8	4	6	–	2-3	4-6	4000	1	*
	Aberdeen ...	1013·0	+10	SW'W	2	c	41	85	7	5	–	–	10	10	1500	1	2
	Wick ...	1010·2	+6	SW	3	c/pr	39	85	8	8	7	–	4-6	7-8	1500	1	2
16	Lerwick ...	1006·6	+8	WSW	4	bc/pr	42	85	8	8	–	–	4-6	4-6	800	1	*
17	Blacksod Point	1019·9	+14	NW	3	bc	44	85	8	5	–	–	4-6	4-6	1500	1	3
18	Malin Head ...	1016·8	+18	W	4	c	44	95	7	5	–	–	7-8	7-8	2500	1	3
	Aldergrove ...	1018·2	+18	SSW	4	c	45	95	7	5	–	–	7-8	7-8	800	1	*
19	Birr Castle ...	1019·7	*	SW	1	c	39	95	8	5	–	–	10	10	2500	1	*
20	Valentia Obsy. †	1021·8	+18	ENE	2	bc	41	95	8	5	3	8	4-6	4-6	2500	1	4
	Roches Point	1022·0	0	W'N	3	ir.	43	95	8	6	–	–	7-8	7-8	1500	1	4

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 21st Hrs. (36)
1	London (Kew)	48	39	31	–	–	0·0
	Croydon ...	48	40	36	–	–	0·0
	S. Farnborough	48	38	28	–	Tr	0·0
	Boscombe Down	49	39	36	–	–	1·7
	Calshot (Sthmtn.)	48	43	41	–	–	0·1
	Lympne ...	46	37	32	–	–	0·0
	Manston ...	48	34	29	–	–	1·5
2	Shoeburyness ...	50	38	28	–	–	3·4
	Felixstowe ...						
	Gorleston ...	50	36	33	–	–	4·8
	Mildenhall ...	50	37	34	–	–	3·3
	Cranwell ...	51	40	37	–	Tr	3·5
3	Birmingham ...	49	43	41	–	–	0·1
	Upper Heyford	49	38	35	–	–	*
4	Ross-on-Wye	50	45	39	–	–	0·0
5	Portland Bill ...	51	48	*	–	–	*
	Plymouth ...	51	49	49	Tr	–	0·0
	The Lizard ...	52	50	*	–	0·1	*
	Scilly (St. Mary's)	54	50	*	–	Tr	4·8
	Guernsey ..	46	42	36	–	Tr	2·6
6	Pembroke ...	52	50	*	0·1	0·2	1·0
7	Holyhead ...	52	43	42	0·6	8	0·1
	Chester (Sealand)	55	46	40	0·1	Tr	0·1
8	Manchester ...	54	46	41	Tr	–	1·3
10	Spurn Head ...	50	40	*	–	–	2·4
	Catterick ...	55	47	43	Tr	0·6	0·7
	Tynemouth ...	53	44	42	–	0·3	1·7
11	Inchkeith ...	49	40	39	3	3	0·0
	Leuchars ...	47	39	38	2	6	0·0
12	Renfrew (Abbotsl.)	49	41	41	11	8	0·0
	Eskdalemuir ...	48	38	37	10	6	0·0
	Point of Ayre ...	55	43	*	Tr	5	1·6
13A	Tiree	47	43	40	0·4	2	0·0
13B	Stornoway ...	48	38	*	1	1	0·0
15	Dalwhinnie ...	42	36	31	1	2	0·0
	Aberdeen ...	47	41	37	0·4	3	0·0
	Wick ...	45	37	*	–	Tr	*
16	Lerwick ...	52	40	*	5	6	0·0
17	Blacksod Point	54	38	34	0·3	10	0·0
18	Malin Head ...	53	40	37	14	6	0·0
	Aldergrove ...	52	43	*	0·5	3	*
19	Birr Castle ...						
20	Valentia Obsy. †						
	Roches Point						

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning: 24 hrs. ended 9h.	Weather. Afternoon.	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	bwcm.	cbcm.	bm.cm.	49	39	31	–	–	0·0	*	*	6
Croydon	217	bccm.	cm.bcm	bw.o.bc	48	40	36	–	–	0·0	*	*	6
Greenwich (Royal Observatory) ...	149	c	cb	bc.bw	49	37	28	–	Tr	0·0	86	95	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	50	41	35	–	–	0·0	83	89	*
Regents Pk. (Botanic Gardens)† ...	168	*	*	*	49	41	38	–	–	0·0	85	91	*
Camden Square	110	c	cb	*	49	41	36	–	–	*	*	91	*
Kensington	80	bc	bc	*	49	41	32	–	–	0·0	81 18h	93	*
Hampstead Observatory	450	bc	o	o	47	38	31	–	–	0·0	*	?	*

FOREIGN OBSERVATIONS.

18h. G.M.T. December 21st ... | 7h. G.M.T. December 22nd ...

Stations	18h. Barom. mb.	18h. Wind. Direc.	18h. Wind. Force	18h. Weather.	18h. Temp. °F.	7h. Barom. mb.	7h. Wind. Direc.	7h. Wind. Force	7h. Weather.	7h. Temp. °F.	Past 24 Hours. Max. Day °F.	Past 24 Hours. Min. Night °F.	Past 24 Hours. Rainfall. Day mm.	Past 24 Hours. Rainfall. Night mm.
Paris	1028·3	–	0	F	32	1029·8	–	0	F	34	34	28	–	–
Brussels	1027·1	SSW	2	b	34	1027·8	WSW	3	F	32	39		–	–
Berlin	1028·9	S	1	b	36	1027·8	SW'S	1	f	27	45	25	–	–
Zürich	1032·2	WSW	1	c/ps	32						*	*	–	
Rome	1025·9	NE	1	b	46	1026·1	NE	2	bc	37	*	*	–	–

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·6	17-20h 21st	0·3	2-4h 22nd

Kew Observatory. Max.	Time.	Min.	Time.
0·3	17h 21st	0·1	2h 22nd

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 —Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 23rd December, 1936.
No. 27425

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. 0–12 Force (4)	Weather. (5)	°F Temp. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)	Sunshine 21st Hrs. (36)
1	London (Kew)	1025·5	- 4	SW'S	3	z_o	52	85	6	5	3	-	1	4-6	1500	0·0
	Croydon ...	1025·8	- 2	SSW	4	z_o	50	95	6	5	3	-	7-8	9	4000	0·0
	S. Farnborough	1025·6	- 4	SW'S	4	c	54	85	7	5	-	-	7-8	7-8	4000	0·0
	Boscombe Down	1025·4	- 4	SW	4	bc	52	85	7	5	2	-	4-6	4-6	1500	1·7
	Calshot (Sthmtn.)	1026·8	+ 2	SSW	5	c	51	95	7	5	3	-	4-6	9	1500	c·1
	Lympne ...	1027·6	- 2	SW'W	4	c	46	95	6	5	-	-	9	9	450	0·0
	Manston ...	1026·9	+ 2	SW	3	c	49	85	7	5	-	-	10	10	800	1·5
2	Shoeburyness ...	1025·5	- 2	SW'S	4	bc	51	85	6	5	-	-	4-6	4-6	2500	3·4
	Felixstowe ...															
	Gorleston ...	1025·4	- 2	SSW	4	z_o	47	85	5	-	-	6	0	2-3	-	4·8
	Mildenhall ...	1023·5	-12	SW	4	z_o	52	85	6	5	3	-	9	9+	2500	3·3
	Cranwell ...	1021·2	- 2	SW'S	5	c	51	85	7	5	-	-	10	10	2500	3·5
3	Birmingham ...	1022·5	+ 2	NW	3	c	50	85	6	5	-	-	9+	9+	800	0·1
	Upper Heyford	1024·1	- 6	SW	4	c	51	85	7	5	-	-	9+	9+	1500	*
4	Ross-on-Wye	1022·4	- 4	SW	3	o	52	85	7	5	-	-	10	10	1500	0·0
5	Portland Bill ...	1025·7	+6	SW	4	c	53	85	7	4	-	-	7-8	7-8	2500	*
	Plymouth ...	1025·7	+4	SW	4	$r_o r_o$	52	95	6	6	-	-	10	10	450	0·0
	The Lizard ...	1026·3	+6	SSW	5	c/pr	52	95	6	5	2	-	9	10	1500	*
	Scilly (St.Mary's)	1025·9	+16	NW	2	dp	51	95	7	5	-	-	10	10	1500	4·8
	Guernsey ...	1028·1	+2	SW'W	2	bc	51	95	7	8	-	-	4-6	4-6	2500	2·6
6	Pembroke ...	1024·2	+18	N'W	3	c	47	85	7	8	2	-	7-8	9+	2500	1·0
7	Holyhead ...	1023·8	+16	WNW	4	c	46	85	8	5	2	-	4-6	10	2500	0·1
	Chester(Sealand)	1023·5	+18	W'N	2	ir_o	46	85	7	6	2	-	2-3	10	4000	0·1
8	Manchester ...	1023·1	+18	W	2	$r_o r_o$	44	95	5	6	2	-	7-8	10	800	1·3
10	Spurn Head ...	1020·8	+4	WNW	4	ir_o	46	95	6	5	-	-	10	10	800	2·4
	Catterick ...	1021·5	+10	W'S	3	c	46	85	8	5	7	-	2-3	10	2500	0·7
	Tynemouth ...	1019·9	+12	W	3	o	45	86	6	6	-	-	10	10	800	1·7
11	Inchkeith ...	1017·4	+6	SW	3	c	44	95	6	8	-	-	7-8	7-8	1500	0·0
	Leuchars ...	1018·0	+18	WSW	4	c	42	85	8	5	-	2	2-3	7-8	5700	0·0
12	Renfrew (Abbotsl.)	1019·6	+14	W'S	3	bc/pr	43	85	9	3	6	-	4-6	4-6	2500	0·0
	Eskdalemuir ...	1020·3	+14	SW'W	3	c	41	85	8	5	2	-	4-6	10	1500	0·0
	Point of Ayre...	1022·2	+12	NW'W	4	c	46	95	8	2	2	-	1	9	1500	1·6
13A	Tiree	1019·1	+16	W'N	4	bc	45	65	9	8	2	9	2-3	2-3	2500	0·0
13B	Stornoway ...	1019·8	+16	WSW	4	c/pr	41	85	8	8	7	-	4-6	7-8	2500	0·0
15	Dalwhinnie ...	1019·4	+20	W	3	ir	39	75	8	3	6	-	4-6	9	2500	0·0
	Aberdeen ...	1016·8	+16	W	3	bc	42	65	8	8	4	-	Tr	2-3	2500	0·0
	Wick ...	1013·8	+20	W	3	c	35	85	8	8	6	-	4-6	7-8	1500	*
16	Lerwick ...	1008·9	+ 6	W	4	c	43	65	8	8	7	-	4-6	7-8	1500	0·0
17	Blacksod Point	1023·6	+12	NW	3	bc	46	65	8	3	-	-	4-6	4-6	1500	*
18	Malin Head ...	1021·0	+12	W	4	c	45	95	7	7	-	-	7-8	7-8	2500	0·0
	Aldergrove ...	1022·6	+12	SW	4	bc	40	95	7	5	9	-	Tr	4-6	800	0·0
19	Birr Castle ...	1025·0	*	SW	1	c	43	95	8	5	3	-	4-6	7-8	2500	*
20	Valentia Obsy. †	1027·5	+20	NNW	3	bc	46	65	9	6	-	-	2-3	2-3	1500	0·0
	Roches Point	1026·7	+10	NW	3	c	47	95	8	5	-	-	7-8	7-8	1500	0·0

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. 0–12 Force (18)	Weather. (19)	°F Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1026·0	+4	SSW	4	z_o	52	95	6	5	-	-	10	10	2500	1	*
	Croydon ...	1026·3	+6	SSW	3	ir_o	51	95	6	5	-	-	10	10	450	1	*
	S. Farnborough	1026·5	+4	SW	3	ir_o	51	95	7	5	-	-	10	10	1500	1	*
	Boscombe Down	1027·0	+14	W'N	4	ir_o	51	95	7	6	2	-	10	10	800	1	*
	Calshot (Sthmtn.)	1027·4	+6	SW	4	c	51	95	7	5	-	-	10	10	800	1	§ 2
	Lympne ...	1028·3	+10	SW	3	z_o	47	95	6	5	-	-	9+	9+	450	1	§ 2
	Manston ...	1026·6	+4	SW	4	b	47	95	6	5	-	-	1	1	1500	1	*
2	Shoeburyness ...	1026·3	+6	SW	3	c	49	95	6	5	-	-	9+	9+	2500	1	*
	Felixstowe ...																
	Gorleston ...	1024·2	+8	NW'N	4	o/r	47	95	6	6	-	-	10	10	1500	1	2
	Mildenhall ...	1026·1	+26	NNW	4	id_o	44	95	6	5	-	-	10	10	800	1	*
	Cranwell ...	1026·0	+16	W	2	ir_o	43	95	5	6	2	-	9	10	1500	1	*
3	Birmingham ...	1027·6	+26	W	2	ir_o	43	85	5	6	-	-	10	10	1500	1	*
	Upper Heyford	1027·2	+30	NW	3	o/r	42	95	5	-	2	-	10	10	800	1	*
4	Ross-on-Wye	1027·5	+26	W'S	1	c	44	95	6	5	2	-	2-3	10	1500	1	*
5	Portland Bill ...	1027·0	+10	WSW	4	c	52	95	7	4	-	-	9+	9+	2500	1	4
	Plymouth ...	1026·6	+28	NW	4	id_o	48	95	6	6	-	-	10	10	450	1	1
	The Lizard ...	1029·8	+26	NW'N	4	c/pr	46	95	7	5	2	-	9+	10	1500	1	3
	Scilly (St.Mary's)	1030·6	+30	N'E	3	c	47	75	8	5	-	-	10	10	1500	1	2
	Guernsey ...	1029·5	+10	SW'W	3	c	52	95	7	8	-	-	7-8	7-8	4000	1	2
6	Pembroke ...	1028·3	+24	NW	3	c	48	75	7	5	-	-	7-8	7-8	2500	1	2
7	Holyhead ...	1026·9	+22	WNW	4	bc	47	85	8	2	-	-	4-6	4-6	2500	1	2
	Chester(Sealand)	1026·6	+20	W'S	3	z_o	46	85	6	6	-	-	10	10	4000	1	*
8	Manchester ...	1026·2	+18	W'S	2	z_o	44	95	6	5	2	-	4-6	10	1500	1	*
10	Spurn Head ...	1024·2	+18	W'N	4	c	43	95	7	5	2	-	4-6	10	1500	1	3
	Catterick ...	1023·8	+12	W'S	3	c	43	85	8	-	3	-	0	7-8	-	1	*
	Tynemouth ...	1022·1	+16	W	3	bc	43	85	6	4	-	-	4-6	4-6	2500	1	2
11	Inchkeith ...	1021·6	+12	SSW	3	z_o	41	95	6	5	-	-	2-3	2-3	1500	0	2
	Leuchars ...	1020·7	+16	W	3	b	37	75	8	5	-	-	Tr	Tr	4000	1	*
12	Renfrew (Abbotsl.)	1022·6	+18	W	3	bc/pr	38	95	7	8	-	-	4-6	4-6	2500	1	*
	Eskdalemuir ...	1023·4	+18	WSW	3	bc/pr	38	85	8	5	-	-	4-6	4-6	1500	1	*
	Point of Ayre...	1025·7	+22	NW'N	5	bc	44	95	8	2	6	-	2-3	4-6	1500	1	2
13A	Tiree	1022·7	+32	WNW	5	bc	43	75	9	8	-	3	4-6	4-6	2500	1	3
13B	Stornoway ...	1020·0	+30	NW	4	c	40	85	8	8	7	-	4-6	7-8	1500	1	2
15	Dalwhinnie ...	1021·9	+24	WSW	3	ir_o	36	75	7	4	6	-	4-6	7-8	2500	1	*
	Aberdeen ...	1019·9	+22	SSW	2	b	39	75	7	-	-	-	0	0	-	1	1
	Wick ...	1016·7	+20	W	3	c/r	36	95	8	5	6	-	7-8	9	800	1	2
16	Lerwick ...	1011·0	+20	W	5	c/pr	38	75	8	8	-	-	7-8	7-8	800	1	*
17	Blacksod Point	1026·9	+28	NW	3	bc	44	75	8	3	-	-	4-6	4-6	1500	1	3
18	Malin Head ...	1024·5	+30	W	4	jp	44	85	7	8	-	-	7-8	7-8	1500	1	3
	Aldergrove ...	1026·2	+20	SSW	3	bc	38	95	8	5	-	-	2-3	2-3	2500	1	*
19	Birr Castle ...	1028·1	*	N	1	bc	38	95	8	-	4	-	0	2-3	-	1	*
20	Valentia Obsy. †	1031·6	+30	WNW	3	b	47	65	9	1	-	-	1	1	2500	1	3
	Roches Point	1031·0	+20	NW	3	b	44	85	8	5	-	-	1	1	2500	1	3

PAST 24 HOURS. WEATHER.

District	Stations. (For heights see p. 4.)	7h.—13h. 22nd (37)	13h.—18h. 22nd (38)	18h. 22nd to 1h. 23rd (39)	1h.—7h. 23rd (40)
1	London (Kew)	cb,cbc	bcz$_o$c	rir$_o$c	bcbm$_o$x
	Croydon ...	acid,per$_o$	crz$_o$ir$_o$	r$_y$,m$_o$c	c,bwm$_o$
	S. Farnborough	cbc	ccir$_o$c	ORRbc	bm$_o$x
	Boscombe Down	cbc	bccir$_o$	cir$_o$	cir$_o$b
	Calshot (Sthmtn.)	cbcc	c	cr$_o$	cbcbx
	Lympne ...	acd,cr$_o$	crr$_o$	om$_o$r$_o$	c,bm$_y$F
	Manston ...	bom$_o$	obm$_o$	bom$_o$r$_o$	c,bm$_o$m
2	Shoeburyness ...	b,cbcm$_o$	bcm$_o$crz$_o$	m$_o$rrc	cbxm$_o$
	Felixstowe ...				
	Gorleston ...	cmbcz$_o$	bcor$_o$	or$_o$cb	bcz$_o$
	Mildenhall ...	bccz$_o$	cd$_o$or$_o$	or,rrc	cbcb
	Cranwell ...	bbcc	cDDr$_o$c	ir$_o$bcb	b
3	Birmingham ...	c	orr$_o$	cpr$_o$b	b
	Upper Heyford	bcerm$_o$c	dr$_o$r$_o$Rr$_o$	or$_o$m$_o$cb	bx
4	Ross-on-Wye	co	poc	cb	bx
5	Portland Bill ...	c	cprc	bcbc	bc
	Plymouth ...	cd$_o$r$_o$r$_o$	cr$_o$id,m$_o$	cd$_o$m$_o$bc	bw
	The Lizard ...	bcpr$_o$	cpr$_o$c	pr$_o$bc	bc
	Scilly (St.Mary's)	cd$_o$c	cid$_o$	cbcp$_o$	bc
	Guernsey ...	ocbc	bcc	cor$_o$c	cbc
6	Pembroke ...	cqmd$_o$d	c	bcb	
7	Holyhead ...	r$_o$r$_o$m$_o$	c,bc	bc,b	bw
	Chester(Sealand)	crrm$_o$ir$_o$	cir$_o$	cm$_o$PRbc	bc
8	Manchester ...	oddr$_o$r$_o$	cr$_o$r$_o$ir$_o$c	prbm	bmfx
10	Spurn Head ...	coir$_o$	ir$_o$c	cbcb	bbc
	Catterick ...	om$_o$d$_o$cr$_o$	c	cbcb	b
	Tynemouth ...	o	obc	bcb	bbc
11	Inchkeith ...	c	cbcz$_o$	z$_o$bc	bc
	Leuchars ...	c	cbcb	bx	bxbcx
12	Renfrew (Abbotsl.)	rr$_o$bcpr$_o$	cpr$_o$bc	bcbx	bxcx
	Eskdalemuir ...	c	prypr$_o$	bcprb	bx
	Point of Ayre...	oc	cbc	bcbb	bc
13A	Tiree	cbcb	bPR	bcpr	bc
13B	Stornoway ...	cpbzq	cpbrq	cbc	bc
15	Dalwhinnie ...	ir$_o$	dro	*	bcc
	Aberdeen ...	cz$_o$bc	bcb	bz$_o$xc	cbcz$_o$
	Wick ...	cpr$_o$c	crrc	c	c
16	Lerwick ...	cpr	cpbr	cps	c
17	Blacksod Point	prbc	pr$_o$c	bc	pr$_o$cq
18	Malin Head ...	c	cpbr	cpr	c
	Aldergrove ...	cbc	bccpr$_o$	bcbw	bwx
19	Birr Castle ...	c	cbc	bc	bcx
20	Valentia Obsy. †	cprbc	bcb	bceprbc	bcbx
	Roches Point	cir$_o$c	cbcb	bbw	bx

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo- stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

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

† Sea disturbance reported from Dungeness.

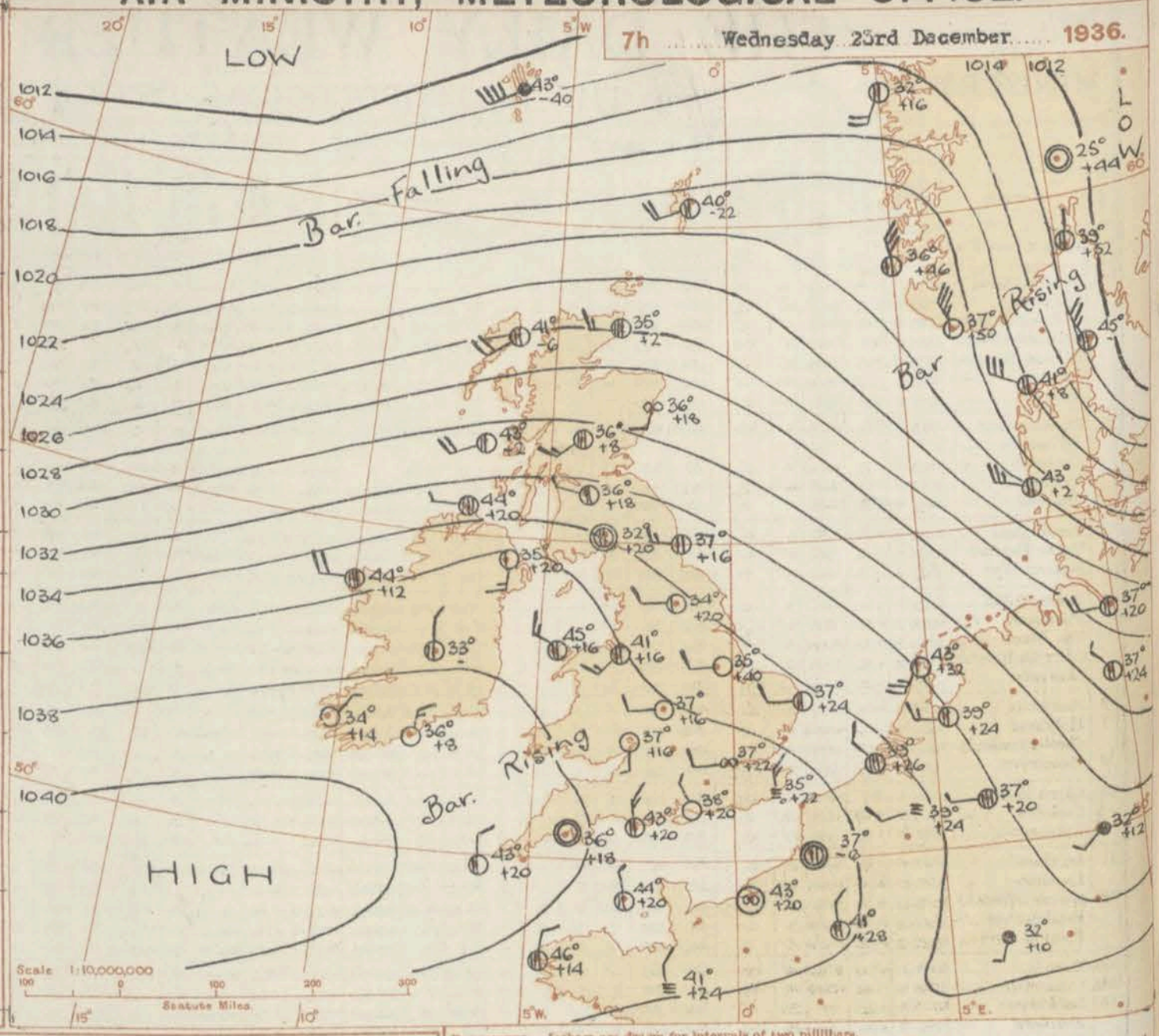
REPORTS from HEALTH RESORTS for..December..22nd..1936.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F) Min. 9h. 21st to 9h. 22nd	Temperature (F) Max. 9h.—17h. ..22nd.	Rainfall (mm) Night. 17h. 21st to 9h. 22nd	Rainfall (mm) Day. 9h.—17h. ..22nd	Sunshine (hrs) Sunrise to Sunset. ..22nd
1	Tunbridge W.	oco	o	37	50	-	-	0·0
	Bournemouth	oco	o	45	53	-	-	0·1
	Ventnor ...	com	ou	42	51	-	-	0·3
	Southsea ...	c	c	42	52	-	-	1·2
	Bognor Regis	o	ocbc	43	49	-	-	0·2
	Littlehampton	c	co	43	49	-	-	0·0
	Worthing ...	o	o	42	49	Trace	-	0·0
	Brighton ...	c	bcc	43	49	-	-	0·2
	Eastbourne†	co	o	44	50	-	-	0·0
	Hastings† ...	coc	bcco	42	49	-	-	0·0
	Folkestone ...	odc	cbcc	39	50	-	Trace	4·5
	Dover... ...	c	cbco	40	49	-	-	0·6
	Deal	cooc	cbcc	38	49	-	-	2·2
	Ramsgate ...	bc	bcc	39	50	-	-	1·8
	Margate ...	cbc	bc	39	51	-	-	2·9
2	Southend ...	cbcb	bbcc	39	51	Trace	-	3·9
	Maldon ...	mcb	bco	35	52	-	-	2·8
	Clacton-on-Sea	cbc	bcc	39	49	-	-	1·0
	Dovercourt ...	bcc	bbc	37	49	-	-	1·7
	Lowestoft ...	bbccb	bbcc	36	49	-	-	4·2
	Skegness ...	b	cidrz	40	50	-	1	2·7
	Mablethorpe	rrbcc	odprz	38	47	-	1	1·4
	Cleethorpes...	bco	or	40	49	-	Trace	0·9
3	Leamington S.	o	od	42	53	-	2	0·0
4	Cheltenham†	cbcc	coorr	43	53	-	4	0·6
5	Bath	cbc	cr	44	54	Trace	1	0·5
	Weymouth ...	c	bcrc	45	54	-	0·5	0·5
	Jersey ...	o	cbc	38	50	-	-	1·3
	Torquay ...	cod	rp	46	54	-	1	0·1
	Penzance ...	c	cid	51	54	-	0·2	0·0
	St. Ives ...	c	d	50	54	-	0·3	0·0
	Bude	c	dod	47	54	-	1	0·0
	Ilfracombe ...	cbcco	ocpco	49	54	-	0·2	0·0
6	Aberystwyth	ddc	c	44	50	2	1	0·0
7	Llandudno ...	roc	c	45	46	7	0·5	0·0
	Colwyn Bay...	orro	oc	43	46	7	1	0·0
	Rhyl	odd	oc	43	*47	7	2	0·0
8	Wallasey ...	irc	c	43	46	2	1	0·0
	Southport‖ ...	ro	ocbc	43	45	2	1	0·0
	Blackpool ...	oro	opc	43	46	3	0·1	0·0
	Morecambe ...	irc	c	42	45	2	0·3	0·0
9	Ilkley... ...	op	opo	44	*45	0·5	0·6	0·0
	Harrogate ...	od	co	45	45	0·1	0·6	0·0
10	Berwick-on-T.	c	cbcb	41	45	6	-	0·0
11	Dunbar	bc	bc	41	44	5	-	0·1
12	Troon... ...	ocohc	ccrc	42	51	9	2	0·0
	Douglas ...	c	cbc	41	45	2	-	0·0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Wednesday 23rd December ..... 1936.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 23rd December, 1936.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ...	Light west wind; fair; local fog; average day temperature, frost at night.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Light or moderate west wind; fair; local mist or fog; average temperature, frost locally at night.
13 A. W. Scotld. B.N.W.Scotland 14 Mid Scotland 15 N. E. Scotland	Freshening southwest wind; cloudy, slight rain locally; average temperature.
16 Orkney and Shetland	Strong southwest wind; gale at times; occasional rain; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light or moderate southwest wind; fair; local morning fog; average day temperature, frost locally at night.

L.9.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 5/10 to 9/10 clouded. Sky 9/10 to 10/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A large anticyclone off southwest Ireland and a deep depression over Iceland are moving eastwards. A deepening depression off the coast of Newfoundland will probably move eastnortheast. Weather will be fair apart from some rain or drizzle in the extreme North and local fog in the South and Midlands.

FURTHER OUTLOOK.

Fair in the South, apart from local fog; unsettled in the North.

TIME OF ISSUE OF GALE WARNINGS.

South cone hoisted at 0800 on 23rd in districts 13B & 16.

Forecasts issued at 1030 G.M.T.

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

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

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

Morning of

WEDNESDAY.
23rd DECEMBER.

1936.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = 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 23rd December, 1936.
No. 27425

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1032·8	+18	W'S	3	Z_o	41	95	5	5	–	–	9	9	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1032·2	+26	N	2	c/r	40	85	7	5	6	–	7-8	9	4000
	Manston ...	142	1031·4	+20	NW'W	1	c/r	41	95	6	–	2	–	9	9	4000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1029·2	+16	WSW	3	b	40	95	6	–	–	–	0	0	–
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1033·5	+20	NNW	3	bc	47	95	8	4	–	–	2-3	2-3	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1035·3	+20	NNW	3	bc	43	95	8	2	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	163	1036·0	+24	N'W	3	bc	47	75	8	2	–	–	2-3	2-3	2500
	Guernsey ..	175	1035·1	+30	N	1	c	47	85	6	8	–	–	9	9	2500
6	Pembroke ...	142	1033·5	+20	NW	3	b	45	75	7	5	–	–	Tr	Tr	3000
7	Holyhead ...	26	1032·2	+20	NNW	4	b	45	95	8	1	–	–	1	1	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1028·6	+18	W'N	5	b	41	85	7	–	–	–	0	0	–
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1028·1	+16	W	3	b	39	85	7	–	–	–	0	0	–
11	Inchkeith ...	190	1027·4	+24	SSW	3	bc	39	95	7	5	–	–	2-3	2-3	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1030·6	+20	NW	5	b	43	95	8	–	–	–	0	0	–
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1027·4	+16	SW	3	bc	36	85	8	5	7	–	1	2-3	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1025·7	+34	WNW	3	c	36	75	8	8	7	–	4-6	7-8	1500
16	Lerwick ...	156	1022·2	+40	NW	4	c	35	75	8	9	8	–	4-6	7-8	800
17	Blacksod Point	18	1033·9	+14	SW	3	bc	42	85	8	3	–	–	4-6	4-6	1500
18	Malin Head ...	52	1031·3	+28	W	1	jp	43	95	7	8	–	–	7-8	7-8	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1036·5	+20	WNW	3	bc	46	95	8	2	–	–	2-3	2-3	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1037·4	+24	SW	2	Z_o	36	95	5	–	–	–	0	0	–	5	*
	Croydon ...	1036·9	+22	W'S	2	Z_o	37	95	6	–	–	–	0	0	–	1	*
	S. Farnborough	1037·7	+22	W'N	1	b	32	95	6	–	–	–	0	0	–	1	*
	Boscombe Down	1038·2	+18	N'W	2	bc	34	95	7	5	–	–	2-3	2-3	2500	1	*
	Calshot (Sthmtn.)	1037·0	+20	NW'N	1	b	38	95	7	–	–	–	0	0	–	1	*
	Lympne ...	1036·6	+22	NNW	3	m	35	95	4	–	–	–	0	0	–	1	*
	Manston ...	1035·9	+24	NW'W	2	Z_o	35	95	6	5	–	–	Tr	Tr	800	1	*
2	Shoeburyness ...	1036·1	+28	NW	1	b	36	95	5	–	–	–	0	0	–	1	*
	Felixstowe ...																
	Gorleston ...	1034·6	+24	W	2	bc	37	95	6	–	2	–	0	2-3	–	1	2
	Mildenhall ...	1035·6	+28	WSW	2	b	34	95	7	–	–	–	0	0	–	1	*
	Cranwell ...	1035·3	+40	W	2	b	35	95	7	–	–	–	0	0	–	1	*
3	Birmingham ...	1036·7	+16	W	2	b	37	85	6	–	–	–	0	0	–	1	*
	Upper Heyford	1037·1	+24	W	2	b	34	95	7	–	–	–	0	0	–	1	*
4	Ross-on-Wye	1036·8	+16	S	1	b	37	85	8	–	–	–	0	0	–	1	*
5	Portland Bill ...	1037·2	+20	N	3	bc	43	95	8	4	–	–	2-3	2-3	2500	1	3
	Plymouth ...	1038·5	+18	–	0	b	36	95	7	–	–	–	0	0	–	1	0
	The Lizard ...	1038·2	+16	NW'N	3	bc	42	75	8	3	–	–	2-3	2-3	2500	1	2
	Scilly (St. Mary's)	1039·4	+20	N	2	bc	43	75	8	7	–	–	2-3	2-3	2500	1	2
	Guernsey ..	1037·8	+20	N'W	1	bc	44	85	9	2	–	–	4-6	4-6	2500	1	2
6	Pembroke ...	1037·4	+12	NNW	2	bc	43	85	7	5	–	–	4-6	4-6	2500	1	2
7	Holyhead ...	1036·3	+16	NW	3	b	45	95	8	1	–	–	1	1	2500	1	2
	Chester (Sealand)																
8	Manchester ...	1035·5	+16	SW	3	bc	41	85	6	5	–	–	2-3	2-3	2500	1	*
		1035·8	+24	SSW	1	F+	34	95	3	–	3	–	0	1	–	1	*
10	Spurn Head ...	1034·2	+24	WNW	4	b	38	95	7	–	1	–	0	1	–	0	3
	Catterick ...	1034·3	+20	W	2	b	34	95	8	4	–	–	1	1	2500	1	*
	Tynemouth ...	1032·8	+16	W	3	bc	37	95	7	4	–	–	4-6	4-6	1500	1	1
11	Inchkeith ...	1031·6	+20	SSW	3	bc	38	95	7	5	–	–	4-6	4-6	2500	0	1
	Leuchars ...	1032·0	+18	WSW	2	bc	33	85	8	5	–	1	4-6	4-6	4000	4	*
12	Renfrew (Abbots I.)	1033·0	+18	WNW	1	c	36	95	7	4	–	–	7-8	7-8	4000	1	*
	Eskdalemuir ...	1034·7	+20	–	0	bc	32	95	7	5	–	–	2-3	2-3	2500	4	*
	Point of Ayre ...	1035·1	+12	NW'W	4	b	43	95	8	–	8	–	0	1	–	1	2
13A	Tiree	1030·8	+2	WSW	4	bc	43	75	7	8	–	–	4-6	4-6	2500	0	
13B	Stornoway ...	1027·2	-6	SW	4	bc	41	85	9	5	7	–	2-3	2-3	2500	1	2
15	Dalwhinnie ...	1032·5	+8	SW	3	c	36	75	7	4	6	–	4-6	7-8	2500	0	*
	Aberdeen ...	1030·7	+18	S'W	2	Z_o	36	75	6	5	–	–	7-8	7-8	2500	1	1
	Wick ...	1027·2	+2	W	3	c	35	85	8	8	7	–	4-6	7-8	1500	1	2
16	Lerwick ...	1022·8	-22	WSW	4	c	40	75	8	8	7	–	4-6	7-8	800	1	*
17	Blacksod Point	1035·7	+12	W	4	c	44	85	8	8	–	–	7-8	7-8	1500	1	3
18	Malin Head ...	1034·1	+20	W	1	c	44	95	7	4	–	–	7-8	7-8	2500	0	2
	Aldergrove ...	1036·0	+20	S'W	3	b	35	95	7	5	–	–	Tr	Tr	1500	1	*
19	Birr Castle ...	1037·6	*	N	1	bc	33	95	8	–	4	–	0	2-3	–	1	*
20	Valentia Obsy. †	1038·8	+14	NE'E	1	b	34	95	8	7	–	–	Tr	Tr	2500	5	3
	Roches Point	1039·5	+8	NNE	3	b	36	95	8	–	–	–	0	0	–	1	3

PAST 24 HOURS.

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

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	cb, cbc	bc, c	rir, cbmg	52	35	29	–	1	2·0	•	•	4
Croydon	217	ocid, pcm	cm, ir,	rr, me	52	37	32	Tr	3	0·7	•	•	6
Greenwich (Royal Observatory) ...	149	bc	c	cdd, bxf	52	35	27	–	1	2·0	85	93	3
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	0·2	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	53	35	30	2		2·0	79	99	•
Regents Pk. (Botanic Gardens)† ...	168	•	•	•	54	36	32	–	2	1·2	79	95	•
Camden Square	110	bcb, c	c	•	53	36	29	–	2	•	•	96	•
Kensington	80	bc	bc	•	53	36	26	–	1	1·8	A 18h. 85	95	•
Hampstead Observatory	459	c	c,	orm	52	34	24	–	2	0·3	•	97	•

FOREIGN OBSERVATIONS

Stations	18h. G.M.T. December 22nd. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. December 23rd. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1031·8	–	0	F+	37	1036·5	N	2	bc	41
Brussels	1029·6	SW	3	dF	32	1034·0	WSW	2	F+	39
Berlin	1026·0	E	1	m	32	1024·2	WNW	4	dr	37
Zürich	1032·0	S	1	f	32	1035·0	WNW	1	f	28
Rome	1027·1	NNE	2	b	45	1027·4	ENE	3	Z_o	34

Past 24 Hours.	Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
	37	37	–	0·1
	34	32	Tr	2
	30	30	–	0·6
	32	28	–	–
	45	43	–	–

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 23rd

South Kensington.

Max.	Time.	Min.	Time.
0·6	17-20h 22nd	0·3	3-5h 23rd

Kew Observatory.

Max.	Time.	Min.	Time.
0·2	22h 22nd	0·1	5h 23rd

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 24th December, 1936.
No. 27426

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. December 23rd: Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. F. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)	OBSERVATIONS at 18h. G.M.T. December 23rd: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)	PAST 24 HOURS. Weather. 7h.—13h. ...23rd (37)	13h.—18h. ...23rd (38)	18h. 23rd to 1h. 24th (39)	1h.—7h. ...24th (40)
1	London (Kew)	1038·7	- 2	W	2	z_o	45	85	5	-	-	7	0	9+	-	1040·5	+4	SW'W	1	m	39	95	4	-	-	-	0	0	-	1	*	bmxcm$_o$	cz$_o$bmx	bxF	offx
	Croydon ...	1039·5	+2	WNW	3	m	44	75	4	-	-	4	0	2-3	-	1040·5	+6	WSW	3	z_o	38	93	5	-	-	1	0	2-3	-	1	*	bwm$_o$m	bzm$_o$m$_o$	bcmm$_o$x	bcbm$_o$x
	S. Farnborough	1040·1	+2	W'N	1	bc	45	75	7	-	-	4	0	2-3	-	1040·9	+2	WSW	1	z_o	35	86	6	-	-	2	0	2-3	-	1	*	xbfbm$_o$	bcm$_o$	bfFFx	bFxbmx
	Boscombe Down	1040·4	0	W	2	b	45	95	7	-	-	4	0	1	-	1041·1	+14	WSW	1	b	39	95	7	-	-	-	0	0	-	1	*	bbm$_o$b	b	bbfffx	bffx
	Calshot (Sthmtn.)	1040·2	+4	WNW	2	z_o	44	85	6	7	4	-	1	1	4000	1040·8	+6	SW	1	z_o	39	95	6	-	-	-	0	Tr	-	1	0	bbmxbm$_o$	bm$_o$	bwmbxff	xf
	Lympne ...	1039·8	+2	WNW	1	z_o	44	85	5	-	-	6	-	2-3	-	1040·6	+4	NW	2	m	37	95	4	-	-	-	0	0	-	1	0	bmbwbc$_o$	bbcm$_o$m$_o$	bmwffx	bcm$_o$bFx
	Manston ...	1039·1	+6	WNW	2	bc	43	85	6	-	-	2	0	2-3	-	1040·1	+2	NW	1	z_o	39	95	5	-	-	1	0	2-3	-	1	*	bbcm$_o$	bcm$_o$	bcm$_o$bmx	bxmm$_o$
2	Shoeburyness ...	1039·1	+6	NW'W	2	bc	44	85	6	-	-	4	0	2-3	-	1039·8	+2	W	1	m	37	95	4	-	-	-	0	0	-	1	*	bm$_o$bc	bcm$_o$bm$_o$	bm, cpm$_o$	bm$_o$bxm
	Felixstowe ...																																		
	Gorleston ...	1036·4	+10	W'N	2	bc	41	85	5	-	7	-	0	4-6	-	1039·0	+4	WSW	2	z_o	37	95	5	5	-	-	4-6	4-6	2500	1	2	bcz$_o$	bcz$_o$z$_o$	bm$_o$x	bbcmx
	Mildenhall ...	1039·2	+10	WNW	3	z_o	43	85	5	-	-	4	0	2-3	-	1039·4	+2	SW'W	2	m	36	95	4	-	-	-	0	0	-	1	*	bbm$_o$z$_o$	bcz$_o$bmw	bm$_o$wx	bm$_o$x
	Cranwell ...	1038·1	+4	W'S	3	z_o	41	85	5	-	-	6	0	4-6	-	1038·6	+2	WSW	2	z_o	37	95	5	-	-	-	0	0	-	1	*	bxbcm$_o$	bcbm$_o$	bbcm$_o$	bcm$_o$
3	Birmingham ...	1039·2	+2	W	2	z_o	42	75	5	-	-	1	0	2-3	-	1039·6	+4	SW	2	z_o	38	95	5	-	-	6	0	4-6	-	1	*	bbc	bc	bcb	bxc
	Upper Heyford	1039·6	- 2	W	2	bc	43	85	7	-	3	2	0	4-6	-	1040·7	+6	W	1	z_o	35	95	6	-	-	2	0	2-3	-	1	*	bxbc	bczz	bcbxbf	fmxbc
4	Ross-on-Wye	1039·0	+8	SSW	2	bc	46	65	8	1	-	2	Tr	4-6	2500	1039·7	+6	S	1	z_o	38	95	6	-	-	1	0	1	-	1	*	bbc	bc	bcm$_o$b	bxbc
5	Portland Bill ...	1040·1	+6	NW	3	bc	48	85	8	4	-	-	2-3	2-3	2500	1040·3	+6	NW	3	b	44	85	8	-	-	-	0	0	-	1	3	bc	bcb	bc	bcc
	Plymouth ...	1040·9	+2	S	1	z_o	50	75	6	1	-	-	Tr	Tr	2500	1041·2	+8	NE	1	z_o	41	95	5	5	-	-	2-3	2-3	1500	1	1	bm$_o$z$_o$	bbcbm$_o$	bm$_o$	bbcxcm$_o$
	The Lizard ...	1040·7	+4	-	0	bc	51	65	8	2	-	-	2-3	2-3	2500	1041·3	+6	NNW	1	bc	43	85	8	2	-	-	2-3	2-3	2500	1	1	bc	bc	bcx	bxc
	Scilly (St.Mary's)	1041·2	+6	N'E	1	bc	50	65	8	1	-	-	4-6	4-6	2500	1041·7	+4	N'E	1	bc	44	75	8	2	5	-	2-3	4-6	2500	1	2	bc	bc	bcwx	bxc
	Guernsey ...	1040·0	0	NNE	1	bc	48	75	9	2	-	-	4-6	4-6	2500	1041·1	+6	-	0	bc	39	95	7	1	-	-	4-6	4-6	2500	1	1	bc	bcw	bcbcw	bcw
6	Pembroke ...	1039·4	+8	NW'N	1	bc	48	75	8	5	3	-	1	2-3	4000	1040·8	+4	W'N	2	c	46	75	8	5	-	-	7-8	7-8	2500	1	1	bc	bcvc	bcc	c
7	Holyhead ...	1038·8	+4	W'N	3	c	47	85	8	2	4	8	Tr	9	4000	1038·8	0	WSW	2	c	45	85	8	7	-	8	2-3	7-8	4000	1	2	bc⊕	cbc◐	bc, ⊞	c
	Chester(Sealand)	1038·5	+4	W'S	2	c	47	65	7	8	7	8	1	7-8	2500	1038·8	+6	SSW	2	z_o	40	85	5	-	1	6	0	4-6	-	1	*	bcm$_o$c	ccm$_o$	cm$_o$bc	bccid$_o$
8	Manchester ...	1038·7	+6	SSW	2	f-	41	95	3	8	3	1	4-6	7-8	2500	1038·8	+2	SW'W	3	ra	37	95	4	-	4	6	0	7-8	-	1	*	bcfg	fm$_o$cbcw	bcm	bcmxcic
10	Spurn Head ...	1037·2	+6	W'N	4	m	42	85	4	5	7	-	4-6	7-8	800	1037·4	+2	WSW	3	z_o	38	95	5	5	1	-	2-3	4-6	800	0	2	bccm	fmbcz	bcz	zbcc
	Catterick ...	1036·5	- 2	WSW	2	bc	42	75	8	2	4	6	Tr	4-6	4000	1035·1	-12	W'S	4	bc	42	85	8	-	-	6	0	4-6	-	1	*	bxcbc	bc◐	bcc	c
	Tynemouth ...	1034·7	+4	WSW	2	bc	41	85	6	2	-	1	4-6	4-6	1500	1034·2	- 4	SW	2	bc	43	75	6	4	3	-	2-3	4-6	2500	1	1	bc	bc	bcc	bco
11	Inchkeith ...	1033·5	+4	SSW	4	c	42	95	6	5	6	3	4-6	9+	1500	1030·3	-10	SW	6	c	44	95	7	5	-	-	10	10	2500	0	4	bcc	cq	cqc	c
	Leuchars ...	1031·5	-12	SW	3	z_o	41	85	6	5	4	6	1	8	4000	1030·5	+2	WSW	4	c	43	85	8	5	7	-	2-3	10	2500	1	*	bxz$_o$cz$_o$	cz$_o$cz$_o$	cz$_o$c◐$_o$	cqc
12	Renfrew (Abbots I.)	1034·0	- 4	SW'W	3	c	44	85	8	5	3	8	8	9+	4000	1032·9	- 4	WSW	5	c	45	85	7	5	-	-	10	10	1500	1	*	xbcm$_o$c	cid$_o$	cid$_o$c	cbc
	Eskdalemuir ...	1035·6	+2	S'W	4	c	37	95	7	5	4	6	4-6	7-8	800	1034·4	- 2	S'W	4	c	39	95	6	5	-	-	9+	9+	1500	1	*	c	c	c	cwpr
	Point of Ayre...	1037·4	+14	W'N	4	bc	46	85	8	1	9	4	Tr	4-6	2500	1037·1	0	W	4	bc	43	95	8	-	4	-	0	4-6	-	1	2	bc	bc	bcc	co
13A	Tiree	1031·1	-12	WSW	5	c	48	85	8	5	-	-	9+	9+	2500	1030·6	+2	W'S	5	c	48	85	8	5	-	-	9	9	2500	1	3	bcc	cid$_o$	c	c
13B	Stornoway ...	1024·8	-14	SW	7	c	48	85	8	5	7	-	7-8	9+	2500	1023·7	-6	WSW	7	r$_o$r$_o$	48	95	6	5	2	-	9	10	1500	1	4	bcc	cr$_o$p$_o$	r$_o$r$_o$c	cr$_o$r$_o$c
15	Dalwhinnie ...	1031·6	-16	SW	3	c	40	75	7	4	5	2	2-3	9+	2500	1030·3	- 4	SW	3	c	42	75	8	4	4	-	7-8	9	2500	0	*	c	c		cir
	Aberdeen ...	1028·6	-22	S'W	2	z_o	40	75	6	5	7	6	1	7-8	5700	1026·6	- 2	SW	2	z_o	45	65	6	-	7	-	0	9+	-	1	1	bcz$_o$	cz$_o$	cz$_o$c	cbc
	Wick ...	1024·5	-20	SW	4	c	44	75	8	8	7	6	4-6	9	1500	1022·6	+2	W	3	c	46	85	8	5	6	-	7-8	9+	1500	1	2	c	c	c	irc
16	Lerwick ...	1014·7	-48	WSW	8	c/pr	46	85	7	8	7	-	7-8	10	800	1014·0	- 2	W	8	c	49	85	7	8	2	-	7-8	10	800	1	*	cpr$_o$	cpr$_o$	cpr$_o$	c
17	Blacksod Point	1037·0	+6	WSW	3	c	48	85	8	8	-	-	7-8	7-8	1500	1037·0	0	WSW	4	c	48	85	8	8	-	-	7-8	7-8	1500	1	3	cbc	pr$_o$c	pr$_o$c	pr$_o$cq
18	Malin Head ...	1034·5	- 2	SW	4	c	46	95	7	8	-	-	9+	9+	2500	1035·9	-18	SW	3	c	46	95	7	8	-	-	9+	9+	1500	1	2	cpr$_o$	c	c	c
	Aldergrove ...	1037·4	- 2	SSW	3	c	37	95	6	8	7	-	2-3	9+	2500	1036·5	- 2	SSW	4	c	41	95	7	5	-	-	9+	8+	2500	1	*	bxbccm$_o$	cm$_o$c	c	cpr$_o$c
19	Birr Castle ...	1039·3	*	SSW	1	c	39	95	8	5	-	-	7-8	7-8	2500	1038·6	*	SSW	1	bc	38	95	8	-	4	-	0	2-3	-	1	*	bcc	cbc	bcc	cxpr$_o$
20	Valentia Obsy. †	1040·6	- 2	ESE	1	bc	44	95	8	8	-	-	2-3	2-3	1500	1040·5	+2	S'E	2	c/pr	45	95	8	5	-	-	9+	9+	1500	1	3	bxpr$_o$bc	bcpr$_o$c	cpr$_o$c	cpr$_o$c
	Roches Point	1040·3	+6	N	2	b	43	95	6	-	-	1	0	1	-	1041·2	+2	W	2	bc	44	95	8	5	-	2	2-3	2-3	2500	1	2	bz$_o$	bzbcw	bcw	bxz$_o$

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity; thus R, heavy rain. r$_o$, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ◐ lunar halo. ⫽ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; + has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo- stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

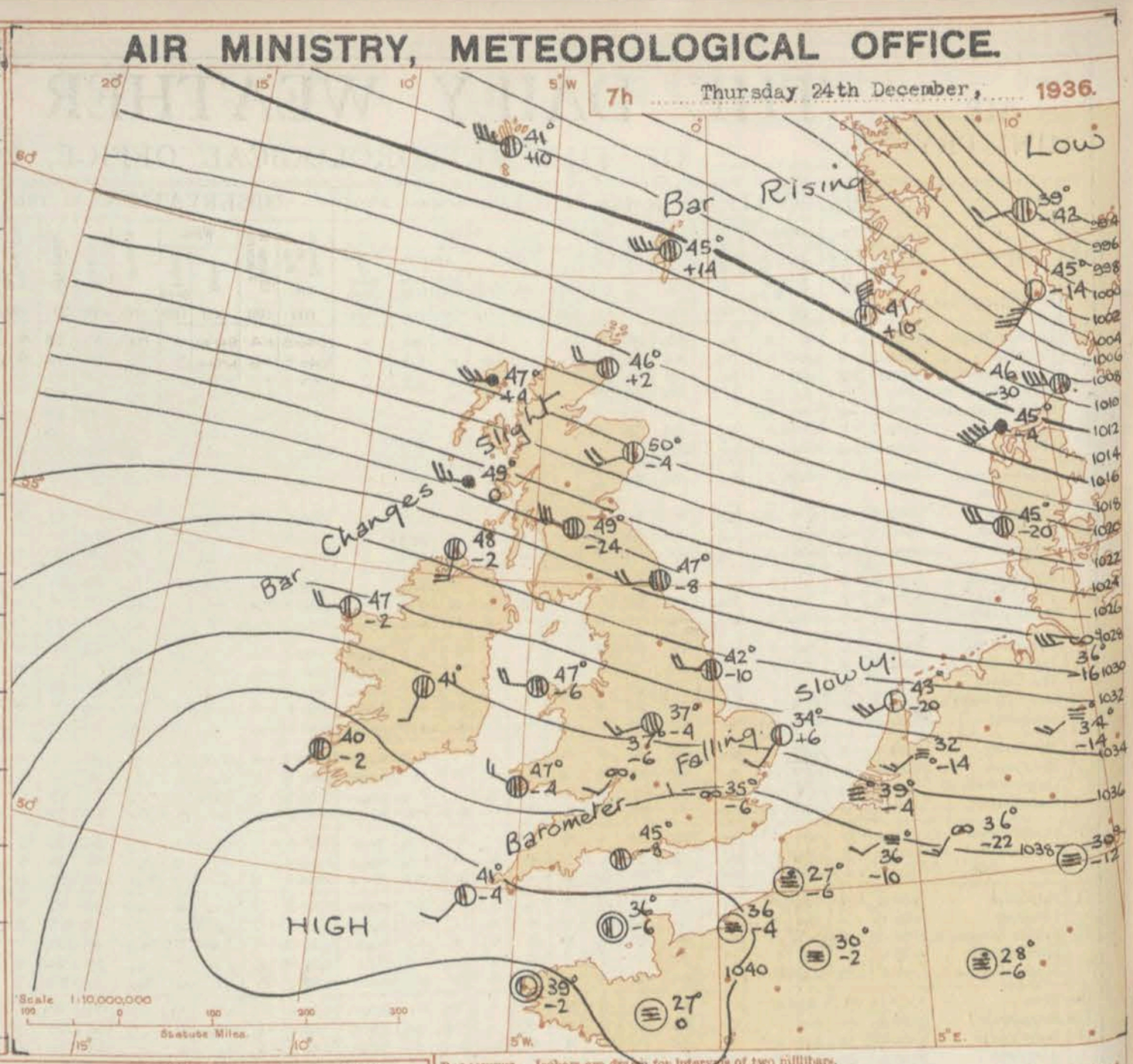
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† See disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for December 23rd 1936.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F) Min. 9h. 22nd to 9h. 23rd	Temperature (F) Max. 9h.—17h. 23rd	Rainfall (cm.) Night. 17h. 22nd to 9h. 23rd	Rainfall (cm.) Day. 9h.—17h. 23rd	Sunshine (hrs) Sunrise to Sunset. 23rd
1	Tunbridge W.	bcfb	b	30	43	2	-	5·8
	Bournemouth	b	bm	34	46	4	-	6·3
	Ventnor ...	rxb	b	37	48	2	-	6·9
	Southsea ...	b	bbm	38	44	1	-	6·4
	Bognor Regis	b	bbm	35	46	3	-	7·1
	Littlehampton	b	b	33	48	2	-	7·0
	Worthing ...	b	b	36	46	1	-	7·1
	Brighton ...	cddfb	bffb	38	47	1	Trace	5·9
	Eastbourne†	b	b	39	45	3	-	7·0
	Hastings† ...	b	b	37	53	-	-	6·5
	Folkestone ...	bczb	bbcb	37	50	1	-	4·7
	Dover... ...	mbc	mbcbf	39	46	2	-	6·2
	Deal	b	b	37	44	2	-	5·5
	Ramsgate ...	bm	bm	39	44	3	-	5·7
	Margate ...	bc	bc	41	43	2	-	6·0
2	Southend ...	bmb	bbm	36	44	3	-	5·9
	Maldon ...	mb	b	35	44	2	-	5·3
	Clacton-on-Sea	bxb	b	34	44	2	-	5·4
	Dovercourt ...	bcb	bbc	35	43	2	-	5·7
	Lowestoft ...	b	b	32	42	2	-	6·0
	Skegness ...	xbmb	bm	34	40	0·4	-	3·1
	Mablethorpe	xbcm	bccm	33	40	-	-	2·9
	Cleethorpes ...	bcm	c	35	42	-	-	0·6
3	Leamington S.	bc	bc	31	43	0·2	-	4·1
4	Cheltenham†	fbx	bcbf	30	44	0·5	-	4·9
5	Bath	b	b	31	46	0·3	-	6·9
	Weymouth ...	b	b	34	51	0·3	-	7·0
	Jersey ...	pcbc	bc	46	49	0·2	-	7·3
	Torquay ...	xbz	bbcz	34	50	1	-	7·2
	Penzance ...	b	b	39	52	Trace	-	6·8
	St. Ives ...	b	b	45	54	0·3	-	5·8
	Bude	xb	b	31	50	-	-	4·6
	Ilfracombe ...	ccbc	bc	42	47	0·2	-	5·7
6	Aberystwyth	cbc	bcc	41	48	-	-	3·4
7	Llandudno ...	c	cbc	43	47	-	-	0·7
	Colwyn Bay...	bccbc	bcb	40	46	-	-	1·0
	Rhyl	c	cbcb	37	47	0·2	-	0·7
8	Wallasey ...	mbcb	bc	42	46	0·5	-	1·3
	Southport‖ ...	cocbc	bccb	39	45	Trace	-	1·4
	Blackpool ...	c	bc	40	46	-	-	1·7
	Morecambe ...	cbbc	bccdc	37	45	1	Trace	2·1
9	Ilkley... ...	c	c	36	43	1	-	1·3
	Harrogate ...	bc	bc	35	42	-	-	1·6
10	Berwick-on-T.	bc	cbc	33	42	-	-	3·2
11	Dunbar ..	bc	bc	34	44	-	-	3·5
12	Troon... ...	cbcc	cbcc	43	48	0·5	-	0·4
	Douglas ...	cbxbc	bc	36	47	-	-	1·2

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



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:— Clear sky. Sky less than 1/8 clouded. Sky 1/8 to 4/8 clouded. Sky 5/8 to 7/8 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
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 December, 1936.
1 S.E. England 2 E. England ...	Light or moderate west wind; mainly fair; local fog; average day temperature; frost locally at night.
3 E. Midlands ... 4 W. Midlands ...	Moderate west wind; mainly fair, perhaps local showers, local fog; average day temperature, frost locally at night.
5 S.W. England 6 South Wales	As 1.
7 North Wales ... 8 N.W. England 9 N. Midlands ...	Moderate west wind; cloudy, local rain or drizzle; rather mild.
10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Moderate or fresh west wind, strong locally on coasts, backing southwest later; cloudy, occasional slight rain or drizzle; rather mild.
13 A. W. Scotld. ▼ B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland ▼	Fresh west wind, backing southwest and becoming strong to gale later on coasts; cloudy, occasional slight rain; mild.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate southwest to west wind, freshening later; mainly fair; slight local showers; rather mild.

E.S.

GENERAL INFERENCE.

An anticyclone is centred off Southwest England and shallow troughs of low pressure over Scotland are moving southeast slowly. A deep depression will approach Iceland from southwest. Weather will be mainly fair in the South apart from local fog, but there will be local rain in the North.

FURTHER OUTLOOK.

Mainly fair in the South; unsettled in the North.

Time of issue of Gale Warning.

▼ South Cone hoisted at 0800 on 23rd in districts 13B and 16.

▼ South Cone hoisted at 1000 on 24th in Dogger Bank Area.

Forecasts issued at 10.30 G.M.T.

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

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

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

Morning of

THURSDAY
24TH DECEMBER.

1936.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = 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 24th December, 1936.

No. 27426

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1040.0	-2	SW'S	3	2o	32	95	5	-	-	1	0	4.6	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1040.7	-4	WNW	5	bc/f	31	95	4	-	-	6	0	2.3	-
	Manston ...	142	1039	-6	WSW	2	m	35	95	4	-	-	1	0	2.3	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1038.0	-8	SW	2	b	34	95	5	-	-	-	0	0	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1039.6	-4	NW	2	bc	44	95	8	4	-	-	2-3	2-3	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1041.2	0	-	0	bc	41	85	8	2	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	1041.4	-2	W'N	1	bc	42	75	8	7	-	-	2-3	2-3	4000
	Guernsey ..	175	1040.1	+2	-	0	bc	37	95	5	1	-	-	4-6	4-6	2500
6	Pembroke ...	142	1035.3	-2	W	3	c	47	75	7	5	-	-	7-8	7-8	4000
7	Holyhead ...	26	1034.7	-10	W'N	4	c	47	85	8	2	-	-	7-8	7-8	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1035.1	-6	SW	4	2o	37	95	5	-	1	-	0	2.3	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1031.5	-4	W	3	c	46	75	7	3	-	-	7-8	7-8	1500
11	Inchkeith ...	190	1028.6	-10	WSW	5	c	46	95	8	5	3	-	4-6	7-8	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1035.2	-12	W'N	4	c	46	95	8	5	2	-	4-6	9	4000
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1020.7	-4	WSW	6	r.r.	49	95	6	5	7	-	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1018.9	-10	W	5	c	50	95	8	8	6	-	7-8	9	1500
16	Lerwick ...	156	1009.7	-24	W	8	c/pr	48	85	7	8	2	-	7-8	10	800
17	Blacksod Point	18	1035.8	-6	NW	4	c	46	95	7	5	-	-	10	10	800
18	Malin Head ...	52	1032.3	-6	S'W	4	c	48	95	7	8	-	-	9+	9+	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1040.0	0	W	2	bc	45	95	8	6	-	-	2-3	2-3	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	2-3	2-3	*

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

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 * (30)
1037.8	-4	WSW	2	f	33	95	2	-	-	-	10	10	4150	5	*
1038.0	-6	W'S	2	3o	35	85	5	-	-	1	0	Tr	-	1	*
1038.3	-2	W	1	3o	28	95	4	-	-	1	0	2.3	-	4	*
1038.1	-8	SW	1	f	28	95	2	-	-	-	0	0	-	1	*
1038.8	-10	-	0	f	25	95	2	-	-	-	0	0	-	1	*
1038.7	-6	WNW	3	f	30	95	2	-	-	-	0	0	-	4	0
1037.2	-10	SW'W	3	2o	34	95	6	-	4	1	0	Tr	-	1	*
1037.3	-6	W'S	2	m	35	95	4	-	-	-	0	0	-	4	*
1035.2	-6	SW'S	2	bc	34	95	6	5	-	-	4-6	4.6	2500	4	2
1038.3	-6	SW'W	3	2o	33	95	6	5	-	-	2-3	2-3	4000	1	*
1034.0	-14	WSW	4	2o	39	95	6	5	-	-	9	9	2500	1	*
1036.6	-4	WSW	3	c	37	95	8	5	-	-	9	9	2500	1	*
1037.7	-4	S	2	m	39	95	4	5	7	-	2-3	4-6	2500	1	*
1037.1	-6	SW'W	2	2o	37	89	6	5	-	-	7-8	7-8	2500	1	*
1038.4	-8	NW	3	c	45	95	8	4	4	-	4-6	7-8	2500	1	3
1039.8	-4	-	0	2o	35	95	6	5	-	-	5+	5+	4000	1	1
1039.4	-4	-	0	bc	40	85	8	2	6	-	2-3	2-3	2500	1	2
1040.1	-4	SW	2	bc	41	75	8	7	-	-	2-3	2-3	4000	1	1
1040.1	-6	-	0	bc	36	95	9	1	-	-	4-6	4-6	2500	5	1
1037.3	-4	WNW	3	c	47	85	7	5	-	-	7-8	7-8	2500	0	1
1035.7	-6	W'N	4	c	47	85	8	7	-	-	9	9	2500	1	2
1035.7	-6	WSW	1	c	45	85	7	5	-	-	10	10	2500	1	*
1035.9	-12	WSW	3	c/r	44	95	6	5	7	-	2-3	10	1500	1	*
1032.1	-10	W'S	4	c	42	85	7	5	2	-	4-6	7-8	2500	0	3
1030.8	-4	W	4	c	45	75	8	4	7	-	2-3	10	2500	1	*
1029.0	-8	W	4	o	47	75	7	6	-	-	10	10	800	1	2
1025.7	-6	SW	5	c	46	95	8	5	-	-	10	10	2500	0	3
1025.3	+2	WSW	4	c	48	75	7	5	2	-	4-6	10	2500	1	*
1027.5	-24	W'N	6	c	49	75	7	7	-	-	7-8	7-8	2500	1	*
1030.7	-2	SSE	3	c/pr	42	95	7	5	2	-	9	10	1500	1	*
1033.1	-6	W'N	5	c	46	95	8	8	-	-	10	10	1500	1	2
1026.3	0	W'S	5	id	49	95	7	5	2	-	7-8	10	1500	1	-
1021.8	+4	W	5	r.r.	47	95	6	5	2	-	7-8	10	1500	1	3
1025.6	+4	SW	6	bc	45	85	7	4	6	-	2-3	4-6	2500	1	*
1021.7	-4	WSW	4	bc	50	75	7	-	7	-	0	2-3	-	1	1
1019.1	+2	WNW	4	c	46	85	8	5	6	-	7-8	9+	1500	1	2
1012.3	+14	W	7	c	45	95	8	8	7	-	4-6	7-8	1500	1	*
1034.5	-2	W	4	bc	47	95	7	8	-	-	4-6	4.6	1500	0	3
1031.2	-2	S'W	4	c	48	95	7	8	-	-	7-8	7-8	1500	0	3
1033.4	-4	SW	4	c	43	95	7	5	-	-	9	9	800	1	*
1036.6	*	SSW	1	c/pr	41	95	8	8	-	-	7-8	7-8	1500	1	*
1038.8	-2	SW	1	c	40	95	8	5	-	-	7-8	7-8	2500	1	3
1035.3	-4	NNE	2	b	37	95	6	5	-	-	1	1	2500	1	2

PAST 24 HOURS.

District	Stations	Temperatures. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 22nd Hrs. (36)
1	London (Kew)	44	31	24	Tr	Tr	5.1
	Croydon ...	45	32	27	Tr	-	5.3
	S. Farnborough	47	26	19	-	Tr	6.9
	Boscombe Down	47	27	21	-	-	6.8
	Calshot (Sthmtn.)	46	25	27	-	-	6.6
	Lympne ...	(44)	29	23	-	Tr	4.8
	Manston ...	44	32	28	-	-	6.8
2	Shoeburyness ...	44	34	23	-	0.2	5.8
	Felixstowe ...						
	Gorleston ...						
	Mildenhall ...	43	33	30	-	-	5.0
	Cranwell ...	44	33	29	Tr	Tr	5.5
		41	35	31	Tr	-	1.1
3	Birmingham ...	43	34	32	-	-	3.3
	Upper Heyford	45	27	21	0.1	-	*
4	Ross-on-Wye						
		47	31	21	-	-	5.5
5	Portland Bill ...	49	43	*	-	-	*
	Plymouth ...						
	The Lizard ...	50	32	30	Tr	-	5.6
	Scilly (St. Mary's)	52	39	*	-	-	*
	Guernsey ..	51	40	*	-	-	6.0
		49	35	24	-	-	6.8
6	Pembroke ...	49	45	*	-	-	6.7
7	Holyhead ...	47	44	40	-	-	1.2
	Chester (Sealand)						
8	Manchester ...	47	33	27	-	Tr	3.1
		43	34	28	0.1	0.1	0.3
10	Spurn Head ...	44	36	*	-	-	0.8
	Catterick ...						
	Tynemouth ...	46	42	36	-	-	1.9
							0.3
11	Inchkeith ...	45	42	40	-	-	2.4
	Leuchars ...						
12	Renfrew (Abbotsl.)	44	43	41	-	-	3.0
	Eskdalemuir ...	45	45	42	Tr	Tr	0.2
	Point of Ayre...	39	38	38	-	Tr	1.1
		47	41	*	-	-	2.1
13A	Tiree	49	48	47	Tr	0.1	0.0
13B	Stornoway ...	48	45	*	0.4	7#	0.0
15	Dalwhinnie ...						
	Aberdeen ...	42	41	36	-	0.6	0.6
	Wick ...	46	44	39	-	-	2.1
16	Lerwick ...	46	46	*	-	1	*
		50	44	*	1	Tr	0.0
17	Blacksod Point	48	44	*	Tr	Tr	*
18	Malin Head ...						
	Aldergrove ...	50	42	*	0.1	-	0.0
		41	40	38	-	0.1	0.0
19	Birr Castle ...	44	35	28	-	0.4	2.5
20	Valentia Obsy. †	48	38	34	0.3	0.6	4.4
	Roches Point	44	35	*	Tr	Tr	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (To-day.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	bmxcm	cz_bmx	bxFofjx	44	31	24	Tr	Tr	5·1	*	*	2
Croydon	217	bcmm	bzmm	bcmx	45	32	27	Tr	-	5·3	*	*	6
Greenwich (Royal Observatory)...	149	bf	bf	bfmfx	43	31	23	-	Tr	0·0	86	99	3
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·7	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	45	33	28	—		2·6	84	99	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	44	31	30	-	-	1·8	75	95	*
Camden Square	110	xbfb	b	*	45	32	30	-	Tr	*	100	*	*
Kensington	80	bcm	ofx	*	44	32	24	Tr	Tr	2·7	At 18h. 89	95	*
Hampstead Observatory	450	cm	bc	bcmxof	43	29	25	-	Tr	5·2	*	97	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
1·6	18-21h 23rd	0·3	5-7h 24th

Kew Observatory. Max.	Time.	Min.	Time.
1·3	21h 23rd	0·1	4h 24th

FOREIGN OBSERVATIONS.

1h. G.M.T. December 23rd.

Stations	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1041.1	-	0	b	39
Brussels	1039.7	-	0	2o	37
Berlin	1032.5	WNW	3	bc	39
Zürich	1038.7	NE	1	1D	34
Rome	1025.7	N	1	b	46

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

Barom. mb.	Wind. Direc	Wind. Force.	Weather.	Temp. °F.
1039.8	-	0	F	30
1037.2	WSW	2	f	36
1031.3	WSW	4	bc	34
1028.3	NE	3	m	34

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
48	28	-	-
43	30	0·3	-
43	32	0·3	-
36		0·3	
43	41	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 —Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 25th December, 1936.

No. 27427.

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. F. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High. (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1036·4	-8	WSW	2	m	40	95	4	5	-	-	9+	9+	2500
	Croydon ...	1036·6	-10	W'S	4	Z_o	41	85	5	5	-	-	10	10	2500
	S. Farnborough	1036·8	-14	W	2	c	41	85	6	5	-	-	9+	9+	2500
	Boscombe Down	1037·4	-18	W'S	3	c	43	95	8	-	3	-	0	7-8	-
	Calshot (Sthmtn.)	1037·3	-14	W'S	3	c	41	85	7	5	4	-	7-8	9	2500
	Lympne ...	1037·3	-10	WNW	3	Z_o	36	95	5	5	-	-	10	10	2500
	Manston ...	1035·~~5~~6	-~~8~~10	W	2	Z_o	42	85	6	5	-	-	10	10	2500
2	Shoeburyness ...	1035·9	-12	W'S	3	of	39	95	3	5	-	-	10	10	1500
	Felixstowe ...														
	Gorleston ...	1033·4	-16	SW	3	c	41	95	6	5	3	-	2-3	7-8	2500
	Mildenhall ...	1034·5	-10	W	4	Z_o	42	85	6	5	3	-	9+	9+	2500
	Cranwell ...	1032·6	-10	W	4	Z_o	45	85	6	5	3	-	9	9+	2500
3	Birmingham ...	1034·5	-12	WNW	3	c	44	75	6	5	-	-	9	9	2500
	Upper Heyford	1035·9	-16	SW	3	Z_o	40	95	6	5	-	-	9+	9+	2500
4	Ross-on-Wye	1035·6	-8	W'N	3	c	46	75	8	5	-	1	7-8	9	4000
5	Portland Bill ...	1037·3	-16	NW	4	c	47	95	8	4	-	-	7-8	7-8	2500
	Plymouth ...	1039·1	-12	W'S	1	c/d	44	85	5	8	6	-	7-8	9	2500
	The Lizard ...	1038·0	-10	W'S	3	bc	49	75	8	8	7	-	2-3	4-6	2500
	Scilly (St.Mary's)	1039·7	-6	WNW	2	bc	51	55	8	7	-	3	2-3	2-3	4000
	Guernsey ...	1038·7	-12	NNW	1	c	47	75	9	8	-	-	10	10	2500
6	Pembroke ...	1037·1	-4	WNW	3	c	47	75	9	3	-	-	9+	9+	2500
7	Holyhead ...	1036·2	-10	W	4	c	49	85	8	7	-	-	9+	9+	2500
	Chester (Seeland)	1034·1	-18	WSW	5	c	48	75	8	5	-	-	9+	9+	4000
8	Manchester ...	1033·2	-14	W	4	c	47	85	7	5	-	-	9+	9+	1500
10	Spurn Head ...	1031·0	-8	W'N	4	c	46	85	7	5	7	-	4-6	7-8	2500
	Catterick ...	1030·2	-6	W'S	3	c	48	75	8	4	4	7	4-6	9+	2500
	Tynemouth ...	1027·2	-16	W	6	bc	48	75	7	2	3	-	2-3	4-6	2500
11	Inchkeith ...	1026·5	+2	SSW	5	cjp	48	95	7	5	-	-	9+	9+	2500
	Leuchars ...	1024·8	-14	SW	4	q	50	85	8	5	4	2	1	9+	2500
12	Renfrew (Abbotsl.)	1027·8	-4	W'S	5	$d_o d_o$	50	95	6	5	1	-	9	10	1500
	Eskdalemuir ...	1025·8	-6	SW	4	id_o	44	95	6	5	-	-	10	10	450
	Point of Ayre...	1032·9	-4	W'N	5	c	46	95	8	5	-	-	9	9	1500
13A	Tiree	1027·7	-2	W	5	c	49	95	6	5	1	-	9+	10	800
13B	Stornoway ...	1024·1	+14	WSW	4	c	48	85	8	5	7	-	4-6	9+	1500
15	Dalwhinnie ...	1025·3	-2	SW	5	ir_o	47	85	6	6	6	-	4-6	9+	1500
	Aberdeen ...	1022·4	0	W'N	2	c	53	65	8	5	3	9	4-6	7-8	2500
	Wick ...	1013·5	0	WNW	5	c	47	75	7	5	5	-	4-6	9	1500
16	Lerwick ...	1014·3	+8	WNW	7	c/pr	42	95	8	8	7	-	7-8	10	1500
17	Blacksod Point	1034·9	-4	W	4	bc	45	85	8	2	-	3	2-3	4-6	2500
18	Malin Head ...	1031·0	-4	SW	5	d	49	95	6	8	-	-	10	10	800
	Aldergrove ...	1033·1	-2	SW	3	c	45	95	8	5	7	-	9	9+	800
19	Birr Castle ...	1037·0	*	WSW	1	bc	46	95	8	5	8	-	2-3	4-6	2500
20	Valentia Obsy. †	1038·4	-10	W	2	bc	47	85	8	2	-	-	2-3	2-3	1500
	Roches Point	1035·0	-2	NNE	2	bc	45	95	7	5	-	-	4-6	4-6	1500

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1035·8	0	WSW	2	m	42	95	4	5	-	-	10	10	1500	1	*
	Croydon ...	1035·7	+4	W'S	3	Z_o	43	85	5	5	-	-	10	10	2500	1	*
	S. Farnborough	1036·1	+2	W'S	2	c	42	85	6	5	-	-	10	10	2500	1	*
	Boscombe Down	1036·6	+2	W	2	c	42	95	7	5	-	-	9+	9+	2500	1	*
	Calshot (Sthmtn.)	1036·5	0	WSW	3	Z_o	43	95	6	5	-	-	10	10	2500	1	1
	Lympne ...	1036·1	-2	W	2	Z_o	41	95	5	5	-	-	7-8	7-8	2500	1	§ (
	Manston ...	1035·1	+2	W'S	3	c	41	85	6	5	-	-	10	10	2500	1	*
2	Shoeburyness ...	1035·1	-2	WSW	3	m	43	85	4	5	-	-	9+	9+	2500	1	*
	Felixstowe ...																
	Gorleston ...	1032·3	+2	SW	2	bc	41	95	6	5	-	-	2-3	2-3	2500	1	2
	Mildenhall ...	1033·5	+2	W'S	2	Z_o	43	85	6	5	-	-	9+	9+	2500	1	*
	Cranwell ...	1032·5	+2	W	4	Z_o	42	85	5	5	4	8	2-3	7-8	4000	1	*
3	Birmingham ...	1034·6	+2	W	3	c	44	75	6	5	-	-	9+	9+	2500	1	*
	Upper Heyford	1035·5	+4	W	2	c	42	85	8	5	-	-	10	10	2500	1	*
4	Ross-on-Wye	1035·7	+4	W'N	2	c	44	75	8	5	-	-	10	10	2500	1	*
5	Portland Bill ...	1036·4	-4	NW	4	c	47	85	8	4	-	-	7-8	7-8	2500	1	3
	Plymouth ...	103~~5~~8·1	0	W	2	c/d	46	95	6	5	-	-	9+	9+	2500	1	1
	The Lizard ...	1038·4	0	W'S	2	c	46	85	8	8	-	-	9	9	2500	1	2
	Scilly (St.Mary's)	1039·2	0	W'N	2	bc	42	75	8	6	3	-	2-3	2-3	2500	1	1
	Guernsey ...	1038·3	-2	W'N	1	c	44	75	7	8	-	-	9	9	2500	0	1
6	Pembroke ...	1036·1	-2	W	2	c	46	85	7	5	7	-	4-6	10	2500	0	2
7	Holyhead ...	1035·0	+4	W'N	4	c	48	85	8	5	-	-	9+	9+	2500	1	2
	Chester (Seeland)	1033·9	+4	W'S	4	c	48	75	7	5	-	-	10	10	4000	1	*
8	Manchester ...	1033·1	+4	W'S	4	id_o	45	95	6	5	-	-	10	10	1500	1	*
10	Spurn Head ...	1028·0	-6	N'N	7	q	45	85	7	5	1	8	2-3	7-8	2500	0	5
	Catterick ...	1023·8	-2	N	3	c	49	75	8	3	-	5	7-8	7-8	2500	1	*
	Tynemouth ...	1027·6	0	W	6	bc	47	85	7	2	-	-	4-6	4-6	1500	1	2
11	Inchkeith ...	1026·5	0	SW	4	c	47	95	7	5	-	-	7-8	7-8	1500	0	3
	Leuchars ...	1025·5	+8	WSW	3	bc	48	85	7	5	7	1	1	4-6	2500	1	*
12	Renfrew (Abbotsl.)	1028·3	+4	WSW	4	Z_o	49	95	6	5	-	-	9	9	800	1	*
	Eskdalemuir ...	1029·4	+2	W'S	4	c,	47	95	7	5	-	-	10	10	1500	1	*
	Point of Ayre...	1032·5	-4	WNW	4	o	48	95	8	5	-	-	10	10	1500	1	2
13A	Tiree	1028·4	+4	W	5	c	50	95	7	5	-	-	9+	9+	1500	1	3
13B	Stornoway ...	1023·0	-4	WSW	5	$r_o r_o$	49	95	6	5	-	-	10	10	1500	1	2
15	Dalwhinnie ...	1025·6	+4	SW	5	ir_o	46	95	6	4	1	-	4-6	10	1500	1	*
	Aberdeen ...	1023·8	+4	WSW	2	bc	50	75	7	5	1	-	2-3	4-6	4000	1	1
	Wick ...	1021·3	+12	W	4	c	46	85	7	5	7	-	4-6	7-8	1500	1	2
16	Lerwick ...	1015·0	+2	WNW	6	pr_o	45	95	7	8	2	-	7-8	10	800	1	*
17	Blacksod Point	1034·9	0	W	3	c	48	85	8	4	*	-	10	10	1500	0	2
18	Malin Head ...	1031·3	+6	SW	4	c	49	95	6	8	-	-	9+	9+	1500	0	3
	Aldergrove ...	1033·2	+2	SW'W	3	c	46	95	8	5	7	-	7-8	9+	1500	1	*
19	Birr Castle ...	1036·2	*	WSW	1	c	44	95	8	5	-	-	9	9+	2500	1	*
20	Valentia Obsy. †	1037·9	+2	NE	2	b	41	95	5	7	3-	-	Tr	1	2500	1	3
	Roches Point	1036·3	+2	W	2	c	45	95	8	5	-	-	9+	9+	1500	1	2

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	Weather. 7h.—13h. 24th.. (37)	Weather. 13h.—18h. 24th.. (38)	Weather. 18h. 24th to 1h. 25th (39)	Weather. 1h.—7h. ..25th. (40)
1	London (Kew)	offxm$_o$	cm	cmbcw	bcw
	Croydon ...	bcm$_o$	cm$_o$	cm$_o$b$_o$c	c$_o$bw
	S. Farnborough	bxmzcm$_o$	cm$_o$	cm$_o$c	cbx
	Boscombe Down	bff$_o$cm$_o$xc$_o$	c$_o$	c	c
	Calshot (Sthmtn.)	bxffc	cbccm$_o$	cm$_o$c	c
	Lympne ...	bfx$_o$cm$_o$	cm$_o$	cm$_o$c	cbcc
	Manston ...	bxbcm$_o$	cm$_o$	cm$_o$c	cbcm$_o$
2	Shoeburyness ...	bffo	cffcm	cmc	c~~m~~c
	Felixstowe ...				
	Gorleston ...	bccz$_o$	cbcz$_o$	bcc	cbcc
	Mildenhall ...	bcm$_o$cm	cz$_o$	cz$_o$bcz$_o$	bcz$_o$
	Cranwell ...	cbccm$_o$	cm$_o$bc	bcm$_o$b	bbc
3	Birmingham ...	c	c	cbc	bc
	Upper Heyford	bcxrmc	cm$_o$c	cbc	bc
4	Ross-on-Wye	cbcc	c	c	cbcb
5	Portland Bill ...	c	c	c	c
	Plymouth ...	cbccmd$_o$	cm$_o$d$_o$	cm$_o$	cd$_o$m$_o$c
	The Lizard ...	bc	bcc	cbcc	cbcc
	Scilly (St.Mary's)	bcy	bc	bcc	cbcc
	Guernsey ...	bccz$_o$	c	codd	oddc
6	Pembroke ...	cr	cqvc	cq	cq$_o$c
7	Holyhead ...	cpr$_o$c	pr$_o$c	c	c
	Chester (Seeland)	c	c	c	c
8	Manchester ...	cm$_o$c	cid$_o$m$_o$	cddmc	c
10	Spurn Head ...	c	c	c	c
	Catterick ...	c	cbcc	c	cbcb
	Tynemouth ...	obcq	bcq	bcc	cbc
11	Inchkeith ...	c	c	cq	cbc
	Leuchars ...	ccq	cqbc	bcb	bcb
12	Renfrew (Abbotsl.)	cm$_o$d$_o$d$_o$	id$_o$cm$_o$	cm$_o$id$_o$	cm$_o$
	Eskdalemuir ...	cid$_o$	d$_o$d$_o$c	cpr$_o$	cqbc
	Point of Ayre...	c	opr$_o$	o	co
13A	Tiree	m$_o$id$_o$	cd$_o$d$_o$	cir$_o$	cid$_o$
13B	Stornoway ...	c	r$_o$r$_o$c	cr$_o$r$_o$m$_o$	cr$_o$r$_o$id$_o$
15	Dalwhinnie ...	ciro	ciro	"	ciro
	Aberdeen ...	bc	bccb	cr$_o$rc	cRRb
	Wick ...	c	c	r$_o$dc	c
16	Lerwick ...	cpr	cpr$_o$	cpr	bcpr
17	Blacksod Point	bc	cbc	pr$_o$c	dd
18	Malin Head ...	cjpz	czid	oid$_o$	c
	Aldergrove ...	ccid$_o$c	c	c	cid$_o$
19	Birr Castle ...	cbc	bccr$_o$c	c	c bbcw
20	Valentia Obsy. †	cbc	bccbcb	bbcc	cbcq
	Roches Point	bzbc	bccw	cw	cwbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity; thus R, heavy rain. r$_o$, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ⊖ lunar halo. ⚡ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; + has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo-stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

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

† Sea disturbance reported from Dungeness.

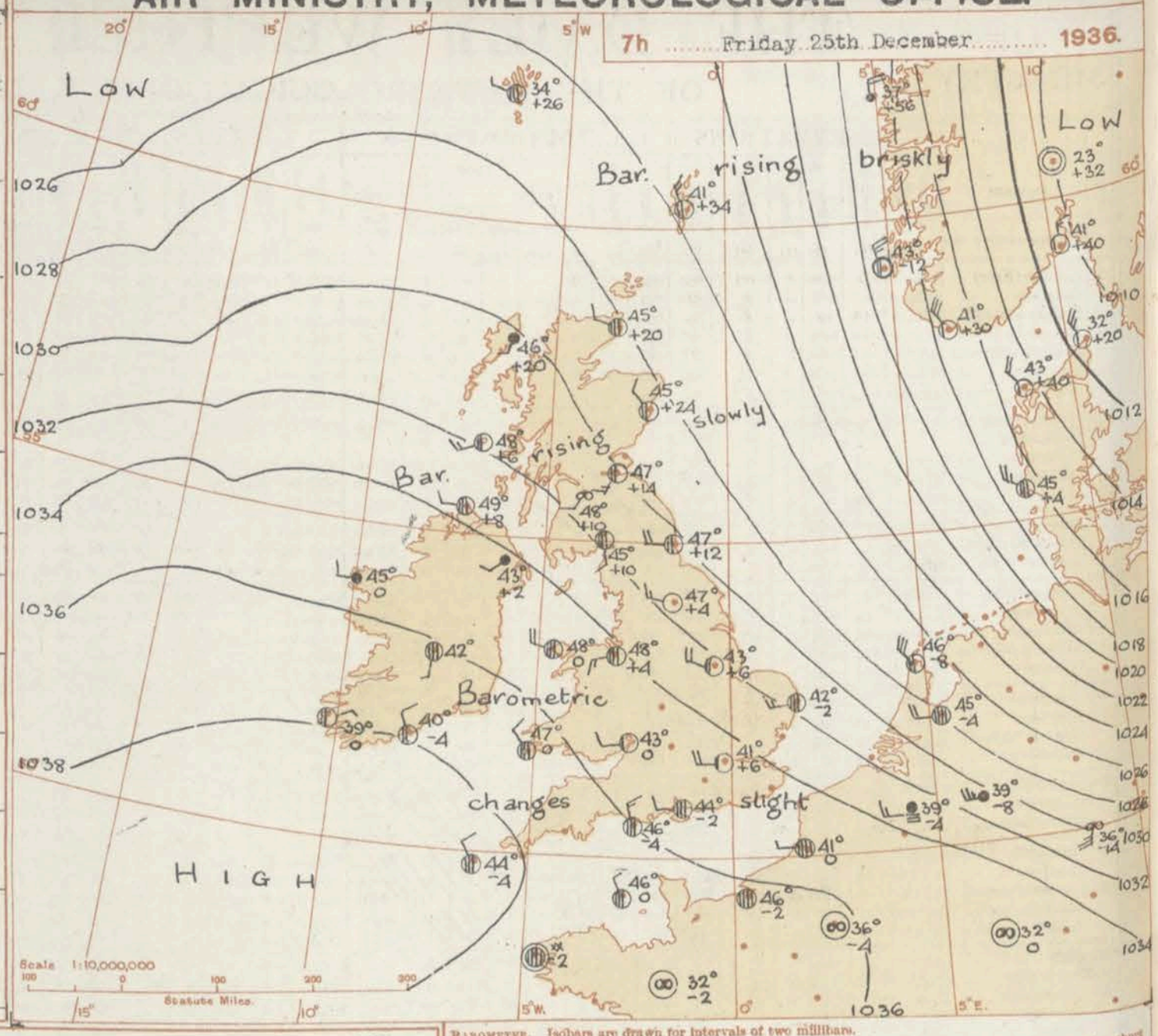
REPORTS from HEALTH RESORTS for 24th December, 1935.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F) Min. 9h. 23rd to 9h. 24th	Temperature (F) Max. 9h.—17h. 24th	Rainfall (mm) Night. 17h. 23rd to 9h. 24th	Rainfall (mm) Day. 9h.—17h. 24th	Sunshine/hrs Sunrise to Sunset. 24th
1	Tunbridge W	bmbcc	oco	26	41	—	—	2·0
	Bournemouth	co	ocom	33	44	0·3	—	1·0
	Ventnor ...	xbo	obcc	38	46	—	—	1·7
	Southsea ...	bc	cbc	31	44	—	—	2·5
	Bognor Regis	bc	bcc	30	43	—	—	3·1
	Littlehampton	bbc	bcc	29	43	—	—	3·4
	Worthing ...	b	bcobc	32	43	Trace	—	0·0
	Brighton ...	dxff	bcf	31	45	Trace	—	2·6
	Eastbourne†	bbc	bcco	33	46	—	—	3·7
	Hastings† ..	bbcc	bcco	34	45	—	—	3·8
	Folkestone ...	bzbc	bcc	33	50	—	—	2·7
	Dover... ...	mbbc	bcco	34	45	—	—	4·0
	Deal	b	co	34	43	—	—	3·5
	Ramsgate ...	bbcm	bccm	34	43	Trace	—	3·5
	Margate ...	bc	c	34	43	—	—	3·1
2	Southend ...	bbf	bfjc	33	41	Trace	—	0·0
	Maldon ...	xmzb	co	27	42	—	—	2·0
	Clacton-on-Sea	bfbcm	bccm	32	42	Trace	—	2·8
	Dovercourt ...	fb	bc	31	43	Trace	—	4·5
	Lowestoft ...	b	bbcc	32	43	—	—	2·9
	Skegness ...	xbmbc	cb	33	45	Trace	—	0·8
	Mablethorpe	mzbc	bcc	34	45	—	—	1·0
	Cleethorpes ...	bcqmo	bco	35	48	—	—	1·3
3	Leamington S.	oc	c	31	42	—	—	0·1
4	Cheltenham†	cbcc	c	30	45	—	—	0·3
5	Bath	cbc	bcc	30	46	—	—	0·8
	Weymouth ...	c	c	29	46	—	—	0·1
	Jersey ...	fbcc	bccf	35	45	—	—	1·2
	Torquay ...	xcb	codpc	32	48	—	Trace	2·4
	Penzance ...	cpbcb	bbcc	36	50	Trace	Trace	3·1
	St. Ives ...	c	c	40	48	—	—	2·6
	Bude	bc	bpd	32	52	—	1	2·3
	Ilfracombe ...	oco	bco	39	48	—	—	0·6
6	Aberystwyth	c	c	38	48	—	—	0·0
7	Llandudno ...	c	cdoc	44	47	—	Trace	0·2
	Colwyn Bay...	oc	cbc	40	48	—	—	0·1
	Rhyl	c	c	36	48	—	—	0·8
8	Wallasey ...	cdoc	c	40	47	—	Trace	0·0
	Southport‖ ...	oc	cocdo	43	47	—	Trace	0·2
	Blackpool ...	c	c	42	46	—	—	0·0
	Morecambe ...	c	c	37	46	Trace	—	0·0
9	Ilkley... ...	c	c	37	47	—	—	1·7
	Harrogate ...	bcb	bbcc	35	46	—	—	0·7
10	Berwick-on-T.	c	cbc	34	50	—	—	1·8
11	Dunbar ...	bc	bc	37	50	—	—	0·7
12	Troon... ...	corod	cdog	40	49	—	0·5	0·0
	Douglas ...	cbw	cb	37	50	—	—	0·0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Friday 25th December ..... 1936.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:— Clear sky. Sky less than ⅛ clouded. Sky ⅛ to ⅜ clouded. Sky ⅜ to ⅝ clouded. Sky ⅝ to ⅞ clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 25th December, 1936.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Wind northwest becoming variable, light; fine; local fog tomorrow morning; rather mild today; night frost inland.
5 S.W. England 6 South Wales ... 7 North Wales ...	Light variable wind becoming southeast; fair, but cloudy in many places today; average day temperature, local ground frost tonight.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Moderate west to northwest wind, falling light; fair apart from local rain in the hill districts; rather mild at first.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland	Winds light, freshening from southwest to fresh near the coast; mainly dull; occasional light rain or drizzle at first; mild or rather mild.
15 N. E. Scotland 16 Orkney and Shetland	Wind northwest, light, backing southwest and freshening; fair at first; occasional rain later; mild.
17 N. W. Ireland 18 N. E. Ireland	As 12 - 14.
19 S. E. Ireland 20 S. W. Ireland	As 5 - 7.

GENERAL INFERENCE.

An anticyclonic centre off our southwest coasts will gradually decrease in intensity, whilst a new centre will develop more to the northeast. Dry weather will continue apart from slight occasional rain in Scotland and North Ireland at first, but local fog will follow night frost inland in England.

FURTHER OUTLOOK.

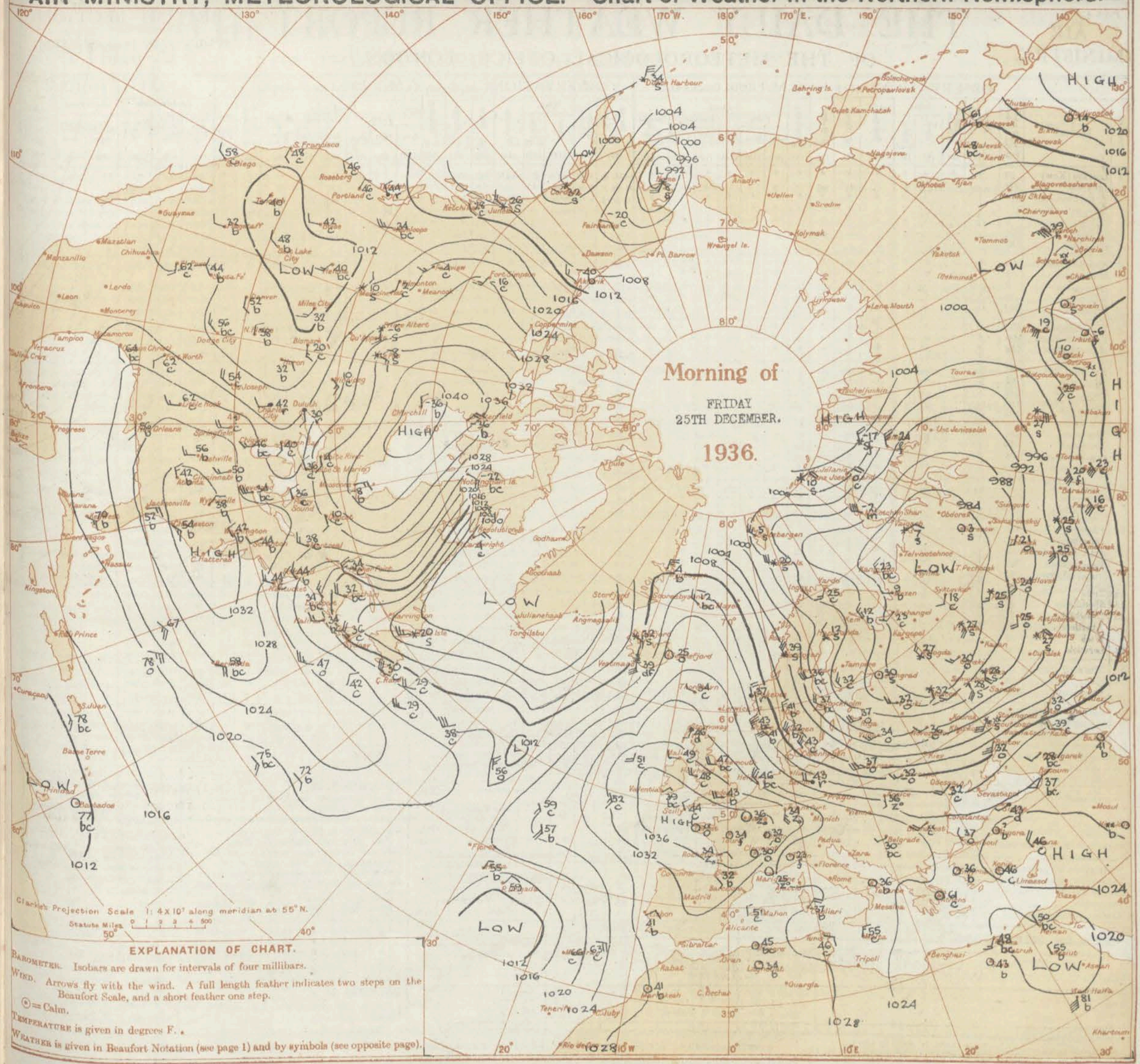
A change to a colder type of weather is indicated; some fog and frost.

Forecasts issued at 1030 G.M.T

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = 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 25th December, 1936.
No. 27427.

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1034.7	-6	WSW	3	c	42	65	7	5	–	–	7-8	7-8	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1035.0	-12	W'N	3	c	41	65	7	5	–	–	10	10	2500
	Manston ...	142	1033.7	-12	W'S	3	c	43	75	7	5	–	–	10	10	2500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1031.6	-6	WSW	4	c	41	65	6	5	–	–	9+	9+	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1036.1	-8	WNW	3	c	46	95	8	4	–	–	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240														
	Scilly (St. Mary's)	163	1036.5	-6	NW	2	c	45	65	8	5	6	–	4-6	7-8	2500
	Guernsey ..	175	1038.1	-4	NNW	1	dd	46	95	6	5	–	–	10	10	2500
6	Pembroke ...	142	1036.2	-6	WNW	3	q	48	65	8	5	2	–	4-6	9+	2500
7	Holyhead ...	26														
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1029.8	-6	W'N	6	c	46	95	7	5	7	–	7-8	7-8	800
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1028.0	+8	W	4	c	48	85	7	4	–	–	7-8	7-8	2500
11	Inchkeith ...	190	1026.5	0	WSW	5	c	48	95	7	5	8	–	4-6	9+	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1032.9	+2	WNW	5	o	48	95	8	5	–	–	10	10	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1026.2	+18	W	4	c.c	49	95	5	5	2	–	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1022.8	+14	WNW	4	c	47	95	7	5	2	–	9	10	1500
16	Lerwick ...	156	1019.0	+22	NW	5	bc	44	95	8	8	–	–	4-6	4-6	1500
17	Blacksod Point	18	1035.8	+2	W	2	bc	44	95	8	5	–	–	2-3	2-3	1500
18	Malin Head ...	52														
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1027.8	-6	S'W	2	bc	45	95	8	3	–	–	4-6	4-6	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 25th December

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1035.0	+2	SW'S	2	bc	38	95	7	–	–	2	0	4-6	–	1	*
	Croydon ...	1034.7	+6	W	4	b	41	85	7	–	–	1	0	1	–	1	*
	S. Farnborough	1035.2	+4	W'N	1	bc	37	95	7	–	–	1	0	2-3	–	1	*
	Boscombe Down	1036.0	0	WNW	2	c	43	88	8	5	3	–	7-8	7-8	2500	1	*
	Calshot (Sthmtn.)	1035.6	-2	W	2	c	44	85	7	5	7	–	9+	10	2500	1	1
	Lympne ...	1035.1	+6	NW'N	2	c	36	95	7	5	7	–	Tr	7-8	4000	1	1
	Manston ...	1033.8	+6	W'S	3	c	40	85	7	–	4	2	0	7-8	–	1	*
2	Shoeburyness ...	1034.1	+6	WSW	2	c	39	95	7	5	–	–	7-8	7-8	4000	1	*
	Felixstowe ...																
	Gorleston ...	1031.2	-2	W'S	3	c	42	85	6	6	7	–	4-6	7-8	2500	1	2
	Mildenhall ...	1032.7	+6	W'S	3	z_o	38	95	6	–	7	1	0	2-3	–	1	*
	Cranwell ...	1032.1	+6	NNW	4	bc	43	85	7	5	4	–	2-3	2-3	4000	1	*
3	Birmingham ...	1034.0	0	WNW	4	c	43	75	8	5	7	–	2-3	7-8	2500	1	*
	Upper Heyford	1034.8	+2	W'N	3	bc	38	90	8	–	7	1	0	2-3	–	1	*
4	Ross-on-Wye	1035.0	0	W'S	2	b	43	75	8	5	–	–	1	1	4000	1	*
5	Portland Bill ...	1035.5	-4	NNW	3	c	46	95	8	4	–	–	10	10	2500	1	2
	Plymouth ...	1037.3	-4	–	0	c	42	95	7	2	2	–	2-3	10	1500	1	0
	The Lizard ...	1037.7	0	NW'N	3	c	42	95	8	4	–	–	7-8	7-8	2500	1	2
	Scilly (St. Mary's)	1038.4	+4	NW'N	2	c	44	75	8	5	–	–	9+	9+	2500	1	1
	Guernsey ..	1037.2	0	NNW	1	c	46	85	9	8	–	–	10	10	2500	1	1
6	Pembroke ...	1035.9	0	NW	2	c	47	75	7	5	–	–	10	10	2500	0	2
7	Holyhead ...	1034.9	0	WNW	4	c	48	95	8	5	–	–	10	10	2500	1	2
	Chester(Sealand)																
8	Manchester ...	1034.3	+4	W'S	3	c	48	75	8	5	6	–	10	10	4000	1	*
10	Spurn Head ...	1034.1	+10	WNW	2	c	46	85	7	–	7	6	0	9	–	1	*
	Catterick ...	1030.6	+12	WNW	5	c	44	95	7	5	1	–	4-6	7-8	4000	0	4
	Tynemouth ...	1030.9	+4	WNW	3	bc	47	85	8	5	–	–	2-3	2-3	2500	1	*
11	Inchkeith ...	1029.7	+12	W	4	bc	47	85	7	4	–	–	4-6	4-6	2500	1	2
	Leuchars ...	1029.7	+14	SW	3	bc	47	95	8	5	–	–	2-3	2-3	2500	0	2
12	Renfrew (Abbots L.)	1029.6	+22	W	3	b	45	85	7	5	–	–	Tr	Tr	2500	1	*
	Eskdalemuir ...	1031.1	+10	SW	2	z_o	48	95	6	5	7	–	7-8	10	1500	1	*
	Point of Ayre...	1031.8	-10	S	2	c	45	85	8	5	–	–	7-8	7-8	1500	1	2
13A	Tiree	1033.7	+2	WNW	3	c	48	95	8	–	2	–	0	10	–	1	2
13B	Stornoway ...	1031.3	+6	WSW	3	bc	48	95	8	5	–	–	4-6	4-6	2500	1	*
15	Dalwhinnie ...	1030.2	+20	SW	1	id.	46	95	6	5	2	–	7-8	10	1500	1	1
	Aberdeen ...		+14	–	0	bc	45	85	7	6	–	–	2-3	4-6	2500	1	*
	Wick ...	1029.3	+24	NW	2	bc/pr	45	95	7	3	–	–	2-3	2-3	2500	1	1
16	Lerwick ...	1027.8	+20	WNW	2	c	45	95	7	5	2	–	7-8	10	1500	1	2
		1025.6	+34	NNW	3	bc	41	85	8	8	–	–	4-6	4-6	1500	1	2
17	Blacksod Point	1035.4	0	W	2	dd	45	95	7	6	–	–	10	10	800	1	2
18	Malin Head ...	1033.5	+8	W	2	c	49	95	7	5	–	–	9+	9+	2500	1	3
	Aldergrove ...	1034.5	+2	SW'W	2	id.	43	95	7	5	7	–	9+	10	800	1	*
19	Birr Castle ...	1036.2	*	SSW	1	c	42	95	7	5	–	–	10	10	1500	1	*
20	Valentia Obsy. †	1037.9	0	ENE	1	bc	39	95	8	7	–	–	4-6	4-6	2500	1	3
	Roches Point	1038.2	-4	NNW	2	bc	40	95	8	5	–	–	2-3	2-3	2500	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 24½ Hrs. (36)
1	London (Kew)	42	37	32	Tr	Tr	0·0
	Croydon ...	48	40	36	–	Tr	0·9
	S. Farnborough	42	37	25	Tr	Tr	0·4
	Boscombe Down	46	41	39	0·2	–	2·0
	Calshot (Sthmtn.)	45	42	41	0·1	–	1·7
	Lympne ...	41	36	30	0·2	–	0·6
	Manston ...	43	39	35	Tr	–	3·2
2	Shoeburyness ...	43	37	34	–	0·1	0·2
	Felixstowe ...						
	Gorleston ...	44	39	36	–	–	2·4
	Mildenhall ...	43	38	33	–	Tr	2·7
	Cranwell ...	46	40	36	–	–	2·4
3	Birmingham ...	45	42	37	–	–	0·6
	Upper Heyford	43	37	31	0·3	–	*
4	Ross-on-Wye	46	43	36	–	–	0·5
5	Portland Bill ...	47	45	*	–	–	*
	Plymouth ...	47	41	38	Tr	0·1	1·2
	The Lizard ...						
	Scilly (St. Mary's)	51	40	*	–	–	*
	Guernsey ..	51	41	*	–	–	7·5
6	Pembroke ...	52	46	*	–	–	0·3
7	Holyhead ...	49	47	46	Tr	–	0·0
	Chester(Sealand)						
8	Manchester ...	49	47	45	–	–	1·1
10	Spurn Head ...	48	45	43	Tr	0·3	0·4
	Catterick ...	46	36	*	–	–	0·4
	Tynemouth ...	49	45	41	–	–	0·4
11	Inchkeith ...	48	47	41	–	–	0·0
	Leuchars ...	49	46	43	–	–	0·0
12	Renfrew (Abbots L.)	50	45	39	–	–	1·5
	Eskdalemuir ...	50	47	44	0·1	Tr	0·0
	Point of Ayre...	47	44	42	0·5	Tr	0·0
13A	Tiree	49	46	*	Tr	–	0·3
13B	Stornoway ...	50	47	45	0·6	0·4	0·0
15	Dalwhinnie ...	49	46	*	0·6	2	0·0
	Aberdeen ...	46	45	41	0·3	0·5	0·0
	Wick ...	54	45	42	–	3	1·0
16	Lerwick ...	48	44	*	.	1	*
		47	40	*	3	3	0·0
17	Blacksod Point	49	42	*	–	0·3	*
18	Malin Head ...	49	47	*	0·1	0·2	0·0
	Aldergrove ...	47	42	41	Tr	Tr	0·1
19	Birr Castle ...	47	39	34	0·1	–	2·7
20	Valentia Obsy. †	48	36	31	–	Tr	3·2
	Roches Point	46	39	*	Tr	Tr	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity. 15h. G.M.T % (Yesterday.)	Humidity. 9h. G.M.T % (To-day.)	Visibility 9h.
Kew	18	offxm.	cm	cmbcw	42	37	32	Tr	Tr	0·0	*	*	6
Croydon	217	bcm.	cm.	cmbcbw	43	40	36	–	Tr	0·9	*	*	
Greenwich (Royal Observatory)...	149	bcf	cfm	cbxm	43	38	29	–	Tr	0·0	84	86	4
City (Sunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	44	34	29	–	–		86	91	*
Regents Pk. (Botanic Gardens)†...	168	*	*	*									*
Camden Square	110	fcf	cfc	*	43	37	29	–	–	*	*	94	*
Kensington	80	ofbcf.	cf	*	43	38	27	Tr	–		At 18h. 82	89	*
Hampstead Observatory	450	of	c	cbc	42	36	29	–	–		*	95	*

FOREIGN OBSERVATIONS.

18h. G.M.T. 24th December

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1038.3	W	1	F.	34
Brussels	1034.4	WSW	2	f–	36
Berlin	1023.6	W	5	o	41
Zürich	1036.8	N	1	o	32
Rome	1027.5	–	o	z_o	45

7h. G.M.T. 25th December

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1036.2	–	o	z_o	36
1032.1	W	3	df	39
1015.7	WNW	4	r.r.	43
1035.5	NNW	1	m	27

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
34	34	–	–
36	36	–	0·1
41	39	–	5
34	27	–	–
*	*	–	

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·6	15–18h 24th	<0·3	5–7h 25th

Kew Observatory. Max.	Time.	Min.	Time.
0·6	9 hrs 24th	<0·1 .	7hrs 25th.

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 39.—Code for State of Sea.

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

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

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

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

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 26th December, 1936

No. 27428

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

District	Stations. (For heights see p. 4.) (36)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. F. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)	Sunshine 24th Hrs. (35)
1	London (Kew)	1035·3	−4	W	2	c	46	75	5	5	3	-	4-6	7-8	2500	0·0
	Croydon ...	1035·2	0	WNW	3	z.	47	75	5	5	3	-	7-8	9	4000	0·3
	S. Farnborough	1035·7	−2	WNW	2	c	48	65	8	5	4	-	9	9	5700	0·4
	Boscombe Down	1036·7	−6	NW'W	3	bc	47	75	7	6	-	-	2-3	2-3	2500	2·0
	Calshot (Sthmtn.)	1036·4	−2	WNW	3	c	49	75	8	4	3	-	7-8	7-8	4000	1·7
	Lympne ...	1035·1	−2	NNW	3	z.	45	85	6	5	-	2	1	4-6	5700	0·6
	Manston ...	1034·4	+2	NW	4	m	44	85	4	5	-	-	9+	9+	4000	3·2
2	Shoeburyness ...	1034·7	+6	WNW	2	c	46	85	6	5	-	-	10	10	2500	0·2
	Felixstowe ...															
	Gorleston ...	1032·9	+10	W	2	c	46	85	6	5	7	-	4-6	7-8	2500	2·4
	Mildenhall ...	1035·0	+10	W'S	2	z.	42	95	6	5	8	-	10	10	2500	2·7
	Cranwell ...	1034·9	+16	W'N	2	z.	47	85	5	-	7	-	0	9	-	2·4
3	Birmingham ...	1035·6	+6	NW	3	z.	47	75	5	7	7	-	4-6	7-8	2500	0·6
	Upper Heyford	1035·9	+6	NW	3	c	46	75	8	5	-	-	9+	9+	4000	*
4	Ross-on-Wye	1035·6	0	W'N	2	c	48	65	8	5	-	-	7-8	7-8	4000	0·5
5	Portland Bill ...	1036·7	+4	NNW	2	c	47	85	8	4	-	-	9	9	2500	*
	Plymouth ...	1037·7	−4	-	0	f	45	95	3	5	-	-	10	10	4000	1·2
	The Lizard ...	1038·0	−4	WNW	2	c	46	85	8	8	6	-	4-6	7-8	2500	*
	Scilly (St. Mary's)	1038·0	−6	-	0	c	48	65	9	5	-	-	9	9	2500	7·5
	Guernsey ...	1037·2	−6	NNW	1	o	47	75	8	5	-	-	10	10	2500	2·3
6	Pembroke ...	1037·8	+4	NNW	1	c	46	75	8	5	-	-	9+	9+	2500	0·3
7	Holyhead ...	1036·0	−2	NW'W	4	c	47	95	7	7	-	-	10	10	2500	0·0
	Chester (Sealand)	1035·6	+4	W	3	c	49	85	7	5	-	-	9+	9+	4000	1·1
8	Manchester ...	1035·4	+6	WNW	2	z.	48	85	6	5	-	-	9+	9+	2500	0·4
10	Spurn Head ...	1033·8	+14	NW'N	2	c	45	95	7	5	7	-	7-8	9+	1500	0·4
	Catterick ...	1034·0	+8	-	0	c	49	85	8	5	-	-	9+	9+	4000	0·0
	Tynemouth ...	1033·8	+12	W	2	z.	48	85	5	4	-	-	7-8	7-8	2500	0·0
11	Inchkeith ...	1032·8	+8	SW	2	ni	47	95	4	5	-	-	2-3	7-8	800	1·5
	Leuchars ...	1033·0	+10	-	0	bc	49	85	8	5	3	2	2-3	4-6	4000	0·0
12	Eentrew (Abbots I.)	1033·6	+6	W'S	2	c	48	85	8	5	3	-	2-3	9	1500	0·0
	Eskdalemuir ...	1033·5	+4	-	0	c	47	85	7	5	5	5	2-3	7-8	800	0·3
	Point of Ayre ...	1035·3	+4	NW	4	o	49	95	8	3	=	-	10	10	1500	0·0
13A	Tiree	1033·8	+6	NWN	3	ir	48	95	7	6	7	-	9	10	1500	*
13B	Stornoway ...	1031·6	+6	W	4	id.	49	95	6	8	2	-	4-6	10	1500	0·0
15	Dalwhinnie ...	1033·8	+12	NNE	3	c	46	85	7	4	2	-	4-6	10	2500	0·0
	Aberdeen ...	1032·8	+14	WNW	1	z.	47	85	6	5	7	-	2-3	7-8	2500	1·0
	Wick ...	1031·5	+16	SW	2	c	44	95	7	5	9	-	4-6	9	1500	*
16	Lerwick ...	1030·5	+14	WNW	3	bc	40	85	8	5	4	-	2-3	4-6	1500	0·0
17	Blacksod Point	1036·4	+4	W	2	c	48	95	8	8	-	-	7-8	7-8	800	*
18	Malin Head ...	1035·5	0	SW	2	c	47	95	7	5	-	-	7-8	7-8	2500	0·0
	Aldergrove ...	1035·8	−2	SSW	1	c	44	95	8	5	3	-	1	9+	800	0·1
19	Birr Castle ...	1037·2	*	SSW	1	c	43	95	7	5	3	-	10	10	1500	2·7
20	Valentia Obsy. †	1038·1	−2	S'E	1	bc	43	95	9	7	3	-	2-3	4-6	2500	3·2
	Roches Point	1038·5	+2	NW	1	bc	44	95	6	5	4	-	4-6	4-6	2500	*

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

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1036·1	+4	-	0	z.	46	85	5	5	-	-	10	10	1500	1	*
	Croydon ...	1036·2	+6	NW'W	2	f	45	85	3	5	-	-	10	10	4000	1	*
	S. Farnborough	1036·3	+4	NW'N	1	f	45	86	7	5	-	-	10	10	4000	1	*
	Boscombe Down	1037·1	+4	NW'W	1	c	42	85	6	5	-	-	9+	9+	2500	1	*
	Calshot (Sthmtn.)	1036·7	+8	W	2	c	43	95	7	5	-	-	7-8	7-8	4000	1	1
	Lympne ...	1036·5	+2	N	2	m	43	85	4	5	-	-	7-8	7-8	4000	1	§ 1/2
	Manston ...	1036·0	+8	NW	3	id.	44	95	4	5	-	-	10	10	2500	1	*
2	Shoeburyness ...	1036·0	+6	NW	1	o	45	95	7	5	-	-	10	10	2500	1	*
	Felixstowe ...																
	Gorleston ...	1035·0	+8	W'S	2	z.	44	95	5	5	-	-	10	10	2500	1	2
	Mildenhall ...	1036·1	+6	-	0	m	44	95	4	5	-	-	10	10	2500	1	*
	Cranwell ...	1036·0	+8	-	0	z.	46	95	5	-	2	-	0	9+	-	1	*
3	Birmingham ...	1036·2	+2	NW	2	z.	46	85	5	5	-	-	9+	9+	2500	1	*
	Upper Heyford	1036·6	+4	N'W	2	m	45	85	4	5	-	-	10	10	1500	1	*
4	Ross-on-Wye	1036·1	+4	W'S	1	c	45	85	8	5	-	-	10	10	4000	1	*
5	Portland Bill ...	1036·2	+2	NNW	2	c	46	75	8	4	-	-	10	10	2500	1	2
	Plymouth ...	1037·5	0	-	0	z.	45	85	5	5	-	-	10	10	4000	1	0
	The Lizard ...	1037·6	0	NW	2	c	44	85	8	8	6	-	7-8	10	2500	1	1
	Scilly (St. Mary's)	1038·0	0	-	0	c	45	65	9	5	-	-	9	9	2500	1	1
	Guernsey ...	1037·2	0	NNW	1	o	46	75	7	5	-	-	10	10	2500	1	1
6	Pembroke ...	1037·5	0	NNW	1	c	45	95	7	5	-	-	9+	9+	2500	0	1
7	Holyhead ...	1036·2	0	NW'W	3	c	48	95	8	5	-	-	10	10	2500	1	2
	Chester (Sealand)	1036·2	+4	WNW	2	c	46	95	6	8	-	-	9+	9+	4000	1	*
8	Manchester ...	1036·1	+2	W	1	z.	45	95	5	5	-	-	10	10	2500	1	*
10	Spurn Head ...	1036·4	+6	WNW	3	c	44	95	6	5	2	-	7-8	10	1500	0	3
	Catterick ...	1035·4	+6	-	0	c	46	95	7	5	-	-	10	10	2500	1	*
	Tynemouth ...	1034·6	+8	W	2	o	48	85	6	5	-	-	10	10	800	1	2
11	Inchkeith ...	1033·0	+4	SW	3	z.	46	95	6	5	9	-	2-3	9	1500	0	2
	Leuchars ...	1033·8	+6	-	0	z.	43	95	6	5	3	-	4-6	4-6	4000	1	*
12	Eentrew (Abbots I.)	1034·0	+2	W'S	1	z.	44	95	6	-	3	-	0	7-8	-	1	*
	Eskdalemuir ...	1034·7	+6	NW'W	2	c	45	85	8	5	-	-	9+	9+	800	1	1
	Point of Ayre ...	1035·8	0	WNW	2	o	47	95	8	3	-	-	10	10	1500	1	2
13A	Tiree	1033·8	+2	WSW	2	c	47	95	7	5	7	-	7-8	10	1500	1	2
13B	Stornoway ...	1031·7	0	WSW	2	c	46	95	7	5	2	-	4-6	10	1500	1	1
15	Dalwhinnie ...	1034·4	+4	SW	1	c	44	95	7	5	-	-	10	10	2500	0	*
	Aberdeen ...	1033·5	+2	S'W	2	z.	46	95	5	5	7	-	4-6	9+	1500	1	1
	Wick ...	1032·0	+2	W'N	3	c	45	95	7	5	-	-	10	10	1500	1	1
16	Lerwick ...	1031·3	+8	SSW	2	c	41	95	8	5	8	-	4-6	9	1500	1	*
17	Blacksod Point	1035·7	−4	W	2	c	45	95	7	5	-	-	7-8	7-8	800	1	2
18	Malin Head ...	1035·3	+2	S'W	1	id.	45	95	6	8	-	-	10	10	800	0	2
	Aldergrove ...	1035·4	+2	S'W	2	c	43	95	7	5	7	-	7-8	10	1500	1	*
19	Birr Castle ...	1036·6	*	SSW	1	c	43	95	7	5	-	-	9+	9+	1500	1	*
20	Valentia Obsy. †	1036·6	−6	SE	2	c	44	86	9	5	-	-	9+	9+	4000	1	2
	Roches Point	1037·6	−2	NW	1	bc	41	95	8	5	-	-	4-6	4-6	2500	1	1

PAST 24 HOURS.

Weather. 7h.–13h. 25th (37)	Weather. 13h.–18h. 25th (38)	Weather. 18h. 25th–1h. 26th (39)	Weather. 1h.–7h. 26th (40)
bcz.	rccm.	cm	oFd.
bwbcbz.	cz.mff	offcm	ofcmcf
bbc	c	cm.	cm.id.
cbc	bcc	c	c
cbccbc	bcbbc	cm.id.	cm.
bcm.	bcz.cm	cm.id.	cmifid.
bccm.	cmid.	cd.cm	bcmcf
bm.c	m.o	od.d.	d.d.ff
cz.z.	bccz.	offe	offe
bcz.cz.	cz.m.	cm	crm
bccm.	cm.	cm.	cm.d.d.
bc	cz.	c	c
bcc	cm.	cmof	of
bccbc	c	c	c
c	c	cifmm.	cm.c
c	c	cbcc	cbcc
c	c	c	c
co	o	o	o
cid.cv	c	c	c
d.c	c		c
cm.c	cm.	cm.	c
ccm.	cm.	cm.r.	cr.rir.
c	c	cff	pr.ff
bbcc	cd.c	c	c
bcc	cz.o	o	cbc
bccz	zz.	z.zz.	z.cpr
bbcc	bccm.	bcm.c	bcb
cm.c	ccm.	cm.id	cm.id
bc	bcc	c	d.cid.
pr.o	o	o	r.r.o
cir	ir.c	cid.	cid
id.m.c	c	c	cpr.
c	c	•	c
bcm.	cid.c	cm.c	cr.c
c	c	cddc	c
bc	bcc	cir.	cid.
pr.c	pr.c	bc	cbc
cid	cid	cir.	cbc
cid.c	c	cbc	bccmw
c	cdc	crc	cx
bcwbbc	bcc	ccir.	ir.r.
bcz.	bcz.bcw	bcw	bcwc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; + has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/10 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), or Nimbo-stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

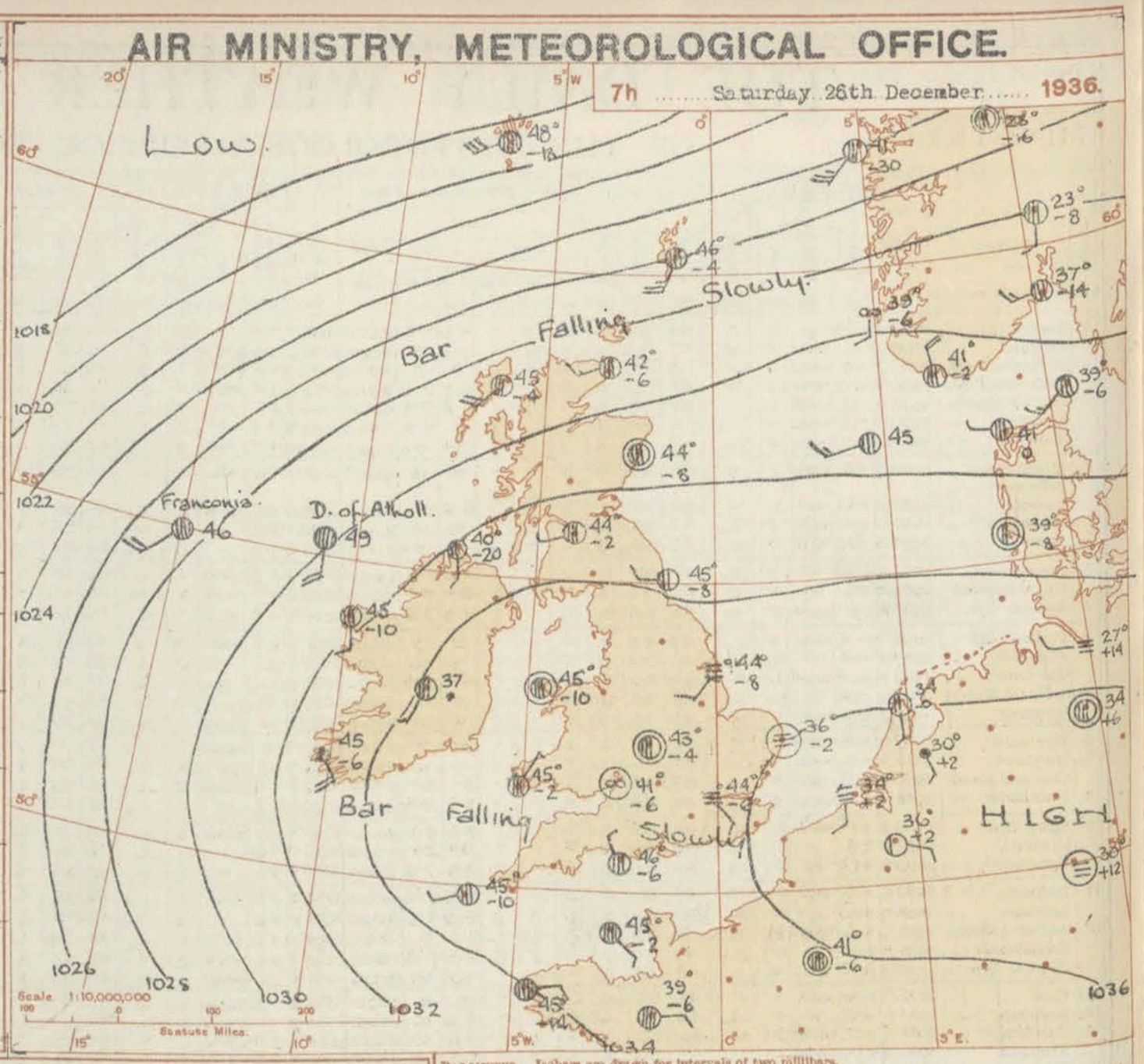
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 25th. December ..... 1936.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F) Min. 9h. 24th to 9h. 25th	Temperature (F) Max. 9h.—17h. 25th.	Rainfall (mm) Night. 17h. 24th to 9h. 25th	Rainfall (mm) Day. 9h.—17h. 25th.	Sunshine (hrs) Sunrise to Sunset, 25th.
1	Tunbridge W.	bcb	bcco	30	47	-	-	5·1
	Bournemouth	cbcbc	cbbc	37	48	-	-	3·0
	Ventnor ...	ocb	cbc	42	50	-	-	5·3
	Southsea ...	b	bcm	43	48	-	-	6·6
	Bognor Regis	bcb	bbc	32	49	-	-	5·4
	Littlehampton	bc	bcc	33	52	-	-	5·5
	Worthing ...	b	bbcc	34	49	-	-	5·2
	Brighton ...	cfcfb	bc	34	47	-	-	4·2
	Eastbourne†	b	bbc	42	48	Trace	-	4·2
	Hastings† ...	bcb	bcco	31	50	-	-	6·2
	Folkestone ...	bcb	bcco	33	48	0·2	-	2·5
	Dover... ...	bcc	mco	40	48	-	-	0·4
	Deal	zbc	coz	36	47	-	-	1·2
	Ramsgate ...	bcm	cm	40	46	-	-	1·1
	Margate ...	bcc	c	37	45	-	-	1·0
2	Southend ...	com	om	33	46	Trace	-	0·0
	Maldon ...	cb	co	38	46	-	-	1·3
	Clacton-on-Sea	bc	bccodm	33	48	-	Trace	3·2
	Dovercourt ...	bbc	bcf	33	47	-	-	1·6
	Lowestoft ...	bcbbc	cbcb	34	47	-	-	2·5
	Skegness ...	bcbc	cbcm	35	45	Trace	-	2·1
	Mablethorpe	cbcc	cocom	39	48	-	-	1·0
	Cleethorpes...	com	o	34	48	-	-	0·0
3	Leamington S.	bc	c	36	48	-	-	2·7
4	Cheltenham†	mbbc	bcc	39	48	-	-	2·4
5	Bath	cbcb	bcb	34	48	-	-	3·2
	Weymouth ...	c	c	40	42	-	-	0·0
	Jersey ...	cbc	cz	40	48	-	-	0·0
	Torquay ...	wom	oz	35	47	-	-	0·0
	Penzance ...	cdc	bcc	40	48	Trace	Trace	1·5
	St. Ives ...	c	c	42	48	-	-	1·6
	Bude	c	c	45	50	0·3	-	0·0
	Ilfracombe ...	ocbcc	oco	44	49	-	-	0·0
6	Aberystwyth	c	c	43	47	-	-	0·0
7	Llandudno ...	c	cpc	46	48	-	Trace	0·0
	Colwyn Bay...	o	o	47	47	-	-	0·0
	Rhyl	c	c	41	48	-	-	0·0
8	Wallasey ...	cbc	bccdo	46	47	-	Trace	0·0
	Southport‖ ...	o	ocor	46	47	-	0·6	0·0
	Blackpool ...							
	Morecambe ...							
9	Ilkley... ...	c	c	43	48	-	-	0·0
	Harrogate ...	bbc	c	44	49	-	-	1·2
10	Berwick-on-T.	co	oc	46	48	-	-	0·0
11	Dunbar ...	bc	bc	40	49	-	-	0·2
12	Troon... ...	cpc	cbcc	43	50	-	-	0·3
	Douglas ...	cbbc	bc	44	48	-	-	0·2

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



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. ..... 26th December, 1936.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light variable or south to southwest wind; cloudy or dull with slight occasional local drizzle; local mist or fog; mild.
5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England	Light or moderate south to southwest wind; mainly fair at first, rain later; rather mild.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Light to moderate southwest wind; cloudy, with rain at times, fair periods later; average temperature or rather mild.
13 {A. W. Scotld. B.N.W.Scotland.} 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland 18 N. E. Ireland	Moderate southwest to west wind; mainly cloudy, a period of continuous rain later in period, then fair periods; average temperature or rather mild.
19 S. E. Ireland 20 S. W. Ireland	Light to moderate south to southwest wind; cloudy and rainy; mild.

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

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 5/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

An anticyclone over England and Wales is decreasing in intensity and receding east, while a trough of low pressure is moving east across Scotland and Ireland. A further trough of low pressure is advancing from the Atlantic. In the east and southeast weather will be dull with local mist or fog and slight drizzle. Rain will extend later to northern and western districts of England and Wales.

FURTHER OUTLOOK.

Unsettled, fair periods in Northern and Western districts, continuing rather mild in most districts.

Forecasts issued at 1030 G.M.T.

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

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

Morning of

SATURDAY.
26TH DECEMBER

1936.

HIGH

LOW

HIGH

LOW

HIGH

LOW

HIGH

LOW

HIGH

LOW

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = 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 26th December 1936.
No. 27428

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1036·7	+14	-	0	m	44	95	4	5	-	-	10	10	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1037·4	0	E	2	m	42	95	4	5	-	-	10	10	1500
	Manston ...	142	1037·0	+2	NW	1	m	43	95	4	5	-	-	10	10	1500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1036·8	+2	WSW	2	F	39	95	1	-	-	-	10	10	<150
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1035·8	-6	NNW	2	c	46	95	7	4	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240														
	Scilly (St. Mary's)	163	1036·9	-8	-	0	c	45	75	8	5	-	-	9+	9+	2500
	Guernsey ...	175	1036·6	-4	E'S	1	o	46	75	7	5	-	-	10	10	2500
6	Pembroke ...	142	1036·8	-2	NW'N	1	c	45	85	7	5	-	-	7·8	7·8	4000
7	Holyhead ...	26														
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1035·3	-4	SSW	1	F	44	95	2	5	-	-	10	10	<150
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1034·4	0	WSW	2	o	46	95	6	5	-	-	10	10	800
11	Inchkeith ...	190	1032·1	-2	SW	2	z_o	45	95	6	5	1	-	4·6	7·8	800
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1035·8	0	WNW	3	c	46	95	8	-	7	-	0	9	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1030·7	-8	SW	3	c	46	95	8	5	7	-	7·8	9+	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1031·4	-4	SW	2	c	44	95	8	5	1	-	7·8	7·8	1500
16	Lerwick ...	156	1028·3	-22	SSW	3	ir_o	46	95	7	9	2	-	9	10	800
17	Blacksod Point	18	1034·8	-10	S	3	bc	44	95	8	4	-	3	2·3	4·6	1500
18	Malin Head ...	52	1035·1	-10	SW	1	bc	45	95	7		-	-	4·6	4·6	2500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1035·4	-2	S	2	$r_o r_o$	45	95	6	9	-	-	10	10	450
	Roches Point	22	*	*	-	*	*	*	*	*	*	*	*	*	*	*

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

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)
1035·5	-6	-	0	dF	43	95	1	f	-	-	10	10	<150	1	*
1035·6	-6	SSE	2	f	44	95	3	5	-	-	10	10	2500	1	*
1035·8	-4	-	0	c/d	42	95	5	5	-	-	10	10	2500	1	*
1035·8	-10	E	1	c	41	95	6	5	-	-	10	10	1500	1	*
1035·5	-8	-	0	c	43	95	6	5	-	-	10	10	4000	1	0
1036·4	-4	-	0	m	43	95	4	5	-	-	10	10	450	1	1
1036·0	-2	-	0	m	43	95	4	5	-	-	10	10	1500	1	*
1036·2	0	SE	1	f	43	95	2	-	-	-	10	10	<150	1	*
1036·0	-2	-	0	f	36	95	2	5	-	-	10	10	450	1	2
1035·7	-8	SSE	1	m	42	95	4	5	-	-	10	10	1500	1	*
1035·1	-8	SSW	1	m	43	95	4	-	2	-	0	10	-	1	*
1035·3	-4	-	0	c	43	95	5	5	-	-	10	10	2500	1	*
1036·1	-6	-	0	f	42	95	3	5	-	-	10	10	<150	1	*
1034·8	-6	-	0	z_o	41	95	6	5	-	-	10	10	2500	1	*
1034·4	-6	NNW	2	c	45	95	7	4	-	-	10	10	2500	1	2
1035·0	-4	-	0	c	42	95	7	5	-	-	10	10	2500	1	1
1034·8	-6	ENE	2	c	46	75	8	5	-	-	10	10	1500	1	2
1034·7	-10	WSW	1	c	45	85	8	5	-	-	10	10	2500	1	1
1035·3	-2	SE'E	1	o	45	75	8	5	-	-	10	10	2500	1	1
1034·5	-8	ENE	1	c	44	95	7	5	-	-	9+	9+	2500	1	1
1034·7	-10	-	0	c	45	95	8	5	2	-	7·8	10	2500	1	2
1035·1	-4	-	0	c	41	95	7	5	-	-	10	10	2500	1	*
1035·1	-10	-	0	ir_o	41	95	5	5	-	-	10	10	2500	1	*
1034·3	-8	SW	2	f	44	95	2	5	-	-	10	10	<150	1	1
1034·2	-4	WSW	1	c	44	85	7	5	-	-	10	10	1500	1	*
1033·0	-8	W	2	bc	45	75	7	2	6	-	2·3	4·6	1500	1	2
1032·1	0	SW	3	c	43	95	7	8	3	-	4·6	7·8	2500	1	2
1032·3	-2	WSW	2	b	37	95	8	5	-	-	Tr	Tr	4000	1	*
1032·4	-2	NSW	1	c/d	44	95	5	5	3	-	7·8	9+	1500	1	*
1034·0	-2	SSW	1	ir_o	39	95	7	5	-	-	10	10	1500	1	*
1034·2	-4	WSW	1	o	42	95	8	6	-	-	10	10	2500	1	2
1031·4	0	WSW	3	bc	46	95	8	8	-	-	4·6	4·6	2500	1	
1029·1	-4	SW	4	c/pr	45	95	8	5	7	-	7·8	9+	1500	1	2
1032·7	-8	S	1	c	37	95	7	4	6	-	7·8	9	2500	0	*
1030·5	-8	-	0	z_o	44	95	6	5	7	-	4·6	9	2500	1	1
1029·6	-6	WSW	3	c	42	95	8	8	7	-	4·6	7·8	1500	1	1
1026·8	-4	SSW	5	c	46	95	7	8	2	-	9	10	800	1	*
1031·7	-10	S	2	c	45	95	7	5	-	-	7·8	7·8	800	0	3
1032·9	-20	S	1	bc	40	95	7	1	-	-	4·6	4·6	2500	0	2
1034·2	-6	-	0	c	40	95	6	5	-	-	10	10	1500	1	*
1033·8		SSW	1	c	37	95	8	5	-	-	9+	9+	2500	1	*
1033·4	-6	SSE	4	$r_o r_o$	45	95	6	5	-	-	10	10	800	1	3
1034·9	-8	S	2	c	46	95	8	5	-	-	10	10	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 26th Hrs. (36)
1	London (Kew)	47	43	41	-	0·2	3·9
	Croydon ...	48	43	41	-	Tr	4·3
	S. Farnborough	48	43	41	-	Tr	3·8
	Boscombe Down	49	42	40	-	Tr	6·2
	Calshot (Sthmtn.)	48	40	39	-	-	3·2
	Lympne ...	49	42	40	-	-	3·2
	Manston ...	46	40	37	-	0·1	3·7
2	Shoeburyness ...	46	37	34	Tr	0·2	1·1
	Felixstowe ...	46	38	38	-	0·6	0·4
	Gorleston ...	48	35	35	-	-	2·2
	Mildenhall ...	44	41	39	-	Tr	0·5
	Cranwell ...	48	43	42	-	0·4	1·7
3	Birmingham ...	47	42	39	-	-	3·5
	Upper Heyford	47	41	40	-	-	*
4	Ross-on-Wye	48	41	39	-	-	0·5
5	Portland Bill ...	48	43	*	-	-	*
	Plymouth ...	46	42	40	-	-	0·0
	The Lizard ...						
	Scilly (St. Mary's)	46	43	*	-	-	*
	Guernsey ...	48	44	*	-	-	0·0
6	Pembroke ...	48	45	41	-	-	0·0
7	Holyhead ...	48	43	*	Tr	Tr	0·0
	Chester (Sealand)	48	44	42	Tr	-	0·0
8	Manchester ...	49	41	39	-	-	0·0
10	Spurn Head ...	49	41	39	-	0·3	0·0
	Catterick ...	46	43	*	-	0·1	0·0
	Tynemouth ...	50	43	40	Tr	-	1·0
11	Inchkeith ...	48	45	41	-	-	0·0
	Leuchars ...	48	42	40	-	1	0·2
12	Renfrew (Abbotsl.)	52	37	31	-	-	2·5
	Eskdalemuir ...	50	41	38	-	1	0·4
	Point of Ayre ...	47	39	37	-	0·1	0·8
13A	Tiree	50	41	*	-	Tr	0·3
13B	Stornoway ...	49	42	40	0·5	0·5	0·0
15	Dalwhinnie ...	49	44	*	0·2	0·2	0·0
	Aberdeen ...	46	34	28	-	-	0·0
	Wick ...	47	44	42	Tr	0·3	0·0
16	Lerwick ...	46	41	*	-	0·2	*
17	Blacksod Point	48	40	*	1	-	*
18	Malin Head ...	49	38	*	0·1	?	0·0
	Aldergrove ...	46	39	37	Tr	0·1	0·0
19	Birr Castle ...	44	35	29	Tr	0·6	0·0
20	Valentia Obsy. †	45	43	41	Tr	1	2·7
	Roches Point	45	37	*	Tr	Tr	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs. Yesterday.	Humidity. 15h. G.M.T % Yesterday.	Humidity. 9h. G.M.T % To-day.	Visibility 9h. To-day.
Kew	18	bcz$_o$	rccm$_o$	cm	47	43	41	-	0·2	3·9	•	•	1
Croydon	317	bwbcbz$_2$	cz$_o$mf	ofcm	48	43	41	-	Tr	4·3	•	•	4
Greenwich (Royal Observatory)	149	cbf	cf	cmddf	47	42	40	-	0·5	0·4	80	99	3
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	0·0	•	•	•
Westminster (St. James' Park)	27	•	•	•	47	44	41	0	3	1·5	83	95	•
Regents Pk. (Botanic Gardens)‡	168	•	•	•	47	39	×	Tr	1·0	0·8	84	92	•
Camden Square	110	xbmb	bcc	•	46	44	41	-	1	•	•	98	•
Kensington	80	bcf	ofd	•	47	43	41	-	0·4	1·7	84	96	•
Hampstead Observatory	440	bc	bcofd	ofd	45	42	38			2·6	•	97	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

Max.	Time.	Min.	Time.
1·3	10-12h 25th	0·3	2-5h. 26th

Kew Observatory.

Max.	Time.	Min.	Time.
1·0	6h. 26th	0·1	7h. 26th

FOREIGN OBSERVATIONS.

18h. G.M.T. 25th December — 7h. G.M.T. 26th December — Past 24 Hours.

Stations.	18h. Barom. mb.	18h. Wind. Direc.	18h. Wind. Force.	18h. Weather.	18h. Temp. °F.	7h. Barom. mb.	7h. Wind. Direc.	7h. Wind. Force.	7h. Weather.	7h. Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris	1036·5	-	0	m	43	1035·5	-	0	o	41	43	?	-	?
Brussels						1036·6	ESE	2	b	36		36		-
Berlin	1023·4	NNW	3	b	39	1034·8	NW	1	z_o	32	46	32	2	-
Zürich						1036·0	N	1	m	32		32		0·4
Rome	1023·9	N	2	z_o	43	1024·5	ENE	2	z_o	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	1½ miles.
5	Poor visibility	2½ ,,
6	Moderate ,,	6½ ,,
7	Good ,,	12½ ,,
8	Very good ,,	31 ,,
9	Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 27th December, 1936.
No. 27429

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

Dist.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1034·8	-12	-	0	df	45	85	1	-	-	-	10	10	150
	Croydon ...	1034·7	-14	SE	2	id.	45	95	4	5	2	-	7-8	10	1500
	S. Farnborough	1034·6	-14	-	0	df	44	95	2	5	-	-	10	10	1500
	Boscombe Down	1034·8	-14	SEE	1	z.	43	95	5	5	-	-	10	10	2500
	Calshot (Sthmtn.)	1034·4	-12	ESE	3	c/f	46	95	6	5	-	-	10	10	2500
	Lympne ...	1035·7	-14	SES	2	d.d.	43	95	4	5	2	-	7-8	10	1500
	Manston ...	1035·3	-12	SE	1	id.	46	95	6	5	-	-	10	10	1500
2	Shoeburyness ...	1035·5	-12	SES	1	id.	44	95	4	5	-	-	10	10	1500
	Felixstowe ...														
	Gorleston ...	1035·4	-10	SW	2	z.	42	95	5	5	-	-	10	10	2500
	Mildenhall ...	1035·2	-10	SSE	1	df	45	95	2	5	-	-	10	10	450
	Cranwell ...	1034·8	-10	WS	1	m	43	95	4	5	-	-	10	10	4000
3	Birmingham ...	1034·4	-8	SSE	1	m	45	75	4	5	-	-	10	10	1500
	Upper Heyford	1034·3	-16	-	0	f	42	95	3	-	-	-	10	10	150
4	Ross-on-Wye	1035·6	-8	WSW	1	z.	43	95	5	5	-	-	10	10	2500
5	Portland Bill ...	1033·9	-12	E	2	c	47	95	7	4	-	-	10	10	2500
	Plymouth ...	1033·7	-16	NEN	1	c	45	75	8	5	-	-	10	10	4000
	The Lizard ...	1033·0	-14	NEN	3	c	46	75	8	6	2	-	9	9+	2500
	Scilly (St. Mary's)	1032·7	-14	ESE	4	c	47	75	8	5	-	-	10	10	2500
	Guernsey ...	1034·0	-14			c	46	75	8	8	-	-	9+	9+	2500
6	Pembroke ...	1032·0	-6	E	2	c	45	85	8	5	2	-	7-8	10	2500
7	Holyhead ...	1034·0	-6	S	3	c	46	85	9	8	-	-	9+	9+	2500
	Chester (Sealand)	1034·5	-10	-	0	z.	45	85	6	5	-	-	10	10	4000
8	Manchester ...	1034·7	-10	-	0	ir.	43	95	4	5	7	-	7-8	9+	1500
10	Spurn Head ...	1034·2	-8	WSW	2	cf	44	95	3	5	2	-	7-8	10	150
	Catterick ...	1033·7	-10	WS	3	c	43	85	8	5	3	-	4-6	7-8	4000
	Tynemouth ...	1033·1	-2	W	2	c	45	75	6	4	-	-	7-8	7-8	1500
11	Inchkeith ...	1030·7	-2	SW	2	z.	44	95	6	5	-	-	7-8	7-8	800
12	Leuchars ...	1032·2	-8	WSW	2	b	47	75	7	8	-	-	tr	tr	2500
	Renfrew (Abbotsl.)	1032·6	-6	WSW	2	z.	46	95	6	5	-	-	10	10	2500
	Eskdalemuir ...	1033·3	-4	S	1	bc	41	85	7	7	-	-	4-6	4-6	1500
	Point of Ayre ...	1033·8	-4	WS	2	bc	49	85	8	2	-	-	4-6	4-6	2500
13A	Tiree	1031·2	-6	SSW	4	bc	47	85	8	5	3	8	2-3	2-3	2500
13B	Stornoway ...	1029·0	-6	SSW	4	c	46	85	8	5	4	-	7-8	9	2500
15	Dalwhinnie ...	1031·9	-12	SW	3	c	42	85	7	4	2	-	4-6	9+	2500
	Aberdeen ...	1030·5	-10	WSW	1	z.	49	75	6	3	4	-	1	1	2500
	Wick ...	1029·0	-6	SW	3	bc	45	95	8	5	4	-	2-3	2-3	1500
16	Lerwick ...	1025·8	-6	WSW	5	c/d	46	95	7	9	9	-	7-8	9	800
17	Blacksod Point	1030·8	-12	SW	3	c	46	95	8	5	-	-	10	10	800
18	Malin Head ...	1031·6	-16	SE	4	c	41	95	7	5	4	-	4-6	7-8	1500
	Aldergrove ...	1033·6	-10	-	0	c	41	95	6	5	-	-	9+	9+	800
19	Birr Castle ...	1033·5		S	1	c	43	95	8	5	-	-	9+	9+	2500
20	Valentia Obsy. †	1032·3	-10	SE	3	c	46	75	8	5	-	-	9	9+	1500
	Roches Point	1033·2	-12	SSW	2	c	47	85	8	5	-	-	9	9	1500

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

Dist.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1034·0	-2	SSW	1	id.	44	95	4	5	-	-	10	10	450	1	*
	Croydon ...	1033·5	-6	SW	1	id.	44	95	4	5	-	-	10	10	1500	1	*
	S. Farnborough	1033·4	-6	ESE	1	df	44	95	3	5	-	-	10	10	1500	1	*
	Boscombe Down	1033·5	-6	ESE	2	z.	43	95	5	5	-	-	10	10	2500	1	*
	Calshot (Sthmtn.)	1032·3	-8	SEE	3	c	46	95	7	5	7	-	4-6	10	2500	1	1
	Lympne ...	1034·4	-6	-	0	m	42	95	4	5	2	-	9+	10	2500	1	1
	Manston ...	1034·4	-2	-	0	m	43	95	4	5	-	-	10	10	2500	1	*
2	Shoeburyness ...	1034·1	-8	SSE	2	c	43	95	6	5	-	-	10	10	1500	1	*
	Felixstowe ...																
	Gorleston ...	1033·9	-8	-	0	z.	44	95	5	5	-	-	10	10	1500	1	2
	Mildenhall ...	1033·9	-6	-	0	f+	44	95	2	5	-	-	10	10	800	1	*
	Cranwell ...	1033·7	-6	-	0	f+	43	95	2	5	-	-	10	10	4000	1	*
3	Birmingham ...	1033·2	-6	E	2	m	44	85	4	5	-	-	10	10	1500	1	*
	Upper Heyford	1033·9	-6	-	0	f	41	95	3	-	-	-	10	10	150	1	*
4	Ross-on-Wye	1032·5	-8	-	0	f+	42	95	3	5	-	-	10	10	800	1	*
5	Portland Bill ...	1032·1	-6	SSE	3	c	47	95	7	4	-	-	10	10	2500	1	2
	Plymouth ...	1031·8	-~~14~~ 10	NE	1	z.	44	85	6	5	-	-	10	10	2500	1	0
	The Lizard ...	1031·0	-10	NE	3	c	45	85	8	5	2	-	9	10	2500	1	2
	Scilly (St. Mary's)	1030·8	-8	E	4	c	46	75	8	5	-	-	10	10	1500	1.	2
	Guernsey ...	1032·3	-4	E	1	c	44	85	6	8	-	-	10	10	2500	1	1
6	Pembroke ...	1031·7	-6	E	2	c	44	75	8	5	2	-	7-8	10	2500	0	1
7	Holyhead ...	1032·9	-8	SES	1	c	45	95	8	5	~~2~~	-	4-6	10	2500	1	1
	Chester (Sealand)	1033·3	-8	-	0	z.	42	95	5	5	-	-	9+	9+	4000	1	*
8	Manchester ...	1033·7	-6	-	0	m	42	95	4	5	-	-	10	10	1500	1	*
10	Spurn Head ...	1033·0	-6	WSW	2	f	42	95	3	5	2	-	7-8	10	150	0	1
	Catterick ...	1032·9	0	-	0	b	38	85	7	5	-	-	1	1	4000	1	*
	Tynemouth ...	1032·9	0	W	2	c	44	75	6	5	-	-	7-8	7-8	800	1	2
11	Inchkeith ...	1031·7	+4	SW	2	z.	43	95	6	5	-	-	4-6	4-6	800	0	1
12	Leuchars ...	1032·2	-6	WSW	2	c	42	95	6	5	-	-	9	9	4000	1	*
	Renfrew (Abbotsl.)	1031·5	-4	SWS	1	z.	44	85	6	5	-	-	9	9	4000	1	*
	Eskdalemuir ...	1032·3	-6	SE	1	c	37	95	4	5	-	-	9+	9+	220	1	*
	Point of Ayre ...	1032·4	-6	SSW	2	c	38	95	8	5	-	-	9	9	2500	1	2
13A	Tiree	1029·8		S	3	c	44	95	8	5	7	8	9	9+	2500	0	2
13B	Stornoway ...	1028·4	-4	SSW	5	c	47	85	8	5	7	-	9	9+	1500	1	2
15	Dalwhinnie ...		-6	SW	3	c	41	85	8	5		-	10	10	2500	0	*
	Aberdeen ...	1030·4	-4	WNW	1	m	36	95	4	-	5	-	0	4-6	-	1	1
	Wick ...	1028·9	0	SW	3	c	42	95	8	5	6	-	7-8	9+	1500	1	1
16	Lerwick ...	1025·7	-2	WSW	4	c	46	95	8	8	7	-	4-6	7-8	800	*	*
17	Blacksod Point	1029·7	-8	S	2	c	46	95	8	5	-	-	10	10	800	1	2
18	Malin Head ...	1030·2	-6	SE	3	c	43	95	8	-	5	-	0	7-8	-	1	1
	Aldergrove ...	1032·5	-4	SE	2	bc	36	95	6	-	-	8	0	2-3	-	1	*
19	Birr Castle ...	1031·6		SW	1	bc	39	95	8	5	-	-	4-6	4-6	2500	1	*
20	Valentia Obsy. †	1029·5	-14	ESE	3	c/d	43	85	8	5	7	1	7-8	9	1500	1	2
	Roches Point	1031·1	-10	SW	2	c	46	95	8	8	-	-	9+	9+	1500	1	2

PAST 24 HOURS.

Dist.	Stations. (For heights see p. 4.)	Weather. 7h.–13h. 26th (37)	Weather. 13h.–18h. 26th (38)	Weather. 18h. 26th–1h. 27th (39)	Weather. 1h.–7h. 27th (40)
1	London (Kew)	f d. f d.	f d. c o m d.	o m d. c m	c m.
	Croydon ...	c f d. d. i d m	c i d. m i d. c m	m.	c m.
	S. Farnborough	f d. d. f o	d. f i d. f	o i d. f c m.	c m.
	Boscombe Down	c m. c m. c m.	c m.	c m.	c m.
	Calshot (Sthmtn.)	c f r i.	c i r o m.	c	d c b m.
	Lympne ...	m d. d d i f	c d. d. c m	c	c b c c
	Manston ...	c m. l. d.	c m o d. m c m m.	c m.	c m. c m.
2	Shoeburyness ...	i d. f i m c	i d. m m c	c m.	c m.
	Felixstowe ...				
	Gorleston ...	o f c z.	o f o z.	o m f f e	o f f e
	Mildenhall ...	c f f d.	o d. f f	o f e	o f f e
	Cranwell ...	c m	c m c f e	o f e f e	o f e
3	Birmingham ...	c m	c m	c m	c
	Upper Heyford	o f f	o f f	o f f	o f f
4	Ross-on-Wye	c m.	c m. o m	o f o m	o m
5	Portland Bill ...	c	c	c	c
	Plymouth ...	c	c m.	c m.	c m. c
	The Lizard ...	c	c	c	c o
	Scilly (St. Mary's)	c	c	c	c
	Guernsey ...	o c	c	c	c
6	Pembroke ...	c v c	c v c	c q c	c q c
7	Holyhead ...	v c	c	c	c
	Chester (Sealand)	c m.	c m.	c m f f	c f f
8	Manchester ...	f f d. i r.	c i r. m c	c n f m	c m. c
10	Spurn Head ...	f f	f f	f m c m z	z c o
	Catterick ...	c b c	b c b	b z b c	b o w c m.
	Tynemouth ...	b c c	c m	c	c
11	Inchkeith ...	c z.	z.	z. b c	b c c w
12	Leuchars ...	b	b b c c w	c m w b	b f e x c
	Renfrew (Abbotsl.)	m. d d. c	c m. o	c m. o b m x	b m x c m
	Eskdalemuir ...	d. o c b c	b c c m	c f f e	f f e c
	Point of Ayre ...	z. o c b c	b c c	c o	o
13A	Tiree	b c	b c c	c	c
13B	Stornoway ...	c p r.	c	c b c c	c p r o c
15	Dalwhinnie ...	c. c v.	c	c	b c c
	Aberdeen ...	c m o b	b b c z.	b c z h f x ~~b x~~	~~b c z h f x~~ b x
	Wick ...	c b c	b c c	b c c	c
16	Lerwick ...	c l d.	c l d.	c	c l d.
17	Blacksod Point	i r. d	i r. d	i d r	c
18	Malin Head ...	c	c	c	c
	Aldergrove ...	o m f f c	c b w m.	b w c	c
19	Birr Castle ...	c	c b c	b c	b c v o i d
20	Valentia Obsy. †	r o r. c v	c l o d. c	c c p r.	c p r o c
	Roches Point	c	c	c i r c	c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
ip, 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.
r$_s$, 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. ^{gs}gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; + has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo-stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

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

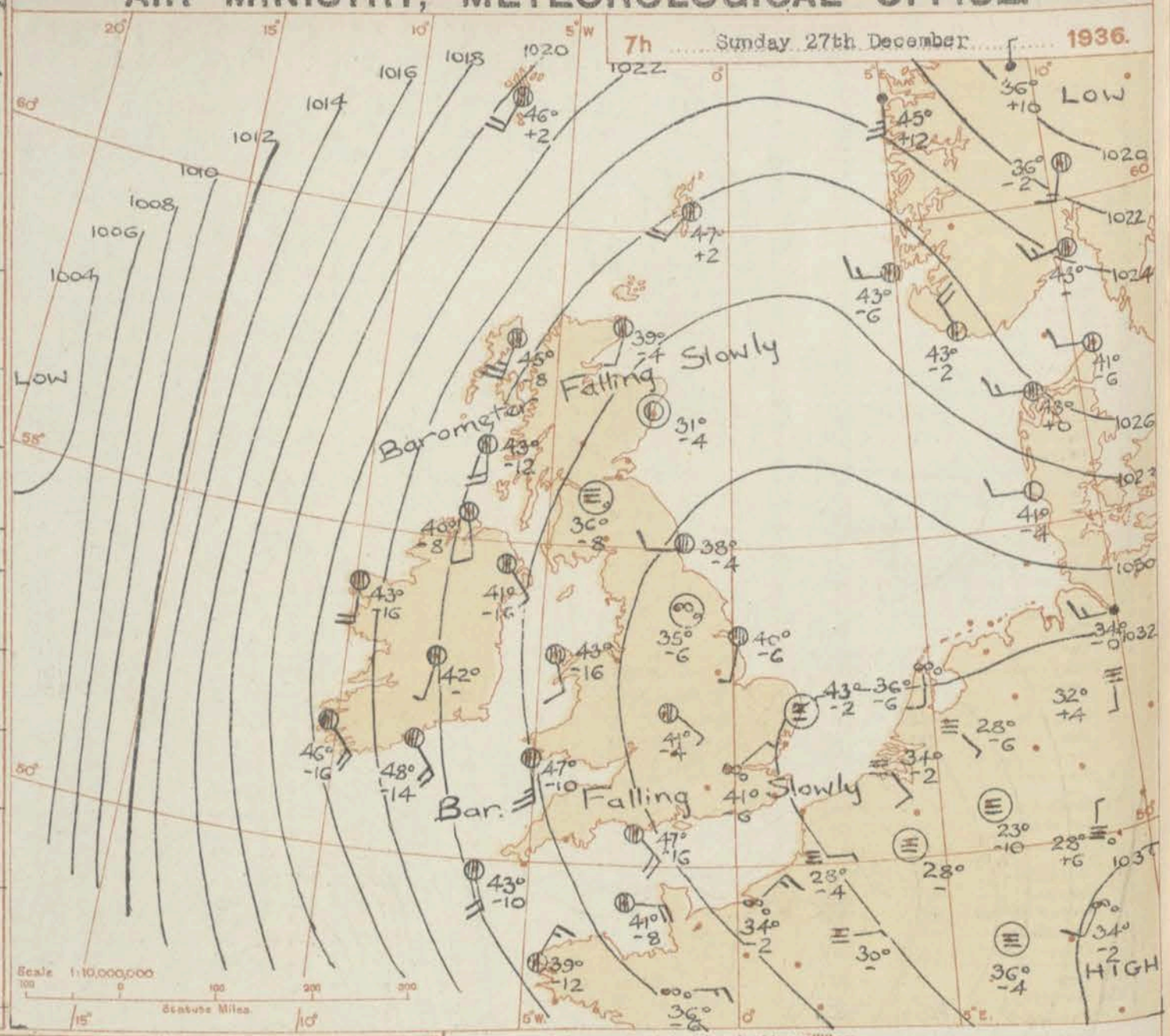
† Sea disturbance reported from Donegansss.

REPORTS from HEALTH RESORTS for 26th December 1936.

District No.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperatures (F) Min. 9h. 25th to 9h. 26th	Temperatures (F) Max. 9h.—17h. 26th	Rainfall (mm.) Night. 17h. 25th to 9h. 26th	Rainfall (mm.) Day. 9h.—17h. 26th	Sunshine/hrs. Sunrise to Sunset 26th
1	Tunbridge W.	fo	om	33	44	Trace	-	0·0
	Bournemouth	mo	of	41	44	-	-	0·0
	Ventnor ...	oz	oz	43	47	-	-	0·0
	Southsea ...	om	o	43	47	-	-	0·0
	Bognor Regis	co	co	41	48	0·5	-	0·0
	Littlehampton	omo	o	39	46	0·3	-	0·0
	Worthing ...	oldo	oldo	41	46	Trace	0·3	0·0
	Brighton ...	cfcf	dodc	40	47	-	Trace	0·0
	Eastbourne†	fo	o	44	47	Trace	-	0·0
	Hastings† ...	omo	odo	44	49	Trace	Trace	0·0
	Folkestone ...	orfd	odoo	41	45	1	0·5	0·0
	Dover... ...	oldo	oldo	44	48	0·4	Trace	0·0
	Deal	ffo	o	41	45	-	-	0·0
	Ramsgate ...	odm	om	41	45	-	0·2	0·0
	Margate ...	cmdo	c	42	45	01	0·1	0·0
2	Southend ...	ofdom	odoom	39	44	0·5	Trace	0·0
	Maldon ...	fo	o	39	45	-	-	0·0
	Clacton-on-Sea	ofcm	cm	36	45	0·3	-	0·0
	Dovercourt ...	rocf	foce	38	45	0·4	Trace	0·0
	Lowestoft ...	ofdo	ofd	35	44	-	1	0·0
	Skegness ...	of	ofcf	42	44	0·3	Trace	0·0
	Mablethorpe	om·eq	om·q	43	45	-	-	0·0
	Cleethorpes ...	orm	orm	42	44	1	0·5	0·0
3	Leamington S.	o	om	41	44	-	-	0·0
4	Cheltenham†	ofc	com·	40	44	-	-	0·0
5	Bath	c	c	41		-	-	0·0
	Weymouth ...	c	c	39	46	-	-	0·0
	Jersey ...	o	co	43	45	-	-	0·0
	Torquay ...	om·	om·	42	46	-	-	0·0
	Penzance ...	c	c	43	46	Trace	-	0·0
	St. Ives ...	o	o	44	48	-	-	0·0
	Bude	c	c	42	46	-	-	0·2
	Ilfracombe ...	ocoz	oz	43	46	-	-	0·0
6	Aberystwyth	d·c	c	40	47	0·5	Trace	0·0
7	Llandudno ...	c	c	43	45	-	-	0·0
	Colwyn Bay...	o	o	43	46	-	-	0·0
	Rhyl	c	c	42	45	Trace	-	0·0
8	Wallasey ...	fm	mf	43	45	1	-	0·0
	Southport‖ ...	odq	omo	43	45	0·6	0·1	0·0
	Blackpool ...	omdq	om	43	44	3	0·2	0·0
	Morecambe ...	c	c	42	45	0·3	-	0·0
9	Ilkley... ...	o	o	41	46	-	-	0·0
	Harrogate ...	c	c	42	44	-	-	0·0
10	Berwick-on-T.	b	b	41	45	0·2	-	5·0
11	Dunbar ...	bc	bc	41	46	-	-	4·0
12	Troon... ...	roe	cbcc	45	47	2	-	0·0
	Douglas ...	cbw	co	41	46	-	-	0·1

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 27th December, 1936.
1 S.E. England	Light east to southeast wind, fair, local morning mist or fog; mild by day; ground frost at night.
2 E. England ...	
3 E. Midlands ...	Light variable wind, fair, local mist or fog; average temperature; ground frost at night.
4 W. Midlands ...	As 1.
5 S.W. England	Light to moderate southeast wind; variable cloud; mild.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Light to moderate southeast to south wind, fair; local morning mist or fog; average day temperature; ground frost at night.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Moderate south wind; variable cloud; mild.
13 A. W. Scotld. B.N.W.Scotland.	Fresh or strong southerly winds, fair at first, rain later in period; average temperature or rather mild.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkney and Shetland	
17 N. W. Ireland	Moderate to fresh southeast to south wind, cloudy, scattered showers; mild.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:— Clear sky. Sky less than 1/5 clouded. Sky 1/5 to 2/5 clouded. Sky 2/5 to 3/5 clouded. Sky 3/5 to 4/5 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
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 Central Europe and extending to the British Isles is receding east while a deepening depression off Southwest Iceland will move slowly northeast. Weather will be fair but rain will occur later in the extreme north and northwest.

FURTHER OUTLOOK.

Fair in east and southeast England; unsettled in the north and northwest of the British Isles.

Forecasts issued at 1030 G.M.T.

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

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

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

Morning of

SUNDAY
27TH DECEMBER.

1936.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = 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 27th December, 1936
No. 27429

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

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	1031·7	-10	SE	1	Z_o	42	95	5	5	-	-	9+	9+	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Stn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1032·9	-10	E'S	2	c	40	95	8	5	-	-	9+	9+	2500
	Manston ...	142	1032·4	-8	-	0	Z_o	42	95	5	5	-	-	10	10	2500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1032·5	-6	-	0	f	42	95	2	5	-	-	10	10	450
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1030·1	-6	SE	3	c	47	95	8	4	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1028·5	-6	ESE	4	c	45	75	8	5	-	-	10	10	1500
	Scilly (St. Mary's)	163	1028·7	-10	SE	4	c	46	75	8	5	-	-	10	10	2500
	Guernsey ...	175	1030·3	-8	ESE	3	c	43	85	7	6	-	-	10	10	2500
6	Pembroke ...	142	1029·4	-6	SE	4	c	45	85	7	5	2	-	4-6	10	2500
7	Holyhead ...	26	1031·0	-8	S'E	2	c	44	75	8	5	-	-	10	10	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1032·2	-4	-	0	Z_o	40	95	5	5	7	-	7-8	9+	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1031·5	-6	W	2	c	41	85	6	4	-	-	7-8	7-8	2500
11	Inchkeith ...	190	1031·7	0	SW	2	bc	40	95	7	5	-	-	2-3	2-3	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1031·1	-6	SNW	2	o	43	95	8	5	-	-	10	10	4000
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1027·1	0	SSW	4	c	46	95	8	5	-	-	9+	9+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1028·1	-2	SW	3	c	40	95	8	7	6	8	4-6	7-8	2500
16	Lerwick ...	156	1025·7	0	WSW	5	c	47	85	8	8	3	-	4-6	7-8	800
17	Blacksod Point	18	1026·7	-14	S	4	c	44	85	8	8	-	-	10	10	800
18	Malin Head ...	52	1028·2	-8	S'E	4	c	42	95	7	6	-	-	9+	9+	2500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1026·4	-10	S'E	3	$d_o d_o$	44	95	7	6	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

District	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	1030·7	-6	E	1	Z_o	42	95	6	5	-	-	9+	9+	1500	1	*
	1030·8	-6	ENE	1	Z_o	41	95	5	5	-	-	9+	9+	4000	1	*
	1030·5	-10	ENE	1	c	41	95	6	5	-	-	9+	9+	1500	1	*
	1030·4	-4	E	2	Z_o	41	95	6	5	1	-	9	10	2500	1	*
	1029·8	-10	NE'E	3	Z_o	41	95	6	8	-	-	2-3	2-3	4000	1	ss 3
	1031·5	-6	E'N	2	c	36	85	7	5	-	-	9	9	2500	1	1
	1031·2	-6	SSE	1	Z_o	40	95	5	5	-	-	9+	9+	4000	1	*
	1031·2	-4	SSE	2	c	41	95	6	5	-	-	10	10	1500	1	*
	1031·9	-2	-	0	f	43	95	2	-	-	-	10	10	<150	1	1
	1031·2	-6	-	0	f	42	95	3	5	-	-	10	10	800	1	*
	1031·3	-4	-	0	F	40	95	1	-	-	-	10	10	<150	1	*
	1030·6	-4	ESE	1	c	41	95	5	5	-	-	10	10	1500	1	*
	1030·9	-8	E	1	f	40	95	2	-	-	-	10	10	<150	1	*
	1029·4	-6	SE	2	m	42	95	4	5	-	-	10	10	800	1	*
	1028·1	-16	ESE	4	c	47	85	8	4	-	-	9+	9+	2500	1	3
	1027·4	-14	SE	2	c	45	85	7	5	-	-	10	10	4000	1	1
	1026·7	-8	E	4	c	45	85	7	5	-	-	10	10	1500	1	2
	1026·2	-10	SSE	4	c	43	85	8	6	-	-	10	10	2500	1	2
	1028·2	-8	E'S	4	c	41	85	6	8	-	-	7-8	7-8	2500	1	2
	1026·2	-10	S'E	5	q	47	85	7	5	2	-	7-8	10	2500	0	2
	1028·3	-16	SSE	3	c	43	85	8	5	-	-	10	10	4000	1	2
	1030·0	-8	ESE	1	f	40	95	3	5	-	-	10	10	2500	1	*
	1030·5	-6	SE	1	c	41	95	7	5	-	-	10	10	2500	1	*
	1031·3	-6	S'W	1	c	40	95	6	-	2	-	0	10	-	1	1
	1031·1	-6	-	0	Z_o	35	95	6	5	-	-	10	10	2500	1	*
	1030·4	-4	W	2	c	38	85	6	5	-	-	9+	9+	1500	1	1
	1029·8	-4	NE	1	c	37	95	8	5	-	-	10	10	2500	1	1
	1029·7	-8	WNW	1	m	31	95	4	5	-	-	9+	9+	4000	1	*
	1028·9	-8	-	0	m	36	95	4	5	-	-	10	10	1500	1	*
	1029·8	-8	-	0	c	35	95	7	5	-	-	10	10	1500	1	*
	1029·0	-18	SSW	3	o	44	85	7	5	-	-	10	10	2500	1	2
	1025·9	-12	S	4	c	43	85	8	5	-	-	9+	9+	2500	0	x
	1025·4	-8	SSW	5	c	45	85	9	5	7	-	4-6	7-8	2500	1	2
	*	-8	S	1	c	35	95	7	5	-	-	10	10	1500	0	*
	1028·4	-4	-	0	b	31	95	8	-	-	1	0	Tr	2-	4	4
	1027·2	-4	SSW	1	c	39	95	8	5	4	6	4-6	7-8	1500	1	1
	1026·1	+2	WSW	4	c	47	85	8	8	2	-	4-6	7-8	800	1	*
	1023·5	-16	S	4	c	43	95	8	9	-	-	7-8	7-8	800	1	3
	1026·3	-8	S'E	2	c	40	95	7	5	-	-	7-8	7-8	2500	0	2
	1027·4	-16	SE	1	c	41	95	7	5	7	-	9+	10	1500	1	*
	1025·6	*	SW	1	°4/d	42	85	7	5	-	-	10	10	1500	1	*
	1022·6	-16	SE'S	4	c	46	85	8	5	-	-	10	10	1500	1	3
	1024·5	-14	SE	4	c	48	95	8	8	-	-	9+	9+	1500	1	3

PAST 24 HOURS.

District	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 24 Hrs. (36)
1	45	41	36	0·5	0·1	0·0
	45	41	36	0·2	0·1	0·0
	44	41	37	0·3	0·1	0·0
	44	40	39	-	-	0·0
	46	41	39	0·1	-	0·0
	44	34	30	1	-	0·0
	45	40	38	0·1	-	0·0
2	44	40	38	0·3	-	0·0
	45	42	41	-	-	0·0
	45	41	41	0·3	Tr	0·0
	43	39	38	Tr	-	0·0
3	45	40	39	-	-	0·0
	42	40	39	-	-	*
4	43	40	39	-	-	0·0
5	47	46	*	-	-	*
	45	43	42	-	-	0·0
	46	42	*	-	-	*
	47	42	*	-	-	0·0
	46	41	37	-	-	0·0
6	45	43	*	-	-	0·0
7	47	43	41	-	-	0·0
	45	40	39	-	-	0·0
8	44	41	39	0·4	-	0·0
10	46	40	*	-	Tr	0·0
	48	29	22	-	-	2·3
	46	36	34	-	-	0·3
11	45	36	28	-	-	0·8
	47	31	28	-	Tr	*
12	46	29	25	0·3	-	0·0
	42	34	34	Tr	Tr	1·1
	49	38	*	-	-	4·4
13A	47	43	42	-	-	3·5
13B	47	45	*	0·2	Tr	2·0
15	43	28	19	Tr	-	0·0
	49	30	24	-	-	3·0
	46	38	*	-	-	*
16	47	45	*	0·6	Tr	0·0
17	46	42	*	2	Tr	*
18	44	37	*	-	-	2·7
	42	33	29	-	-	0·0
19	44	35	29	-	Tr	0·1
20	46	43	37	0·3	0·5	0·0
	48	45	*	-	0·1	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon.	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	$f d_o f d_o$	$f d_o o m d_o$	$c m_o$	45	41	38	0·5	0·1	0·0	*	*	5
Croydon	217	$f d_o d_o$	$i d_o m$	$c i d_o m$	45	41	38	0·2	0·1	0·0	*	*	6
Greenwich (Royal Observatory)	149	$o f i d_o$	$o f d_o$	$o f o c m$	45	40	36	0·3	Tr	0·0	96	91	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Park)	27	*	*	*	46	43	39	0·3		0·0	95	84	*
Regents Pk. (Botanic Gardens)†	168	*	*	*	52	39	39	Tr	Tr	0·0	59	75	*
Camden Square	110	$f o f d$	$f c d c f$	*	45	32	37	0·3	-	*	*	94	*
Kensington	80	bc	bc	*	45	41	36	0·3	Tr	0·0	At 18h. 95	87	*
Hampstead Observatory	440	~~c m~~ f d	o f d	o m	~~43~~ 44	39	~~28~~ 35	~~5~~ 5	~~0·1~~ 0·1	0·0	*	~~87~~ 89	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·6	11–13h 26th	<0·3	3h 27th

Kew Observatory. Max.	Time.	Min.	Time.
0·6	12h 26th	0·1	6h 27th

FOREIGN OBSERVATIONS.

18h. G.M.T. 26th December

Stations	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1032·4	NE	2	Z_o	36
Brussels	1034·1	NE	2	m	32
Berlin	1035·7	WSW	2	m	32
Zürich	1033·8	NE	1	bc	34
Rome	1032·3	-	0	b	*

7h. G.M.T. 27th December

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1030·5	E	1	f	30
1031·4	-	0	f	28
1033·4	SW'S	1	f	30
1032·7	SW	1	Z_o	32

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
46	28	-	-
37	28	-	-
39	*	-	*
*	*	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 28th December, 1936.
No. 27430

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 27th December: Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)	OBSERVATIONS at 18h. G.M.T. 27th December: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)	PAST 24 HOURS. Weather. 7h.—13h. 27th. (37)	13h.—18h. 27th. (38)	18h. 27th to 1h. 28th. (39)	1h.—7h. 28th. (40)
1	London (Kew)	1029.2	-18	E'N	3	z_o	44	78	5	5	–	–	4-6	4-6	2500	1027.8	-6	E	3	z_o	40	85	5	–	–	7	0	9+	–	1	*	bm_2	cm_2	cm_o	em_o
	Croydon ...	1028.8	-16	ESE	4	z_o	45	75	6	1	7	–	4-6	4-6	4000	1027.9	-4	E	2	z_o	36	85	5	–	3	–	0	4-6	–	1	*	cm_2bcm_2	$bcz_{o}m_2$	$bc\nu cm_o$	com_o
	S. Farnborough	1028.8	-14	E'S	2	bc	45	65	7	1	5	2	1	2-3	2500	1027.7	-4	E'S	2	z_o	37	85	6	–	–	2	0	4-6	–	1	*	bcm_2b	$bbcm_2$	$bccm_o$	com_o
	Boscombe Down	1028.3	-18	ESE	4	bc	42	95	7	5	–	9	2-3	4-6	2500	1027.1	-8	ESE	3	z_o	36	95	6	5	–	6	2-3	7-8	2500	1	*	dcm_2bc	$bccbcm_2$	cm_o	bcm_o
	Calshot (Sthmtn.)	1028.1	-14	E	5	z_o	45	85	6	8	–	4	4-6	7-8	1500	1026.5	-8	E'N	5	c	41	85	7	8	–	–	9	9	1500	1	3	$bbcm_o$	bcm_o	c	c
	Lympne ...	1030.1	-14	E'S	3	z_o	40	86	6	1	–	–	1	1	800	1029.2	-4	E	4	z_o	34	96	6	5	–	–	9+	9+	450	1	1	bcm_2bm_2	bm_2cm_2	cm_oom_o	om_o
	Manston ...	1030.0	-12	E'S	2	z_o	41	85	6	5	–	–	1	1	4000	1029.3	-4	E	3	c	37	85	7	5	–	–	7-8	7-8	1500	1	*	$bcbcm_2$	$bbcm_oc$	$cbccm_o$	cm_o
2	Shoeburyness ...	1030.0	-10	ESE	2	b	44	85	6	–	3	–	0	1	–	1029.1	-6	E	3	bc	40	85	7	2	7	–	2-3	2-3	1500	1	*	c_1bm_o	bm_o cbc	bcc	c
	Felixstowe ...																																			
	Gorleston ...	1030.7	-12		0	f	43	95	3	–	–	–	10	10	<150	1030.4	0	SE	3	c	42	95	7	5	–	–	10	10	2500	1	2	off	offc	cbcc	coq
	Mildenhall ...	1030.2	-10	ESE	2	z_o	43	95	5	5	–	–	10	10	800	1029.2	-6	ESE	3	z_o	42	95	6	5	–	–	10	10	1500	1	*	$offcm_2$	ocm_2	cm_obcm_o	bcz_o
	Cranwell ...	1030.3	-8	ESE	1	F	42	95	1	–	–	–	10	10	<150	1029.1	-6	ESE	1	F	41	95	1	–	–	–	10	10	<150	1	*	ofc	ofc	$fccbcm$	$bccm$
3	Birmingham ...	1029.2	-10	ESE	2	c	42	95	5	5	–	–	10	10	1500	1027.7	-6	ESE	3	z_o	40	95	5	5	3	–	2-3	4-6	1500	1	*	a	cbc	bc	bcc
	Upper Heyford	1029.3	-14	ESE	2	z_o	44	85	5	2	3	–	2-3	7-8	2500	1028.0	-6	E'S	3	bc	39	95	6	5	7	–	1	4-6	2500	1	*	$ofcfm$	cbc	bcc	cm_o
4	Ross-on-Wye	1027.4	-12	ESE	2	z_o	45	75	6	5	–	2	1	7-8	1500	1026.5	-8	ESE	2	z_o	39	85	5	–	–	9	0	4-6	–	1	*	$bmcm_2z$	$czbcz$	bm_ocmom	$onid$
5	Portland Bill ...	1026.1	-10	ESE	4	c	45	85	6	4	–	–	10	10	2500	1025.3	-10	ESE	4	c	43	95	7	4	–	–	10	10	2500	1	3	c	c	c	c
	Plymouth ...	1025.8	-14	ESE	3	c	46	75	8	5	–	–	9	9	2500	1024.0	-6	ESE	3	c	43	85	8	5	–	–	9	9	2500	1	1	c	cbbcc	c	c
	The Lizard ...	1024.4	-20	E'S	4	c	45	85	8	8	–	–	9+	9+	2500	1023.1	-6	E'S	5	c	43	85	7	5	–	–	10	10	1500	1	3	oc	c	co	oc
	Scilly (St.Mary's)	1023.9	-18	SSE	4	c	46	85	7	5	–	–	10	10	2500	1022.1	-10	SE'S	4	c	45	85	7	5	–	–	9+	9+	2500	1	2	c	c	c	c
	Guernsey ...	1026.3	-18	SE	3	c	37	35	6	8	–	–	10	10	2500	1024.9	-4	SE	2	0	39	95	6	5	–	–	10	10	2500	1	2	c	co	o	o
6	Pembroke ...	1025.3	-10	SE'S	5	q	46	85	7	5	2	–	4-6	10	2500	1023.1	-4	SE'S	5	q	46	85	7	5	–	–	9+	9+	2500	0	2	cqc	cqm$_2$c	bccq	cq
7	Holyhead ...	1026.6	-12	SSE	4	c	46	85	7	5	–	–	10	10	4000	1024.8	-4	SSE	3	c	44	85	6	5	2	–	7-8	10	4000	1	2	cm_2	cm_2	cbw×	b,c
	Chester (Sealand)	1028.6	-18	–	0	m	42	95	4	5	–	–	10	10	4000	1026.6	-12	E	3	m/f	43	95	4	5	–	–	10	10	4000	1	*	$cffcm$	$cmcffm$	cm	cm_o
8	Manchester ...	1029.0	-12	ESE	2	f	44	85	3	5	–	–	10	10	2500	1027.2	-8	ESE	2	f	43	85	3	5	–	–	10	10	2500	1	*	q_1cmf	$ofmf$	cfm_o	b_1cm_o
10	Spurn Head ...	1030.1	-6	SSE	2	f	43	95	3	5	–	–	10	10	<150	1028.9	-6	SE	3	m	43	95	4	5	–	–	10	10	800	0	2	omf	fom	c	co
	Catterick ...	1029.6	-16	SSE	1	m	39	95	4	5	–	–	10	10	4000	1028.2	-10	SE'S	1	f	39	95	3	5	–	–	10	10	800	1	*	$cwcm_2m$	$cmof$	$ofcm_o$	cm_ow
	Tynemouth ...	1029.5	-10	SW	1	f	40	95	3	5	–	–	10	10	800	1028.3	-8	SW	2	m	43	85	4	5	–	–	10	10	800	1	1	$coff$	$offm$	omc	bbc
11	Inchkeith ...	1028.1	-16	S	1	z_o	41	95	6	5	3	–	7-8	9	800	1026.5	-10	SE	2	c	41	95	6	5	–	–	10	10	1500	0	1	cz_o	z_oc	c	cbc
	Leuchars ...	1028.6	-10	SW	1	c	38	95	6	5	–	–	10	10	2500	1026.7	-10	SE	3	c	40	85	6	5	–	–	10	10	2500	1	*	cm_2cm_o	cm_o	cm_obcm_o	bcm
12	Renfrew (Abbotsl.)	1027.8	-10	ESE	1	m	41	80	4	5	–	–	9+	9+	4000	1025.4	-12	SE'E	1	z_o	42	85	5	5	–	–	9+	9+	2500	1	*	cm_2m_2m	cm_2m_o	cm_o	cm_obcm_o
	Eskdalemuir ...	1028.3	-10	SSW	2	c	38	95	6	5	–	–	10	10	2500	1026.5	-10	S	3	c	38	85	6	5	–	–	10	10	1500	1	*	ccm_o	cm_o	cbc	bcb×
	Point of Ayre...	1027.6	-10	S'W	3	c	45	95	7	4	7	–	9+	10	2500	1025.4	-10	S	3	o	45	95	7	6	–	–	10	10	2500	1	2	o	o	occ	c
13A	Tiree	1023.7	-16	S	5	u	44	75	7	5	2	–	9+	10	2500	1021.1	-10	S'E	5	c	45	85	6	5	2	–	9+	10	2500	0	3	cug	$cgir_o$	cid	cid_o
13B	Stornoway ...	1023.6	-12	S	6	c/pr	45	75	6	5	–	–	10	10	4000	1020.5	-20	S	7	c	45	85	6	5	2	–	7-8	10	1500	1	3	$bccpr_o$	cpr_o	c	cid_o
15	Dalwhinnie ...	1027.2	-12	S	3	c	37	85	8	5	–	–	10	10	2500	1025.3	-12	S	4	c	37	75	6	5	–	–	10	10	1500	0	*	c	c	•	c
	Aberdeen ...	1027.5	-10	S'W	2	z_o	38	85	6	5	–	–	9	9	2500	1026.0	-8	S'W	2	z_o	41	75	6	5	–	–	9+	9+	2500	1	1	$bxcz_o$	cz_o	cz_oc	c
	Wick ...	1025.9	-10	SSW	3	bc	42	65	8	5	4	4	2-3	4-6	2500	1023.5	-12	SSW	3	bc	42	85	8	5	1	–	2-3	4-6	2500	1	2	cbc	bc	bcc	cm_o
16	Lerwick ...	1025.8	-6	SSW	3	c	46	85	8	5	3	–	4-6	7-8	1500	1023.7	-14	SW	4	c	45	75	8	5	2	–	7-8	10	1500	1	*	cpr	c	c	cm_o
17	Blacksod Point	1019.9	-20	SE	4	c	45	85	8	–	7	–	0	7-8	–	1017.2	-12	SE	4	c	45	95	8	–	7	–	0	9	–	1	3	c	c	c	pr_oc
18	Malin Head ...	1024.2	-16	S	1	c	42	95	7	8	–	–	3+	9+	1500	1020.5	-18	SE	3	c	44	95	7	5	–	–	9+	9+	1500	0	1	c	c	c$\|$p	c
	Aldergrove ...	1023.5	-16	SE'E	2	c/d	43	85	6	5	3	–	9	10	2500	1022.9	-12	SE'S	3	id_o	45	85	6	5	–	–	10	10	800	1	*	cid_ocm_o	cid_om_o	cid_om_o	cm_o
19	Birr Castle ...	1023.0	*	SSE	1	id_o	44	85	7	5	–	–	10	10	2500	1020.9	*	SSE	1	c	44	85	7	5	–	–	10	10	2500	1	*	oid_o	oid_oo	oc	c
20	Valentia Obsy. †	1019.6	-22	SE	5	c	47	85	8	5	–	–	10	10	1500	1017.3	-14	SE'S	5	c	49	85	8	5	–	–	10	10	1500	1	3	c	cid_oc	cpr_oc	$ccpr_oo$
	Roches Point	1022.6	-14	SSE	4	c	47	95	8	8	–	–	9+	9+	1500	1020.3	-10	SE	5	c	48	95	9	8	–	–	9+	9+	1500	1	3	cir_oc	cir_oc	cir_oc	cir_oc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo-stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

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

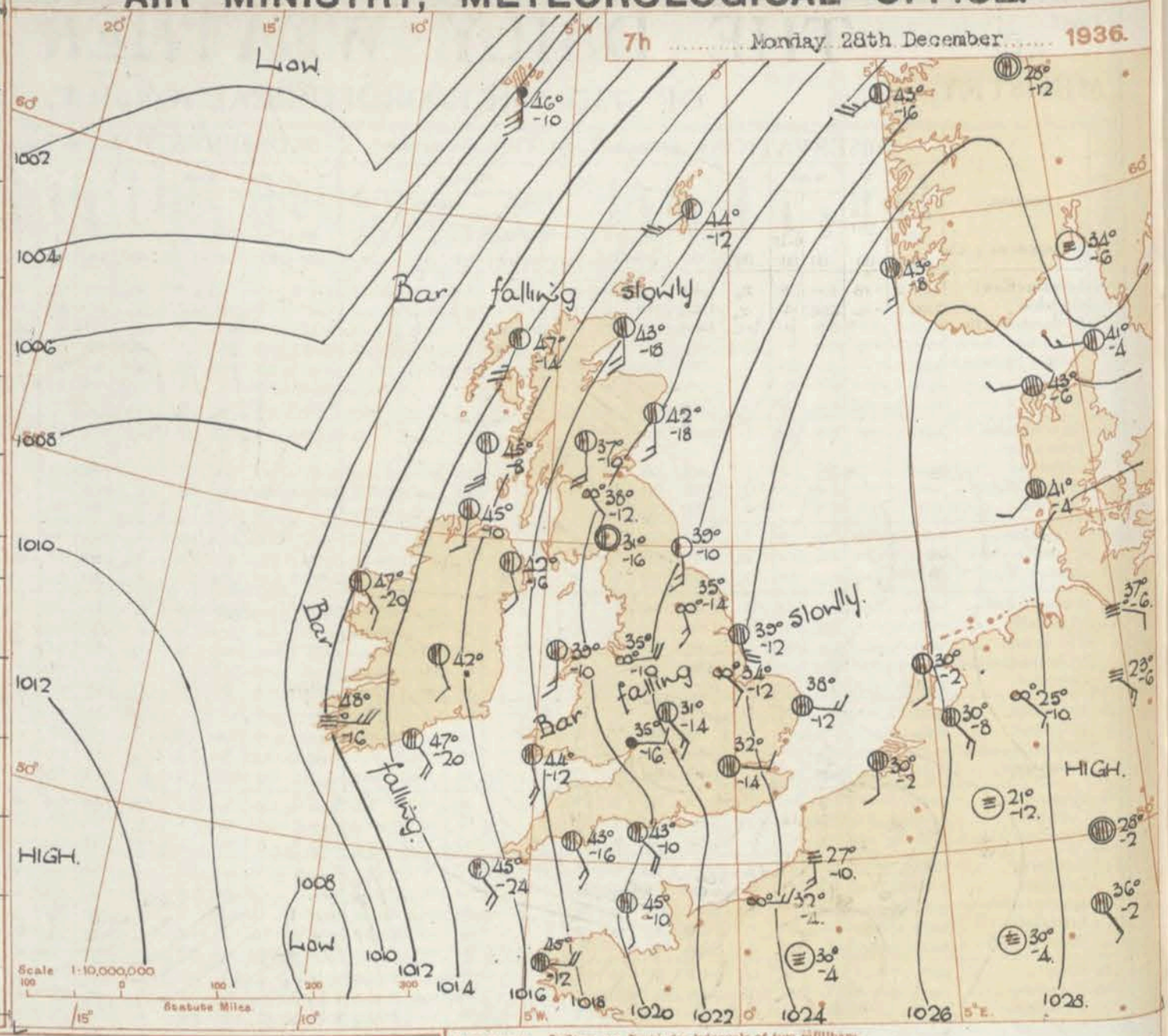
† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 27th December 1936.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F) Min. 9h. 26th to 9h. 27th	Temperature (F) Max. 9h.—17h. 27th	Rainfall (mm) Night. 17h. 26th to 9h. 27th	Rainfall (mm) Day. 9h.—17h. 27th	Sunshine (hrs) Sunrise to Sunset. 27th
1	Tunbridge W.	b	b	37	44	–	–	6·5
	Bournemouth	qc	c	40	45	–	–	0·5
	Ventnor ...	obc	bc	43	46	–	–	3·9
	Southsea ...	bbcb	bbcc	40	45	–	–	4·0
	Bognor Regis	bc	bcc	38	45	Trace	–	4·9
	Littlehampton	bc	bcc	38	45	–	–	5·8
	Worthing ...	b	b	38	44	Trace	–	6·2
	Brighton ...	ccdf	bbc	38	44	0·3	–	5·2
	Eastbourne†	b	bbcc	38	48	–	–	6·0
	Hastings† ...	bbcb	bcc	39	47	–	–	6·4
	Folkestone ...	cmbcb	bbcco	37	40	–	–	4·2
	Dover	cbcc	co	36	42	–	–	2·1
	Deal	ocbc	bcc	38	39	–	–	2·9
	Ramsgate ...	bcb	bbc	39	42	–	–	5·9
	Margate ...	bc	bc	41	48	–	–	5·7
2	Southend ...	cmb	bbco	41	45	Trace	–	3·4
	Maldon ...	c	bcc	40	44	–	–	0·8
	Clacton-on-Sea	cfmc	cbcc	41	44	Trace	–	0·9
	Dovercourt ...	fcce	fbc	41	46	Trace	–	0·0
	Lowestoft ...	ofcir	cdbcc	41	44	0·3	0·1	0·0
	Skegness ...	ofom	omcm	38	43	Trace	–	0·0
	Mablethorpe	efom	om	38	42	–	–	0·0
	Cleethorpes ...	o	o	37	43	Trace	–	0·0
3	Leamington S.							
4	Cheltenham†	mcbc	bccm	41	45	–	–	2·4
5	Bath	bcb	bcc	41	45	–	–	2·9
	Weymouth ...	c	c	43	47	–	–	0·9
	Jersey ...	o	o	35	40	–	–	0·0
	Torquay ...	oc	bc	42	47	–	–	0·6
	Penzance ...	c	c	44	47	–	–	0·9
	St. Ives ...	o	o	43	47	–	–	0·0
	Bude	bcc	cbcb	41	46	–	–	3·4
	Ilfracombe ...	cbc	ocbc	43	48	–	–	0·0
6	Aberystwyth	c	cbcc	42	46	–	–	1·2
7	Llandudno ...	c	cbc	41	45	–	–	0·0
	Colwyn Bay...	o	obcb	41	45	–	–	0·0
	Rhyl	omo	o	40	45	–	–	0·0
8	Wallasey ...	fm	mf	42	45	–	–	0·0
	Southport‖ ...							
	Blackpool ...	om	om	41	44	–	–	0·0
	Morecambe ...	c	mcc	40	45	–	–	0·0
9	Ilkley	o	o	37	43	–	–	0·0
	Harrogate ...	coff	off	39	40	–	–	0·0
10	Berwick-on-T.	c	com	29	41	–	–	0·0
11	Dunbar ..	bcx	bc	32	41	–	–	0·0
12	Troon... ...	coc	cococ	37	47	–	–	0·0
	Douglas ...	cbwf	cbcbq	41	46	–	–	0·0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 28th December, 1936.
1 S.E. England	Light or moderate southeast or east winds; cloudy or dull with occasional slight drizzle locally; average temperature or rather cold.
2 E. England ...	Light or moderate southeast or east winds; cloudy or dull; average temperature or rather cold.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	As 1.
6 South Wales ...	As 2 to 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.	
13 A. W. Scotld. / B.N.W.Scotland.	Moderate or fresh southerly winds; cloudy or dull with occasional rain or drizzle; average temperature.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkney and Shetland	
17 N. W. Ireland	Light or moderate south or southeast winds; cloudy or dull with occasional rain or drizzle in places; average temperature.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

Barometer. Isobars are drawn for intervals of two millibars.
Wind. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
Temperature is given in degrees F.
Weather Symbols:— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 5/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
Sea Disturbance. Rough. High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A trough of low pressure west of Iceland is moving slowly east. It will be cloudy or dull with average temperature in most districts but there will some local rain in the west and north.

FURTHER OUTLOOK.

Mainly fair in the east; unsettled in the west.

Forecasts issued at 1030 G.M.T. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

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

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

Morning of

MONDAY
28TH DECEMBER.

1936.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = 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 28th December, 1936.
No. 27430.

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

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	1025·7	-10	SE'E	2	z_o	33	95	6	5	-	-	10	10	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1026·7	-12	ESE	3	z_o	32	95	5	5	-	-	10	10	450
	Manston	142	1026·4	-14	SE	3	z_o	34	85	6	5	-	-	10	10	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1027·3	-14	E'S	5	c	40	85	7	5	-	-	7-8	7-8	2500
	Mildenhall	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1021·9	-16	ESE	4	c	44	85	7	4	-	-	10	10	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	1020·5	-6	ESE	4	0	40	85	7	5	-	-	10	10	2500
	Scilly (St. Mary's)	163	1020·0	-6	SSE	4	c	42	75	7	5	-	-	10	10	1500
	Guernsey	175	1022·6	-12	SSE	2	0	48	95	6	5	-	-	10	10	2500
6	Pembroke	142	1020·8	-8	SE'S	6	q	43	85	7	5	2	-	4-6	9+	2500
7	Holyhead	26	1021·5	-18	-	0	b	38	95	7	-	8	-	0	Tr	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1026·5	-12	SE'S	4	c	41	95	7	5	7	9	4-6	7-8	2500
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	100	1024·9	-16	SSW	3	c	42	85	6	5	-	-	9+	9+	1500
11	Inchkeith	190	1024·1	-8	SE	2	c	41	95	6	5	-	-	9+	9+	1500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1022·1	-18	S'E	6	c	44	95	7	8	-	-	9	9	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1016·1	-14	SSW	6	c	47	85	6	5	2	-	7-8	10	1500
15	Dalwhinnie	1178	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1020·6	-10	S	4	c	42	85	7	8	7	-	7-8	9	1500
16	Lerwick	156	1020·6	-6	SW	5	c	43	75	7	8	2	-	7-8	10	800
17	Blacksod Point	18	1014·9	-10	SE	4	c	47	85	8	-	7	-	0	7-8	-
18	Malin Head	52	1017·7	-12	S'E	4	c	45	95	7	8	-	-	10	10	1500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1014·6	-10	SE'S	5	c	47	95	7	5	9	-	4-6	7-8	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
1023·2	-12	E'S	2	z_o	38	85	6	5	-	-	10	10	1500	1	*
1023·3	-4	E'S	2	o	32	95	6	5	-	-	10	10	800	1	*
1022·9	-10	ESE	2	$d_o d_o$	33	85	8	5	-	-	10	10	450	1	*
1022·1	-14	E	3	$d_o d_o$	34	95	4	5	-	-	10	10	450	1	*
1021·9	-10	NE'E	4	c	37	95	7	5	7	-	7-8	10	2500	1	3
1024·6	-14	SE	2	z_o	31	95	6	5	-	-	10	10	450	1	*
1024·2	-12	SE	2	z_o	31	95	6	5	-	-	10	10	450	1	*
1024·1	-16	SSE	2	c	33	95	7	5	-	-	10	10	2500	1	*
1024·8	-12	ESE	3	o	38	85	7	6	-	-	10	10	2500	1	3
1023·8	-12	SE	3	z_o	36	85	6	5	-	-	10	10	1500	1	*
1024·0	-12	SE	2	z_o	34	95	5	5	2	-	9	10	1500	1	*
1022·8	-14	SE	3	c	31	85	7	5	-	-	10	10	2500	1	*
1023·6	-18	SE	1	c	31	95	6	5	-	-	10	10	1500	1	*
1021·4	-16	E	2	id_o	35	95	4	5	-	-	10	10	800	1	*
1019·8	-10	SE	4	c	43	95	7	4	-	-	10	10	2500	1	3
1018·4	-16	SE'S	3	c	43	85	7	5	-	-	10	10	2500	1	1
1017·1	-12	E'S	4	c	42	85	7	5	-	-	10	10	2500	1	3
1015·7	-24	SE'S	4	c	45	85	8	5	-	-	10	10	2500	1	2
1020·8	-10	SSE	1	o	40	85	7	6	-	-	10	10	2500	1	2
1017·3	-12	SSE	4	q	44	85	7	5	-	-	9+	9+	2500	0	3
1019·3	-10	S	3	c	39	85	7	7	2	18	7-8	9	2500	1	1
1021·2	-10	E'S	4	z_o	35	85	5	5	-	-	10	10	2500	1	*
1022·2	-12	SSE	2	z_o	34	85	6	5	7	-	4-6	10	2500	1	*
1023·1	-12	SSE	5	o	39	85	7	5	-	-	10	10	1500	0	4
1023·0	-14	S'E	3	z_o	35	95	6	5	-	-	10	10	2500	1	*
1021·9	-10	S	3	bc	39	85	7	9	-	-	4-6	4-6	1500	1	1
1020·5	-10	SE	2	bc	39	95	6	5	-	-	4-6	4-6	1500	0	1
1020·7	-18	-	0	bc	36	85	6	5	3	-	2-3	2-3	2500	1	*
1019·6	-12	SE'S	2	z_o	38	95	6	5	-	-	4-6	4-6	4000	1	*
1020·8	-16	-	0	bc	31	85	5	5	4	9	1	2-3	2500	4	*
1019·4	-8	S'E	5	c	41	95	7	8	-	-	7-8	7-8	1500	0	3
1015·5	-8	S	5	c	45	85	7	5	-	-	9+	9+	2500	0	*
1013·7	-14	SSW	5	c	47	85	6	5	2	-	7-8	10	1500	1	3
1019·5	-10	S	4	c	37	85	6	5	-	-	10	10	1500	0	*
1019·3	-18	S	3	c	42	75	7	5	-	-	7-8	7-8	2500	1	1
1017·1	-18	S	4	c	43	75	6	5	6	-	4-6	9+	800	1	2
1017·6	-12	SW	5	c	44	75	6	8	2	-	7-8	10	800	1	*
1012·0	-20	SE	3	c	47	85	8	-	7	-	0	7-8	-	1	3
1015·5	-10	S	2	c	45	95	7	8	-	-	9	9	2500	0	2
1017·5	-16	SSE	2	c	42	85	6	5	-	-	10	10	800	1	*
1014·4	*	SSE	2	c	42	85	8	5	7	-	4-6	9	2500	1	*
1012·2	-16	E	5	c/pr	48	85	8	8	7	-	7-8	10	1500	1	3
1014·9	-20	SE	4	c	47	85	8	8	-	-	9+	9+	1500	1	3

PAST 24 HOURS.

Temperature. Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine Hrs. (36)
45	32	30	-	-	2·4
46	32	29	-	-	4·8
45	33	29	-	Tr	4·1
42	33	30	-	Tr	2·5
45	37	37	-	-	2·5
40	31	30	-	-	5·7
42	31	30	-	-	5·2
44	33	33	-	-	3·8
44	37	36	-	-	0·0
45	33	28	Tr	Tr	0·0
42	32	28	-	-	0·0
43	30	30	-	-	0·0
45	31	29	-	-	*
46	35	22	-	Tr	1·1
48	41	*	-	-	*
46	40	(38)	(estimated)	-	2·5
46	39	*	-	-	*
46	41	*	-	-	0·0
41	38	38		-	0·0
47	41	*	-	-	0·0
46	35	25	-	-	0·0
43	35	34	-	-	0·0
45	33	29	-	-	0·0
43	39	*	-	-	0·0
39	35	31	-	-	0·0
43	38	33	-	-	0·0
42	37	33	-	-	0·0
42	40	*	-	-	0·0
39	31	23	-	-	0·0
46	40	*	-	-	0·0
45	44	43	Tr	Tr	0·0
46	44	*	Tr	Tr	0·0
38	37	36	-	-	0·0
41	40	39	Tr	-	0·4
42	41	*	-	-	*
47	42	*	0·2	-	1·9
47	44	*	0·2	0·5	*
44	41	*	-	-	0·0
45	41	40	Tr	Tr	0·0
44	42	38	Tr	-	0·0
49	47	44	Tr	0·1	0·0
49	46	*	0·5	0·1	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew	18	bm$_o$	cm$_o$	cm$_o$	45	32	30	-	-	2·4	*	*	6
Croydon	217	am bcm$_o$	bc z$_o$ m$_o$	com x	46	32	29	-	-	4·8	*	*	5
Greenwich (Royal Observatory)	149	cbm$_o$	bm z c	cm$_o$ x o	45	31	27	-	-	3·4	79	95	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·3	*	*	*
Westminster (St. James' Park)	27	*	*	*	46	32	31	Tr		0·8	76	89	*
Regents Pk (Botanic Gardens)‡	168	*	*	*	45	31	32	-	-	0·0	90	89	*
Camden Square	110	c/	c/ bc	*	46	32	32	-	-	*	*	90	*
Kensington	80	o	o x	*	45	32	28	-	-	0·2	At 18h. 84	89	*
Hampstead Observatory	450	cm	c	cm	43	30	28	-	-	0·0	*	87	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·6	11h 27th	0·3	0-4h 28th

Kew Observatory. Max.	Time.	Min.	Time.
0·5	17h 27th	0·1	6h 28th

FOREIGN OBSERVATIONS.

18h. G.M.T. 27th December

Stations	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1028·9	ESE	2	z_o	30
Brussels	1029·5	E	1	m	28
Berlin	1032·2	SSW	2	F	30
Zürich					
Rome	1030·1	NE	2	b	39

7h. G.M.T. 28th December

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1025·1	-	0	∫	30
1031·0	SW'S	1	m	30
1029·3	NW	1	∫	30
1029·7	NE	2	z_o	30

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
30	30	-	-
28		2	
34	28	-	Tr
*	*		-
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. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 29th December, 1936.

No. 27431.

OBSERVATIONS at 13h. G.M.T. 28th December

Dist.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. 0–12 Force	Weather.	°Temp.	%Humid.	Visibility 0–9	Cloud. Forms. Low	Forms. Med.	Forms. High	Amount. Low 0–10	Amount. Total 0–10	Height of Base (feet)	Sunshine hrs.
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(36)
1	London (Kew)	1020·6	-28	E	3	f/d	34	95	3	5	–	–	10	10	220	2·4
	Croydon ...	1021·0	-22	SE	2	do.	35	95	4	5	–	–	10	10	⟨150	4·8
	S. Farnborough	1020·3	-24	E	1	df	34	95	2	5	–	–	10	10	220	4·1
	Boscombe Down	1019·5	-18	ESE	3	df	35	95	3	5	1	–	10	10	450	2·5
	Calshot (Sthmtn.)	1019·5	-18	ESE	4	z.	42	95	6	5	7	–	9	10	1500	2·5
	Lympne ...	1022·4	-20	SSE	3	dF	33	95	1	–	–	–	10	10	⟨150	5·7
	Manston ...	1022·1	-20	SE	2	if	31	95	3	5	–	–	10	10	450	5·2
2	Shoeburyness ...	1022·1	-20	SE	2	0	33	95	6	5	–	–	10	10	1500	3·8
	Felixstowe ...															
	Gorleston ...	1022·4	-14	SSE	3	0	36	85	6	6	–	–	10	10	2500	0·0
	Mildenhall ...	1021·7	-18	S	3	z.	35	85	5	5	–	–	10	10	800	0·0
	Cranwell ...	1020·9	-22	SSE	3	z.	35	95	5	5	2	–	9	10	800	0·0
3	Birmingham ...	1020·0	-24	SE	2	id.	33	95	4	5	–	–	10	10	800	0·0
	Upper Heyford	1020·5	-26	SE	2	df	32	95	3	5	–	–	10	10	220	*
4	Ross-on-Wye	1018·4	-24	ESE	2	id.	36	85	4	5	–	–	10	10	450	1·1
5	Portland Bill ...	1017·9	-20	SSE	4	id.	44	95	7	4	–	–	10	10	2500	*
	Plymouth ...	1016·5	-18	SSE	3	c	46	85	8	5	–	–	10	10	2500	2·5
	The Lizard ...	1014·6	-20	SSE	4	rr	47	95	5	5	–	–	10	10	1500	*
	Scilly (St. Mary's)	1012·1	-30	SSE	5	c/d	48	95	6	5	–	–	10	10	1500	0·0
	Guernsey ...	1013·1	-14	SW	3	id.	43	95	6	5	–	–	10	10	1500	0·0
6	Pembroke ...	1014·7	-10	SSE	6	q	44	85	7	5	2	–	7-8	10	2500	0·0
7	Holyhead ...	1017·1	-16	SSE	4	c	40	85	7	5	–	–	10	10	1500	0·0
	Chester (Sealand)	1018·9	-14	ESE	3	z.	34	95	5	5	–	–	10	10	1500	0·0
8	Manchester ...	1020·0	-18	SE	3	z.	34	85	5	5	–	–	10	10	1500	0·0
10	Spurn Head ...	1020·5	-16	SE	4	0	36	95	6	5	–	–	10	10	1500	0·0
	Catterick ...	1019·7	-26	SE	4	z.	34	95	6	5	–	–	10	10	800	0·0
	Tynemouth ...	1019·5	-20	S	3	0	37	85	6	5	–	–	10	10	800	0·0
11	Inchkeith ...	1018·6	-16	SE	1	z.	39	95	5	5	–	–	4-6	9+	1500	0·0
	Leuchars ...	1018·2	-18	–	0	z.	35	95	6	–	–	2	0	9+	–	0·0
12	Renfrew (Abbotsl.)	1017·9	-14	SEE	1	m	38	85	4	5	–	6	4-6	9	4000	0·0
	Eskdalemuir ...	1018·0	-16	–	0	c	34	85	7	5	1	2	Tr	7-8	1500	0·0
	Point of Ayre ...	1017·6	-10	SE	5	0	39	95	7	8	–	–	10	10	1500	0·0
13A	Tiree	1013·6	-12	S	5	c	44	85	6	5	–	–	9+	9+	1500	0·0
13B	Stornoway ...	1012·3	-10	SSW	7	c	46	85	7	5	7	–	2-3	10	2500	0·0
15	Dalwhinnie ...	1016·7	-12	S	4	c	37	75	7	4	–	7	2-3	10	2500	0·0
	Aberdeen ...	1017·1	-16	S	4	z.	41	85	6	5	–	9	4-6	9+	5700	0·4
	Wick ...	1015·6	-16	SSW	4	c	43	85	6	5	7	8	4-6	9+	800	*
16	Lerwick ...	1015·8	-14	SW	5	c	44	85	6	5	2	–	7-8	10	800	1·9
17	Blacksod Point	1010·2	-18	SE	4	c	44	95	7	8	–	–	10	10	800	*
18	Malin Head ...	1013·3	-22	S	4	c	43	95	7	8	–	–	7-8	7-8	2500	0·0
	Aldergrove ...	1015·2	-18	SES	3	c	43	85	6	5	–	–	10	10	2500	0·0
19	Birr Castle ...	1013·0	*	S	2	c	45	85	8	5	1	–	7-8	9+	2500	0·0
20	Valentia Obsy. †	1009·8	-18	ESE	4	c/r	49	85	8	6	7	–	7-8	9+	1500	0·0
	Roches Point	1012·4	-16	SE	4	ir.	46	95	6	6	–	–	10	10	1500	*

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

Dist.	Stations.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. 0–12 Force	Weather.	°Temp.	%Humid.	Visibility 0–9	Cloud. Form. Low	Form. Med.	Form. High	Amount. Low 0–10	Amount. Total 0–10	Height of Base (feet)	State of Ground. 0–9	Sea. 0–9
		(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
1	London (Kew)	1018·8	-10	E	2	df	37	95	3	–	–	–	10	10	⟨150	1	*
	Croydon ...	1018·8	-6	ESE	1	df	37	95	3	5	–	–	10	10	220	1	*
	S. Farnborough	1018·3	-6	–	0	df	37	95	3	5	–	–	10	10	220	1	*
	Boscombe Down	1017·4	-10	SE	3	z.	39	95	5	5	–	–	10	10	1500	1	*
	Calshot (Sthmtn.)	1017·9	-6	SEE	3	c	44	95	7	5	–	–	10	10	1500	1	3
	Lympne ...	1019·3	-6	SSW	3	do.	38	95	5	5	–	–	10	10	220	1	§ 2
	Manston ...	1020·0	-12	SW	3	id.	38	95	5	5	–	–	10	10	450	1	*
2	Shoeburyness ...	1020·0	-10	SE	2	do.	38	95	4	5	–	–	10	10	1500	1	*
	Felixstowe ...																
	Gorleston ...	1020·2	-6	SSE	4	o	35	95	6	6	–	–	10	10	2500	1	3
	Mildenhall ...	1020·0	-10	ESE	1	df	32	95	2	5	–	–	10	10	800	1	*
	Cranwell ...	1019·2	-8	SEE	2	f	31	95	2	5	–	–	10	10	220	1	*
3	Birmingham ...	1017·3	-14	SSE	2	id.	34	95	4	5	–	–	10	10	800	1	*
	Upper Heyford	1018·2	-12	E	2	df	34	95	3	–	–	–	10	10	⟨150	1	*
4	Ross-on-Wye	1015·9	-12	W	2	m	38	95	4	5	–	–	10	10	450	1	*
5	Portland Bill ...	1015·6	-12	SSE	4	dq	46	95	6	5	–	–	10	10	1500	1	3
	Plymouth ...	1013·2	-18	SE	3	do.	48	95	6	–	2	–	10	10	450	1	2
	The Lizard ...	1009·3	-18	SE	6	ro.	51	95	5	5	–	–	10	10	1500	1	4
	Scilly (St. Mary's)	1006·7	-24	SE	4	do.	51	95	4	5	–	–	10	10	1500	1	2
	Guernsey ...	1017·1	-4	SE	4	c/d	46	95	6	5	–	–	10	10	1500	1	3
6	Pembroke ...	1011·7	-10	SE	6	q	45	95	6	8	2	–	7-8	10	2500	1	4
7	Holyhead ...	1013·4	-14	SEE	4	c/q	41	85	6	5	–	–	10	10	1500	1	2
	Chester (Sealand)	1016·2	-18	ESE	2	df	36	95	3	5	–	–	10	10	800	1	*
8	Manchester ...	1016·8	-18	ESE	2	m	36	85	4	5	–	–	10	10	1500	1	*
10	Spurn Head ...	1018·9	-10	SW	4	z.	34	95	5	5	–	–	10	10	800	0	3
	Catterick ...	1017·3	-10	SW	2	m	34	95	4	5	–	–	10	10	800	1	*
	Tynemouth ...	1016·3	-12	S	3	0	34	95	6	5	–	–	10	10	800	0	1
11	Inchkeith ...	1015·8	-6	SW	1	bc	37	95	7	5	4	–	4-6	4-6	2500	0	1
	Leuchars ...	1015·5	-14	–	0	f	31	95	3	–	7	2	0	7-8	–	1	*
12	Renfrew (Abbotsl.)	1014·8	-14	ESE	2	m	35	85	4	5	–	–	7-8	7-8	2500	1	*
	Eskdalemuir ...	1015·4	-8	SSE	2	c	33	95	6	5	–	–	10	10	800	4	*
	Point of Ayre ...	1014·5	-16	SE	3	c	40	85	7	8	–	–	10	10	1500	0	2
13A	Tiree	1010·7	-16	SE	6	c	44	85	6	5	2	–	9+	10	1500	0	3
13B	Stornoway ...	1010·5	-16	SSW	6	c	44	85	6	5	–	–	10	10	2500	1	3
15	Dalwhinnie ...	1014·3	-12	S	3	c	34	85	7	4	–	7	2-3	10	2500	0	*
	Aberdeen ...	1014·3	-10	S	3	z.	40	85	6	5	–	–	10	10	1500	1	2
	Wick ...	1013·0	-12	S	3	c	43	85	6	5	1	–	4-6	9	800	1	2
16	Lerwick ...	1013·7	-16	SW	5	c	44	85	6	5	2	–	7-8	10	800	1	*
17	Blacksod Point	1007·6	-10	SSE	3	c	44	95	7	9	–	–	7-8	7-8	800	1	3
18	Malin Head ...	1010·0	-30	S	3	c	44	95	7	5	–	–	9+	9+	2500	0	2
	Aldergrove ...	1012·1	-24	SEE	3	do.	42	95	6	5	–	–	10	10	1500	1	*
19	Birr Castle ...	1010·1	*	S	1	r	43	95	7	6	2	–	7-8	10	1500	1	*
20	Valentia Obsy. †	1007·4	-10	SES	4	do.	50	95	8	5	2	–	9+	10	1500	1	3
	Roches Point	1008·5	-14	SE	4	dd	49	95	6	5	–	–	10	10	450	1	4

PAST 24 HOURS.

Dist.	Stations.	Weather. 7h.–13h. 28th	13h.–18h. 28th	18h.–1h. 28th–29th	1h.–7h. 29th
		(37)	(38)	(39)	(40)
1	London (Kew)	cm.do.of	od.do.of	of.d.om	cr.cm.
	Croydon ...	om.fd.d.	od.d.mf	od.d.fm	od.dm
	S. Farnborough	md.do.fo	do.df.d.	fom.r.	r.r.dm.
	Boscombe Down	od.d.mddf	od.f.e	cd.d.rr	crr.d
	Calshot (Sthmtn.)	cid.m.	cm.c	r.r.rrid.m.	cidrrid.
	Lympne ...	om.FF	FFd.do.m	m.d.d.m.	ffddF
	Manston ...	cm.mf	FFdo.m	d.d.oid.	od.d.m.
2	Shoeburyness ...	cm.o	mdodoo	om.d.d.	cm.c
	Felixstowe ...				
	Gorleston ...	o.q.z.o.	o.z.o.z.o.	od.o	od.o.r.
	Mildenhall ...	coz.m.	off d.	of d.om	om.r.
	Cranwell ...	com.	cm.mfe	o.fe	ofed.d.
3	Birmingham ...	com	oidom	oid.	arc
	Upper Heyford	cm.omdf	odf.d.d.	fd.d.cm.	cqrrr.
4	Ross-on-Wye	omid.	domom	om.	rqrq
5	Portland Bill ...	cido	dodoz.	rrz.	rrc
	Plymouth ...	c	oddmd.	o.d.d.rm	om.cpr.
	The Lizard ...	cpro	rdrr	mrrmir	ire.
	Scilly (St. Mary's)	coid.	oddm.	oid.ifc	cbc
	Guernsey ...	oid.	oddo	oirdc	cprc
6	Pembroke ...	cqc	cqm.pr.	cqm.ir.	cqirm.
7	Holyhead ...	cbcc	m.oldoc	m.id.c	m.id.o
	Chester (Sealand)	cm.	cm.cdf	cdfcm	cmr
8	Manchester ...	cmm.	cm.rm	cmcm.	cmrd.d.
10	Spurn Head ...	o	oz	z.m.o	om pf
	Catterick ...	wom.	m.o.m	om	om.d.
	Tynemouth ...	bco	o	o	o
11	Inchkeith ...	bcczz.	z.o.cbc	b.e.z.c	c
	Leuchars ...	bcxcm.	cm.cf	cff	cm.
12	Renfrew (Abbotsl.)	bcm.cm	cm.z.o.z	cm	cm.m
	Eskdalemuir ...	bbccx	cxm.	coxm	x.o.d.d.
	Point of Ayre ...	co	o	c	4.d.f
13A	Tiree	c	c	c	orc
13B	Stornoway ...	c	c	c	c
15	Dalwhinnie ...	c	c	.	c
	Aberdeen ...	cbccz.	coz.	oz.	oz.o
	Wick ...	cm.	cm.	cm.	cm.
16	Lerwick ...	cm.	cm.	cm.	cm.
17	Blacksod Point	irc	Rr	IR	prc
18	Malin Head ...	c	c	c	cpr.
	Aldergrove ...	cm.	cm.j.d.	cid.c.i.	cr.r.cm.
19	Birr Castle ...	c	cr.	cr.c	coir
20	Valentia Obsy. †	r.r.o.i.r.c	evid.	id.ir.	ir.prb
	Roches Point	coir.	r.r.o.dd	dd	oir.c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo- stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

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

§ Sea disturbance reported from Dungeness.

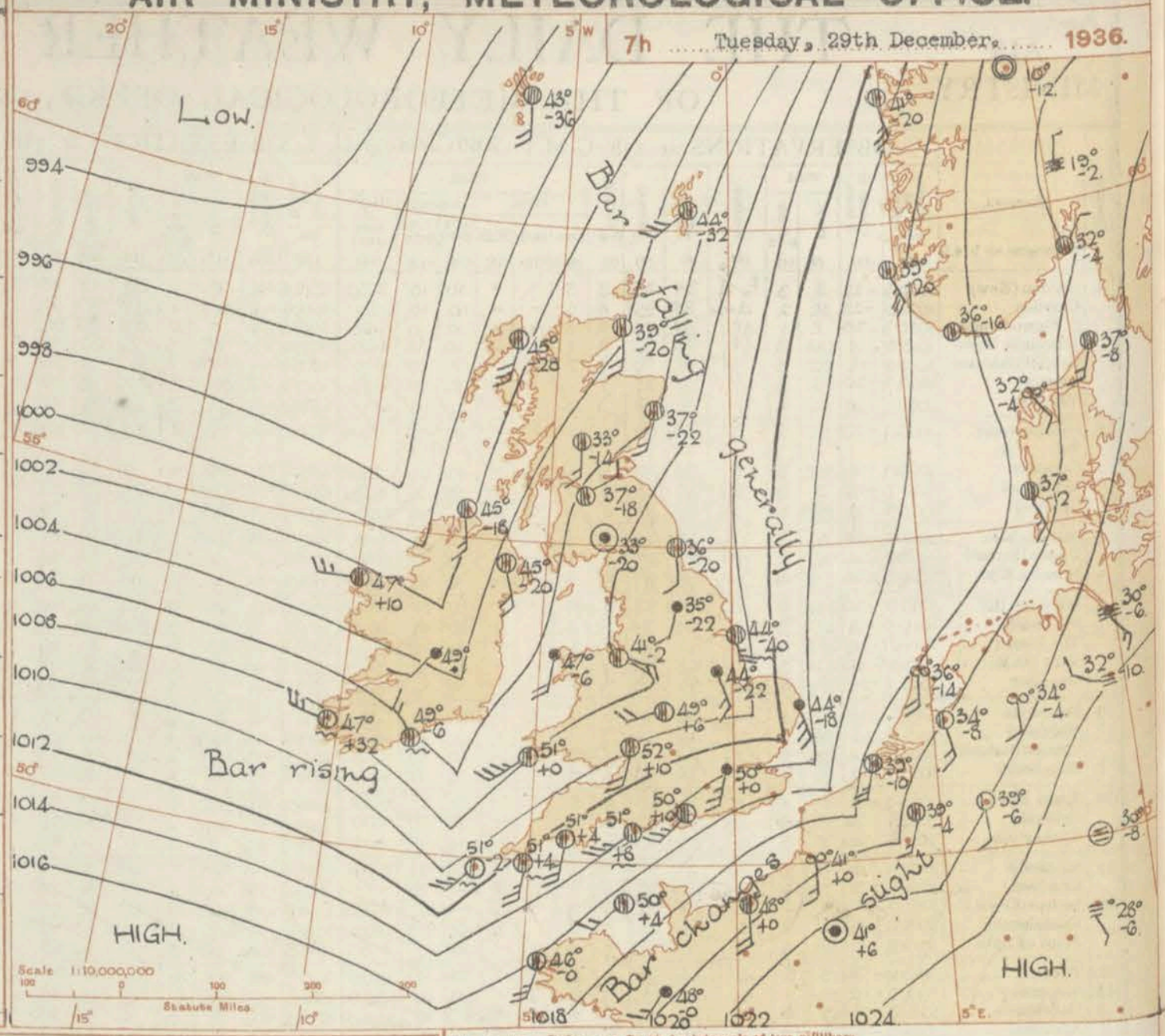
REPORTS from HEALTH RESORTS for ... 28th December ... 1936.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F) Min. 9h. 27th to 9h. 28th	Temperature (F) Max. 9h.—17h. 28th	Rainfall (mm) Night. 17h 27th to 9h. 28th	Rainfall (mm) Day. 9h.—17h. 28th	Sunshine (hrs) Sunrise to Sunset. 28th
1	Tunbridge W.	of	ofe	30	39	–	Trace	0·0
	Bournemouth	o	o	38	44	–	–	0·0
	Ventnor ...	omo	ou	38	44	–	–	0·0
	Southsea ...	om	o	36	43	–	–	0·0
	Bognor Regis	co	fec	36	43	–	Trace	0·0
	Littlehampton	o	o	35	43	–	–	0·0
	Worthing ...	o	o	35	44	–	–	0·0
	Brighton ...	c	c	34	43	–	–	0·0
	Eastbourne†	ofeo	o	35	42	Trace	Trace	0·0
	Hastings† ...	ofeom	o	33	40	–	Trace	0·0
	Folkestone ...	como	omdo	30	40	–	Trace	0·0
	Dover	mof	fo	34	40	–	–	0·0
	Deal	o	o	32	36	–	–	0·0
	Ramsgate ...	cmofe	ofe	31	40	–	Trace	0·0
	Margate ...	c	cm	31	37	–	–	0·0
2	Southend ...	o	omd	31	37	–	Trace	0·0
	Maldon ...	o	od	32	34	–	Trace	0·0
	Clacton-on-Sea	oc	codm	34	35	–	Trace	0·0
	Dovercourt ...	bccoc	ocfoc	36	36	–	Trace	0·2
	Lowestoft ...	o	o	35	36	–	–	0·0
	Skegness ...	o	o	35	37	–	–	0·0
	Mablethorpe	mo og	og	35	37	–	–	0·0
	Cleethorpes ...	o	o	35	36	–	–	0·0
3	Leamington S.	o	od	31	35	–	Trace	0·0
4	Cheltenham†	om·o	omo	32	36	–	Trace	0·0
5	Bath	do do	doc	36	40	Trace	0·5	0·0
	Weymouth ...	c	c	40	45	–	–	0·0
	Jersey ...	o	od	35	44	–	Trace	0·0
	Torquay ...	o	ordm o	41	47	–	0·4	0·0
	Penzance ...	cd o	dodd	41	51	–	1	0·0
	St. Ives ...	o	d	40	50	–	2	0·0
	Bude	o	c	45	46	–	–	0·0
	Ilfracombe ...	o	od	39	46	–	Trace	0·0
6	Aberystwyth	zo	oc	31	42	–	–	0·0
7	Llandudno ...	xbcc	c	33	40	–	–	1·0
	Colwyn Bay ...	xbcc	bcco	29	36	–	–	1·4
	Rhyl	xbcc	cm o	31	38	–	–	0·7
8	Wallasey ...	o	od o	33	36	–	Trace	0·0
	Southport‖ ...	oz	oz	34	35	–	–	0·0
	Blackpool ...	o	o	34	35	–	–	0·0
	Morecambe ...	c	c	31	37	–	–	0·0
9	Ilkley	o	o	33	35	–	–	0·0
	Harrogate ...	om	om	33	33	–	–	0·0
10	Berwick-on-T.	bcc	cm o	32	37	–	–	0·0
11	Dunbar ...	bcx	bc	34	39	–	–	0·3
12	Troon	xbcc	cbcc	36	42	–	–	0·0
	Douglas ...	cbq	cbqf	40	41	–	–	0·0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Tuesday, 29th December. ..... 1936.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 29th December, 1936.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ...	Moderate or fresh southerly winds, veering west later; mainly cloudy with rain at times, becoming fairer later; rather mild at first.
10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Moderate or fresh southerly winds, veering west later; mainly cloudy with rain at times, becoming fairer later; rather mild at first but frost locally at night.
13 A. W. Scotld. B.N.W. Scotland. 14 Mid Scotland	Fresh southerly winds, strong in places, veering west later, cloudy or dull with rain at first, becoming fairer later; average temperature, frost locally at night.
15 N. E. Scotland 16 Orkney and Shetland	As 10 to 12.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate or fresh westerly winds, backing south later, mainly fair apart from local showers; average temperature.

Barometer. Isobars are drawn for intervals of two millibars.
Wind. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
Temperature is given in degrees F.
Weather Symbols:— Clear sky. Sky less than 1/8 clouded. Sky 1/8 to 3/8 clouded. Sky 1/2 to 5/8 clouded. Sky 6/8 to 7/8 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
Sea Disturbance. Rough. High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A trough of low pressure over Ireland is moving east. There will be rain in many districts but fairer conditions will spread from the West. It will be rather mild at first in England.

FURTHER OUTLOOK.

Rain spreading from the west after a brief fair period.

Forecasts issued at 1030 G.M.T. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

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

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

Morning of

TUESDAY,
29TH DECEMBER.

1936.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = Calm.

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 29th December, 1936.
No. 27431.

OBSERVATIONS at 1 hr. G.M.T. 29th December

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humid. %	Visibility. 0-9	Cloud. Form. Low	Cloud. Form. Med.	Cloud. Form. High	Cloud. Amount. Low 0-10	Cloud. Amount. Total 0-10	Height of Base. (feet)
		(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1016·2	−18	SSE	4	o/d	44	95	6	5	–	–	10	10	460
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1018·2	−16	S	3	f+	43	95	3	–	–	–	10	10	<150
	Manston	142	1017·7	−14	SSW	4	o/d	42	96	5	5	–	–	10	10	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1018·0	−10	SSE	3	o	39	96	6	6	–	–	10	10	2500
	Mildenhall	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1011·9	−10	SW	5	r r	50	95	6	5	–	–	10	10	1500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	1011·9	+24	SW	6	r o	51	95	6	5	–	–	9+	9+	1500
	Scilly (St. Mary's)	163	1010·7	+20	SW	5	c	51	95	7	5	5	–	4-6	9+	1600
	Guernsey	175	1015·8	−4	SW	5	c	51	95	7	8	–	–	9+	9+	1500
6	Pembroke	142	1006·0	−20	SE	3	r o	48	95	6	5	–	–	9+	9+	2500
7	Holyhead	26	1008·0	−30	E	3	c	43	95	7	5	–	–	10	10	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1014·5	−24	S'E	5	o	37	95	6	5	–	–	10	10	1500
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	100	1012·9	−16	S	3	o	35	95	6	5	–	–	10	10	800
11	Inchkeith	190	1012·0	−10	S	2	c	36	95	7	5	–	–	10	10	1500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1010·4	−18	S'E	4	c	41	95	7	8	–	–	10	10	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1006·4	−16	S	5	c	43	75	6	5	7	–	7-8	9+	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1007·8	−24	S	5	c	40	85	6	5	7	–	4-6	7-8	800
16	Lerwick	156	1010·6	−20	SW	5	c	44	85	6	5	2	–	7-8	10	800
17	Blacksod Point	18	1002·9	−28	S	4	c	46	95	7	8	–	–	10	10	800
18	Malin Head	52	1005·1	−18	S	3	c	44	95	7	4	–	–	9+	9+	2500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1004·5	−14	SSE	4	c	49	95	8	5	–	–	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 29th December

District	Stations	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humid. %	Visibility. 0-9	Cloud. Form. Low	Cloud. Form. Med.	Cloud. Form. High	Cloud. Amount. Low 0-10	Cloud. Amount. Total 0-10	Height of Base (feet)	State of Ground. 0-9	Sea. 0-9
		(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
1	London (Kew)	1014·6	+8	SSW	4	z o	49	95	6	5	–	–	9+	9+	1500	1	*
	Croydon	1014·0	0	SSW	5	d r	50	95	6	6	–	–	9+	9+	800	1	*
	S. Farnborough	1014·1	+4	SW'S	3	d o d o	50	95	6	5	–	–	10	10	800	1	*
	Boscombe Down	1013·6	+12	SW'S	3	d o d o	50	95	6	6	2	–	10	10	800	1	*
	Calshot (Sthmtn.)	1014·8	+10	SS'W	5	c/d o	60	95	6	5	2	–	9	10	800	1	3
	Lympne	1016·7	−6	SSW	4	m/f	47	95	4	5	–	–	10	10	220	1	3
	Manston	1016·0	−6	SSW	4	o/d	48	95	7	5	–	–	10	10	800	1	*
2	Shoeburyness	1015·1	−10	SSW	3	c	47	95	7	5	–	–	10	10	1500	1	*
	Felixstowe																
	Gorleston	1013·8	−18	SSE	5	r o r o	44	95	6	6	–	–	10	10	1500	1	3
	Mildenhall	1012·1	−20	S'W	5	r r	46	95	5	–	2	–	10	10	800	1	*
	Cranwell	1009·3	−22	SSE	3	d d o	44	95	5	5	2	–	9	10	1500	1	*
3	Birmingham	1009·8	+6	WSW	4	c/r	49	95	8	6	3	–	7-8	9	800	1	*
	Upper Heyford	1011·3	+8	SW	4	d d o	49	95	5	5	2	–	9	10	460	1	*
4	Ross-on-Wye	1010·2	+10	SSW	4	q	52	85	8	8	3	–	9	9+	1500	1	*
5	Portland Bill	1013·6	+8	SW	5	c	51	95	7	5	–	–	10	10	1500	1	4
	Plymouth	1012·9	+4	SSW	5	c	51	95	7	5	–	–	10	10	1500	1	3
	The Lizard	1012·5	+4	S'W	5	c	51	95	8	8	–	–	9+	9+	2500	1	4
	Scilly (St. Mary's)	1010·9	−2	SW	5	b c	51	95	7	2	–	–	2-3	2-3	2500	1	4
	Guernsey	1016·9	+4	SW	3	c	50	95	7	8	–	–	9	9	1500	1	3
6	Pembroke	1008·0	0	SW	7	q	51	95	6	5	–	–	10	10	2500	1	4
7	Holyhead	1006·3	−6	S'W	4	i d o	47	95	6	5	–	–	10	10	450	1	2
	Chester (Sealand)	1008·0	−2	E'S	3	m/r	41	95	4	–	2	–	10	10	2500	1	*
8	Manchester	1008·1	−20	–	0	d d o	41	95	4	6	–	–	10	10	800	1	*
10	Spurn Head	1008·4	−40	SSE	5	o	44	95	6	5	–	–	10	10	1500	1	4
	Catterick	1008·8	−22	SSW	2	i d o	35	95	4	5	–	–	10	10	800	1	*
	Tynemouth	1008·7	−20	S	2	o	36	95	6	5	–	–	10	10	800	1	2
11	Inchkeith	1007·8	−20	S	2	c	36	95	7	5	2	–	4-6	9+	1500	0	1
	Leuchars	1007·4	−24	SSW	2	c	35	85	6	5	2	–	4-6	10	2500	1	*
12	Renfrew (Abbots L.)	1006·6	−18	NE'E	2	o/r	37	95	6	5	–	–	10	10	1500	1	*
	Eskdalemuir	1007·6	−20	–	0	d d o	33	85	4	5	–	–	10	10	220	1	*
	Point of Ayre	1006·3	−14	S'E	4	f-	43	95	3	–	–	–	10	10	<150	1	2
13A	Tiree	1001·3	−18	S'E	6	c	45	95	7	5	–	–	9+	9+	1500	1	*
13B	Stornoway	1000·2	−28	SSW	6	c	46	95	6	5	2	–	4-6	10	1500	1	3
15	Dalwhinnie		−14	S	3	c	33	85	6	4	6	–	4-6	10	1500	0	*
	Aberdeen	1005·9	−22	S'W	3	o	37	75	7	5	–	–	10	10	1600	1	3
	Wick	1003·7	−20	S	4	c	39	75	6	5	1	–	4-6	7-8	800	1	3
16	Lerwick	1004·9	−32	SW	6	c	44	85	6	5	2	–	7-8	10	800	1	*
17	Blacksod Point	1002·1	+10	W	5	c	47	85	7	9	–	–	9	9	800	1	3
18	Malin Head	1001·6	−18	S'E	3	c/r	45	95	7	6	–	–	9+	9+	1500	1	3
	Aldergrove	1004·1	−20	SSE	4	c	45	95	6	5	–	–	10	10	800	1	*
19	Birr Castle	1003·9	*	SW	2	i r	49	95	7	6	–	–	10	10	1500	1	*
20	Valentia Obsy. †	1008·5	+32	WNW	5	b c	47	75	8	8	–	–	4-6	4-6	1500	1	4
	Roches Point	1006·2	−6	NW	3	c/r	49	95	8	6	1	–	4-6	7-8	1500	1	4

PAST 24 HOURS.

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

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
Kew	18	c m d o f	o d d o f	o f d c c m	37	37	37	0·4	0·4	0·0	*	*	7
Croydon	217	o m f d d	o d d m	o d d f m	37	37	37	0·2	1	0·0	*	*	6
Greenwich (Royal Observatory)	149	o m	d d o f	o d d c	39	39	35	0·5	0·3	0·0	99	89	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Park)	27	*	*	*				0·6		0·0	98	89	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	52	32	32	0·5	0·4		95	56	*
Camden Square	110	c f	c f c r	*	51	39	39	0·5	0·3	*	*	30	*
Kensington	80	o d o	o f d	*	38	37	36	0·5	0·5	0·0	At 18h. 92	91	*
Hampstead Observatory	439	o m	o f d	o f r	39	37	35	0·4	1	0·0	*	94	*

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. December 28th. Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F.	7h. G.M.T. December 29th. Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F.
Paris	1023·3	S E	1	f	32	1022·3	–	0	d d	43
Brussels	1022·6	S S E	3	f	34	1019·9	S S W	3	o/p r	39
Berlin	1028·1	–	0	f	27	1025·6	S S E	2	m	28
Zurich	1029·5	S	1	f	30	1029·5	W'N	1	m	30
Rome						1028·7	N E'N	3	c	34

Past 24 Hours.

Stations	Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris	34	32	–	–
Brussels	36	34	–	0·5
Berlin	37	23	–	–
Zurich	32	28	–	–
Rome	*	*	–	–

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	18-21h 28th	<0·3	1-4h 29th

Kew Observatory. Max.	Time.	Min.	Time.
1·3	19h 28th	<0·1	0·7h 29th

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 30th December, 1936.
No. 27432.

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 29th December. 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)	1016·1	0	SW	3	c	52	85	7	5	–	–	10	10	1500
	Croydon ...	1016·4	+2	SSW	4	c/d	51	85	6	5	3	–	9	9+	1500
	S. Farnborough	1016·1	+2	SSW	3	c/d	51	85	7	5	–	–	9+	9+	1500
	Boscombe Down	1015·5	0	SSW	4	c/r	51	85	7	5	2	–	7-8	9+	1500
	Calshot (Sthmtn.)	1017·0	+4	SW	4	id.	49	95	7	5	–	–	9	9	1500
	Lympne ...	1018·7	+4	SW	4	o/f	49	95	5	6	–	–	10	10	220
	Manston ...	1017·8	+8	SW	4	c	51	85	8	5	–	–	7-8	7-8	800
2	Shoeburyness ...	1016·9	+6	SWS	4	bc	51	85	8	2	7	2	4-6	4-6	1500
	Felixstowe ...														
	Gorleston ...	1015·0	+6	SW	4	c	52	85	6	8	–	–	9	9	2500
	Mildenhall ...	1014·7	+6	SWS	4	c	53	85	7	5	–	–	9	9	2500
	Cranwell ...	1012·1	+10	SWS	4	c	52	85	7	5	–	–	10	10	2500
3	Birmingham ...	1012·6	+6	SSW	3	bc	51	85	7	5	3	1	4-6	4-6	800
	Upper Heyford	1014·8	+6	SW	4	c	51	85	8	8	–	–	7-8	7-8	1500
4	Ross-on-Wye	1012·9	0	SW	3	c	54	75	7	8	–	–	7-8	7-8	2500
5	Portland Bill ...	1015·2	+8	SSW	4	c	51	95	7	4	–	–	10	10	2500
	Plymouth ...	1013·5	−6	S	5	c	51	95	7	5	2	–	9	10	1500
	The Lizard ...	1011·4	−10	SSE	5	pr.	51	95	7	8	–	–	10	10	1500
	Scilly (St. Mary's)	1010·9	−4	NNW	6	r	46	95	7	8	6	–	4-6	7-8	1500
	Guernsey ...	1016·3	−12	SSW	4	c	51	85	8	8	1	–	4-6	7-8	2500
6	Pembroke ...	1009·9	+8	NNW	4	ir	48	85	6	5	–	–	10	10	2500
7	Holyhead ...	1008·7	+12	WN	4	c	48	85	8	5	–	–	9+	9+	1500
	Chester (Sealand)	1008·9	+2	S	3	c	55	75	7	8	–	–	9+	9+	2500
8	Manchester ...	1009·9	+2	S	3	z.	52	85	6	5	–	–	9+	9+	2500
10	Spurn Head ...	1010·8	+14	SW	4	c	51	85	7	5	2	–	4-6	7-8	2500
	Catterick ...	1008·6	0	SE	3	z.	46	95	5	5	–	1	9	9+	1500
	Tynemouth ...	1007·7	−4	SW	2	m	43	85	4	2	–	1	4-6	4-6	1500
11	Inchkeith ...	1006·2	−14	ENE	2	z.	39	95	6	5	–	–	10	10	1500
	Leuchars ...	1005·6	−10	–	0	o/d	37	95	5	5	–	–	10	10	1500
12	Rentrew (Abbots L.)	1004·9	−12	NNE	2	d f	39	95	3	5	–	–	10	10	450
	Eskdalemuir ...	1006·2	−8	–	0	dd	37	95	4	5	–	–	10	10	1150
	Point of Ayre ...	1006·9	0	WS	4	c	49	95	8	8	–	–	9	9	1500
13A	Tiree	1001·5	+14	WS	6	bc	47	85	8	8	–	–	4-6	4-6	1500
13B	Stornoway ...	9966	−12	SSW	7	pr.	47	95	6	5	7	–	4-6	9	1500
15	Dalwhinnie ...	1003·7	−20	S	4	ir.	36	95	6	4	2	–	4-6	10	1500
	Aberdeen ...	1004·3	−18	SSW	3	z.	39	85	6	5	3	–	4-6	7-8	1500
	Wick ...	1000·4	−18	S	5	c	42	85	7	5	9	–	4-6	7-8	1500
16	Lerwick ...	1000·9	−22	SSW	7	c	42	85	6	8	2	–	9	10	800
17	Blacksod Point	1009·3	+28	WN	5	c	45	85	8	9	–	–	7-8	7-8	1500
18	Malin Head ...	1004·8	+30	SW	5	c/pr	48?	95	7	5	–	–	7-8	7-8	2500
	Aldergrove ...	1007·0	+32	WSW	3	c	45	85	8	8	–	8	9	9+	2500
19	Birr Castle ...	1010·3	*	W	2	bc	46	75	8	5	–	5	2-3	4-6	2500
20	Valentia Obsy. †	1013·5	+20	WN	5	pr.	46	75	8	9	–	1	7-8	7-8	1500
	Roches Point	1012·6	+20	NW	3	c	46	85	8	2	7	5	1	7-8	1500

District	Stations.	OBSERVATIONS at 18h. G.M.T. 29th December. Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1017·5	+4	SW	2	z.	50	95	6	5	–	–	9+	9+	2500	1	*
	Croydon ...	1017·5	+4	S	4	ir.	49	95	7	5	–	–	4-6	4-6	1500	1	*
	S. Farnborough	1017·0	+4	S	4	c/r	49	95	6	5	–	–	9	9	1500	1	*
	Boscombe Down	1015·8	0	SE	4	pr.	49	95	7	5	2	–	7-8	10	800	1	*
	Calshot (Sthmtn.)	1016·4	−2	SSE	5	id.	50	85	7	5	–	–	9	9	1500	1	3
	Lympne ...	1020·2	+8	SW	3	c	47	95	7	5	3	–	4-6	7-8	800	1	2
	Manston ...	1019·6	+8	SSW	4	c	49	95	7	5	–	–	10	10	800	1	*
2	Shoeburyness ...	1018·6	+8	SW	3	bc	47	95	7	4	–	–	4-6	4-6	2500	1	*
	Felixstowe ...																
	Gorleston ...	1017·2	+10	SSE	3	c	50	85	6	5	–	–	10	10	2500	1	2
	Mildenhall ...	1016·9	+14	SW	4	bc	50	85	7	5	–	–	4-6	4-6	2500	1	*
	Cranwell ...	1014·6	+10	S	4	b	46	85	7	5	–	–	1	1	4000	1	*
3	Birmingham ...	1014·7	+12	S	3	c/pr	48	95	6	6	–	–	9+	9+	800	1	*
	Upper Heyford	1016·0	+6	SE	4	c/r	48	95	7	5	–	–	9+	9+	1500	1	*
4	Ross-on-Wye	1013·4	+4	S	3	ir.	50	95	6	6	–	–	10	10	1500	1	*
5	Portland Bill ...	1014·5	−4	S	4	c	51	95	7	4	–	–	7-8	7-8	2500	1	4
	Plymouth ...	1013·8	+14	WNW	3	c/pr	49	95	7	5	3	–	7-8	7-8	1500	1	3
	The Lizard ...	1016·8	+40	W'N	5	c	46	75	8	8	6	–	7-8	9	2500	1	3
	Scilly (St. Mary's)	1017·5	+40	NWN	5	c	46	75	8	8	6	3	4-6	7-8	1500	1	4
	Guernsey ...	1016·5	0	SSW	5	c	51	95	7	8	–	–	7-8	7-8	2500	1	4
6	Pembroke ...	1013·8	+20	NW	4	c/r	45	85	7	5	2	–	4-6	9+	2500	1	2
7	Holyhead ...	1013·7	+22	NWN	4	c/r	47	75	7	5	2	–	4-6	9	2500	1	2
	Chester (Sealand)	1013·5	+20	W	2	r.r.	46	95	6	5	–	–	10	10	2500	1	*
8	Manchester ...	1013·5	+24	WSW	2	r.r.	46	95	5	–	2	–	10	10	1500	1	*
10	Spurn Head ...	1013·8	+20	SE	3	bc	47	95	7	–	1	–	0	2-3	–	0	2
	Catterick ...	1012·3	+24	SSW	2	bc	44	85	7	5	–	–	4-6	4-6	2500	1	*
	Tynemouth ...	1010·1	+20	W	3	bc	48	85	6	2	–	–	4-6	4-6	1500	1	2
11	Inchkeith ...	1009·2	+16	SW	4	bc	44	95	7	5	–	–	4-6	4-6	1500	0	3
	Leuchars ...	1007·5	+18	WSW	2	m	37	95	4	5	–	–	4-6	4-6	800	1	*
12	Rentrew (Abbots L.)	1008·7	+34	WSW	4	bc	41	95	7	2	–	–	4-6	4-6	2500	1	*
	Eskdalemuir ...	1011·0	+40	WSW	3	bc	40	85	7	5	–	–	2-3	2-3	1500	1	*
	Point of Ayre ...	1012·6	+28	NWW	4	c	46	95	8	4	5	–	7-8	7-8	1500	1	2
13A	Tiree	1007·9	+32	W'S	5	b	44	75	8	8	–	–	1	1	1500	0	3
13B	Stornoway ...	1002·6	+**	W	5	bc	41	85	8	3	–	–	4-6	4-6	2500	1	3
15	Dalwhinnie ...	1007·9	+24	SW	4	ir.	39	85	7	4	6	–	4-6	7-8	2500	1	*
	Aberdeen ...	1006·4	+18	SSW	3	z.	40	95	5	5	–	–	1	1	2500	1	2
	Wick ...	1002·0	+20	SW	4	bc	43	95	7	8	6	–	4-6	4-6	1500	1	3
16	Lerwick ...	998·7	−4	SSW	7	c/pr	45	95	6	8	2	–	7-8	9	800	1	*
17	Blacksod Point	1012·2	+22	W	4	bc	45	75	8	9	–	–	4-6	4-6	2500	1	3
18	Malin Head ...	1010·0	+28	SWW	1	cjp	44	95	7	8	–	5	9+	9+	1500	1	2
	Aldergrove ...	1012·6	+32	SSW	2	b	39	85	8	5	–	–	Tr	Tr	1500	1	*
19	Birr Castle ...	1013·9	*	WSW	1	bc	38	95	8	5	–	–	2-3	2-3	2500	1	*
20	Valentia Obsy. †	1016·9	+18	SW	3	bc	43	75	8	8	–	–	4-6	4-6	2500	1	4
	Roches Point	1017·5	+20	NW	3	b	43	85	8	–	4	–	0	1	–	1	3

District	Stations. (For heights see p. 4.)	PAST 24 HOURS. Weather. 7h.—13h. 29th. (37)	13h.—18h. 29th. (38)	18h. 29th to 1h. 30. (39)	1h.—7h. 30th. (40)
1	London (Kew)	cm.c	cr.	cre	cbcm.
	Croydon ...	cdo r id.	cm. ir.	cir. r m.	cir. c
	S. Farnborough	od. id.	id. cm. r.	cm. pre	bcb
	Boscombe Down	cd. d. m. ir.	c c pr.	cpr. cbcb	b
	Calshot (Sthmtn.)	cid. r.	cid.	cid. prb	bbw
	Lympne ...	om. j. r. id.	om. o. d.	ec m. c.	bcc
	Manston ...	cd. o. c	c	c	bcc
2	Shoeburyness ...	id. o. bcc	bc cbc	bcc	cm.
	Felixstowe ...				
	Gorleston ...	or. c	c	cbcw	c
	Mildenhall ...	crr m. d. o. bc	cbc	bcc z.	cm.
	Cranwell ...	d. o. r. r. c	cbcb	bc c pr.	cpr
3	Birmingham ...	c	bc c pr.	cir	cb
	Upper Heyford	cid. p.	bcc r.	cr. b c c r	cr. o b
4	Ross-on-Wye	d. o. bcc	cd.	r b c o R d	cbb
5	Portland Bill ...	c	c	cbc	b c b c
	Plymouth ...	c	cpr. o. pr	cpr. o b	b
	The Lizard ...	cpr.	pr r r c	pr. b c	bc
	Scilly (St. Mary's)	cpr. o q	cr d p q	cp. b c	b c b b c
	Guernsey ...	c i d c	b c o 'id	c b c	b c w
6	Pembroke ...	c q i r m. o	c q m i r	c b c b q	bcq
7	Holyhead ...	o' d. o. d. o. c	cr. b	cr. o b	bcc
	Chester (Sealand)	cm. o	cm. o r. o.		b c b x m.
8	Manchester ...	cr. o. d r c m. o	b c c p r. o r r. o. r. r r		b c b m. o m
10	Spurn Head ...	o p r c	c b c	b c c z	pr. o f c
	Catterick ...	o m. c m. o	cm. o. d. o. b c	b c	b c x b c
	Tynemouth ...	o m. i r. o. b c	o m b c	b c c	c b c
11	Inchkeith ...	c z z. o w	z. o c b c	b c	b c
	Leuchars ...	cn. d. o. cm. o	cm. o d. o. b c	b c m b m.	b x
12	Rentrew (Abbots L.)	o r. o f f d d	f m. o b c p r. o	c b r. b c	b c x c
	Eskdalemuir ...	o d. o. d. o. d. d	o d d r b c	b c b x	b x, c i d.
	Point of Ayre ...	f d. o. d p	c	c b c b c	b c c
13A	Tiree	b c	c	b b c	b c c
13B	Stornoway ...	c p r. o	c p r. o. q b c	b c c p r q	c r. o. f
15	Dalwhinnie ...	c i r. o	c i r o'	*	i r o c
	Aberdeen ...	o c n. b c	c b c b	b z. o. x	b x
	Wick ...	m. o. p r. o	c b c	b c c ⊕	c
16	Lerwick ...	c m. o	c p r o m. o	b c p r. o	c p r. o
17	Blacksod Point	P H R c	p r. o. c q	p r. c q	i D R q
18	Malin Head ...	c p r	c p r. o	c ⊕	c
	Aldergrove ...	c i r. o p r. o	c b	b, c	c
19	Birr Castle ...	c o i r b c	b c	b c	b c x c
20	Valentia Obsy. †	b c c p r q	p r. o. q h r b c	b c c	c c p r. c
	Roches Point	c	c b r. c b	b b w o	b w b c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r$_o$, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ⏀ lunar halo. ⸗ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; + has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo- stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

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

† Sea disturbance reported from Dungeness.

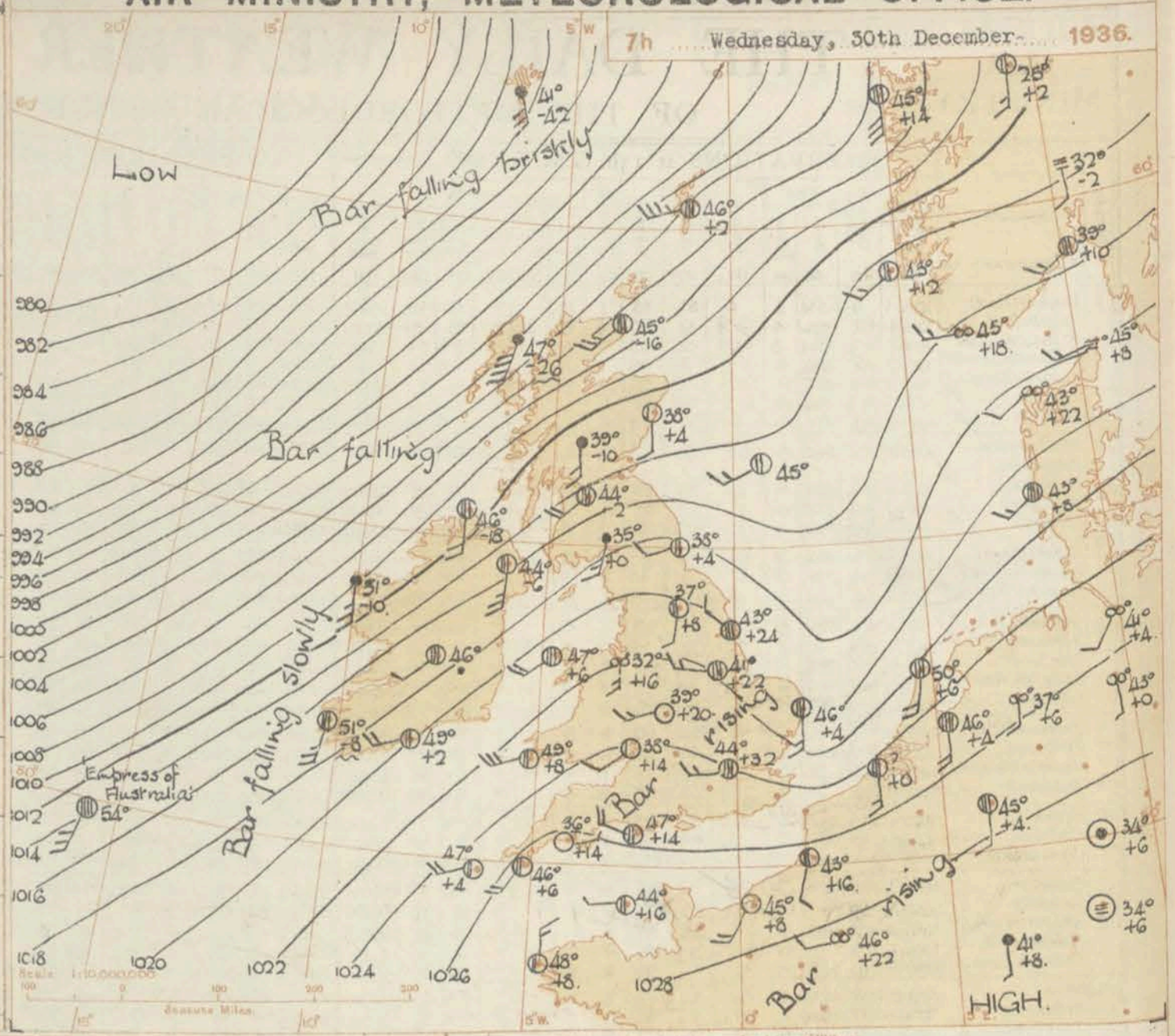
REPORTS from HEALTH RESORTS for ... 29th December ... 1936.

Districts	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature (F) Min. 9h. 28th to 9h. 29th.	Temperature (F) Max. 9h.—17h. 29th.	Rainfall (mm.) Night. 17h. 28th to 9h. 29th.	Rainfall (mm.) Day. 9h.—17h. 29th.	Sunshine (hrs.) Sunrise to Sunset. 29th.
1	Tunbridge W.	od	odo	31	50	2	Trace	0·0
	Bournemouth	pcp	o	43	52	5	–	0·3
	Ventnor ...	rmco	ocu	39	50	2	–	0·1
	Southsea ...	c	orc	43	51	1	Trace	0·2
	Bognor Regis	rcbc	p	39	49	1	Trace	0·3
	Littlehampton	cpoc	c	39	50	1	0·2	0·6
	Worthing ...	o	odo	38	50	1	Trace	0·0
	Brighton ...	bcrc	cbc	37	50	0·5	1	0·7
	Eastbourne†	corpo	o	43	51	0·5	0·1	0·1
	Hastings† ...	ocdo	oc	43	51	0·5	Trace	0·1
	Folkestone ...	omodccdbcc		30	50	1	0·1	0·3
	Dover	do	coco	34	50	1	Trace	0·0
	Deal	roo	o	32	51	1	Trace	0·0
	Ramsgate ...	c	c	38	51	Trace	–	0·4
	Margate ...	c	c	37	52	–	–	0·1
2	Southend ...	cbbc	bco	31	52	0·3	–	3·1
	Maldon ...	cbc	bcco	34	54	0·5	–	2·4
	Clacton-on-Sea	cbc	bcc	32	49	1	–	3·1
	Dovercourt ...	oc	bccbc	33	53	0·4	–	2·0
	Lowestoft ...	omoc	cbcc	34	53	0·3	–	1·3
	Skegness ...	rocbc	bccbc	33	52	0·4	–	0·7
	Mablethorpe	orc	cbc	32	50	1	Trace	0·5
	Cleethorpes ...	orbc	bcor	32	52	0·5	Trace	0·7
3	Leamington S.	oc	o	32	54	–	–	0·2
4	Cheltenham†	c	bccop	34	53	1	Trace	1·0
5	Bath	cir	cir	36	53	5	0·3	0·0
	Weymouth ...	c	c	40	52	5	–	0·1
	Jersey ...	dc	cbcc	40	52	1	–	1·5
	Torquay ...	cbc	opocp	43	53	6	0·3	0·3
	Penzance ...	bccd	cld	46	52	4	3	0·7
	St. Ives ...	p	p	44	53	6	5	0·0
	Bude	bcor	or	43	53	5	3	2·0
	Ilfracombe ...	orcbc	cpco	42	53	5	1	0·7
6	Aberystwyth	cprc	crr	37	51	3	5	0·8
7	Llandudno ...	cbc	circ	33	55	1	0·3	1·3
	Colwyn Bay ...	bcbcc	cpcp	35	53	1	1	1·6
	Rhyl	cbc	bccpr	31	54	2	0·2	2·2
8	Wallasey ...	cfmp	bcpc	33	53	2	0·5	1·7
	Southport‖ ...	cdoc	c	35	52	1	Trace	0·2
	Blackpool ...	orc	pc	34	49	3	0·3	0·4
	Morecambe ...	ldbbc	cldc	33	48	2	1	0·1
9	Ilkley	gmod	o	32	51	1	0·4	0·0
	Harrogate ...	obcld	cbc	32	50	1	0·1	0·0
10	Berwick-on-T.	moroc	codoc	32	45	–	Trace	0·5
11	Dunbar ..	bc	bcro	31	49	–	Trace	1·4
12	Troon	rocor	cbcc	35	48	1	1	0·1
	Douglas ...	cbwf	bccb	38	50	3	–	1·8

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Wednesday, 30th December ..... 1936.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 30th December, 1936.
1 S.E. England 2 E. England ...	Light or moderate westerly winds, backing south or southwest and freshening; fair or fine at first, becoming cloudy or dull with occasional rain later; becoming rather mild.
3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales	Freshening south or southwest winds, strong in places; becoming cloudy or dull with rain at times, becoming fairer later; rather mild.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Southwest or south winds, increasing to strong veering west later; cloudy or dull with rain at times, becoming fairer later; rather mild at first.
13 A. W. Scotld. ▼ B.N.W Scotland. 14 Mid Scotland 15 N. E. Scotland ▼ 16 Orkney and Shetland ▼ 17 N. W. Ireland ▼ 18 N. E. Ireland	Southerly winds, strong or gale, veering southwest or west later; cloudy or dull with rain at times, fair periods and showers later; rather mild at first.
19 S. E. Ireland 20 S. W. Ireland ▼	Increasing southerly winds, strong at times; cloudy or dull with rain at times becoming fairer later; rather mild.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:— ◎
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:— ○ Clear sky. ◔ Sky less than ⅜ clouded. ◑ Sky ⅜ to ⅝ clouded. ◑ Sky ⅜ to ⅞ clouded. ● Rain falling. / ✱ Snow. ✱ Sleet. ▲ Hail. ≡ Fog. ≡ Mist. T Thunder. ⅋ Thunderstorm. od Slight haze.
SEA DISTURBANCE. ~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A complex depression northwest of Scotland is moving east-northeast. There will be occasional rain in all districts but fairer conditions will spread from west later. It will be rather mild generally.

FURTHER OUTLOOK.

Mainly fair.

Times of issue of Gale Warnings.

▼ South Cone hoisted at 2015 on 29th in districts 17 & 20.
▼ South Cone hoisted at 0810 on 30th in districts 13, 15 & 16.

Forecasts issued at 10.30 G.M.T.

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

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

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

Morning of

WEDNESDAY,
30TH DECEMBER

1936.

Gnomonic Projection. Scale 1·4 X 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = 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

BRITISH SECTION

OF THE METEOROLOGICAL OFFICE, LONDON.

Wednesday, 30th December, 1936.
No. 27432.

OBSERVATIONS at 1 hr. G.M.T. 30th December.

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Cloud. Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1018·1	−2	S'W	4	c/r	49	85	8	8	-	-	9+	9+	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1020·6	0	SSW	5	c	48	95	7	8	7	-	7-8	9	2500
	Manston ...	142	1020·2	−2	S'W	4	c	48	95	7	5	-	-	9+	9+	1500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1019·3	+2	SSE	4	bc	44	95	6	5	-	-	4-6	4-6	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	8	1020·3	+3·6	NW	4	bc	46	95	8	4	-	-	2-3	2-3	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1023·2	+1·8	WSW	4	bc	46	75	8	8	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	1023·4	+1·2	WNW	4	bc	46	75	8	2	-	-	2-3	2-3	2500
	Guernsey ..	175	1023·7	+2·6	NW'W	3	bc	47	75	8	2	-	-	4-6	4-6	2500
6	Pembroke ...	142	1020·6	+1·2	NW	4	q	46	75	8	5	-	-	2-3	2-3	4000
7	Holyhead ...	26	1018·8	+1·8	W'S	2	bc	43	75	8	1	-	5	Tr	2-3	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1016·4	+1·2	S	3	z_o	45	95	5	5	7	-	7-8	10	800
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1016·4	+0·8	WSW	2	c	43	85	7	4	-	-	7-8	7-8	1500
11	Inchkeith ...	190	1014·1	+1·0	SW	4	bc	40	95	8	5	-	-	4-6	4-6	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1017·0	+1·6	WSW	3	bc	37	95	8	-	-	5	0	2-3	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1003·9	−2	SW	7	c/pr	46	85	7	5	7	-	4-6	7-8	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1007·5	+0·6	SW	5	c	42	85	8	6	1	3	4-6	9	1500
16	Lerwick ...	156	1004·5	+1·2	WSW	6	bc	46	86	8	5	-	-	4-6	4-6	2500
17	Blacksod Point	18	1012·2	−2	W	5	c	45	85	8	9	-	-	7-8	7-8	1500
18	Malin Head ...	52	1011·5	0	S	4	c	41	95	7	4	4	3	4-6	7-8	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1016·9	0	SW	5	c	50	95	7	4	-	-	9+	9+	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 30th December.

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)	1024·4	+3·4	W	2	z_o	44	85	6	5	-	-	7-8	7-8	1500	1	*
	Croydon ...	1024·1	+3·2	W'S	3	c/r	44	85	8	5	3	-	2-3	9+	2500	1	*
	S. Farnborough	1025·1	+2·6	W'N	2	b	40	95	7	-	3	-	0	Tr	-	1	*
	Boscombe Down	1025·9	+2·6	WSW	3	b	36	95	8	-	-	-	0	0	-	1	*
	Calshot (Sthmtn.)	1025·5	+2·4	SW'W	3	b	38	95	8	-	-	-	0	0	-	1	1
	Lympne ...	1024·3	+2·6	W'S	3	c	45	86	7	5	-	-	9+	9+	800	1	§2
	Manston ...	1023·0	+2·2	SW'W	4	c	45	85	7	5	-	-	10	10	1500	1	*
2	Shoeburyness ...	1023·0	+3·0	W	3	c	46	85	6	5	-	-	9+	9+	1500	1	*
	Felixstowe ...																
	Gorleston ...																
	Mildenhall ...	1019·9	+4	S	3	c	46	86	6	5	-	-	7-8	7-8	2500	1	2
	Cranwell ...	1021·6	+3·0	WNW	4	z_o	45	95	6	5	-	-	10	10	2500	1	*
		1022·2	+2·2	W'N	3	c	41	95	7	5	-	-	9	9	7200	1	*
3	Birmingham ...	1023·8	+2·0	WSW	3	b	39	85	8	-	3	-	0	Tr	-	1	*
	Upper Heyford																
4	Ross-on-Wye	1024·7	+3·0	W	3	b	38	95	7	5	4	-	1	1	2500	1	*
		1024·0	+1·4	SW	2	b	38	85	8	4	-	9	Tr	Tr	4000	1	*
5	Portland Bill ...	1025·5	+1·4	WNW	4	bc	47	95	8	4	-	-	2-3	2-3	2500	1	3
	Plymouth ...																
	The Lizard ...	1026·2	+1·4	E'N	1	b	36	95	7	-	-	-	0	0	-	1	2
	Scilly (St. Mary's)	1026·2	+0·6	SW	4	bc	46	75	8	2	-	-	4-6	4-6	2500	1	2
	Guernsey ..	1025·4	+1·4	WSW	4	bc	47	75	8	5	-	-	4-6	4-6	2500	1	3
		1027·4	+1·6	W	1	bc	44	85	7	2	-	-	4-6	4-6	2500	1	3
6	Pembroke ...	1022·9	+1·8	WSW	6	q	49	75	8	5	-	-	4-6	4-6	4000	1	3
7	Holyhead ...	1020·5	+0·6	SW	4	c	47	85	8	7	-	-	7-8	7-8	2500	1	2
	Chester (Sealand)																
8	Manchester ...	1022·0	+1·6	S	3	z_o	32	95	6	-	3	-	0	4-6	-	1	*
		1022·2	+1·8	SE'S	1	m	34	95	4	-	4	-	0	2-3	-	1	*
10	Spurn Head ...	1020·2	+2·4	NW	2	c	43	95	7	5	2	-	7-8	10	1500	1	1
	Catterick ...																
	Tynemouth ...	1020·3	+0·8	S'W	1	bc	37	95	7	-	-	6	0	4-6	-	1	*
11	Inchkeith ...	1018·8	+0·4	WSW	2	bc	38	85	6	2	4	-	2-3	4-6	1500	1	2
	Leuchars ...																
12	Renfrew (Abbotsl.)																
	Eskdalemuir ...																
	Point of Ayre ...	1017·8	0	S'W	3	id_o	35	85	6	5	-	-	10	10	<150	5	*
		1018·3	0	SW	4	c	46	85	8	-	3	-	0	7-8	-	0	2
13A	Tiree	1006·9	−1·6	SSW	7	iD	46	95	7	6	2	-	7-8	9+	1500	1	*
13B	Stornoway ...	1000·8	−2·6	SSW	8	r_o	47	95	5	5	2	-	7-8	10	1500	1	5
15	Dalwhinnie ...	1012·4	−1·0	S	3	ir_o	39	95	6	4	2	-	4-6	10	2500	1	*
	Aberdeen	1012·8	+1·4	S	2	b	38	85	7	-	4	-	0	Tr	-	1	1
	Wick ...	1007·0	−1·6	SW	5	c	45	85	8	5	7	-	7-8	9+	1500	1	3
16	Lerwick ...	1004·9	+2·2	WSW	7	c	46	85	8	8	3	-	4-6	7-8	1500	1	*
17	Blacksod Point	1010·0	−1·0	S	5	DD	51	95	7	6	-	-	10	10	450	1	3
18	Malin Head ...	1010·7	−1·8	S	4	c	46	95	7	8	-	-	9+	9+	1500	0	3
	Aldergrove ...	1015·1	−0·6	S	5	c	44	75	8	5	7	-	7-8	9+	4000	1	*
19	Birr Castle ...																
20	Valentia Obsy. †	1016·8	*	SW	1	c	46	85	8	5	-	-	9+	9+	2500	1	*
	Roches Point	1016·9	−0·8	SSW	5	c/pr	51	85	7	5	-	-	10	10	800	1	4
		1020·2	+0·2	WSW	4	bc	49	86	8	6	4	-	4-6	4-6	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 29th Hrs. (36)
1	London (Kew)	52	44	40	Tr	0·6	0·4
	Croydon ...	52	44	42	0·1	0·5	0·5
	S. Farnborough	52	39	32	0·1	2	0·6
	Boscombe Down	51	36	30	0·4	0·4	0·1
	Calshot (Sthmtn.)	51	37	34	0·2	1	0·0
	Lympne ...	49	43	42	0·1	-	0·0
	Manston ...	51	44	42	Tr	-	0·4
2	Shoeburyness ...	52	45	42	Tr	-	1·5
	Felixstowe ...						
	Gorleston ...						
	Mildenhall ...	53	44	42	0·6	-	1·5
	Cranwell ...	53	44	41	0·1	-	0·3
		53	41	38	1	1	0·6
3	Birmingham ...	51	38	34	0·2	3	0·7
	Upper Heyford						
4	Ross-on-Wye	52	36	30	0·4	1	*
		54	38	29	0·1	6	1·2
5	Portland Bill ...	52	44	*	-	0·5	*
	Plymouth ...						
	The Lizard ...	52	36	33	1	Tr	0·0
	Scilly (St. Mary's)	51	45	*	5	0·2	*
	Guernsey ..	51	45	*	4	Tr	0·8
		53	44	32	0·6	-	1·7
6	Pembroke ...	52	43	*	9	0·2	0·3
7	Holyhead ...	51	43	36	0·3	-	0·3
	Chester (Sealand)						
8	Manchester ...	55	32	22	0·5	3	1·2
		55	34	25	1	3	1·5
10	Spurn Head ...	52	42	*	1	1	0·8
	Catterick ...						
	Tynemouth ...	49	35	27	Tr	-	0·4
11	Inchkeith ...	46	39	36	-	-	0·0
	Leuchars ...	38	33	26	0·1	-	0·0
12	Renfrew (Abbotsl.)						
	Eskdalemuir ...	44	36	30	3	Tr	0·0
	Point of Ayre ...	45	29	22	3	0·1	0·0
		51	35	*	0·2	-	1·1
13A	Tiree	48	42	40	1	0·3	1·0
13B	Stornoway ...	48	40	*	0·5	0·4	0·1
15	Dalwhinnie ...	41	34	28	0·4	0·2	0·0
	Aberdeen	40	35	26	Tr	-	0·1
	Wick ...	45	36	*	Tr	-	*
16	Lerwick ...	46	43	*	Tr	Tr	0·0
17	Blacksod Point	51	44	*	0·1	3	*‡
18	Malin Head ...	47	41	*	0·5	-	1·0
	Aldergrove ...	48	36	32	1	-	1·6
19	Birr Castle ...						
20	Valentia Obsy. †	49	34	25	0·5	-	5·3
	Roches Point	48	43	36	1	0·2	3·3
		49	39	*	-	Tr	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
Kew	18	cm_oc	cr_o	$crcbm_o$	52	44	40	Tr	0·6	0·4	*	*	6
Croydon	217	cd_ssid_o	cm_oir_o	cir_ocm_o	52	44	42	0·1	0·5	0·5	*	*	6
Greenwich (Royal Observatory)...	149	c	c	cr_ocbc	53	41	35	-	0·3	0·2	83	87	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·3	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	53	42	36	0·4		0·5	79	90	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	54	42	39	Tr	0·3	*	86	87	*
Camden Square	110	c	c	*	53	42	36	-	0·3	*	*	88	*
Kensington	80	c	bc	*	53	42	33	-	0·4	0·4	At 18h. 91	53	*
Hampstead Observatory	440	om	cr	orbc	51	39	32	-	1	0·4	*	93	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 30th.

South Kensington.

Max.	Time.	Min.	Time.
0·6	17 hrs 29 ths	0·3	2-5h 30th.

Kew Observatory.

Max.	Time.	Min.	Time.
0·2	19 hrs 29th	0·1	0 hrs 30th.

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 29th December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 30th December. 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	1023·5	S	2	z_o	48	1028·2	WSW	2	z_o	46	48	45	0·5	0·2
Brussels	1022·3	SSW	3	o/cl	45	1025·2	SW	3	o	45	45	*	Tr	*
Berlin	1024·9	S	1	m	30	1028·3	-	0	f	32	36	28	-	Tr
Zürich	1029·4	S	1	m	34	1031·9	NNE	1	f	30	39	30	-	-
Rome	1027·7	E	2	r_or_o	48	1028·2	ENE	2	o	43	*	*	Tr	10

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 —Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

TERMS OF SUBSCRIPTION. { Single Copies, 1d. each: by post 1½d. } 2/6 per month; 5/6 per quarter; 25/- per year.

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 31st December, 1936.
No. 27433.

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 30th December: Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High. (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)	OBSERVATIONS at 18h. G.M.T. 30th December: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)	PAST 24 HOURS. Weather. 7h.—13h. 30th. (37)	13h.—18h. 30th. (38)	18h. 30th to 1h. 31st. (39)	1h.—7h. 31st. (40)
1	London (Kew)	1027·8	+2	SW	2	z.	46	75	6	–	–	–	0	0	–	1028·2	+2	SSW	2	z.	42	85	6	–	–	–	0	0	–	1	*	bc m. bz.	bz.	bx	bcw
	Croydon ...	1027·5	+2	SW	3	z.	48	65	6	1	–	–	Tr	Tr	4000	1028·4	+6	SW	3	z.	41	85	6	–	–	1	0	1	–	1	*	cb cb m.	bz.	bm. bw	cb cw c
	S. Farnborough	1028·0	+2	WSW	3	b	49	65	8	–	5	–	0	Tr	–	1028·6	+4	SSW	2	b	41	85	6	–	–	1	0	Tr	–	1	*	b	bz.	bm. x	bm. wbc
	Boscombe Down	1028·2	+2	SSW	3	b	47	75	7	–	–	8	–	Tr	–	1028·4	+4	SW	3	b	39	85	7	–	–	–	0	0	–	1	*	bm. b	bbc b	bbm. bcm.	bc m. c
	Calshot (Sthmtn.)	1028·5	+4	SW	3	b	50	75	7	1	–	–	1	1	2500	1028·6	+2	SSW	3	b	44	85	7	–	3	1	0	2-3	–	1	1	bm. b	b	bbw bcw	bcw cw
	Lympne ...	1028·6	+8	WSW	3	b	47	65	8	1	–	–	Tr	Tr	2500	1030·0	+8	SW	2	b	40	85	6	–	–	–	0	0	–	1	§ 1	cbb	bm.	bm. bw	bw
	Manston ...	1027·7	+12	W'S	4	b	49	65	7	–	–	–	0	0	–	1029·5	+14	SSW	3	b	35	85	6	–	–	–	0	0	–	1	*	cbc m. b	bm.	bm. bx	bw
2	Shoeburyness ...	1027·3	+8	SW	3	bc	47	75	5	–	1	–	0	2-3	–	1028·7	+8	SSW	2	b	41	95	7	–	–	–	0	0	–	1	*	cm. bm. m	bm. bw	bw x	b, cpb
	Felixstowe ...																																		
	Gorleston ...	1025·2	+14	WSW	6	bc	46	85	6	5	–	–	2-3	2-3	2500	1027·7	+14	SW	2	b	41	85	6	–	–	–	0	0	–	1	2	cbc	bc bz.	bz. bc b	bc
	Mildenhall ...	1026·2	+4	SW	3	z.	47	75	6	–	–	–	0	0	–	1027·3	+6	SSW	3	z.	42	85	6	–	–	–	0	0	–	1	*	lr. bc z. bz.	bc z.	bz.	bz. bc
	Cranwell ...	1024·6	-2	SW	3	z.	45	75	6	–	3	–	0	1	–	1024·8	+2	SSW	4	bc	41	85	7	–	5	6	0	2-3	–	1	*	cbc bm.	bz. b	b	b, c r.
3	Birmingham ...	1025·1	0	SSW	3	b	45	75	7	–	3	1	0	1	–	1025·3	+2	SSW	3	b	42	85	8	5	–	–	1	1	2500	1	*	b	b	b	b, c
	Upper Heyford	1026·9	+2	SW	3	z.	45	75	6	–	7	–	0	2-3	–	1027·4	+6	S	3	bc	40	95	7	–	7	–	0	2-3	–	1	*	bz.	bbcb	bbc	bccbpm
4	Ross-on-Wye	1025·5	0	SW	3	bc	47	75	7	7	–	5	2-3	2-3	4000	1025·3	+4	SSW	3	b	43	85	7	5	–	–	1	1	4000	1	*	b	bc	bc	bcc
5	Portland Bill ...	1028·1	+10	WSW	4	bc	49	85	8	4	–	–	4-6	4-6	2500	1027·5	-4	WSW	4	bc	49	85	8	4	–	–	4-6	4-6	2500	1	3	bc	bc	bcc	c
	Plymouth ...	1027·6	-2	SW	4	bc	51	75	8	1	3	1	2-3	2-3	2500	1027·4	+2	SW	4	bc	49	85	8	7	5	–	2-3	2-3	1500	1	2	bbc m. bv	r bc	bc bbc	bc bc
	The Lizard ...	1027·2	-2	SW	5	bc	51	75	8	2	–	–	2-3	2-3	2500	1026·8	+2	SW	5	bc	49	85	8	4	4	–	2-3	2-3	2500	1	3	bc	bc	bcc	eq
	Scilly (St. Mary's)	1026·3	-2	SW	5	b	52	75	8	–	–	–	0	0	–	1025·7	-2	SW	5	bc	49	85	8	–	3	–	0	2-3	–	1	3	bcb	bbc	bcc	c z c
	Guernsey ...	1029·3	0	WSW	1	bc	50	75	9	2	–	–	4-6	4-6	2500	1030·0	+4	SSW	1	bc	46	95	7	1	–	–	4-6	4-6	2500	1	2	bc w bc	bc	bc bw	bw bcw
6	Pembroke ...	1023·2	+2	SW	6	q	50	75	8	5	7	1	2-3	4-6	4000	1022·1	0	SW	7	q	50	85	7	5	–	–	9+	9+	2500	1	4	bc q cbc	bc eq	eq	q m. i. c
7	Holyhead ...	1020·4	-4	SW	6	c	50	75	8	5	–	–	10	10	1500	1019·2	-4	SSW	5	i d.	50	85	6	5	2	–	7-8	10	1500	1	3	c	c id.	ir. d. d. o	d. d. o
	Chester (Sealand)	1022·6	-2	SE	2	c	49	65	8	5	3	4	4-6	7-8	1500	1022·2	0	ESE	3	bc	48	75	8	5	–	–	4-6	4-6	1500	1	*	bc m.	c	c	c
8	Manchester ...	1022·9	-6	S	4	z.	46	75	6	5	7	–	2-3	7-8	2500	1022·3	-4	S	3	z.	45	85	6	5	7	–	2-3	4-6	2500	1	*	cm. cm. bc	bc bc m.	bc c m.	cr. r. m.
10	Spurn Head ...	1023·4	0	SW	4	bc	45	85	6	–	1	–	0	2-3	–	1023·3	0	SSW	4	bc	43	95	7	–	1	–	0	4-6	–	0	3	cf m bc	bc	bcc	cpr
	Catterick ...	1020·8	-2	SSW	2	z.	48	65	6	5	9	5	2-3	7-8	2500	1019·7	-4	SW	4	z.	47	75	6	5	7	–	9	10	1500	1	*	bc bbc	bc z. c z.	cbc	c
	Tynemouth ...	1018·3	-4	WSW	3	bc	47	55	6	4	–	–	4-6	4-6	1500	1017·3	-6	WSW	4	bc	48	75	7	4	–	–	4-6	4-6	2500	1	2	bc	bc	bca	o
11	Inchkeith ...	1012·6	-4	SW	5	c	48	95	8	5	4	–	4-6	7-8	2500	1012·4	-12	S	5	c	49	95	8	5	–	–	9+	9+	2500	0	4	bcc	c	cpr c	cpr
	Leuchars ...	1013·3	-10	SW	5	q	46	85	7	6	7	–	7-8	9+	1500	1011·7	-8	SW	6	q	50	85	7	5	2	–	7-8	10	1500	1	*	bx cq	cq	cq ir.	cq ir. q
12	Renfrew (Abbots I.)	1013·1	-14	SSW	6	r. r.	47	85	6	5	–	–	10	10	1500	1011·8	-10	SSW	6	z.	51	85	6	5	–	–	10	10	1500	1	*	or r. r. c	r. c r. h.	c m. t.	cf. r. r. c
	Eskdalemuir ...	1016·6	-4	SSW	7	r r	44	95	5	–	2	–	10	10	220	1015·5	-6	SSW	6	r r	45	95	5	–	2	–	10	10	220	1	*	c r r	or r m.	or r r.	or. r. r r
	Point of Ayre ...	1017·5	-8	SW	5	p r.	50	95	8	3	–	–	7-8	7-8	1500	1016·3	-4	SW	5	o	50	95	8	5	2	–	10	10	1500	1	3	c	p r. o	or r	c
13A	Tiree	1006·4	-8	SSW	7	o	48	95	7	6	–	–	10	10	800	1004·7	-16	SSW	7	c	51	95	6	6	2	–	9+	10	800	1	4	l d l r.	o l d r.		
13B	Stornoway ...	1001·2	-4	SSW	7	r. r.	51	95	6	5	2	–	7-8	10	1500	997·9	-16	SSW	9	r r	50	95	6	5	2	–	7-8	10	1500	1	5	c r. o r.	c r r	c r r, c	c r r p r
15	Dalwhinnie ...	1010·1	-12	S	6	l r.	43	95	6	3	6	–	4-6	7-8	1500	1008·3	-10	S	7	l r.	46	95	7	5	–	–	10	10	1500	1	*	c l r o	c l r o		c i r
	Aberdeen ...	1011·0	-10	SSW	5	z.	46	75	6	6	7	–	4-6	9+	800	1009·6	-6	SW'S	4	z.	49	85	6	5	2	–	4-6	10	1500	1	2	bbc c r.	c z.	c z. o d.	o i d. q
	Wick ...	1005·0	-14	SW	6	c	47	85	8	5	9	–	4-6	10	1500	1004·0	-4	SSW	5	c	48	95	8	5	7	–	7-8	9	800	1	3	c	c	c p.	c
16	Lerwick ...	1000·9	-18	SSW	8	c	47	95	8	8	9	–	7-8	9+	1500	1000·7	-4	SSW	8	r r	47	95	6	6	–	–	10	10	800	1	*	c	c o r r m.	c o r r m.	c p r r
17	Blacksod Point	1009·8	-10	SW	6	c	52	85	8	9	–	–	10	10	800	1006·8	-20	S	8	c	52	95	7	9	–	–	10	10	800	1	5	p r c q	p r o c q	i R q	i R q
18	Malin Head ...	1009·8	-6	SW	5	c	49	95	7	8	–	–	10	10	2500	1006·4	-14	S	5	c	52	95	7	4	2	–	4-6	10	2500	1	3	c	c p r.	c	c p r
	Aldergrove ...	1014·0	-14	SW	5	c	48	95	7	5	–	–	9+	9+	1500	1012·5	-6	S'W	5	c	51	85	7	5	–	–	10	10	800	1	*	c r. o c	c i d. o c	c	c c R c
19	Birr Castle ...	1015·4	*	SW	3	c	52	85	8	8	7	–	7-8	9+	1500	1014·1	*	SW	3	c	52	85	8	6	2	–	7-8	10	1500	1	*	c p r c	c	c	c p r
20	Valentia Obsy. †	1016·2	-14	SSW	6	l r. o	52	95	6	6	–	–	10	10	450	1014·3	-10	SSW	6	c	54	95	7	6	–	–	10	10	800	1	4	r. o. l r.	c l r. c	c c p r	c c p R c
	Roches Point	1019·4	-12	SW	5	l r. o	50	95	7	6	2	–	4-6	10	1500	1017·9	-8	SW	7	l r.	51	95	7	6	–	–	10	10	1500	1	4	b c l r.	o l r.	o l r c	i d d d.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r$_o$, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⟋ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; + has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ 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), or Nimbo- stratus (Nb-St).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

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

† Sea disturbance reported from Dungeness.

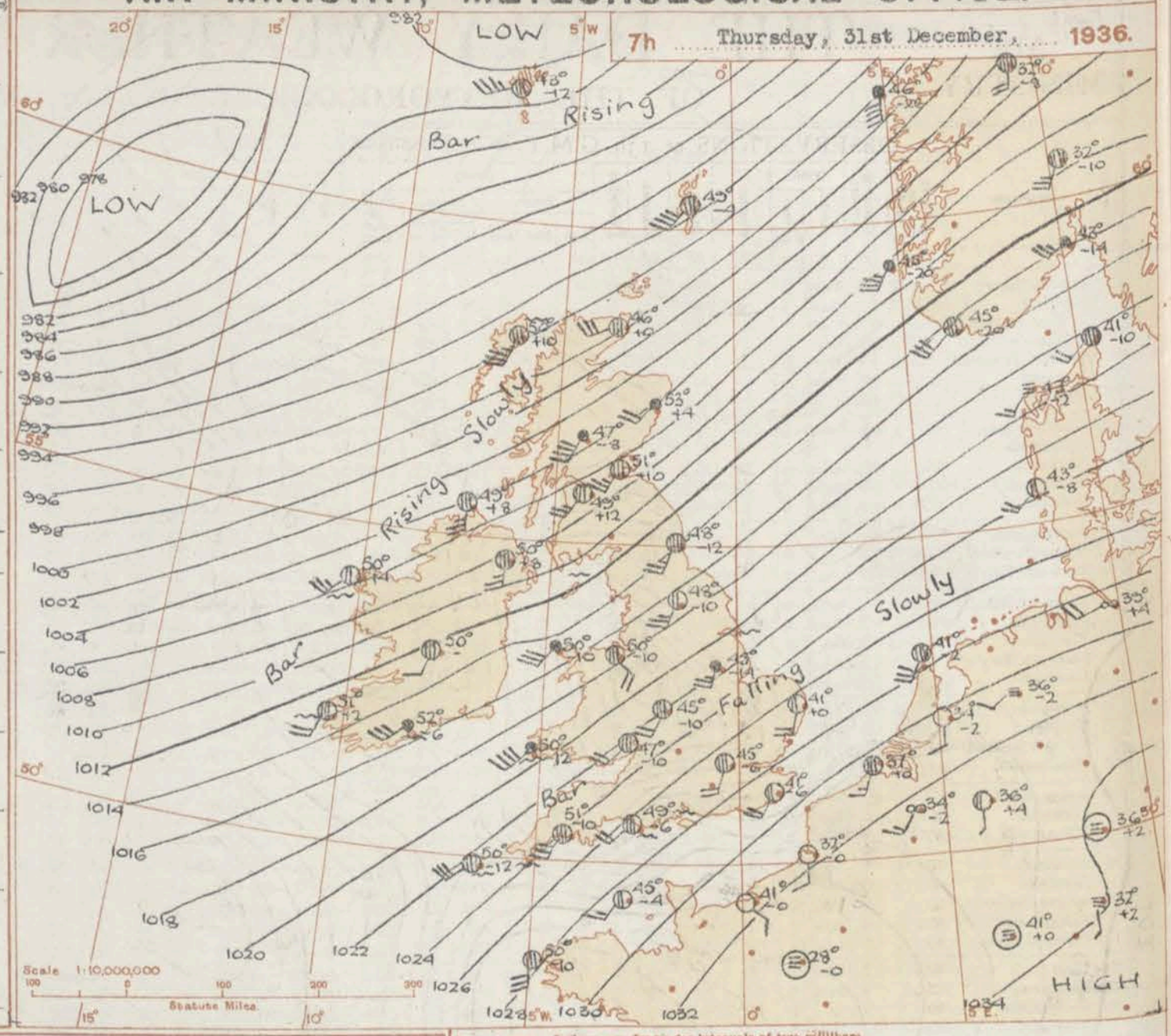
REPORTS from HEALTH RESORTS for ...30th December..... 1936.

District	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (F) Min. 9h.29th to 9h.30th	Temperature (F) Max. 9h.—17h. ...30th..	Rainfall (mm.) Night. 17h.29th to 9h.30th	Rainfall (mm.) Day. 9h.—17h. ...30th.	Sunshine (hrs) Sunrise to Sunset. ...30th..
1	Tunbridge W.	b	b	39	47	0·3	–	6·3
	Bournemouth	b	b	37	50	–	–	6·3
	Ventnor ...	rb	b	42	50	0·3	–	6·6
	Southsea ...	b	b	40	50	1	–	6·8
	Bognor Regis	b	b	38	49	0·3	–	6·7
	Littlehampton	b	bbc	38	49	–	–	6·8
	Worthing ...	b	b	39	50	Trace	–	7·3
	Brighton ...	dcb	b	41	49	Trace	–	6·6
	Eastbourne†	b	b	42	49	0·1	–	6·9
	Hastings† ...	b	b	40	51	–	–	6·5
	Folkestone ...	bbcb	b	44	48	–	–	5·5
	Dover... ...	bbcb	b	44	50	–	–	4·9
	Deal	zb	b	44	48	–	–	5·9
	Ramsgate ...	b	bbc	43	50	–	–	5·7
	Margate ...	bc	bc	44	45	–	–	5·5
2	Southend ...	b	b	43	48	Trace	–	6·5
	Maldon ...	b	bmo	44	47	–	–	4·5
	Clacton-on-Sea	cbc	bc	43	48	–	–	4·0
	Dovercourt ...	bc	bc	43	47	–	–	4·4
	Lowestoft ...	cbcb	b	43	46	–	–	3·3
	Skegness ...	rbcb	bbc	41	46	1	–	5·2
	Mablethorpe	bcbbc	bc	40	43	Trace	–	5·2
	Cleethorpes ...	bcmo	bc	39	46	0·5	–	4·8
3	Leamington S.	bc	bc	36	49	3	–	5·3
4	Cheltenham†	xb	bbcqb	34	50	5	–	*
5	Bath	b	b	33	49	2	–	6·6
	Weymouth ...	b	bbc	35	53	1	–	6·1
	Jersey ...	pbcpc	bcb	42	50	Trace	Trace	5·3
	Torquay ...	xmb	b	33	52	0·3	–	7·1
	Penzance ...	bcb	b	39	52	0·4	–	6·8
	St. Ives ...	b	b	42	51	Trace	–	5·8
	Bude	bc	bc	38	51	Trace	–	6·4
	Ilfracombe ...	opcbc	bbc	42	50	0·5	–	6·2
6	Aberystwyth	prcbc	bc	41	50	3	–	3·5
7	Llandudno ...	bbc	bcc	40	51	0·3	–	4·3
	Colwyn Bay...	bcbcb	bcbcb	38	49	–	–	4·1
	Rhyl	bbc	bcc	35	51	0·3	–	3·2
8	Wallasey ...	bc	bcdbc	43	51	0·3	–	1·7
	Southport‖ ...	bcc	cbc	37	50	–	–	1·8
	Blackpool ...	c	c	40	48	–	–	0·8
	Morecambe ...	cbbc	c	35	48	0·3	–	0·1
9	Ilkley... ...	bc	bcc	36	47	1	–	3·0
	Harrogate ...	b	b	36	47	0·1	–	3·0
10	Berwick-on-T.	bcc	cbc	34	48	–	–	2·0
11	Dunbar ..	bc	bc	36	50	–	–	1·4
12	Troon... ...	roroc	coco	37	49	1	–	0·0
	Douglas ...	cbwbc	cbdb	38	50	–	Trace	0·8

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Thursday, 31st December, ... 1936.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 31st December, 1936.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Fresh south to southwest winds, strong in exposed places, moderating later and veering west; cloudy, with light rain at times; rather mild.
5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England	Fresh or strong south to southwest winds, a gale in exposed places, moderating later and veering west or northwest; cloudy with light rain at times; rather mild.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Fresh or strong south to southwest winds, a gale in exposed places, moderating later and veering west or northwest; fair periods and showers with hail locally later; rather mild at first.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:— Clear sky. Sky less than 1/8 clouded. Sky 1/8 to 3/8 clouded. Sky 3/8 to 5/8 clouded. Sky 5/8 to 7/8 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A deep depression south of Iceland is moving northeast slowly. There will be strong winds or gales in many districts, moderating later. Rain will occur in the South and East at first and there will be showers at times in Scotland and Ireland. Temperature will be rather high for the time of year but will tend to fall later in the North and West.

FURTHER OUTLOOK.

Mainly fair apart from local showers; average temperature.

Times of issue of Gale Warnings.

▼ South Cone hoisted at 2015 29/12 in dist. 17,20; at 0810 30/12 in dist. 13,15,16; at 1545 30/12 in dist. 7,10,11,18,19; at 1945 30/12 in dist. 6; at 0810 31/12 in dist. 5.

Forecasts issued at 1030 G.M.T.

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

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

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

Morning of

THURSDAY,
31ST DECEMBER.

1936.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step.

⊙ = 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, 31st December, 1936.
No. 27433.

OBSERVATIONS at 1 hr. G.M.T. 31st December

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	1027·9	−10	SSW	4	c	44	95	8	5	-	5	7-8	7-8	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1030·5	−2	SW	3	b	41	95	8	5	-	-	Tr	Tr	1600
	Manston ...	142	1029·7	−2	SW'W	2	b	37	95	8	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1026·9	−2	S'W	4	b	38	95	6	-	-	-	0	0	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill ...	32	1027·3	−8	SW	4	c	49	85	8	4	-	-	7-8	7-8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1025·9	−4	S	5	c	49	85	8	8	1	-	9	10	2500
	Scilly (St. Mary's)	163	1024·0	−10	SW	5	c	50	85	7	5	1	-	4-6	10	2500
	Guernsey ..	175	1029·7	−4	SW	3	b	46	85	9	-	-	-	0	0	-
6	Pembroke ...	142	1020·0	−4	SW	7	9	50	85	7	5	2	-	7-8	10	2500
7	Holyhead ...	26	1016·5	−14	SW's	6	d₀d₀	50	95	5	5	-	-	10	10	800
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1022·1	−6	SW's	4	c	41	85	7	5	7	-	7-8	9+	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1014·7	−8	SW	4	c	48	85	7	9	-	-	7-8	7-8	1500
11	Inchkeith ...	190	1008·8	−8	SW	5	c	52	85	8	5	7	-	4-6	7-8	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1013·5	−12	SW₀	7	rr	51	95	8	6	-	-	10	10	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	993·2	−24	SW	7	rr	50	95	6	5	2	-	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	999·8	−20	SW	5	c/r	51	85	8	8	7	-	7-8	10	1500
16	Lerwick ...	156	997·0	−6	SSW	8	c/r₀	49	95	6	8	2	-	9	10	800
17	Blacksod Point	18	1004·3	−10	SW	7	9	50	95	7	9	-	-	10	10	800
18	Malin Head ...	52	1001·3	−20	S	6	c	54	95	7	8	-	-	9+	9+	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1010·9	−6	SSW	6	rr	54	95	7	6	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 31st December

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea 0–9 * (30)
1026·7	−4	SSW	3	c	44	95	7	5	-	2	2-3	7-8	2500	1	*
1027·2	−6	SSW	4	c	45	95	8	5	3	-	9	9+	1500	1	*
1026·9	−2	S'W	3	c	44	95	7	5	8	6	4-6	7-8	1500	1	*
1026·3	−8	S'W	4	c	45	95	7	5	2	-	7-8	10	800	1	*
1027·4	−6	SSW	5	c	47	85	8	8	3	8	4-6	7-8	4000	1	3
1029·4	−6	SW'S	4	b	41	95	8	8	-	1	1	1	2500	1	2
1028·8	−2	SW'S	3	b	39	95	8	5	4	1	Tr	1	1600	1	*
1027·8	−6	SSW	3	b	43	95	7	5	-	-	1	1	4000	1	*
1026·2	0	S'W	4	bc	41	85	6	-	3	1	0	4-6	-	1	2
1025·4	−6	SSW	5	c	44	85	7	5	7	-	2-3	9+	2500	1	*
1021·4	−14	SSW	5	r₀	45	86	7	6	7	-	4-6	9+	2500	1	*
1021·9	−10	SSW	4	c	45	85	8	5	-	-	9+	9+	2500	1	*
1024·9	−8	S'W	4	c	45	95	7	5	-	-	9+	9+	1600	1	*
1022·2	−10	SW	4	c	47	85	8	5	7	-	2-3	9+	2500	1	*
1025·8	−6	SW	4	c	49	85	7	4	-	-	7-8	7-8	2500	1	4
1024·8	−10	SW'S	6	c	51	85	8	5	2	-	9+	10	1500	1	3
1023·8	−10	S'W	7	c	50	85	7	5	2	-	9	10	2500	1	4
1022·2	−12	SW	6	c	50	86	7	5	-	-	10	10	2500	1	4
1029·5	−4	SW'S	3	bc	45	95	9	6	1	-	Tr	4-6	2500	1	3
1018·1	−12	SW	8	r₀	50	95	7	5	-	-	10	10	2500	1	4
1014·6	−10	SW'S	6	d₀d₀	50	95	5	5	-	-	10	10	800	1	3
1017·9	−10	SE	4	c	50	75	7	5	-	-	9	9	2500	1	*
1018·3	−16	S'W	4	z₀	47	85	6	5	3	-	7-8	9+	1500	1	*
1019·7	−10	SSW	6	pr	44	95	7	5	2	-	7-8	10	1500	1	5
1015·4	−10	SSW	5	c	48	85	7	5	7	-	9+	10	1500	1	*
1011·2	−12	SSW	5	o	48	85	7	6		-	10	10	800	1	2
1004·5	−10	SW	6	c	51	95	8	8	-	-	9+	9+	2500	1	3
1006·1	+2	WSW	7	c/r	50	75	7	5	-	-	9+	9+	1500	1	*
1006·6	+12	SW	5	c	49	85	7	5	5	-	4-6	7-8	4000	1	*
1009·5	+8	SSW	8	rr	47	95	5	6	-	-	10	10	460	1	*
1010·7	−6	SW'W	6	c	52	95	8	4	-	-	7-8	7-8	2500	1	4
994·5	+10	SSW	7	c/pr	50	65	8	8	7	-	4-6	7-8	1500	1	5
1003·7	+12	SW	5	c	44	75	7	4	6	-	4-6	10	2500	1	*
1003·4	+4	SW'S	4	pr₀	53	75	7	9	-	-	9	9	1500	1	2
997·7	0	WSW	6	c	46	85	8	8	7	-	4-6	7-8	1500	1	3
993·8	−4	SW	8	c/pr	49	85	7	8	7	-	4-6	7-8	800	1	*
1005·7	+4	SW	5	bc	50	75	7	9	-	3	4-6	4-6	800	1	4
1004·6	+8	S	5	bc	49	95	7	5	-	-	4-6	4-6	2500	1	3
1008·5	+8	S'W	5	c	50	85	7	5	-	9	9	9	1500	1	*
1010·7	•	SSW	2	c/pr	50	86	8	8	-	-	8	9	1500	1	*
1012·4	+2	SSW	4	c	51	95	7	5	-	2	7-8	7-8	1500	1	4
1014·4	−6	SW	6	dd	52	95	6	5	-	-	10	10	450	1	5

PAST 24 HOURS.

Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine .30th Hrs. (36)
48	40	30	-	-	6·2
49	40	36	-	Tr	6·6
49	40	28	-	Tr	6·8
48	38	31	-	-	5·9
51	43	39	-	-	7·1
47	39	30	-	0·1	6·7
49	32	27	-	0·1	6·1
47	39	30	-	0·1	6·0
46	38	36	-	-	3·2
48	41	37	Tr	-	5·9
46	41	37	-	Tr	5·7
45	40	38	-	-	5·7
47	38	33	-	Tr	*
47	43	37	-	-	4·7
50	48	*	-	-	*
51	49	46	-	-	5·7
51	48	*	-	-	*
52	49	*	-	-	6·9
52	45	39	-	-	5·9
51	48	*	-	0·3	3·5
51	48	48	Tr	2	1·0
50	47	42	-	-	3·3
47	45	39	-	1	2·7
47	40	*	-	1	4·8
49	46	44	-	-	3·0
50	47	42	-	-	3·6
50	48	46	-	0·6	0·4
50	50	47	Tr	0·4	0·1
51	49	45	4	5	0·0
45	44	44	12	15	0·0
51	49	*	Tr	1	0·8
51	45	*	11	8	0·0
46	43	39	1	14	0·0
49	48	46	Tr	0·1	0·0
49	45	*	-	0·2	*
50	44	*	1	2	0·0
53	46	*	0·3	6	*
52	46	*	0·3	5	0·0
51	45	45	1	5	0·0
53	49	46	Tr	1	0·5
54	50	46	2	6	0·0
51	50	*	0·6	2	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
Kew	18	bcm₀bz₀	bz₀	bxbcw	48	40	30	-	-	6·2	•	•	6
Croydon	217	cbcbm₀	bz₀	bm₀cw	49	40	36	-	Tr	6·6	•	•	7
Greenwich (Royal Observatory)	149	bm	bm₀	bwc	46	41	30	-	Tr	5·6	72	87	6
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	2·3	•	•	•
Westminster (St. James' Park)	27	•	•	•	49	41	36	-	-	5·2	67	86	•
Regents Pk. (Botanic Gardens)‡	168	•	•	•	48	43	39	-	0·3	3·5	66	84	•
Camden Square	110	b	b	•	47	42	36	-	-	•	•	85	•
Kensington	80	bz	bz	•	47	43	42	-	Tr	5·4	At 18h. 82	87	•
Hampstead Observatory	450	bc	bcm	bcm	46	40	33	-	Tr	5·5	•	90	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 31st

South Kensington.

Max	Time.	Min.	Time.
c 6	16-19hrs 30th	<0·3	1-4hrs 31st

Kew Observatory.

Max.	Time.	Min.	Time.
0·4	15hrs 30th	<0·1	0-7hrs 31st

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 30th December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 31st December. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris	1029·9	WSW	2	b	39	1033·3	-	0	f	28	46	28	-	-
Brussels	1030·4	WSW	2	b	45	1031·7	SSW	3	z₀	34	46	34	-	-
Berlin	1030·5	S	1	m	36	1032·3	SW	2	z₀	37	37	34	0·4	-
Zürich	1033·5	NW	1	m	37	1034·6	NW	1	m	36	45	36	-	-
Rome	1030·1	E	2	o	52	1031·7	ENE	2	o	46	•	•	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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