M.O. Form 2373

THE DAILY WEATHER REPORT

BRITISH SECTION

1st October to 31st December

1930.

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

INTRODUCTION

The new form of the British Section of the Daily Weather Report, which was introduced on March 1, 1930, differs from the old one chiefly in the inclusion of a weather map of the Northern Hemisphere, and in certain modifications of the data presented in tabular form on pages 1 and 4. The width of the page has also been increased.

A limited issue of copies of a synoptic chart of the greater part of the earth's surface north of latitude 40° N. commenced in 1923. This chart was found to be of considerable utility in the Office, in extending the period to which the forecasts relate beyond 24 hours, and of much interest to teachers and others outside the Office who study daily weather maps. The increasing demand for such information, and the improvement in international co-operation, have led to the incorporation of this chart of the Northern Hemisphere in the Daily Weather Report (British Section).

Attention may be directed to the circumstance that the observations presented on this chart are not synchronous. The observations for most of Europe (excluding Russia) and neighbouring countries refer to 7h. G.M.T., exceptions being:—Bulgaria (5h. G.M.T.); Austria, Hungary, Greece, Turkey, Egypt, Sudan, Cyprus, Palestine, Syria (6h. G.M.T.); Azores (8h. G.M.T.). The Greenland observations shown are those made at 0h. G.M.T. with the exception of those for Mygbugten, which are for 7h. G.M.T. while those shown for North America are made at 1h. G.M.T. Up to and including April 30, 1930, observations from ships on the Atlantic refer to 7h. G.M.T. if made east of meridian 40° W. and to 0h. G.M.T. if made west of that meridian. From 1st May the hour of observation for ships east of 40° W. has become 6h. G.M.T. while that for ships west of 40° W. has remained 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 six hours earlier than most of those in the eastern sector. The observations shown for Russia and Siberia are made at 7h. *local time*, which implies that the absolute time to which the observations 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 inclusion of the Northern Hemisphere chart in the British Section of the Daily Weather Report has both necessitated and justified the reduction in the area covered by the chart of the British Isles and neighbouring regions (page 2) and has led to the omission of two small charts. In order to minimize the loss of the isallobar chart the barometric tendency has been entered on the chart for the British Isles.

The changes in the tabular matter have been necessitated by the use, as from March 1, 1930, of the new codes for meteorological telegraphy which were adopted at the meeting of the International Conference of Directors of Meteorological Services in Copenhagen during September, 1929. The columns of pages 1 and 4 affected are those containing data of barometric tendency, cloud form and amount, state of ground and state of sea. An explanation of the method of presentation of these and other data is to be found on the lower part of pages 1 and 4. The list of stations has been increased by the inclusion of Aldergrove (County Antrim), Cardington (Bedfordshire) and Manston (Kent).

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 Land Stations.	Limits of Mean Velocities Statute Miles per Hour.
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.

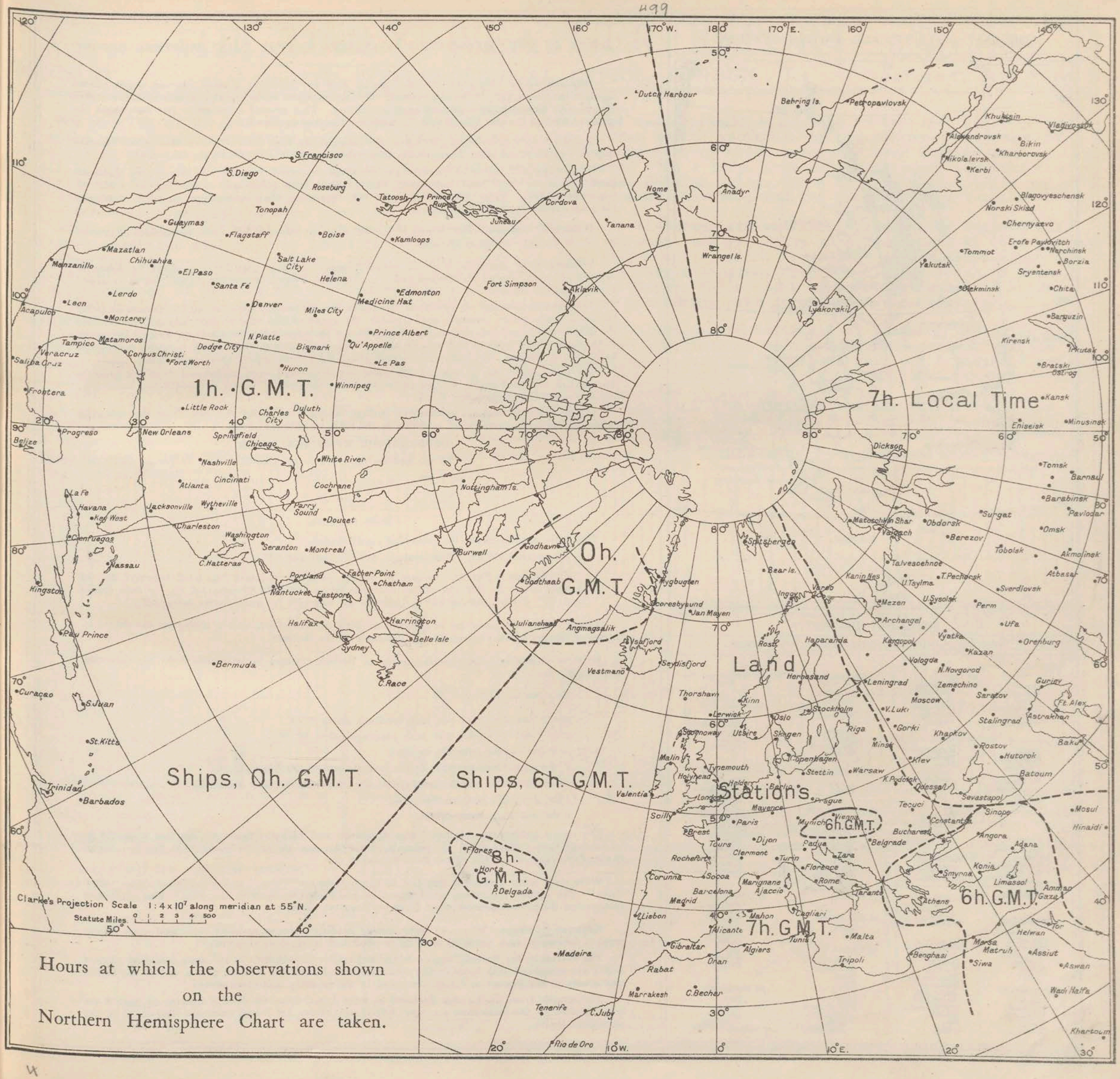
For gales commencing from East or West the North Cone will be hoisted if the gale is expected to change to a Northerly direction.

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

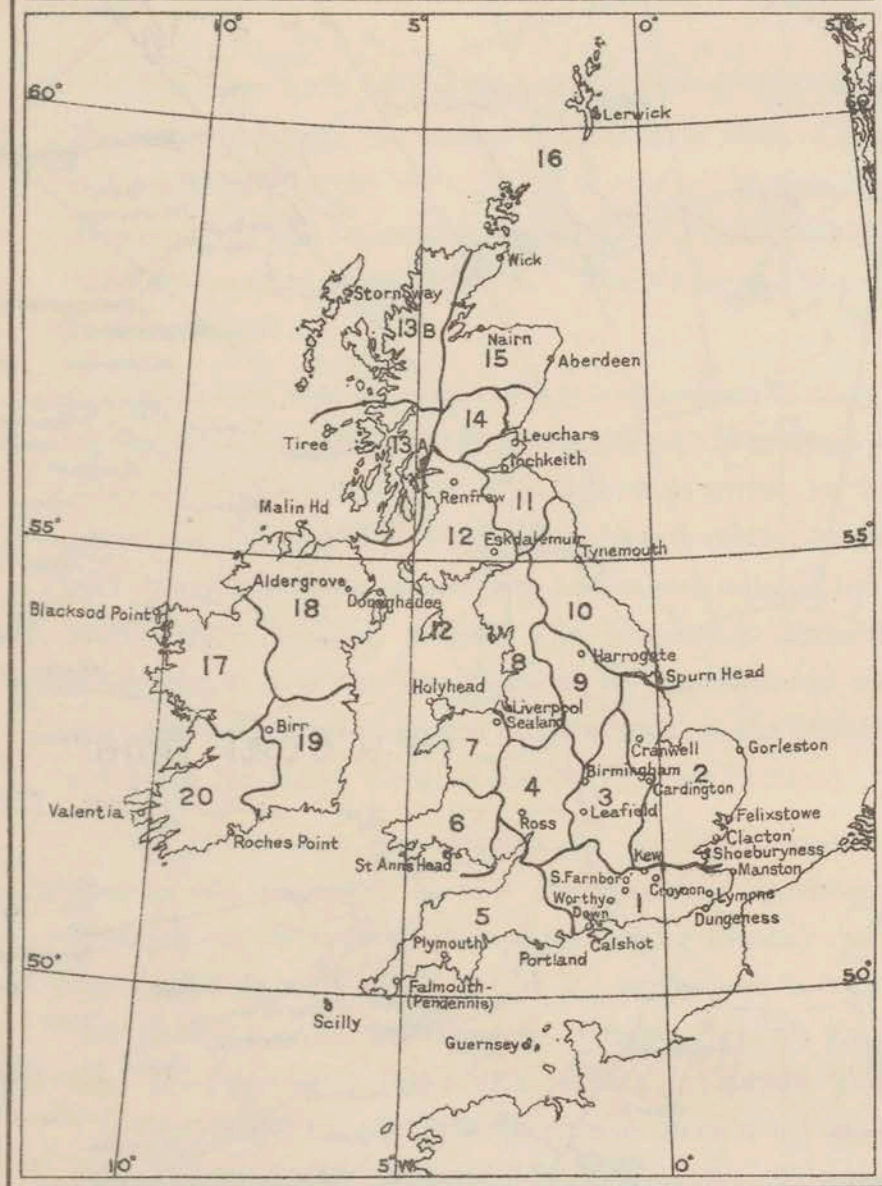
For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

The districts to which warnings are sent are shown in the report by the following symbols:—

▲ North Cone hoisted ▼ South Cone hoisted


1h. G.M.T.
7h. Local Time
Oh. G.M.T.
Land
Ships, Oh. G.M.T.
Ships, 6h. G.M.T.
Stations
8h. G.M.T.
6h. G.M.T.
7h. G.M.T.
6h. G.M.T.
Clarke's Projection Scale 1:4x10⁷ along meridian at 55°N.
Statute Miles 0 1 2 3 4 500
Hours at which the observations shown on the Northern Hemisphere Chart are taken.

FORECAST DISTRICTS AND BRITISH STATIONS



FORECAST DISTRICTS

and the Counties comprised within them.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

14. *Mid. Scotland.*
    Perth.

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

16. *Orkneys and Shetlands.*

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

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

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

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

NOTES ON THE INFORMATION CONTAINED IN THE DAILY WEATHER REPORT.

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

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

Stornoway.—Telegraphic reports are no longer received from the old Station at Matheson Road. Reports from the Coastguard Station have been published in the Report from 7th September, 1930 From the 2nd July to 6th September the observations at 0700, 1300 and 1800 were made at the Butt of Lewis

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

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

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

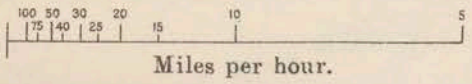
The scale below can be used to determine the theoretical wind as deduced from the pressure distribution on either chart. On the assumption that the path of the air is straight this theoretical wind is called the Geostrophic Wind.

If the distance between consecutive isobars is measured along the rule 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 × 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 pressure at the temperature of the dry bulb;

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

t the dry bulb temperature; and

t' the wet bulb temperature.

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

Wind.—All wind directions specified in the reports are "true," as distinguished from "magnetic." The arrows indicating wind direction are drawn to fly with the wind. The number of feathers on the arrows denotes wind force by Beaufort number.

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

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

The reports from the London Stations on page 1 and from the Health Resorts on page 2 are not subjected to the same close scrutiny, but if any errors are found these are also noted in the correction sheets

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AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

MONTHLY SUPPLEMENT, OCTOBER, 1930. Nº 166.

Notes on the Weather of the Month.

The weather of October was generally mild, very wet in the west and northwest, dry and sunny in the east and southeast The month opened with mainly anticyclonic conditions which were broken in the southwest by the northward movement of a depression off the coast of Portugal. On the 3rd small secondary depressions which developed over England gave fairly heavy rain in some parts. A period of unsettled weather ensued with a large area of low pressure covering the Atlantic and Northwest Europe and centres passing eastward across the British Isles. For a time rain fell daily and high winds or gales were experienced on the 5th. Bright periods occurred, however, and the 6th was sunny locally while on the 9th many stations recorded more than 9 hours sunshine.

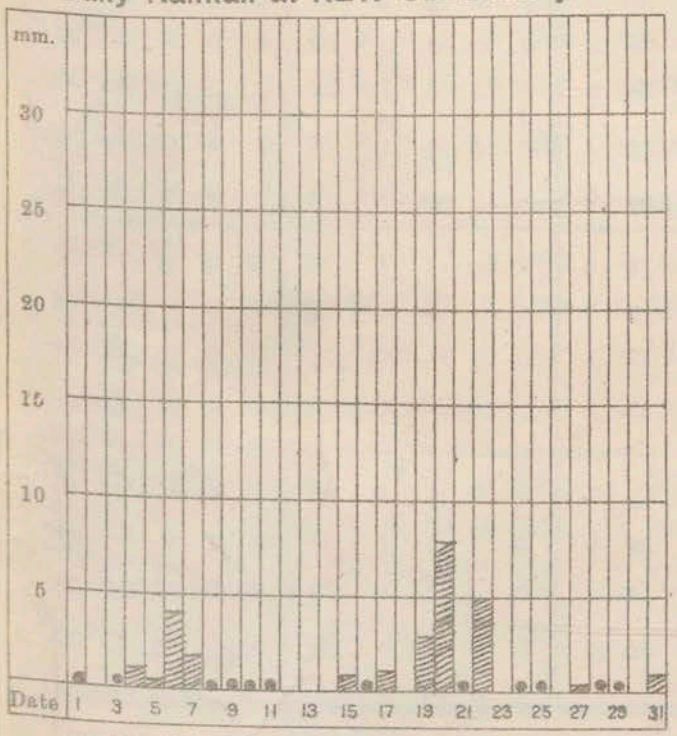
Subsequently an anticyclone over the Bay moved eastward to Central Europe and weather improved over England but continued unsettled with rain at times in Scotland and Ireland. Sunshine was generally good in England at this period

From the 15th - 17th conditions again became generally unsettled and very mild. A deep low was situated south of Iceland and secondary depressions moved from south to north over the United Kingdom. Tropical air was drawn in from the neighbourhood of Madeira and day temperatures exceeded 65° F. in places, while night temperatures remained above 55° F. Rain fell at times but there were also bright periods. Stormy conditions with strong winds or gales were experienced on the 18th and 19th.

A change of type occurred on 20th with polar air in the rear of a depression southeast of Iceland. Cooler, squally northwesterly winds and local showers prevailed with local thunder in the Midlands on the 20th. The coolest weather occurred from the 24th - 27th. A fresh burst of polar air brought squally showers with local hail and thunder. Sleet fell locally in Scotland and strong northwesterly winds and local gales prevailed on the 24th and 25th. Sunshine was mostly good particularly on the 26th, and severe ground frost was recorded locally on the 27th.

A new Atlantic depression brought a renewal of mild weather on the 28th giving cloudy weather with rain in the North and West but only a little drizzle in the South. On the 30th cold air again reached Scotland but it continued mild in England.

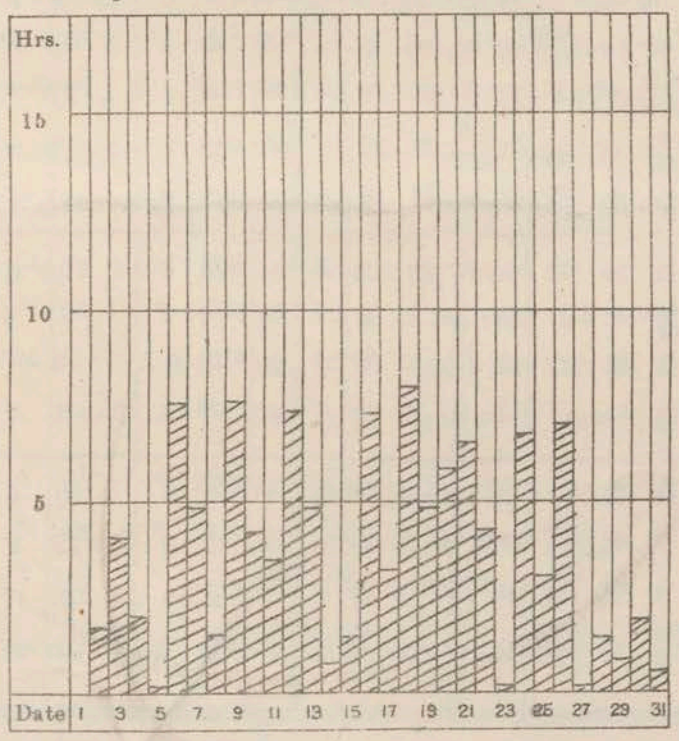
Daily Rainfall at KEW Observatory.



•=Less than 0·5 mm.

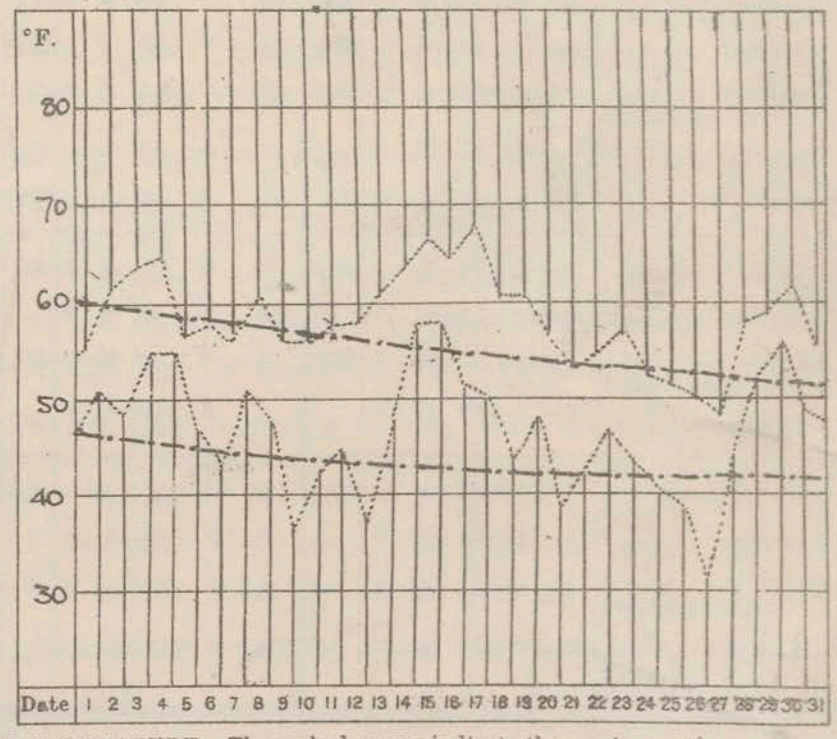
RAINFALL. Total for Month. 28 mm.

Daily Sunshine at KEW Observatory.



SUNSHINE. Total for Month. 115 hrs.

Daily Range of Temperature at KEW Observatory.



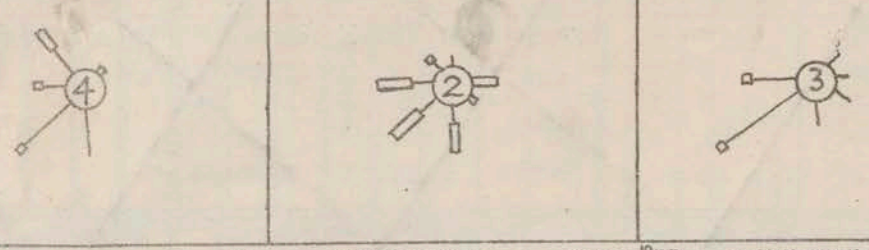
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

STATIONS.	PRESSURE Mean	PRESSURE Difference from average	TEMPERATURE Mean	TEMPERATURE Difference from average
	mb.	mb.	°F.	°F.
Aberdeen	1003·1	−7·9	48·3	+0·8
Valentia	1008·2	−4·4	53·2	+1·5
Kew.	1011·5	−2·5	52·7	+2·5

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

WIND FREQUENCIES AT 7 hr.



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

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

	miles.
Lerwick	12793
Aberdeen	6844
Valentia	11229
Kew.	5540

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

Stations.	†TEMPERATURE. Number of daily readings within fixed limits. Maximum. 33°–41°	42°–50°	51°–59°	60°–68°	69°–77°	Normal Max. °F.	Minimum. 24°–32°	33°–41°	42°–50°	51°–59°	60°–68°	Normal Min. °F.	Extremes—Warmest and Coldest. Days. Highest Max. °F.	Date.	Lowest Max. °F.	Date.	Nights. Highest Min. °F.	Date.	Lowest Min. °F.	Date.	Number of Ground Frosts.	LOW CLOUD. Number of observations within fixed limits. 7 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	13 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	18 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	FOG, MIST and GOOD VISIBILITY. Number of observations within fixed limits. 7 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	13 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.
Stornoway	0	11	19	1	0	52·2	0	9	20	2	0	41·2	60	15	46	{30 31}	54	15	33	31	*	0	31	0	0	30	0	0	29	0	0	0	0	0	27	0	0	0	0	26
Aberdeen ..	0	10	19	2	0	53·0	1	8	19	3	0	41·6	62	{4 16}	46	8	55	16	32	31	4	3	23	0	0	29	0	3	25	0	0	0	0	1	25	0	0	0	0	27
Inchkeith (Edin.)	0	7	21	3	0	*	0	6	21	4	0	*	63	15	46	{27 31}	58	15	38	27	0	6	19	5	7	19	5	12	11	6	0	0	0	0	28	0	0	0	1	29
Renfrew	0	7	21	3	0	*	2	8	17	4	0	*	62	15	45	27	58	15	29	27	8	1	30	0	1	29	1	3	28	0	0	0	0	1	18	0	0	1	0	23
Eskdalemuir ...	1	13	17	0	0	*	2	14	12	3	0	*	58	15	41	27	56	15	25	27	7	8	22	0	7	23	0	9	20	0	0	1	1	0	24	0	0	0	1	23
Dublin ... ... (Phœnix Park)	0	4	23	4	0	55·3	0	9	16	6	0	41·2	65	{14 15}	49	{24 26}	55	{14 15}	33	31	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle ...	0	3	25	3	0	55·0	0	6	18	7	0	40·7	64	14	48	24	57	15	35	9	4	0	27	0	0	30	0	0	28	0	0	0	0	0	28	0	0	0	0	27
Valentia ... ... (Cahirciveen)	0	0	26	5	0	56·4	0	0	15	16	0	46·6	63	3	51	24	57	14	43	20	0	9	22	0	9	22	0	11	20	0	0	0	0	0	26	0	0	0	1	26
Tynemouth ...	0	5	23	3	0	54·1	0	7	19	5	0	42·4	64	15	48	26	55	{15 16 30}	36	26	0	0	31	0	0	31	0	4	27	0	0	0	2	0	17	0	0	0	0	21
Holyhead	0	2	23	6	0	55·1	0	0	13	18	0	46·9	63	17	50	{26 31}	58	15	44	27	0	3	27	0	3	26	1	3	25	2	0	0	0	0	25	0	0	0	0	22
Liverpool... ... (Bidston)	0	5	21	5	0	54·1	0	1	24	6	0	44·8	62	{14, 15, 16, 17}	48	26	57	15	40	26	0	3	28	0	2	29	0	3	28	0	0	0	1	1	23	0	0	0	0	25
Cranwell	0	3	18	10	0	54·8	0	12	13	6	0	42·4	65	{3 16}	48	26	56	{16 30}	33	27	2	4	13	7	0	30	0	2	23	2	0	0	2	2	14	0	0	0	0	20
Gorleston ...	0	2	18	11	0	55·2	0	6	16	9	0	45·3	67	16	50	{26 27}	58	16	33	27	0	1	19	0	0	28	1	2	20	0	0	1	0	1	6	0	0	0	0	8
Ross-on-Rye ...	0	1	22	8	0	56·1	1	6	17	6	1	42·1	65	17	50	27	60	15	32	27	4	2	29	0	1	29	0	0	26	0	0	0	1	1	25	0	0	0	1	28
Leafield	0	2	23	6	0	*	0	12	14	5	0	*	63	{4, 15, 16}	45	27	54	30	34	27	3	4	19	2	3	22	5	3	22	5	0	1	0	1	26	0	0	0	0	30
London ... ... (Kew Obsy.)	0	2	17	12	0	56·2	1	5	15	10	0	43·5	68	17	48	27	58	{15 16}	32	27	4	1	19	0	0	24	5	0	25	2	0	1	1	0	17	0	0	0	0	24
Croydon	0	2	15	13	1	*	1	5	17	8	0	*	69	17	48	27	59	16	32	27	1	11	10	0	2	25	0	2	22	1	0	0	0	0	13	0	0	0	0	21
Shoeburyness ...	0	1	15	15	0	57·3	0	4	21	6	0	45·4	68	16	50	27	55	16	33	27	2	1	16	6	0	22	6	0	22	0	0	0	2	0	18	0	0	0	0	26
Lympne	0	3	18	10	0	*	0	7	16	8	0	*	66	17	48	{26 27}	59	16	33	27	3	8	12	0	1	23	3	2	20	1	0	2	1	1	11	0	0	0	0	24
Calshot ... ... (Southampton)	0	0	16	15	0	*	0	4	15	12	0	*	65	4	52	{26 27}	58	{4 15 16}	33	27	2	2	26	0	1	28	1	2	26	1	0	0	0	1	23	0	0	0	0	24
Falmouth ... (Pendennis)	0	0	28	3	0	*	0	0	12	19	0	*	61	{14 17}	53	{25 26}	58	15	46	{10 21}	*	1	30	0	1	30	0	1	30	0	1	0	0	0	25	0	1	0	0	23

UPPER AIR TEMPERATURE.

Pressure. mb.	Normal Height. Feet.	Normal Temperature. °F.	Duxford. Mean. °F.	Duxford. No. of Reports.	S. Farnborough. Mean. °F.	S. Farnborough. No. of Reports.	Mean. °F.	No. of Reports.
950	1760	46	48	37	49	9		
850	4740	40	38	37	40	10		
750	8040	31	30	36	30	10		
650	11,750	21	18	37	17	7		
550	15,960	6	4	36	4	6		

UPPER WINDS.

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

Station. Height. Feet.	Renfrew. No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75	Plymouth (Mt. Batten). No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75	Lympne. No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75	Holyhead. 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	37	5	21	11	-	-	37	2	14	17	4	-	75	1	44	25	5	-	56	7	22	20	7	-	2,000
5,000	8	1	5	2	-	-	4	-	2	2	-	-	39	3	16	18	2	-	21	1	10	8	2	-	5,000
10,000	3	-	3	-	-	-	-	-	-	-	-	-	7	2	2	3	-	-	5	-	1	4	-	-	10,000
15,000	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	15,000

† The readings used, are, except in the case of Phœnix Park, the maximum for the period 7 h.–18 h., and the minimum for the period 18 h.–7 h. The normal values given above are based on extremes taken over the 24 hours.

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

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

SUNSHINE, RAINFALL, AND HUMIDITY OCTOBER, 1930.

SUNSHINE.

Stations.	Number of Days with duration					Maximum Duration.		Total for past 12 months.	Difference from average.	Total for Month.	Difference from average.	Highest and Lowest Totals on record for Month.				
	Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Hours.	Date.					First year of record.	Highest.	Year.	Lowest.	Year.
								Hours.	Hours.	Hours.	Hours.		Hrs.		Hrs.	
Stornoway ...	11	8	11	1	0	7·2	31	1314	+55	67	−19	1881	135	'98	34	'21
Aberdeen	6	8	7	10	0	8·8	16	1440	+53	117	+22	1881	139	'23	47	'86
**Inchkeith (Edin.)	7	10	2	10	2	10·0	6	1441	*	117	*	1923	116	'29	90	'24
Renfrew	10	8	8	3	0	8·0	26	1130	*	76	*	1921	102	'23	65	'21
Eskdalemuir ...	11	11	5	4	0	9·0	9	1109	−106	71	−18	1910	113	'20	57	'18
Dublin ... ... (Phœnix Park)	7	13	4	5	2	9·7	12	1450	−57	91	−13	1881	160	'91	59	'16
Birr Castle ...	8	11	9	3	0	8·9	12	1209	−134	75	−23	1881	138	'99	45	'16
Valentia ... ... (Cahirciveen)	8	15	5	3	0	9·0	9	1335	−110	66	−35	1880	166	'80	50	'16
Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead ...	7	10	6	7	1	9·4	1	1555	−51	98	−1	1914	128	'22	61	'16
Liverpool (Bidston)	5	12	8	6	0	8·7	12	1293	−163	97	+11	1908	116	'27	56	'15
Cranwell	2	9	9	10	1	9·1	10	1487	−61	137	+34	1921	147	'21	93	'27
Gorleston ...	1	9	8	11	2	9·9	10	1586	−119	147	+38	1908	183	'20	74	'18
Ross-on-Wye ...	5	11	6	7	2	9·9	12	1422	−64	111	+19	1914	205	'29	100	'27
Leafield	3	12	7	7	2	9·3	12	1448	*	118	*	1924	112	'29	89	'24
London ... ... (Kew Obsy.)	1	12	10	8	0	8·1	18	1449	−26	115	+23	1880	153	'21	50	'94
Croydon	2	12	9	8	0	8·3	6	1471	*	120	*	1922	120	'22	76	'24
Shoeburyness ...	0	11	8	12	0	8·8	10	1728	*	148	*	1919	191	'20	87	'24
Lympne	2	11	5	13	0	8·6	6	1741	*	142	*	1921	184	'21	93	'23
**Calshot ... ... (Southampton)	2	10	8	10	1	9·6	9	1745	*	137	*	1881	178	'21	62	'15
Falmouth ... (Observatory)	5	13	7	5	1	9·8	9	1695	−64	97	−19	1881	159	'19	81	'86 '24

RAINFALL.

Stations.	‡Number of days with amount						Maximum fall in 24 hrs.		Total for past 12 months.	Difference from Average.	Total for Month.‡	Difference from Average.	Highest and Lowest Totals on record for Month.				Days with Thunder.	Days with Snow or Sleet.
	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.	mm.	Date.					First year of record.	Highest.	Year.	Lowest.	Year.	
									mm.	mm.	mm.	mm.		mm.		mm.		
Stornoway ...	5	2	8	14	2	0	18	17	1195	−71	184	+52	1870	259	'74	47	'15	*	*
Aberdeen	7	10	8	5	1	0	17	8	904	+156	77	+1	1871	161	'95	18	'99	0	0
**Inchkeith (Edin.)	11	8	8	4	0	0	10	8	646	+92	51	−7	1870	183	'07	15	'04	0	0
Renfrew	4	5	9	11	2	0	18	12	1236	+311	152	+68	1921	170	'28	51	'22	0	0
Eskdalemuir ...	3	3	8	8	7	2	39	15	2024	+595	297	+160	1910	300	'28	46	'14	0	1
Dublin ... ... (Phœnix Park)	7	4	14	6	0	0	12	17	1097	+392	83	+16	1877	201	'80	17	'04	0	0
Birr Castle ...	5	6	12	7	1	0	17	19	1076	+247	118	+44	1872	185	'70	16	'69	0	0
Valentia ... ... (Cahirciveen)	3	3	10	11	3	1	28	19	1886	+472	190	+48	1870	272	'16	51	'05	0	0
Tynemouth ...	14	7	6	4	0	0	13	8	733	+112	48	−28	1915	106	'19	31	'22	0	0
Holyhead ...	7	4	8	8	4	0	18	3	1151	+263	155	+54	1871	265	'72	37	'79	0	0
Liverpool (Bidston)	7	6	11	6	1	0	15	3	945	+236	101	+18	1867	187	'63	7	'22	0	0
Cranwell	16	7	5	3	0	0	8	3	782	+192	40	−33	1917	114	'24	25	'22	0	0
Gorleston ...	14	10	6	1	0	0	6	6	769	+147	26	−48	1871	219	'92	7	'20	2	0
Ross-on-Wye ...	10	8	11	1	1	0	17	15	1075	+357	63	−20	1881	216	'07	13	'30	2	0
Leafield	11	9	10	1	0	0	5	22	909	+215	39	−38	1924	113	'28	46	'27	0	0
London ... ... (Kew Obsy.)	16	8	5	2	0	0	8	20	735	+129	28	−41	1871	150	'91	11	'21	0	0
Croydon	17	5	8	1	0	0	6	17	864	+185	30	−46	1921	148	'23	17	'21	0	0
Shoeburyness ...	19	6	5	1	0	0	6	22	627	+147	20	−37	1920	105	'23	13	'21	1	0
Lympne	14	8	6	3	0	0	11	20	950	+226	41	−58	1920	182	'28	7	'21	0	0
**Calshot ... ... (Southampton)	9	11	7	4	0	0	15	7	866	+220	64	−30	1871	281	'03	17	'21	0	0
Falmouth ... (Observatory)	6	3	13	7	2	0	19	15	1528	+421	124	−2	1871	274	'24	41	'19	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 %
Aberdeen ...	0	2	12	7	9	1	0	0	0
Renfrew ...	0	9	6	13	3	0	0	0	0
Eskdalemuir	0	7	11	9	3	1	0	0	0
Valentia ...	5	4	6	14	2	0	0	0	0
Ross-on-Wye	1	2	11	10	6	1	0	0	0
London (Kew)	0	1	6	8	15	1	0	0	0
Falmouth (Obsy.)	7	5	13	3	3	0	0	0	0

STATE OF GROUND AT 18h.

No. of Days each type was recorded.

Stations.	0	1	2	3	4	5	6	7	8	9
Aberdeen ...	1	30	0	0	0	0	0	0	0	0
Renfrew ...	1	30	0	0	0	0	0	0	0	0
Eskdalemuir	0	31	0	0	0	0	0	0	0	0
Valentia ...	3	28	0	0	0	0	0	0	0	0
Ross-on-Wye	0	31	0	0	0	0	0	0	0	0
London (Kew)	2	29	0	0	0	0	0	0	0	0

CODE for State of Ground.

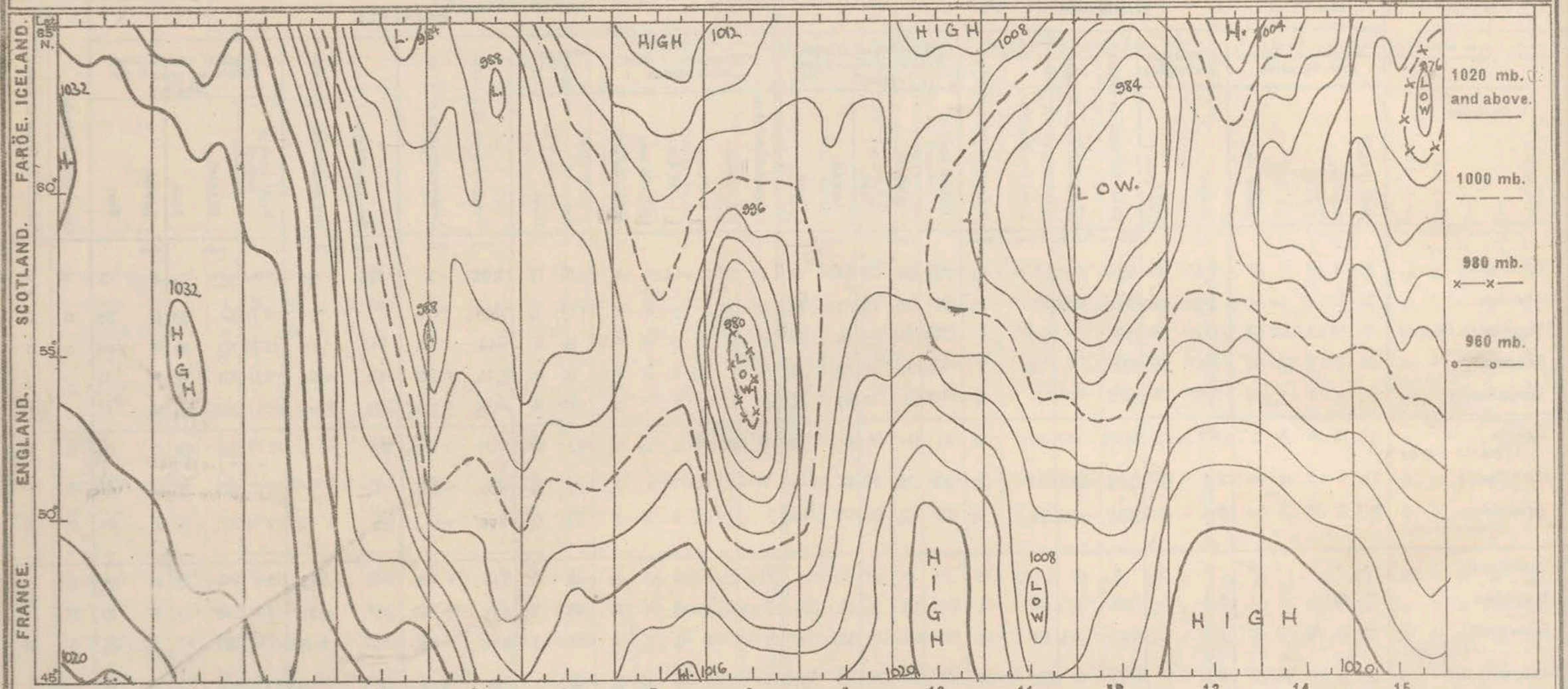
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

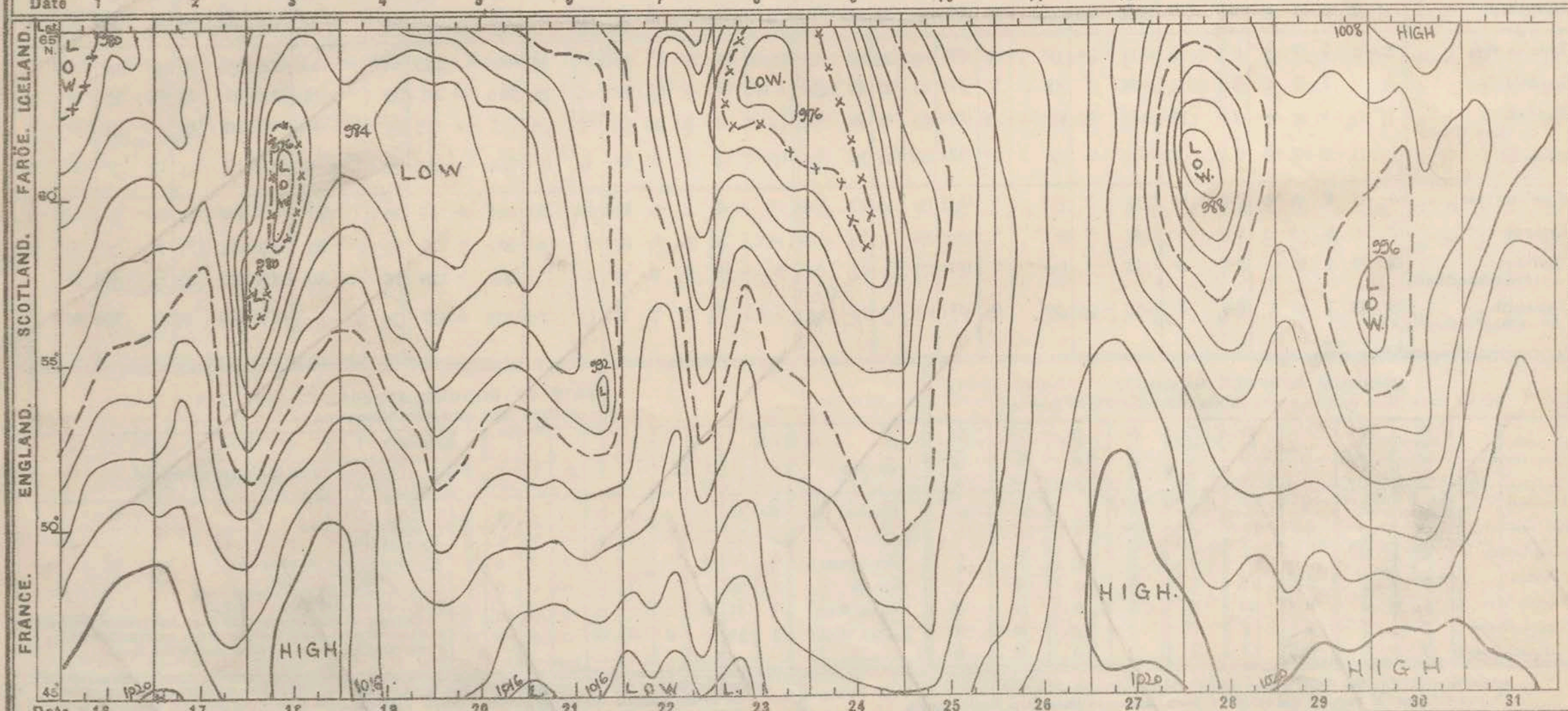
** In extremes of rainfall the short period returns from Inchkeith are supplemented by those from Leith, and extremes of rainfall and sunshine from Calshot by those from Southampton.

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

PRESSURE: ICELAND TO GULF OF LIONS OCTOBER, 1930.

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

Po 2527/2154 Wt 981 D.6005. Gp.508. 1040. 11/30.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

1st October 1930.

No. 25,150

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

STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
Lerwick	1027.9	+6	ENE	4	c	51	75	8	8	-	-	7-8	7-8	1500
Stornoway	1028.3	+2	ENE	2	c	52	85	9	4	-	-	9+	9+	4000
Wick	1027.6	0	NE	3	c	51	95	8	3	-	-	9	9	1500
Tiree	1026.6	-2	NNE	2	bc	57	75	9	4	-	-	4-6	4-6	2500
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1026.4	0	N	3	ir.	53	85	8	6	-	-	9+	9+	1500
Malin Head	1025.4	0	E	3	bc	54	85	8	7	-	-	2-3	2-3	2500
Renfrew	1026.2	-6	NE	3	c	56	75	8	7	-	-	7-8	7-8	4000
Inchkeith (Edin.)	1025.9	+2	NE	3	c	53	96	8	5	2	-	2-3	10	5700
Leuchars	1025.9	-2	NE	3	c	55	75	8	7	-	-	10	10	2500
Eskdalemuir	1025.1	0	ENE	3	c	54	75	8	5	-	-	9+	9+	1500
Tynemouth	1026.4	+4	N	2	bc	53	85	8	8	-	-	4-6	4-6	2500
Blacksod Point	1024.1	-4	E	4	o	55	75	8	5	-	-	10	10	800
Aldergrove	1025.2	+2	ENE	2	c	54	75	8	5	-	-	9+	9+	2500
Donaghadee	1024.9	+2	E	2	bc	56	75	8	5	3	-	4-6	4-6	4000
Birr Castle	1023.2	0	NE	1	c	55	85	7	5	-	-	9+	9+	2500
Holyhead	1022.8	+2	NE'E	5	b	56	75	7	5	-	-	Tr.	Tr.	4000
Liverpool (Bidston)	1023.3	+2	ENE	2	m.	56	75	5	5	-	-	9+	9+	1500
Chester (Sealand)	1023.0	+2	E'N	2	z.	58	75	6	5	-	-	9	9	2500
Harrogate	1025.0	0	N'E	3	b	54	75	7	1	-	-	1	1	4000
Spurn Head	1022.9	+2	NNE	4	c	55	85	7	4	2	-	7-8	9+	4000
Birmingham	1022.4	+2	ENE	4	m.	55	85	5	6	2	-	4-6	9+	1500
Cranwell	1022.6	+10	NE'N	5	c	58	85	8	8	3	-	4-6	7-8	1500
Gorleston	1020.7	+6	N'E	3	bc	59	85	6	1	-	-	2-3	2-3	4000
Valentia Obs.	1020.4	-8	NE	4	bc	56	75	8	5	-	-	4-6	4-6	2500
Roches Point	1020.9	-2	NE	3	c	53	65	8	3	-	-	7-8	7-8	2500
Pembroke	1020.8	0	E	3	c	57	95	7	2	8	-	4-6	7-8	2500
Ross-on-Wye	1021.5	+4	ENE	3	m.	55	85	5	5	-	-	10	10	800
Leafield	1021.4	+6	NNE	3	c	56	85	7	9	-	-	9	9	1500
Cardington	1021.3	+2	NE'N	3	c	59	75	7	8	-	1	7-8	9	1500
Winchester	1021.0	+10	NE	3	bc	59	75	7	2	-	8	4-6	4-6	2500
S. Farnborough	1020.7	+6	NE	2	c	60	75	6	2	-	6	4-6	7-8	1500
London (Kew)	1021.4	+6	E	2	c	59	65	6	4	2	9	4-6	7-8	2500
Croydon	1021.2	+10	E	2	m.	58	75	6	2	3	9	4-6	4-6	4000
Manston	1020.3	+6	NNE	3	c	59	85	6	5	2	-	9	10	4000
Shoeburyness	1021.3	+6	NNE	3	bc	62	75	8	1	6	≡	1	4-6	7200
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	1021.2	+10	NE'E	3	c	63	75	8	7	3	-	7-8	7-8	4000
Scilly (St. Mary's)	1018.2	-4	E'N	4	bc	60	95	7	2	3	-	2-3	4-6	4000
Falmouth	1019.6	+6	NE	5	bc	58	85	8	2	6	-	2-3	4-6	4000
Plymouth	1019.2	0	E	4	b	59	75	7	1	4	-	1	1	4000
Portland Bill	1019.8	+6	ENE	4	bc	60	75	8	8	-	-	4-6	4-6	2500
Calshot, S'hampton	1020.2	+2	ENE	1	bc	65	55	7	2	-	-	4-6	4-6	2500
Dungeness														
Lympne	1020.0	+2	N'E	3	m.	57	85	6	5	-	-	9+	9+	5700
Guernsey	1018.9	+4	E	1	bc	60	75	7	5	4	-	1	2-3	2500

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

STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
Lerwick	1028.3	+4	ENE	3	c	48	75	8	5	7	-	4-6	9	1500	0	*
Stornoway	1029.0	+6	NE	3	c	51	95	9	5	6	-	7-8	9	4000	0	2
Wick	1028.3	+4	NE	4	c	50	96	8	3	-	-	9	9	1500	0	3
Tiree	1027.4	+8	NE	3	c	54	75	9	5	4	-	9	9	2500	0	2
Nairn	1028.3	*	E	2	c	50	95	7	8	-	-	7-8	7-8	1500	1	*
Aberdeen	1028.0	+12	N	3	ir.	50	95	8	6	-	-	9+	9+	800	1	1
Malin Head	1026.1	+8	E	4	c	55	85	7	4	8	-	9	9	2500	0	1
Renfrew	1027.5	+10	ESE	1	m	52	85	4	5	-	-	10	10	2500	1	*
Inchkeith (Edin.)	1026.7	+4	ENE	3	ir.	52	95	6	5	-	-	10	10	800	1	2
Leuchars	1027.4	+14	NNE	2	o	53	85	8	5	-	-	10	10	2500	1	*
Eskdalemuir	1026.9	+10	NNE	3	o	49	85	8	5	-	-	10	10	1500	1	*
Tynemouth	1025.7	+10	NNE	2	c	51	95	7	6	-	-	7-8	7-8	1500	1	2
Blacksod Point	1024.4	+4	E	3	c	55	65	8	4	7	-	4-6	7-8	1500	0	3
Aldergrove	1026.1	+10	NE'N	1	c	53	85	7	5	-	-	9+	9+	2500	1	*
Donaghadee	1025.6	+6	E	1	bc	55	85	8	4	3	-	4-6	4-6	4000	0	1
Birr Castle	1023.3	+4	NE	1	b	55	75	8	-	3	-	0	1	-	0	*
Holyhead	1023.6	+6	NE'E	4	bc	55	85	7	-	8	1	0	4-6	-	0	2
Liverpool (Bidston)	1024.1	+2	ENE	2	f-	56	75	3	5	-	-	10	10	4000	0	*
Chester (Sealand)	1023.9	+10	E'S	1	m.	53	85	5	5	-	-	7-8	7-8	2500	0	*
Harrogate	1025.9	+10	NNE	2	c	50	85	6	6	-	-	9+	9+	2500	1	*
Spurn Head	1024.1	+4	N	4	c	53	95	7	4	2	-	7-8	9	4000	0	4
Birmingham	1024.2	+8	E	4	bc	53	85	5	1	3	-	1	2-3	1500	1	*
Cranwell	1024.7	+14	NE	2	b	51	85	7	5	-	-	1	1	2500	1	*
Gorleston	1022.5	+10	N'E	4	c	58	85	7	9	-	-	9+	9+	1500	0	2
Valentia Obs.	1020.9	+6	E'S	3	c	57	65	8	5	-	-	7-8	7-8	2500	0	2
Roches Point	1020.5	+6	NE	3	bc	56	85	8	5	-	-	4-6	4-6	2500	0	2
Pembroke	1021.4	0	E	1	b	56	95	7	-	-	1	0	Tr.	-	0	1
Ross-on-Wye	1022.5	+6	ENE	2	z.	55	85	6	5	-	-	9	9	2500	1	*
Leafield	1023.0	+6	NNE	3	b	51	95	7	7	4	-	Tr.	Tr.	4000	1	*
Cardington	1023.0	+12	NE'N	4	c	55	85	7	5	-	8	7-8	7-8	2500	0	*
Winchester	1022.1	+10	-	0	m.	54	85	6	-	1	8	0	4-6	-	0	*
S. Farnborough	1021.8	+8	NE	1	c	55	85	6	5	-	-	9	9	5700	1	*
London (Kew)	1022.3	+10	NE	2	m	58	75	4	-	1	-	0	2-3	-	1	*
Croydon	1021.9	+10	E	1	m.	56	85	5	-	3	-	0	4-6	-	1	*
Manston	1022.0	+14	NNE	3	bc	56	85	6	5	-	-	4-6	4-6	4000	0	*
Shoeburyness	1022.8	+10	ENE	3	c	57	85	7	4	ω	-	7-8	7-8	4000	0	*
Clacton-on-Sea	1022.5	+14	ENE	3	c	58	85	7	5	-	-	7-8	7-8	1500	0	2
Felixstowe	1022.7	+14	NNE	2	c	53	95	6	5	-	-	7-8	7-8	5700	0	1
Scilly (St. Mary's)	1018.7	+6	E	4	bc	56	95	7	7	2	-	2-3	2-3	4000	0	2
Falmouth	1020.3	+6	ENE	5	bc	57	85	7	7	-	-	2-3	2-3	4000	0	2
Plymouth	1020.4	+10	E	3	b	56	95	7	1	-	1	Tr.	Tr.	4000	1	1
Portland Bill	1021.0	+8	E'N	3	bc	59	86	7	5	4	-	4-6	4-6	1500	0	3
Calshot, S'hampton	1021.4	+10	ESE	1	bc	58	85	6	2	8	-	1	2-3	1500	0	1
Dungeness																
Lympne	1021.3	+6	NE'N	3	m.	56	95	6	7	/	-	2-3	4-6	4000	0	*
Guernsey	1019.2	+2	ENE	4	bc	59	75	7	5	-	-	4-6	4-6	4000	1	3

PAST 24 HOURS. WEATHER.

STATIONS. (For heights see p. 4.)	7h.—13h. 30th. (37)	15h.—18h. 30th. (38)	18h.30th.to 1h. 1st. (39)	1h.—7h. 1st. (40)
Lerwick	cic.bcc	cbcc	bcc	c
Stornoway	c	c	cd.	cd.
Wick	cid.c	cid.c	c	c
Tiree	cbcv	bcc	c	c
Nairn	dc	cd.	cD	dc
Aberdeen	cir.	cir.	cir.c	cir.c
Malin Head	bc	bcc	cbcc	c
Renfrew	bcmbc	bcm.	cmc	cc
Inchkeith (Edin.)	c	co	oir.	Oir.
Leuchars	bcwc	cid.cw	cw	cw
Eskdalemuir	cpr.c	c	cbccid.	c
Tynemouth	cbc	bccp.	cp.	co
Blacksod Point	c	c	bc	bc
Aldergrove	c	cbcc	cbcbwx	bcwcd.
Donaghadee	cbc	bc	bcc	cq
Birr Castle	ocd.c	cbcb	obc	bcc
Holyhead	b	bbc	bcbm.	bm.
Liverpool (Bidston)	bcom	om.fo	obf m.	mfebo
Chester (Sealand)	bcz.	cbcm.	bcm	bwcf
Harrogate	cb	bbcc	c	c
Spurn Head	bc	bc	cbc	cpr.
Birmingham	cpr.	c	bcb	bom
Cranwell	ocpr	bccb	bwcm.	oid.m.
Gorleston	cz.bc	bc	c	oir.
Valentia Obs.	cbcc	bcc	cbcb	bbc
Roches Point	c	cbc	bcbN	bbccw
Pembroke	cbcc	cm.	bm.	obc
Ross-on-Wye	ocom	czbcz	cz	cbwbc
Leafield	oc	cbc	bom.	c
Cardington	cm.bcc	cbc	cbcw	bcm.
Winchester	bcm.cbc	bcbzbcm.	bcm.bom.	om.cbcc
S. Farnborough	om.c	bcbz.	cbcw	bwcm.
London (Kew)	cm.bcm	bcz.bm	bm.om.	bm.wcm.w
Croydon	om.cbcm	bcbzbm.	bcm.oc	cbcwm.w
Manston	cm.cm.	cm.bcm.	bcm.c	ccw
Shoeburyness	ombc	bcc	c	c
Clacton-on-Sea	bc	bcc	cbcb	bbcc
Felixstowe	bcz.bc	cbc	czbcb	bwc
Scilly (St. Mary's)	c	bc	bcb	bbc
Falmouth	cirbcq	bcq	bcbq	bcm.q
Plymouth	bbc	b	b	bwcm.
Portland Bill	cbc	bc	bz	bbcc
Calshot, S'hampton	bcmy	bcm.	bbcwm.	bcxcwm. o
Dungeness				
Lympne	ofcm.	cbcm.	bcbcm	bbccm.
Guernsey	ocbc	bc	bczbc	bcco

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus,
R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, solar halo. ⓤ, lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

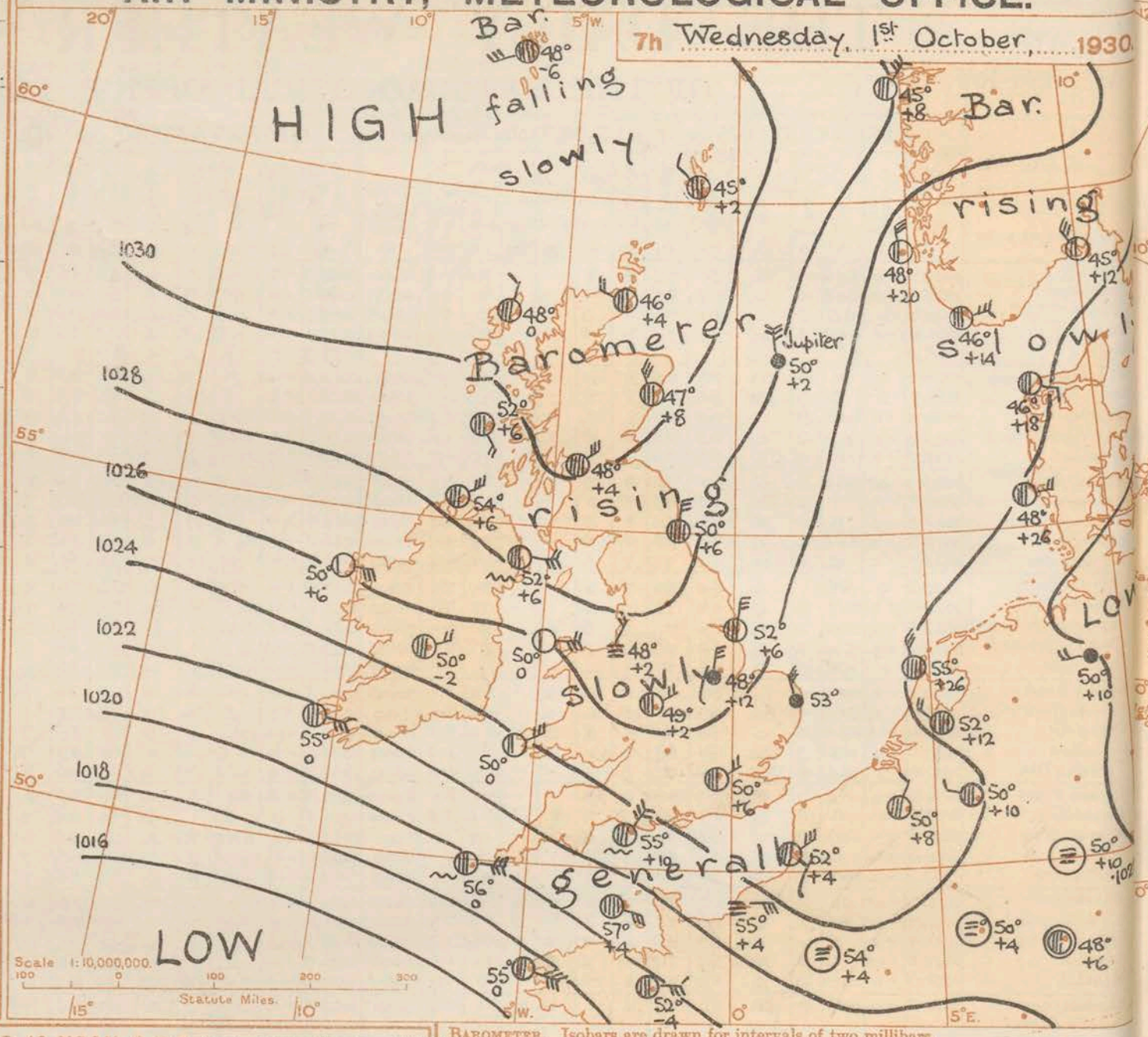
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

REPORTS from HEALTH RESORTS for 30th September 1930.

STATIONS.	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. 9h.29th. to 9h.30th.	TEMPERATURE. Max. 9h.—17h. 30th.	RAINFALL. Night. 17h.29th. to 9h.30th.	RAINFALL. Day. 9h.—17h. 30th.	SUNSHINE. Sunrise to 17h. 30th.	SUNSHINE. Sunrise to Sunset. 29th.
Dunbar ...	op₀f	op₀	49	53	2	Trace	0·1	0·0
Berwick-on-T. ...	c/₀	r₀bc	48	53	1	0·4	3·8	1·0
Douglas	b	b	50	58	-	-	6·7	0·6
Llandudno ...	cbc	bbc	48	58	-	-	4·5	0·1
Colwyn Bay ...	b0	bc0	45	57	-	-	4·3	0·0
Rhyl	bcam₀	cbam₀	43	58	-	-	2·0	0·2
Wallasey ...	bbcc	cbc	45	58	-	-	2·1	0·7
Southport . H	bbc	c0	43	60	-	-	7·0	0·0
Blackpool ...	bcb	bcc	43	61	-	-	4·9	0·2
Morecambe ...	b	b	46	60	-	-	10·1	0·0
Ilkley	cbc	cbcc	44	56	-	-	1·9	0·2
Cleethorpes ...	0	0	43	56	-	-	0·0	2·0
Mablethorpe ...								
Skegness... ...	b0bc	bc	43	63	1	-	3·5	0·0
Aberystwyth ...	czbz	bzbz	48	60	-	-	9·8	1·4
Bath	c	bcb	51	61	4	-	3·5	0·0
Cheltenham .†	oc	cocbc	49	59	0·3	-	1·2	0·1
Leamington Spa	obc	c	51	59	-	0·1	0·4	0·0
Lowestoft ...	cbcc	bbc	46	60	9	-	7·5	0·5
Dovercourt ...	rbc	bc	49	62	3	-	3·5	0·0
Maldon	ocb	bc	47	64	1	-	4·5	0·1
Southend ...	c	bc	49	63	Trace	-	3·4	3·2
Ilfracombe ...	ocb	cb	52	58	-	-	3·0	0·4
Bude	oc	bcb	51	61	Trace	-	5·8	0·2
St. Ives ...	c	b	52	60	0·5	-	5·4	0·0
Penzance ...	c	cb	53	61	-	-	4·5	0·3
Torquay	cb	cb	49	61	Trace	-	6·5	0·3
Jersey	bc	bc	49	63	-	-	9·3	1·3
Weymouth ...	b	b	48	62	Trace	-	8·8	0·0
Bournemouth ...	b	bcc	47	62	1	-	7·5	0·0
Ventnor	orbz	bz	50	61	2	-	9·9	1·6
Southsea ...	b	bbc	48	64	-	-	8·4	0·4
Bognor Regis ...	bc	bcb	48	64	0·3	-	9·0	0·2
Littlehampton ...	bc	bc	46	63	1	-	8·6	0·1
Worthing ...	bcb	bcb	46	63	3	-	8·5	0·2
Brighton... ...	bcb	bc	45	63	Trace	-	7·1	0·6
Eastbourne .†	cbc	bcbc	45	61	-	-	7·4	3·1
Hastings †	cmbbc	bcc	45	61	0·3	-	5·6	3·8
Folkestone ..	wbc	bcbc	50	60	-	-	3·3	4·8
Dover	bcc	cp	48	59	-	Trace	2·7	4·8
Deal	fbcc	0	46	60	-	-	1·7	4·7
Tunbridge Wells	cbcc	cbc	45	61	Trace	-	6·2	1·0
Ramsgate ...	bcc	c	48	59	-	-	1·6	4·1
Margate	bc	bcbc	49	60	-	-	1·9	4·2

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 1st October, 1930.
1. S.E. England 2. E. England... 3. E. Midlands	Moderate northeasterly to easterly winds, fresh perhaps at times later; cloudy, occasional drizzle; moderate temperature; local mist, perhaps fog, at night and in early morning
4. W. Midlands 5. S.W. England	Fresh or strong easterly winds, stronger locally on coasts; cloudy, some rain at times or drizzle, moderate temperature.
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Moderate or fresh easterly winds; mainly cloudy; moderate temperature; local mist, perhaps fog, at night and in early morning.
10. N.E. England 11. S.E. Scotland	Moderate northerly or northeasterly winds; cloudy, some drizzle at times; moderate temperature; local mist, perhaps fog, at night and in early morning.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland	Light or moderate variable or easterly winds; mainly cloudy, perhaps occasional drizzle; moderate temperature; local mist or fog at night and in early morning.
15. N.E. Scotland 16. Orkneys and Shetlands.	Light or moderate variable wind; mainly cloudy, probably occasional rain; moderate temperature; local mist or fog at night and in early morning.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 6 - 9.

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

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

GENERAL INFERENCE.

A large anticyclone south of Iceland is slowly diminishing in intensity while a depression off the Bay of Biscay is likely to move slowly northeastward. Weather will be mainly cloudy generally with occasional rain or drizzle in eastern districts and later in southern ones.

FURTHER OUTLOOK.

None issued.

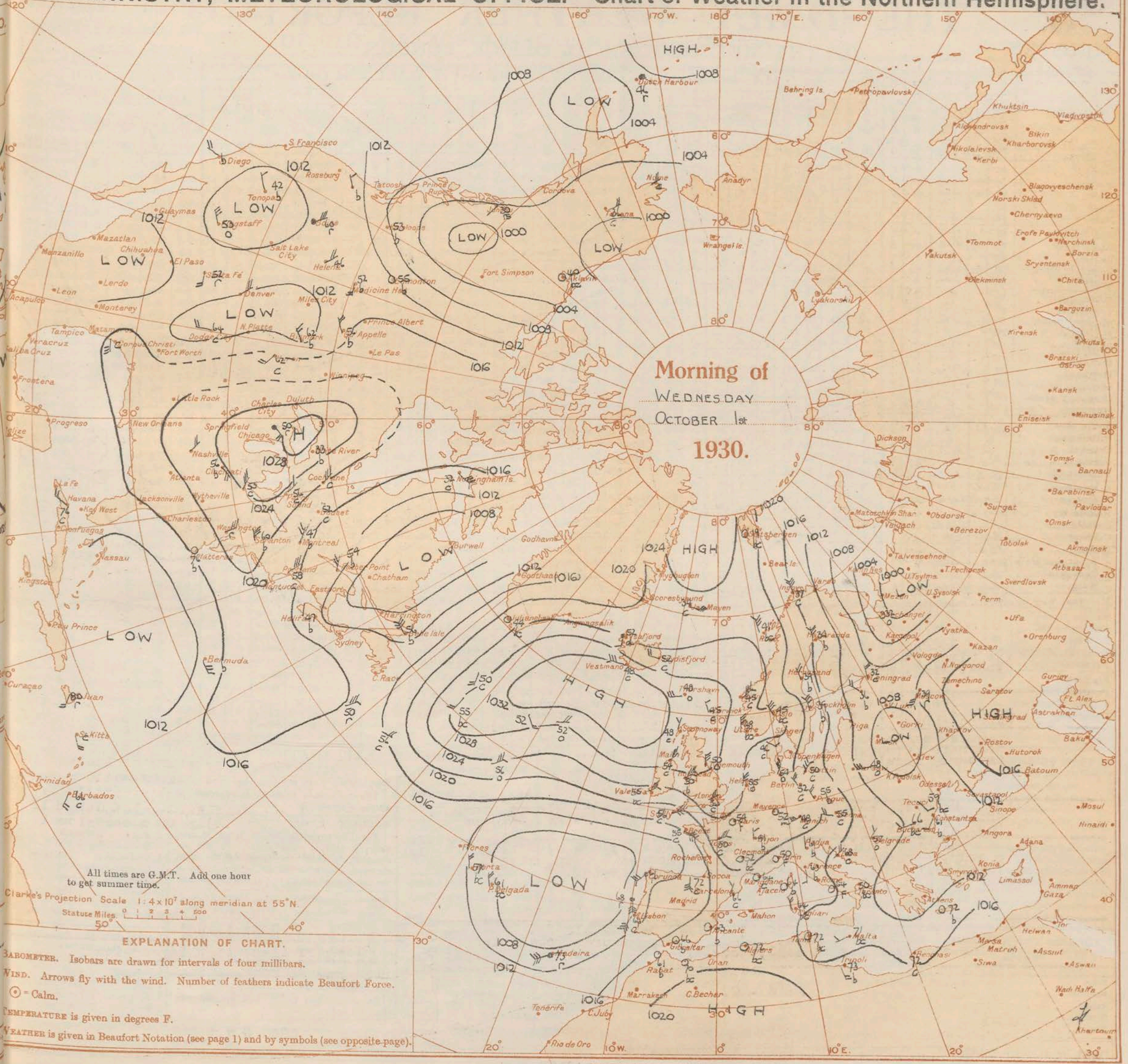
"Time of issue of gale warning".

South Cone at 0925 on 1st in 5.

Forecasts issued at 0900 G.M.T.

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

⊙ = Calm.

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

1st October 1930.

No. 25,150.

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

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)
Lerwick	54	1029·9	0	N	2	c	46	75	8	5	1	—	4-6	7-8	1500
Stornoway ...	34	1030·3	+6	ENE	2	id$_o$	50	95	7	3	—	—	10	10	4000
Wick	81	1030·5	+6	NE	3	c	49	85	8	8	—	—	10	10	1500
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head ...	51	1027·9	+6	ENE	3	c	54	95	7	4	1	—	4-6	9	4000
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	1029·6	+8	NE	3	o	50	95	8	5	—	—	10	10	800
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir ...	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth ...	67	1027·6	+6	NNE	2	c	51	85	8	6	—	—	7-8	7-8	1500
Blacksod Point ...	10	1026·0	+4	E	4	bc	50	85	7	5	—	—	2-3	2-3	1500
Aldergrove ...	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee ...	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle ...	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead... ...	26	1025·6	+4	E'N	4	b	51	85	6	—	—	—	0	0	—
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate... ...	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head ...	29	1025·7	+4	NE'N	2	bc	52	95	8	3	—	—	2-3	2-3	2500
Birmingham ...	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	1026·6	+8	NW'N	2	c	46	98	6	5	—	—	10	10	2500
Gorleston	14	1024·6	+2	NW'N	2	c	53	85	7	—	2	—	0	10	—
Valentia Obs.† ...	30	1012·2	−6	E	2	b	52	95	8	—	—	—	0	0	—
Roches Point ...	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke... ...	150	1023·1	+4	ENE	3	bc	52	85	6	1	—	1	1	2-3	2500
Ross-on-Wye ...	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington ...	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester ...	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew) ...	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1025·1	+10	NE	3	c	52	95	6	5	—	—	9	9	2500
Manston	135	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness ...	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea ...	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe ...	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1019·8	0	E	5	b	55	96	7	—	—	—	0	0	—
Falmouth... ...	200	1021·1	+6	NE	5	b	55	95	7	—	—	—	0	0	—
Plymouth... ...	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill ...	32	1022·4	+2	NE	4	b	55	85	6	—	—	—	0	0	—
Calshot, S'hampton	8	1023·9	+8	NNE	2	bc	54	86	5	7	5	—	2-3	4-6	2500
Dungeness ...	20														
Lympne	347	1024·0	+4	NE	3	b	52	95	7	—	—	—	0	0	—
Guernsey	173	1020·8	0	ENE	3	bc	58	85	6	5	—	—	4-6	4-6	4000

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

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1030·6	+2	NW	1	c	45	75	8	5	2	—	4-6	10	1500	0	*
1030·3	0	NNE	1	cjp	48	95	8	5	—	—	9+	9+	4000	1	1
1031·6	+4	WNW	2	c	46	95	8	6	1	—	7-8	9 10	1500	0	3
1029·8	+6	SSE	2	c	52	85	9	5	7	—	9+	10	2500	0	1
1031·4	•	E	1	c	46	95	6	6	—	—	9	9	1500	1	*
1031·0	+8	NNW	3	c	47	85	8	5	—	—	9+	9+	4000	1	1
1028·5	+6	E'N	3	c	54	85	7	4	2	—	7-8	9+	2500	0	1
1030·5	+4	NE	3	c	48	75	7	5	—	—	10	10	2500	1	*
1029·7	+6	NE	4	o	49	75	8	5	—	—	10	10	800	0	2
1030·5	+2	N	2	c	47	85	8	5	—	—	9+	9+	4000	1	*
1030·1	+6	NE'N	3	c	45	85	7	5	—	—	10	10	2500	1	*
1028·8	+6	NNE	3	o	50	85	8	6	—	—	10	10	1500	0	3
1026·1	+6	E	3	b	50	85	8	1	—	—	Tr.	Tr.	4000	0	3
1028·7	+6	NE	3	c	49	85	8	5	—	—	9+	9+	1500	0	*
1028·2	+6	E	5	q	52	85	8	5	—	—	7-8	7-8	2500	0	4
1025·1	−2	ENE	2	c	50	95	6	—	3	—	0	9	—	0	*
1025·9	0	E	5	b	50	95	6	2	3	—	Tr.	1	2500	0	2
1027·7	+2	NE	2	f	48	95	3	5	—	—	10	10	<150	0	*
1027·3	+6	ENE	3	of	45	95	3	5	—	—	10	10	2500	0	*
1028·8	+10	N	1	c	47	95	6	5	—	—	9+	9+	2500	1	*
1027·0	+6	NNE	3	c	52	85	7	4	—	—	9	9	4000	0	3
1027·3	+2	ENE	2	m	49	85	4	5	—	—	9+	9+	800	1	*
1027·6	+12	NNE	3	id$_o$	48	95	7	5	—	—	9+	9+	800	1	*
1025·3	+4	NNW	3	ir$_o$	53	95	6	6	—	—	10	10	2500	1	2
1021·5	0	E	4	bc	55	75	7	4	—	—	4-6	4-6	4000	0	2
1022·0	+6	E	4	c	56	95	8	3	—	—	7-8	7-8	1500	0	3
1023·5	0	ENE	3	bc	50	95	7	4	—	8	4-6	4-6	4000	0	1
1026·3	+4	—	0	c	46	95	6	5	—	—	9+	9+	2500	1	*
1026·0	+6	NNE	3	c	44	95	7	5	—	—	9+	9+	1500	1	*
1026·4	+2	NNE	2	o	49	95	6	5	—	—	10	10	1500	1	*
10257	+8	NE	3	c	46	95	7	5	—	—	9	9	800	0	*
1025·8	+4	NE	2	o	47	95	6	5	—	—	10	10	1500	1	*
1026·4	+6	ENE	2	c	50	85	5	5	—	—	9+	9+	2500	1	*
1026·2	+8	NE	1	z	48	95	5	5	—	—	10	10	1500	1	*
1025·1	+14	N'E	3	bc	52	85	7	5	—	—	4-6	4-6	2500	0	*
1026·2	+6	NNE	2	c	50	85	8	5	—	—	9+	9+	1500	0	*
1025·6	+6	N	3	c	50	85	7	5	—	—	7-8	7-8	800	0	2
1026·2	+8	NNW	2	c	50	95	7	5	—	—	10	10	2500	1	0
1019·0	0	E	6	c	56	95	6	2	3	9	2-3	7-8	4000	0	4
1020·0	0	ENE	7	c	56	95	6	5	2	—	4-6	10	4000	0	4
1021·9	+4	E	5	c	56	95	6	6	—	1	9+	9+	450	1	1
1022·7	+10	NE	5	c	55	85	7	5	2	—	7-8	9+	1500	0	4
1024·5	+6	NE'N	4	c	51	85	6	5	7	—	4-6	9+	2500	0	2
•	•	NNE	3	c	•	•	6	4	—	•	7-8	7-8	2500	•	2
1024·9	+4	NNE	3	c	50	95	6	5	—	—	7-8	7-8	2500	1	*
1021·2	+4	ESE	3	o	57	85	6	5	—	—	10	10	2500	0	3

PAST 24 HOURS.

Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 30th Hrs. (36)
51	45	*	Tr.	—	3·2
55	47	*	-	Tr	0·5
52	46	*	0.4	—	
57	52	47	-	—	8·0
52	46	*	0.5	2	0·3
54	47	45	0.2	0·1	1·4
55	53	*	-	—	5·0
56	48	46	-	—	3·3
56	48	45	Tr.	0·5	2·9
56	47	45	Tr.	—	1·7
54	44	41	Tr.	0·1	1·0
54	50	47	0·2	0·4	•
56	49	*	-	—	•
57	42	29	-	Tr.	2·1
58	51	*	-	—	•
57	46	35	Tr.	—	2·5
57	49	43	-	—	8·5
57	45	42	-	Tr.	1·6
59	38	31	-	—	1·6
55	47	46	-	—	2·8
57	50	*	-	0·1	1·0
56	46	40	Tr	—	0·0
59	41	36	Tr.	0·3	2·1
61	50	49	-	0·2	8·5
59	52	47	-	—	3·8
59	52	*	-	Tr	•
60	46	*	-	—	5·9
59	44	38	-	—	1·2
59	41	38	-	—	2·4
61	46	39	-	Tr	3·2
61	46	40	-	—	7·3
61	47	44	-	—	3·1
63	46	41	-	—	3·1
60	55	*	-	—	6·1
58	55	*	0·1	—	8·2
61	51	44	-	—	9·3
60	53	*	-	—	•
65	50	46	-	Tr.	8·9
62	53	*	•	Tr	•
58	48	43	Tr.	—	1·8
61	57	55	Tr.	—	8·7

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
KEW	18	cm$_o$bm$_o$	bczbm	bmomym$_o$	61	47	42	—	—	3·7	•	•	6
CROYDON	24½	omcbmo	bcbz bm$_o$	bmobomym$_o$	62	47	43	—	Tr.	4·5	•	•	5
GREENWICH (Royal Observatory) ...	149	c	cb	cbwc	64	46	39	—	Tr.	3·1	68	82	6
CITY (Bunhill Row)	—	•	•	•	•	•	•	•	•	2·5	•	•	•
WESTMINSTER (St. James' Park) ...	27	•	•	•	63	47	44	—	—	2·5	60	75	•
REGENTS PK. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	•	3·0	•	•	•
CAMDEN SQUARE	110	c	cb	•	62	46	•	—	—	•	At 18h.	88	•
KENSINGTON PALACE	80	pobc	bcbcm	•	63	46	40	—	—	•	84	81	•
HAMPSTEAD OBSERVATORY ...	450	bcom	om	•	59	43	35	Tr.	Tr.	3·8	•	86	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

SOUTH KENSINGTON. Max.	Time.	Min.	Time.
1·6	19h. 30th.	0·3	2-4h. 1st.

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0·4	19h. 30th.	0·1	0h. 30th.

FOREIGN OBSERVATIONS.

STATIONS.	18h. G.M.T. 30th September. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 1st October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
PARIS	1021·1	—	0	bf-	52	1023·1	—	0	f-	54	55	48	—	—
BRUSSELS	1019·8	N	1	m	55	1024·4	NE	1	c	50	56	50	3	—
BERLIN	1013·7	NNW	1	z	57	1018·7	WNW	2	c	52	59	48	6	—
ZÜRICH	1019·8	N	1	b	54	1023·4	NE	1	f	45	64	43	—	—
ROME						1016·6	—	0	f	64		63		

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

2nd October 1930.

No. 251.51

OBSERVATIONS at 13h. G.M.T., 1st October

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)
Lerwick	1031.0	0	-	0	c	50	75	8	5	2	-	4-6	10	1500
Stornoway	1031.5	+4	E	2	c	49	75	9	4	-	-	9+	9+	4000
Wick	1031.6	+2	ENE	2	c	49	75	8	8	-	-	10	10	1500
Tiree	1030.8	+4	SE's	3	c	53	75	9	5	2	-	9+	10	2500
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1031.6	+4	NE	3	c	49	75	8	7	-	-	9+	9+	2500
Malin Head	1029.3	+2	E	4	c	52	95	7	5	2	-	9	10	1500
Renfrew	1031.0	-2	ENE	3	c	50	85	7	5	-	-	10	10	2500
Inchkeith (Edin.)	1030.9	+6	NE	3	ir.	49	95	7	5	-	-	10	10	800
Leuchars	1031.5	+2	NE	2	0	51	75	8	5	-	-	10	10	2500
Eskdalemuir	1030.6	+2	ENE	3	c	48	85	8	5	-	-	10	10	2500
Tynemouth	1029.9	+4	N	2	c/pr	50	75	8	6	-	-	9+	9+	1600
Blacksod Point	1026.4	0	E	4	bc	57	75	8	2	-	-	2-3	2-3	4000
Aldergrove	1029.5	+2	ENE	3	c	51	75	8	5	-	-	10	10	1500
Donaghadee	1029.2	+6	ESE	6	q	52	75	8	5	-	-	9	9	2500
Birr Castle	1026.6	-2	ENE	3	b	59	65	7	1	-	1	Tr.	1	4000
Holyhead	1026.3	-2	E'N	6	b	55	85	6	1	-	1	Tr.	Tr.	4000
Liverpool (Bidston)	1028.5	0	E'S	2	0	52	75	6	5	-	-	10	10	800
Chester (Sealand)	1028.1	0	E'S	2	m.	52	75	6	5	-	-	10	10	1500
Harrogate	1029.4	+6	NE	1	c	50	85	8	6	2	-	9	10	2500
Spurn Head	1028.1	+2	NNE	3	c	53	85	8	1	3	-	2-3	10	4000
Birmingham	1027.9	0	E	3	c	51	85	6	5	-	-	10	10	1500
Cranwell	1028.4	+2	NE	3	c	53	85	8	5	-	-	10	10	1500
Gorleston	1026.4	+6	N'W	3	c	55	75	6	4	-	-	10	10	4000
Valentia Obs.	1020.8	-6	E's	4	c	59	65	7	5	3	1	4-6	7-8	2500
Roches Point	1023.3	-2	E	4	c	56	95	7	3	-	-	9	9	1500
Pembroke	1025.5	-6	E	4	bc	57	85	7	1	-	1	Tr.	2-3	4000
Ross-on-Wye	1026.2	-4	NE'E	3	c	53	85	7	5	-	-	10	10	2500
Leafield	1027.1	+4	NE	4	c	51	85	8	5	-	-	10	10	2500
Cardington	1027.2	+2	NE	4	c	54	75	7	6	2	-	7-8	10	1500
Winchester	1025.8	-4	NE	3	2.	55	75	6	-	-	8	0	7-8	-
S. Farnborough	1026.1	+2	NE	3	m.	54	75	5	5	-	-	9+	9+	1500
London (Kew)	1026.5	-8	NNE	3	c	54	85	5	5	-	-	10	10	1500
Croydon	1026.3	-4	NE	2	m.	55	85	6	5	-	-	9+	9+	1500
Manston	1025.9	+2	N'E	3	id.	56	95	8	6	1	-	7-8	9+	1500
Shoeburyness	1026.6	0	NE	4	c	57	85	8	4	3	-	4-6	9	1500
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	1026.6	0	N'E	2	c	55	75	8	5	-	-	10	10	2500
Scilly (St. Mary's)	1019.3	0	E'S	6	ir.	58	85	6	8	-	-	10	10	2500
Falmouth	1021.3	+6	ENE	7	c	57	95	6	5	2	-	2-3	10	4000
Plymouth	1022.6	+2	E	5	0	56	95	6	5	-	-	10	10	800
Portland Bill	1023.4	+2	ENE	6	c	57	85	7	4	-	-	9+	9+	1500
Calshot, S'hampton	1025.0	-4	NE	4	c	58	75	6	5	-	-	7-8	7-8	1500
Dungeness	*	*	NE	2	bc	*	*	7	4	-	*	4-6	4-6	2500
Lympne	1025.3	-6	N'E	3	c	56	85	8	5	-	-	9+	9+	1500
Guernsey	1021.9	0	E	3	2	61	75	5	5	-	-	10	10	2500

OBSERVATIONS at 18h. G.M.T., 1st October

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)
Lerwick	1031.4	+2	-	0	c	48	85	8	5	7	-	4-6	7-8	1500	0	*
Stornoway	1031.3	+2	NNE	1	c	48	85	9	4	-	-	10	10	4000	0	0
Wick	1031.5	0	ENE	2	c	48	85	8	5	1	-	7-8	10	2500	0	2
Tiree	1030.6	0	E	1	c	51	85	9	5	7	-	9+	10	2500	0	1
Nairn	1031.4	*	E	1	c	48	85	7	3	-	-	9	9	1500	0	*
Aberdeen	1031.9	+2	N	2	dd.	47	85	7	6	-	-	10	10	1500	1	1
Malin Head	1028.9	-4	E	3	c	52	85	8	4	2	-	9	10	2500	0	1
Renfrew	1030.8	0	NE	2	c	49	85	6	5	-	-	10	10	2500	1	*
Inchkeith (Edin.)	1031.2	+2	E	2	ir.	48	95	8	5	-	-	10	10	800	1	0
Leuchars	1031.2	+2	NNE	2	c	49	85	8	5	-	-	10	10	1500	1	*
Eskdalemuir	1030.7	0	NE	3	c	46	85	8	5	-	-	10	10	2500	1	*
Tynemouth	1030.2	+2	NE	2	c	50	75	8	4	-	-	9+	9+	2500	0	3
Blacksod Point	1025.6	-2	E	4	bc	54	85	7	-	-	6	0	4-6	-	0	4
Aldergrove	1029.2	-2	ENE	2	c	51	75	7	5	-	-	10	10	2500	0	*
Donaghadee	1028.7	-2	E	5	q	53	75	8	5	-	-	9	9	2500	0	4
Birr Castle	1025.4	+2	ENE	2	c	53	85	7	-	-	9	0	9	-	0	*
Holyhead	1026.2	-2	E'N	6	b	52	85	6	-	-	1	0	1	-	0	3
Liverpool (Bidston)	1028.5	+2	ENE	3	m.	52	75	5	5	-	-	9	9	800	0	*
Chester (Sealand)	1028.2	+2	E	2	m.	52	85	6	5	-	-	10	10	2500	0	*
Harrogate	1029.8	0	E'N	1	c	48	85	7	6	2	-	9	10	2500	1	*
Spurn Head	1028.5	0	NE'N	2	0	52	85	7	5	-	-	10	10	4000	0	3
Birmingham	1028.2	+2	ENE	4	c	51	85	5	5	-	-	10	10	1500	1	*
Cranwell	1028.7	+6	NE'N	2	c	50	85	7	5	-	-	10	10	2500	1	*
Gorleston	1027.5	+4	N'W	3	c	54	75	7	4	2	-	4-6	10	4000	0	2
Valentia Obs.	1020.1	0	E	4	c	56	85	7	5	-	-	10	10	1500	0	2
Roches Point	1021.5	-4	E	4	c	66	95	7	3	-	-	9	9	1500	0	5
Pembroke	1024.3	0	E	3	2.	55	95	6	4	8	9	4-6	7-8	1500	0	2
Ross-on-Wye	1026.7	0	ENE	3	c	51	86	7	5	-	-	10	10	2500	1	*
Leafield	1027.5	0	ENE	4	c	60	85	8	5	-	-	10	10	<150	0	*
Cardington	1027.7	+4	NE	2	c	52	86	7	5	-	-	10	10	2500	1	*
Winchester	1026.1	+6	NE'N	2	c	51	95	6	-	7	-	0	7-8	-	0	*
S. Farnborough	1026.2	+2	NE	2	c	52	85	6	5	-	-	10	10	4000	1	*
London (Kew)	1026.9	+4	NE	3	c	54	75	5	5	2	-	7-8	10	1500	1	*
Croydon	1026.6	+2	NE'E	3	m.	53	85	5	5	-	-	10	10	1500	1	*
Manston	1026.6	-6	NE	3	0	55	85	7	5	-	-	10	10	2500	0	*
Shoeburyness	1027.4	+4	NNE	3	c	54	85	8	4	-	-	10	10	2500	0	*
Clacton-on-Sea	1027.2	+6	N	4	0	54	75	7	5	-	-	10	10	800	0	2
Felixstowe	1027.7	+12	N	2	c	53	85	8	5	-	-	10	10	2600	1	1
Scilly (St. Mary's)	1019.5	+4	E	6	ir.	57	95	6	8	-	-	10	10	2500	1	4
Falmouth	1021.0	0	E'N	8	c	57	95	6	5	2	-	2-3	9+	4000	0	5
Plymouth	1022.5	+4	E	5	0	56	95	6	5	-	-	10	10	1500	1	1
Portland Bill	1023.4	0	ENE	6	0	57	85	7	5	-	-	10	10	1500	0	4
Calshot, S'hampton	1025.6	+4	ENE	3	c	56	75	6	5	4	1	4-6	7-8	2500	0	1
Dungeness	*	*	NE	4	c	*	*	6	8	8	*	9+	9+	1500	*	2
Lympne	1026.1	-6	NE	3	c	53	85	7	5	-	-	10	10	2500	1	*
Guernsey	1021.5	+10	E	4	0	59	85	6	5	-	-	10	10	2500	0	3

PAST 24 HOURS.

STATIONS. (For heights see p. 4.)	Weather. 7h.–13h. 1st (37)	Weather. 13h.–18h. 1st (38)	Weather. 18h. 1st to 1h. 2nd (39)	Weather. 1h.–7h. 2nd (40)
Lerwick	c	coid.	c	cbcupr
Stornoway	c	c	co	c
Wick	c	c	c	c
Tiree	c	c	co	o
Nairn	cd.	c	cw	c
Aberdeen	cir.	cod.d.	c/cd.c	cir.c
Malin Head	c	c	c	czo
Renfrew	cm.c	c.cm.	cid.rm.	cid.m.
Inchkeith (Edin.)	oir.	oir.	oir.	co
Leuchars	c/cid.c	cid.c	cid.cr.c	cid.or.r.
Eskdalemuir	c	cid.c	c	cc/id.
Tynemouth	ocp.	c	co	o
Blacksod Point	bc	bc	cc	cq
Aldergrove	cid.c	c	c	c
Donaghadee	cq	cq	cq	c
Birr Castle	cbcb	bbcc	c	cor.o
Holyhead	bm.	bm.	bm.	bw.
Liverpool (Bidston)	ommo	cm.	ccm.	ccm
Chester (Sealand)	cfom.	cm.	om.	mm.
Harrogate	c	c	co	co
Spurn Head	bc	bc	bc	bc
Birmingham	omd.c	c	c	co
Cranwell	cid.	cid.c	ccm.c	cm.c
Gorleston	oir.c	c	c	c
Valentia Obs.	bcc	c	cp.rcpr	cir
Roches Point	c	cg	cg	cgo r.
Pembroke	bcm.	bbcz.	bccm.	c
Ross-on-Wye	c	c	co	pp
Cardington	c	c	o	o
Winchester	od.d.m.	c	o	c
S. Farnborough	cm.bcz.	bcz.czbc	bcm.c	c
London (Kew)	om.cm.	cm.	cm.	cm.
Croydon	cz.	cz.	cz.	cm.
Manston	ocm.	cm.	com.	om.c
Shoeburyness	becrddid.	cd.o	oc	cd.
Clacton-on-Sea	cid.c	c	c	c
Felixstowe	cpdc	cog	og	ogc
Scilly (St. Mary's)	cid.c	c	c	c
Falmouth	c	ir.	cir.	bcc
Plymouth	oirmq.	oirmq.	om.q.	oirbcq.
Portland Bill	cm.o	cm.o	om.cr	cm.cmr
Falmouth	c	co	c	circ
Dungeness	cm.	cm.	bcm.c	c
Lympne	bc	d	*	b
Guernsey	c	cd.m.c	c	cbccm.
Falmouth	ocoz	ozo	ozo	oo

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

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

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

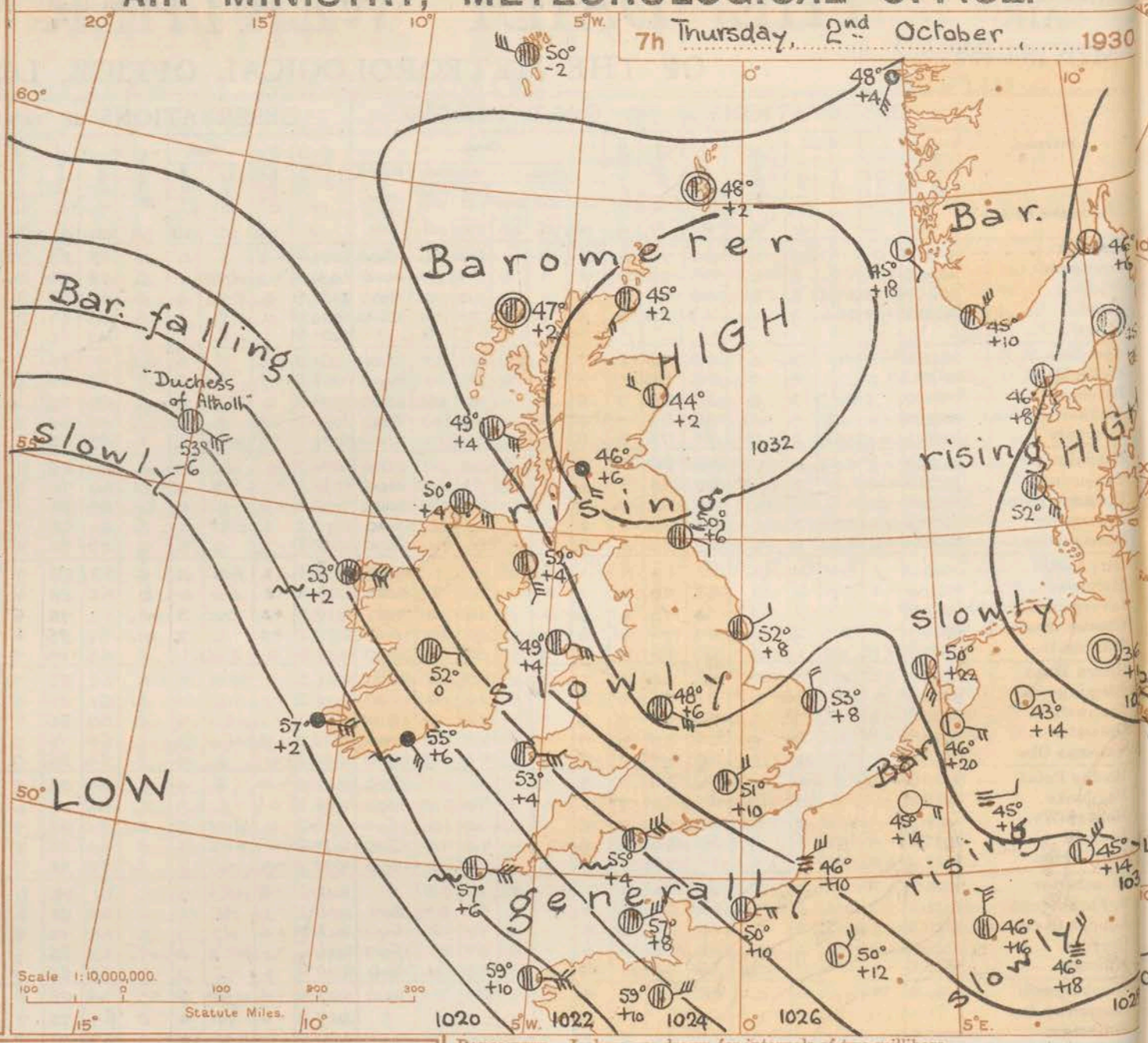
REPORTS from HEALTH RESORTS for ..... 1st October ... 1930.

STATIONS.	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURES. Min. 9h. 30th. to 9h. 1st	TEMPERATURES. Max. 9h.—17h. 1st	RAINFALL. Night. 17h. 30th. to 9h. 1st	RAINFALL. Day. 9h.—17h. 1st	SUNSHINE. Sunrise to 17h. 1st	SUNSHINE. Sunrise to Sunset. 30th.
Dunbar ...	0	bcb	x9	51	Trace	Trace	1·9	0·1
Berwick-on-T. ...	oc	cbc	x9	52	Trace	-	2·9	3·8
Douglas	c	cbc	51	54	-	-	0·3	7·2
Llandudno ...	om.	oc	x6	53	-	-	0·0	x·5
Colwyn Bay ...	0	0	x1	52	-	-	0·0	x·3
Rhyl	0	0	x3	53	-	-	0·0	2·2
Wallasey ...	0	oc	x4	54	-	-	0·0	2·1
Southport ...	oco	oco	x1	55	-	-	0·1	7·0
Blackpool ...	oc	co	x2	54	-	-	0·5	x·9
Morecambe ...	bc	bc	x5	55	-	-	1·5	10·1
Ilkley	c	c	x7	52	-	-	0·0	1·9
Cleethorpes ...	0	0	50	53	-	-	0·0	0·0
Mablethorpe ...								
Skegness								
Aberystwyth ...	bz	bcz	x3	58	-	-	9·6	10·0
Bath	cbc	bcc	x3	56	-	-	2·1	3·7
Cheltenham †	woz$_0$c	co2	x5	58	-	-	0·7	1·2
Leamington Spa	0	0	x5	53	-	-	0·0	0·x
Lowestoft ...	c	c	50	55	0·5	-	0·0	7·5
Dovercourt ...	bcc	oc	x3	56	-	-	0·0	3·5
Maldon	do c	c	x6	56	-	-	0·2	x·5
Southend ...	od	oz	x6	58	Trace	Trace	0·0	3·x
Ilfracombe ...	c	c	52	56	-	-	0·x	3·0
Bude	cbc	bcc	50	58	Trace	-	1·x	5·8
St. Ives	0	rr	52	60	-	1	0·0	5·7
Penzance ...	c	cir	53	60	-	2	0·0	x·8
Torquay	oz$_0$	ozmom	55	58	-	-	0·0	6·6
Jersey	czc	cg	54	62	-	-	0·2	9·3
Weymouth ...	c	cbcc	50	58	-	-	1·x	9·1
Bournemouth ...	oc	o	x7	63	-	-	1·0	7·5
Ventnor	ozbcz	ocz	51	58	-	-	2·0	9·9
Southsea ...	cb	bcc	51	62	-	-	2·6	8·x
Bognor Regis ...	bc	cbc	x8	59	-	-	2·6	9·0
Littlehampton ...	bc	bc	x6	59	-	-	x·3	8·8
Worthing ...	bbc	c	x9	60	-	-	x·9	8·9
Brighton	cbcb	cbc	50	61	-	-	6·2	7·1
Eastbourne †	cbc	bcco	x9	60	-	-	6·0	7·5
Hastings †	bbc	bcco	x9	60	-	-	5·7	5·6
Folkestone ...	oc	codo	51	60	-	0·2	2·0	3·3
Dover	c	cdo	52	58	-	0·3	1·3	2·7
Deal	cod$_0$	co	53	59	-	Trace	0·2	1·7
Tunbridge Wells	bbc	bco	x7	57	-	-	5·2	6·2
Ramsgate ...	cr	c	52	57	-	1	0·5	1·6
Margate	cd	c	52	58	-	Trace	0·8	1·9

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Thursday, 2nd October 1930



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

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 2nd October, 1930.
1. S.E. England 2. E. England... 3. E. Midlands	Light or moderate variable winds; mainly fair; moderate temperature; local mist or fog tonight and early tomorrow morning.
4. W. Midlands 5. S.W. England ▼	Fresh southeasterly wind, moderating; mainly fair; moderate temperature.
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands. 17. N.W. Ireland 18. N.E. Ireland	As 1 - 3.
19. S.E. Ireland 20. S.W. Ireland	As 4 - 5.

GENERAL INFERENCE.

An anticyclone now dominates the whole country and will maintain mainly fair weather generally though there will be fog locally tonight and early tomorrow.

FURTHER OUTLOOK.

Fair in most districts but fog locally at night.

"Times of issue of gale warnings".

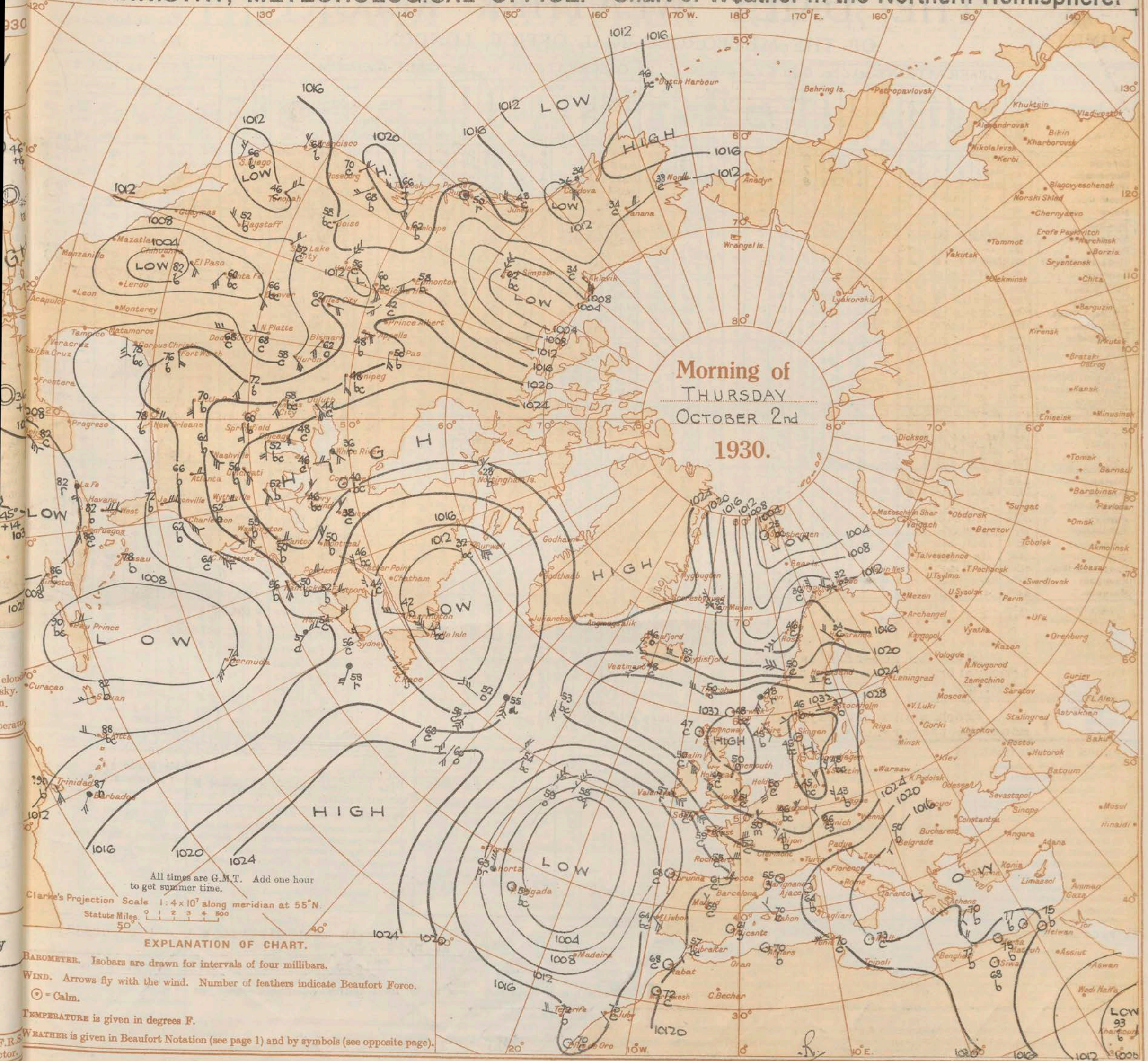
" ▼ South Gone at 0955 on 1st in 5".

Forecasts issued at 0915 G.M.T.

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

H.M. Stationery Office Press, Kingsway W.C.2. Ps.2495/2/36. Wt.26. D.6026. Gp.908. 10/30.

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

⊙ = Calm.

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

2nd October 1930.

No. 25151

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

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)
Lerwick	54	1031·5	0	-	0	c	47	85	8	5	7	-	4-6	7-8	1500
Stornoway ...	34	1031·1	0	-	0	0	48	85	7	5	-	-	10	10	4000
Wick	81	1031·9	0	S	2	c	48	85	8	5	1	-	4-6	7-8	2500
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head ...	51	1029·2	0	ESE	3	c	51	95	7	4	-	-	10	10	2500
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	1031·7	0	E	2	c	47	95	8	5	-	-	7-8	7-8	800
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir ...	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth ...	67	1031·0	+2	E	2	0	50	75	8	5	-	-	10	10	1500
Blacksod Point ...	10	1025·3	-4	E	5	0	53	75	6	5	-	-	10	10	220
Aldergrove ...	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee ...	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle ...	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead... ..	26	1027·3	+6	E	5	b	50	85	6	-	-	-	0	0	-
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate... ...	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head ...	29	1029·3	0	NE	3	c	51	85	8	4	2	-	4-6	9	4000
Birmingham ...	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	1030·2	+6	NE'N	2	0	48	85	6	5	-	-	10	10	2500
Gorleston	14	1028·5	+2	NNE	1	c	54	75	7	5	-	-	9+	9+	2500
Valentia Obs.† ...	30	1019·8	-6	E'S	6	c	56	95	8	3	-	-	10	10	1500
Roches Point ...	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke... ...	150	1025·2	0	E	4	c	53	95	7	45	-	-	10	10	4000
Ross-on-Wye ...	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington ...	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester ...	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew) ...	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1028·4	+6	E'N	2	0	51	85	6	5	-	-	10	10	2500
Manston	135	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness ...	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea ...	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe ...	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1020·3	+2	E'S	6	bc	56	95	6	5	-	-	4-6	4-6	4000
Falmouth... ...	200	1023·4	+6	E'N	7	0	58	85	7	5	-	-	10	10	4000
Plymouth... ...	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill ...	32	1025·1	+4	ENE	6	c	56	85	7	4	-	-	9+	9+	1500
Calshot, S'hampton	8	1026·6	0	NE	4	c	55	75	7	5	7	-	4-6	9	4000
Dungeness ...	20	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Lympne	347	1027·5	+4	NE	2	0	52	85	8	5	-	-	10	10	1500
Guernsey	173	1023·2	+6	E	4	0	58	85	6	5	-	-	10	10	2500

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

STATIONS.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	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)
Lerwick	1031·9	+2	-	0	bc	48	95	8	3	1	-	4-6	4-6	1500	0	*
Stornoway ...	1031·5	+2	-	0	c	47	85	8	5	-	-	9+	9+	4000	0	0
Wick	1032·5	+2	SW	2	c	45	95	8	8	-	-	10	10	1500	0	2
Tiree	1031·3	+4	SE'E	3	0	49	75	7	5	-	-	10	10	4000	0	2
Nairn	1032·2	•	-	0	c	45	85	8	8	-	-	7-8	7-8	2500	0	*
Aberdeen	1032·9	+2	WNW	2	bc	44	95	6	5	-	-	4-6	4-6	2500	1	1
Malin Head ...	1029·3	+4	ESE	3	c	50	95	6	4	-	-	10	10	2500	0	1
Renfrew	1032·9	+6	SSE	2	c/d	46	95	6	5	-	-	9+	9+	2500	1	*
Inchkeith (Edin.)	1032·6	+8	ESE	2	c	47	95	8	5	2	-	2-3	9	800	0	0
Leuchars	1032·8	+6	-	0	c/r	46	95	7	5	-	-	9+	9+	800	1	*
Eskdalemuir ...	1032·7	+6	ENE	2	i do	43	95	8	5	-	-	10	10	1500	1	*
Tynemouth ...	1031·7	+6	ESE	1	c	50	75	8	6	-	-	10	10	1500	0	2
Blacksod Point ...	1025·7	+2	E	6	0	53	75	6	5	-	-	10	10	220	0	4
Aldergrove ...	1030·0	+2	E'N	2	c	49	75	8	5	-	-	10	10	2500	0	*
Donaghadee ...	1029·8	+4	SSE	4	c	52	75	7	5	-	-	9	9	2500	0	3
Birr Castle ...	1025·7	0	E	1	0	52	85	7	5	-	-	10	10	2500	1	*
Holyhead... ..	1028·2	+4	E'S	3	c	49	85	6	-	3	1	0	7-8	-	0	2
Liverpool (Bidston)	1030·2	+6	ENE	4	c	49	75	5	5	-	-	9	9	1500	0	*
Chester (Sealand)	1029·9	+6	E'S	3	0	49	85	6	5	-	-	10	10	2500	0	*
Harrogate... ...	1031·6	+6	-	0	0	47	85	7	5	-	-	10	10	2500	1	*
Spurn Head ...	1030·8	+8	ENE	1	c	52	75	8	5	3	-	7-8	10	4000	0	3
Birmingham ...	1030·6	+6	ESE	3	0	48	75	5	5	-	-	10	10	1500	1	*
Cranwell	1031·2	+10	NE	1	c	48	95	8	5	-	-	10	10	2500	1	*
Gorleston	1029·8	+8	N	2	c	53	85	6	8	-	-	9	9	2500	0	2
Valentia Obs.† ...	1020·3	+2	E'S	5	ir	57	85	7	6	2	-	7-8	9+	1500	1	3
Roches Point ...	1023·1	+6	SE	3	rar₀	55	95	7	6	-	-	10	10	800	1	4
Pembroke... ...	1025·4	+4	E	4	c/pr	53	95	7	5	-	-	9+	9+	1500	0	2
Ross-on-Wye ...	1028·9	+6	E	3	0	49	85	7	5	-	-	10	10	2500	1	*
Leafield	1029·5	+6	ENE	3	0	47	85	8	5	-	-	10	10	4000	0	*
Cardington ...	1029·9	+8	NE'N	2	c	50	85	7	5	-	-	9	9	2500	0	*
Winchester ...	1028·5	+6	NE	3	c	50	85	7	5	-	-	9+	9+	4000	0	*
S. Farnborough ...	1028·6	+4	ENE	1	c	50	85	6	5	-	-	9+	9+	2500	41	*
London (Kew) ...	1029·4	+10	NE	2	c	51	85	5	5	-	-	9	9	4000	1	*
Croydon	1029·1	+6	ENE	2	z	50	85	5	5	-	-	10	10	2500	1	*
Manston	1029·1	+12	E	3	c	55	95	8	5	-	-	9	9	4000	0	*
Shoeburyness ...	1029·9	+10	NNE	3	c	52	95	8	5	-	-	9	9	2500	0	*
Clacton-on-Sea ...	1029·5	+20	N	3	c	51	85	7	5	-	-	7-8	7-8	800	0	2
Felixstowe ...	1030·1	+16	N'E	2	c	51	85	8	5	-	-	9	9	4000	0	1
Scilly (St. Mary's)	1021·3	+6	E'S	6	c	57	95	6	8	8	2	4-6	7-8	4000	1	4
Falmouth... ...	1023·7	+6	E'N	7	c	57	85	6	5	4	X-	4-6	7-8	4000	0	4
Plymouth... ...	1024·7	+4	ESE	4	c	55	95	6	6	-	9	4-6	9	2500 800	1	1
Portland Bill ...	1025·8	+4	NE'E	6	c	55	85	7	4	-	-	9+	9+	1500	0	4
Calshot, S'hampton	1027·8	+10	NE	4	c	53	75	7	5	3	-	2-3	9	4000	0	1
Dungeness ...	"	"	ESE	3	bc	"	"	7	2	4	"	2-3	4-6	800	"	2
Lympne	1028·7	+12	E'S	2	z	50	85	6	5	-	-	7-8	7-8	4000	1	"
Guernsey	1024·3	+8	ENE	3	0	57	85	6	5	-	-	10	10	2500	0	3

PAST 24 HOURS.

STATIONS.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 1st Hrs. (36)
Lerwick	50	45	*	Tr.	Tr.	0·2
Stornoway ...	50	46	*	-	-	0·0
Wick	49	45	*	-	-	*
Tiree	53	49	47	-	-	0·0
Nairn	50	45	*	Tr.	-	0·0
Aberdeen	50	43	40	0·1	0·6	0·0
Malin Head ...	54	50	*	-	-	0·0
Renfrew	50	46	44	-	Tr.	0·0
Inchkeith (Edin.)	50	46	44	0·3	0·3	0·8
Leuchars	52	45	45	Tr.	1	0·0
Eskdalemuir ...	49	43	41	Tr.	0·2	0·0
Tynemouth ...	51	50	47	0·1	-	*
Blacksod Point ...	58	51	*	-	-	*
Aldergrove ...	52	49	47	Tr.	-	0·0
Donaghadee ...	53	50	*	-	-	*
Birr Castle ...	59	48	42	-	Tr.	5·6
Holyhead... ..	55	45	39	-	-	9·4
Liverpool (Bidston)	53	48	47	-	-	0·0
Chester (Sealand)	53	48	47	-	-	0·0
Harrogate... ...	61	47	45	-	-	0·3
Spurn Head ...	54	51	*	-	-	0·0
Birmingham ...	51	47	46	Tr.	-	0·0
Cranwell	54	47	46	Tr.	-	0·0
Gorleston	56	50	47	Tr.	-	0·0
Valentia Obs.† ...	60	56	53	-	6	2·8
Roches Point ...	56	55	*	-	3	*
Pembroke... ...	59	51	*	-	-	8·2
Ross-on-Wye ...	54	48	47	-	-	0·0
Leafield	52	47	46	-	-	0·0
Cardington ...	54	49	47	0·1	-	0·0
Winchester ...	57	49	44	-	-	3·5
S. Farnborough ...	56	49	48	-	-	1·7
London (Kew) ...	55	51	50	Tr.	-	0·0
Croydon	55	50	50	-	-	0·0
Manston	57	53	51	0·2	Tr.	0·8
Shoeburyness ...	58	50	49	Tr.	-	0·1
Clacton-on-Sea ...	56	50	49	0·1	-	0·0
Felixstowe ...	55	49	47	Tr.	-	0·1
Scilly (St. Mary's)	58	56	*	Tr.	0·1	0·0
Falmouth... ...	58	56	*	Tr.	1	0·0
Plymouth... ...	58	54	53	-	1	0·0
Portland Bill ...	59	54	*	-	Tr.	*
Calshot, S'hampton	59	52	50	-	-	2·1
Dungeness ...	58	54	*	Tr.	Tr.	*
Lympne	57	49	43	0·3	-	2·0
Guernsey	61	57	55	-	-	0·1

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather Morning.	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	Cz₀	Cz₀	cm₀	55	51	50	Tr.	-	0·0	•	•	4
CROYDON	244	0cm₀	cm₀	cm₀c	55	50	50	-	-	0·0	•	•	5
GREENWICH (Royal Observatory) ...	149	c	c	c	55	50	48	-	-	0·0	80	76	5
CITY (Bunhill Row)	—	•	•	•	•	•	•	•	•	0·0	•	•	•
WESTMINSTER (St. James' Park) ...	27	•	•	•	56	52	50	→		0·0	76	71	•
REGENTS PK. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	•	0·0	•	•	•
CAMDEN SQUARE	110	c	c	•	55	50	•	-	-	•	•	77	•
KENSINGTON PALACE	80	c0o	0	•	55	51	49	-	-	•	At 18h. 78	76	•
HAMPSTEAD OBSERVATORY	450	0	0	•	53	46	45	Tr.	Tr.	0·0	•	78.	•

FOREIGN OBSERVATIONS.

STATIONS.	18h. G.M.T. 1st October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 2nd October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1025·0	NNE	3	bc	57	1027·4	NE	1	m	50
BRUSSELS	1025·8	NE	2	c	54	1029·5	ESE	2	m	45
BERLIN						1034·0	NNW	2	bc	45
ZÜRICH	1023·2	NNW	1	b	52	1027·2	SW	1	o	50
ROME	1015·9	WNW	2	c	68					

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

SOUTH KENSINGTON.

Max.	Time.	Min.	Time.
1·0	8-10h 15th	<0·3	23h 1st - 5h 2nd

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
0·3	20h 1st	0·1	2h 2nd

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
64	48	-	-
57	43	-	-
	39		
66	45	-	-
82		-	

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

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

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
3rd October 1930.
No. 25,152

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

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)
Lerwick	1031.4	-6	W'S	2	c	51	75	8	5	6	-	4-6	7-8	1500
Stornoway ...	1031.4	-4	-	0	c	53	75	8	3	-	-	9+	9+	4000
Wick	1032.0	+2	S	2	c	48	85	8	5	1	-	4-6	10	1500
Tiree	1031.3	-6	ESE	3	c	50	75	8	5	2	-	9+	10	4000
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1033.1	-6	E	3	c	49	85	7	7	-	-	9	9	2500
Malin Head ...	1029.3	-6	ESE	2	c	52	85	7	4	-	-	10	10	2500
Renfrew	1032.2	-6	ESE	2	0	49	85	6	5	-	-	10	10	2500
Inchkeith (Edin.)	1032.9	-2	SE	1	c	50	85	8	4	2	-	2-3	9+	4000
Leuchars	1032.4	-10	E	1	c/d	50	85	8	9	-	-	9+	9+	1500
Eskdalemuir ...	1032.3	-4	E'S	2	c	48	75	8	5	2	-	7-8	10	1500
Tynemouth ...	1031.9	-2	ESE	1	0	52	75	8	6	-	-	10	10	1500
Blacksod Point ...	1025.6	-2	E	5	ir.	54	85	7	6	-	-	10	10	220
Aldergrove ...	1030.0	-4	ESE	4	r_o	53	75	6	5	-	-	9+	9+	2500
Donaghadee ...	1030.0	0	SSE	4	c	52	75	7	5	-	-	7-8	7-8	2500
Birr Castle ...	1026.4	0	ESE	1	$r_o r_o$	53	95	6	6	-	-	10	10	2500
Holyhead... ...	1028.7	0	NW	1	c	57	75	7	-	-	9	0	7-8	-
Liverpool (Bidston)	1030.4	0	E	3	0	52	75	6	5	-	-	10	10	2500
Chester (Sealand)	1030.3	-2	SSE	4	c	53	75	6	5	-	-	9+	9+	2500
Harrogate... ...	1032.3	0	SE	1	c	51	75	7	5	-	-	10	10	2500
Spurn Head ...	1031.9	0	E'N	1	bc	58	75	8	4	3	-	2-3	4-6	4000
Birmingham ...	1031.2	0	SSE	3	c	54	65	8	5	-	-	9	9	2500
Cranwell	1031.4	-6	E	1	bc	61	65	8	7	-	2	2-3	4-6	2500
Gorleston	1031.1	0	NE	2	c	60	85	7	5	-	-	7-8	7-8	4000
Valentia Obs. ...	1021.8	+2	E'S	4	c	59	85	8	5	2	-	9	10	1500
Roches Point ...	1024.4	+4	SE	3	ir.	56	95	7	6	-	-	10	10	800
Pembroke... ...	1026.7	0	E	4	c	57	95	6	5	2	-	7-8	10	1500
Ross-on-Wye ...	1029.3	-4	E'N	3	c	55	75	7	5	-	-	10	10	4000
Leafield	1029.5	-4	E'S	4	c	56	75	7	5	7	-	4-6	9	4000
Cardington ...	1030.4	-6	E'N	3	c	60	75	7	5	-	-	7-8	7-8	1500
Winchester ...	1028.9	-4	E	2	c	59	75	7	6	1	-	4-6	9+	2500
S. Farnborough ...	1029.0	0	E	2	c	59	75	7	7	3	2	2-3	9+	2500
London (Kew) ...	1030.1	0	ESE	3	c	61	65	6	4	-	-	7-8	7-8	4000
Croydon	1029.9	0	ESE	3	bc	61	65	7	7	-	2	4-6	4-6	2500
Manston	1030.3	+2	E	3	b	61	75	8	-	-	1	0	1	-
Shoeburyness ...	1031.0	+6	E'S	3	b	61	85	8	1	-	1	1	1	5700
Clacton-on-Sea ...	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Felixstowe ...	1031.4	0	E	2	bc	62	75	8	1	?	?	1	2-3	4000
Scilly (St. Mary's)	1024.0	+10	SE	4	$r_o r_o$	57	95	6	6	-	-	10	10	2500
Falmouth... ...	1026.0	+10	E	6	c	58	85	6	5	-	-	10	10	4000
Plymouth... ...	1026.0	+2	E	4	c	60	85	7	5	-	8	7-8	9+	2500
Portland Bill ...	1027.2	+4	E	6	c	59	85	7	4	4	-	7-8	9	1500
Calshot, S'hampton	1028.7	-2	E'S	5	c	60	65	7	7	9	-	4-6	7-8	4000
Dungeness ...	*	*	ESE	3	z_o	*	*	6	-	1	*	0	2-3	-
Lympne	1029.4	-2	E	4	b	60	65	8	2	-	1	Tr.	Tr.	2500
Guernsey	1025.9	+2	E	2	c	62	75	6	5	2	-	4-6	7-8	2500

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

STATIONS.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	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)
Lerwick	1030.0	-8	W'S	2	c	48	86	7	3	2	-	4-6	7-8	1500	0	*
Stornoway ...	1030.9	0	-	0	c	50	95	8	4	-	-	10	10	4000	0	0
Wick	1031.1	-6	WSW	2	c	46	95	8	5	-	-	10	10	2500	0	1
Tiree	1030.5	-4	E'S	3	0	49	75	7	5	-	-	10	10	2500	0	2
Nairn	1031.1	*	-	0	c	48	85	9	8	-	-	7-8	7-8	2500	0	*
Aberdeen	1032.0	-6	S	2	m	49	85	4	7	-	-	9+	9+	2500	1	1
Malin Head ...	1028.2	-4	ESE	3	bc	51	95	6	4	-	9	4-6	4-6	1500	0	1
Renfrew	1031.2	0	ESE	1	c	50	76	6	5	-	-	10	10	2500	0	*
Inchkeith (Edin.)	1032.1	-4	SE	1	0	50	85	8	5	-	-	10	10	800	0	0
Leuchars	1032.1	0	-	0	c	49	85	8	5	-	-	10	10	2500	1	*
Eskdalemuir ...	1031.9	0	E'S	2	c	47	85	7	5	-	-	10	10	1500	1	*
Tynemouth ...	1031.6	-4	SSE	2	0	51	75	8	6	-	-	10	10	1500	0	2
Blacksod Point ...	1024.6	-4	SE	4	rr	53	95	7	6	-	-	10	10	<150	1	3
Aldergrove ...	1029.6	-6	ESE	3	m	51	75	4	5	3	-	9+	9+	2500	0	*
Donaghadee ...	1029.2	-4	SSE	3	c	53	75	6	5	-	-	9	9	2500	0	2
Birr Castle ...	1025.9	-4	SE	2	c	55	85	7	6	2	-	9	10	2500	1	*
Holyhead... ...	1028.4	-2	NE'E	1	c	56	75	6	5	2	-	4-6	9+	7200	0	0
Liverpool (Bidston)	1030.0	-2	E'N	3	m	52	75	4	5	2	-	4-6	10	2500	0	*
Chester (Sealand)	1029.8	-6	E'S	1	z_o	51	85	6	6	7	-	4-6	7-8	2500	0	*
Harrogate... ...	1031.7	0	-	0	m	51	85	4	5	-	-	9+	9+	<150	1	*
Spurn Head ...	1031.6	0	E	2	c	54	95	7	4	2	9	2-3	7-8	4000	0	3
Birmingham ...	1030.2	-2	ESE	3	c	55	75	5	-	7	2	0	7-8	-	1	*
Cranwell	1031.4	0	ENE	2	c	51	85	7	-	3	8	0	9	-	0	*
Gorleston	1031.5	+2	E'S	1	bc	58	85	6	-	7	-	0	4-6	-	0	2
Valentia Obs. ...	1022.6	+10	ESE	3	bc	59	85	8	5	3	-	4-6	4-6	1500	0	2
Roches Point ...	1024.0	+2	SE	3	ir.	56	95	7	6	-	-	10	10	800	1	4
Pembroke... ...	1026.3	+2	E	4	c	57	95	6	4	-	-	10	10	2500	0	2
Ross-on-Wye ...	1028.6	-4	E'N	2	c	55	85	6	-	7	1	0	9+	-	1	*
Leafield	1029.2	0	E	3	bc	52	85	6	-	3	8	0	4-6	-	0	*
Cardington ...	1030.5	+6	ESE	2	c	55	75	7	-	7	2	0	7-8	-	0	*
Winchester ...	1028.8	0	E'N	2	c	56	86	6	5	7	9	1	7-8	2500	0	*
S. Farnborough ...	1029.3	+2	E	1	b	55	75	6	-	8	8	0	1	-	1	*
London (Kew) ...	1029.9	0	E	2	m	57	65	4	-	8	1	0	1	-	1	*
Croydon	1029.7	+2	ENE	2	z_o	55	85	5	-	-	8	0	2-3	-	1	*
Manston	1030.1	+2	E	3	bc	55	75	7	-	-	8	0	2-3	-	0	*
Shoeburyness ...	1030.7	-2	E	2	bc	54	85	8	-	-	8	0	4-6	-	0	*
Clacton-on-Sea ...	1030.7	+6	ESE	4	bc	58	75	7	-	1	4	0	4-6	-	0	2
Felixstowe ...	1031.0	-2	E	3	bc	58	65	8	-	3	8	0	2-3	-	0	2
Scilly (St. Mary's)	1024.5	+8	ESE	4	c	57	95	6	6	-	-	9+	9+	2500	0	3
Falmouth... ...	1026.0	0	ENE	5	$r_o r_o$	57	95	6	6	2	-	4-6	10	2500	1	3
Plymouth... ...	1026.2	+2	E	4	c/r	57	95	6	6	2	-	4-6	10	1500	1	1
Portland Bill ...	1027.0	+8	E	6	c	59	95	7	4	-	-	9+	9+	1500	0	4
Calshot, S'hampton	1028.4	-4	E'N	4	bc	59	75	6	-	4	-	0	2-3	-	0	2
Dungeness ...	*	*	ESE	2	bc	*	*	6	-	5	*	0	4-6	-	*	2
Lympne	1029.7	+6	E	3	bc	52	75	6	-	-	8	0	2-3	-	0	*
Guernsey	1025.8	0	E	2	obc	~~50~~ 52	~~65~~ 75	6	5	-	-	~~4-6~~ 10	~~4-6~~ 10	2500	0	3

PAST 24 HOURS.

STATIONS.	Weather 7h.—13h. 2nd (37)	Weather 13h.—18h. 2nd (38)	Weather 18h. 2nd to 1h. 3rd (39)	Weather 1h.—7h. 3rd (40)
Lerwick	bcc	cid$_o$c	cir$_o$bc	bcc
Stornoway ...	c	0	0	oc
Wick	cid$_o$c	c	c	c
Tiree	oc	co	oid$_o$	iR$_o$
Nairn	cbcc	c	c	c
Aberdeen	coid$_o$c	cz$_o$z	cz$_o$	co
Malin Head ...	cz$_o$c	cz$_o$z$_o$	bccp$_o$gz$_o$	cir$_o$cz$_o$z$_o$
Renfrew	cmd$_o$	cm$_o$	cm$_o$	cm$_o$w
Inchkeith (Edin.)	c	co	o	o
Leuchars	cir$_o$id$_o$	c	c	ccm$_o$
Eskdalemuir ...	cid$_o$c	cm$_o$c	c	c
Tynemouth ...	o	o	o	obcff
Blacksod Point ...	c	rr	ir	bc
Aldergrove ...	cz$_o$	cz$_o$z	cir$_o$cr	crcm$_o$
Donaghadee ...	c	cm$_o$	cop$_o$r	porm$_o$
Birr Castle ...	orr	~~obirc~~ orirqrc	~~cofrc~~ cofrc	~~co~~ porm$_o$
Holyhead... ...	bcm$_o$z$_o$	c	cbcr$_o$m$_o$	rPr
Liverpool (Bidston)	co	cm$_o$cm	cc	cm$_o$
Chester (Sealand)	ocm$_o$	cz$_o$	bm$_o$	cm$_o$
Harrogate... ...	cc	cm	comm	oFF
Spurn Head ...	cbc	bcc	cbcw	bcc
Birmingham ...	c	cbc	bcc	cbc
Cranwell	cbcc	bccbc	cbcwf	bwfbcm
Gorleston	c	cbc	bc	bc
Valentia Obs. ...	circp$_o$	cbc	bcbw	bw bcc
Roches Point ...	oiroir$_o$	oir$_o$	irorr	orro
Pembroke... ...	cp$_o$	cm$_o$	cp$_o$	oirc
Ross-on-Wye ...	oc	c	cm$_o$cm$_o$	ccm$_o$
Leafield	c	cbc	bcc	cbc
Cardington ...	bcc	bc@c	cbcbw m$_o$	bbcm$_o$w
Winchester ...	c	cm$_o$	cm$_o$	cm$_o$bcbcm$_o$
S. Farnborough ...	cbcm$_o$c	cb	bbcm$_o$w	bcm fw
London (Kew) ...	cz$_o$	cz$_o$bm	bbcm$_o$w	bcmwbcfw
Croydon	bcmz$_o$bc	cbcz$_o$	bcm$_o$wc	bm$_o$wbc
Manston	cbbccb	bbcb	0	bw m$_o$
Shoeburyness ...	cb	b	bc	bcm$_o$
Clacton-on-Sea ...	cbc	bc	bc	bcz
Felixstowe ...	cbc	bc	bbc	bcw
Scilly (St. Mary's)	cr$_o$	corrc	cbcm$_o$	bcm$_o$
Falmouth... ...	bccq	corrq	circbcq	bcorm$_o$
Plymouth... ...	cm$_o$	cm$_o$r$_o$r$_o$	cm$_o$^	cm$_o$r$_o$
Portland Bill ...	c	c	c	c
Calshot, S'hampton	cm$_o$	cbcbm$_o$	bm$_o$bcc	cbcm$_o$
Dungeness ...	b	b	*	b
Lympne	b	bbcm$_o$	bcm$_o$	bcm$_o$
Guernsey	ocbcc	cbcco	~~opr~~cco	ocz

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus,
R, heavy rain. r_o, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, solar halo. ☾, lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

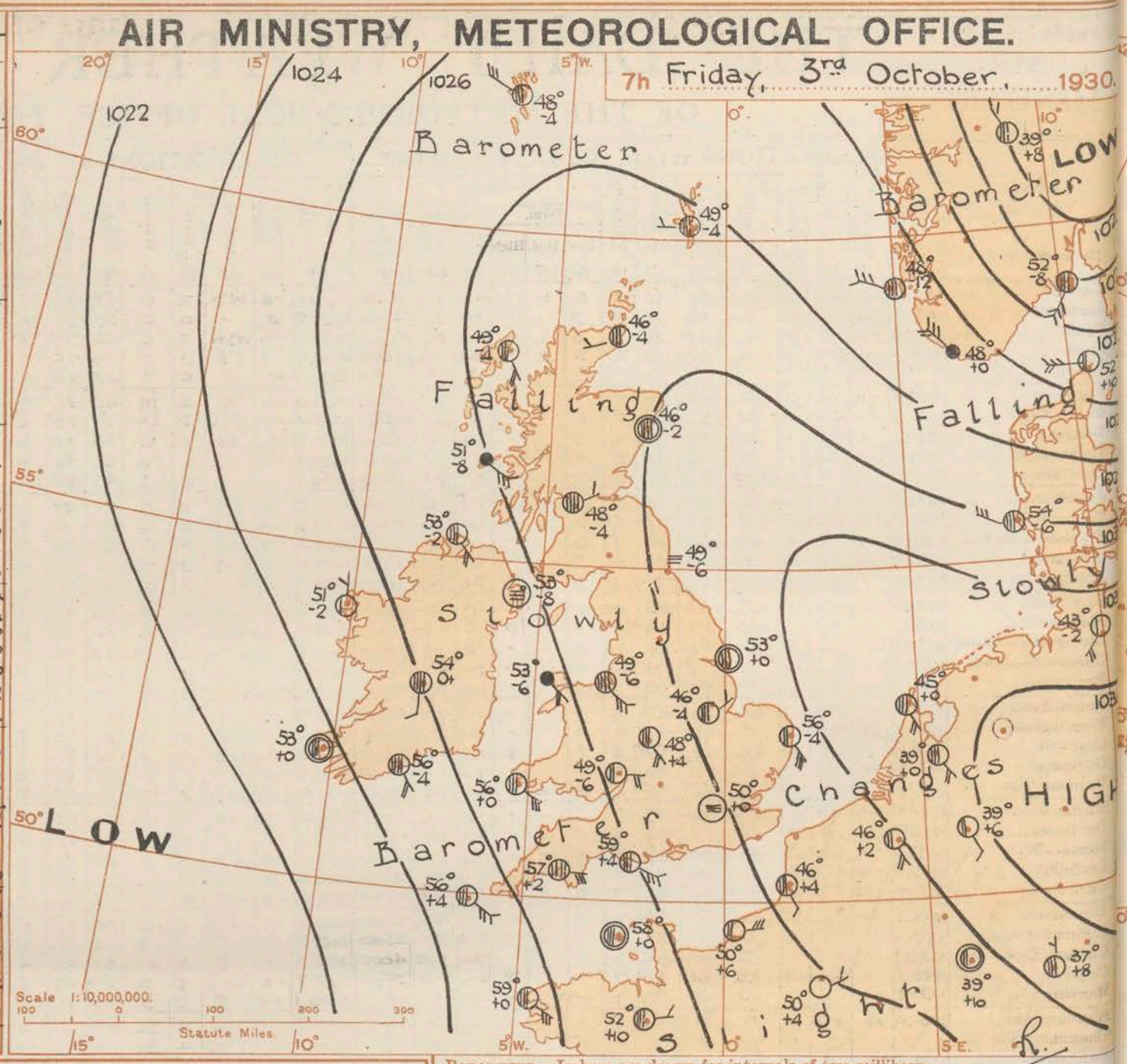
COLUMN 29.—STATE OF GROUND.

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

REPORTS from HEALTH RESORTS for 2nd October 1930.

STATIONS.	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. 9h. 1st to 9h. 2nd	TEMPERATURE. Max. 9h.—17h. 2nd	RAINFALL. Night. 17h. 1st to 9h. 2nd	RAINFALL. Day. 9h.—17h. 2nd	SUNSHINE. Sunrise to 17h. 2nd	SUNSHINE. Sunrise to Sunset. 1st
Dunbar ...	c	o	45	51	Trace	-	0·0	1·9
Berwick-on-T. ...	o	o	47	51	-	-	0·0	2·9
Douglas	c	com	49	52	-	-	0·0	0·3
Llandudno ...	cbc	cbcc	49	58	-	-	3·0	0·0
Colwyn Bay ...	o	obc	48	55	-	-	2·1	0·0
Rhyl	c	bc	49	56	-	-	1·1	0·0
Wallasey ...	o	ocbcc	49	54	-	-	0·0	0·0
Southport ...	o	oco	48	55	-	-	1·7	0·1
Blackpool ...	o	c	48	54	-	-	0·0	0·5
Morecambe ...	coc	cbco	48	56	-	-	0·6	1·5
Ilkley	c	c	46	53	-	-	0·0	0·0
Cleethorpes ...	oc	b	51	59	-	-	4·0	0·0
Mablethorpe ...								
Skegness... ...	obc	bco	53	58	-	-	5·3	0·0
Aberystwyth ...	bcz	bcc	51	57	-	-	3·1	9·6
Bath	cbcc	c	49	60	-	-	0·6	2·1
Cheltenham .†	wozc	cgcz	49	58	-	-	0·3	0·7
Leamington Spa	co	o	48	58	-	-	0·0	0·0
Lowestoft ...	cod	cbccbc	46	62	-	Trace	6·1	0·0
Dovercourt ...	oc	bc	50	63	-	-	6·6	0·0
Maldon	cb	bc	50	63	-	-	6·2	0·2
Southend ...	cz	bccz	51	61	-	-	6·1	0·0
Ilfracombe ...	oc	co	52	61	1	-	0·2	0·4
Bude	o	o	52	60	1	-	0·0	1·4
St. Ives	o	r	57	60	1	3	0·0	0·0
Penzance ...	c	cir	57	60	1	2	0·0	0·0
Torquay	obozo	ocom	55	60	Trace	-	0·8	0·0
Jersey	cbc	bcc	55	65	-	-	4·3	0·2
Weymouth ...	c	cbcc	52	60	-	-	2·0	1·4
Bournemouth ...	oco	oco	49	60	0·3	-	1·2	1·0
Ventnor	ocz	cbcbz	52	61	-	-	4·5	2·0
Southsea ...	cbc	bcb	52	62	-	-	4·7	2·6
Bognor Regis ...	bc	bc	52	62	-	-	5·6	2·7
Littlehampton ...	bc	bc	52	62	-	-	5·0	4·5
Worthing ...	bc	bcb	55	63	-	-	7·0	5·5
Brighton... ...	bc	bbc	52	65	-	-	8·0	6·2
Eastbourne .†	bcbc	bbc	53	62	-	-	8·5	6·0
Hastings †	b	bbc	51	62	-	-	8·3	5·7
Folkestone ...	wb	bbc	54	63	-	-	7·8	2·0
Dover	bc	bc	55	64	-	-	8·4	1·3
Deal	b	bbc	55	63	-	-	8·2	0·2
Tunbridge Wells	b	bbc	50	62	-	-	8·2	5·2
Ramsgate ...	b	bbc	54	61	-	-	8·3	0·5
Margate	bc	bc	54	62	-	-	8·6	0·8

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



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

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 3rd Oct., 1930.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Light or moderate variable winds; fair; warm during day but local ground frost at night; fog locally at night and in early morning.
13. A. W. Scotld. B. N.W. Scotland.	Moderate southerly to southwesterly winds; mainly fair; warm during day; local mist or fog at night.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands. 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 1 - 13A.

GENERAL INFERENCE.

A ridge of high pressure over the British Isles will maintain fair weather generally but local fog or mist is likely to be widespread tonight and early tomorrow.

FURTHER OUTLOOK.

Mainly fair in most districts but doubtful in the Northwest.

Forecasts issued at

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

H.M. Stationery Office Press, Kingsway, W.C.2. Pe.2495/2138. 16.29. D.6026. Gp.908. 28210. 10/30.

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

Morning of
FRIDAY
OCTOBER 3rd
1930.
LOW
HIGH
992
996
1000
1004
1008
1012
1016
1020
1024
1028
1032
1036
Behring Is.
Petropavlovsk
Khuktsin
Vladivostok
Alexandrovsk
Bikin
Kharborovsk
Nikolaievsk
Kerbi
Anadyr
Blagovyeschensk
Norski Skiad
Chernyaevo
Erofe Pavlovitch
Nerchinsk
Borzia
Sryentensk
Tommot
Yakutsk
Olekminsk
Chita
Barguzin
Kirensk
Irkutsk
Bratsk
Ostrog
Kansk
Eniseisk
Minusinsk
Dickson
Tomsk
Barnaul
Barabinsk
Surgat
Pavlodar
Omsk
Obdorsk
Berezov
Tobolsk
Akmolinsk
Atbasar
Sverdlovsk
Perm
Ufa
Orenburg
Kazan
Archangel
Vologda
N.Novgorod
Zemechino
Saratov
Gurjev
Ft. Alex.
Astrakhan
Stalingrad
Baku
Rostov
Hutorok
Batoum
Sinope
Angora
Adana
Smyrna
Limassol
Ammen
Gaza
Mosul
Hinaidi
Assiut
Aswan
Wadi Halfa
Khartoum
Tor
Malta
Tripoli
Benghasi
Algiers
Oran
Gibraltar
Lisbon
Madeira
Bermuda
Barbados
Trinidad
Curacao
St. Kitts
Frontera
Progreso
Veracruz
Tampico
Matamoros
Corpus Christi
Dodge City
Denver
Miles City
Bismarck
Winnipeg
Prince Albert
Edmonton
Simpson
Wrangel Is.
Yakutsk
Lyakorski
Manzanillo
Mazatlan
Chihuahua
El Paso
Santa Fe
Salt Lake City
Tonopah
San Francisco
S. Diego
Guaymas
Leon
Acapulco
Montarey
Lerdo
Kingston
Havana
Nassau
Key West
Jacksonville
Charleston
Hatteras
Atlanta
Nashville
Cincinnati
Chattanooga
Wytheville
Washington
Montreal
Halifax
Sydney
Belle Isle
Prince
Race
Chatham
Flower Point
Nantucket
Portland
Boston
Dublin
Valentia
Scilly
Falmouth
Portsmouth
Berlin
Paris
Prague
Munich
Geneva
Turin
Marseilles
Rochefort
Corunna
Barcelona
Madrid
Lisbon
Gibraltar
Oran
Algiers
Tripoli
Malta
Benghasi
Rabat
Marrakesh
C. Juby
C. Bechar
Rio de Oro
Tenerife
Madeira
Azores
P. Delgada
Flores
Horta
Godhavn
Julianehaab
Angmagsalik
Scoresbysund
Jan Mayen
Vestmanö
Reykjavik
Thorshavn
Bodisfjord
Bear Is.
Spitsbergen
Varanger Fjord
Varanger Nes
Varlo
Kandalaksha
Archangel
Mezen
U. Tsylma
U. Sysolsk
T. Pechorsk
Talvesochnoe
Matochkin Shar
Varnach
Obdorsk
Berezov
Tobolsk
Akmolinsk
Atbasar
Sverdlovsk
Perm
Ufa
Orenburg
Kazan
Vologda
N.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

3rd October 1930.

No. 25,152.

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

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)
Lerwick	54	1028·7	-6	SW	3	c	48	95	7	9	1	-	4-6	7-8	1500
Stornoway ...	34	1029·8	-8	WSW	1	c	48	85	7	4	-	-	10	10	4000
Wick	81	1030·5	-4	WSW	1	0	46	95	8	5	-	-	10	10	2500
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head ...	51	1027·5	-8	SSE	3	c	52	95	5	5	2	-	4-6	10	1500
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	1031·6	-4	SE	1	0	49	85	7	5	-	-	10	10	800
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir ...	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth ...	67	1031·8	-2	SSE	2	0	50	85	7	6	-	-	10	10	1500
Blacksod Point ...	10	1025·2	0	SE	3	ir	59	85	6	6	-	-	10	10	<150
Aldergrove ...	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee ...	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle ...	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead... ...	26	1028·3	0	-	0	c/r	53	95	6	5	-	-	9+	9+	4000
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate... ...	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head ...	29	1031·6	0	S'W	1	bc	53	95	7	5	-	-	4-6	4-6	2500
Birmingham ...	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	1031·6	0	E'S	1	f	44	95	3	5	-	-	2-3	2-3	4000
Gorleston	14	1031·8	+2	SE'S	4	bc	56	75	7	-	-	1	·0	2-3	-
Valentia Obs.† ...	30	1023·7	+10	ESE	2	c	58	95	8	4	-	-	9+	9+	2500
Roches Point ...	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke... ...	150	1027·0	0	SE	3	o/r	56	95	7	5	-	-	10	10	1500
Ross-on-Wye ...	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington ...	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester ...	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew) ...	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1030·2	-2	E'N	1	z	48	95	6	-	3	5	0	9	-
Manston	135	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness ...	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea ...	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe ...	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1025·2	0	ESE	4	bc	56	95	5	8	3	-	2-3	4-6	4000
Falmouth... ...	200	1026·6	0	E'N	5	bc	58	85	7	3	-	-	4-6	4-6	4000
Plymouth... ...	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill ...	32	1027·5	+2	E	4	c	60	85	7	4	-	-	9+	9+	1500
Calshot, S'hampton	8	1029·0	+2	ENE	3	c	56	85	7	5	7	-	4-6	10	2500
Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	347	1030·0	-2	E	3	bc	49	95	5	-	-	8	0	4-6	-
Guernsey	173	1026·7	0	SE	1	0	58	85	5	5	-	-	10	10	2500

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

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	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)
1028·2	-4	W	1	c	49	85	8	5	-	-	9+	9+	1500	0	*
1028·6	-4	SSE	2	c	49	75	8	4	-	-	10	10	4000	0	1
1029·3	-4	WSW	1	c	46	95	8	5	2	-	7-8	10	2500	0	1
1027·4	-8	ESE	4	do do	51	95	6	5	-	-	10	10	1500	1	2
1029·4	*	-	0	c	45	95	6	5	-	-	9	9	1500	0	*
1029·9	-2	-	0	0	46	95	6	5	-	-	10	10	1500	1	1
1026·1	-2	SE	2	c	53	95	5	5	1	-	7-8	9+	1500	0	0
1028·9	-4	ENE	1	z	48	95	5	5	-	-	10	10	2500	0	*
1029·6	-6	SE	1	c	49	85	7	5	1	-	4-6	10	800	0	0
1029·4	-4	-	0	0	47	95	6	5	-	-	10	10	2500	1	*
1029·5	-6	N	2	0	46	85	7	5	-	-	10	10	1500	1	*
1030·1	-6	SW	1	f	49	95	3	8	-	-	4-6	4-6	1500	0	1
1024·9	-2	N	1	b	51	95	6	7	-	-	Tr.	Tr.	<150	0	1
1027·2	-4	ENE	2	c	51	95	6	5	2	-	7-8	10	2500	1	*
1027·2	-8	-	0	z	53	95	5	5	-	-	10	10	800	1	0
1026·1	0	S	1	0	54	95	7	5	-	-	10	10	2500	1	*
1027·2	-6	SE'E	2	ir	53	95	6	5	-	-	9+	9+	4000	1	1
1028·3	-6	ESE	4	c	49	85	5	5	-	-	9+	9+	2500	0	*
1028·7	-6	SE'S	2	o/r	49	95	4	5	-	-	10	10	1500	0	*
1030·5	0	-	0	F	47	95	1	5	-	-	10	10	<150	1	*
1030·6	0	-	0	c	53	95	6	4	-	9	2-3	7-8	4000	0	2
1029·8	-4	SE	2	bc	48	85	5	-	3	-	0	4-6	7200	1	*
1030·4	-4	NE'E	1	c	46	95	5	5	3	-	7-8	7-8	4000	1	*
1031·0	-4	SE	3	bc	56	85	7	-	-	9	0	4-6	-	0	2
1023·5	0	-	0	c	53	95	9	5	4	1	4-6	7-8	2500	0	1
1025·1	-4	SE	2	0	56	95	7	5	-	-	10	10	1500	1	3
1026·5	0	ESE	3	z	56	95	6	8	8	9	4-6	7-8	1500	1	2
1028·0	-6	E	2	z	49	85	5	5	8	2	2-3	4-6	2500	1	*
1029·3	-6	NE	2	bc	46	95	6	-	4	4	0	2-3	-	0	*
1030·4	+2	SE	1	c	45	95	5	5	6	-	4-6	7-8	7200	0	*
1029·1	-2	E	1	c	47	95	6	-	3	2	2-3	7-8	-	0	*
1029·5	0	E'N	1	c/f	45	95	4	-	-	2	0	7-8	-	1	*
1029·8	0	-	0	f	50	95	3	5	8	4	2-3	4-6	800	1	*
1029·8	0	ENE	1	z	46	95	5	-	3	2	0	4-6	-	1	*
1030·3	+2	ESE	2	bc	53	95	66	-	-	61	0	2-3	-	0	*
1030·7	0	SE	2	bc	55	95	6	-	7	-	0	4-6	-	0	*
1030·4	0	SE	3	z	56	85	6	-	4	-	0	4-6	-	0	3
1030·3	0	SE'S	2	b	55	85	7	-	3	-	0	1	-	1	0
1024·6	+4	SE'E	4	c	56	95	6	7	5	-	4-6	7-8	4000	0	3
1026·0	0	ENE	3	ro ro	57	95	6	5	2	-	7-8	10	4000	1	2
1026·4	+2	E	3	o/d	57	95	6	5	-	-	10	10	2500	1	1
1027·3	+4	E'S	4	c	59	95	7	4	-	3	7-8	9	1500	0	3
1028·3	+2	ENE	4	c	54	95	6	-	4	2	0	7-8	-	0	1
1029·8	-2	SE	2	m	48	95	4	-	3	8	0	4-6	-	0	*
1026·7	0	-	0	c	58	95	5	5	2	8	4-6	9	4000	0	3

PAST 24 HOURS.

Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine Hrs. (36)
51	46	*	Tr.	1	2·1
53	47	*	-	-	0·0
49	46	*	Tr.	-	*
50	49	47	-	1	0·0
50	45	*	-	-	0·0
49	46	44	0·2	-	0·2
53	50	*	-	0·1	0·2
50	46	43	Tr.	-	0·0
53	46	47	-	-	1·7
51	46	46	0·6	-	0·0
48	43	40	Tr.	-	0·0
52	47	40	-	-	*
56	50	*	2·5	0·3	*
53	50	47	-	2	0·0
53	52	*	-	2	*
55	54	52	2	6	0·0
60	52	46	-	3	5·6
53	47	45	-	-	0·0
64	45	39	-	Tr.	0·0
62	45	42	-	-	0·0
59	51	*	-	2·6	4·7
56	47	41	-	-	0·7
62	44	38	-	Tr.	2·6
61	56	51	-	-	5·0
61	52	41	0·3	Tr.	0·2
57	55	*	6	2·0	*
58	54	*	Tr.	1	0·0
58	48	44	-	-	0·1
56	44	41	-	-	0·8
61	43	39	-	-	2·9
62	45	37	-	-	2·4
62	44	35	-	-	2·6
62	49	42	-	-	1·8
62	44	38	-	Tr.	4·1
62	54	50	-	-	6·2
58	55	*	2	-	0·0
59	57	*	2	0·1	0·2
60	56	53	0·4	0·5	0·3
60	58	*	-	-	*
61	53	50	-	-	3·2
63	54	*	Tr.	Tr.	*
60	47	37	-	-	8·3
63	57	54	-	0·1	4·6

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (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 o	cz o bm	bcm o bc fm	62	49	42	-	-	1·8	•	•	3
CROYDON	244	bc cm o z o bc	c bc m o	bc m o w bc	62	46	42	-	Tr	4·1	•	•	6
GREENWICH (Royal Observatory) ...	149	c	c o bc	bc w m o	63	45	32	-	Tr	3·9	74	85	4
CITY (Bunhill Row)	—	•	•	•	•	•	•	•	•	2·1	•	•	•
WESTMINSTER (St. James' Park) ...	27	•	•	•	62	51	47	-	-	2·9	68	80	•
REGENTS PK. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	•	1·6	•	•	•
CAMDEN SQUARE	110	c	c b	•	63	47	•	-	-	•	•	92	•
KENSINGTON PALACE	80	bcm	bc	•	62	47	41	-	-	•	At 18h. 88		•
HAMPSTEAD OBSERVATORY	450	cbcm	bcm bcm	•	60	45	39	Tr.	Tr.	2·7	•	84	•

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

SOUTH KENSINGTON.

Max.	Time.	Min.	Time.
1·3	9h 2nd / 7h 3rd	0·5	23-24h 2nd

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
0·4	20h 2nd	0·1	13h 2nd

FOREIGN OBSERVATIONS.

STATIONS.	18h. G.M.T. 2nd October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 3rd October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1028·9	ENE	2	bc	57	1029·3	ENE	1	z	50
BRUSSELS	1030·6	E	3	b	52	1031·5	SE	2	bc	43
BERLIN	1035·7	E	2	b	50	1035·7	SW	1	m	43
ZÜRICH	1008·7	ENE	3	bc	52	1031·5	W	1	o	46
ROME						1025·7	NNE	2	b	66

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
63	48	-	-
59	41	-	-
54	39	-	-
63	43	-	-
	54		-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

4th October, 1930.

No. 25,153

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

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)
Lerwick	1026.9	-10	W	1	c	53	65	8	5	7	-	4-6	9	1500
Stornoway	1026.2	-14	SE	2	c	50	75	8	6	2	-	4-6	10	4000
Wick	1026.5	-16	S	2	c	50	86	8	5	-	-	10	10	2500
Tiree	1025.3	-14	SE's	4	m.	53	95	5	5	-	-	10	10	1500
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1027.5	-22	E	1	c	52	85	6	6	-	-	10	10	4000
Malin Head	1024.6	-12	S	3	c	57	95	5	5	1	-	7-8	9+	1500
Renfrew	1027.2	-14	E	1	df	50	95	3	5	-	-	10	10	450
Inchkeith (Edin.)	1027.8	-8	SE	1	o	51	95	6	5	-	-	10	10	800
Leuchars	1027.2	-12	ESE	1	ir.	53	86	6	5	-	-	10	10	4000
Eskdalemuir	1026.4	-14	E	1	c	56	75	6	-	3	-	0	7-8	-
Tynemouth	1027.6	-8	S	2	c	57	75	6	6	-	-	7-8	7-8	1500
Blacksod Point	1023.5	-4	-	0	c	60	86	8	5	-	-	9+	9+	220
Aldergrove	1026.3	-10	SE	2	d.d.	55	86	4	5	-	-	10	10	1500
Donaghadee	1026.7	-10	-	0	m	56	85	4	5	-	-	10	10	800
Birr Castle	1024.4	-8	SE	1	o	58	95	6	5	-	-	10	10	2500
Holyhead	1025.1	-20	ENE	1	c	59	86	6	5	1	-	9+	9+	5700
Liverpool (Bidston)	1025.8	-14	ESE	4	m.	59	75	5	5	-	-	7-8	7-8	1500
Chester (Sealand)	1025.9	-20	SSE	3	m.	61	75	6	5	3	-	2-3	7-8	4000
Harrogate	1028.0	-10	SSE	1	c	56	75	5	5	-	-	9+	9+	2500
Spurn Head	1028.1	-6	SSE	3	c	58	86	7	4	3	9	2-3	7-8	4000
Birmingham	1027.0	-10	ESE	2	bc	63	65	6	-	3	-	0	4-6	-
Cranwell	1027.5	-24	SE's	3	bc	64	66	6	-	3	1	0	4-6	-
Gorleston	1029.3	-10	SSE	3	bc	59	75	6	-	6	-	0	2-3	-
Valentia Obs.	1022.3	-18	SE's	1	c	61	85	8	5	-	8	7-8	9	1500
Roches Point	1023.7	-14	SE	2	c	59	95	7	5	-	-	9	9	1500
Pembroke	10253	-6	ESE	3	m	58	95	4	5	-	-	10	10	1500
Ross-on-Wye	1025.5	-16	SE	3	z.	63	75	6	-	9	9	0	4-6	-
Leafield	1026.6	-10	SSE	4	bc	61	75	7	-	3	-	0	4-6	-
Cardington	1027.5	-20	S'E	2	c	65	65	6	-	3	-	0	1	-
Winchester	1026.8	-18	SE	2	c	63	75	7	-	3	-	0	9	-
S. Farnborough	1027.1	-16	SE	2	c	64	65	6	5	3	8	9	9+	5700
London (Kew)	1027.1	-8	SE	3	c	63	65	7	-	7	1	0	7-8	-
Croydon	1028.1	-10	E's	1	z.	65	65	6	-	3	9	0	4-6	-
Manston	1028.9	-10	E's	3	b	60	65	7	-	-	-	0	0	-
Shoeburyness	1029.0	-10	ESE	3	b	60	75	7	-	-	1	0	Tr.	-
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	1029.5	-8	SE	2	b	61	65	8	-	1	-	0	Tr.	-
Scilly (St. Mary's)	1023.1	-16	SE'E	3	iR	58	95	6	6	-	-	10	10	2500
Falmouth	1025.6	-14	ENE	4	ir	59	95	6	5	2	-	4-6	9	4000
Plymouth	1025.0	-10	ESE	3	ir	61	85	6	6	1	-	7-8	9+	800
Portland Bill	1026.1	-14	E's	4	c	60	95	6	4	-	-	9+	9+	1500
Calshot, S'hampton	1027.4	-10	E's	4	c	60	85	6	-	4	6	0	7-8	-
Dungeness	*	*	SSE	2	bc	*	*	7	-	4	*	0	2-3	-
Lympne	1027.7	-16	ESE	3	m.	60	65	6	-	-	8	0	Tr.	-
Guernsey	1025.4	-12	ESE	1	d/pr	61	85	5	5	-	-	10	10	2500

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

STATIONS.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
Lerwick	1024.4	-6	W	1	c	49	85	8	5	-	-	10	10	1500	0	*
Stornoway	1021.1	-22	SSE	3	o	50	95	6	6	-	-	10	10	4000	0	2
Wick	1023.1	-24	S	2	c	49	95	8	3	2	-	4-6	10	1500	0	2
Tiree	1021.6	-24	SE	3	m.	63	95	6	5	-	-	10	10	1500	0	3
Nairn	1023.1	*	-	0	c	50	85	6	5	-	-	10	10	1500	0	*
Aberdeen	1023.9	-20	S	2	m	52	85	4	5	7	-	7-8	10	4000	1	0
Malin Head	1021.5	-18	S	2	c	57	95	5	5	-	-	10	10	1500	0	0
Renfrew	1024.3	-14	NE	1	id.	50	95	4	5	-	-	10	10	800	1	*
Inchkeith (Edin.)	1024.5	-20	NE	1	o	51	95	6	5	-	-	10	10	800	1	0
Leuchars	1023.8	-18	-	0	c	51	96	6	5	3	-	7-8	9+	4000	1	*
Eskdalemuir	1023.5	-14	S	1	c	53	75	6	-	3	-	0	10	-	1	*
Tynemouth	1024.0	-16	S	2	c	55	85	6	6	-	-	7-8	7-8	1500	0	1
Blacksod Point	1020.4	-18	-	0	c	57	85	7	5	-	-	10	10	220	0	1
Aldergrove	1022.5	-22	ESE	2	m	54	85	4	5	-	-	9+	9+	2500	1	*
Donaghadee	1022.5	-16	-	0	m	55	95	4	5	-	-	10	10	800	0	0
Birr Castle	1021.4	-16	SE	1	o	58	95	6	5	-	-	10	10	2500	1	*
Holyhead	1021.2	-26	E'N	2	c	56	96	6	5	-	8	7-8	9+	7200	1	1
Liverpool (Bidston)	1022.4	-14	ESE	4	r.r.	58	85	5	6	-	-	10	10	2500	1	*
Chester (Sealand)	1022.8	-16	SE'E	2	m.	68	85	6	5	2	-	4-6	10	4000	0	*
Harrogate	1024.6	-10	-	0	f+	55	95	3	5	-	-	9+	9+	<150	1	*
Spurn Head	1024.4	-12	SE's	3	bc	56	95	6	5	7	1	2-3	4-6	1500	0	2
Birmingham	1023.9	-16	SSE	2	ir	59	85	5	6	2	-	9	10	4000	1	*
Cranwell	1024.7	-12	SE	2	c	55	95	5	5	3	5	4-6	9	5700	0	*
Gorleston	1026.8	-4	SSE	3	bc	57	85	7	-	6	9	0	4-6	-	0	2
Valentia Obs.	1019.5	-18	W'N	1	c	58	95	8	5	-	5	4-6	7-8	1500	0	0
Roches Point	1020.2	-18	SE	3	rr	57	95	6	6	-	-	10	10	800	1	3
Pembroke	1020.6	-20	ESE	3	rr	57	95	5	5	-	-	10	10	1500	1	2
Ross-on-Wye	1022.5	-16	ESE	2	c/r	57	95	6	6	2	-	9	10	2500	1	*
Leafield	1024.6	-10	SSE	4	ir.	57	95	6	6	-	-	10	10	1500	1	*
Cardington	1025.1	-10	SE'E	2	c	58	75	6	-	6	6	0	9+	-	0	*
Winchester	1022.2	-14	SE	2	ir.	56	86	7	5	2	-	4-6	10	4000	1	*
S. Farnborough	1024.6	-10	SE	1	rr.	58	85	6	6	2	-	4-6	9+	4000	1	*
London (Kew)	10254	-10	SSE	1	c	59	75	5	5	2	-	9	10	7200	1	*
Croydon	1025.6	-4	SSE	2	z.	58	85	5	5	7	-	2-3	9+	5700	0	*
Manston	1025.8	-16	E's	2	bc	56	95	6	-	3	-	0	4-6	-	0	*
Shoeburyness	1025.9	-16	SE	3	c	56	85	8	-	5	9	0	7-8	-	0	*
Clacton-on-Sea	1026.2	-6	SE	4	bc	57	75	7	7	6	-	4-6	4-6	1500	0	2
Felixstowe	1026.6	-18	ESE	2	bc	57	75	8	-	3	8	0	4-6	-	0	1
Scilly (St. Mary's)	1019.8	-20	SE'E	3	c	57	95	6	5	-	-	9+	9+	4000	1	2
Falmouth	1022.9	-6	ESE	4	ir	57	95	6	6	2	-	7-8	10	2500	1	3
Plymouth	1021.2	-20	ESE	1	c/r	58	95	6	6	-	-	9+	9+	1500	1	1
Portland Bill	1023.6	-2	SE'E	4	rr	60	95	6	5	-	-	10	10	1500	1	3
Calshot, S'hampton	1024.0	-22	E	4	c	59	85	6	-	9	-	0	7-8	-	0	2
Dungeness	*	*	SSE	1	c	*	*	5	5	-	*	9	9	4000	*	0
Lympne	1025.7	-10	ESE	2	m.	64	85	5	-	7	-	0	9+	-	0	*
Guernsey	1022.6	-20	SE	1	o	62	85	6	5	-	-	10	10	2500	1	3

PAST 24 HOURS.

STATIONS. (For heights see p. 4.)	Weather. 7h.–13h. 3rd (37)	Weather. 13h.–18h. 3rd (38)	Weather. 18h. 3rd to 1h. 4th (39)	Weather. 1h.–7h. 4th (40)
Lerwick	c	c bcc	roid.	pid. rrm.
Stornoway	o	o p. g	∝	o
Wick	c	c	pr. rr	crrc
Tiree	id. omm	om. m.	om.	l d
Nairn	c	cbcc	cd. om	c
Aberdeen	oc	cr. cz	czm	cmir.
Malin Head	cz. z.	cz. z.	cz. z.	cz. z.
Renfrew	omofd	ofddd m	om	cm m. w
Inchkeith (Edin.)	corr ir	oir.	om.	oir.
Leuchars	cor. m.	ocir. cw	cm.	cm.
Eskdalemuir	cprbc	bccpr.	c	ors Fd.
Tynemouth	bcff	c	coir	oiR
Blacksod Point	c	c	c	cc
Aldergrove	cr. ir mddmm	dcmmcm	cmm	cmw cm
Donaghadee	om.	om.	oum ff	off
Birr Castle	o	o	o	oc
Holyhead	r. cm.	cm. ⊕	RR r.	id. r.
Liverpool (Bidston)	mcmm	op. r m	oR r.	om.
Chester (Sealand)	cm.	cz. m.	cm. rRR	om.
Harrogate	o f ccp.	c f	coffrr	rr ocff
Spurn Head	cbcc	cbc	orr	oroz
Birmingham	bc	bcc	corr	om
Cranwell	cm. bcz	bcz. cm	corr m.	r. m. f
Gorleston	bc	bc	bc orr	or. r. rc
Valentia Obs.	c	c	cbcbw	bw cid.
Roches Point	oc	corr	orrc	c
Pembroke	cm.	orrm	orr	ffc
Ross-on-Wye	bcm. cz.	bcz. cr	r. irR	om
Leafield	bc	bcc ir.	ororr	or.
Cardington	cmbc bm.	bbcc m.	cir. or om.	om. d d.
Winchester	bcm. c	c cir.	cir. oir.	oir. o o d d m.
S. Farnborough	bcm. z. c	cz. cr r m.	om. o R r. r. b	bom. d d.
London (Kew)	cf w bc	cz.	cm. r.	cm. om. r
Croydon	bcm m bz.	bcc z.	cm. pc	cum. p. r d p.
Manston	bm. cb	bbcm.	bcc	cp rcom.
Shoeburyness	bcbm.	bbc	c	or. om.
Clacton-on-Sea	bcz	bc	bccz	czoro
Felixstowe	bcb	bc	bco z. rr	orr m.
Scilly (St. Mary's)	coiR	omrrc	coff s	ff ir
Falmouth	oir. cm.	coir m.	oir f O	o f d s
Plymouth	cm ir	cR rrr m.	cr m. r	cr. m.
Portland Bill	cz.	ci Rr z.	cir. z	rr f c
Calshot, S'hampton	bcm.	cm pr cm.	cm. pc rrc	or. r. m. d. m.
Dungeness	b	b		o
Lympne	bcbm.	bbcz. m.	cpr m.	cp rl oddf
Guernsey	cbcpr	ocpr o	oco	opro

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

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

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

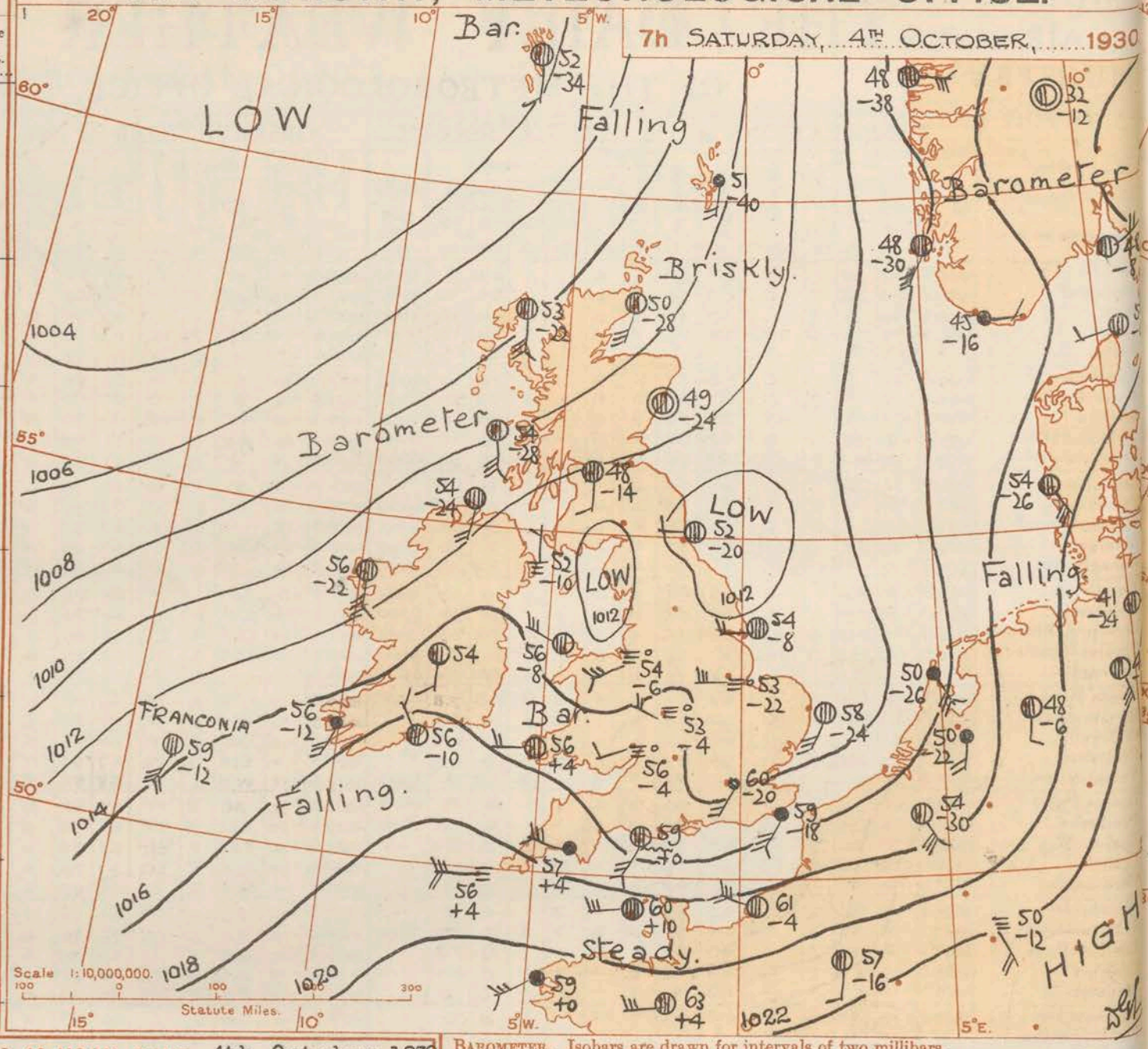
REPORTS from HEALTH RESORTS for 3rd October 1930.

STATIONS.	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. 9h. 2nd to 9h. 3rd	TEMPERATURE. Max. 9h.—17h. 3rd	RAINFALL. Night. 17h. 2nd to 9h. 3rd	RAINFALL. Day. 9h.—17h. 3rd	SUNSHINE. Sunrise to 17h. 2nd	SUNSHINE. Sunrise to Sunset. 2nd
Dunbar ...	O	bcO	47	53	-	Trace	0·1	0·0
Berwick-on-T. ...	c	O	47	57	-	-	2·2	0·0
Douglas	cbm$_o$c$_o$	cbcm$_o$	50	57	0·3	0·3	0·1	0·0
Llandudno ...	c	c	51	62	-	-	0·5	3·0
Colwyn Bay ...	O	O	50	62	-	-	1·5	2·1
Rhyl	cbc	bccm$_o$	49	66	-	-	1·4	1·1
Wallasey ...	pcbc	c	49	62	Trace	-	0·8	0·0
Southport ...	OcO	OcO	48	61	-	-	0·5	1·7
Blackpool ...	Og	cz	48	61	-	-	0·3	0·0
Morecambe ...	C	c	50	62	-	-	0·0	0·6
Ilkley	mc	bcz	44	59	-	-	0·1	0·0
Cleethorpes ...	fb	bcbc	44	62	-	-	5·3	4·0
Mablethorpe ...	cbcm$_o$	cm$_o$	?	?	-	-	?	?
Skegness... ...	bcobc	bcO	51	58	-	-	5·1	5·3
Aberystwyth ...	cprbc	bccir	54	60	0·5	0·5	4·2	3·1
Bath	cbcc	crr	50	64	-	3	0·6	0·6
Cheltenham ... †	wc$_o$bc	cp$_o$or	49	63	-	1	4·3	0·3
Leamington Spa	bcc	cO	46	65	-	-	5·2	0·0
Lowestoft ...	b	b	53	60	-	-	3·8	6·1
Dovercourt ...	b	b	55	63	-	-	3·5	6·6
Maldon	mb	bc	42	64	-	-	7·1	6·2
Southend ...	bcz	bcz	51	64	Trace	-	8·0	6·1
Ilfracombe ...	cbcc	cor	54	63	1	5	0·4	0·2
Bude	r$_o$O	r$_o$Or	54	63	-	7	0·0	0·0
St. Ives	or	or	56	61	1	5	0·0	0·0
Penzance ...	cr$_o$	cr	56	60	2	6	0·0	0·0
Torquay	pcm	ampr$_o$	56	60	0·6	2	0·0	0·8
Jersey	cbcz	bcc	56	68	-	-	4·3	4·3
Weymouth ...	cr$_o$c	cpcpc	55	61	-	0·6	0·0	2·0
Bournemouth ...	OcO	Od	50	63	-	Trace	1·0	1·2
Ventnor	bzc	cpcw	55	64	-	Trace	3·9	4·5
Southsea ...	bbc	bcdp	52	63	-	Trace	3·6	4·7
Bognor Regis ...	bbc	bcc	52	62	-	-	4·1	5·6
Littlehampton ...	bc	bcc	48	62	-	-	4·6	5·3
Worthing ...	bbc	c	51	62	-	-	5·6	6·9
Brighton... ...	bcb	cbc	51	62	-	-	6·2	8·0
Eastbourne ... †	bcb	bbcc	54	61	-	-	7·4	8·5
Hastings †	bcb	bbcc	53	61	-	-	7·1	8·3
Folkestone ...	bcbz$_o$	bc$_o$bc	50	62	-	-	8·5	7·8
Dover	m$_o$bc	m$_o$bc	60	63	-	-	8·8	8·4
Deal	b	bbc	52	62	-	-	8·3	8·2
Tunbridge Wells	b	bbc	48	64	-	-	7·0	8·2
Ramsgate ...	b	bbc	53	60	-	-	9·2	8·3
Margate... ...	bc	bc	51	61	-	-	9·5	8·6

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h SATURDAY, 4TH OCTOBER, 1930



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 4th October, 1930.
1. S.E. England 2. E. England... 3. E. Midlands	Moderate to strong southerly to southwesterly winds; cloudy, some rain; close.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Fresh to strong southerly to southwesterly winds, stronger at times later; cloudy, some rain; close.
10. N.E. England 11. S.E. Scotland	Winds becoming moderate to strong southerly; cloudy, some rain; close.
12. S.W. Scotland & Isle of Man 13. A. W. Scotland. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands. 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Fresh to strong southerly to southwesterly winds, reaching gale force at times; cloudy, some rain; close.

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

GENERAL INFERENCE.

A depression off Western Ireland is likely to deepen and move northeastward to give unsettled conditions with some rain and freshening winds in all districts.

FURTHER OUTLOOK.

Further rain in most districts.

"Time of Issue of Gale Warning."
"South Cone at 0820 on 4th
"in 13A, 13B, 15, 16, 17, 18 and 20.

Forecasts issued at 1030 G.M.T.

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

H.M. Stationery Office Press, Kingsway W.C.2.
Pa.2495/2136. m.26. D.6026. Gp.30/. 2833/4 10/30.

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

Morning of
SATURDAY
OCTOBER 4th
1930.

All times are G.M.T. Add one hour to get summer time.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

⊙ = Calm.

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

4th October 1930.

No. 25,153

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

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)
Lerwick	54	1017·3	-20	S	2	id.	49	95	7	6	-	-	10	10	1500
Stornoway	34	1014·8	-24	S	2	C	53	95	6	4	-	-	10	10	4000
Wick	81	1016·3	-30	SW	2	rr	49	95	8	6	2	-	4-6	10	1500
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	51	1016·1	-28	S	2	O	55	95	5	5	-	-	10	10	1500
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	1018·8	-24	NNE	1	O	50	95	6	5	-	-	10	10	800
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	67	1018·2	-20	S	1	rr	53	95	5	6	-	-	10	10	1500
Blacksod Point	10	1016.1	-22	S	2	O	57	85	6	5	-	-	10	10	4150
Aldergrove	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1016.1	-26	WSW	2	r.r.	66	95	6	6	-	-	10	10	800
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	29	1019·3	-16	SW	3	RR	63	95	6	6	-	-	10	10	2500
Birmingham	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	1019·2	-18	SES	3	rr	51	95	6	6	-	-	10	10	800
Gorleston	14	1020·4	-14	SSE	3	r.r.	57	95	6	6	-	-	10	10	800
Valentia Obs.†	30	1018·9	-6	S'E	1	F+	56	95	1	5	-	-	10	10	4150
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke	150	1015·9	-10	S	2	F	51	95	1	5	-	-	10	10	4150
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew)	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1018·3	-36	SE	3	2	58	85	6	-	7	-	0	7-8	-
Manston	136	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1018·3	+4	W'S	4	F	57	95	1	5	-	-	10	10	4150
Falmouth	200	1017·9	-20	SWW	3	5-	58	95	3	6	3	-	4-6	10	800
Plymouth	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	32	1016·9	-22	SSW	4	ir.	60	95	6	5	-	-	10	10	1500
Calshot, S'hampton	8	1018·7	-28	S'E	5	C	61	85	7	5	2	-	4-6	10	1500
Dungeness	20														
Lympne	347	1020·2	-30	SES	3	pr.	57	95	5	5	1	-	9	10	5700
Guernsey	173	1020·3	-6	SW	2	O	63	95	6	5	-	-	10	10	2600

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

STATIONS.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	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)
Lerwick	1009·9	-40	S	2	ir.	51	95	5	6	-	-	10	10	800	1	•
Stornoway	1007·9	-22	S	4	u	53	95	5	6	-	-	10	10	4000	0	3
Wick	1009·7	-28	SSW	3	c	50	95	7	8	2	-	7-8	10	1500	1	2
Tiree	1009·7	-28	S'E	4	z	54	95	6	5	2	-	9+	10	2500	1	3
Nairn	1009·2	•	-	0	c	47	95	6	5	-	-	7-8	7-8	1500	1	•
Aberdeen	1010·8	-24	-	0	m	49	95	4	5	2	-	2-3	10	1500	1	1
Malin Head	1010·7	-24	S'W	2	c	54	95	6	4	-	-	10	10	2500	0	0
Renfrew	1012·7	-14	S	1	z	49	95	5	5	-	-	10	10	800	1	•
Inchkeith (Edin.)	1012·5	-24	WSW	1	sm.	50	95	5	5	-	-	10	10	800	1	0
Leuchars	1011·7	-26	WSW	2	O	48	95	6	5	-	-	10	10	4000	1	•
Eskdalemuir	1012·4	-20	SSE	1	F	49	95	1	5	-	-	10	10	<150	1	•
Tynemouth	1011·7	-20	W	1	f	52	95	3	6	-	-	9	9	1500	1	1
Blacksod Point	1010·6	-22	S	4	C	56	85	8	8	-	-	10	10	220	0	3
Aldergrove	1012·6	-16	S'E	2	C	52	95	5	5	-	-	9+	9+	1500	1	•
Donaghadee	1012·7	-10	N	1	F	52	95	3	5	-	-	10	10	800	0	0
Birr Castle	1014·3	-12	S	1	C	54	95	6	5	-	-	9+	9+	2500	1	•
Holyhead	1013·7	-8	WNW	3	C	56	95	6	5	-	8	9	9+	800	1	1
Liverpool (Bidston)	1013·3	-6	WSW	4	O	54	95	5	5	-	-	10	10	800	1	•
Chester (Sealand)	1014·4	-8	W	1	z	54	95	6	5	-	-	10	10	800	1	•
Harrogate	1012·8	-10	S	1	F	50	95	2	5	2	-	9	10	<150	1	•
Spurn Head	1012·0	-8	W'S	2	O	54	95	6	5	-	-	10	10	1500	1	2
Birmingham	1014·2	-4	WNW	2	m	53	95	4	5	-	-	10	10	800	1	•
Cranwell	1012·6	-22	W	3	m	53	95	4	5	-	-	10	10	450	1	•
Gorleston	1012·8	-24	SSW	3	C	58	95	6	6	2	-	7-8	10	1500	1	2
Valentia Obs.†	1015·0	-12	SSW	3	id.	56	95	7	5	-	-	10	10	450	1	2
Roches Point	1016·2	-10	NW	1	C	56	95	8	3	-	-	7-8	7-8	1500	1	2
Pembroke	1015·3	+4	~~NNE~~	4 2	C	56	95	7	8	8	-	4-6	7-8	2500	1	2
Ross-on-Wye	1014·2	-4	WSW	1	m	56	95	4	5	2	-	4-6	10	2500	1	•
Leafield	1014·2	-6	W'S	3	id.	55	95	4	5	-	-	10	10	220	1	•
Cardington	1013·5	-12	W'S	3	do do.	57	95	5	5	-	-	10	10	450	1	•
Winchester	1014·4	-6	WSW	2	o/d	59	95	6	5	-	-	10	10	450	1	•
S. Farnborough	1014·1	-8	WSW	2	do do.	60	95	6	6	-	-	10	10	800	1	•
London (Kew)	1013·7	-20	SW'W	2	dd	60	95	5	6	-	-	10	10	1500	1	•
Croydon	1013·8	-16	SW'S	4	c/d	61	95	6	5	3	-	9	9+	450	1	•
Manston	1013·9	-36	SSW	4	O	60	95	6	5	-	-	10	10	450	1	•
Shoeburyness	1013·9	-20	WSW	2	O	60	95	5	5	-	-	10	10	1500	0	•
Clacton-on-Sea	1014·0	-30	S	4	O	58	95	7	5	-	-	10	10	1500	1	2
Felixstowe	1013·5	-24	S'W	3	O	59	95	6	5	-	-	10	10	1500	1	2
Scilly (St. Mary's)	1018·7	-4	W	5	f-	56	95	3	5	-	-	10	10	<150	0	3
Falmouth	1018·6	0	W	4	C	57	95	7	5	3	-	4-6	7-8	4000	1	2
Plymouth	1017·1	+4	WNW	4	ir.	57	95	6	6	-	-	9+	9+	450	1	2
Portland Bill	1014·1	0	SW'W	4	C	59	95	8	4	4	9	4-6	7-8	2500	1	4
Calshot, S'hampton	1015·0	-10	SW'W	1	c/d	60	95	6	5	2	-	7-8	10	450	1	1
Dungeness	"	"	SW	5	br	"	"	6	-	-	"	10	10	1500	"	3
Lympne	1014·7	-18	SW	4	df	59	95	1	5	-	-	10	10	<150	1	•
Guernsey	1018·7	+10	W	3	2	60	95	5	5	-	-	10	10	2500	1	3

PAST 24 HOURS.

STATIONS.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 3rd Hrs. (36)
Lerwick	53	48	•	-	8	1·3
Stornoway	51	50	•	Tr.	-	0·0
Wick	50	48	•	-	3	•
Tiree	54	53	52	0.1	0·3	0·0
Nairn	51	47	•	-	0·6	0·2
Aberdeen	53	48	46	0.1	0·1	0·0
Malin Head	58	53	•	-	-	0·0
Renfrew	51	48	47	1	0·1	0·0
Inchkeith (Edin.)	52	49	49	1	Tr.	0·0
Leuchars	54	47	47	0·2	-	0·0
Eskdalemuir	57	48	47	0·3	2	0·4
Tynemouth	59	52	46	-	10	•
Blacksod Point	61	55	•	-	-	•
Aldergrove	57	50	46	1	Tr.	0·2
Donaghadee	58	51	•	-	-	•
Birr Castle	59	54	50	-	-	0·0
Holyhead	60	53	53	0.1	18	0·3
Liverpool (Bidston)	61	52	51	0.1	15	0·6
Chester (Sealand)	62	53	51	-	17	2·2
Harrogate	57	49	49	Tr.	12	1·0
Spurn Head	61	52	•	-	9	5·6
Birmingham	63	52	48	Tr.	10	5·3
Cranwell	65	51	50	-	8	5·0
Gorleston	61	56	54	-	1	9·1
Valentia Obs.†	63	53	42	-	0·1	0·8
Roches Point	59	54	•	3	4	•
Pembroke	59	54	•	11	7	0·2
Ross-on-Wye	64	54	53	2	11	3·21
Leafield	62	51	50	0.2	2	5·3
Cardington	66	52	51	-	1	7·2
Winchester	64	54	37	0·3	1	3·3
S. Farnborough	65	53	47	0·1	1	4·0
London (Kew)	64	55	53	-	0·3	4·2
Croydon	65	55	51	-	0·5	5·2
Manston	61	55	50	-	0·3	0·8
Shoeburyness	61	54	49	-	0·4	7·9
Clacton-on-Sea	61	57	55	-	1	8·4
Felixstowe	61	56	52	-	0·5	9·5
Scilly (St. Mary's)	58	56	•	19	1	0·0
Falmouth	59	57	•	4	1	0·0
Plymouth	62	57	57	4	0·4	0·4
Portland Bill	61	58	•	1	1	•
Calshot, S'hampton	63	58	55	0·1	1	4·3
Dungeness			•	Tr.	0·3	•
Lympne	60	52	46	-	0·4	7·7
Guernsey	63	59	57	0.6	1	2·7

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew	18	c fwbc	cz o	cm o.	64	55	53	-	0·3	4·2	•	•	
Croydon	244	bc mm o bz	bc cz o	cm o prd	65	55	51	-	0·5	5·2	•	•	5
Greenwich (Royal Observatory)	149	cb	bc	cr pcid	67	54	44	-	0·5	6·1	65	93	5
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	4·3	•	•	•
Westminster (St. James' Park)	27	•	•	•	67	56	52	/		4·6	63	95	•
Regents Pk. (Botanic Gardens)	168	•	•	•	•	•	•	•	•	4·4	•	•	•
Camden Square	110	b	bc	•	67	52	52	-	0·5	•	•	93	•
Kensington Palace	80	co	bc	•	66	55	51	-	0·3	•	At 18h.		•
Hampstead Observatory	450	bcor	or mor m	•	65	52	48	0·3	0·5	6·2	•	91	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
2·0	8-9h 3rd	<0·3	5-6h 4th

Kew Observatory. Max.	Time.	Min.	Time.

FOREIGN OBSERVATIONS.

STATIONS.	18h. G.M.T. 3rd October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 4th October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1026·9	ESE	1	z	61	1020·5	S	1	C	57
Brussels	1027·1	ESE	2	bc	55	1017·2	SSE	4	C	54
Berlin	1030·0	WSW	2	bc	52	1024·3	SW	2	m	43
Zürich	1031·1	E	1	z	48	1027·4	SW	1	F-	48
Rome						1029·9	NNE	3	C	55

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
68	55	-	2
64	48	-	2
57		-	
57	43	-	-
	45		-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

5th OCTOBER, 1930.

No. 25,154

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

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)
Lerwick	1003.7	-36	S	1	c	53	95	6	5	2	-	4-6	10	800
Stornoway	1000.0	-96	S	6	rr	54	95	7	6	-	-	10	10	4000
Wick	1003.2	-28	SSW	3	c	53	95	7	5	2	-	7-8	10	1500
Tiree	1002.3	-50	S'E	5	RR	54	95	6	6	2	-	9+	10	800
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1005.2	-34	SSW	2	c	61	75	8	8	3	6	7-8	9+	2500
Malin Head	1003.1	-46	S	4	c/d	55	95	7	6	2	-	2-3	10	2500
Renfrew	1007.2	-32	SW	3	2	55	85	5	5	1	-	9	10	1500
Inchkeith (Edin.)	1007.4	-28	WSW	2	mo	54	85	4	5	-	-	10	10	450
Leuchars	1006.3	-34	SW	3	c	56	85	5	5	7	-	4-6	9+	4000
Eskdalemuir	1008.2	-26	SW	4	ir_o	53	85	4	5	-	-	10	10	450
Tynemouth	1008.2	-20	W	2	c	58	85	6	6	-	-	9+	9+	1500
Blacksod Point	1002.1	-40	S	6	RR	56	95	6	6	-	-	10	10	<150
Aldergrove	1007.0	-34	SSW	4	ir	56	85	6	5	-	-	10	10	2500
Donaghadee	1007.6	-24	SW	2	c	59	85	7	5	-	-	9	9	2500
Birr Castle	1008.8	-40	S	1	rr	57	95	6	6	-	-	10	10	2500
Holyhead	1011.0	-22	S'S	5	c	58	95	6	5	1	-	9+	10	800
Liverpool (Bidston)	1010.9	-10	S'W	2	o	59	85	6	5	-	-	10	10	1500
Chester (Sealand)	1012.2	-18	S'W	3	c	62	75	7	5	1	8	4-6	9+	1500
Harrogate	1011.5	-10	SSW	1	c	56	85	5	6	2	-	9	10	4000
Spurn Head	1010.1	-2	NW	3	c	58	95	5	5	3	-	4-6	9	800
Birmingham	1012.8	-10	WSW	3	c	61	75	8	8	-	-	7-8	7-8	2500
Cranwell	1011.4	-6	W'S	4	c	59	85	6	5	-	-	10	10	1500
Gorleston	1010.4	-10	W	3	c	60	75	6	7	-	-	9	9	2500
Valentia Obs.	1008.9	-38	S	5	$r_o r_o$	57	95	7	5	-	-	10	10	800
Roches Point	1011.2	-32	SW	3	dd	57	95	6	6	-	-	10	10	800
Pembroke	1014.2	-16	SW	3	o/d	57	95	6	9	-	-	10	10	1500
Ross-on-Wye	1013.1	-10	WSW	3	c	63	75	7	8	-	7	2-3	10	4000
Leafield	1013.7	0	W	4	bc	62	75	8	3	-	8	2-3	4-6	2500
Cardington	1012.9	-4	W	3	c	62	75	6	5	2	-	7-8	9+	1500
Winchester	1014.5	-2	W	4	c	63	75	8	7	1	-	7-8	7-8	2500
S. Farnborough	1014.1	-4	W'S	4	c/d	64	85	7	9	-	7	7-8	9+	1500
London (Kew)	1013.6	-6	WSW	3	c	63	85	7	7	-	-	7-8	7-8	2500
Croydon	1014.1	-2	WSW	4	o/d	59	95	6	5	-	-	10	10	800
Manston	1013.1	-2	SW	3	id_o	60	95	6	6	2	-	9+	10	450
Shoeburyness	1012.9	-6	W'N	3	c	63	85	8	4	3	-	7-8	9	2500
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	1012.0	-14	W	3	c	63	75	8	5	-	-	7-8	7-8	1500
Scilly (St. Mary's)	1017.4	-24	SW	4	c	57	95	7	5	-	-	9+	9+	4000
Falmouth	1018.4	-10	SWW	5	c	58	95	6	5	3	-	4-6	7-8	4000
Plymouth	1017.1	-8	W	4	c	58	95	6	6	-	-	10	10	1500
Portland Bill	1016.1	-6	WSW	4	c	60	95	8	4	4	-	4-6	9	2500
Calshot, S'hampton	1015.3	-2	SW'S	4	c	65	75	8	7	1	-	7-8	7-8	1500
Dungeness	*	*	WSW	5	c	*	*	6	5	6	*	7-8	7-8	2500
Lympne	1013.4	-6	W	4	$d_o d_o$	59	95	5	6	-	-	10	10	2200
Guernsey	1012.1	-6	WSW	3	0	60	85	7	5	-	-	10	10	2500

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

STATIONS.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	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)
Lerwick	997.5	-38	S	2	c	52	85	6	5	2	-	4-6	10	800	0	*
Stornoway	992.0	-36	S	4	rr	54	95	6	6	-	-	10	10	4000	2	4
Wick	996.1	-20	SSW	2	$r_o r_o$	53	95	7	6	-	-	10	10	1500	1	2
Tiree	991.7	-58	SSE	6	RR	54	95	5	6	-	-	10	10	220	1	3
Nairn	994.5	*	SW	1	c	54	85	7	5	-	-	7-8	7-8	1500	1	*
Aberdeen	998.8	-36	S	3	rr	53	95	4	6	-	-	10	10	800	1	1
Malin Head	992.2	-60	S'W	5	rr	55	95	6	6	2	-	4-6	10	1500	1	2
Renfrew	998.1	-54	S	3	rr	54	95	6	5	2	-	4-6	10	800	1	*
Inchkeith (Edin.)	999.4	-44	S	1	$r_o r_o$	55	95	7	6	-	-	10	10	800	1	0
Leuchars	999.3	-46	SSW	2	$r_o r_o$	54	95	6	6	2	-	4-6	10	2500	1	*
Eskdalemuir	999.8	-60	SSW	5	RR	53	95	6	6	-	-	10	10	220	1	*
Tynemouth	1003.1	-32	S	2	$r_o r_o$	56	85	6	6	-	-	10	10	1500	1	1
Blacksod Point	996.7	-4	W	6	U	55	85	8	8	-	-	9	9	220	2	4
Aldergrove	996.8	-62	S'E	4	rr	55	95	6	6	-	-	10	10	800	1	*
Donaghadee	997.7	-28	SW	3	$r_o r_o$	55	95	7	6	2	-	7-8	9	1500	1	3
Birr Castle	998.9	-50	SSW	2	rr	56	95	6	6	-	-	10	10	1500	1	*
Holyhead	1004.3	-42	SSW	6	rr	56	95	6	6	-	-	10	10	800	1	3
Liverpool (Bidston)	1004.7	-44	S	3	rr	56	95	7	6	-	-	10	10	1500	1	*
Chester (Sealand)	1006.6	-44	S'W	2	$r_o r_o$	57	95	6	6	2	-	4-6	10	1500	1	*
Harrogate	1006.3	-26	SW	2	rd_o	56	85	6	6	2	-	2-3	10	4000	1	*
Spurn Head	1006.7	-6	SW'W	3	c	58	85	6	5	3	-	4-6	10	1500	0	2
Birmingham	1008.4	-30	SSW	3	ir	55	95	6	6	-	-	10	10	800	1	*
Cranwell	1007.8	-22	SW'N	4	c	59	85	6	6	2	-	2-3	10	2500	1	*
Gorleston	1009.4	-6	SW	2	c	59	85	6	4	2	-	4-6	10	2500	0	1
Valentia Obs.	1002.1	-18	SW	6	o/r	58	95	7	5	-	-	10	10	450	1	4
Roches Point	1002.3	-46	SW	4	rr	57	95	6	6	-	-	10	10	800	1	5
Pembroke	1006.8	-34	SW	4	RR	57	95	6	5	-	-	10	10	800	2	3
Ross-on-Wye	1009.5	-26	SW	4	ir_o	56	95	7	6	-	-	10	10	2500	1	*
Leafield	1010.8	-14	S'W	4	ir_o	55	95	7	6	-	-	10	10	800	1	*
Cardington	1010.5	-16	WSW	4	c	58	75	7	5	1	7	7-8	10	1500	0	*
Winchester	1012.7	-14	SW'S	4	o	58	85	7	5	-	-	10	10	1500	1	*
S. Farnborough	1012.4	-14	SW'S	3	c	59	85	7	5	2	-	4-6	10	1500	1	*
London (Kew)	1012.0	-10	SW	2	c	60	85	6	5	7	7	4-6	10	1500	1	*
Croydon	1012.5	-6	SSW	4	z	59	85	6	5	2	-	7-8	10	1500	1	*
Manston	1012.3	-4	SW	3	c	59	95	7	-	-	7	0	9+	-	0	*
Shoeburyness	1011.6	-12	SW	3	c	61	85	7	5	-	-	9+	9+	2500	0	*
Clacton-on-Sea	1011.4	-6	W	3	o	60	85	7	5	-	8	4-6	10	800	0	1
Felixstowe	1011.0	-10	SSW	2	c	60	88	7	5	2	-	4-6	10	2500	1	2
Scilly (St. Mary's)	1012.5	-20	SW'S	6	pr_o	58	95	7	8	-	-	9+	9+	4000	1	4
Falmouth	1013.9	-14	SW'W	6	c	58	95	7	2	2	-	4-6	9	4000	1	3
Plymouth	1012.7	-26	SW	6	id_o	58	95	6	5	-	-	10	10	450	1	3
Portland Bill	1013.0	-14	SW	6	c	59	95	7	4	-	-	10	10	1500	1	4
Calshot, S'hampton	1013.7	-14	SW	5	pr	59	85	7	5	-	-	10	10	1500	1	2
Dungeness	*	*	SW	5	c	*	*	6	5	-	*	7-8	7-8	1500	*	3
Lympne	1012.8	-2	W'S	4	z	57	85	6	5	-	-	10	10	4000	0	*
Guernsey	1016.9	-14	WSW	3	o	59	85	7	5	-	-	10	10	2500	1	3

PAST 24 HOURS. WEATHER.

STATIONS.	7h.–13h. 4th (37)	13h.–18h. 4th (38)	18h. 4th to 1h. 5th (39)	1h.–7h. 5th (40)
Lerwick	$ir_o c$	cm_o	$co ir_o m_o$	$or r_o$
Stornoway	or	orr	orrq	bc
Wick	c	$cr_o r_o$	$or r$	$or r$
Tiree	$cm_o ir_o rr$	o RR	~~rpr~~	pr_o
Nairn	c b c	b c c d	cr_o	$r_o b c$
Aberdeen	$cmr_o cb c$	c o r r m	$orri_o$	$cr_o bc$
Malin Head	$c z o d_o$	$crrm m_o$	$cir_o pi_o bc$	bc
Renfrew	$om_o ff cm_o$	$cr r$	$orrm_o cr_o$	$cbc pi_o$
Inchkeith (Edin.)	$om_o m q$	$omir_o$	$orri r_o$	bc
Leuchars	cm_o	$ccr r_o$	$cirrm_o$	$cbc v$
Eskdalemuir	$oF d_o omr_o$	$cir_o oR$	$oRRc$	$cir_o bc$
Tynemouth	c j f	$co ir_o$	oir	obc
Blacksod Point	rr	rr	prc	prc
Aldergrove	$om_o m_o c$	$ccri Ko r_o$	$orr a bc$	$bc a bc$
Donaghadee	c	$cr_o r_o$	$ir_o c$	obc
Birr Castle	corro	orr	orro	oc
Holyhead	$co c m_o m_o$	rr	$rr ir_o c q$	E c
Liverpool (Bidston)	$dm_o o$	oirr	oRrc	$cbc q$
Chester (Sealand)	$r_o b c m_o c$	$c r_o$	$cri r_o m_o q$	$cq pi_o$
Harrogate	c t c	$ci d_o$	corr	$r_o o 3$
Spurn Head	c z	bc	orrcir	$cir bc$
Birmingham	c	cor_o	orr_o	$oir c$
Cranwell	$oj cm_o$	$cm_o b c$	$cm_o r_o c$	$cpr b$
Gorleston	c	c	$cor_o r q$	$oir cq$
Valentia Obs.	$ci d_o c r r_o$	$cRRrr_o c$	$cir_o bc$	$bu c p_o c$
Roches Point	c o d d	o d o r r	orrcirc	c
Pembroke	$ci d_o$	$idrr q$	oRrq	$cq bc$
Ross-on-Wye	c b c c ⊕	c c o d	$rqd cq_o q$	$cq bcc$
Leafield	$or_o mid_o c$	cp_o	$orir_o rq$	c b c c
Cardington	$od_o cm_o$	$cm_o ⊕ cq$	$cirr or q$	$orr oc$
Winchester	$om_o id_o oc$	c	$coirm_o$	$oirc$
S. Farnborough	$odrid_o$	c	$cir_o ir$	$oirc$
London (Kew)	$od_o mbc$	b c c	corr	$orcir_o cv$
Croydon	$cm_o mdd$	cm_o	$cm_o ir_o d_o$	$cd_o v$
Manston	$om_o cm_o dr$	$cid m_o ⊕$	crq	cq
Shoeburyness	$oid_o m_o c$	c	$cr_o r_o$	c b c
Clacton-on-Sea	o c	c b c o	ogr	$ogr a bc$
Felixstowe	$om_o d_o c$	c b c	cor	$orq bc$
Scilly (St. Mary's)	$off c$	cp_o	$corr c$	c
Falmouth	$cid_o m_o$	$cp_o m_o q$	$oRm_o q$	$orqm_o bc$
Plymouth	c o r o m_o	$com d_o d_o q$	$omo gir$	c
Portland Bill	c	c	RRc	cRRc
Calshot, S'hampton	$cm_o c$	c	$cr_o r q m_o$	$od_o d_o q q d_o$
Dungeness	o	o	*	p
Lympne	odd Fom	$od m_o com_o$	$cr or m_o$	$odd f cv$
Guernsey	o z p r o	o p r o	o p r o r	$or o pr$

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

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

Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus,

R, heavy rain. r_o, slight rain. rr, continuous rain.

<, less than (for cloud height).

⊕, solar halo. ☾, lunar halo.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29.—STATE OF GROUND.

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

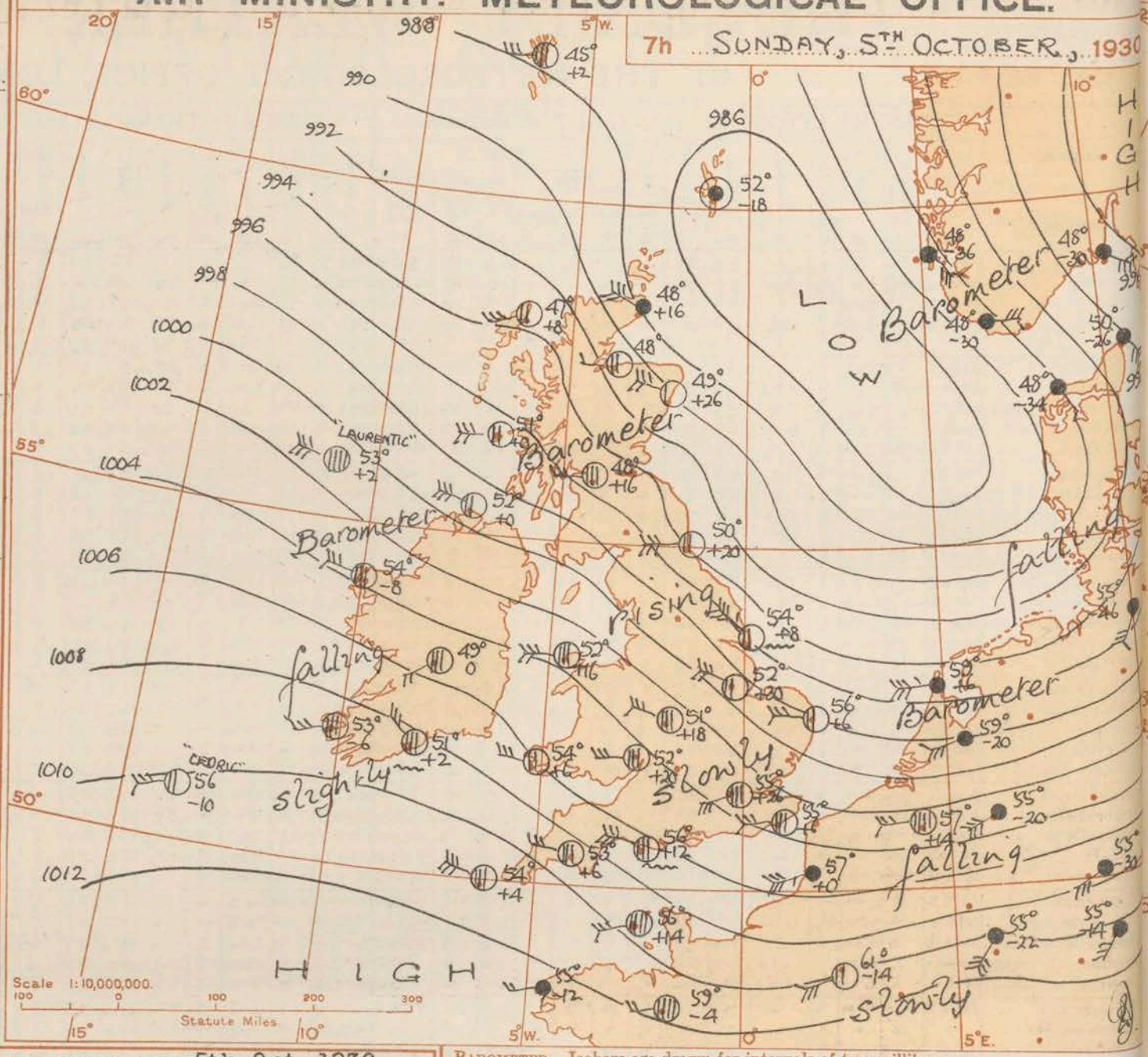
REPORTS from HEALTH RESORTS for 4th OCTOBER 1930.

STATIONS.	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. 9h. 3rd to 9h. 4th	TEMPERATURE. Max. 9h.—17h. 4th	RAINFALL. Night, 17h. 3rd to 9h. 4th	RAINFALL. Day. 9h.—17h. 4th	SUNSHINE. Sunrise to 17h. 4th	SUNSHINE. Sunrise to Sunset 3rd
Dunbar ...	of	or	49	58	3	Tr.	0.0	0.1
Berwick-on-T. ...	o	o	49	57	2	-	0.0	2.2
Douglas	cbm	comRR	50	57	4	5	1.2	0.1
Llandudno ...	c	cr	54	61	17	1	0.4	0.5
Colwyn Bay ...	robco	oorr	53	61	17	0.3	1.0	1.5
Rhyl	cmo	cpr	53	61	18	0.3	1.4	1.4
Wallasey ...	o	or	51	59	16	0.3	0.0	(0.8)
Southport ...	oc	or	53	58	17	3	0.6	0.5
Blackpool ...	bcc	oor	53	58	17	1	1.0	0.3
Morecambe ...	o	oorr	52	58	16	1	0.0	0.0
Ilkley	c	c	47	58	10	-	0.0	0.1
Cleethorpes ...	Rofm	cbm	51	62	10	-	4.0	5.3
Mablethorpe ...	ocbco	bccom	53	63	8	-	4.5	?
Skegness... ...	bcoef	obco	55	58	4	-	4.2	5.1
Aberystwyth ...	crrc	corr	55	58	17	1	0.0	4.2
Bath	cbc	bccd	54	62	3	Tr.	1.2	0.6
Cheltenham ...	omc	co	53	63	4	Tr.	1.4	4.3
Leamington Spa	ocbc	bcco	53	64	13	-	2.2	5.2
Lowestoft ...	coir	odcb	54	62	0.4	Tr.	2.2	9.8
Dovercourt ...	bc	oc	56	60	-	-	2.1	9.5
Maldon	odc	cbc	52	65	1	-	1.7	7.1
Southend ...	c	bcco	56	66	1	-	0.7	8.0
Ilfracombe ...	o	o	57	59	93	-	0.0	0.4
Bude	oc	oe	51	59	4	Tr.	0.0	0.0
St. Ives	d	pr	55	60	3	1	0.0	0.0
Penzance ...	orc	cir	57	60	3	0.3	0.0	0.0
Torquay	po	ocod	58	64	1	Tr.	1.5	0.0
Jersey	rqc	pc	60	61	0.2	0.2	0.3	4.8
Weymouth ...	cbc	c	58	63	1	-	1.8	0.0
Bournemouth ...	cob	bbco	55	63	1	-	3.0	1.0
Ventnor	rome	coru	58	62	1	Tr.	3.3	3.9
Southsea ...	o	bbco	58	65	1	-	2.7	3.6
Bognor Regis ...	cbc	bcco	56	64	1	Tr.	1.7	4.1
Littlehampton ...	cbc	bcc	56	63	-	-	2.1	4.6
Worthing ...	ocbc	bc	56	64	1	-	2.1	5.5
Brighton... ...	bcbc	bcc	58	63	2	-	1.6	6.2
Eastbourne ...	oc	co	57	63	1	-	2.0	7.4
Hastings †	moc	cbcc	58	64	-	0.2	0.4	7.1
Folkestone ...	odc	dco	55	64	0.2	Tr.	0.4	8.5
Dover	oldc	c	56	63	0.3	Tr.	0.5	8.8
Deal	oor	oc	56	64	-	1	0.6	8.2
Tunbridge Wells	odoc	oco	54	62	Tr.	0.3	1.0	7.0
Ramsgate ...	cr	opc	57	63	0.2	2	0.6	9.2
Margate	crcr	bc	56	64	Tr.	1	0.9	9.5

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

AIR MINISTRY. METEOROLOGICAL OFFICE.

7h ... SUNDAY, 5TH OCTOBER, 1930



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 5th Oct. 1930.
1. S.E. England 2. E. England... 3. E. Midlands	Wind west backing southwest and becoming fresh or strong; cloudy with some bright intervals, showers; rather cool.
4. W. Midlands 5. S.W. England 6. South Wales	Wind west moderate or fresh, backing and increasing to strong later; bright periods, local showers at first probably some rain later; moderate temperature.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind west fresh, backing southwest and becoming strong later; cloudy with some bright intervals; some rain or showers; moderate temperature.
12. S.W. Scotland & Isle of Man 13. A. W. Scotland B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Fresh or strong westerly winds, backing and increasing again later; mainly cloudy with bright intervals at first, some rain or showers; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Fresh westerly winds, backing towards south and becoming strong; cloudy, some rain or showers; moderate temperature.

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

GENERAL INFERENCE.

A depression over the North Sea is moving southeast while another depression off Southwest Iceland will move southeast. Winds will back towards southwest and become strong again in the West and Northwest. Weather will be showery with bright intervals at first and rain later in the western and northwestern districts.

FURTHER OUTLOOK.

Unsettled with some rain in most districts.

"Times of issue of Gale Warnings".

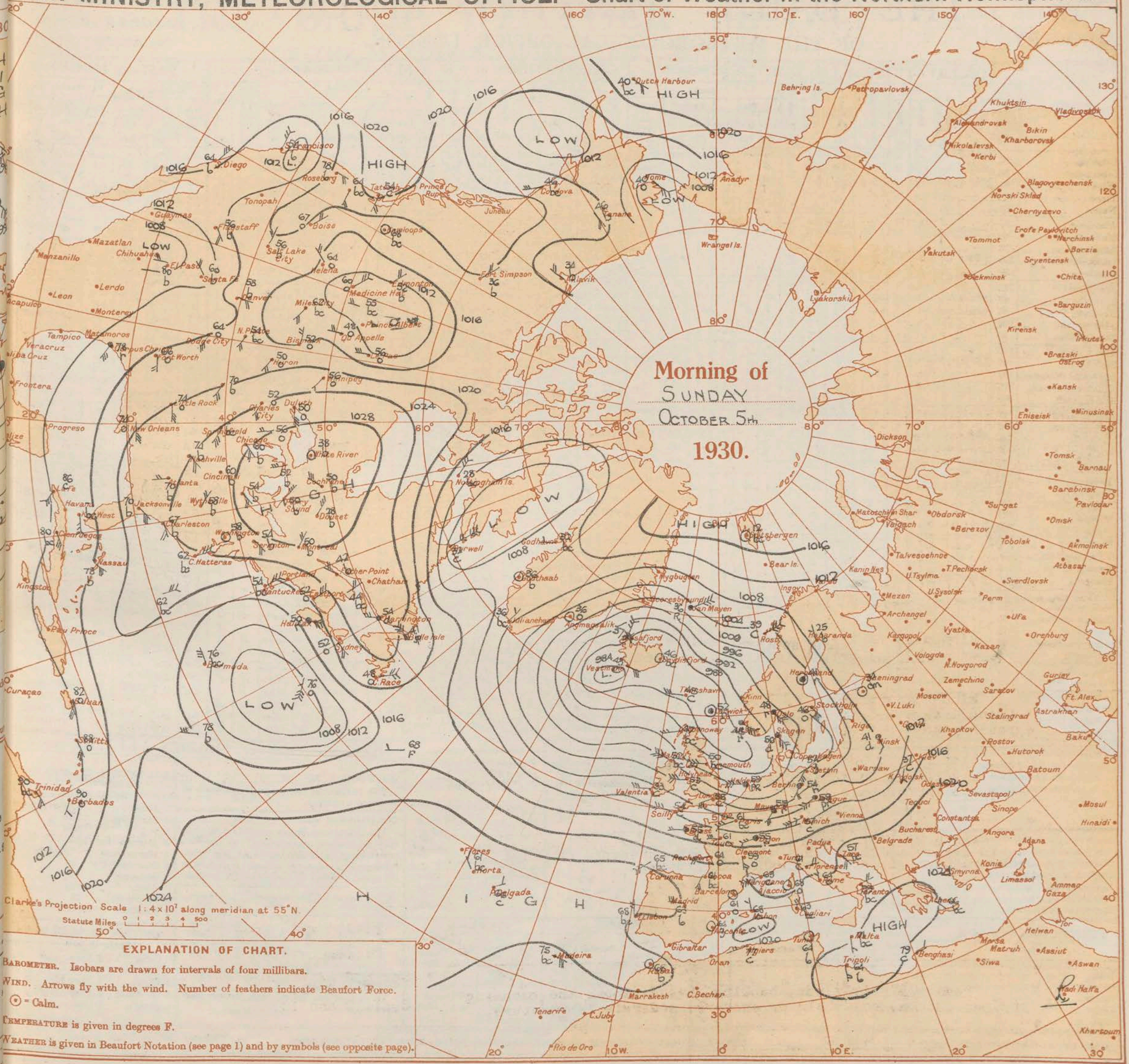
▼ South Cone at 0820 on 4th in 13A, 13B, 15, 16, 17, 18 and 20; and at 1730 on 4th in 5, 6, 7, 8, 11, 12 and 19.

Forecasts issued at 1100 G.M.T.

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

H.M. Stationery Office Press, Kingsway W.C.2.
Pa.2495/2/36. Wt.26. D.8025. Gp.908. 2821O. 10/30.

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


Morning of
SUNDAY
OCTOBER 5th
1930.
HIGH
LOW
Dutch Harbour
Behring Is.
Petropavlovsk
Khuktsin
Vladivostok
Alexandrovsk
Bikin
Kharborovsk
Nikolaievsk
Kerbi
Anadyr
Blagovyeschensk
Norski Sklad
Chernyaevo
Erofe Pavlovitch
Tammot
Narchinsk
Borzia
Sryentensk
Yakutsk
Olekminsk
Chita
Barguzin
Kirensk
Irkutsk
Bratski Ostrog
Kansk
Eniseisk
Minusinsk
Dickson
Tomsk
Barnaul
Barabinsk
Surgat
Pavlodar
Matotchkin Shar
Obdorsk
Omsk
Berezov
Tobolsk
Akmolinsk
Talvesoehnoe
T.Pechorsk
Atbasar
Kanin Nes
U.Tsylma
Sverdlovsk
U.Sysolsk
Perm
Mezen
Archangel
Ufa
Vyatka
Orenburg
Kargopol
Kazan
Vologda
N.Novgorod
Leningrad
Zemechino
Moscow
Saratov
Gurjev
Ft. Alex
Astrakhan
V.Luki
Stalingrad
Kharkov
Rostov
Hutorok
Baku
Batoum
Sevastapol
Sinope
Mosul
Hinaidi
Angora
Adana
Konia
Smyrna
Limassol
Ammar
Gaza
Helwan
Assiut
Aswan
Wadi Halfa
Khartoum
Siwa
Matruh
Benghasi
Malta
Tripoli
Tunis
Algiers
Gibraltar
Madeira
Tenerife
C.Juby
Rio de Oro
Marrakesh
C.Bechar
Oran
Cagliari
Palermo
Naples
Rome
Florence
Genoa
Turin
Padua
Belgrade
Bucharest
Constantsa
Vienna
Prague
Berlin
Warsaw
Kiev
Minsk
Riga
Stockholm
Oslo
Skagen
Copenhagen
Stettin
Hamburg
Aberdeen
Lerwick
Kinn
Thorshavn
Jan Mayen
Scoresbysund
Ingnerit
Godthaab
Julianehaab
Angmagsalik
Bear Is.
Spitsbergen
Hammerfest
Vardo
Mygbugten
Barrow
Nordenham Is.
Cochrane
Belle Isle
Sydney
Harrington
Port aux Basques
Anticosti
Father Point
Chatham
Portland
Boston
C.Hatteras
Charleston
Jacksonville
Havana
Nassau
Kingston
Port Prince
Curaçao
Trinidad
Barbados
Bermuda
C. Race
Montreal
Toronto
Detroit
Chicago
Cincinnati
Nashville
Atlanta
Pensacola
Key West
Progreso
Veracruz
Tampico
Frontera
Belize
Salina Cruz
Acapulco
Manzanillo
Mazatlan
Guaymas
Tonopah
Roseburg
San Francisco
San Diego
Juneau
Prince Rupert
Tatoosh
Vancouver
Kamloops
Boise
Salt Lake City
Flagstaff
Santa Fe
El Paso
Chihuahua
Leon
Lerdo
Monterey
Matamoros
Corpus Christi
Fort Worth
Dodge City
Denver
Medicine Hat
Edmonton
Fort Simpson
Milavik
Lyakorskii
Wrangel Is.
Canaro
Cordova
Prince Albert
Winnipeg
Duluth
Charles City
Little Rock
New Orleans
Memphis
Cincinnati
White River
Cochrane
Nottingham Is.
Burwell
Godthaab
Julianehaab
Angmagsalik
Vestmanna
Thorshavn
Jan Mayen
Scoresbysund
Bear Is.
Spitsbergen
Hammerfest
Vardo
Ingnerit
Mygbugten
Barrow
Kinn
Lerwick
Aberdeen
Hamburg
Stettin
Copenhagen
Skagen
Oslo
Stockholm
Riga
Minsk
Kiev
Warsaw
Berlin
Prague
Vienna
Munich
Paris
Brest
Plymouth
Valentia
Scilly
Falmouth
Cleemont
Rochefort
Coruña
Oporto
Barcelona
Madrid
Lisbon
Gibraltar
Tangier
Oran
Algiers
Cagliari
Palermo
Naples
Rome
Florence
Genoa
Turin
Padua
Belgrade
Bucharest
Constantsa
Sevastapol
Batoum
Sinope
Angora
Adana
Konia
Smyrna
Limassol
Ammar
Gaza
Helwan
Assiut
Aswan
Wadi Halfa
Khartoum
Siwa
Matruh
Benghasi
Malta
Tripoli
Tunis
Algiers
Gibraltar
Madeira
Tenerife
C.Juby
Rio de Oro
Marrakesh
C.Bechar
Oran

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

5th OCTOBER 1930.

No. 25.154

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

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
Lerwick	54	989.4	-4.0	S	2	10	52	95	6	6	-	-	10	10	800
Stornoway ...	34	989.3	+1.4	NW	8	10	49	95	7	6	1	-	7-8	10	4000
Wick	81	987.1	-3.6	SSW	3	10	52	95	7	6	-	-	10	10	1500
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	999.9	+3.0	NW	6	0c	54	86	8	4	3	-	2-3	2-3	2500
Malin Head ...	51	•	•	•	•	•	•	•	•	•	•	•	•	•	-
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	-
Inchkeith (Edin.)	190	988.6	+3.0	WSW	5	0c	56	86	8	-	4	-	0	2-3	-
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir ...	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth ...	67	990.5	-3.6	WSW	2	0/r	55	95	7	6	-	-	10	10	1500
Blacksod Point ...	10	1004.5	+3.6	W	6	C	53	75	7	9	5	-	2-3	10	2200
Aldergrove ...	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee ...	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle ...	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	999.8	+1.8	WNW	7	9	56	85	7	5	-	-	9	9	2500
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate... ...	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head ...	29	993.9	-3.0	SSW	5	0/r	57	95	7	6	2	-	4.6	10	4000
Birmingham ...	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	244	996.0	-5.6	SW	6	C	57	95	8	6	-	-	9+	9+	4050
Gorleston	14	1000.0	-4.8	SW	5	10	57	95	6	6	-	-	10	10	800
Valentia Obs.† ...	30	1009.0	0	W	4	0c	55	85	9	4	-	-	4.6	4.6	4000
Roches Point ...	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke... ...	150	1001.0	+1.0	W	3	C	55	85	7	3	6	-	4.6	9	1500
Ross-on-Wye ...	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington ...	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester ...	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew) ...	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1003.0	-5.2	SW	5	10	59	95	7	5	2	-	7-8	10	1500
Manston	136	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness ...	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea ...	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe ...	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1009.2	-2	WNW	7	C	55	95	8	8	8	-	4.6	7-8	4000
Falmouth... ...	200	1008.6	-1.0	W	7	4	58	95	6	9	-	-	10	10	2500
Plymouth... ...	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill ...	32	1003.1	-3.6	WSW	8	C	60	95	7	4	-	-	9+	9+	1500
Calshot, S'hampton	8	1004.4	-4.2	SSW	7	d.d.	59	95	6	5	-	-	10	10	4050
Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	347	1004.5	-6.0	SW	6	10	57	95	6	6	-	-	10	10	4050
Guernsey	173	1010.2	-3.0	SW	5	4	59	95	6	6	-	-	10	10	1500

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

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
986.6	-7.8	-	0	10	52	95	7	6	-	-	10	10	1500	1	*
994.0	+3	WSW	3	0c	47	85	8	8	6	-	4.6	4.6	4000	1	1
987.5	+1.6	WNW	5	10	48	95	7	6	-	-	10	10	1500	1	3
996.7	0	W	5	0c	51	75	8	2	-	1	4.6	4.6	4000	1	3
992.2	•	W	1	0c	48	85	8	2	8	-	2-3	4.6	4000	0	*
989.7	+2.6	WNW	5	C	49	75	8	6	4	-	Tr.	4.6	1500	1	2
999.0	0	WNW	6	0c	52	95	8	8	6	1	2-3	4.6	1500	0	3
995.4	+1.6	W	3	c/br	48	85	8	8	-	-	7-8	7-8	1500	1	*
994.3	+3.0	WSW	5	0c	51	65	8	-	4	-	0	2-3	-	0	3
993.7	+2.4	W	4	0c	50	65	9	4	-	-	4.6	4.6	4000	1	*
995.7	+2.8	W'N	4	0c	46	75	9	8	4	-	4.6	4.6	1500	1	*
993.6	+2.0	W	6	0c	50	85	7	2	-	-	2-3	2-3	2500	1	2
1003.6	-.8	WNW	4	C	53	75	8	8	6	-	2-3	9	4050	1	3
1001.3	+.6	SW'W	3	C	49	85	8	8	9	3	4.6	7-8	1500	1	*
1000.3	+.8	SW	2	0c	48	85	8	5	3	9	2-3	4.6	4000	0	1
1005.5	0	SW	2	C	49	85	7	5	-	-	9+	9+	2500	1	*
1004.3	+.6	W	5	C	52	75	8	5	-	-	2-3	9	1500	1	3
1001.3	+1.4	W	7	0c	52	65	8	8	-	2	2-3	4.6	2500	0	*
1002.1	+.2	W'N	5	C	52	75	8	5	-	4	2-3	7-8	2500	1	*
998.3	+.6	SW	4	6	49	75	9	6	-	9	Tr.	Tr.	4000	1	*
995.1	+.8	NW	7	0c	53	75	7	4	-	1	2-3	4.6	4000	1	5
1002.6	+.8	WNW	4	C	51	75	8	5	-	8	1	7-8	4000	1	*
999.4	+3.0	WNW	5	0c	52	85	8	5	-	1	1	2-3	1500	1	*
997.7	+.6	W'N	4	0c	56	85	7	7	-	-	4.6	4.6	4000	0	3
1008.3	-.6	W'S	3	C	53	85	8	5	2	-	9	10	1500	1	3
1008.3	+.2	NW	3	C	51	95	8	4	-	-	9	9	1500	0	4
1005.9	+.6	WNW	3	0c	53	75	8	8	4	9	4.6	4.6	2500	1	3
1004.2	+.2	W	3	C	52	75	8	5	7	6	2-3	9+	4000	1	*
1003.5	+.0	WNW	4	C	51	85	8	6	3	8	Tr.	7-8	1500	1	*
1001.6	+.2	W'S	4	C	53	85	8	5	4	-	9	9+	1500	1	*
1004.4	+.2	W	3	C	53	85	8	5	3	-	4.6	7-8	4000	1	*
1003.7	+.2	W	4	C	53	85	8	5	3	2	7-8	9+	2500	1	*
1003.4	+.6	WSW	3	C	55	75	9	5	9	2	4.6	9+	2500	1	*
1003.8	+.0	W	4	C	53	75	8	5	2	5	4.6	7-8	2500	1	*
1009.2	+.4	W	5	9	57	85	8	5	-	2	7-8	9+	2500	1	*
1002.2	+.0	WNW	4	C	56	85	8	5	1	-	2-3	7-8	4000	0	*
1000.3	+.0	W	4	0c	58	85	7	9	-	-	4.6	4.6	4050	0	*
1000.9	+.4	W	4	C	57	75	8	5	-	6	2-3	7-8	5700	1	*
1010.2	+.4	WNW	5	C	54	95	7	8	9	8	2-3	7-8	4000	0	3
1010.0	+.6	WNW	3	C	53	75	8	4	3	-	4.6	7-8	4000	1	2
1008.6	+1.4	WNW	3	C	53	75	8	5	6	8	1	9	4000	1	3
1006.3	+.2	W'N	6	C	56	85	8	8	5	2	4.6	9+	1500	1	5
1005.1	+.6	SW'W	4	C	54	85	7	5	4	-	4.6	9	1500	1	1
1003.1	+.6	W	4	C	55	85	9	5	3	-	7-8	9	1500	1	*
1009.2	+1.4	WNW	4	c/br	56	85	7	5	-	-	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)	Night 18h-7h mm. (35)	SUNSHINE 4th Hrs. (36)
53	51	*	0.6	5	0.1
55	46	*	3	10	0.0
53	48	*	1	9	*
55	49	44	12	4	0.0
58	46	*	0.5	6	0.9
62	49	45	1	5	2.0
56	50	*	5	2	0.0
57	48	43	3	6	0.0
56	47	50	0.4	5	0.0
57 HS	48	41	1	5	0.8
53	49	39	5	19	0.0
61	50	45	0.4	5	*
57	50	* 27+0	0.2	2	*
57	46	42	8	2	0.0
59	48	*	5	3	*
58	47	42	6	2	0.0
58	52	49	7	2	0.0
59	52	48	0.5	2	0.0
63	51	47	0.4	0.6	0.8
58	49	45	Tr.	3	2.4
61	50	*	-	2	4.1
61	50	47	0.5	3	1.0
61	51	48	-	1	3.1
62	54	52	-	2	1.9
58	52	44	15	0.5	0.0
58	49	*	6	6	*
57	53	*	3	4	0.0
63	52	48	0.1	2	1.8
63	50	47	0.4	3	1.1
64 48	49	Tr.	-	1	1.2
64	52	49	0.1	3	1.6
67	53	48	0.5	2	2.0
65	55	52	0.2	1	2.1
64	52	52	1	2	1.2
63	56	53	1	2	0.6
60	52	50	0.4	7	0.0
61	55	* 78	-	6	*
65	53	50	Tr.	6	2.3
60	55	52	0.4	3	0.4
61	56	44	1	4	0.0

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day. mm.	Rainfall Night. mm.	Sunshine to Sunset. hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
KEW	18	cd,m 6c	6cC	carrage	65	55	52	0.2	1	2.1	•	•	8
CROYDON	244	cm,nd,d	cm,	cm,nd,v	64	55	52	1	2	1.2	•	•	8
GREENWICH (Royal Observatory) ...	149	cdc	c⊕c	c,d,d,f	64	54	47	1	1	0.6	80	76	
CITY (Bunhill Row)	—	•	•	•	•	•	•	•	•	2.0	•	•	•
WESTMINSTER (St. James' Park) ...	27	•	•	•	65	56	51	3			69	72	•
REGENTS PK. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	•	2.0	•	•	•
CAMDEN SQUARE	110	0/c	C	•	65	54	*	0.3	2	•	•	88	•
KENSINGTON PALACE	80	6c,r,6c	C,O	•	66	55	48	1	2	•	At 18h. 75		•
HAMPSTEAD OBSERVATORY	450	6c,r,m	0/r,m	•	64	50	44	0.5	2	2.2	•	83	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

SOUTH KENSINGTON. Max.	Time.	Min.	Time.
1.0	8h 11th	2.3	21h 11th to 8h 5th.

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0.2	18h 4th	<0.1	0-6h 5th

FOREIGN OBSERVATIONS.

STATIONS.	18h. G.M.T. 4th OCTOBER. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 5th OCTOBER. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS						1009.7	WSW	4	C	61
BRUSSELS	1013.2	W'S	3	C	59	1002.3	W	4	0/r	57
BERLIN	1011.9	SSE	2	0	55	1002.0	SW	2	r/s	54
ZÜRICH	1022.8	WSW	2	r	57	1017.1	WNW	4	r/s	59
ROME						1021.0	N	1	C	64

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
	57		2
63	55	0.4	2
57	52	Tr.	3
64	52	11	0.4
	52		-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
6th October 1930.
No. 25155

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

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)
Lerwick	985·3	-4	WNW	3	c. r.	47	95	7	6	-	-	10	10	1500
Stornoway	991·2	-18	W	3	c pr	50	78	7	3	6	1	4-6	7-8	4000
Wick ~~989·7~~ ~~991·2~~	994·6	+4	W	3	c	52	85	8	3	-	1	4-6	7-8	2500
Tiree	994·6	-14	WSW	3	c pr	49	85	8	3	-	3	7-8	7-8	2500
Nairn	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Aberdeen	991·4	0	NW	4	c	56	55	7	1	4	3	4-6	7-8	2500
Malin Head	996·4	-18	WSW	5	c pr	52	95	7	9	1	-	7-8	7-8	1500
Renfrew	996·2	-6	W	3	c	52	95	7	8	-	-	4-6	7-8	1500
Inchkeith (Edin.)	994·0	-10	WSW	5	c	53	75	8	8	1	-	2-3	4-6	4000
Leuchars	993·4	-10	W	6	c	57	55	9	2	4	-	2-3	2-3	4000
Eskdalemuir	995·5	-12	W	3	c	50	85	8	3	4	-	4-6	4-6	1500
Tynemouth	995·4	-10	W	4	c pr R	55	65	7	2	6	-	4-6	4-6	2500
Blacksod Point	1000·4	-14	W	5	c	50	85	8	3	1	-	10	10	800
Aldergrove	998·6	-14	WSW	3	c pr	49	85	8	9	2	-	7-8	10	800
Donaghadee	998·2	-10	SW	2	c r.	51	95	7	9	2	-	4-6	7-8	1500
Birr Castle	1001·5	-20	SW	2	c	57	75	8	8	-	-	9+	9+	2500
Holyhead	1002·4	-14	W'S	5	c	56	75	8	4	3	-	7-8	9+	2500
Liverpool (Bidston)	1000·4	-2	W'S	6	c	54	65	8	8	3	1	2-3	7-8	2500
Chester (Sealand)	1002·0	-2	W	4	c	56	65	8	8	3	-	4-6	7-8	2500
Harrogate	998·7	0	SW	4	c pr.	54	65	8	3	-	1	2-3	2-3	2500
Spurn Head	997·2	0	WNW	6	c	56	65	8	8	7	1	4-6	9	4000
Birmingham	1002·6	-6	WNW	4	c	55	65	8	8	3	-	7-8	9	2500
Cranwell	1000·6	-6	WSW	4	c	57	75	7	9	1	-	2-3	7-8	2500
Gorleston	1000·3	+4	W	4	c	55	75	7	8	-	-	2-3	9+	2500
Valentia Obs.	1005·2	-20	W	4	c pr	51	75	8	8	-	-	7-8	7-8	2500
Roches Point	1005·2	-18	NW	3	c	55	75	8	3	-	-	7-8	7-8	2500
Pembroke	1004·9	-10	W'S	4	c	55	75	8	6	1	-	4-6	9+	2500
Ross-on-Wye	1003·6	-10	W'S	4	c	54	75	8	8	-	-	7-8	10	2500
Leafield	1003·8	-6	W'S	5	c	52	75	8	8	-	-	5	10	2500
Cardington	1003·0	-4	WS	4	c	57	65	8	8	3	-	4-6	7-8	1500
Winchester	1004·8	-10	W	4	c	55	65	8	5	2	-	7-8	9	2500
S. Farnborough	1004·6	-6	WSW	3	c	56	65	8	5	1	-	4-6	10	4000
London (Kew)	1004·0	-14	W'S	4	c	56	65	8	8	2	-	7-8	10	4000
Croydon	1004·6	-10	W'S	3	c	55	65	8	8	2	-	7-8	10	1500
Manston	1003·0	-6	W	3	c	56	65	8	5	1	-	4-6	9+	4000
Shoeburyness	1003·0	0	W	4	c	57	95	8	4	2	-	4-6	9+	2500
Clacton-on-Sea	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Felixstowe	1002·2	-6	W	4	c	57	55	8	5	1	-	2-3	10	2500
Scilly (St. Mary's)	1008·1	-24	WS	4	c	58	95	8	8	4	-	2-3	9	4000
Falmouth	1008·5	-16	W	5	c	66	75	8	3	3	-	2-3	7-8	4000
Plymouth	1006·8	-22	WSW	4	c	57	65	8	6	1	-	4-6	9+	1500
Portland Bill	1005·9	-12	W'N	5	c	58	95	8	8	1	-	4-6	9+	1500
Calshot, S'hampton	1005·4	+10	WSW	4	c	58	55	8	7	2	-	4-6	9+	1500
Dungeness	"	"	"	4	c	"	"	7	4	3	*	7-8	9+	800
Lympne	1003·8	-12	W	4	c	55	65	8	5	2	-	4-6	10	5700
Guernsey	1008·5	-16	W	3	c	59	75	7	5	-	-	7-8	~~10~~ 7-8	2500

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

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 6-12 (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)
985·1	+2	NNW	3	r.	48	85	7	6	-	-	10	10	1500	1	·
990·2	+4	WSW	1	be	47	85	7	3	6	1	2-3	4-6	4000	1	2
989·0	-4	W	2	c	46	95	8	8	-	2	4-6	7-8	1500	0	2
993·4	-2	W'N	5	c	49	75	8	8	-	3	7-8	7-8	2500	1	3
990·0	·	W	1	c	×8	85	9	8	-	·	7-8	7-8	×000	0	·
990·5	-4	WNW	3	c	49	75	8	8	7	8	4-6	9	2500	1	1
995·1	0	W	3	be jp	51	95	7	8	3	-	4-6	4-6	1500	0	4
992·9	-16	W	3	c pr	47	95	7	8	8	1	4-6	7-8	1500	1	·
992·3	-10	WSW	4	c	50	85	7	8	5	4	2-3	9	1500	0	2
991·9	-10	SW	3	bc	45	85	8	5	4	2	2-3	4-6	4000	1	·
993·4	-18	W	3	q	45	85	8	6	1	-	7-8	10	800	1	·
994·2	-8	W	2	r	50	75	8	6	-	-	10	10	1500	1	2
999·9	-4	WNW	5	c	50	75	8	9	-	-	4-6	4-6	800	1	5
996·8	-6	WSW	3	c pr	47	85	8	9	7	3	4-6	7-8	1500	1	·
995·6	-4	WSW	2	c	48	85	7	5	-	-	7-8	7-8	2500	1	0
1000·6	-2	WSW	2	bc	50	85	8	3	-	-	2-3	2-3	4000	1	·
998·5	-22	~~NNW~~ W'N	7	c pr R	51	85	8	8	8	-	9	9	1500	1	3
996·8	-14	W	2	c pr	47	95	7	6	-	-	10	10	1500	1	·
998·2	-18	SW'W	2	c pr	51	85	8	8	-	-	9	9	2500	1	·
996·0	-14	SSW	1	c pr	48	85	7	6	-	-	7-8	9+	2500	1	·
995·2	-8	WNW	5	c	53	75	7	8	1	8	4-6	9+	4000	0	3
999·1	-24	WSW	3	bc	51	85	8	6	4	-	4-6	4-6	2500	1	·
997·1	-20	SW	3	c	47	95	8	5	4	-	4-6	7-8	2500	1	·
998·9	-10	SW	5	c	53	85	8	6	4	-	7-8	7-8	4000	0	2
1005·1	+4	W'N	5	c jp	53	75	8	8	-	-	9	9	1500	1	4
1003·0	+2	NNW	3	bc	54	75	9	3	-	-	4-6	4-6	1500	0	3
1000·0	-4	~~W'S~~ ~~3+~~	3+	q r.	51	95	7	8	6	-	9	9	1500	1	3
999·8	-26	SW	3	c	51	85	8	7	5	2	7-8	9	2500	1	·
999·5	-26	SW	5	c	49	85	8	7	5	-	9	9	4000	1	·
999·3	-20	SW	4	bc	50	85	7	4	3	-	4-6	4-6	4000	1	·
1001·2	-18	WSW	2	c pr	51	85	8	5	2	-	7-8	10	2500	1	·
1001·2	-20	WSW	3	c	51	85	8	5	5	-	9+	9+	4000	1	·
1000·3	-24	SW'W	3	bc	53	75	6	5	3	-	4-6	4-6	2500	1	·
1001·2	-26	SW'W	3	3	52	75	6	5	5	-	2-3	7-8	5700	1	·
1000·1	-20	WSW	3	3	51	85	7	5	2	-	1	9+	4000	0	·
1000·2	-20	W	4	c	53	95	7	5	2	-	7-8	9+	4000	0	·
1000·0	-20	WSW	4	c	53	75	7	5	8	-	4-6	7-8	450	0	2
999·7	-20	SW	3	c	53	75	8	5	7	9	2-3	7-8	5700	0	2
1005·0	-14	W	6	c pr	54	95	8	8	8	-	7-8	9	4000	1	3
1003·4	-20	W	5	c	54	85	8	8	8	-	4-6	7-8	4000	0	3
1001·3	-20	W	5	c	56	75	8	8	4	-	4-6	7-8	2500	0	5
1001·7	-24	WSW	3	c	54	75	8	5	2	-	9	10	2500	0	5
×	×	W	4	c	×	×	7	5	-	×	9+	9+	1500	×	4
1000·7	-22	W'S	3	c	50	75	8	-	2	-	0	10	-	1	·
1004·7	-12	W	3	pr	55	75	7	6	3	-	4-6	7-8	1500	1	3

PAST 24 HOURS.

WEATHER. 7h.—13h. G.M.T. (37)	13h.—18h. G.M.T. (38)	18h. G.M.T. to 1h. G.M.T. (39)	1h.—7h. G.M.T. (40)
or. r.	or. r. ir.	cir.	cor.
be pr	be pr	be pr	be pr
r. be	be pr	c pr ir	c ir
be pr R	be c pr R	c be pr q	pr
be pr	be pr	be pr	be x
be be q be	be c	be	be
be c PR	be c jp	be c ph r	c PR
be c pr	c pr	c pr be b	be p r be
be	be pr	c be	be b
be v be v y	be v y	be w	be w
be pr. o be	c pR c	c pr b	b be c
be q	be o ir.	air. o be	be
jp be c r R q	c pr. be	be a pr	c pr p.
air.	air. c	be	be pr.
c pr	c pe be	be	be c
c be c	e. PR q	c	c q
be q c q	c pr q c	c R pr	p be q
be q	c be pr	cr	c R ir q
be c p	be c p	c p c p	c be p
c pr. be	c p. be	cir.	c be
be c	be c	be c pr	c pr. be
c be	c p. be q	be c pr	c pr. be
c	c	c	c
c	c	c	c
c	c	c	c
c v c u	c be 3.	be r. be	be w
c	c 3.	cm r r.	be c w
c q	c	c r be	be b
c c	c	c be	be b
c	c	c	b
c	c	c r be b	b
c	c	c or r be	be b
c	c	c be	be
c	c	c be	be
c	c	c be	be
c v	c v c	c pr. c	be be w y
o c	c o c pr	c pr be	be e pr

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

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

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

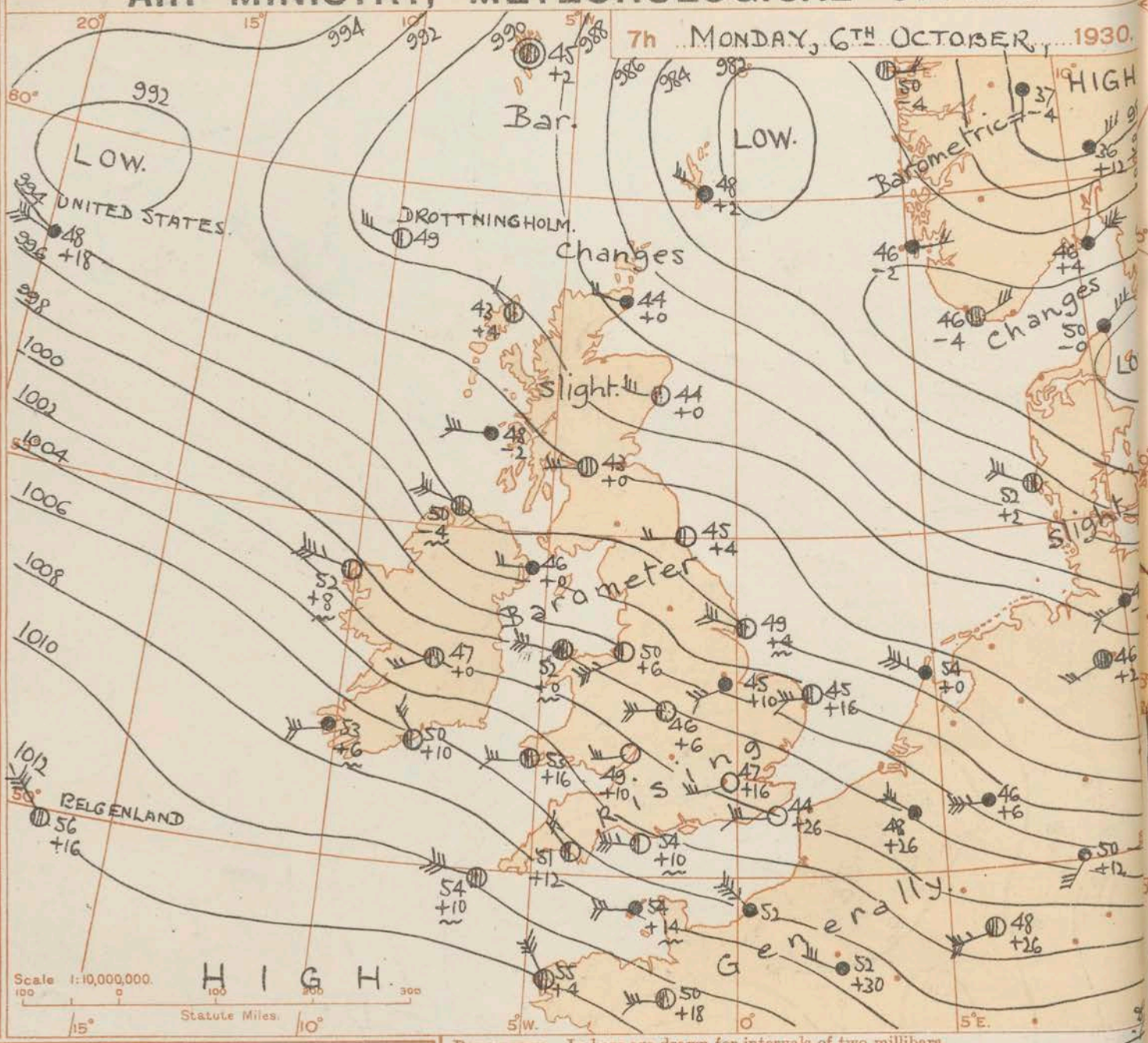
REPORTS from HEALTH RESORTS for 5th October 1930.

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. to 9h.	Temperature. Max. 9h.—17h.	Rainfall. Night. 17h. to 9h.	Rainfall. Day. 9h.—17h.	Sunshine. Sunrise to 17h.	Sunshine. Sunrise to Sunset.
Dunbar	cr.b	bc	47	56	4	-	5.0	0.0
Berwick-on-T.	Rc	c	47	57	5	-	6.2	0.0
Douglas	cbbc	bcbcirRc	48	56	9	5	6.2	1.2
Llandudno	bc	cbccr	52	56	4	1	5.3	0.4
Colwyn Bay	obrb	obcobo	51	58	5	trace	5.0	1.0
Rhyl	bc	bccpr	52	57	3	0.3	6.0	1.4
Wallasey	bc	bcoir	53	58	3	0.5	4.4	0.0
Southport	bcc	cpcirhc	52	56	13	5	5.8	0.6
Blackpool	cbc	bccb	52	58	15	0.1	6.8	1.0
Morecambe	bc	bcc	51	56	21	-	4.7	0.4
Ilkley	bcp	bc	47	55	7	0.6	3.3	0.0
Cleethorpes	cb	bcw	52	57	2	-	4.0	4.0
Mablethorpe	bcc	cbcc	53	58	3	-	4.9	4.5
Skegness	bco	obco	52	59	1	-	6.1	4.2
Aberystwyth	orrc	cqpr	55	57	8	trace	3.1	0.0
Bath	c	cir.	54	56	5	0.3	0.0	1.2
Cheltenham †	c	cpc	52	58	3	trace	0.2	1.4
Leamington Spa	oc	cbc	52	57	1	-	1.4	2.2
Lowestoft	ucbc	bccbc	49	57	3	-	3.4	2.2
Dovercourt	bc	bc	55	59	-	-	0.3	2.1
Maldon	c	c	55	59	1	-	0.2	1.7
Southend	c	c	55	61	1	-	0.8	0.7
Ilfracombe	or	or	56	57	9	3	0.0	0.0
Bude	o	op.	54	57	7	trace	0.4	0.0
St. Ives	c	o	54	60	9	-	0.5	0.0
Penzance	bc	c	53	60	11	-	3.0	0.0
Torquay	orrcbc	ocbc	53	60	7	-	2.0	1.5
Jersey	cb	cd	58	61	5	trace	1.8	0.3
Weymouth	bcc	c	52	59	6	-	0.7	1.8
Bournemouth	o	o	52	57	4	-	0.0	3.0
Ventnor	orcuo	oupcu	53	56	5	trace	0.1	3.3
Southsea	o	o	54	58	4	-	0.0	2.7
Bognor Regis	cycbc	co	54	57	4	-	0.1	1.7
Littlehampton	c	c	53	57	4	-	0.1	2.2
Worthing	co	o	54	59	3	-	0.1	2.1
Brighton	o	o	55	58	3	-	0.0	1.6
Eastbourne †	co	o	54	60	4	-	0.0	2.0
Hastings †	coc	o	54	59	5	-	0.0	0.4
Folkestone	cbcco	o	56	58	3	-	0.1	0.4
Dover	bcc	c	57	58	3	-	0.2	0.5
Deal	bcco	o	57	59	2	-	0.5	0.6
Tunbridge Wells	o	o	53	56	4	-	0.1	1.0
Ramsgate	c	c	52	56	1	-	0.7	0.6
Margate	bcc	c	53	59	1	-	1.4	0.9

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h MONDAY, 6TH OCTOBER, 1930.



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

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 6th Oct. 1930.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England	Wind west or northwest, squally, fresh, strong locally at times; some showers; bright intervals; rather cool; perhaps local ground frost at night inland.
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind westerly, squally, fresh, stronger at times; some showers; bright intervals; cool; local ground frost at night inland.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland	Wind between southwest and northwest, squally, fresh, stronger at times; occasional rain or showers, perhaps hail locally; cool; local ground frost at night inland.
15. N.E. Scotland 16. Orkneys and Shetlands.	Wind mainly between west and north, fresh or strong at times; cloudy; occasional rain or showers; cool; local ground frost at night inland.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind northwest or west, squally, fresh or strong, perhaps gale locally, backing later; showers, perhaps with hail locally; cool; local ground frost at night inland.

GENERAL INFERENCE.

A complex depression extends from the Shetlands to the Southern Baltic. Secondary disturbances are likely to travel southeastwards across the British Isles. Cool westerly winds, fresh or strong at times, showers and bright intervals will be experienced generally.

FURTHER OUTLOOK.

A depression south of Greenland may affect western districts later tomorrow.

"Times of issue of Gale Warnings".

▼ South Cone at 0820 on 4th in 13A, 13B, 15, 16, 16, 17, 18 and 20; at 1730 on 4th in 5, 6, 7, 8, 11, 12 and 19; and at 0840 on 6th in 1, 2, and 10.

Forecasts issued at 1000 G.M.T.

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

H.M. Stationery Office Press, Kingsway W.C.2.
Pg.2435/2135. Wt.29. 3.5026. Gp.308. 282/1 1930.

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

Morning of
Monday
6th October,
1930.

Clarke's Projection Scale 1 : 4×10^7 along meridian at 55°N.
Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

6th October 1930.

No. 25155

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

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	P-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)
Lerwick	54	983.8	-4	NNW	2	c	47	85	8	5	2	-	4-6	10	1500
Stornoway ...	34	990.0	0	W	2	bc	45	85	7	3	6	-	2-3	4-6	4000
Wick	81	987.4	-4	WNW	3	ir	44	95	8	8	1	-	4-6	7-8	1500
Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82														
Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head ...	51	994.6	+2	WNW	6	phir	49	95	7	3	-	-	7-8	7-8	1500
Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Inchkeith (Edin.)	190	991.9	0	WSW	4	bc	46	85	8	5	4	-	1	2-3	1500
Leuchars	30	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth ...	67	991.9	0	W	2	bc	45	85	8	1	-	-	2-3	2-3	2600
Blacksod Point ...	10	1000.6	+4	WNW	7	c	51	75	7	3	-	-	7-8	7-8	800
Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	993.3	+3	WNW	7	c	51	85	8	8	8	-	7-8	7-8	2600
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head ...	29	992.2	0	NW	6	ir	49	95	6	3	2	-	4-6	7+	2600
Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	241	992.2	-4	W	4	c	47	95	7	6	-	-	7+	7+	2600
Gorleston	14	993.8	-3	W	3	c	50	95	7	6	7	-	2-3	7-8	2500
Valentia Obs.† ...	30	1005.7	+6	W	6	bc	53	85	7	7	-	-	2-3	2-3	2600
Roches Point ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke... ...	150	1002.2	+3	WNW	4	q	53	85	8	8	-	-	4-6	4-6	2500
Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Winchester ...	272	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	244	999.1	0	W	4	bc/r	47	95	6	5	7	-	2-3	2-3	800
Manston	135	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Clacton-on-Sea ...	55	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Scilly (St. Mary's)	163	1007.4	+10	NNW	6	bc	53	95	8	2	-	-	4-6	4-6	4000
Falmouth... ...	200	1006.6	+10	WNW	5	bc	52	75	8	3	-	-	4-6	4-6	4000
Plymouth... ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill ...	32	1001.3	+10	WNW	6	C	54	75	8	8	-	-	7-8	7-8	2500
Calshot, S'hampton	8	1000.4	+6	W	4	b	49	85	8	5	8	-	1	1	2600
Dungeness ...	20														
Lympne	347	997.4	-2	WNW	4	bc	47	85	8	5	3	-	4-6	4-6	1500
Guernsey	173	1006.0	+10	WNW	4	bc	55	65	6	5	-	-	4-6	4-6	2600

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

STATIONS.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	P-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)
Lerwick	992.6	+2	WNW	3	ir	48	95	7	6	-	-	10	10	1500	1	*
Stornoway ...	990.1	+4	NW	1	bc	43	95	8	8	6	-	2-3	4-6	4000	1	1
Wick	987.8	0	WNW	2	ir	44	95	8	8	1	-	4-6	7-8	1500	1	2
Tiree	992.6	-2	W'N	4	bc/p	48	85	8	6	5	1	2-3	4-6	2500	1	1
Nairn	989.6	*	W	1	bc	43	85	8	4	8	-	2-3	4-6	4000	0	*
Aberdeen	989.3	0	WNW	3	bc	44	75	8	6	-	9	ir	2-3	2500	1	0
Malin Head ...	993.7	-4	WNW	6	c/p	50	95	7	9	-	-	9	9	1500	1	4
Renfrew	993.5	0	W	3	c	43	95	6	8	8	-	4-6	7-8	2500	1	*
Inchkeith (Edin.)	991.9	+2	WSW	4	bc	46	85	7	1	4	-	1	2-3	4000	0	2
Leuchars	991.8	+2	SW	3	bc	48	95	8	7	-	01	2-3	2-3	4000	01	*
Eskdalemuir ...	993.8	0	SSW	3	c	41	95	8	4	3	-	4-6	7-8	4500	1	*
Tynemouth ...	993.8	+4	W	2	bc	45	85	7	1	-	-	2-3	2-3	2500	1	1
Blacksod Point ...	1001.2	+8	WNW	7	bc	52	65	8	3	-	9	4-6	4-6	1500	0	5
Aldergrove ...	996.6	-2	SW	4	p/r	47	95	8	9	4	3	7-8	7-8	1500	1	*
Donaghadee ...	995.6	0	W	2	p/r	46	95	7	8	3	-	4-6	4-6	4000	1	0
Birr Castle ...	1002.8	0	WSW	3	c	47	95	8	8	4	-	4-6	7-8	2500	1	*
Holyhead	1000.1	0	W'N	6	r	52	85	8	5	8	1	9	9	1500	1	4
Liverpool (Bidston)	996.9	+6	W'S	7	bc/p	50	85	6	6	-	-	4-6	4-6	1500	1	*
Chester (Sealand)	998.2	+8	W	5	bc/r	49	85	8	6	-	-	4-6	4-6	1500	2	*
Harrogate... ...	995.5	0	SW	3	p/r	46	85	9	6	-	-	7-8	9	2500	1	*
Spurn Head ...	994.0	+4	WNW	5	bc	49	85	7	-	7	1	0	2-3	-	0	4
Birmingham ...	1000.4	+6	W	4	bc	46	85	8	5	-	-	2-3	2-3	4000	1	*
Cranwell	997.0	+10	WSW	4	bc/p	45	95	7	5	3	-	2-3	4-6	2500	1	*
Gorleston	995.8	+6	W	4	bc	45	95	6	1	-	-	2-3	2-3	4000	0	2
Valentia Obs.† ...	1008.0	+6	W	5	c/p	53	75	8	9	3	-	7-8	7-8	1500	1	4
Roches Point ...	1006.6	+10	NW	3	bc	50	95	8	3	-	-	2-3	2-3	1500	0	2
Pembroke... ...	1004.0	+6	W	4	r	53	95	8	8	-	-	9	9	1500	1	3
Ross-on-Wye ...	1001.8	+10	W'S	3	0	49	75	8	7	-	-	1	1	4000	1	*
Leafield	1000.8	+6	W	5	0	45	85	8	5	4	-	ir	ir	2500	0	*
Cardington ...	999.6	+10	W'S	4	0	47	75	8	-	-	1	0	1	-	1	*
Winchester ...	1002.9	+14	W	4	0	46	85	8	-	-	-	0	0	-	1	*
S. Farnborough ...	1001.6	+14	W	3	0	45	85	8	-	-	-	0	0	-	1	*
London (Kew) ...	1001.5	+16	WSW	3	0	47	85	8	-	4	-	0	ir	-	1	*
Croydon	1001.7	+16	W'S	5	0	46	85	7	-	3	-	0	1	-	1	*
Manston	1000.2	+20	W	4	0	48	85	8	1	-	-	ir	ir	2500	2	*
Shoeburyness ...	1000.0	+16	W	4	0	47	95	8	-	-	-	0	0	-	0	*
Clacton-on-Sea ...	998.6	+20	W	4	bc	46	85	7	1	-	-	2-3	2-3	4500	0	2
Felixstowe ...	998.8	+24	W'S	4	0	48	85	8	5	-	-	1	1	4000	1	3
Scilly (St. Mary's)	1009.5	+10	WNW	6	c/p	54	95	8	3	4	1	4-6	7-8	4000	1	4
Falmouth... ...	1008.7	+10	W'N	5	bc	53	75	8	3	-	-	4-6	4-6	4000	0	3
Plymouth... ...	1007.4	+12	NW	2	b/p	51	75	8	3	-	-	1	1	1500	1	2
Portland Bill ...	1003.6	+10	W	7	bc	54	75	8	8	-	-	4-6	4-6	2500	0	5
Calshot, S'hampton	1004.4	+16	WSW	4	0	48	85	8	5	-	-	1	1	2500	0	1
Dungeness ...	*	*	WSW	5	0	*	*	*	*	7	*	0	1	-	*	3
Lympne	1000.9	+26	W	4	0	44	85	9	3	-	-	ir	ir	2500	1	*
Guernsey	1007.5	+14	WNW	5	bc/p	54	65	8	5	-	-	4-6	4-6	2500	1	4

PAST 24 HOURS.

STATIONS.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Min on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine hrs. (36)
Lerwick	52	46	*	11	2	0.0
Stornoway ...	48	42	*	1	7	6.0
Wick	53	42	*	0.3	2	*
Tiree	55	47	40	3	1	4.5
Nairn	52	39	*	0.4	-	1.3
Aberdeen	56	43	36	-	-	7.3
Malin Head ...	53	46	*	1	5	1.4
Renfrew	56	39	30	2	2	4.3
Inchkeith (Edin.)	55	44	42	0.4	-	6.7
Leuchars	58	36	31	-	-	6.9
Eskdalemuir ...	54	40	37	2	0.4	2.3
Tynemouth ...	55	43	39	0.3	1	*
Blacksod Point ...	55	47	*	4	2	1.7
Aldergrove ...	53	44	39	4	2	*
Donaghadee ...	56	44	*	4	0.4	*
Birr Castle ...	55	44	39	2	-	3.2
Holyhead	56	51	48	8	-	3.8
Liverpool (Bidston)	55	45	42	3	10	5.2
Chester (Sealand)	58	47	44	0.4	8	6.0
Harrogate... ...	56	43	40	0.2	1	6.8
Spurn Head ...	57	47	*	-	0.1	4.2
Birmingham ...	56	44	40	trace	4	2.0
Cranwell	57	44	41	0.2	0.4	2.7
Gorleston	57	45	43	-	0.1	3.2
Valentia Obs.† ...	56	45	42	2	1	2.1
Roches Point ...	56	46	*	1	Tr.	*
Pembroke... ...	56	50	*	2	Tr.	0.2
Ross-on-Wye ...	55	47	41	trace	1	0.0
Leafield	54	44	40	-	-	0.4
Cardington ...	57	44	41	trace	Tr.	0.0
Winchester ...	56	45	41	0.5	0.5	0.2
S. Farnborough ...	56	44	36	-	3	0.3
London (Kew) ...	57	47	41	trace	0.5	0.2
Croydon	57/58	45	42	-	2	0.1
Manston	59	46	42	-	0.5	0.7
Shoeburyness ...	59	45	41	-	-	0.7
Clacton-on-Sea ...	59	46	43	-	-	0.2
Felixstowe ...	57	47	44	-	Tr.	0.1
Scilly (St. Mary's)	59	50	*	0.6	1	3.0
Falmouth... ...	58	51	*	0.1	0.4	1.1
Plymouth... ...	59	50	45	-	1	1.4
Portland Bill ...	66	52	*	-	-	*
Calshot, S'hampton	58	45	41	-	0.3	0.0
Dungeness ...	60	46	*	trace	Tr.	*
Lympne	55	44	40	-	Tr.	0.0
Guernsey	60	53	48	trace	0.2	1.8

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
KEW	18	cv c u	c bc c 2 0	drizzle	57	47	41	Tr.	0.5	0.2	•	•	8
CROYDON	244	c	c 2 0	drizzle	60	46	42	-	2	0.1	•	•	8 6
GREENWICH (Royal Observatory) ...	149	c 0 y	c	fog	57	46	37	-	0.4	0.2	64	68	6
CITY (Bunhill Row)	—	•	•	•	•	•	•	•	•	0.3	•	•	•
WESTMINSTER (St. James' Park) ...	27	•	•	•	58	46	42	-	-	0.2	69	67	•
REGENTS PK. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	•	0.0	•	•	•
CAMDEN SQUARE	110	c	c	•	57	46	41	-	0.3	•	•	71	•
KENSINGTON PALACE	80	or c o c	o c b c	•	57	46	39	-	0.2	•	At 18h. 72		•
HAMPSTEAD OBSERVATORY	450	c b c	o c	•	56	41	36	-	0.3	0.2	•	75	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

SOUTH KENSINGTON.

Max.	Time.	Min.	Time.
0.3	9h 5th and 20h 6th	0.3	10h-19h 5th and 24h 6th-7h 6th

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
0.1	16h 5th	0.1	23½h 5th and 5h - 6th

FOREIGN OBSERVATIONS.

STATIONS.	18h. G.M.T. 5th OCTOBER. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 6th OCTOBER. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
PARIS	1003.7	SW	2	rr	59	1006.2	WNW	3	c/p	52		50		8
BRUSSELS						998.3	WNW	4	r c r	48		46		2
BERLIN	995.8	W	3	c	57	988.0	W	2	r c r	50	61	50	7	0.1
ZÜRICH						1006.8	WNW	5	c/p	48	*	50		1.4
ROME														

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

7th October 1930.

No. 25156

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

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)
Lerwick	983.8	+10	E	2	c	52	95	8	8	2	-	4-6	9+	1500
Stornoway ...	991.0	0	WNW	3	c	54	65	8	3	1	1	4-6	7-8	4000
Wick	987.2	-4	WNW	3	ir	49	95	8	3	2	-	4-6	7-8	1500
Tiree	993.6	+2	WNW	4	c	51	85	9	3	-	3	4-6	7-8	2500
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	989.8	-2	WNW	4	bc	52	65	8	8	3	1	2-3	4-6	4000
Malin Head ...	995.5	+6	WNW	6	cjp	50	95	7	9	-	-	7-8	7-8	1500
Renfrew	993.9	+2	W'S	3	bc	52	75	8	3	3	-	4-6	4-6	2500
Inchkeith (Edin.)	992.1	0	WSW	4	bc	53	65	8	2	6	-	2-3	4-6	4000
Leuchars	991.3	-6	WSW	4	bc	57	55	8	2	-	1	4-6	4-6	4000
Eskdalemuir ...	993.5	-2	WNW	3	pr	46	85	8	3	-	3	9+	9+	1500
Tynemouth ...	992.7	+4	WNW	2	bc	52	75	7	2	-	1	4-6	4-6	2500
Blacksod Point ...	1001.9	+2	WNW	7	bc	54	65	8	8	-	6	4-6	4-6	2500
Aldergrove ...	997.2	0	W	5	c/pr	53	65	8	9	9	3+	4-6	7-8	1500
Donaghadee ...	996.0	+2	NNW	2	pr$_o$	52	75	8	7	4	-	4-6	7-8	4000
Birr Castle ...	1002.9	-6	W	3	c	55	75	8	8	-	-	7-8	7-8	2500
Holyhead... ...	1000.7	0	W	6	q	56	75	8	8	8	1	9	9	2500
Liverpool (Bidston)	997.0	0	W'S	7	q	53	75	8	8	-	1	4-6	4-6	2500
Chester (Sealand)	998.8	+2	W	5	pr	55	75	8	8	-	-	7-8	7-8	2500
Harrogate... ...	999.9	0	WSW	4	pr	51	85	8	3	-	-	9+	9-	2500
Spurn Head ...	994.5	0	WNW	5	ir	50	85	6	3	2	-	7-8	9+	2500
Birmingham ...	1000.2	-2	WNW	4	pr	50	75	8	8	-	-	4-6	4-6	2500
Cranwell	996.9	-6	WNW	4	c/pr	55	95	8	9	-	6	7-8	7-8	1500
Gorleston	997.4	-4	W	5	bc	54	75	6	7	-	-	4-6	4-6	2500
Valentia Obs. ...	1008.6	-2	W	5	cjp	55	65	8	6	-	-	9	9	2500
Roches Point ...	1006.6	0	NW	3	c	55	75	8	3	-	-	7-8	7-8	2500
Pembroke... ...	1003.9	-6	WSW	5	q	55	85	7	6	7	-	4-6	4-6	1500
Ross-on-Wye ...	1001.9	-4	W	4	bc	55	55	8	8	-	-	4-6	4-6	4000
Leafield	1000.5	-8	W'N	7	pr$_o$	52	75	8	8	-	-	4-6	4-6	2500
Cardington ...	999.6	-10	W'S	5	cjp	56	55	8	8	-	-	7-8	7-8	2500
Winchester ...	1002.9	-6	W	6	c	57	65	8	8	-	-	7-8	7-8	2500
S. Farnborough ...	1002.1	-10	W	4	c	58	55	8	2	-	-	9	9	2500
London (Kew) ...	1001.3	-12	W'S	4	c	57	55	8	4	-	-	9	9	2500
Croydon	1002.6	-6	W	5	c	56	55	8	5	-	-	9	9	2500
Manston	1001.1	-2	W'S	4	c	55	75	8	5	-	-	9+	9+	4000
Shoeburyness ...	1000.0	-14	W	4	b	57	75	8	-	3	-	0	Tr.	-
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe ...	999.9	+2	WSW	4	c/pr	55	65	8	5	-	-	7-8	7-8	2500
Scilly (St. Mary's)	1010.0	-6	NNW	6	b/c/pr	58	95	7	8	-	-	4-6	4-6	4000
Falmouth... ...	1003.6	0	W'N	5	bc	58	65	8	3	3	-	2-3	4-6	4000
Plymouth... ...	1007.5	-6	NW	6	bcjp	57	65	8	3	-	1	4-6	4-6	1500
Portland Bill ...	1004.3	-6	W'N	6	c	59	75	8	8	-	-	7-8	7-8	2500
Calshot, S'hampton	1003.6	-6	W'N	4	cjp	56	65	8	9	-	-	7-8	9+	2500
Dungeness ...	*	*	WSW	5	bc	*	*	7	7	6	*	2-3	4-6	4000
Lympne	1002.1	-4	W'N	4	c	54	65	8	7	-	-	7-8	7-8	1500
Guernsey	1003.1	0	W	5	c/pr	58	65	7	5	-	-	9	9	2500

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

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)
Lerwick	985.9	+10	N	1	c	51	95	8	8	8	-	4-6	7-8	1500	1	*
Stornoway ...	991.5	+2	NW	3	r	49	75	8	9	2	-	4-6	10	4000	1	2
Wick	986.9	-2	WNW	4	do$_o$	49	95	8	6	2	-	7-8	10	1500	1	3
Tiree	994.7	+10	NW'N	4	bcjp	50	75	8	3	3	3	4-6	4-6	2500	1	3
Nairn	989.7	*	WNW	2	c/pr	48	85	8	3	-	-	7-8	7-8	2500	1	*
Aberdeen	989.6	-2	WNW	3	c	50	75	8	5	3	8	7-8	9	4000	0	1
Malin Head ...	996.1	+8	WNW	5	cjp	49	95	7	9	-	-	7-8	7-8	1500	1	4
Renfrew	994.1	+2	WSW	3	bc/pr	47	85	8	8	-	-	2-3	2-3	2500	1	*
Inchkeith (Edin.)	991.8	-4	WSW	4	bc	51	75	8	1	6	-	1	2-3	4000	0	2
Leuchars	991.5	+6	W	4	bc	48	75	9	8	4	1	1	2-3	4000	1	*
Eskdalemuir ...	993.8	-6	W	3	bc	45	75	8	8	4	1	4-6	4-6	1500	1	*
Tynemouth ...	994.6	-4	W	2	bc	49	85	6	2	-	-	2-3	2-3	2500	0	1
Blacksod Point ...	1002.1	+4	W	8	Q	52	75	7	9	-	-	7-8	7-8	800	1	7
Aldergrove ...	997.6	+6	W	4	c	47	75	8	9	-	-	7-8	7-8	1500	1	*
Donaghadee ...	996.1	+2	W	2	bc	49	75	8	7	3	-	4-6	4-6	4000	0	1
Birr Castle ...	1003.2	+2	W	3	bc/pr	49	85	8	3	4	-	4-6	4-6	2500	1	*
Holyhead... ...	999.8	-6	W'N	7	Q	54	75	8	8	-	3	7-8	7-8	2500	1	4
Liverpool (Bidston)	997.1	+2	W'S	6	c/pr	51	75	8	6	-	-	9	9	1500	0	*
Chester (Sealand)	998.8	0	W'S	4	pr$_o$	51	75	8	8	-	-	7-8	7-8	1500	1	*
Harrogate... ...	999.3	0	WSW	3	pr	45	85	8	6	4	-	2-3	2-3	2500	1	*
Spurn Head ...	994.1	0	NWW	5	c	50	85	7	3	2	-	4-6	9	2500	1	5
Birmingham ...	1000.3	0	W	4	bc	48	75	8	3	-	1	2-3	2-3	2500	1	*
Cranwell	997.3	+10	WNW	5	PR	45	95	6	9	-	-	7-8	7-8	800	2	*
Gorleston	996.7	0	W	3	ir	50	85	6	6	-	-	10	10	800	1	2
Valentia Obs. ...	1009.0	+4	W'N	6	bc/pr	53	65	8	5	-	-	4-6	4-6	1500	1	4
Roches Point ...	1007.0	+6	NW'N	4	bc	51	75	8	3	-	-	2-3	2-3	1500	0	3
Pembroke... ...	1003.7	-4	WSW	4	Q	53	85	7	8	4	-	2-3	4-6	1500	1	3
Ross-on-Wye ...	1001.6	-4	WSW	3	bc/pr	51	75	8	9	-	3	4-6	4-6	4000	1	*
Leafield	1001.4	0	WNW	6	PR	45	85	7	6	-	-	7-8	7-8	800	1	*
Cardington ...	999.9	+4	W	4	pr	51	75	8	8	3	8	4-6	7-8	1500	1	*
Winchester ...	1002.8	0	W'S	4	bc/pr	50	85	8	8	-	1	2-3	4-6	2500	1	*
S. Farnborough ...	1002.0	+2	W'S	4	c	51	85	8	1	-	1	2-3	7-8	4000	1	*
London (Kew) ...	1001.3	0	WSW	3	c	52	65	7	5	8	6	2-3	7-8	2500	1	*
Croydon	1001.8	+2	WSW	4	c	52	65	6	5	-	5	2-3	7-8	2500	1	*
Manston	999.9	+2	WSW	4	bcjp	51	85	8	8	-	-	4-6	4-6	2500	1	*
Shoeburyness ...	999.9	0	W	3	bc/pr	51	85	8	5	1	-	1	2-3	2500	0	*
Clacton-on-Sea ...	999.4	+6	WNW	4	c	51	85	7	3	-	-	7-8	7-8	450	1	3
Felixstowe ...	999.1	-2	W	4	bc	51	75	7	8	-	-	2-3	2-3	4000	1	3
Scilly (St. Mary's)	1009.1	0	WNW	7	c	54	95	7	8	8	-	4-6	7-8	4000	1	4
Falmouth... ...	1008.7	-10	W	5	PR	52	85	8	3	3	-	4-6	4-6	4000	1	3
Plymouth... ...	1007.3	+4	W	5	bcjp	53	75	7	3	-	-	2-3	2-3	1500	1	3
Portland Bill ...	1003.9	-4	W	7	pr	56	75	8	8	-	-	7-8	7-8	1500	1	5
Calshot, S'hampton	1003.7	+4	WSW	4	c/pr	53	65	8	8	-	3	4-6	7-8	2500	1	2
Dungeness ...	*	*	WSW	6	bc	*	*	7	9	6	*	2-3	4-6	2500	*	4
Lympne	1001.0	0	W'S	4	c	50	75	8	-	4	2	0	7-8	-	0	*
Guernsey	1008.2	-4	W	4	bc	55	65	7	5	-	-	4-6	4-6	1500	1	4

PAST 24 HOURS. WEATHER.

STATIONS. (For heights see p. 4.)	7h.–13h. 6th (37)	13h.–18h. 6th (38)	18h. 6th to 1h. 7th (39)	1h.–7h. 7th (40)
Lerwick	cir$_o$c	c	c	cpr$_o$
Stornoway ...	bc	bcer$_o$	bccpr	bcp
Wick	cir	ird$_o$d	cpr$_o$c	bcpr$_o$c
Tiree	bepr$_o$	bcPR	bc	bc
Nairn	bcpr	bccpr	cRr	or
Aberdeen	bcpr$_o$	bccp$_o$	cir-r$_o$	circ
Malin Head ...	cpr	cPR	bcpr	bcpr$_o$
Renfrew	bcpc$_o$bc	bcpr$_o$	b	bbcpr$_o$
Inchkeith (Edin.)	bc	bc	bccoir$_o$	oro$_o$c
Leuchars	bcwbcy	bcypbv	bvbccr$_o$r$_o$	cro$_o$c
Eskdalemuir ...	cpr	cprbc	bcbw	bccpr$_o$c
Tynemouth ...	bc	bc	bcq	bcoir$_o$
Blacksod Point ...	prq	prqc	prqc	c
Aldergrove ...	cpr$_o$cprq	bccpr$_o$bc	bE	bcw
Donaghadee ...	bcpr$_o$	pr$_o$bc	bc	bc
Birr Castle ...	cp$_o$bcc	cpr	bc~~bc~~cpr	co
Holyhead... ...	cq	prqbc	bccq	bcc
Liverpool (Bidston)	prqbc	cPRq	bcqpr$_o$qPR	prvbc
Chester (Sealand)	prbcq	bcqpr$_o$	cPR	crrpr$_o$
Harrogate... ...	bccp	cbcp$_o$	bcc	bcc
Spurn Head ...	cRr/q	cirq	cpr$_o$bc	bcc
Birmingham ...	bcpr	bcpr$_o$	bcbr	bc
Cranwell	bcp$_o$m$_o$	cprber	cpr	pr$_o$m$_o$
Gorleston	bccq	bc/liR	oir$_o$bcq	bcq
Valentia Obs. ...	cpbcc	cpbcp$_o$bc	bcpbcp	cpc
Roches Point ...	bcp$_o$c	cpqbc	bcpqb	bbcc
Pembroke... ...	cbcq	PHR⊕	bcqp$_o$	cq
Ross-on-Wye ...	bbc	bcycp$_o$	bcpbcb	bcc
Leafield	bbcp$_o$	bcc	pr$_o$bcb	bbc
Cardington ...	bccpr$_o$cy	cpr$_o$bc	cpr$_o$bc	bw
Winchester ...	bbccpr$_o$	bcpr$_o$bc	bcr$_o$b	bbc
S. Farnborough ...	brcy	cbccpbc	bcb	bwbcw
London (Kew) ...	b,cy	bcpqbc	bcp	b
Croydon	bbccy	cypr$_o$bc	bccpr$_o$bm$_o$	bw
Manston	bbcqc	cbccpr/cjp	cb	bq
Shoeburyness ...	bcb	bbcpr$_o$bc	b	b
Clacton-on-Sea ...	bcc	c/lqr	cbc	bc
Felixstowe ...	bccpr$_o$	cr/lrqbc	bcpr	bc
Scilly (St. Mary's)	cbc	bccp	cbc	bcc
Falmouth... ...	bcpq	bcpq	bcpq	bcqcpo
Plymouth... ...	bqcpr	cqpr$_o$bc	cPRb	b,cpr$_o$
Portland Bill ...	bcc	cPR	c	c
Calshot, S'hampton	bcqpr	bcprqc	bcpr$_o$b	bbc
Dungeness ...	bc	p		b
Lympne	bbcvc	bc	bcbw	bw
Guernsey	bcp$_o$o	cbcc	bcpr$_o$c	cbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

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

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

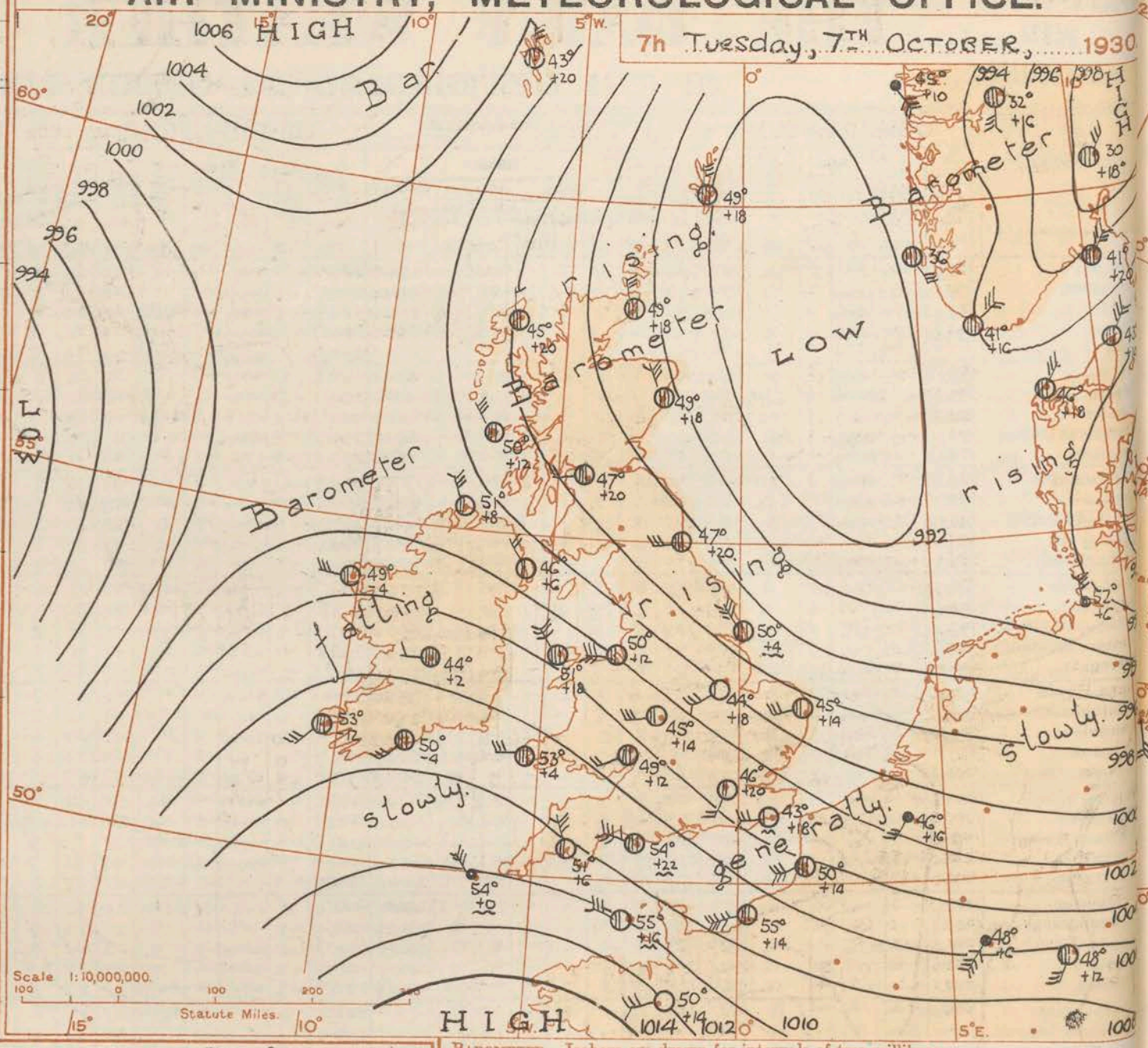
REPORTS from HEALTH RESORTS for 6th October 1930.

STATIONS.	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. 9h. to 9h.	TEMPERATURE. Max. 9h.—17h.	RAINFALL. Night. 17h. to 9h.	RAINFALL. Day. 9h.—17h.	SUNSHINE. Sunrise to 17h.	SUNSHINE. Sunrise to Sunset.
Dunbar ...	bmo	b	42	54	–	–	0·3	5·0
Berwick-on-T. ...	bc	bc	41	55	–	–	9·2	6·2
Douglas	cbq,bc	bq,rbq,	46	56	1	1	7·0	6·2
Llandudno ...	cp,bc	cpcp	49	55	9	1	3·5	5·3
Colwyn Bay ...	bcorb	pop o	47	55	6	2	5·8	5·0
Rhyl	bccpr	cbcpr	48	56	8	1	7·0	6·0
Wallasey ...	iRnc	bcp,c	47	54	14	0·3	4·4	4·4
Southport ...	cipc	corcbc	47	56	11	2	4·7	5·8
Blackpool ...	cpq,	cpq,	49	58	3	1	4·1	6·8
Morecambe ...	bbcr	btirr	48	56	3	2	7·7	4·7
Ilkley	cPbc	bcP	43	53	3	12	3·8	3·3
Cleethorpes ...	bothr	Rd,	44	55	Trace	14	5·2	4·0
Mablethorpe ...	bccbc	cotirr	43	65	–	3	5·4	4·9
Skegness... ...	bcpro	orr	47	53	Trace	7	0·3	6·1
Aberystwyth ...	cq,prc	cq,pr	53	66	1	1	4·5	3·1
Bath	bbc	bcpc	48	58	6	2	7·5	0·0
Cheltenham .†	cipo	cpbcq,	47	57	Trace	0·5	8·0	0·2
Leamington Spa	c,pr	cpro	44	57	1	3	5·7	1·4
Lowestoft ...	bcbc	corbc	44	57	–	2	8·5	3·4
Dovercourt ...	bcbc	tirbc	46	56	–	4	6·8	0·3
Maldon	bc	cbciR	45	59	–	4	7·2	0·2
Southend ...	bbc	bccpo	45	60	0·2	Trace	7·0	0·9
Ilfracombe ...	cpcbc	bcpc	51	57	4	2	3·4	0·0
Bude	cbcup	becp	51	58	5	1	5·4	0·4
St. Ives	cp	cp	49	57	2	1	4·9	0·5
Penzance ...	b	bpr	50	60	2	0·5	7·8	3·2
Torquay	pbbc	p,b	48	59	0·3	Trace	8·7	2·0
Jersey	rq,bc	rq,bc	53	59	2	3	3·1	1·8
Weymouth ...	bbcP	cbcpp	49	61	Trace	3	7·1	0·7
Bournemouth ...	b	bbcc	46	60	–	–	7·5	0·0
Ventnor	bbc	pu	48	59	0·3	Trace	7·9	0·1
Southsea ...	bcp	bc	48	58	Trace	2	6·9	0·0
Bognor Regis ...	bcpr	bcpr	46	58	Trace	1	8·0	0·1
Littlehampton ...	bc	bcpbc	45	59	Trace	Trace	8·1	0·1
Worthing ...	bbc	bc	46	59	–	–	8·2	0·1
Brighton... ...	bbcpbc	bc	48	59	–	Trace	8·9	0·0
Eastbourne .†	bbc	bcp,bc	47	59	Trace	Trace	9·5	0·0
Hastings †	bbc	bcobd	45	55	0·2	0·3	9·8	0·0
Folkestone ..	bc	bc	45	59	Trace	–	9·1	0·1
Dover	bcb	bcpbc	47	58	Trace	0·4	8·9	0·2
Deal	b	bcpbc	46	59	0·5	0·5	8·6	0·5
Tunbridge Wells	bbc	opocb	44	58	0·5	Trace	9·0	0·1
Ramsgate ...	bbc	bcpbc	46	59	1	0·2	8·0	0·7
Margate	bc	bc	48	58	0·2	–	7·7	1·4

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Tuesday, 7TH OCTOBER, 1930



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

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 7th Oct. 1930.
1. S.E. England 2. E. England... 3. E. Midlands	Wind backing to southwest or south, moderate or fresh, becoming strong later; cloudy; rain later; moderate temperature.
4. W. Midlands 5. S.W. England ▼ 6. South Wales ▼ 7. North Wales ▼	Winds backing to south or southeast, fresh or strong, gale locally, veering later; cloudy, rain; showers tomorrow; coastal fog; somewhat warmer today, probably cooler tomorrow.
8. N.W. England ▼ 9. N. Midlands 10. N.E. England	Wind backing to south or southeast, fresh or strong, probably veering later; cloud increasing; rain later; moderate or rather low temperature.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man ▼ 13. A. W. Scotld. ▲ / B. N.W. Scotland. ▲ 14. Mid-Scotland	Wind variable, becoming southeast or east, fresh or strong, perhaps gale at times; some showers early; cloud increasing; more general rain later; rather cool.
15. N.E. Scotland ▲ 16. Orkneys and Shetlands. ▲	Wind mainly between east and north, fresh or strong, perhaps gale at times; cloudy; showers early, more general rain later; cool.
17. N.W. Ireland ▼ 18. N.E. Ireland ▼ 19. S.E. Ireland ▼ 20. S.W. Ireland ▼	Wind southerly, strong or gale, becoming northwesterly; cloudy, rain today; showers tomorrow; somewhat warmer today, cooler tomorrow; some coastal fog

GENERAL INFERENCE.

A deep depression on the Atlantic west of Ireland is moving eastwards and, with attendant secondaries, will give rise to stormy weather with some rain in most districts.

FURTHER OUTLOOK.

Stormy; rain or showers in most districts.

"Times of Issue of Gale Warnings."
▼ South Cone at 0820 on 4th in 17,18 and 20; at 1730 on 4th in 5,6,7,8,12 and 19. ▲ North Cone at 0900 7th in 13A,13B,15 and 16.

Forecasts issued at 1010 G.M.T.

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

H.M. Stationery Office Press, Kingsway W.C.2.
Ps.2495/2136. We.26. D.6026. Gp.908. 28210. 10/30.

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

Morning of
TUESDAY,
7th October,
1930.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55°N.
Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

7th October 1930.

No. 25156

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

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)
Lerwick	54	999·2	-10	NNE	2	c	50	95	8	5	-	-	9	9	1500
Stornoway ...	34	99m·6	+2m	NNW	1	dr	m8	95	7	3	-	-	10	10	m000
Wick	81	990·m	m6	WNW	3	c	m9	95	8	8	1	-	m·6	7-8	2500
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head ...	51	999·1	m2	NW'N	5	bc,jb	52	85	7	3	-	-	m·6	m·6	1500
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	992·9	m2	WSW	m	c'r'o	m8	85	8	5	-	-	10	10	800
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir ...	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth ...	67	99m·8	m2	W	3	bc	m5	85	8	1	-	-	m·6	m·6	2500
Blacksod Point ...	10	100m·5	m6	W	m	c	50	75	7	8	5	-	m·6	7-8	800
Aldergrove ...	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee ...	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle ...	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead... ...	26	100·1	m6	NW'W	7	9	52	85	8	8	-	-	m·6	m·6	2500
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate... ...	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head ...	29	99m·6	0	WNW	5	bc	m7	85	7	-	1	-	0	2-3	-
Birmingham ...	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	997·6	m2	WSW	m	br	m5	95	6	6	-	-	9	9	1500
Gorleston	14	996·8	-2	W'S	3	bc	m8	85	7	1	-	-	m·6	m·6	m000
Valentia Obs.† ...	30	1010·m	0	W	5	r	m9	95	6	3	-	-	10	10	2500
Roches Point ...	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke... ...	150	100m·5	mm	W	3	9	53	95	8	8	-	-	9	9	1500
Ross-on-Wye ...	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington ...	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester ...	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew) ...	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1002·1	-2	WSW	m	bc	m7	85	7	m	7	-	2-3	2-3	2500
Manston	135	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness ...	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea ...	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe ...	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1011·2	m6	NW'W	6	bc	53	95	7	8	8	-	m·6	m·6	m000
Falmouth... ...	200	1009·1	m6	W'N	5	bc	53	75	8	3	-	-	m·6	m·6	m000
Plymouth... ...	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill ...	32	100m·2	m2	W'N	7	c	5m	75	8	8	-	-	7-8	7-8	2500
Calshot, S'hampton	8	1003·9	m2	WSW	m	b	m8	85	8	5	-	-	1	1	2500
Dungeness ...	20														
Lympne	347	1001·2	-2	W	m	b	m5	85	8	-	3	-	0	Tr.	-
Guernsey	173	1008·5	0	WNW	m	br	52	85	6	3	-	-	m·6	m·6	2500

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

STATIONS.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
Lerwick	992·0	m8	NNW	3	c,jb	m9	95	7	8	2	-	m·6	7-8	1500	/	•
Stornoway ...	998·0	m20	N	/	bc	m5	95	7	m	-	-	m·6	m·6	m000	/	/
Wick	99m·2	m8	NNW	3	c	m9	95	8	3	-	8	m·6	7-8	1600	/	3
Tiree	999·m	m2	W'N	3	c	50	85	8	3	9	3	m·6	7-8	2500	0	/
Nairn	996·3	•	WNW	/	c/r	m8	95	8	3	-	-	7-8	7-8	2500	2	•
Aberdeen	99m·9	m8	NW	m	c	m9	85	8	8	-	9	7-8	7-8	2500	/	/
Malin Head ...	1000·m	m8	NW'W	m	bc	51	95	8	2	-	-	m·6	m·6	2500	0	3
Renfrew	998·6	m20	W	2	c	m7	95	7	5	-	-	7-8	7-8	2500	/	•
Inchkeith (Edin.)	997·5	m20	WSW	m	c	m9	85	8	2	7	-	10	9+	1-	/	2
Leuchars	996·7	m22	W	3	c	m7	85	8	5	3	-	7-8	7-8	m000	/	•
Eskdalemuir ...	998·7	m1m	WNW	3	c	m7	85	8	8	-	-	7-8	7-8	1500	/	•
Tynemouth ...	996·3	m20	W	3	c/r	m7	85	7	6	-	-	9	9	1500	/	2
Blacksod Point ...	1003·5	-m	W	3	bc	m9	75	8	8	-	8	m·6	m·6	1500	0	3
Aldergrove ...	1002·m	m10	SW'W	3	bc	mm	95	8	5	-	2	/	m·6	2500	/	•
Donaghadee ...	1000·8	m6	WNW	2	bc	m6	85	8	5	2	-	2-3	m·6	m000	0	/
Birr Castle ...	1005·8	m2	W	/	0	mm	95	8	5	-	-	10	10	m000	/	•
Holyhead... ...	100m·2	m8	WNW	6	c	51	95	8	5	-	/	m·6	9+	1500	/	3
Liverpool (Bidston)	1001·5	m2	W	6	bc,jb	50	75	9	9	-	-	m·6	m·6	1500	/	•
Chester (Sealand)	1002·1	m8	W	m	c/br	50	85	7	9	-	/	m·6	7-8	1500	/	•
Harrogate... ...	999·0	m1m	SW	3	c	m6	85	9	6	-	-	9	9	2500	/	•
Spurn Head ...	996·5	mm	NW'W	6	c	50	85	6	m	2	-	7-8	10	m000	0	5
Birmingham ...	1003·7	m1m	W	3	bc	m5	85	8	5	-	m	/	m·6	2500	/	•
Cranwell	999·9	m8	W'S	m	b	mm	95	6	5	-	-	/	/	m000	/	•
Gorleston	998·6	m1m	W	3	bc	m5	95	7	9	-	-	2-3	2-3	2500	0	2
Valentia Obs.† ...	1006·8	m2	SW'W	3	c	53	75	8	5	2	-	m·6	10	1500	/	3
Roches Point ...	1007·3	-m	SW	3	c	50	95	8	3	-	-	9	9	1500	0	2
Pembroke... ...	1006·9	mm	W	3	9	53	85	7	8	6	9	2-3	7-8	1500	/	3
Ross-on-Wye ...	100m·6	m2	W'S	2	c	m9	75	8	8	-	6	m·6	7-8	m000	/	•
Leafield	1003·8	m1m	W	5	bc	m6	85	9	5	-	6	/	m·6	m000	/	•
Cardington ...	1002·5	m8	WSW	m	b	m6	85	8	-	m	-	0	/	-	/	•
Winchester ...	1005·2	m1m	W'S	m	bc	m7	85	8	-	/	m	0	m·6	-	/	•
S. Farnborough ...	100m·5	m8	WSW	3	bc	m6	85	8	/	8	2	Tr.	m·6	m000	/	•
London (Kew) ...	1008·9	m20	SW'W	2	bc	m6	85	8	-	7	-	0	2-3	-	/	•
Croydon	100m·5	m8	WSW	m	b	m7	85	7	-	-	5	0	/	-	/	•
Manston	1002·m	m2	WSW	m	b	m8	95	8	m	-	-	/	/	m000	/	•
Shoeburyness ...	1002·7	m20	W'S	3	b	m2	85	8	-	-	/	0	/	-	0	•
Clacton-on-Sea ...	1001·2	m1m	W	m	bc	m5	95	7	/	-	-	2-3	2-3	800	0	2
Felixstowe ...	1001·m	m30	WNW	m	bc	m9	85	8	5	-	-	2-3	2-3	m000	/	3
Scilly (St. Mary's)	1010·9	0	WNW	5	br	5m	95	7	8	-	-	7-8	7-8	m000	0	m
Falmouth... ...	1010·6	m6	W'S	m	br	53	85	8	3	/	-	m·6	7-8	m000	/	2
Plymouth... ...	1008·8	m6	NW	m	b,jb	51	75	8	8	-	/	2-3	2-3	1500	/	2
Portland Bill ...	1006·6	m22	W	7	c	5m	75	8	m	m	2	m·6	7-8	2500	0	5
Calshot, S'hampton	1005·8	m12	SW'W	m	c	m9	85	8	7	-	/	m·6	7-8	2500	0	/
Dungeness ...		*	*	5	0	*	*	7	/	/	*	/	2-3	m000	*	m
Lympne	1003·5	m8	W'N	m	b	m3	95	8	-	3	-	0	Tr.	-	/	•
Guernsey	1010·0	m6	WNW	m	bc	55	65	7	5	-	-	m·6	m·6	2500	/	m

PAST 24 HOURS.

STATIONS.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 6th Hrs. (36)
Lerwick	52	m7	*	Tr.	0·5	0·0
Stornoway ...	55	mm	*	0·2	2	5·7
Wick	51	m8	*	1	/	*
Tiree	5m	50	m3	1	-	6·6
Nairn	54	m5	*	0.3	10	6·5
Aberdeen	5m	m6	mm	0.2	2	6·7
Malin Head ...	53	m9	*	5	0·5	3·9
Renfrew	55	m2	3m	0.1	0·2	6·m
Inchkeith (Edin.)	5m	m6	m5	-	/	10·0
Leuchars	57	m3	39	Tr.	m	9·2
Eskdalemuir ...	52	m0	39	4	0·3	3·0
Tynemouth ...	55	m5	m0	-	/	•
Blacksod Point ...	5m	m8	•	2	2·5	•
Aldergrove ...	54	m2	35	1	Tr.	m·m
Donaghadee ...	55	m5	•	1	-	•
Birr Castle ...	56	mm	37	2	Tr.	7·m
Holyhead... ...	56	51	m8	Tr.	-	6·1
Liverpool (Bidston)	54	m6	m5	3	m	m·7
Chester (Sealand)	56	m6	m3	0.1	7	8·m
Harrogate... ...	52	m3	m0	2	-	3·0
Spurn Head ...	5m	m7	*	3	Tr.	m·7
Birmingham ...	54	m8	m0	2	/	7·m
Cranwell	55	m3	m1	5	2	5·6
Gorleston	56	m5	m2	5	/	5·5
Valentia Obs.† ...	55	50	m1	2	2	m·5
Roches Point ...	56	m9	*	1	0·1	•
Pembroke... ...	56	52	*	3	Tr.	5·8
Ross-on-Wye ...	58	m7	m2	Tr.	0·m	8·0
Leafield	57	m3	39	1	0·6	9·2
Cardington ...	58	m1	39	2	Tr.	6·1
Winchester ...	58	mm	39	0.2	Tr.	7·9
S. Farnborough ...	59	m5	38	1	Tr.	9·1
London (Kew) ...	58	mm	39	2	2	7·6
Croydon	56	m9	*	1	0·1	•
Manston	59	m7	m1	0.5	-	7·3
Shoeburyness ...	58	mm	m0	Tr.	-	7·2
Clacton-on-Sea ...	58	m5	m5	2	-	7·6
Felixstowe ...	56	m7	mm	4	1	6·5
Scilly (St. Mary's)	59	53	*	1	Tr.	8·0
Falmouth... ...	58	51	*	2	0·1	6·6
Plymouth... ...	58	m9	m5	0.1	2	7·6
Portland Bill ...	60	53	*	.1	-	*
Calshot, S'hampton	58	m7	m2	0.2	Tr.	6·9
Dungeness ...	56	m6	*	0.6	Tr.	*
Lympne	57	m1	38	-	-	8·6
Guernsey	59	51	m7	0.1	2	8·2

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h.
Kew	18	b,cy	b,c,b,bc	b,c,b,b	58	mm	39	2	2	7·6	•	•	8
Croydon	244	b,b,c,cy	c,y,b,bc	b,c,b,b,bc	58	m6	m2	Tr.	Tr.	8·3	•	•	7
Greenwich (Royal Observatory) ...	149	bc	c,b,b,bc	b,c,b,b,bc	60	mm	36	Tr.	0·3	7·9	6m	75	6
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	8·1	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	59	m5	m1	/		7·6	61	7m	•
Regents Pk. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	•	4·8	•	•	•
Camden Square	110	bc	bc	•	59	m5	3·	-	0·3	•	•	78	•
Kensington Palace	80	d,r,b,b,c,p	bc	•	59	m5	39	Tr.	0·3	•	At 18h. 73	77	•
Hampstead Observatory	450	b,c,p	b,c,b,bc	•	58	m1	35	0·3	Tr.	8·1	•	78	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

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

Kew Observatory. Max.	Time.	Min.	Time.
0·1	20h.6th	0·0·1	0h.-5h. 7th.

FOREIGN OBSERVATIONS.

STATIONS.	18h. G.M.T. 6th October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 7th OCTOBER. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1007·3	W	m	c	5m	101·3·m			c	57
Brussels	1000·7	W,SW	3	bc	50	100·6	W,SW	3	r,b,c	m6
Berlin						99·3·9	W,S·W	3	c	m8
Zürich	1010·8	W	m	c	m6					
Rome						1008·6	NNE	2	bc	61

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
55	5m	3	/
57	m5	/	7
59	m6	6	-
	50		-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
8th October 1930.
No. 25157

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

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)
Lerwick	995.1	+16	NNW	3	bcjp	50	85	8	8	2	-	4-6	4-6	1500
Stornoway	1000.0	+10	N	2	c	51	65	8	8	6	-	4-6	9	4000
Wick	997.2	+14	NNW	4	bc	52	85	8	8	-	-	4-6	4-6	2500
Tiree	999.8	-2	WNW	1	bc/pr	53	85	8	3	-	8	4-6	4-6	2500
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	998.5	+12	NW	3	bc	55	65	8	2	3	-	2-3	4-6	2500
Malin Head	1000.3	-10	WSW	2	bc	55	85	8	2	-	9	1	4-6	2500
Renfrew	1000.3	+2	W'S	2	c	56	65	8	8	-	-	7-8	7-8	2500
Inchkeith (Edin.)	999.5	+6	WSW	3	c	54	75	8	5	1	-	4-6	9+	5700
Leuchars	999.3	+8	WNW	3	c	55	65	8	8	4	8	9+	9+	4000
Eskdalemuir	1000.0	+2	WNW	2	c	54	65	8	8	-	1	4-6	7-8	2500
Tynemouth	999.8	+12	W	2	c	55	75	7	4	-	-	9+	9+	4000
Blacksod Point	999.8	-22	S	4	c	52	65	8	5	2	-	2-3	9+	800
Aldergrove	1001.9	-10	SSW	4	c	51	85	8	5	1	6	4-6	9	1500
Donaghadee	1001.4	-4	WNW	1	c	54	75	7	5	-	-	7-8	7-8	2500
Birr Castle	1003.0	-16	SSW	2	c	52	85	8	5	2	-	1	10	4000
Holyhead	1004.6	-2	WSW	4	c	54	85	8	5	1	8	7-8	10	1500
Liverpool (Bidston)	1003.6	+4	W	4	c	53	65	8	3	1	-	Tr.	9	1500
Chester (Sealand)	1004.7	+2	W'N	3	c	55	65	8	5	1	-	4-6	10	2500
Harrogate	1001.4	+10	SW	3	c	54	65	8	2	-	8	4-6	7-8	2500
Spurn Head	1000.9	+6	NW	5	c	55	75	7	2	1	8	4-6	9	4000
Birmingham	1005.4	+6	WSW	4	c	53	75	8	6	1	-	1	7-8	2500
Cranwell	1003.1	+10	W	5	c	55	65	7	2	-	6	2-3	9	4000
Gorleston	1002.1	+14	WNW	4	c	54	75	7	7	-	-	9	9	2500
Valentia Obs.	1000.6	-42	SE'E	4	r0r0	52	85	8	5	2	-	7-8	10	800
Roches Point	1003.6	-26	SW	3	rr	51	95	7	6	-	-	10	10	800
Pembroke	1005.4	-2	W	3	r	54	95	7	8	2	-	4-6	10	1500
Ross-on-Wye	1005.7	+4	W'S	2	c	55	65	8	6	7	-	2-3	10	2500
Leafield	1005.9	+6	W'S	3	c	53	65	8	7	3	7	2-3	10	4000
Cardington	1005.0	+12	W	4	c	58	55	8	8	-	8	4-6	9	1500
Winchester	1007.1	+2	W	4	c	56	65	8	4	1	-	4-6	7-8	2500
S. Farnborough	1007.0	+6	W	4	c	58	65	8	1	-	7	4-6	10	2500
London (Kew)	1006.7	+4	W	3	c	57	55	8	4	-	8	7-8	9	2500
Croydon	1007.0	+4	W	4	c	55	65	7	8	-	6	7-8	9+	2500
Manston	1005.6	+10	W	4	c	57	75	8	1	-	7	1	9+	2500
Shoeburyness	1005.8	+10	W'N	2	c	56	75	9	3	4	5	4-6	9+	2500
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	1004.6	+20	WNW	4	bc	56	65	9	5	-	1	4-6	4-6	2500
Scilly (St. Mary's)	1006.9	-24	SSW	4	rr	52	95	6	6	-	-	10	10	4000
Falmouth	1008.9	-14	SWW	4	rr	53	95	7	6	2	-	7-8	10	2500
Plymouth	1008.3	-10	WSW	4	ir	54	85	7	6	2	-	7-8	10	1500
Portland Bill	1007.8	-2	WSW	6	c	57	75	7	8	-	-	9+	9+	1500
Calshot, S'hampton	1007.7	-2	W'S	4	c	57	65	8	3	2	8	2-3	10	2500
Dungeness	*	*	NNW	4	bc	*	*	8	2	1	-	4-6	4-6	4000
Lympne	1006.3	+6	W'N	4	c	55	65	8	2	-	-	9	9	4000
Guernsey	1010.9	-2	WSW	3	0	57	75	7	5	-	-	10	10	2500

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

Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
Lerwick	997.1	+8	N'W	4	bc	47	95	8	5	8	-	2-3	4-6	1500	1	*
Stornoway	998.9	-8	NE	2	c	48	75	8	4	1	-	7-8	9	4000	0	1
Wick	998.5	+4	NNW	2	c	47	95	8	8	6	8	4-6	7-8	2500	0	2
Tiree	996.8	-20	S'E	1	c	46	95	9	8	7	-	4-6	9+	2500	0	1
Nairn	998.5	*	-	0	c	48	95	8	3	-	-	7-8	7-8	2500	0	*
Aberdeen	999.3	+4	NNW	2	bc	47	85	8	7	-	-	2-3	2-3	4000	1	1
Malin Head	995.7	-28	S	3	c	50	95	8	4	7	-	9	10	2500	0	2
Renfrew	999.7	-6	S	2	c	50	85	6	8	-	1	7-8	7-8	4000	1	*
Inchkeith (Edin.)	999.2	-4	WSW	3	c	52	75	7	5	2	-	2-3	9	5700	0	1
Leuchars	999.6	+2	E	2	ir	50	95	6	9	7	-	9	10	2500	1	*
Eskdalemuir	1000.3	0	SW	3	c	46	85	8	8	7	8	2-3	7-8	1500	1	*
Tynemouth	1000.0	0	W	2	c	52	75	6	4	-	-	7-8	7-8	4000	0	2
Blacksod Point	991.2	-40	SE	7	RR	51	85	7	6	7	-	10	10	<150	1	7
Aldergrove	998.4	-22	ESE	8	c	49	85	8	-	7	-	0	9+	-	1	*
Donaghadee	998.9	-16	SSW	2	c	50	85	7	5	-	-	9	9	1500	0	1
Birr Castle	996.0	-34	S	3	0	51	85	7	5	-	-	10	10	2500	1	*
Holyhead	1001.9	-22	S	3	ir0	53	85	8	5	1	-	4-6	10	2500	1	1
Liverpool (Bidston)	1001.6	-6	SE'S	2	c	51	75	8	6	2	-	4-6	10	1500	0	*
Chester (Sealand)	1002.8	-16	S'E	2	c	52	75	6	5	2	-	7-8	10	2500	1	*
Harrogate	1002.8	+6	-	0	bc	46	85	7	-	3	-	0	4-6	-	1	*
Spurn Head	1002.3	+2	W	3	c	52	85	6	5	7	9	4-6	9+	2500	0	3
Birmingham	1004.0	-6	S	2	c	50	85	8	-	7	8	0	10	-	1	*
Cranwell	1003.8	-2	S'E	2	c	47	95	6	5	2	-	4-6	10	2500	1	*
Gorleston	1004.3	+16	SWW	2	c	51	85	6	-	7	-	0	10	-	0	2
Valentia Obs.	994.0	-38	S'E	5	r0r0	55	95	5	5	-	-	10	10	800	1	3
Roches Point	996.9	-40	SW	3	id0	53	95	7	6	-	-	10	10	800	1	3
Pembroke	1000.0	-34	SE	4	q	52	95	8	8	-	-	10	10	1500	1	3
Ross-on-Wye	1003.4	-12	S	3	id0	50	95	6	6	2	-	1	10	1500	1	*
Leafield	1004.5	-8	SSW	3	id0	49	85	7	5	7	-	4-6	7-8	2500	1	*
Cardington	1005.3	0	SW	3	c	51	75	7	5	2	-	4-6	10	1500	0	*
Winchester	1005.8	-10	SSW	2	rr	51	95	7	5	-	-	10	10	1500	1	*
S. Farnborough	1006.0	-10	SW	2	r0r0	51	85	6	6	-	-	10	10	2500	1	*
London (Kew)	1006.1	-6	S'W	2	m	54	75	4	5	2	-	2-3	10	1500	1	*
Croydon	1006.5	-4	S'W	2	z	52	75	5	5	2	-	7-8	10	1500	1	*
Manston	1006.4	+2	SW	2	c	50	85	7	-	7	-	0	10	-	0	*
Shoeburyness	1006.2	0	WSW	3	bc	53	85	8	5	1	-	4-6	4-6	5700	0	*
Clacton-on-Sea	1006.1	+6	W	3	c	54	75	6	5	-	-	7-8	7-8	800	0	1
Felixstowe	1005.8	+6	SW	2	c	53	75	8	5	1	-	4-6	10	5700	0	2
Scilly (St. Mary's)	1001.1	-4	W'S	6	df	57	95	3	6	-	-	10	10	2500	1	4
Falmouth	1001.5	-26	WSW	5	r0r0	58	85	5	5	2	-	4-6	10	1500	2	2
Plymouth	1002.2	-38	SSE	3	d0d0	53	95	5	5	-	-	10	10	450	2	3
Portland Bill	1004.1	-12	S'W	4	dd	54	95	6	5	-	-	10	10	800	1	5
Calshot, S'hampton	1006.0	-12	SW	3	r0r0	52	85	6	6	-	-	10	10	800	1	1
Dungeness	*	*	W	4	c	*	*	7	5	5	-	9+	9+	4000	-	2
Lympne	1006.8	0	WSW	2	c	51	85	7	-	7	-	0	9+	-	0	*
Guernsey	1005.5	-30	S	3	dm	54	95	4	6	-	-	10	10	1500	2	3

PAST 24 HOURS.

Stations. (For heights see p. 4.)	Weather. 7h.—13h. 7th (37)	Weather. 13h.—18h. 7th (38)	Weather. 18h. 7th to 1h. 8th (39)	Weather. 1h.—7h. 8th. (40)
Lerwick	cbepr0	bepr0	bcc	ccr0
Stornoway	bcc	c	c	orrq
Wick	bepr0	bc	bcrr	rrid0cir0
Tiree	bepr0	bcc	cRR	rrc
Nairn	cjpbc	bepre	crr	rro
Aberdeen	bepr0	bc	bcrR	corro
Malin Head	bc	bcc	circ	circ
Renfrew	bc	bebp0	c,R	oRrr
Inchkeith (Edin.)	c	c	c	orrc
Leuchars	cbcc	epr0cr	ocrr,0	oRRr0r0,0
Eskdalemuir	cbc	epr0bc	bcor	orcpR
Tynemouth	c	c	co	oirpc
Blacksod Point	c	ir	prqc	prq
Aldergrove	bcc	c	coRrr	cir
Donaghadee	bcc	c	cir0	cir
Birr Castle	oc	cr0co	orrc	cirq
Holyhead	c	c	zir0r0	bc
Liverpool (Bidston)	p0bcv	ccv	orr	obccr
Chester (Sealand)	pr0bcc	pr0c	cm0rr	cpr0cpr0
Harrogate	bcc	cbc	bcc	cRrqb
Spurn Head	cbcc	bc	corr	orcq
Birmingham	bcc	c	cr0	oirrc
Cranwell	bm0	cz0m0	corrm0	rrc
Gorleston	bccq	c	c	orcq
Valentia Obs.	cbr0crr0	cirer0	cNCrap0	cpqbcap
Roches Point	corr	orroir0	orrc	cbc
Pembroke	cr0	r0rc	orrq	cpcq
Ross-on-Wye	c⊕	cr0	cd0d0c	irqcq
Leafield	c	c	cid0orr	oirr
Cardington	ccy	cyc	cbc	bcbcpbrc
Winchester	bcc	oir0orr	orrir0	or0rrdr
S. Farnborough	bcc	ccr0r0	crdorrr0	Rrrcr
London (Kew)	b,cy	cycm	cmcdm0	cdrc
Croydon	bbcc	cyzmd0	com0d0	crrm0r0
Manston	bcm0c⊕	c	cdr0	crrr0
Shoeburyness	bbcv	bcvcbc	c	cdr
Clacton-on-Sea	bc	bcc	c	cor
Felixstowe	bcv	bcvc	co	orrm0
Scilly (St. Mary's)	crr	ordfo	rrfo	orrcf
Falmouth	coirq	omrrq	oRmcq	orq
Plymouth	bccqr	corddm	amqrr	omqrrc
Portland Bill	c	crrz0	orrz0	RRcz0
Calshot, S'hampton	bc	cor0m0	or0m0rm0	cpr0r0rc0c
Dungeness	b	0		r
Lympne	bbcc	c	cor0d0f	odr0rfmq
Guernsey	bcpro	orrod	rropr	oRr0

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

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

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

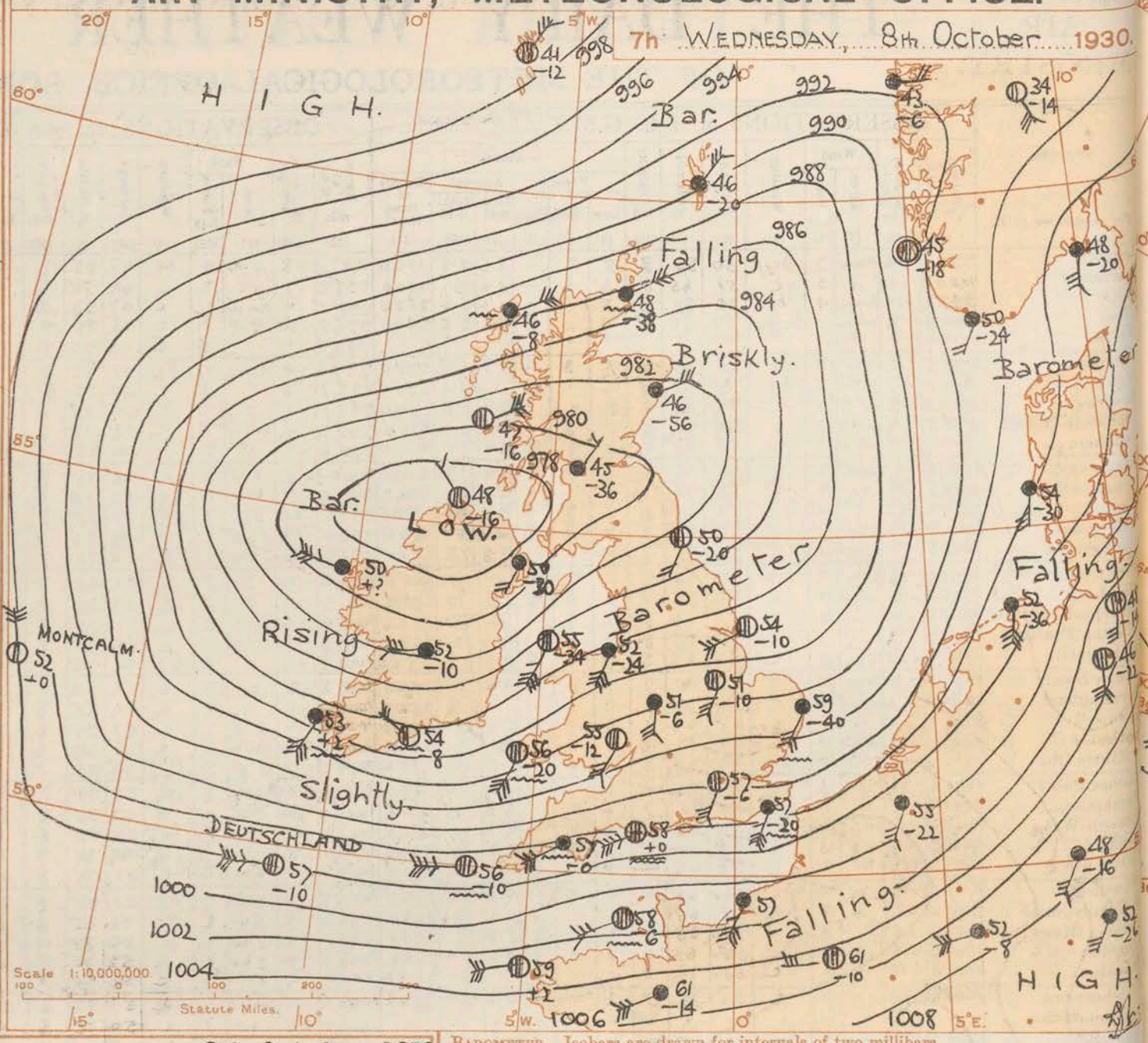
REPORTS from HEALTH RESORTS for 7th October 1930.

STATIONS.	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. 9h. 6½ to 9h. 7½	TEMPERATURE. Max. 9h.—17h. 7½	RAINFALL. Night 17h. 6½ to 9h. 7½	RAINFALL. Day. 9h.—17h. 7½	SUNSHINE. Sunrise to 17h. 7½	SUNSHINE. Sunrise to Sunset. 6½.
Dunbar ...	orbc	bcc	45	55	4	Trace	4.5	9.3
Berwick-on-T. ...	bc	bcc	43	56	1	–	3.5	9.2
Douglas	bccb	cbc	47	54	–	–	4.7	7.0
Llandudno ...	c	c	50	55	3	–	2.0	3.5
Colwyn Bay ...	bco	o	48	55	3	–	1.3	5.8
Rhyl	bcc	c	49	55	2	–	2.4	7.9
Wallasey ...	bcc	c	44	55	3	–	1.8	4.4
Southport . N	bcc	co	49	55	0.4	–	4.2	4.7
Blackpool ...	cbc	vc	50	57	0.2	–	4.6	4.1
Morecambe ...	rrbcc	bbcc	47	56	8	–	3.7	
Ilkley	cbcd	bcc	44	56	6	Trace	4.7	3.8
Cleethorpes ...	bo	bcgo	43	57	–	–	1.7	5.2
Mablethorpe ...	oc	com	43	57	–	–	1.4	5.4
Skegness... ...	obco	o	43	58	3	–	2.1	0.3
Aberystwyth ...	eqbrc	c	51	54	5	–	1.5	4.5
Bath	bcc	bccr	49	57	–	0.5	2.9	7.6
Cheltenham .†	c	cbzor	45	56	0.5	0.3	2.0	6.0
Leamington Spa	cbc	co	43	57	1	–	3.7	5.7
Lowestoft ...	c	c	44	56	–	–	3.5	8.8
Dovercourt ...	bbc	bc	46	57	0.2	–	1.8	6.8
Maldon	b	bcc	44	59	Trace	–	6.6	7.2
Southend ...	bcc	bcco	44	59	Trace	–	5.6	7.0
Ilfracombe ...	cbcb	or	53	57	2	4	1.4	3.4
Bude	bccr	r	50	57	1-2	7	1.7	5.7
St. Ives	br	r	50	59	2	7	0.0	4.9
Penzance ...	or	orr3	51	58	1	10	0.2	7.8
Torquay	bbbc	cordw	48	57	1	2	1.7	8.8
Jersey	bc	r	53	59	1	2	0.5	7.2
Weymouth ...	cbbc	crr	49	60	Trace	3	3.5	7.1
Bournemouth ...	cbbc	or	47	58	0.3	4	3.0	7.5
Ventnor	bbcb	bbcor	49	59	–	2	4.8	7.9
Southsea ...	bc	bcor	48	59	–	–	3.8	6.9
Bognor Regis ...	bbcbc	corr	48	59	–	0.3	5.4	8.0
Littlehampton ..	bc	bcer	47	60	–	Trace	5.3	8.1
Worthing ...	bc	bcor	46	61	–	Trace	5.6	6.2
Brighton... ...	bcbbc	bcco	47	59	–	Trace	5.4	8.9
Eastbourne .†	bcc	co	49	59	–	–	6.6	9.5
Hastings †	bcbc	bcco	44	59	–	–	6.3	9.8
Folkestone ..	bc	bcco	43	59	–	–	5.8	9.1
Dover	bcc	c	46	59	–	–	6.8	8.9
Deal	b	bbc	45	59	–	–	7.1	8.6
Tunbridge Wells	bcc	bco	43	57	–	–	5.5	9.0
Ramsgate ...	b	bbc	44	58	0.6	–	6.6	8.0
Margate... ...	bc	bcc	49	57	Trace	–	6.3	7.7

†Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-6h. | 17h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h WEDNESDAY, 8th October 1930.



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

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 8th October, 1930.
1. S.E. England ▼ 2. E. England ▼ 3. E. Midlands 4. W. Midlands	Fresh or strong westerly wind, veering northwest later; mainly cloudy, occasional rain or showers; bright periods tomorrow; mild today, colder tomorrow.
5. S.W. England ▼ 6. South Wales ▼ 7. North Wales ▼ 8. N.W. England ▼ 9. N. Midlands	Wind west, veering northwest, strong to gale, squally; cloudy, occasional rain; bright intervals and showers tomorrow; becoming colder.
10. N.E. England ▼	As 1 - 4.
11. S.E. Scotland ▼ 12. S.W. Scotland & Isle of Man ▼	Wind variable becoming northwest, strong at times; some rain today, bright intervals and showers tomorrow; becoming colder.
13. A. W. Scotland ▲ B. N.W. Scotland. ▲	Wind northeast to north, fresh or strong, a gale locally, at first; some rain, then showers and brighter intervals; rather cold.
14. Mid-Scotland 15. N.E. Scotland ▲ 16. Orkneys and Shetlands. ▲	Wind northeast, backing northwest, fresh or strong; rainy; improving tomorrow but showery; rather cold.
17. N.W. Ireland ▼ 18. N.E. Ireland ▼ 19. S.E. Ireland ▼ 20. S.W. Ireland ▼	Strong squally northwest wind, a gale locally at first, moderating somewhat later; showery; some bright intervals later; rather cold.

GENERAL INFERENCE.

A deep depression centred over Northern Ireland is moving east-north-east. Weather will be generally unsettled with strong winds reaching gale force locally. Colder northwest winds will prevail tomorrow.

FURTHER OUTLOOK.

Rather cold northwest winds, with unsettled weather but bright intervals.

Times of Issue of Gale Warnings.

▼ South Cone at 0820 on 4th in 17,18 and 20; at 1730 on 4th in 5,6,7,8,12 and 19; and at 1445 on 7th in 1,2,10 and 11.
▲ North Cone at 0900 on 7th in 13A,13B,15 & 16.

Forecasts issued at 1000 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2.
Pa.2495/2:36. Wt.26. 2.6026. Gp.908. 28210. 10/30.

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

Morning of Wednesday 8th October 1930.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

⊙ = Calm.

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

8th October 1930.

No. 25157

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

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)
Lerwick	54	~~996.4~~	-10	NE	3	c	45	75	8	8	-	2	6	7-8	1500
Stornoway ...	34	992.5	-2m	NE	m	r	48	75	7	m	-	-	10	10	m000
Wick	81	993.8	-20	NE	m	rr	48	95	8	6	2	-	6	10	1500
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head ...	51	982.8	-m8	3	3	c/jb	50	95	7	9	6	-	7-8	9	1500
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	991.9	-m2	ESE	3	0	m8	85	8	5	-	-	10	10	800
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir ...	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth ...	67	992.3	-60	3	3	i/o	47	85	7	6	-	-	10	10	1500
Blacksod Point ...	10	98.3	-m0	SW	7	c	5m	75	7	9	-	-	9+	9+	m50
Aldergrove ...	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee ...	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle ...	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead... ...	26	984.7	-60	SW	5	c	46	95	7	2	3	8	2-3	7-8	2500
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate... ...	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head ...	29	996.2	-16	SW	5	rr	50	95	6	6	-	-	10	10	2500
Birmingham ...	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	995.5	-3m	SE	m	rr	m8	96	5	6	-	-	10	10	m50
Gorleston	14	999.8	-32	3	m	c	53	95	7	5	-	-	10	10	2500
Valentia Obs.† ...	30	987.7	-3m	SW	7	9	m9	95	8	6	-	-	m6	m6	m000
Roches Point ...	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke... ...	150	992.8	-10	WSW	5	9	46	85	7	8	7	-	7-8	9+	2500
Ross-on-Wye ...	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lesfield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington ...	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester ...	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew) ...	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	999.3	-m6	SE	m	do	53	95	5	5	2	-	7-8	10	m50
Manston	135	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness ...	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea ...	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe ...	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	998.1	-20	SW	6	r/o	57	96	6	6	-	-	10	10	2500
Falmouth... ...	200	~~994.4~~	-20	SW	7	rr	57	95	6	6	-	-	10	10	2500
Plymouth... ...	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill ...	32	997.9	-16	SW	7	rr	59	95	6	5	-	-	10	10	1500
Calshot, S'hampton	8	1000.3	-1m	SSW	5	c/r	59	95	7	6	2	-	7-8	10	800
Dungeness ...	20														
Lympne	347	1001.3	-30	SE	m	do	52	95	3	6	-	-	10	10	m50
Guernsey	173	1003.5	-10	SW	5	dd	58	95	6	6	-	-	10	10	2500

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

STATIONS.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
Lerwick	991.7	-20	NE	m	i/o	m6	75	8	6	2	-	m6	9	1500	1	•
Stornoway ...	986.m	-8	ENE	6	rr	m6	85	6	6	-	-	10	10	m000	2	m
Wick	986.9	-36	NE	6	i/o	m8	95	8	6	2	-	7-8	10	1500	1	m
Tiree	980.0	-16	NEE	5	c	m7	86	8	5	2	-	9+	10	1500	1	3
Nairn	983.5	•	E	2	rr	m3	95	7	6	-	-	10	10	800	2	•
Aberdeen	982.0	-36	ENE	m	rr	m6	95	6	6	-	-	10	10	800	1	2
Malin Head ...	976.6	-16	NNW	1	c/jb	m8	95	7	9	-	-	9+	9+	1500	1	2
Renfrew	980.9	-36	NE	1	rr	m5	95	5	6	-	-	10	10	1500	1	•
Inchkeith (Edin.)	980.6	-2m	E	1	i/r	m8	96	7	5	m	-	7-8	9	800	1	0
Leuchars	980.2	-mm	N	m	r/o	m6	95	7	6	-	-	10	10	800	1	•
Eskdalemuir ...	980.2	-2m	SSW	m	PR	m7	95	6	3	-	-	9	9	m50	1	•
Tynemouth ...	982.3	-20	SSW	2	c	50	85	6	6	-	-	9	9	1500	1	2
Blacksod Point ...	979.5	?	WNW	7	i/r	50	85	7	9	-	-	10	10	220	2	3
Aldergrove ...	977.8	-38	S	3	i/o	m9	95	7	6	3	-	9	9+	800	1	•
Donaghadee ...	978.1	-30	SW	2	i/R	50	95	7	5	-	-	9+	9+	800	1	1
Birr Castle ...	981.6	-10	W	m	i/o	52	85	7	5	-	-	9	9	1500	1	•
Holyhead... ...	98m.m	-3m	SW	7	c	55	85	7	5	-	-	9+	9+	1500	1	3
Liverpool (Bidston)	98m.6	-2m	SW	6	i/o	52	86	8	6	-	-	m6	m6	2500	1	•
Chester (Sealand)	986.1	-28	SW	5	bc/br	53	85	7	9	-	1	m6	m6	1500	1	•
Harrogate... ...	985.0	-26	SW's	5	b	50	85	7	6	-	9	Tr.	1	2500	1	•
Spurn Head ...	986.2	-10	WSW	5	c	5m	85	7	6	1	8	2-3	9	m000	1	3
Birmingham ...	990.5	-6	S	m	br	51	85	8	6	-	-	7-8	7-8	1500	1	•
Cranwell	988.3	-10	SW	m	c	51	85	7	5	7	-	1	7-8	m000	1	•
Gorleston	990.2	-m0	SW's	5	r/o	59	95	6	6	-	-	10	10	1500	1	3
Valentia Obs.† ...	987.1	+2	SW	6	br	53	85	7	8	-	-	9	9	1500	1	5
Roches Point ...	988.9	-8	NW	m	bc	5m	85	8	3	-	-	2-3	2-3	1500	0	5
Pembroke... ...	988.8	-20	SW'W	6	9	46	85	7	8	-	9	7-8	9+	1500	1	m
Ross-on-Wye ...	991.0	-12	SW	m	c/jb	55	75	7	6	1	2	7-8	9+	2500	1	•
Lesfield	991.8	-6	SW	m	c	52	85	8	6	7	-	9+	9+	1500	1	•
Cardington ...	991.7	0	SW'W	m	c	5m	85	8	5	7	-	m6	9	2500	1	*
Winchester ...	99m.9	-m	WSW	m	c/r	53	85	8	5	2	-	7-8	9	1500	1	•
S. Farnborough ...	99m.6	-10	SW	m	c/r	55	85	8	9	7	3	2-3	9+	800	1	•
London (Kew) ...	99m.m	-6	SW	m	c/r	57	85	7	8	7	-	m6	9+	2500	1	•
Croydon	99m.6	-20	WSW	m	c/r	59	85	7	6	2	-	9	10	m50	1	•
Manston	99m.m	-1m	SW	5	i/o	58	95	6	6	2	-	9+	10	800	1	•
Shoeburyness ...	993.2	-12	SSW	5	c/r	60	95	7	5	-	-	9+	9+	800	1	•
Clacton-on-Sea ...	993.1	-26	SSW	5	c	58	95	7	6	2	-	m6	10	m50	1	3
Felixstowe ...	992.6	-2m	SW	5	o/r	58	95	8	5	-	-	10	10	220	1	m
Scilly (St. Mary's)	996.8	-10	W	8	c	56	95	6	5	-	-	7-8	7-8	m000	0	m
Falmouth... ...	997.1	0	W'S	7	c	56	85	7	3	2	-	m6	9	m000	1	3
Plymouth... ...	996.9	0	WSW	6	i/o	57	75	7	6	-	8	7-8	9+	800	2	m
Portland Bill ...	99m.7	0	WSW	8	c	58	85	6	8	2	-	7-8	9+	1500	1	6
Calshot, S'hampton	996.8	-12	SW	m	c/r	56	86	8	6	7	-	2-3	9+	1500	1	2
Dungeness ...																
Lympne	995.2	-20	SW'S	7	r/o	57	95	5	6	-	-	10	10	1500	*	m
Guernsey	1000.1	-6	W	m	o/r	58	85	7	5	-	-	10	10	2500	1	•

PAST 24 HOURS.

STATIONS.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 7h. Hrs. (36)
Lerwick	51	m2	•	1	2	3.9
Stornoway ...	53	mm	•	-	6	2.6
Wick	52	m0	•	0.1	2	•
Tiree	56	m5	m2	0.3	9	m.8
Nairn	53	m2	•	0.2	10	3.5
Aberdeen	55	m2	32	Tr.	1m	6.9
Malin Head ...	56	m7	•	-	6	3.3
Renfrew	57	m3	m3	Tr.	16	m.8
Inchkeith (Edin.)	56	m5	mm	-	7	2.8
Leuchars	56	m5	m3	2	15	3.9
Eskdalemuir ...	55	m1	m1	1	11	2.3
Tynemouth ...	56	m7	m1	-	13	•
Blacksod Point ...	5m	m8	•	1	6	•
Aldergrove ...	52	m7	m5	-	13	3.3
Donaghadee ...	56	m8	•	-	15	•
Birr Castle ...	52	50	m6	Tr.	3	0.0
Holyhead... ...	55	51	m9	Tr.	2	0.1
Liverpool (Bidston)	53	m9	m7	Tr.	3	2.6
Chester (Sealand)	55	m9	m6	Tr.	3	2.8
Harrogate... ...	53	m5	m1	-	5	2.m
Spurn Head ...	56	m9	•	-	m	2.9
Birmingham ...	54	m8	m6	-	2	2.7
Cranwell	56	m6	m3	-	8	6.0
Gorleston	59	m9	m7	-	0.3	2.6
Valentia Obs.† ...	55	53	m5	11	3	0.0
Roches Point ...	5m	53	•	8	5	•
Pembroke... ...	55	52	•	2	3	0.m
Ross-on-Wye ...	56	50	m9	0.5	2	1.0
Lesfield	54	m6	m6	Tr.	3	2.8
Cardington ...	57	m9	m8	-	0.m	5.9
Winchester ...	58	m9	m8	1	7	3.8
S. Farnborough ...	58	m9	m8	Tr.	6	5.9
London (Kew) ...	57	51	m9	-	2	m.8
Croydon	57	51	m9	Tr.	m	m.m
Manston	58	m8	m5	-	3	6.5
Shoeburyness ...	59	50	m6	-	3	6.6
Clacton-on-Sea ...	57	52	51	-	2	7.0
Felixstowe ...	57	52	m9	-	1	7.6
Scilly (St. Mary's)	58	55	•	4	3	0.0
Falmouth... ...	58	55	•	6	m	0.m
Plymouth... ...	57	53	53	6	7	0.5
Portland Bill ...	58	53	•	3	5	•
Calshot, S'hampton	59	51	53	2	13	3.6
Dungeness ...						
Lympne	61	53	•	Tr.	10	•
Guernsey	57	m9	m7	-	7	5.m

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility. 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
KEW	18	b,cy	cycm	cmdirc	57	51	m9	-	2	m.8	•	•	8
CROYDON	244	bbcc	cyzmdo	comgrro	57	51	m9	Tr.	m	m.m	•	•	7
GREENWICH (Royal Observatory) ...	149	cBc	cyc	cdcrrr	59	51	m6	-	m	m.0	55	70	6
CITY (Bunhill Row)	—	•	•	•	•	•	•	•	•	3.2	•	•	•
WESTMINSTER (St. James' Park) ...	27	•	•	•	•	•	•	•	•	m.1	•	•	•
REGENTS PK. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	•	1.7	•	•	•
CAMDEN SQUARE	110	c	c0	•	58	51	4	-	m	•	•	75	•
KENSINGTON PALACE	80	bcc	c0	•	59	52	m9	-	1	•	At 18h.	75	•
HAMPSTEAD OBSERVATORY	450	bcmp	0d	•	56	m7	m6	0.1	m	m.3	76	75	•

FOREIGN OBSERVATIONS.

STATIONS.	18h. G.M.T. 7th OCTOBER. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 8th OCTOBER. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS						1005.5	W	3	c	61
BRUSSELS	1008.2	WSW	2	6	m8	999.8	SW'S	m	r/o	55
BERLIN						1007.7	SW	2	c	50
ZÜRICH	1016.2	WSW	2	r/o	m8	1019.3	SW	3	i/o	52
ROME	1011.3	WNW	m	bc	6m					

Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
	52		
57	m8	1	6
	m5		-
5m	m6	m	0.3
73		-	

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

SOUTH KENSINGTON. Max.	Time.	Min.	Time.
DEFECTIVE		RECORD.	

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0.2	18h 7th	0.1	0h. 6d. 8th.

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

9th October 1930.

No. 25158

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

STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
Lerwick	987.0	+22	NE	4	c	47	65	8	4	2	-	4-6	7-8	1500
Stornoway ...	988.6	+10	N	7	PR	46	75	6	6	2	-	7-8	10	4000
Wick	989.4	-10	NE	8	c/r	48	85	8	9	2	-	7-8	10	1500
Tiree	~~989.8~~	+38	N	~~6~~ 7	c	50	75	9	5	2	-	4-6	10	1500
Nairn	~~984.8~~													
Aberdeen	978.8	-2	NNE	6	rr	45	85	6	6	2	-	7-8	10	1500
Malin Head ...	983.7	+50	N	5	c/p	49	85	8	9	-	-	9+	9+	2500
Renfrew	981.6	+20	N	2	c	48	75	8	8	-	-	9+	9+	2500
Inchkeith (Edin.)	979.1	+10	NE	4	c	46	85	8	5	2	-	2-3	9+	5700
Leuchars	978.9	+2	N	3	c	47	75	8	5	7	1	7-8	9+	1500
Eskdalemuir ...	978.2	+2	~~NEN~~	4	ir	47	85	7	6	-	-	10	10	1500
Tynemouth ...	977.7	-10	W	2	rr	50	85	6	6	-	-	10	10	1500
Blacksod Point ...	989.5	+46	N	7	q	52	75	8	9	-	-	7-8	7-8	450
Aldergrove ...	982.2	+46	NWN	3	c/r	51	85	8	9	7	9	4-6	7-8	1500
Donaghadee ...	980.2	+30	N	2	ir$_o$	52	85	7	5	-	-	7-8	7-8	800
Birr Castle ...	986.7	+26	WNW	3	bc/pr	53	85	7	3	-	-	4-6	4-6	2500
Holyhead... ...	983.9	+6	WSW	7	pr	54	95	6	9	-	-	9	9	1500
Liverpool (Bidston)	981.3	-12	SWW	6	q	56	65	7	8	-	-	4-6	4-6	4000
Chester (Sealand)	982.8	-10	SWW	5	pr$_o$	56	75	8	8	-	-	4-6	4-6	2500
Harrogate... ...	979.8	-26	SW	8	pr$_o$	55	65	8	6	-	3	1	2-3	2500
Spurn Head ...	981.0	-12	WSW	6	bc	58	95	7	2	3	-	2-3	4-6	4000
Birmingham ...	987.5	-8	SSW	6	pr$_o$	55	75	8	6	6	-	4-6	7-8	2500
Cranwell	984.3	-22	SW	7	bc	58	75	8	8	-	-	4-6	4-6	2500
Gorleston	988.4	-16	SW	7	c	59	75	6	9	6	-	4-6	7-8	2500
Valentia Obs. ...	992.3	+22	W	5	c/pr	55	85	8	5	2	-	4-6	7-8	1500
Roches Point ...	991.4	+14	NW	4	bc	57	75	8	3	-	-	4-6	4-6	1500
Pembroke... ...	987.8	-2	SWW	7	q	56	95	7	8	-	-	7-8	7-8	1500
Ross-on-Wye ...	989.0	-8	SWW	6	q	57	75	8	9	-	8	7-8	9	4000
Leafield	989.5	-12	SWW	6	c/pr	54	75	8	8	3	6	~~4-6~~	~~7-8~~	2500
Cardington ...	989.0	-12	SWW	6	c/pr	56	85	8	8	-	1	7-8	7-8	1500
Winchester ...	993.2	-10	SWW	6	c	58	75	8	5	2	-	7-8	9+	2500
S. Farnborough ...	992.8	-14	SW	6	c	60	65	7	9	9	-	7-8	9	1500
London (Kew) ...	991.8	-14	SW	6	c	60	65	~~68~~	4	3	-	7-8	9	2500
Croydon	993.2	-14	SWW	6	c	60	65	8	5	-	-	9	9	800
Manston	992.9	-12	SW	6	q	59	75	7	5	2	-	7-8	9+	2500
Shoeburyness ...	992.2	-12	SWW	7	bc	61	75	8	5	3	-	2-3	4-6	4000
Clacton-on-Sea ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Felixstowe ...	991.0	-14	WSW	5	c	59	65	8	5	1	1	4-6	9	2500
Scilly (St. Mary's)	997.5	0	W	8	c	57	95	6	9	7	-	4-6	7-8	2500
Falmouth...	~~996.3~~ ~~997.8~~	0	WSW	8	c	58	75	7	3	1	-	4-6	7-8	4000
Plymouth... ...	996.2	-6	SW	8	ir$_o$	57	75	6	6	2	-	9	10	800
Portland Bill ...	994.2	-6	WSW	8	c	59	85	7	8	2	-	9	10	1500
Calshot, S'hampton	994.7	-8	WSW	7	c	60	65	6	5	7	1	4-6	7-8	1500
Dungeness ...	.	.	W	7	c	.	.	6	5	2	.	9	9	1500
Lympne	993.9	-14	SWW	7	c	58	75	7	5	2	-	9	10	1500
Guernsey	1000.8	-2	SW	5	z	60	75	6	5	-	-	10	10	2500

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

STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
Lerwick	986.8	+12	NE	4	c	46	65	8	3	2	-	4-6	9+	1500	0	*
Stornoway ...	993.6	+22	NNW	4	bc	43	75	8	3	3	-	2-3	4-6	4000	1	4
Wick	986.6	+20	NE	8	c	46	85	8	8	2	-	7-8	10	1500	1	5
Tiree	992.6	+44	N	7	bc	47	75	8	4	5	9	2-3	4-6	1500	0	4
Nairn	989.5	.	N'W	5	c/r	44	85	8	3	-	-	7-8	7-8	1500	1	*
Aberdeen	985.3	+48	NNW	5	ir	46	85	8	9	4	-	9	9+	1500	1	3
Malin Head ...	992.4	+58	N	6	c/p	51	85	7	9	-	-	9+	9+	1500	0	4
Renfrew	989.6	+5x	NW	3	<	48	75	7	5	-	-	9	9	2500	/	*
Inchkeith (Edin.)	986.8	+44	NW	4	c	48	75	8	5	2	-	2-3	9+	5700	0	2
Leuchars	986.0	+50	NW	3	c	47	75	9	5	2	-	7-8	10	1500	1	*
Eskdalemuir ...	986.7	+52	~~NW~~ NNE	5	c	44	75	8	5	-	-	7-8	7-8	1500	1	*
Tynemouth ...	982.5	+52	WNW	3	c/r	47	85	6	6	-	-	10	10	1500	1	2
Blacksod Point ...	997.0	+36	N	7	q	51	65	8	9	-	-	4-6	4-6	450	0	5
Aldergrove ...	991.1	+48	NNW	3	ir$_o$	48	75	7	6	-	-	9+	9+	2500	1	*
Donaghadee ...	989.9	+40	NE	4	ir$_o$	51	75	7	6	-	-	9	9	800	1	3
Birr Castle ...	994.0	+42	NNW	3	c	49	85	7	8	-	-	9	9	2500	1	*
Holyhead... ...	989.7	+38	NNW	6	pr	53	95	7	6	-	-	10	10	2500	1	3
Liverpool (Bidston)	987.5	+40	W	4	c/pr	51	95	8	9	-	-	10	10	2500	1	*
Chester (Sealand)	988.0	+48	W'N	4	pr	53	95	7	6	-	-	9+	9+	800	1	*
Harrogate... ...	985.2	+60	W	4	c/pr	48	85	8	6	-	-	9	9	2500	1	*
Spurn Head ...	982.4	-10	W'N	6	c	53	85	6	3	2	-	4-6	9	4000	1	5
Birmingham ...	989.6	+20	SSW	5	bc	52	75	8	5	7	-	4-6	4-6	4000	1	*
Cranwell	986.5	+26	WSW	5	pr	53	85	8	8	-	-	7-8	7-8	1500	1	*
Gorleston	987.6	-10	WSW	~~6~~ 7	ir$_o$	57	75	7	6	-	6	4-6	4-6	2500	0	4
Valentia Obs. ...	989.9	+42	NW'N	5	bc/p	52	75	8	5	-	1	4-6	4-6	1500	1	4
Roches Point ...	995.1	+36	NW	4	bc	53	85	8	3	-	-	2-3	2-3	1500	0	3
Pembroke... ...	990.8	+22	SWW	7	q	55	95	7	8	7	-	4-6	7-8	1500	1	4
Leafield	990.8	+8	W'S	5	q	54	75	7	9	2	3	2-3	7-8	2500	1	*
Cardington ...	991.4	+10	SW'W	5	bc/pr	50	95	8	8	3	-	2-3	4-6	2500	1	*
Winchester ...	989.9	+14	WSW	6	bc	54	75	8	5	1	-	4-6	4-6	2500	1	*
S. Farnborough ...	994.3	+8	SW	5	q/pr	55	79	7	5	-	-	10	10	2500	1	*
London (Kew) ...	993.5	+10	SWW	5	c/r	55	75	7	6	.	.	9+	9+	1500	1	*
Croydon	993.0	+14	WSW	5	q	56	75	~~67~~	8	7	-	7-8	10	2500	1	*
Manston	993.2	+2	SW'W	5	c	56	65	6	5	-	-	9+	9+	800	1	*
Shoeburyness ...	992.7	+12	SW	7	c	57	85	8	5	-	-	7-8	7-8	1500	0	*
Clacton-on-Sea ...	991.6	+10	SW	7	c	57	75	7	3	-	-	7-8	7-8	450	0	4
Felixstowe ...	990.7	+6	WSW	6	c	58	75	8	5	-	-	7-8	7-8	2500	1	4
Scilly (St. Mary's)	998.0	+2	W	8	c/pr	54	95	6	8	3	1	4-6	7-8	4000	1	5
Falmouth...	997.7	0	WSW	6	c	55	85	7	3	1	-	4-6	7-8	4000	1	3
Plymouth... ...	997.0	+4	WSW	6	ir$_o$	56	85	6	6	-	-	10	10	800	1	5
Portland Bill ...	994.7	+6	WSW	8	ir	56	95	6	8	2	-	9	10	1500	1	6
Calshot, S'hampton	995.2	+6	WSW	6	c/pr	57	75	6	5	2	-	7-8	10	1500	0	4
Dungeness ...	.	.	SW	9	PR	.	.	5	9	-	-	9	9	1500	.	4
Lympne	994.8	+8	WSW	7	bc/pr	56	75	7	5	7	-	2-3	4-6	1500	1	*
Guernsey	1001.1	+4	SW	5	o	58	~~85~~	6	5	-	-	10	10	2500	1	4

PAST 24 HOURS.

STATIONS. (For heights see p. 4.)	Weather. 7h.—13h. 8th (37)	Weather. 13h.—18h. 8th (38)	Weather. 18h. 8th to 1h. 9th (39)	Weather. 1h.—7h. 9th. (40)
Lerwick				
Stornoway ...				
Wick				
Tiree				
Nairn				
Aberdeen				
Malin Head ...				
Renfrew				
Inchkeith (Edin.)				
Leuchars				
Eskdalemuir ...				
Tynemouth ...				
Blacksod Point ...				
Aldergrove ...				
Donaghadee ...				
Birr Castle ...				
Holyhead... ...				
Liverpool (Bidston)				
Chester (Sealand)				
Harrogate... ...				
Spurn Head ...				
Birmingham ...				
Cranwell				
Gorleston				
Valentia Obs. ...				
Roches Point ...				
Pembroke... ...				
Ross-on-Wye ...				
Leafield				
Cardington ...				
Winchester ...				
S. Farnborough ...				
London (Kew) ...				
Croydon				
Manston				
Shoeburyness ...				
Clacton-on-Sea ...				
Felixstowe ...				
Scilly (St. Mary's)				
Falmouth...				
Plymouth... ...				
Portland Bill ...				
Calshot, S'hampton				
Dungeness ...				
Lympne				
Guernsey				

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

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

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

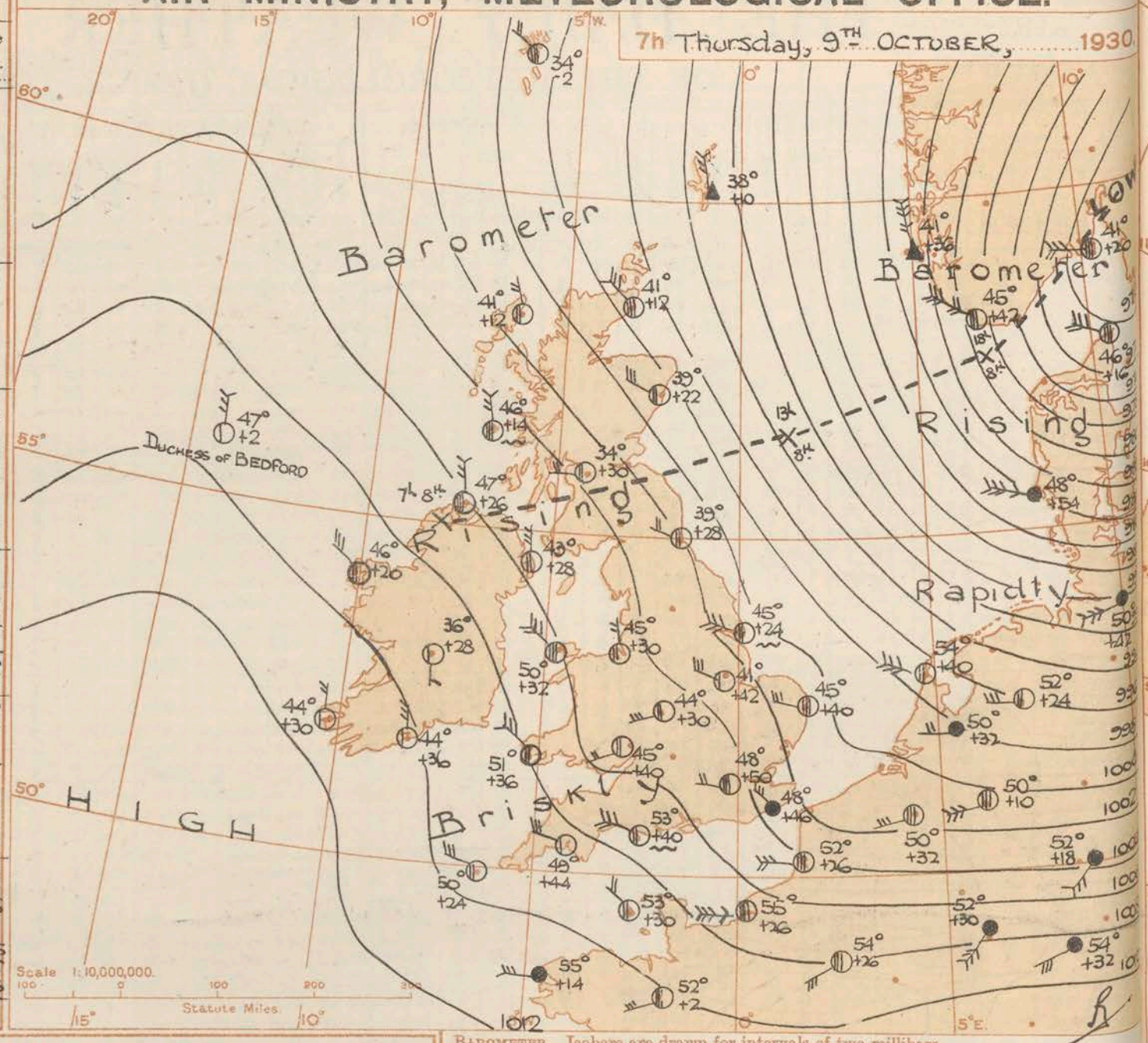
REPORTS from HEALTH RESORTS for 8th October 1930.

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. to 9h.	Temperature. Max. 9h.—17h.	Rainfall. Night. 17h. to 9h.	Rainfall. Day. 9h.—17h.	Sunshine. Sunrise to 17h.	Sunshine. Sunrise to Sunset.
Dunbar ...	bcc	cr°	45	50	5	2	0.0	4.5
Berwick-on-T. ...	oR	Ro	46	49	5	11	0.0	3.5
Douglas	cbqR	cb	50	54	9	4	2.0	4.7
Llandudno ...	crc	bccr	50	58	3	1	4.9	2.0
Colwyn Bay ...	obc	bcbrr	49	58	2	0.5	4.8	1.3
Rhyl	m°bc	bccpr	49	59	2	1	6.6	2.4
Wallasey ...	cbcwp	bccir	49	59	5	1	6.6	1.8
Southport ...	bcco	circo	49	59	5	3	4.5	4.2
Blackpool ...	cqp	co	49	58	5	2	2.6	4.6
Morecambe ...	cbcr	cbbcr	48	56	5	6	1.3	3.7
Ilkley	cPbc	bcP	46	58	5	3	3.5	4.7
Cleethorpes ...	roc	bogre	45	60	4	2	6.0	1.7
Mablethorpe ...	ocbc	bcpc	46	59	8	0.3	5.5	1.4
Skegness... ...	obco	bbco	46	58	8	–	5.3	2.1
Aberystwyth ...	cQ br	cQbr	55	57	3	1	3.6	1.5
Bath	cqiR	cpbc	50	59	3	4	1.7	2.9
Cheltenham ... †	circ	crqc	49	58	2	6	2.5	2.0
Leamington Spa	ocpr	bccpr	50	59	2	1	3.8	3.7
Lowestoft ...	bcco	cidbc	48	60	0.3	Trace	2.2	3.5
Dovercourt ...	boc	pbcc	50	60	1	Trace	1.0	7.8
Maldon	c	c	47	61	2	–	0.6	6.6
Southend ...	bbc	bccr°	~~52~~ 51	62	2	Trace	2.4	5.6
Ilfracombe ...	ocb	P	51	58	9	7	0.2	1.4
Bude	pcbcc	oq	50	58	4	Trace	2.0	1.7
St. Ives	c	c	51	58	5	–	1.5	0.0
Penzance ...	c	c	52	59	4	–	0.4	0.2
Torquay	Roq	ocpoqip	52	60	9	Trace	1.6	1.7
Jersey	rqc	cbcc	54	61	10	–	1.3	0.5
Weymouth ...	cq	cqc	53	61	10	–	0.7	3.5
Bournemouth ...	ococ	o	51	59	13	–	0.5	3.0
Ventnor	orcu	orpu	52	59	16	–	0.1	4.8
Southsea ...	oro	bcob	52	61	12	0.3	1.1	3.8
Bognor Regis ...	cbcc	cr°c	48	60	12	0.3	0.1	5.4
Littlehampton ...	c	cp°c	52	60	15	Trace	0.4	5.3
Worthing ...	oc	occ°	52	60	16	Trace	0.6	5.6
Brighton... ...	oc	cod°	53	60	15	Trace	0.0	5.4
Eastbourne ... †	o	ocbpc	53	60	23	0.4	0.4	6.6
Hastings ... †	coc	cpbcc	52	60	17	0.3	0.0	6.3
Folkestone ...	ro	oc	52	61	18	–	0.1	5.8
Dover	c	c	53	60	18	–	0.2	6.8
Deal	roc	cbc	51	61	17	–	0.9	7.1
Tunbridge Wells	oco	ocpo	50	58	18	Trace	0.5	5.5
Ramsgate ...	c	c	52	61	23	–	1.3	6.6
Margate	bcc	bc	51	61	23	–	1.8	6.3

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Thursday, 9TH OCTOBER, 1930.



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

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 9th.Oct. 1930.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England	Moderate northwest wind, backing later; mainly fair; a few local showers at first; deteriorating tomorrow; rather cool, slight ground frost locally at night.
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	Moderate northwest wind, backing and freshening later; fair at first apart from a few local showers; some rain tomorrow; rather cool; becoming milder tomorrow.
13. A. W. Scotld. B. N.W. Scotland.	Wind backing southwest and freshening considerably; fair at first apart from local showers; rain later; becoming milder.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	As 6 - 12.
17. N.W. Ireland	As 13.
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 6 - 12.

GENERAL INFERENCE.

A wedge of high pressure will cross the British Isles, giving an interval of mainly fair weather. A depression southwest of Iceland will move east-southeast and deteriorating weather will spread across the country later.

FURTHER OUTLOOK.

Unsettled.

Forecasts issued at 1010 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2. Pa.2495/2188. We.28. 0.6026. Gp.308. 28210. 10/30.

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

Morning of
THURSDAY,
9th October,
1930.

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

⊙ = Calm.

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

9th October 1930.

No. 25158

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

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)
Lerwick	54	991.2	+22	NE	5	bc	41	75	8	8	-	-	2-3	2-3	1500
Stornoway	34	999.4	+20	N	3	bc	41	85	7	9	-	-	4-6	4-6	4000
Wick	81	994.8	+32	NW	5	pr$_0$	42	85	8	9	7	8	4-6	4-6	2500
Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	51	1000.8	+30	N	6	bc/pr$_0$	47	95	8	3	-	-	2-3	2-3	2500
Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Inchkeith (Edin.)	190	996.3	+30	NW	4	bc	42	75	8	5	9	-	2-3	4-6	5700
Leuchars	30	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	67	994.9	+40	NW	3	bc	42	85	7	2	-	2	2-3	4-6	2500
Blacksod Point	10	1004.8	+34	N	3	bc	46	65	8	8	-	-	2-3	2-3	2500
Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	998.7	+42	NNE	5	pr	52	85	7	8	-	-	9	9	1500
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	29	992.3	+20	NW'N	6	bc	47	85	7	-	7	9	-	2-3	-
Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	241	995.3	+40	NW'W	4	c	45	85	6	5	3	-	7-8	9	4000
Gorleston	14	993.1	+26	W	3	c	49	95	7	7	-	-	10	10	4000
Valentia Obs.†	30	1006.8	+30	NW	4	bc	50	95	8	6	-	-	2-3	2-3	4000
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke	150	999.9	+36	NW	4	q	51	95	8	7	-	-	4-6	4-6	1500
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Winchester	272	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	244	996.7	+18	WSW	5	c	53	75	7	4	-	-	7-8	7-8	5700
Manston	135	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Clacton-on-Sea	55	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Scilly (St. Mary's)	163	1004.4	+28	NNW	5	bc	52	85	7	2	-	-	2-3	2-3	4000
Falmouth	200	1002.3	+14	WNW	4	bc	52	85	7	2	-	-	2-3	2-3	4000
Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	32	998.7	+30	W	8	c	55	85	8	8	-	-	7-8	7-8	2500
Calshot, S'hampton	8	997.9	+22	W'N	4	bc	53	75	7	5	4	-	2-3	4-6	2500
Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	347	996.5	+10	W	4	bc	53	85	7	8	-	1	4-6	4-6	1500
Guernsey	173	1002.4	+20	W	4	3	55	85	6	5	-	-	10	10	1500

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

STATIONS.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
Lerwick	993.1	+10	N'W	4	ph$_0$	38	95	8	9	-	-	4-6	4-6	1500	1	*
Stornoway	1001.9	+12	NNW	2	bc	41	85	8	3	7	1	2-3	4-6	4000	1	1
Wick	997.8	+12	NW	4	c	41	95	8	9	4	-	4-6	7-8	1500	1	3
Tiree	1004.9	+14	N'W	4	c	46	75	8	5	4	-	4-6	7-8	2500	1	4
Nairn	1000.3	*	N'W	3	c	40	85	8	3	-	-	7-8	7-8	2500	0	*
Aberdeen	999.9	+22	WNW	3	bc	39	85	8	3	4	-	2-3	2-3	2500	1	2
Malin Head	1005.8	+26	N	4	c/p	47	85	8	9	6	-	4-6	7-8	1500	1	3
Renfrew	1004.9	+30	W	2	bc	34	95	8	5	8	1	2-3	4-6	4000	1	*
Inchkeith (Edin.)	1002.3	+30	WSW	3	bc	41	85	7	1	4	-	1	2-3	4000	0	1
Leuchars	1002.1	+26	W	4	bc	40	75	9	7	3	-	2-3	4-6	4000	1	*
Eskdalemuir	1003.9	+14	W	1	b	35	75	9	-	-	-	0	0	-	1	*
Tynemouth	1003.0	+28	WNW	2	bc	39	85	6	2	-	-	2-3	2-3	2500	1	2
Blacksod Point	1009.9	+20	NW	3	bc	46	65	8	4	-	-	4-6	4-6	2500	0	3
Aldergrove	1007.1	+30	WNW	2	bc/pr$_0$	40	95	8	9	-	-	4-6	4-6	2500	1	*
Donaghadee	1005.1	+28	N	3	bc/pr	43	85	7	5	3	-	4-6	4-6	4000	1	2
Birr Castle	1009.6	+28	S	1	b	36	95	8	-	4	-	-	1	-	1	*
Holyhead	1006.0	+32	NW'N	5	c/p	50	75	9	4	-	-	7-8	7-8	2500	1	3
Liverpool (Bidston)	1004.7	+30	N'W	2	bc/p$_0$	45	75	8	9	-	-	4-6	4-6	2500	1	*
Chester (Sealand)	1004.9	+46	SW'W	1	pr	45	85	7	9	-	-	7-8	7-8	1500	1	*
Harrogate	1003.5	+50	SW	2	b	37	85	8	1	4	-	Tr	Tr	4000	1	*
Spurn Head	1000.6	+24	WNW	6	bc	45	85	7	2	2	-	2-3	4-6	4000	0	5
Birmingham	1005.2	+30	WSW	3	bc	44	95	5	5	3	-	1	2-3	4000	1	*
Cranwell	1003.1	+42	NW'W	3	b	41	95	6	5	-	-	Tr	Tr	4000	1	*
Gorleston	1000.3	+40	W'N	3	c	45	95	7	-	6	-	-	7-8	-	0	2
Valentia Obs.†	1011.3	+30	N	2	b	44	85	8	7	-	-	1	1	2500	1	2
Roches Point	1010.2	+36	N	3	b	44	95	8	5	-	-	1	1	1500	0	2
Pembroke	1008.5	+18	NW	3	bc	49	95	8	7	8	-	4-6	4-6	2500	1	3
Ross-on-Wye	1005.6	+40	WSW	2	bc	45	85	8	8	8	-	2-3	2-3	4000	1	*
Leafield	1004.9	+40	WNW	3	bc	44	95	8	5	-	-	4-6	4-6	4000	1	*
Cardington	1004.2	+40	W'N	2	c	45	85	6	4	6	-	4-6	7-8	2500	1	*
Winchester	1005.4	+40	W'N	3	bc	47	95	8	5	-	-	4-6	4-6	4000	1	*
S. Farnborough	1005.0	+44	WNW	2	b	45	95	7	-	4	-	-	1	-	1	*
London (Kew)	1005.0	+50	W	2	c	48	95	5	5	-	8	7-8	7-8	4000	1	*
Croydon	1004.8	+50	WNW	2	3	48	85	6	5	-	-	9	9	2500	1	*
Manston	1003.3	+48	W	3	c/r	49	95	7	5	-	-	9+	9+	2500	1	*
Shoeburyness	1003.1	+50	NNW	2	b/pr	46	95	8	-	4	-	-	1	-	1	*
Clacton-on-Sea	1001.5	+40	NW	3	bc	46	95	7	5	-	-	4-6	4-6	450	1	2
Felixstowe	1002.9	+40	NW'N	2	bc	47	85	7	-	3	-	-	4-6	-	1	2
Scilly (St. Mary's)	1009.5	+24	NW'W	3	bc	50	85	8	2	-	-	4-6	4-6	4000	0	2
Falmouth	1009.4	+30	NW'W	2	bc	49	85	8	3	-	-	2-3	2-3	4000	0	0
Plymouth	1008.5	+44	NW	3	b	49	85	8	2	-	-	1	1	2500	1	3
Portland Bill	1006.6	+40	WNW	5	bc	53	85	8	2	-	-	4-6	4-6	2500	1	4
Calshot, S'hampton	1005.4	+38	WNW	3	b	48	85	7	5	4	-	1	1	2500	0	1
Dungeness	1003.6	+46	NW'N	3	ia$_0$	48	95	6	6	-	-	9+	9+	800	1	*
Lympne	1008.3	+30	NW	2	bc	53	75	9	5	-	-	4-6	4-6	2500	1	3

PAST 24 HOURS.

STATIONS.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 8th Hrs. (36)
Lerwick	47	37	*	2	2	0.0
Stornoway	48	38	*	5	2	1.0
Wick	49	38	*	2	4	*
Tiree	50	43	39	Tr.	0.2	1.0
Nairn	48	37	*	1.2	1	0.0
Aberdeen	46	38	33	1.5	2	0.0
Malin Head	53	42	*	0.4	1	0.8
Renfrew	49	31	21	6	-	0.3
Inchkeith (Edin.)	48	41	38	1.0	-	0.0
Leuchars	48	34	28	0.3	-	0.0
Eskdalemuir	48	33	25	1.5	-	0.0
Tynemouth	50	38	34	1.0	3	*
Blacksod Point	54	44	*	2.1	0.6	*
Aldergrove	53	37	28	2	0.2	0.6
Donaghadee	54	41	*	0.4	0.4	*
Birr Castle	57	35	26	3	-	4.2
Holyhead	58	47	44	1	7	4.3
Liverpool (Bidston)	57	45	41	2	0.6	6.4
Chester (Sealand)	59	45	40	2	2	6.6
Harrogate	57	36	33	2	-	6.5
Spurn Head	59	45	*	2	-	6.0
Birmingham	56	43	39	1	3	2.0
Cranwell	59	40	37	0.6	1	5.0
Gorleston	60	44	42	0.2	1	1.7
Valentia Obs.†	55	43	31	1	0.3	4.0
Roches Point	58	43	*	3	Tr	*
Pembroke	57	49	*	1	1	4.1
Ross-on-Wye	57	44	37	3	1	3.7
Leafield	56	41	38	2	1	1.6
Cardington	59	45	41	1	0.3	3.0
Winchester	59	45	45	0.1	1	0.9
S. Farnborough	60	45	36	0.2	Tr	1.8
London (Kew)	61	48	41	0.1	0.1	1.6
Croydon	60	48	43	0.3	0.1	1.7
Manston	61	48	45	Tr.	0.2	1.1
Shoeburyness	63	44	42	Tr.	Tr.	2.7
Clacton-on-Sea	60	46	44	0.3	1	0.5
Felixstowe	60	46	43	0.3	0.2	0.6
Scilly (St. Mary's)	58	50	*	0.4	0.2	1.5
Falmouth	58	49	*	0.4	0.2	0.8
Plymouth	59	49	45	0.4	0.4	0.1
Portland Bill	60	52	*	1	0.4	*
Calshot, S'hampton	61	47	43	0.1	0.5	0.4
Dungeness	60	47	*	0.4	4	*
Lympne	58	47	44	0.6	0.1	0.2
Guernsey	61	53	47	-	4	1.4

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h.
Kew	18	c	cp$_0$qc	cpca$_0$	61	48	41	0.1	0.1	1.6	*	*	6
Croydon	244	cq	cpr$_0$q	cbcbcc	60	48	45	0.1	-	1.7	*	*	6
Greenwich (Royal Observatory)	149	cq	cp$_0$q	crc	63	47	40	Tr	1	1.2	67	80	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.8	*	*	*
Westminster (St. James' Park)	27	*	*	*						0.8	*	*	*
Regents Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	0.5	*	*	*
Camden Square	110	c	c 0	*	60	46	*	-	3	*	*	90	*
Kensington Palace	80	orcoco	copbcc	*	61	48	41	Tr	2	*	At 18h. 78	81	*
Hampstead Observatory	450	obcp	orc	*	59	43	33	1	2	0.7	*	86	*

FOREIGN OBSERVATIONS.

STATIONS.	18h. G.M.T. 8th OCTOBER Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 9th OCTOBER Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
Paris	1003.0	WSW	3	bc	63	1008.2	WSW	3	c	54		50		3
Brussels	997.5	WSW	4	c	55	1001.8	WSW	3	c	50	59	50	5	1
Berlin	996.3	WSW	5	rr	55	993.5	WSW	4	c	54	55	54	6	1
Zürich	1013.0	SW	2	c	61	1009.2	W	3	c	61	68	59	-	0.5
Rome						1012.0	-	0	ir$_0$	66		57		Tr

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

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

Kew Observatory. Max.	Time.	Min.	Time.
0.1	17hr to 8th	0.1	23 hr 8th to 3hr 9th

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

Objects not visible at

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

10th. October 1930.

No. 25,159

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

STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	°F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
Lerwick	996.2	+10	WNW	4	$ph_o(r)$	41	75	8	9	-	-	4-6	4-6	1500
Stornoway ...	1001.9	0	W	3	r_o	46	95	7	6	-	-	10	10	4000
Wick	1000.4	+12	W	3	$r_o r_o$	42	75	8	6	2	-	7-8	10	1500
Tiree	1006.8	+10	~~W~~ WSW	~~3~~ 5	$r_o r_o$	42	75	8	8	3	-	2-6	7-8	1500
Nairn	*	*	*	*	c/pr	50	*	*	*	*	*	*	*	*
Aberdeen	1002.8	+12	WNW	4	c	49	55	8	3	4	-	4-6	7-8	2500
Malin Head ...	1008.7	+12	W	5	bcjp	52	85	8	3	8	-	2-3	2-3	2500
Renfrew	1007.7	+12	W	4	bc	52	55	8	1	4	9	2-3	4-6	4000
Inchkeith (Edin.)	1005.3	+16	WSW	4	c	48	65	8	1	4	8	2-3	7-8	4000
Leuchars	1004.5	+6	W	4	bc	51	55	9	1	4	1	2-3	4-6	4000
Eskdalemuir ...	1007.1	+12	W	4	bc	49	55	9	1	-	1	2-3	4-6	2500
Tynemouth ...	1005.9	+10	WNW	3	bc	53	55	7	2	-	-	4-6	4-6	2500
Blacksod Point ...	1013.1	+14	W	4	bc	51	65	8	4	-	-	4-6	4-6	2500
Aldergrove ...	1010.5	+12	W	3	bcjp	53	55	8	8	4	-	4-6	4-6	2500
Donaghadee ...	1009.7	+8	W	2	bc	52	55	8	8	-	-	2-3	2-3	4000
Birr Castle ...	1013.2	+10	N	2	bc	51	55	8	1	-	-	4-6	4-6	4000
Holyhead... ...	1011.3	+20	NW'W	5	bc	51	65	9	1	-	-	4-6	4-6	4000
Liverpool (Bidston)	1010.1	+12	W'S	4	bc	49	65	9	8	-	-	4-6	4-6	4000
Chester (Sealand)	1010.6	+22	W'N	3	bc/pr	50	75	8	9	-	-	4-6	4-6	2500
Harrogate... ...	1008.0	+26	SW	3	b	51	55	9	1	-	-	Tr.	Tr.	4000
Spurn Head ...	1006.1	+10	NW'W	4	bc	51	65	7	2	-	-	2-3	2-3	4000
Birmingham ...	1010.1	+20	WSW	4	bc	51	55	8	4	-	-	4-6	4-6	4000
Cranwell	1008.8	+18	NW'W	3	b	51	65	6	1	-	-	1	1	4000
Gorleston	1007.8	+30	NNW	3	bc	52	75	7	2	-	-	4-6	4-6	4000
Valentia Obs. ...	1015.3	+16	W'N	2	bc	53	65	9	2	-	-	2-3	2-3	2500
Roches Point ...	1014.1	+20	N	3	bc	53	65	9	8	-	-	2-3	2-3	2500
Pembroke... ...	1012.4	+24	NW	2	bc	53	95	8	1	-	-	4-6	4-6	2500
Ross-on-Wye ...	1010.6	+14	W'N	3	bc	52	55	9	1	-	-	2-3	2-3	4000
Leafield	1010.5	+20	NW	4	bc	51	55	9	1	-	-	2-3	2-3	4000
Cardington ...	1009.3	+20	W'N	2	c	53	65	7	2	-	-	7-8	7-8	4000
Winchester ...	1010.2	+18	WNW	4	bc	57	55	8	2	-	-	4-6	4-6	2500
S. Farnborough ...	1010.1	+20	NNW	3	bc	57	75	8	9	-	-	4-6	4-6	2500
London (Kew) ...	1010.3	+20	W	4	bc	56	55	8	2	-	-	2-3	2-3	4000
Croydon	1010.6	+18	WNW	3	bc	56	55	7	8	-	-	4-6	4-6	4000
Manston	1009.4	+26	W	3	bc	56	65	8	1	-	-	4-6	4-6	4000
Shoeburyness ...	1010.0	+26	WNW	2	bc	54	75	8	2	-	-	4-6	4-6	4000
Clacton-on-Sea ...	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Felixstowe ...	1009.1	+22	NW	3	bc	52	55	8	1	-	-	2-3	2-3	4000
Scilly (St. Mary's)	1013.9	+20	N	3	bc	54	75	8	2	-	-	4-6	4-6	4000
Falmouth... ...	1013.6	+10	NW	3	bc	55	55	8	3	-	-	4-6	4-6	4000
Plymouth... ...	1012.6	+14	NW	2	pr_o	54	55	9	3	-	-	9	9	4000
Portland Bill ...	1011.2	+14	WNW	4	bc	58	75	8	2	~~8~~	-	4-6	4-6	2500
Calshot, S'hampton	1010.6	+16	NW	3	bc	57	55	8	1	4	-	2-3	2-3	2500
Dungeness ...	*	*	W	3	c	*	*	6	4	-	-	7-8	7-8	1500
Lympne	1010.8	+38	NW	3	bc	53	65	7	7	-	-	4-6	4-6	5700
Guernsey	1012.9	+16	WNW	2	bc	58	65	8	7	-	-	4-6	4-6	2500

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

STATIONS.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	°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)
Lerwick	997.5	+10	WNW	3	bcjp	41	75	8	9	8	-	2-3	4-6	1500	1	*
Stornoway ...	1001.8	+6	WNW	3	rr	46	95	6	6	-	-	10	10	4000	2	2
Wick	1001.3	+4	WNW	3	$r_o r_o$	42	95	8	6	-	-	10	10	1500	1	2
Tiree	1006.7	0	W	5	bc	50	65	8	4	-	5	2-3	4-6	2500	0	2
Nairn	1002.0	*	NW	2	r	45	95	7	6	-	-	9	9	800	2	*
Aberdeen	1003.2	0	W	3	ir_o	47	75	7	6	2	-	7-8	10	2500	1	1
Malin Head ...	1008.4	0	W	5	bcjp	50	85	8	3	-	-	4-6	4-6	1500	1	3
Renfrew	1007.8	+2	WSW	3	pr	47	75	8	8	7	1	4-6	9	2500	1	*
Inchkeith (Edin.)	1005.7	+4	WSW	5	c	48	75	8	5	2	-	2-3	10	1500	0	3
Leuchars	1005.2	+2	W	4	c	45	75	8	5	7	1	2-3	9	4000	1	*
Eskdalemuir ...	1008.4	-2	W'S	5	c	44	75	8	5	7	6	2-3	7-8	2500	1	*
Tynemouth ...	1007.7	+8	W	3	bc	47	65	6	5	-	1	4-6	4-6	800	0	3
Blacksod Point ...	1012.5	-2	W	4	pR	50	75	8	3	-	-	7-8	7-8	4000	0	3
Aldergrove ...	1011.1	+6	SW'W	3	bc	47	75	8	8	1	8	4-6	4-6	4000	1	*
Donaghadee ...	1009.7	~~+8~~	SSE	1	bc	~~46~~	~~35~~	7	8	-	-	2-3	2-3	4000	?	0
Birr Castle ...	1014.4	+2	W	1	bc	47	75	8	-	3	-	0	2-3	-	1	*
Holyhead... ...	1012.8	+8	W	4	bc	51	65	9	4	-	1	2-3	2-3	4000	1	2
Liverpool (Bidston)	1012.5	+8	W	4	bc	48	65	9	8	-	-	2-3	2-3	2500	0	*
Chester (Sealand)	1013.0	+16	W'S	2	bc	48	75	7	2	-	-	2-3	2-3	4000	0	*
Harrogate... ...	1010.8	+14	SW	3	b	44	75	8	1	4	-	Tr.	Tr.	4000	1	*
Spurn Head ...	1009.6	+10	NW'W	4	bc	50	75	7	-	1	-	0	4-6	-	0	5
Birmingham ...	1013.7	+18	SW	2	cjp	47	75	6	6	-	-	7-8	7-8	2500	1	*
Cranwell	1012.0	+22	W'N	3	b	46	75	6	4	-	-	Tr.	Tr.	4000	1	*
Gorleston	1011.3	+10	SW'W	1	bc	48	75	6	5	-	-	4-6	4-6	2500	0	2
Valentia Obs. ...	1016.4	+6	W'S	2	bc	52	75	9	7	-	-	2-3	2-3	2500	1	2
Roches Point ...	1015.6	+8	NNW	2	bc	53	65	9	5	3	-	2-3	4-6	2500	0	2
Pembroke... ...	1015.0	+12	NW	2	bc	51	85	8	1	-	-	4-6	4-6	2500	0	1
Ross-on-Wye ...	1013.7	+16	W	2	b	46	75	9	4	-	-	Tr.	Tr.	4000	1	*
Leafield	1013.5	+14	WNW	3	b	45	75	9	7	4	-	Tr.	Tr.	5700	0	*
Cardington ...	1012.5	+22	W	2	b	47	65	7	5	1	-	Tr.	1	5700	0	*
Winchester ...	1013.6	+20	W'N	2	b	45	85	7	2	-	-	1	1	2500	0	*
S. Farnborough ...	1013.1	+22	WNW	2	b	47	75	6	5	-	1	Tr.	1	4000	1	*
London (Kew) ...	1013.5	+22	-	0	m	48	75	4	-	-	-	0	0	-	1	*
Croydon	1013.5	+20	W	1	2	49	65	6	5	-	-	Tr.	Tr.	4000	1	*
Manston	1012.5	+20	WSW	2	b	47	85	7	-	-	-	0	0	-	1	*
Shoeburyness ...	1013.3	+20	W'N	1	b	47	75	6	-	-	-	0	0	-	0	*
Clacton-on-Sea ...	1012.5	+14	NNW	2	b	50	75	6	-	-	4	0	0	-	0	1
Felixstowe ...	1012.7	+18	WSW	1	b	50	75	7	-	-	-	0	0	-	0	2
Scilly (St. Mary's)	1017.0	+16	~~SW~~ NE	3	bc	50	75	8	1	-	-	2-3	2-3	4000	0	1
Falmouth... ...	1015.9	+14	NNW	3	bc	51	65	8	4	-	-	2-3	2-3	4000	0	0
Plymouth... ...	1015.4	+20	N	3	b	51	65	8	1	4	-	Tr.	Tr.	4000	1	1
Portland Bill ...	1013.6	+14	NW'N	4	bc	53	75	8	2	4	-	2-3	4-6	2500	0	3
Calshot, S'hampton	1013.7	+22	NW	2	bc	50	75	7	7	-	-	2-3	2-3	4000	0	1
Dungeness ...	*	*	W	2	bc	*	*	7	1	-	-	2-3	2-3	2500	*	2
Lympne	1012.8	+16	NNW	2	z	47	85	6	-	4	-	0	1	-	0	*
Guernsey	1014.7	+12	NW	1	bc	53	75	8	5	-	-	4-6	4-6	2500	1	2

PAST 24 HOURS.

STATIONS.	WEATHER. 7h.–13h. 9th (37)	13h.–18h. 9th (38)	18h. 9th to 1h. 10th (39)	1h.–7h. 10th (40)
Lerwick	bephr$_o$q	bephr$_o$	bephr$_o$	bephr$_o$
Stornoway ...	oP	oRr	c	c
Wick	er$_o$r	er$_o$r	er$_o$rc	c
Tiree	bepr	bepr$_o$	bepr	cpr
Nairn	cbc	epror	orr	rc
Aberdeen	bbc	bcepr$_o$	crir$_o$	c
Malin Head ...	cbepr$_o$	bcpr	bcepr$_o$	circ
Renfrew	bc	bcyepr$_c$	cbcepr	cpr$_o$cr$_o$
Inchkeith (Edin.)	bc	c	c	cir$_o$
Leuchars	bcxbcvy	bcvyc	cbc	bcc
Eskdalemuir ...	bxbcy	bcyprc	cpr$_o$c	c
Tynemouth ...	bc	bcm$_o$	bc	bc
Blacksod Point ...	bc	poc	prq	prq
Aldergrove ...	bepr$_o$bcy	bcypo	bcc	cw
Donaghadee ...	pr$_o$bc	bc	bc	bc
Birr Castle ...	bbcy	bc	bcc	cbc
Holyhead... ...	bcpr$_o$q	bc	bc	bcb
Liverpool (Bidston)	pbcvq	bcprv	bcvpr	vbcv
Chester (Sealand)	prbcq	bc	bc	bcw
Harrogate... ...	b	b	b	bbccp$_o$
Spurn Head ...	bc	bc	bc	bc
Birmingham ...	bc	bcc	cprv	b
Cranwell	bm$_o$z$_o$	bz$_o$	bz$_o$m$_o$	bm$_o$w
Gorleston	cbcq	bcm$_o$	bcb	b
Valentia Obs. ...	bbcb	bbc	bccp$_o$	cp$_o$bcc
Roches Point ...	bcv	bcv	bcvbw	bbcw
Pembroke... ...	bc	bc	bcirq	bcq
Ross-on-Wye ...	bbc	bcp$_o$bcv	bvb	bbw
Leafield	bc	bcpo	bw	bw
Cardington ...	bcybc	bcb	b$_o$bbc	bx
Winchester ...	bcbcy	byb	b	bbx bcx
S. Farnborough ...	bc	bcp$_o$by	bm$_o$bv	bvwx
London (Kew) ...	cm$_o$bcy	bybz	b$_o$wbm$_o$x	bm$_o$x
Croydon	cm$_o$bc	bcybz$_o$	bm$_o$w	bm$_o$wx
Manston	cbrc	bcb	b	bm$_o$w
Shoeburyness ...	bc	bcbm$_o$	bm$_o$	bm$_o$x
Clacton-on-Sea ...	bc	bcz	b	bbcz
Felixstowe ...	by	b	b	bw
Scilly (St. Mary's)	bc	bc	bcb	bbc
Falmouth... ...	bc	bc	bcb	bbc
Plymouth... ...	bvcpr$_o$y	cbvy	b	bwm$_o$
Portland Bill ...	bc	bc	b	bbc
Calshot, S'hampton	bbcy	bcybc	bw	bw
Dungeness ...	bc	b		b.bc
Lympne	cd$_o$bbcz$_o$	bcz$_o$bm$_o$	bm$_o$mx	bmwm$_o$x
Guernsey	bc	bc	bc	bcbv

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus,
R, heavy rain. r_o, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, solar halo. ◐, lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

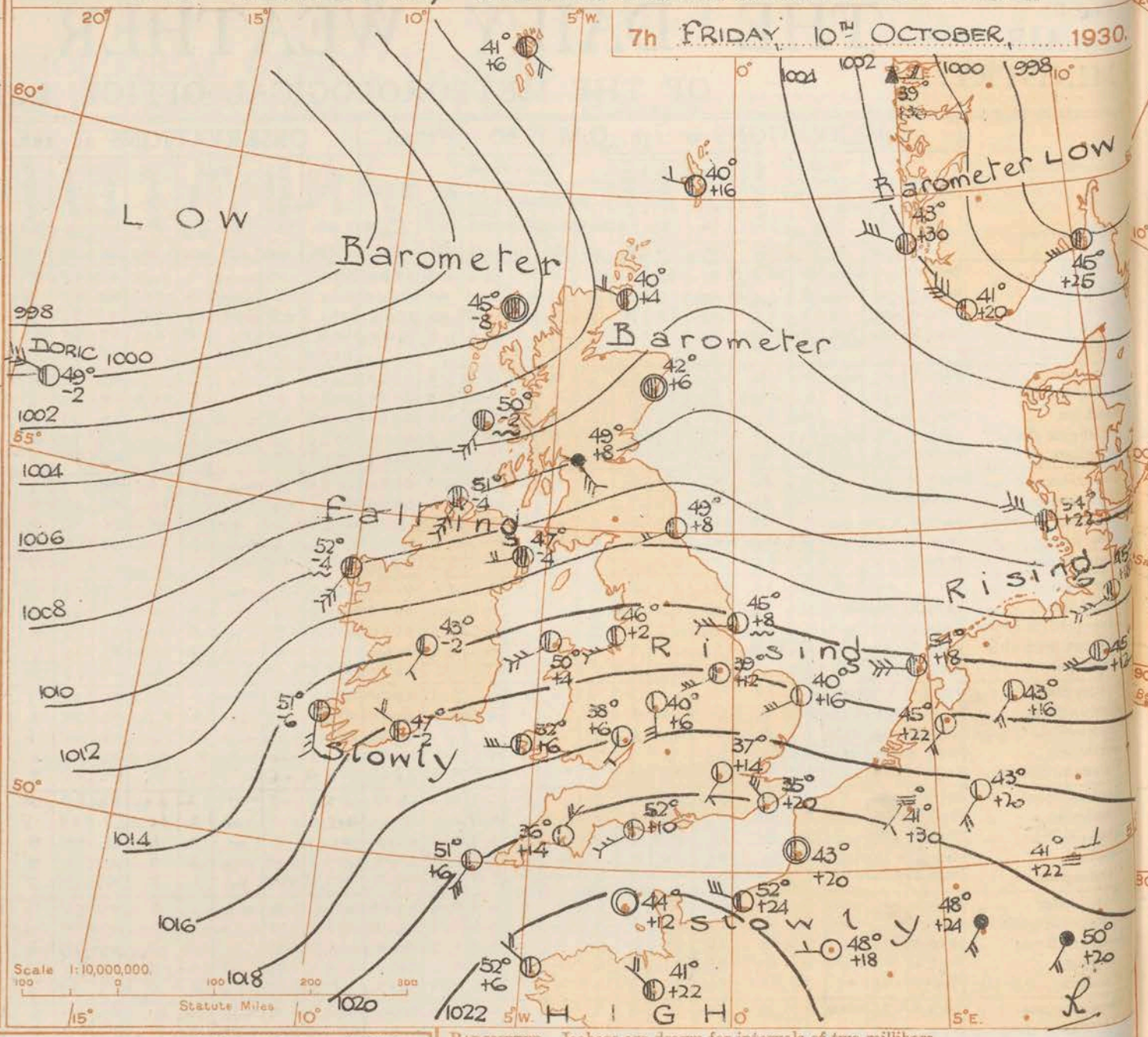
REPORTS from HEALTH RESORTS for 9th October 1930.

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 8th to 9h. 9th	Temperature. Max. 9h.—17h. 9th	Rainfall. Night. 17h. 8th to 9h. 9th	Rainfall. Day. 9h.—17h. 9th	Sunshine. Sunrise to 17h. 9th	Sunshine. Sunrise to Sunset. 8th.
Dunbar ...	b3o	bbc	38	50	Trace	–	8·0	0·0
Berwick-on-T. ...	bc	bc	38	51	5	–	9.2	0.0
Douglas	bc	bc	41	52	0.5	–	9.4	2.0
Llandudno ...	bcrbc	bcb	46	53	6	0.6	7·5	4·9
Colwyn Bay ...	bcrbr	bcb	44	54	8	1	7·3	4·8
Rhyl	bbcb°	bc	47	52	4	Trace	8·2	6·6
Wallasey ...	b°bcb	bcb°b	44	54	0·5	0·3	7·9	6·6
Southport ...	b°bc	b°bc	40	53	0.1	0.2	9.2	4.5
Blackpool ...	bcb	bcc	40	53	–	–	9·4	2·6
Morecambe ...	b	bbbbc	39	52	–	Trace	8·8	1·3
Ilkley	b	bb°b	37	54	Trace	Trace	8·7	3·5
Cleethorpes ...	b	b°	41	54	0·1	–	9·3	6·0
Mablethorpe ...	bcb	bm°	41	53	0·3	–	9·1	5·5
Skegness... ...	ob	b	42	58	–	–	8·7	5·3
Aberystwyth ...	cbrbc	bc	49	52	5	–	9·2	3·6
Bath	bcbbc	bcb	46	58	5	–	8·8	1·2
Cheltenham .†	bcc	bc	43	56	2	–	8·2	2·5
Leamington Spa	bc	bc	44	54	2	–	7·3	3·8
Lowestoft ...	cirbc	b	44	53	1	–	9·4	2·2
Dovercourt ...	d.b	bm	45	56	0.2	–	9·5	1·0
Maldon	b	b	46	56	1	–	9·0	0·6
Southend ...	bbc	bcb	46	59	0·5	–	8·9	2·4
Ilfracombe ...	b	b	51	55	3	–	8·0	0·2
Bude	bc	bc	52	55	–	–	8·8	2·0
St. Ives	b	b	51	57	0·5	–	8·1	1·5
Penzance ...	b	b	49	59	1	–	9·1	0·4
Torquay	bcbnb	beb°b	44	58	1	Trace	8·3	1·7
Jersey	bc bc	bcc	54	60	2	–	8·6	1·3
Weymouth ...	bbcb	cbc	48	62	Trace	Trace	6·4	0·7
Bournemouth ...	b	bc	46	59	–	–	7·8	0·5
Ventnor	b°bcb	bcubc	48	60	Trace	–	6·9	0·1
Southsea ...	b	bbc	49	59	–	–	7·8	1·1
Bognor Regis ...	b	bcbc	49	60	0·5	–	8·0	0·1
Littlehampton ...	bbc	bc	47	59	0·3	–	7·8	0·4
Worthing ...	b	bc	49	60	1	–	7·8	0·6
Brighton... ...	bbc	bcbbc	49	58	1	0·2	7·5	0·0
Eastbourne .†	bcbbcc	cbc	48	59	2	–	8·1	0·4
Hastings †	bccbc	bccb	46	57	5	–	7·0	0·0
Folkestone ...	bbc	bcb	48	58	Trace	–	6·5	0·1
Dover	cbcc	cbm	47	57	Trace	–	6·4	0·2
Deal	b	b	47	57	0·3	–	7·6	0·9
Tunbridge Wells	bcc	bcb	47	56	–	–	6·0	0·5
Ramsgate ...	bbc	bcb	48	57	0·2	–	8·4	1·3
Margate... ...	bcb	bbc	48	55	–	–	8·9	1·8

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h FRIDAY 10TH OCTOBER 1930.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 10th Oct., 1930.
1. S.E. England 2. E. England... 3. E. Midlands	Freshening southwest wind; fair, some increase of cloud; milder.
4. W. Midlands 5. S.W. England 6. South Wales	Freshening southwest or south wind; cloud increasing; probably occasional rain or showers later; milder.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind southwest, fresh or strong at exposed places; mainly cloudy, occasional rain or showers; milder.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland	Wind southwest, fresh or strong at exposed places; cloudy, rain at times; mild.
15. N.E. Scotland	As 7 - 11.
16. Orkneys and Shetlands. 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Freshening southerly wind; cloudy, occasional rain; milder.
	As 12 - 14.

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

GENERAL INFERENCE.

An anticyclone which has developed over the Bay of Biscay will move east-northeast and increase somewhat in intensity. A depression south of Iceland is only moving slowly, but there is a tendency for secondaries to develop further south. Weather will be fair for a time in the Southeast but rather unsettled elsewhere.

FURTHER OUTLOOK.

Unsettled in the West and North; doubtful in the Southeast, but probably becoming gradually less settled.

Forecasts issued at 1025 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2. Fe.2495/2136. We.26. 0.6026. Gp.908. 28210. 10/30.

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

Morning of
FRIDAY,
10th October,
1930.

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

10th October 1930.

No. 25,159

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

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)
Lerwick	54	1002·1	+24	NW	1	bc	39	75	8	7	-	-	2-3	2-3	2500
Stornoway ...	34	1002·8	0	-	0	c	43	95	7	4	6	-	4-6	9	4000
Wick	81	1004·0	+12	WNW	2	c	40	95	8	4	8	6	4-6	7-8	2500
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head ...	51	1007·6	-8	SW'W	5	c/pr.	50	95	7	9	6	-	2-3	9	1500 5700
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	1006·9	+2	WSW	5	c	47	85	8	5	1	-	4-6	10	1500
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir ...	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth ...	67	1009·3	+6	W	3	bc	46	85	6	2	6	-	4-6	4-6	2500
Blacksod Point ...	10	1011·1	-4	W	6	c	52	85	8	?	-	-	7-8	7-8	2500
Aldergrove ...	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee ...	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle ...	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead... ..	26	1013·7	+2	W'S	5	bc	50	75	8	7	-	1	2-3	4-6	4000
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate... ...	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head ...	29	1012·0	+10	W	4	bc	47	75	6	-	2	2	0	4-6	-
Birmingham ...	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	1014·6	+8	WSW	4	b	39	95	6	-	3	5	0	1	-
Gorleston	14	1014·3	+14	WSW	2	b	43	95	6	-	-	-	0	0	-
Valentia Obs.† ...	30	1016·1	-6	SW	2	bc	51	95	8	6	-	-	2-3	2-3	2500
Roches Point ...	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke... ...	150	1016·3	+2	W	4	bc	52	95	8	3	8	-	4-6	4-6	4000
Ross-on-Wye ...	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington ...	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester ...	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew) ...	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1016·8	+14	SW	1	2	39	85	6	-	-	-	0	0	-
Manston	135	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness ...	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea ...	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe ...	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1020·1	+10	NW'W	2	b	48	75	8	-	-	-	0	0	-
Falmouth... ...	200	1019·7	+14	W'N	2	b	47	65	8	-	-	-	0	0	-
Plymouth... ...	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill ...	32	1017·7	+14	NW	3	b	50	85	8	-	-	-	0	0	-
Calshot, S'hampton	8	1017·2	+18	NW'W	2	b	43	75	7	-	-	-	0	0	-
Dungeness ...	20														
Lympne	347	1016·1	+16	NNW	3	m	38	95	4	-	-	-	0	0	-
Guernsey	173	1018·8	+20	NW	1	bc	49	75	8	1	-	-	2-3	2-3	2500

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

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	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)
1004·9	+16	W'N	1	bc	40	75	8	8	8	-	2-3	4-6	1500	0	*
1001·7	-8	-	0	c	45	95	8	5	-	-	10	10	4000	1	1
1004·9	+4	WNW	2	c	40	95	8	8	5	-	4-6	7-8	2500	1	2
1004·9	-2	SW	5	c	50	95	7	8	2	-	4-6	9+	1500	1	4
1004·9	•	-	0	c	43	95	7	3	-	-	7-8	7-8	1500	2	*
1006·8	+6	-	0	c	42	95	6	5	-	9	7-8	9	2500	1	1
1006·6	-4	SW	6	c	51	95	7	5	7	9	4-6	9	800	1	3
1008·4	+8	WSW	4	ir.	49	85	7	5	2	-	9+	10	1500	1	*
1008·1	+12	SW	4	c	49	85	8	5	2	-	4-6	9	5700	0	2
1007·4	+8	WSW	3	c	47	85	8	5	7	2	4-6	9	1500	1 0	*
1010·5	+2	WSW	5	c	45	85	8	5	4	9	4-6	9	1500	1	*
1011·4	+8	WSW	2	bc	49	75	7	8	-	-	4-6	4-6	2500	0	2
1008·9	-4	SW	6	c	52	85	8	3	9	3	Tr	7-8	1500	1	4
1010·8	-2	S'W	5	c	48	85	8	5	3	8	2-3	7-8	4000	1	*
1010·6	-4	W	2	c	47	85	8	5	-	-	7-8	7-8	4000	0	1
1013·8	-2	SW	1	bc	43	95	8	4	-	-	2-3	2-3	4000	0	*
1014·5	+4	SW'W	5	bc	50	85	8	5	-	9	1	2-3	2500	1	2
1014·8	+2	SW'W	4	bc	46	85	9	8	-	4	2-3	2-3	2500	0	*
1015·2	+18	SW	2	bc	46	85	8	5	-	4	2-3	4-6	2500	1	*
1013·6	+10	SSW	3	pr.	46	85	8	6	4	1	7-8	9	2500	1	*
1014·3	+8	W	4	bc	45	85	7	-	1	8	0	4-6	-	0	4
1017·7	+6	S	3	b	40	85	8	-	-	1	0	1	-	1	*
1016·4	+12	SW'W	3	bc	39	95	6	-	3	6	0	2-3	-	1	*
1016·6	+16	W'S	3	b	40	95	6	-	-	1	0	1	-	0	2
1014·4	-6	S	4	c	51	85	8	5	-	-	9	9	2500	1	2
1015·5	-2	NW	2	bc	47	85	8	5	-	-	2-3	2-3	2500	0	2
1017·4	+6	W	3	bc	52	95	8	7	-	-	4-6	4-6	2500	1	*
1018·2	+6	SW	1	b	38	95	7	7	5	-	Tr	Tr	4000	1	*
1018·5	+10	SW'W	3	b	39	85	7	-	-	-	1	1	5700	0	*
1018·0	+10	SW'W	3	b	36	95	7	-	-	-	0	0	-	1	*
1019·9	+12	-	0	bc	30	95	7	4	-	-	4-6	4-6	5700	0	*
1019·4	+16	WSW	1	b	32	95	8	5	-	-	1	1	4000	1	*
1019·6	+14	SW'S	1	b	37	95	5	5	-	-	Tr	Tr	4000	1	*
1019·6	+14	WSW	2	b	37	95	7	-	-	-	0	0	-	1	*
1018·8	+18	S'W	3	b	39	95	5	-	-	-	0	0	-	0	*
1019·1	+14	SW'W	2	b	42	95	6	-	-	-	0	0	-	0	*
1018·1	+20	W	3	bc	40	95	6	4	-	-	2-3	2-3	450	0	1
1018·4	+14	W	3	b	41	85	7	-	-	-	0	0	-	1	2
1020·6	+6	SW	3	bc	51	75	8	8	4	-	4-6	4-6	4000	0	2
1021·0	+10	WSW	2	bc	47	75	8	5	-	-	2-3	2-3	4000	0	0
1020·9	+14	NE	2	b	36	95	8	1	-	-	1	1	4000	1	1
1019·4	+10	WSW	4	bc	52	85	9	8	6	-	4-6	4-6	2500	0	3
1019·6	+12	W'N	2	bc	40	85	7	5	-	-	4-6	4-6	4000	0	0
*	*	WNW	1	2	*	*	5	1	-	*	1	1	4000	*	0
1019·4	+20	NW'N	3	b	35	95	6	-	-	-	0	0	-	5	*
1022·4	+12	-	0	b	44	85	9	-	-	-	0	0	-	0	0

PAST 24 HOURS.

Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)
44	39	*	1	Tr
49	41	*	8	3
44	33	*	8	1
52	48	42	Tr.	6
47	43	*	0.4	7
50	40	35	0.2	3
52	48	*	1	3
53	44	37	0.2	1
51	46	45	-	Tr
52	43	40	-	-
50	41	39	Tr.	0.4
53	45	39	-	-
54	49	*	4	3
53	43	37	0.1	Tr
55	40	30	-	-
53	50	46	0.1	-
51	45	40	0.3	1
53	41	31	0.1	-
52	41	36	-	Tr
53	43	*	-	-
53	38	35	-	0.2
52	38	35	-	-
55	39	36	-	-
54	46	37	-	0.1
56	45	*	-	Tr
53	48	*	-	Tr
56	38	30	Tr.	-
54	37	31	Tr	-
55	34	31	-	-
58	29	24	-	Tr
58	32	22	Tr.	-
56	38	26	-	Tr
57	36	31	-	Tr
57	37	29	-	Tr
58	38	26	-	-
55	39	35	-	-
55	40	35	-	-
57	47	*	-	-
56	46	*	-	-
57	36	33	Tr.	-
58	49	*	-	-
57	38	30	-	-
59	33	*	0.3	Tr
55	34	27	Tr.	Tr
58	43	35	-	-

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
KEW	18	cm,bcy	bybz	bfxbmx	56	31	26	-	Tr	7·7	•	•	6
CROYDON	244	cm,bc	bcybc2b	bw,wx	57	36	31	-	Tr	6·9	•	•	6
GREENWICH (Royal Observatory) ...	149	cy	cby	bfxb	58	36	25	-	Tr	5·3	52	69	5
CITY (Bunhill Row)	—	•	•	•	•	•	•	•	•	6.2	•	•	•
WESTMINSTER (St. James' Park) ...	27	•	•	•	59	37	32	-	-	6·8	47	70	•
REGENTS PK. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	•	6.4	•	•	•
CAMDEN SQUARE	110	c	cbcb	•	57	39	*	-	-	•	At 18h.	84	•
KENSINGTON PALACE	80	bcpc	cbc	•	58	31	29	-	-	•	68	76	•
HAMPSTEAD OBSERVATORY	450	bc	bcm	•	56	34	25	Tr	0·1	7·2	•	76	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

SOUTH KENSINGTON.

Max.	Time.	Min.	Time.
Defective		Record	

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
0·6	20h 9d	0·1	13h 9d

FOREIGN OBSERVATIONS.

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

7h. G.M.T. 10th October

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	1014·7	WNW	2	c	55	1020·9	W	1	b	48
BRUSSELS	1013·2	W	2	c/pr	48	1019·4	SW	1	b	41
BERLIN	1004·8	WSW	3	c	50	1014·1	W	3	b	46
ZÜRICH	1017·6	SW	1	r. r.	50	1021·5	SW	2	rr	46
ROME	1021·5	S	3	bc	64	1018·9	ESE	2	o	66

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
61	46	-	-
57	37	3	-
57	43	1	-
68	45		21
73	52	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at

0	Dense fog	55	yards.
1	Thick fog	220	,,
2	Fog	550	,,
3	Moderate fog	1,100	,,
4	Mist or haze	1¼	miles.
5	Poor visibility	2⅛	,,
6	Moderate ,,	6½	,,
7	Good ,,	12½	,,
8	Very good ,,	31	,,
9	Excellent ,,	beyond 31m.	

COLUMN 30.—Code for State of Sea.

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

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

11th October 1930.

No. 25.160

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

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)
Lerwick	1006.2	+6	SSE	2	c	48	55	8	5	7	-	2-3	7-8	1500
Stornoway ...	999.8	-12	SSW	4	ir_o	51	95	7	5	2	-	7-8	10	4000
Wick	1003.7	-10	SSE	4	ir_o	49	95	8	6	-	-	10	10	1500
Tiree	1003.8	-12	SSW	6	rr	52	95	6	6	-	-	10	10	800
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1006.2	-6	SSW	3	c	53	75	7	7	2	-	2-3	10	2500
Malin Head ...	1004.8	-10	SSW	5	ir_o	53	95	7	6	1	-	4-6	9+	800
Renfrew	1007.6	-6	SW	4	c	53	75	7	8	1	-	9	9+	2500
Inchkeith (Edin.)	1007.6	-4	SW	4	c	54	75	8	7	3	-	7-8	9	4000
Leuchars	1007.6	-4	WSW	4	c	58	75	7	1	7	8	2-3	9+	1500
Eskdalemuir ...	1009.9	-4	SW's	6	c	50	75	8	5	-	-	9+	9+	2500
Tynemouth ...	1011.0	+4	WSW	3	bc	56	65	7	8	-	-	4-6	4-6	2500
Blacksod Point ...	1006.6	-8	SW	6	c	56	75	8	4	-	-	9+	9+	220
Aldergrove ...	1009.6	-10	S'W	5	c/r	52	75	8	5	7	8	9+	9+	2500
Donaghadee ...	1010.1	-4	W	3	c	55	65	8	5	2	-	7-8	9	4000
Birr Castle ...	1012.6	-2	SW	3	c	54	75	8	5	-	-	9+	9+	2500
Holyhead... ...	1014.0	-10	SW's	6	q	56	75	8	7	-	1	4-6	4-6	2500
Liverpool (Bidston)	1015.2	0	WSW	5	pr	52	65	9	8	-	-	7-8	7-8	4000
Chester (Sealand)	1015.6	-4	SW'w	4	c	58	65	8	7	-	-	7-8	7-8	4000
Harrogate... ...	1013.6	0	SW	5	b	54	55	8	1	-	-	1	1	4000
Spurn Head ...	1015.0	0	W	4	bc	55	65	6	2	2	-	2-3	4-6	4000
Birmingham ...	1017.8	-2	SSE	4	bc	53	55	8	4	-	-	4-6	4-6	4000
Cranwell	1016.9	0	SW'w	4	bc	54	65	6	2	-	-	2-3	2-3	4000
Gorleston	1017.9	-2	W	3+	bc	57	75	7	1	-	-	4-6	4-6	4000
Valentia Obs. ...	1012.5	-14	S'W	4	c	56	75	8	5	-	1	4-6	7-8	1500
Roches Point ...	1014.9	-10	SW	3	(c)	55	85	8	3	-	-	7-8	7-8	1500
Pembroke... ...	1016.8	-4	SW	4	q	55	95	8	7	-	-	4-6	4-6	4000
Ross-on-Wye ...	1018.1	+4	SW'w	3	c/pr	53	75	8	9	-	-	7-8	7-8	4000
Leafield	1019.1	+6	SW	2	bc	(49)	75	9	7	-	-	4-6	4-6	2500
Cardington ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Winchester ...	1020.0	-6	WSW	3	bc	57	55	8	1	-	-	4-6	4-6	4000
S. Farnborough ...	1019.6	-6	WSW	3	c	56	65	8	5	-	-	7-8	7-8	4000
London (Kew) ...	1020.1	-6	WSW	3	bc	55	55	8	7	3	-	4-6	4-6	4000
Croydon	1020.1	0	W	3	c	55	55	7	8	-	-	9	9	2500
Manston	1019.9	-6	WSW	3	bc	58	55	8	1	-	-	4-6	4-6	2500
Shoeburyness ...	1020.2	-6	WSW	3	b	56	65	8	1	6	-	1	1	5700
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe ...	1019.5	+2	W's	4	bc	56	55	7	1	-	-	2-3	2-3	4000
Scilly (St. Mary's)	1019.5	-14	WSW	4	c	57	65	8	8	7	4	2-3	7-8	4000
Falmouth... ...	1019.8	-10	SW	6	c	54	75	8	4	-	-	7-8	7-8	4000
Plymouth	1019.5	-12	SW	4	c	56	65	8	2	-	6	4-6	7-8	2500
Portland Bill ...	1019.9	-6	WSW	4	bc	56	85	8	8	-	-	4-6	4-6	2500
Calshot, S'hampton	1020.5	-2	WSW	4	bc	56	55	8	7	-	-	4-6	4-6	4000
Dungeness ...	*	*	WSW	4	bc	*	*	7	2	-	*	2-3	2-3	4000
Lympne	1020.2	-6	SW	4	bc	56	55	8	8	-	-	4-6	4-6	2500
Guernsey	1021.7	-6	SSW	1	c	57	55	9	1	2	6	2-3	7-8	2500

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

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)
Lerwick	1003.9	-20	SE	3	ir_o	45	65	7	6	-	-	10	10	1500	1	3
Stornoway ...	997.7	+6	WSW	4	bc	48	95	7	5	-	-	4-6	4-6	4000	1	3
Wick	998.7	-26	SSW	5	rr_o	51	95	8	6	2	8	4-6	10	1500	1	3
Tiree	1001.9	+10	SW	5	bc	51	85	8	8	2	-	2-3	2-3	1500	1	3
Nairn	1000.0	*	W	1	c/pr	49	98	7	3	-	-	7-8	7-8	1500	1	*
Aberdeen	1004.0	-14	SW	3	c/r	51	85	7	5	1	-	9	9+	1500	1	1
Malin Head ...	1003.4	-2	SW'w	4	c/r	51	95	7	6	3	-	4-6	7-8	800	1	3
Renfrew	1006.0	-14	SW	4	c	52	85	7	5	2	-	9+	10	2500	1	*
Inchkeith (Edin.)	1006.0	-12	SW	5	c	52	85	8	5	2	-	2-3	9+	5700	1	3
Leuchars	1005.9	-10	SW	4	c	51	75	7	9	7	-	9	9+	1500	1	*
Eskdalemuir ...	1008.1	-8	SW	6	rr	48	85	6	6	-	-	10	10	800	1	*
Tynemouth ...	1011.5	-4	SSW	2	bc	52	85	6	2	-	-	4-6	4-6	2500	0	2
Blacksod Point ...	1005.7	0	W	5	c	51	95	7	3	8	-	4-6	7-8	1500	1	3
Aldergrove ...	1007.1	-16	S'W	4	c	52	75	8	5	2	-	7-8	10	1500	1	*
Donaghadee ...	1007.6	-14	SW	2	c	53	75	7	5	-	-	9	9	2500	0	1
Birr Castle ...	1009.6	-12	SSW	3	c	50	95	8	6	3	-	2-3	9+	2500	1	*
Holyhead... ...	1011.5	-18	SW'S	6	c	54	85	8	5	3	1	2-3	9	1500	0	3
Liverpool (Bidston)	1013.0	-8	SSW	2	bc	50	75	8	5	-	8	2-3	2-3	4000	0	*
Chester (Sealand)	1014.2	-10	SW's	4	bc	52	65	7	5	-	1	4-6	4-6	4000	0	*
Harrogate... ...	1013.3	-6	SSW	3	b	48	75	6	5	-	-	1	1	4000	1	*
Spurn Head ...	1014.3	0	SW	3	bc	50	85	6	-	2	9	0	4-6	-	0	4
Birmingham ...	1016.4	-4	SSE	2	bc	42	75	8	5	-	5	2-3	4-6	4000	1	*
Cranwell	1015.6	-2	S'W	3	bc	47	85	7	1	-	-	2-3	2-3	4000	0	*
Gorleston	1016.5	-6	SW	2	bc	51	75	6	-	7	-	0	4-6	-	0	2
Valentia Obs. ...	1010.2	-14	S'E	4	c	53	85	8	5	-	1	7-8	7-8	1500	1	3
Roches Point ...	1012.5	-14	SW	3	c	53	85	8	3	5	-	4-6	7-8	1500	0	3
Pembroke... ...	1014.4	-4	SW	4	q	54	95	8	8	7	-	2-3	4-6	4000	0	3
Ross-on-Wye ...	1016.2	-10	SSW	2	c	49	85	7	5	-	1	7-8	7-8	4000	1	*
Leafield	1017.4	-6	S'W	2	c	46	85	8	5	-	3	7-8	7-8	5700	0	*
Cardington ...	1017.2	-4	SW'S	3	c	48	75	7	5	3	8	4-6	7-8	4000	0	*
Winchester ...	1018.6	-2	SSW	1	c	47	85	7	1	-	6	1	7-8	4000	0	*
S. Farnborough ...	1018.2	-6	SSW	2	c	48	75	7	-	7	8	0	7-8	-	1	*
London (Kew) ...	1018.5	-2	SSW	2	bc	50	75	5	-	7	2	0	4-6	-	1	*
Croydon	1018.5	-2	SSW	3	2	49	75	6	-	7	5	0	4-6	-	1	*
Manston	1019.3	0	SE	2	c	49	85	7	-	3	-	0	7-8	-	0	*
Shoeburyness ...	1019.0	0	SW'w	2	bc	50	85	8	5	1	8	1	4-6	5700	0	*
Clacton-on-Sea ...	1018.6	-6	SW	4	bc	54	75	7	5	-	8	4-6	4-6	800	0	2
Felixstowe ...	1018.6	0	SW's	2	bc	53	75	7	5	-	1	4-6	4-6	4000	0	1
Scilly (St. Mary's)	1017.0	-10	SW	4	c	52	85	8	2	6	1	4-6	7-8	4000	0	3
Falmouth... ...	1017.4	-10	SW's	4	c	53	75	8	3	3	-	4-6	7-8	4000	0	3
Plymouth	1017.4	-12	SW	5	cjp	54	65	8	9	-	7	7-8	9+	2500	1	2
Portland Bill ...	1018.9	-16	SW	3	c	55	85	8	4	2	-	4-6	7-8	2500	0	3
Calshot, S'hampton	1018.6	-14	SW'w	3	c	52	65	8	7	5	6	2-3	3	4000	0	1
Dungeness ...	*	*	WSW	4	bc	*	*	7	2	1	*	2-3	4-6	4000	*	*
Lympne	1019.2	+2	SW	3	2	48	85	6	2	-	8	1	4-6	4000	0	*
Guernsey	1017.7	-12	-	0	c	51	85	6	5	2	-	4-6	10	2500	0	2

PAST 24 HOURS.

WEATHER. 7h.—13h. (37)	13h.—18h. (38)	18h. 10th to 1h. 11th (39)	1h.—7h. 11th (40)
becy	$coir_o$	$orrc$	cbc
oir	bcpr	bcp	bcpr
$cor_o r$	$ocr_o r$	cbc	bc
corr	cpr	bccpr	$cp_o rcpr$
cd_o	cpr_o	cpr	cbc
bcc	$crcir_o$	cbc	bc
cir_o	$cir_o crR$	cbcc	$cr_o bc$
$cf_o cpr_o c$	crreq	$1r_o r_o q$	$cr_o dm$
c	cpr	cpr	$orr_o cir_o$
c	$spr_o c$	cbcw	bcwcpbrc
c	$crrcr$	crrc	crr
bcq	bcq	becq	c.
c	prq	brq	pc
ccr_o	$cr_o c$	ccrk	$crrir_o$
bcc	c	c	$cp_o rc$
bbc	cir	c	$cr_o c$
bbc	bc	cq w	pr
bvybcvpq	$pr_o bc$	bcc	ccbc
bcv	bcyb	bc	bc
crb	b	bbc	bbc
bc	bc	bcw	bcc
bbc	bc	bc	bc
$bm_o bc$	$bcz_o b$	b, c	cbcw
bbc	bc	$bcem_o$	c
$cp_o cpc$	ccpc	cprirc	$cpcbc$
$bcp_o c$	$cp_o c$	cbcc	ccir
bcP_o	bcq	bccbc	$ciRq$
bbbccp,	cbcc	ccbc	$bw m_o$
bc	bcc	cbcw	bcc
.	bbcc	cbc	bcwcm,
bxbcmbcy	c	c	c
$bxc pr_o c$	bc	$cc m_o w$	$cm_o w$
$cm_o wbc$	bcy	$bcz_o cm_o$	$cm_o w$
bxcpcy	cbccybz,	cm_o	cm_o
$bm_o bcy$	bcybcc	c	cw
$bm_o b$	bbc	bc	c
bcz	bczbc	c	c
bwbcy	bybc	c	c
bcp_o	cbcc	cbcp,	bc
bbc	$cr_o q$	bc	bc
$bm_o c$	bcvpr,	$cp_o bc$	bccpr,
bc	bcc	c	c
bcbcy	bcybcc	$cid_o cv$	c
bc	bc	*	o
$bm_o bcy$	bcm_o	$cm_o c$	c
bbcc	co	o	opro

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

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

Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus,

R, heavy rain. r_o, slight rain. rr, continuous rain.

<, less than (for cloud height).

⊕, solar halo. ☾, lunar halo.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29.—STATE OF GROUND.

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

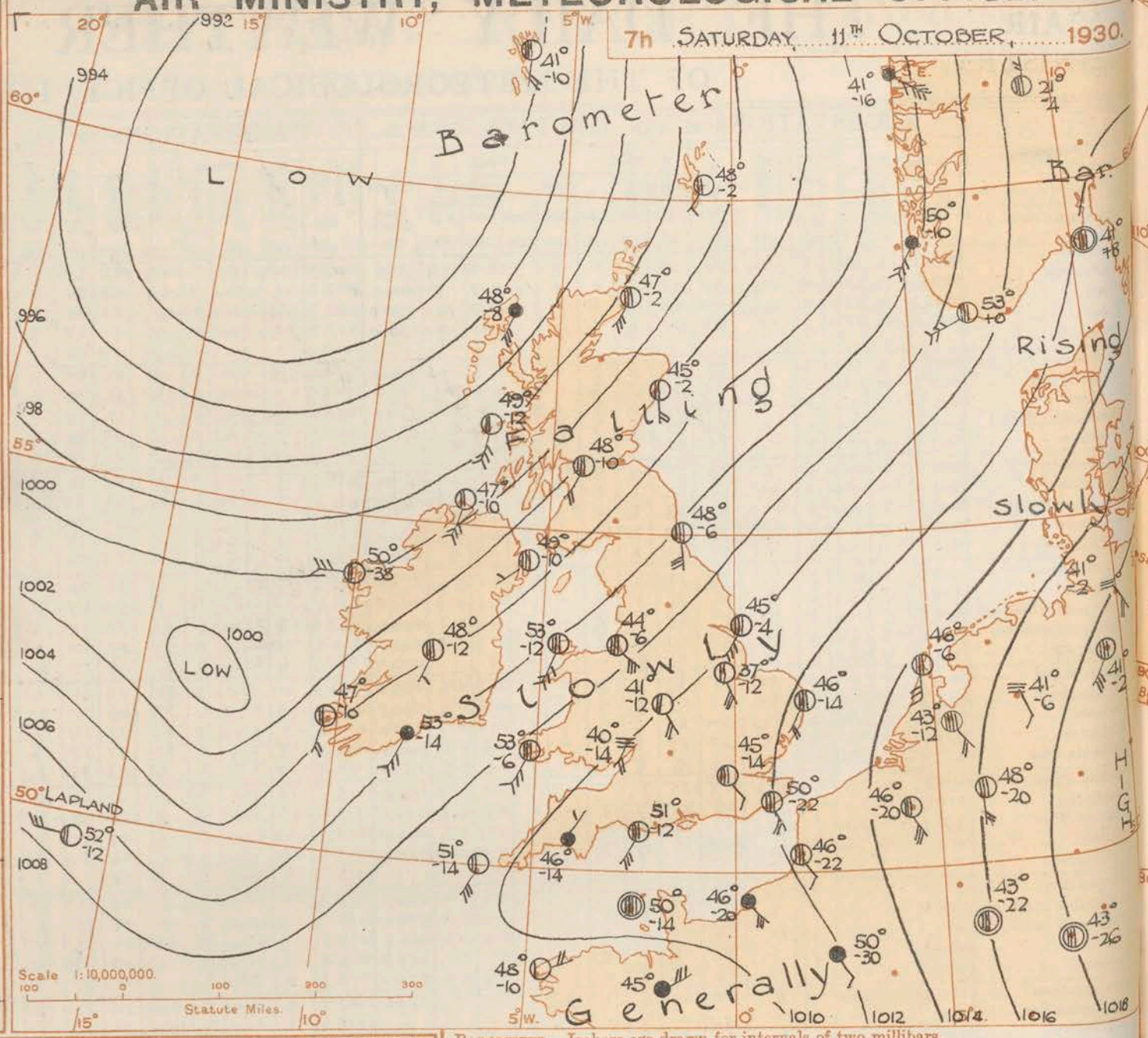
REPORTS from HEALTH RESORTS for 10th October 1930.

STATIONS.	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. 9h. 9M. to 9h. 10M.	TEMPERATURE. Max. 9h.—17h. 10M.	RAINFALL. Night. 17h. 9M. to 9h. 10M.	RAINFALL. Day. 9h.—17h. 10M.	SUNSHINE. Sunrise to 17h. 10M.	SUNSHINE. Sunrise to Sunset. 9M.
Dunbar ...	bc	bcp.c	44	56	-	Trace	0.9	8.0
Berwick-on-T. ...	c	c	44	54	-	-	1.4	9.2
Douglas	bc	bccbq	45	55	-	-	6.1	9.4
Llandudno ...	bbc	bc	48	56	-	-	8.1	7.5
Colwyn Bay ...	bcb	bcb	44	58	-	-	7.7	7.3
Rhyl	bbc	bcb	43	58	-	-	8.8	8.2
Wallasey ...	bbc	p.cb	44	58	0.5	Trace	8.1	7.9
Southport ...	bbc	bccb	48	57	0.4	-	7.0	9.2
Blackpool ...	bc	bcc	49	57	0.3	-	7.8	9.4
Morecambe ...	cb bc	bbcc	47	56	-	-	7.8	8.8
Ilkley	cp.bc	b	42	56	Trace	Trace	5.6	8.7
Cleethorpes ...	c.b	b	38	58	-	-	9.0	9.3
Mablethorpe ...	bcmwv	bbcb	38	57	-	-	9.3	9.1
Skegness... ...	b	b	36	57	-	-	8.7	8.7
Aberystwyth ...	cpr	cprbc	46	56	2	0.3	8.0	9.3
Bath	bbc	bcc	33	58	Trace	-	3.8	8.8
Cheltenham ...†	bzwbc	cpqc	35	55	-	Trace	6.4	8.5
Leamington Spa	b	bbc	36	57	-	-	7.6	7.3
Lowestoft ...	b	b	37	57	-	-	9.8	9.4
Dovercourt ...	b	bcm	38	57	-	-	9.3	9.5
Maldon	b	bbc	35	57	-	-	7.4	9.0
Southend ...	b	bbc	39	62	-	-	8.7	8.9
Ilfracombe ...	bc pc	bc	49	57	6	0.5	3.2	8.0
Bude	pc bc	bccbc	47	58	0.6	-	3.5	8.8
St. Ives	c	c	44	56	-	-	4.8	8.1
Penzance ...	bbc	b	41	58	Trace	-	5.3	9.1
Torquay	wbbcc	cm	38	58	-	-	7.3	8.5
Jersey	bc	bcc	51	59	-	-	7.2	8.6
Weymouth ...	b	bbc	38	60	-	-	6.9	6.4
Bournemouth ...	mb	bbco	38	58	-	-	6.8	7.8
Ventnor	bbcub	bcu	42	57	-	-	6.3	6.9
Southsea ...	b	bbc	38	58	-	-	6.0	7.8
Bognor Regis ...	b	bbcb	39	59	-	-	7.8	8.0
Littlehampton ...	bc	bc	35	58	-	-	8.0	7.8
Worthing ...	bc	bc	38	59	-	-	8.1	7.8
Brighton... ...	bbc	bc	40	58	-	-	8.2	7.5
Eastbourne ...†	b	bbcc	40	57	-	-	7.5	8.1
Hastings †	b	bbcc	39	59	-	-	7.9	7.0
Folkestone ...	wb	bccbc	41	59	-	-	7.6	6.5
Dover	b	bbc	38	54	-	-	7.8	6.4
Deal	b	b	39	58	-	-	8.0	7.6
Tunbridge Wells	bc	bc	34	57	-	-	6.5	6.0
Ramsgate ...	b	bbc	41	58	-	-	7.8	8.4
Margate... ...	bcc	bc	40	58	-	-	8.3	8.9

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h SATURDAY, 11TH OCTOBER, 1930.



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

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 11th Oct. 1930.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Wind variable, mainly light or moderate; cloudy or variable sky, occasional local rain; 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 11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands. 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind southwest, moderate or fresh; mainly cloudy, occasional rain; mild.

GENERAL INFERENCE.

A depression off our northwest coasts is slowly spreading over the country and another disturbance over Western France is moving northeast. Weather will be rather unsettled generally

FURTHER OUTLOOK.

Unsettled.

Forecasts issued at 0920 G.M.T.

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

H.M. Stationery Office Press, Kingsway W.C.2.
Pz.2495/2138. Wt.28. D.6026. Gp.908 28210. 10/30.

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

Morning of
Saturday,
11th October,
1930.

LOW
HIGH
LOW
HIGH
LOW
HIGH
LOW

Clarke's Projection Scale 1 : 4×10^7 along meridian at 55°N.
Statute Miles. 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

11th October 1930.

No. 25.160

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

Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
Lerwick	54	998.6	-10	SSW	2	c	49	85	8	5	1	-	4-6	7-8	1500
Stornoway	34	997.0	-2	SW	4	bc	48	96	7	8	-	-	4-6	4-6	4000
Wick	81	999.7	0	SSW	3	c	45	95	8	5	4	8	2-3	7-8	4000
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	51	1002.0	-8	SW	4	ir.	49	95	7	6	1	-	7-8	9+	1500
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	1005.0	-4	SW	3	ir.	51	95	8	5	-	-	10	10	800
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	67	1008.6	-4	SW	3	c	49	85	7	6	-	-	7-8	7-8	1500
Blacksod Point	10	1003.8	-8	W	4	c	50	75	7	3	-	-	9	9	220
Aldergrove	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1009.3	-14	SW'W	5	c	53	85	8	8	-	8	7-8	7-8	2500
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	29	1012.8	-4	SW	3	bc	45	95	7	-	1	1	0	2-3	-
Birmingham	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	1013.8	-10	SSW	3	c	45	95	7	5	3	-	4-6	7-8	4000
Gorleston	14	1016.9	-10	SW'S	2	c	46	95	6	-	-	8	0	7-8	-
Valentia Obs.†	30	1007.5	-10	SW	2	r.c.	51	95	6	6	-	-	10	10	1500
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke	150	1011.0	-14	SW	4	bc	53	95	8	4	4	-	4-6	4-6	4000
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew)	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1015.9	-18	S	3	m.	45	85	6	-	7	-	0	7-8	-
Manston	135	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1012.9	-16	SW	3	bc	49	85	8	8	-	-	2-3	2-3	4000
Falmouth	200	1014.4	-14	SW	2	bc	60	75	7	2	6	-	2-3	4-6	~~2500~~ HD
Plymouth	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	32	1013.8	-14	SSW	3	c	55	85	8	8	1	-	7-8	7-8	1600
Calshot, S'hampton	8	1015.3	-18	S	3	c	63	75	7	5	7	-	4-6	10	2500
Dungeness	20	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	347	1016.3	-18	S	2	c	48	75	7	2	5	8	1	9+	2500
Guernsey	173	1015.0	-16	-	0	0	60	95	8	5	-	-	10	10	2500

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

Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
Lerwick	998.7	-2	SW	1	bc	48	85	8	8	-	-	2-3	2-3	1500	1	•
Stornoway	995.6	-8	SSW	3	pr	48	95	7	8	-	-	7-8	7-8	4000	1	2
Wick	999.1	-2	SW	3	c	47	95	8	4	7	1	2-3	7-8	2500	1	3
Tiree	997.8	-12	S	5	bc	49	85	8	5	6	-	4-6	4-6	2500	1	3
Nairn	998.6	•	W	1	bc	44	85	8	2	-	1	4-6	4-6	4000	0	•
Aberdeen	1002.0	-2	S	2	bc	45	95	8	8	-	9	1	2-3	2500	1	0
Malin Head	999.3	-10	SSW	5	bc	47	95	7	5	-	-	2-3	2-3	1500	0	2
Renfrew	1002.5	-10	SW	2	c/r	48	95	7	5	-	-	9+	9+	4000	1	•
Inchkeith (Edin.)	1002.7	-10	SSW	3	ir.	50	95	7	5	-	-	10	10	800	1	1
Leuchars	1003.0	-6	SSW	3	c	49	85	7	5	7	8	7-8	9+	4000	1	•
Eskdalemuir	1003.5	-14	SSW	4	rr	48	95	6	6	-	-	10	10	800	1	•
Tynemouth	1006.1	-6	S	3	c	48	85	7	8	-	-	7-8	7-8	2500	0	2
Blacksod Point	1000.3	-38	W	4	bc	50	75	8	4	-	3	4-6	4-6	1500	1	3
Aldergrove	1002.9	-8	S'E	2	c/r	46	95	7	6	-	-	7-8	7-8	800	1	•
Donaghadee	1002.6	-10	WSW	1	c	49	95	8	5	-	-	9	9	2500	1	1
Birr Castle	1003.9	-12	SSW	1	c	48	95	8	5	-	-	7-8	7-8	4000	1	•
Holyhead	1006.2	-12	SW'S	5	c/p	53	95	8	8	-	1	9	9+	1500	1	2
Liverpool (Bidston)	1007.5	-6	SE'E	3	c	44	85	8	5	-	-	7-8	7-8	1500	0	•
Chester (Sealand)	1009.0	-16	SE'S	3	c	42	95	7	5	3	1	2-3	7-8	4000	0	•
Harrogate	1008.2	-10	SSW	3	c	45	85	7	5	-	9	2-3	7-8	4000	1	•
Spurn Head	1009.8	-4	SW	4	c	45	95	7	4	-	2	4-6	7-8	4000	0	3
Birmingham	1010.4	-12	SE	2	bc	41	95	8	-	3	4	0	4-6	-	1	•
Cranwell	1010.9	-12	S'E	3	bc	37	95	6	-	3	4	0	2-3	-	0	•
Gorleston	1012.3	-14	SW'S	2	c	46	85	6	7	-	-	9	9	4000	0	2
Valentia Obs.†	1003.8	-10	S'W	2	bc	47	85	8	8	-	-	4-6	4-6	2500	1	3
Roches Point	1005.0	-14	SW	4	ir	53	95	7	6	-	-	7-8	7-8	1500	1	4
Pembroke	1007.3	-6	SW	4	c/pr	53	95	8	8	7	-	4-6	9	1500	1	3
Ross-on-Wye	1010.2	-14	SSW	2	lf	40	95	6	5	-	4	Tr	2-3	4000	1	•
Leafield	1011.0	-14	SSE	2	bc ir.	41	95	8	-	3	-	0	4-6	-	1	•
Cardington	1011.4	-14	S'E	2	c	41	95	6	5	6	-	7-8	7-8	2500	1	•
Winchester	1010.7	-18	-	0	c	45	95	7	5	7	-	7-8	9+	2500	1	•
S. Farnborough	1011.0	-18	SE	1	c	45	95	6	5	1	-	9	10	2500	1	•
London (Kew)	1011.4	-14	ESE	1	c	45	85	5	-	7	8	0	9+	-	1	•
Croydon	1011.7	-22	SSE	3	c	47	75	7	-	2	-	0	9+	-	1	•
Manston	1012.3	-14	SSE	2	c	48	85	7	-	7	-	0	9+	-	0	•
Shoeburyness	1012.4	-14	S	1	c	47	95	7	4	7	-	Tr	7-8	5700	0	•
Clacton-on-Sea	1012.7	-20	S	4	c	53	75	7	5	-	-	7-8	7-8	2500	0	3
Felixstowe	1012.7	-20	SSW	2	c	52	75	8	7	3	1	4-6	9	4000	0	2
Scilly (St. Mary's)	1009.5	-14	SW	3	bc	51	85	8	8	6	-	2-3	4-6	4000	0	2
Falmouth	1010.7	-14	SW	1	bc	48	75	8	2	-	1	2-3	4-6	4000	0	0
Plymouth	1010.4	-14	NE	1	pr.	46	95	8	3	-	-	9	9	2500	1	1
Portland Bill	1009.9	-12	SSW	3	c	51	95	8	84	48	9	4-6	7-8	2500	0	3
Calshot, S'hampton	1010.7	-22	S'E	2	c	53	75	7	2	7	1	4-6	9	2500	0	1
Dungeness	•	•	SSE	2	c	•	•	6	4	1	•	7-8	7-8	4000	•	1
Lympne	1011.6	-22	SE'S	2	c	50	85	8	5	7	-	4-6	10	4000	1	1
Guernsey	1010.5	-14	-	0	0	50	95	9	5	-	-	10	10	2500	1	1

PAST 24 HOURS.

Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 10th Hrs. (36)
Lerwick	51	44	•	Tr.	6	4·3
Stornoway	52	46	•	6	1	0·0
Wick	51	44	•	2	Tr.	•
Tiree	55	47	42	3	0·3	0·2
Nairn	51	42	•	0·4	0·6	0·0
Aberdeen	53	44	36	0·2	-	0·6
Malin Head	54	45	•	7	0·2	0·1
Renfrew	54	47	45	2	3	0·7
Inchkeith (Edin.)	54	48	45	0·1	1	2·8
Leuchars	55	44	35	0·1	0·2	0·8
Eskdalemuir	51	47	46	2	12	1·2
Tynemouth	57	47	42	-	-	•
Blacksod Point	57	48	•	4·7	0·3	•
Aldergrove	53	46	42	Tr.	3	1·7
Donaghadee	58	48	•	-	0·5	•
Birr Castle	57	47	45	0·3	0·4	2·7
Holyhead	57	51	49	-	1	8·2
Liverpool (Bidston)	55	44	42	Tr.	-	8·6
Chester (Sealand)	58	42	38	-	-	7·9
Harrogate	55	45	42	0·1	-	5·9
Spurn Head	56	44	•	-	Tr.	7·9
Birmingham	55	40	35	-	-	8·6
Cranwell	56	37	34	-	-	9·1
Gorleston	57	44	40	-	-	9·9
Valentia Obs.†	57	47	39	2	6	1·6
Roches Point	57	50	•	0·1	3	•
Pembroke	56	50	•	0·1	2	7·5
Ross-on-Wye	55	36	28	0·1	-	4·8
Leafield	54	39	33	-	Tr	6·8
Cardington	58	38	33	-	-	8·3
Winchester	58	41	36	-	-	5·0
S. Farnborough	59	41	34	Tr	-	5·3
London (Kew)	56	43	37	Tr.	-	4·3
Croydon	54	46	41	-	-	5·3
Manston	58	38	33	-	-	4·3
Shoeburyness	58	42	38	-	-	8·8
Clacton-on-Sea	57	50	46	-	-	9·2
Felixstowe	57	48	44	-	-	9·4
Scilly (St. Mary's)	58	48	•	Tr.	0·2	6·3
Falmouth	55	47	•	Tr.	-	5·8
Plymouth	57	45	41	Tr.	0·3	6·2
Portland Bill	57	48	•	-	-	•
Calshot, S'hampton	59	51	46	-	Tr.	6·1
Dungeness	54	52	•	Tr.	Tr	•
Lympne	56	46	39	-	-	7·4
Guernsey	58	50	47	-	1	6·8

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
Kew	18	cm.wbc	bcy	bcz.cm.c	56	43	37	Tr.	-	4·3	•	•	3
Croydon	244	bc.p.y	cbccybcz	cm.cm.	57	43	41	Tr.	-	6·4	•	•	6
Greenwich (Royal Observatory)	149	c	cyb	b.w.c	59	42	34	-	TR	5·9	59	80	5
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	4·3	•	•	•
Westminster (St. James' Park)	27	•	•	•	57	46	42	-	-	5·1	58	72	•
Regents Pk. (Botanic Gardens)	168	•	•	•	•	•	•	•	•	2·4	•	•	•
Camden Square	116	bbc	bcb	•	57	44	•	-	-	•	At 18h.	91	•
Kensington Palace	80	bc	bc	•	58	44	38	-	-	•	65	84	•
Hampstead Observatory	450	bcc	bcm	•	56	42	35	Tr.	Tr.	5·3	•	82	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
Instrument defective.			

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

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 10th October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 11th October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1021·1	SSW	1	bc	59	1011·9	SE	1	ir	50
Brussels	1021·1	-	0	c	41	1011·2	SE	3	c/p	46
Berlin	1019·1	WSW	3	b	52	1021·2	SW	2	c/-	43
Zürich	1024·2	S	1	c	46	1019·1	S	1	m	41
Rome	1017·9	SSE	6	c	70	1019·9	NW	1	bc	68

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
59	48	-	1
57	43	-	-
57	41	-	-
54	39	14	-
	63	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	2⅛ „
6 Moderate „	6½ „
7 Good „	12½ „
8 Very good „	31 „
9 Excellent „	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

12h OCTOBER 1930.

No. 25161

OBSERVATIONS at 13h. G.M.T. 11h. October — OBSERVATIONS at 18h. G.M.T. 11h. October — PAST 24 HOURS.

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. °F. Temp. (6)	13h. % Humid. (7)	13h. Visibility 0-9 (8)	13h. Cloud. Form. Low (9)	13h. Cloud. Form. Med. (10)	13h. Cloud. Form. High (11)	13h. Cloud. Amount. Low 0-10 (12)	13h. Cloud. Amount. Total 0-10 (13)	13h. Height of Base. (feet) (14)	18h. Barom. at M.S.L. mb. (15)	18h. Change in 3 hours. (16)	18h. Wind. Direc. (17)	18h. Wind. Force. 0-12 (18)	18h. Weather. (19)	18h. °F. Temp. (20)	18h. % Humid. (21)	18h. Visibility 0-9 (22)	18h. Cloud. Form. Low. (23)	18h. Cloud. Form. Med. (24)	18h. Cloud. Form. High. (25)	18h. Cloud. Amount. Low. 0-10 (26)	18h. Cloud. Amount. Total 0-10 (27)	18h. Cloud. Height of Base. (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)	Past 24 Hours. Weather. 7h.—13h. 11h. (37)	13h.—18h. 11h. (38)	18h. 11h. to 1h. 12h. (39)	1h.—7h. 12h. (40)
Lerwick	996·5	-8	SW	3	bc	53	85	8	7	-	-	2-3	2-3	2500	993·h	-20	S	3	C	51	85	7	8	2	-	h-6	7-8	1500	0	•	oc	bac	cbcc	cir0bc
Stornoway	992·1	-26	SW	6	pr0	51	85	8	3	7	-	h-6	7-8	h000	987·9	-20	SW	6	pr	h7	95	8	3	h	-	h-6	h-6	h000	2	3	bcpr0	cpb0c	bepr	bepr
Tiree	995·6	-20	S	5	C	53	75	8	7	6	3	h-6	7-8	2500	992·1	-2h	SSW	5	bc	52	85	8	7	7	3	2-3	h-6	h000	0	3	bc	bc	pr0bc	bcc
Nairn	993·8	-2h	S	6	bc	52	75	8	h	3	1	h-6	h-6	2500	990h	-20	SW	5	bc/pr	h8	85	7	8	3	-	2-3	h-6	2500	1	3	bcpr0	cpr	beepr	cpr
															991·h		W	2	bc	h8	75	8	2	-	-	h-6	h-6	h000	0	•	bc	bcabc	bcpr0	bc
Aberdeen	998h	-18	S	h	bc	53h	85	8	1	6	-	h-6	h-6	1500	995·3	-18	S	h	C	52	85	8	5	3	-	7-8	7-8	1500	1	2	bcebc	bc	beere	cbc
Malin Head	995·h	-2h	SSW	6	c	52	95	8	7	-	-	7-8	7-8	1500	992·3	-8	SW	5	bcjb	h9	85	7	9	-	-	h-6	h-6	1500	1	2	bcc	cirbcjb	cbepr0	cbepr0
Renfrew	999·7	-18	SW/S	h	cjb	53h	75	7	8	3	-	9+	9+	2500	995·7	-22	S	h	cjb	50	85	6	6	-	-	9+	9+	1500	1	•	c,rbcc	cacc	irPRHb	cq,ir
Inchkeith (Edin.)	1000·0	-16	SW	3	C	55	75	8	1	-	-	2-3	7-8	h000	996·1	-2h	S	3	C	52	85	8	1	1	-	2-3	7-8	h000	0	1	cirbc	cciro	cprbc	bc
Leuchars	1000·0	-1h	S	h	C	53h	75	8	8	3	-	h-6	7-8	2500	996·h	-3?	S	3	C	51	85	7	8	2	-	h-6	7-8	2500	0	•	ccir0c	ccirbc	ecRcbc	bc
Eskdalemuir	1000·8	-2	S	h	d0d0	h8	95	6	6	-	-	10	10	h50	997·h	-1h	SW	h	c/r	h7	95	6	5	-	-	9	9	800	1	•	orroddch	orrkqrc	ckqrRc	ccd0
Tynemouth	1002·6	-16	S	2	C	53	75	7	8	-	-	7-8	7-8	2500	999·8	-10	S	3	C	53	75	7	6	-	-	7-8	7-8	1500	0	2	C	C	coir0	oir0c
Blacksod Point	99h·6	-20	SW	h	C	51	75	8	3	3	3	2-3	7-8	800	995·1	-2	SW	6	pR	h8	75	8	3	-	3	h-6	7-8	800	1	h	brq	brq	prqbf	prq
Aldergrove	999·0	-20	S/W	h	pr0	52	75	8	8	-	-	7-8	7-8	2500	996·1	-10	S	h	tir0	h7	85	8	6	-	-	9	9	1500	1	•	cbcpo	bapgar	be	bcw
Donaghadee	999·1	-20	SW	2	C	56	75	8	7	3	-	h-6	7-8	h000	995·6	-16	SW	2	C	50	85	8	5	-	-	7-8	7-8	2500	0	1	cbc	bibbc	pr0bc	bc
Birr Castle	1000·3	-16	SSW	3	bc/pr	56	75	8	8	-	-	2-3	5?2-3	h000	998·6	-2	SSW	1	C	h8	95	8	8	5	-	7-8	7-8	h000	1	•	cp0	cp0	cpr	cprbc
Holyhead	100h·6	-1h	SSW	6	cjb	56	85	8	h	3	-	h-6	9	2500	1000·5	-1h	SSW	5	C	5h	95	7	6?5	5	/	9	9+	1500	1	2	prcjb	r0r0PR	cq,prbc	bc
Liverpool (Bidston)	100h·0	-1h	SSW	3	C	55	65	9	8	-	-	7-8	7-8	2500	1001·1	-12	SE	3	C	52	85	8	5	-	-	9	9	1500	0	•	cbcv	cvc	ocpr	cc
Chester (Sealand)	1005·4?6	-18	S/W	3	C	55	75	8	5	-	1?	7-8	7-8	2500	1002·8	-16	SE	3	C	53?	85	8	5	3	-	h-6	7-8	2500	1	•	bcc	tir0cv	eir	pr0bc
Harrogate	100h·6	-1h	SSW	3	bc	53h	65	7	8	-	/	2-3	h-6	h000	1002·3	-10	S/W	3	bc	50	75	6	6	h	-	/	2-3	h000	1	•	bc	bcbpo	ebp	ebp
Spurn Head	1006·1	-2	SW/S	h	bc	56	65	7	2	3	1	2-3	h-6	h000	1003·6	-6	SSW	3	bc	51	85	7	•	1	-	0	2-3	-	0	3	bc	bc	bcc	epr0
Birmingham	1006·5	-1h	SE	h	C	55	55	8	1	-	1	2-3	2?3	h000	100h·7	-6	SSE	3	bc	50	75	6	5	h	-	2-3	h-6	h000	1	•	bc	bc	bcc	cr0prbc
Cranwell	1006·6	-22	SSW	3	bc	57	65	8	1	-	9	2-3	2-3	2500	100h·9	-6	SSW	3	b	h6	85	6	5	-	-	/	/	h000	0	•	bcm0c	bcbyb	bm0cm0	cm0c
Gorleston	1008·2	-2h	SSE	2	bc	58	95	6	1	-	1	h-6	h-6	h000	1006·7	0	SW/S	3	bc	51	85	6	1	-	-	2-3	2-3	h000	0	2	cbc	bcb	bbc	bcebpr
Valentia Obs.	1001·7	-10	SW	h	pr0	53h	65	8	5	-	-	9	9	2500	1008·6	-2	SW	h	bc	51	75	8	8	-	-	h-6	h-6	2500	1	3	bcepo	cirircpbc	beepbc	beepbe
Roches Point	1002·6	-1h	W	3	C	55	85	8	3	-	-	7-8	7-8	1500	1001·h	-10	W	h	c/pr	52	95	8	3	-	-	7-8	7-8	1500	1	4?	circ	cpc	cbcbw	bbcw
Pembroke	100h·9	-18	SW	h	C	56	95	8	7	6	-	h-6	7-8	2500	1001·5	-18	WSW	h	pr	53	95	8	9	h	9	h-6	7-8	800	1	3	tir0bcq	cpq	cPq	airbcp
Ross-on-Wye	1006·6	-16	SSW	3	bc	53	55	8	1	-	-	2-3	2-3	h000	1005·1	-10	SW	3	C	52	75	8	5	-	-	9+	9+	2500	1	•	bc	bc	cbccd0	reb
Cardington	1007·0	-10	SW/W	3	bc	56	55	9	1	6	-	2-3	2-3	h000	1006·3	-6	S	2	b	h6	85	8	-	3	-	0	/	-	0	•	bcbbc	bc	bc	bcer0
Winchester	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1006·3	-6	SW/S	3	bc	h8	75	7	5	-	-	2-3	2-3	5?00	0	•	•	cbcb	bbc	bcc
S. Farnborough	1007·5	-18	W	2	bc	58	65	7	2	3	-	2-3	h-6	2500	1007·1	0	SW	2	b	h9	85	7	1	-	1	1	1	2500	3?0	•	cim0bc	cbcb	bbecer	crom0dd
London (Kew)	1007·7	-2h	SSW	2	C	56	65	8	5	-	-	7-8	7-8	h000	1007·1	+2	SSW	2	b	50	85	7	5	-	-	1	1	h000	4	•	bc	bcepob	bbc	bcepo
Croydon	1007·7	-2h	SSW	2	C	57	65	7	8	-	-	7-8	7-8	h000	1007·3	0	SSW	2	C	52	75	6	5	6	-	h-6	7-8	2500	0	•	cfwbc	cwz0cz0	bcmow	bccw
Manston	1008·3	-16	S'E	3	bc	58	65	7	7	3	-	h-6	h-6	h000	1008·0	1h	S	3	2	50	85	5	8	7	-	h-6	7-8	2500	1	•	om0bcc	bccz0	bm0	bmowo
	1008·3	-22	S'E	3	C	55	75	7	h	-	-	9	9	h000	1007·5	-2	S	2	b	(h9)	95	7	-	3	-	0	/	-	0	•	cirbc	cb	b	bcepe
Shoeburyness	1008·h	-16	S	2	bc	57	75	8	2	h	9	1	h-6	5700	1007·h	-1h	SSW	2	bc	h9	95	8	7	h	-	h-6	h-6	5700	0	•	C	bbc	e	cpo
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1007·h	-1h	SSW	h	bc	53	85	7	1	-	-	h-6	h-6	220	0	2	C	cbc	bc	bc
Felixstowe	1008·5	-20	SSW	2	C	55	75	8	7	-	-	7-8	7-8	h000	1007·h	0	SSW	2	bc	51	85	7	1	-	/	/	2-3	h000	0	1	C	bc0	bbc	bwbc
Scilly (St. Mary's)	1007·6	-10	SW	h	bc	57	75	8	8	6	-	2-3	h-6	h000	1006·5	-8	W'S	5	bc	51	85	8	8	-	-	h-6	h-6	h000	1	2	bcbo	bccb	cPo	cpbc
Falmouth	1008·7	-10	SW	5	bc	56	65	8	1	-	1	h-6	h-6	h000	1007·h	-10	SW	5	C	55	85	8	9	-	6	h-6	9+	2500	0	2	bc	bcc	ceirbc	bceir
Plymouth	1008·3	-10	SW	h	b	57	65	9	1	3	-	1	1	h000	1006·9	-6	SW	5	bc	55	75	8	9	-	1	h-6	h-6	h000	1	2	cprbv	bbavq	bcoqrR	cpRb
Portland Bill	1007·9	-10	SSW	2	bc	58	85	8	2	h	-	2-3	h-6	2500	1006·6	-6	SW	h	bc	56	95	8	h	h	5	2-3	h-6	2500	0	3	cbc	bc	c	ciR
Calshot, S'hampton	1008·0	-16	SSW	3	bc	61	55	8	8	h	-	2-3	2-3	2500	1007·5	-2	SW/W	3	bc	52	75	7	7	-	1	2-3	2-3	2500	0	1	cpr0bcy	bayyjbbc	bcc	cr0
Dungeness	•	•	SSW	3	cjb	•	•	7	h	6	•	h-6	7-8	h000	•	•	SW	2	pr0	•	•	7	6	7	•	h-6	h-6	1500	•	2	bc	opr0	"	co
Lympne	1008·h	-18	S'E	3	C	51	85	8	8	2	-	9	10	1500	1007·8	0	SW	2	C	h9	95	8	7	6	-	h-6	7-8	h000	1	/	cr0r0c	cbc	bc	bccirm
Guernsey	1009·5	-h	NW	1	bc	59	65	9	7	-	-	h-6	h-6	2500	1009·2	0	-	0	bc	52	85	7	5	-	-	7h-6?	h-6	2500	0	1	ocbcc	bc	bcbc	beec

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus,
R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, solar halo. ☿, lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

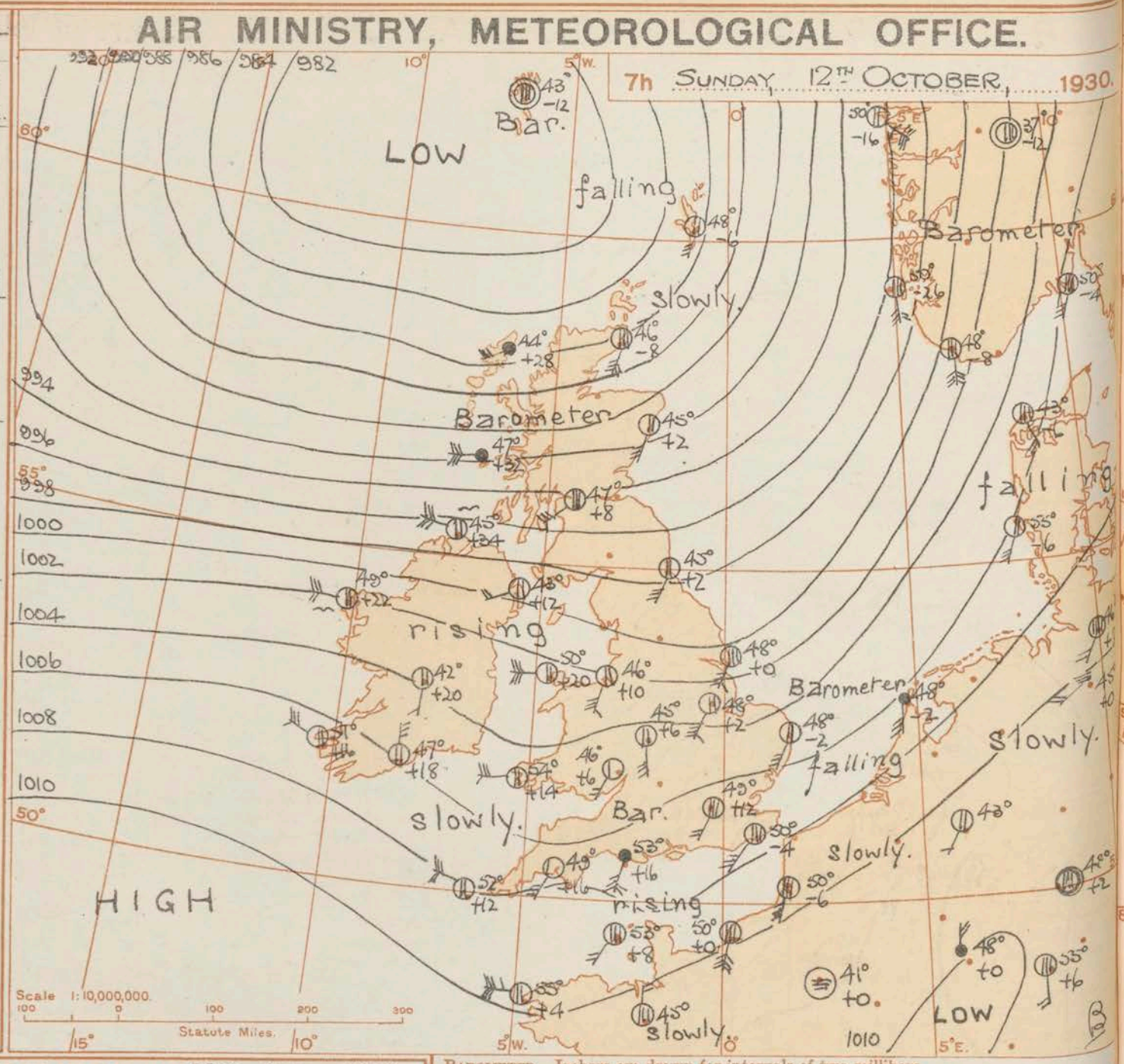
COLUMN 29.—STATE OF GROUND.

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

REPORTS from HEALTH RESORTS for 11th October 1930.

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 10th to 9h. 11th	Temperature. Max. 9h.—17h. 11th	Rainfall. Night, 17h. 10th to 9h. 11th	Rainfall. Day. 9h.—17h. 11th	Sunshine. Sunrise to 17h. 11th	Sunshine. Sunrise to Sunset. 10th
Dunbar ...	cpo	cp	44	55	0·5	2	1·1	0·9
Berwick-on-T. ...	cio	ioc	45	54	2	2	0·0	1·4
Douglas	cbcR	cgcR	51	54	1	17	0·4	6·1
Llandudno ...	cidc	bcic	50	59	Trace	Trace	4·7	8·1
Colwyn Bay ...	obc	bco	49	58	-	-	4·5	7·7
Rhyl	bcc	bc	47	58	0·1	-	4·1	8·8
Wallasey ...	bcc	cbcc	46	59	-	-	3·4	8·1
Southport ...	cp	cbcc	46	59	-	Trace	3·3	7·0
Blackpool ...	cbc	co	46	58	0·3	-	3·9	7·8
Morecambe ...	cb	cbcr	45	57	0·5	0·3	3·3	7·8
Ilkley	cbc	bcpob	45	55	-	Trace	3·1	5·6
Cleethorpes ...	wbc	b	39	57	-	-	9·0	9·0
Mablethorpe ...	bcwc	cpbcbm	38	56	-	Trace	7·6	9·3
Skegness... ...	b	b	43	57	-	-	6·7	8·7
Aberystwyth ...	bccir	ciicc	47	56	1	-	6·0	8·3
Bath	bcbc	bc	41	59	0·3	-	7·4	3·8
Cheltenham †	bwgbc	bcgb	42	58	Trace	-	9·5	6·4
Leamington Spa	bcb	bbc	40	58	-	-	8·2	7·6
Lowestoft ...	b	b	43	57	-	-	5·0	9·8
Dovercourt ...	oc	bc	46	57	-	-	3·7	9·3
Maldon	mcb	bc	40	59	-	-	4·8	7·4
Southend ...	cbcb	bcb	46	63	-	-	5·0	8·7
Ilfracombe ...	b	b	46	58	-	-	8·8	4·2
Bude	wbcb	bc	40	58	-	-	8·6	3·5
St. Ives	c	c	46	57	-	-	6·1	4·8
Penzance ...	b	b	45	59	-	-	8·0	5·3
Torquay	bowb	mb	41	60	0·3	-	9·3	7·5
Jersey	dcbc	cbc	51	60	Trace	-	5·2	7·0
Weymouth ...	bcpocb	b	43	61	-	Trace	6·7	6·9
Bournemouth ...	obc	bcb	48	60	4	-	7·0	6·8
Ventnor	cbcb	bcb	52	62	-	-	7·8	6·3
Southsea ...	bcb	bcb	50	61	-	-	6·8	6·0
Bognor Regis ...	bc	bc	52	60	-	-	7·0	7·8
Littlehampton ...	bcpbc	bc	49	59	-	1	4·1	8·0
Worthing ...	c	bc	50	59	-	-	4·1	8·1
Brighton... ...	c	cpcbc	50	56	-	1	1·3	8·2
Eastbourne .†	o	occipbc	52	55	-	0·1	0·0	7·5
Hastings †	oco	opcor	50	55	-	1	0·1	7·9
Folkestone ...	cdco	oc	48	56	Trace	-	0·1	7·6
Dover	c	c	49	57	Trace	-	0·0	7·8
Deal	o	cobcc	45	56	-	-	2·5	8·0
Tunbridge Wells	co	cocb	46	53	-	-	0·2	6·5
Ramsgate ...	cbc	bc	48	57	-	-	2·1	7·8
Margate	cbc	bc	47	58	-	-	2·9	8·3

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



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

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 12th Oct. 1930.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Moderate westerly winds, considerable bright periods, local showers; mild.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Moderate or fresh westerly winds backing again tomorrow, considerable bright periods, local showers, cloud increasing tomorrow; mild.
9. N. Midlands 10. N.E. England 11. S.E. Scotland	Strong to moderate westerly winds, bright periods, showers; moderate temperature.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland.	Strong to moderate westerly winds backing again tomorrow and becoming strong; bright periods with showers today, probably more general rain tomorrow; moderate temperature to mild.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	As 9 - 11.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 12 - 13B.

GENERAL INFERENCE.

A depression centred near the Faeroes is moving northeast and fresh depressions are indicated on the Atlantic. Showers, but with considerable bright periods, will be experienced in most districts today, but will probably be succeeded by more general rain tomorrow, especially in western districts.

FURTHER OUTLOOK.

Occasional rain or showers.

B.C.R.

Forecasts issued at 1000 G.M.T.

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

H.M. Stationery Office Press, Kingsway W.C.2.
Ps.2495/2136. Wt.26. D.8026. Gp.908. 2821C. 10/30.

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

Morning of Sunday, 12th October, 1930.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

⊙ = Calm.

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

12th October 1930.

No. 25161

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

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)
Lerwick	54	988·2	-24	S	4	c	51	85	8	8	7	—	4-6	7-8	1500
Stornoway	34	983·8	-6	WNW	2	bc	44	85	6	4	—	—	4-6	4-6	4000
Wick	81	987·0	-20	SSW	5	bc	49	85	8	8	—	—	4-6	4-6	4000
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	51	992·2	+12	W	5	ph.(r)	48	95	7	3	—	—	7-8	7-8	1500
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	993·5	-8	SSW	4	bc	47	85	8	—	4	—	0	2-3	—
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	67	997·0	-6	SW	3	r.r.	48	85	7	6	—	—	10	10	1500
Blacksod Point	10	988·0	+30	W	6	bc	48	75	8	3	—	—	4-6	4-6	1500
Aldergrove	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1000·3	+2	SW'W	6	bc	50	85	8	4	3	1	2-3	4-6	2500
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	29	1000·9	-8	SW'W	5	c	49	95	7	4	2	—	7-8	10	4000
Birmingham	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	1002·8	-2	SSW	3	c	47	95	6	—	3	—	0	9	—
Gorleston	14	1005·8	-2	SW'S	3	bc	46	75	6	—	—	1	0	2-3	—
Valentia Obs.†	30	1002·7	+10	SW	5	c	51	95	8	8	—	—	7-8	7-8	2500
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke	150	1001·1	0	WSW	4	ir	53	95	7	8	2	—	7-8	10	1500
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew)	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1007·4	-6	S'W	4	z	47	85	6	—	—	1	0	1	—
Manston	186	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1007·1	+6	W	5	c	53	85	8	8	—	—	7-8	7-8	4000
Falmouth	200	1006·5	-6	WSW	4	bc	52	95	8	2	—	—	4-6	4-6	4000
Plymouth	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	32	1005·5	-4	SW	5	c	56	95	8	8	—	—	7-8	7-8	2500
Calshot, S'hampton	8	1006·5	-6	SSW	5	pr	54	85	7	8	—	—	10	10	2500
Dungeness	20	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	347	1007·9	-2	SW'W	3	bc	46	85	8	2	—	4	1	4-6	2500
Guernsey	173	1008·7	-4	SW	3	bc	54	85	8	5	—	—	4-6	4-6	5500

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

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	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)
984·8	-6	SSW	3	bc	48	75	8	5	8	—	2-3	4-6	1500	1	•
985·1	+28	WSW	3	pr	44	95	8	3	—	—	4-6	4-6	4000	2	2
985·4	-8	SSW	5	c	46	95	8	8	—	8	4-6	7-8	2500	0	3
991·6	+32	W'N	6	pr	47	85	6	8	2	—	4-6	10	1500	1	4
986·6	•	W	2	bc	45	85	8	3	—	—	4-6	4-6	2600	1	•
990·6	+2	SSW	3	c	45	85	8	5	4	—	4-6	7-8	2500	1	1
996·4	+34	W'N	6	bcjp	46	95	7	9	—	—	4-6	4-6	1500	1	4
995·3	+8	SW	6	c/r	47	85	8	9	9+	3	9	9+	1500	1	•
993·5	+4	WSW	5	bc	47	95	8	—	1	—	0	4-6	—	0	3
993·0	0	SW	5	bc	46	85	8	5	—	—	2-3	2-3	2500	1	•
996·2	+10	SW	6	ido	43	85	8	5	3	—	9	9+	1500	1	•
997·0	+2	SW	3	bc	45	85	6	2	—	—	4-6	4-6	2500	1	2
1002·6	+22	W	5	bc	49	65	8	3	6	—	4-6	4-6	2500	1	4
1000·0	+20	SW'S	4	bc	44	85	8	5	3	—	2-3	2-3	2500	1	•
998·5	+12	WSW	2	bc	43	85	8	7	3	—	2-3	4-6	4000	0	1
1003·4	+20	SSW	1	bc	42	95	8	5	—	—	2-3	2-3	4000	1	•
1002·8	+20	W	6	bc	50	85	8	4	—	—	4-6	4-6	2500	1	3
1002·3	+10	SW'N	4	c	46	85	8	3	—	—	7-8	7-8	1500	0	•
1002·7	+12	W'S	3	pr.	48	85	8	8	—	—	4-6	4-6	2500	1	•
1000·6	0	SW'S	3	pr	45	95	7	6	—	3	2-3	4-6	2500	1	•
1000·8	0	SWW	4	c/pr	48	95	7	3	3	9	2-3	9	4000	1	3
1004·9	+6	SSE	3	b	45	85	8	—	3	—	0	1	—	1	•
1003·0	+2	SW	4	c	48	85	7	8	3	—	4-6	7-8	5700	0	•
1004·6	-2	SW'S	3	bc	48	95	7	—	4	—	0	4-6	—	0	2
1007·5	+16	W'N	4	bc	51	75	8	1	—	—	2-3	2-3	1500	1	3
1005·2	+18	N	3	bc	47	85	8	8	—	—	2-3	2-3	1500	0	2
1004·3	+4	W	4	bc/pr	54	95	8	3	—	—	4-6	4-6	1500	1	3
1005·2	+6	SW	2	b	46	85	8	2	—	—	Tr.	Tr.	4000	1	•
1005·5	+6	SSW	3	bc/r	44	95	9	5	—	—	2-3	2-3	4000	1	•
1005·2	+6	SW'W	3	c	48	85	8	5	—	—	9	9	1500	0	•
1007·0	+8	WNW	2	dd	47	95	6	6	—	—	10	10	1500	1	•
1006·5	+10	WSW	2	c	48	95	8	5	—	—	9+	9+	2500	1	•
1006·7	+12	SW	2	c	49	95	8	5	8	8	7-8	9	2500	1	•
1007·4	+4	W'S	4	c	50	85	7	5	7	—	7-8	9	1500	1	•
1006·4	+4	SSW	3	pr	50	95	7	8	—	—	10	10	4000	1	•
1006·5	+2	SW'S	2	c/pr	51	95	7	4	7	5	1	7-8	4000	0	•
1005·8	-10	SW	4	bc	52	85	7	1	—	—	4-6	4-6	800	0	3
1005·9	0	SW'W	3	bc	51	95	8	5	—	1	2-3	4-6	7200	0	1
1008·1	+12	WNW	5	bc	52	85	8	3	—	—	4-6	4-6	4000	1	3
1008·2	+14	WSW	3	bc	48	85	8	8	—	—	4-6	4-6	4000	1	1
1008·0	+16	WNW	2	b	49	85	9	2	—	—	1	1	4000	2	2
1006·5	+16	NW'W	5	ir	53	85	8	4	—	—	9	9	1500	1	3
1007·3	+4	W'N	3	c/r	50	95	8	5	2	—	4-6	9+	1500	2	1
•	•	SW	5	pr	•	•	6	6	—	•	9+	9+	1500	•	3
1006·8	-4	SW'W	3	ir.	50	95	6	8	2	—	7-8	10	1500	1	•
1008·6	+8	WSW	2	c	53	85	8	5	2	8	4-6	9	2500	0	2

PAST 24 HOURS.

Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 11h Hrs. (36)
53	47	•	-	0·6	6·4
53	42	•	6	5	3·8
53	45	•	•	Tr.	•
53	44	41	M	4	2·6
54	42	•	-	0·2	5·7
55	44	40	-	0·4	5·6
53	45	•	2	2	6·0
57	45	40	/	4	4·4
56	46	43	0·5	1	1·8
55	44	42	0·2	2	0·0
49	41	38	29	6	0·0
56	46	40	-	M	•
53	47	•	3	0·5	•
56	43	39	2	Tr.	5·0
57	42	•	M	0·3	•
56	41	38	0·6	3	3·3
57	50	46	5	0·2	1·7
56	44	42	-	2	5·3
58	46	38	M	3	4·1
55	45	41	M	1	4·4
57	47	•	-	Tr.	8·5
56	44	41	-	0·1	8·7
57	43	39	-	—	8·0
58	45	41	-	0·6	4·9
56	49	41	6	0·6	3·0
57	46	•	3	Tr.	•
56	50	•	/	2	4·8
58	45	40	-	2	9·2
56	44	39	M	1	8·2
60	44	43	M	—	3·2
59	42	38	0·2	1	4·1
59	44	30	M	0·2	3·7
58	45	38	-	Tr.	3·5
59	44	40	-	Tr.	5·1
58	45	41	-	0·6	4·9
56	49	41	6	0·6	3·0
57	46	•	3	Tr.	•
56	50	•	/	2	4·8
58	45	40	-	2	9·2
56	44	39	M	1	8·2
60	44	43	M	—	3·2
59	42	38	0·2	1	4·1
59	44	30	M	0·2	3·7
58	45	38	-	Tr.	3·5
59	44	40	-	Tr.	5·1
58	45	41	-	0·6	4·9
56	49	41	6	0·6	3·0
58	45	39	-	0·2	4·7
57	50	46	-	—	3·6
57	47	44	-	—	2·9
58	49	•	/	1	7·1
58	48	•	-	4	9·7
58	49	45	M	4	8·0
59	51	•	-	3	•
61	49	44	0·1	1	7·2
56	50	•	0·6	0·2	•
52	43	37	/	0·5	0·0
59	50	44	-	—	6·9

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	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	cfwbc	cuzcz	tcmrbccw	58	45	38	-	Tr.	3·5	•	•	
Croydon	244	ormbcc	bccz	bmwc	59	44	40	-	Tr.	5·1	•	•	7
Greenwich (Royal Observatory)	149	cbc	c	cbbcfbpwc	62	45	35	-	Tr.	3·5	71	78	6
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	H2	•	•	•
Westminster (St. James' Park)	27	•	•	•	60	47	40	0·4		3·8	65	77	•
Regents Pk. (Botanic Gardens)	168	•	•	•	•	•	•	•	•	3·5	•	•	•
Camden Square	110	cbc	c	•	61	48	·	-	-	•	At 18h.	80	•
Kensington Palace	80	bco	·o	•	60	47	37	-	Tr.	•	79	79	•
Hampstead Observatory	450	bcm	bc	•	58	44	37	-	Tr.	3·7	•	91	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
Reuna	Depeche		

Kew Observatory. Max.	Time.	Min.	Time.
0·6.	11h.	0·1	3h.-6h. 12th.

FOREIGN OBSERVATIONS.

18h. G.M.T. 11th October

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1010·1	—	0	c	50
Brussels	1008·4	—	0	c	46
Berlin	1011·1	ESE	3	ir.	52
Zürich	1013·1	S	1	c	52
Rome	•	•	•	•	•

7h. G.M.T. 12th October

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1011·0	WNW	1	o	46
1009·8	SSW	3	z	43
1009·7	WNW	3	c	48
1013·0	NW	1	ir	52
1021·5	WSW	2	b	61

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
52	45	4	Tr.
50	41	4	—
55	48	—	2
57	50	0·2	0·4
·	48	·	—

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

13th October 1930.

No. 25162

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

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)
Lerwick	984·9	-2	W'S	3	c	48	95	8	8	9	1	4·6	7·8	1500
Stornoway	992·2	+28	W	6	6c	48	75	8	9	8	-	4·6	4·6	4000
Wick	990·3	+38	W	5	pr6	47	95	8	8	6	-	4·6	4·6	2500
Tiree	998·4	+18	WSW	5	c	47	95	8	8	-	-	9	9	1500
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	2360
Aberdeen	995·9	+36	W	4	6c	52	85	8	1	4	-	4·6	4·6	2500
Malin Head	1001·1	+10	WSW	6	6c/p6	52	82	7	3	-	-	4·6	4·6	1500
Renfrew	1001·6	+30	WSW	4	c/pr	53	65	8	3	-	-	7·8	7·8	4000
Inchkeith (Edin.)	999·0	+30	WSW	6	6c	48	65	8	1	6	-	1	2·3	4000
Leuchars	998·3	+34	W	6	6c	52	65	8	3	-	3	2·3	2·3	2500
Eskdalemuir	1002·2	+34	W	5	6c	47	65	8	8	4	3	2·3	4·6	2500
Tynemouth	1001·2	+20	W	7	6c	53	55	7	2	-	-	4·6	4·6	2500
Blacksod Point	1005·7	+4	W	5	6c	53	65	8	4	7	-	2·3	4·6	4000
Aldergrove	1004·9	+18	SW'S	4	6c/p6	51	65	8	9	-	-	4·6	4·6	2500
Donaghadee	1004·1	+16	WSW	2	6c	54	55	8	7	4	-	2·3	4·6	4000
Birr Castle	1005·0	+6	SSW	1	6c/pr	53	65	8	8	-	-	4·6	4·6	4000
Holyhead	1007·9	+18	W'N	5	6	55	55	8	1	-	-	Tr.	Tr.	2500
Liverpool (Bidston)	1006·8	+10	W	6	6c	52	55	8	8	-	-	4·6	4·6	2500
Chester (Sealand)	1007·7	+18	W'N	5	6c	53	55	8	2	-	-	2·3	2·3	4000
Harrogate	1004·7	+14	WSW	4	6c/pr	49	65	8	3	-	-	2·3	2·3	2500
Spurn Head	1004·7	+6	WNW	6	c	55	90	6	2	2	-	2·3	7·8	4000
Birmingham	1007·6	+8	SW	4	6c	56	55	8	1	-	-	2·3	2·3	2500
Cranwell	1006·6	+14	W	4	6c	55	65	7	2	8	-	2·3	2·3	2500
Gorleston	1007·0	+14	W'S	3	6c	55	85	6	1	-	-	4·6	4·6	4000
Valentia Obs.	1009·8	+6	SW	4	6c	56	65	8	8	2	-	4·6	4·6	2500
Roches Point	1010·6	+12	W'N	2	6c	55	75	9	8	-	-	4·6	4·6	2500
Pembroke	1009·5	+12	W	3	6c	54	65	8	1	-	-	4·6	4·6	4000
Ross-on-Wye	1008·7	+14	WNW	4	6c/pr	56	55	9	2	-	-	2·3	2·3	4000
Leafield	1008·4	+10	W'N	4	6c	55	55	8	2	7	-	2·3	2·3	4000
Cardington	1008·0	+10	W	4	6c	56	55	8	2	3	-	4·6	4·6	2500
Winchester	1009·4	+10	W	4	c	57	65	8	9	-	-	7·8	7·8	2500
S. Farnborough	1009·0	+10	W'S	3	c	57	65	8	8	-	8	7·8	9	1500
London (Kew)	1009·3	+6	W'S	3	c	58	55	8	8	-	1	4·6	7·8	2500
Croydon	1009·6	+14	W	3	c	56	55	7	8	-	1	7·8	7·8	4000
Manston	1008·7	+8	WSW	3	c	59	65	7	1	-	8	1	7·8	4000
Shoeburyness	1008·8	+12	WNW	2	c	58	75	6	1	-	1	4·6	7·8	5700
Clacton-on-Sea	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Felixstowe	1008·2	+8	W	3	c	58	55	8	1	-	6	4·6	7·8	4000
Scilly (St. Mary's)	1013·1	+24	WNW	2	6c	57	75	8	2	-	-	4·6	4·6	4000
Falmouth	1012·0	+14	WNW	3	6c	57	65	8	1	-	-	4·6	4·6	4000
Plymouth	1011·1	+10	WNW	3	6	58	55	9	1	-	-	1	1	4000
Portland Bill	1010·3	+10	W'S	4	6c	57	85	8	8	4	-	4·6	4·6	2500
Calshot, S'hampton	1009·9	+8	WSW	4	6c	61	55	8	1	-	1	2·3	4·6	2500
Dungeness	•	•	WNW	3	c	•	•	6	4	7	•	7·8	7·8	4000
Lympne	1009·0	+6	W	3	6c	58	65	9	1	7	-	Tr.	4·6	2500
Guernsey	1012·4	+16	W	2	6c	58	65	9	7	-	-	4·6	4·6	2500

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

STATIONS.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	°Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	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)
Lerwick	989·2	+28	W'S	3	c	45	75	8	6	2	-	4·6	7·8	1500	1	•
Stornoway	993·9	+10	WSW	4	9	41	95	8	9	9	-	7·8	10	4000	1	3
Wick	993·5	+8	W	3	c/pr	40	95	8	9	2	-	4·6	7·8	1500	1	2
Tiree	999·6	+16	W	6	c/r	47	85	8	6	2	-	7·8	10	1500	1	4
Nairn	996·0	•	NNW	2	c/pr	43	85	8	6	-	-	7·8	7·8	1500	1	•
Aberdeen	998·3	+10	WSW	4	c	46	65	8	5	6	-	4·6	7·8	2500	1	2
Malin Head	1002·3	+10	SW'W	6	6c/p6	49	95	7	9	8	-	4·6	4·6	1500	1	4
Renfrew	1003·9	+16	SW	5	c'R	48	75	7	9	2	-	9+	10	1500	1	•
Inchkeith (Edin.)	1001·3	+12	SW	6	c'r	49	75	8	5	2	-	2·3	7·8	5700	1	4
Leuchars	1000·9	+14	WSW	5	c/pr	46	85	8	9	-	-	7·8	7·8	1500	1	•
Eskdalemuir	1004·6	+12	SW	6	6c	45	65	8	5	-	-	2·3	2·3	2500	1	•
Tynemouth	1005·3	+14	WSW	3	6c	48	75	6	5	-	-	2·3	2·3	800	0	2
Blacksod Point	1005·8	+2	W	6	6c	51	75	8	3	8	-	2·3	2·3	2500	1	4
Aldergrove	1005·9	+10	SSW	4	6c	48	75	8	5	-	-	2·3	2·3	5700	1	•
Donaghadee	1005·6	+8	W	2	6c/pr	48	75	8	4	3	-	2·3	4·6	4000	1	1
Birr Castle	1008·4	+4	SSW	1	6c	50	75	8	4	4	-	2·3	2·3	4000	1	•
Holyhead	1009·4	+10	SW'W	5	6c	53	85	8	4	3	-	2·3	2·3	2500	1	3
Liverpool (Bidston)	1010·0	+12	SSW	3	6	48	65	8	7	-	-	1	1	4000	0	•
Chester (Sealand)	1010·7	+20	S	1	6	47	75	7	1	-	-	1	1	2500	1	•
Harrogate	1009·5	+26	SW'S	3	6	45	75	7	1	-	-	Tr.	Tr.	4000	1	•
Spurn Head	1009·1	+16	W'N	4	6c	49	75	6	-	2	-	0	4·6	-	0	3
Birmingham	1012·0	+22	SSW	2	6	48	65	8	-	-	-	0	0	-	1	•
Cranwell	1011·6	+32	SW'W	3	6	43	75	6	4	-	-	Tr.	Tr.	4000	0	•
Gorleston	1011·1	+20	WSW	1	6c	50	85	6	5	6	-	2·3	2·3	2500	0	1
Valentia Obs.	1009·9	+2	S	3	c	51	85	8	5	2	-	4·6	9+	1500	1	2
Roches Point	1011·2	+6	W	3	c	52	85	9	5	3	8	2·3	7·8	2500	0	2
Pembroke	1011·7	+10	W	3	6c	53	75	8	1	-	6	2·3	4·6	4000	0	2
Ross-on-Wye	1012·7	+20	S	1	6	48	75	8	7	6	-	Tr.	1	4000	1	•
Leafield	1013·0	+26	W'S	2	6c	46	75	8	7	-	-	2·3	2·3	4000	0	•
Cardington	1012·7	+30	W	2	6	46	75	8	1	-	-	Tr.	Tr.	4000	0	•
Winchester	1013·5	+22	W	2	6	48	75	7	1	-	-	Tr.	Tr.	4000	1	•
S. Farnborough	1013·2	+30	WSW	1	6	47	85	9	5	-	-	Tr.	Tr.	2500	1	•
London (Kew)	1013·3	+26	WSW	1	6	50	85	5	1	-	-	Tr.	Tr.	4000	1	•
Croydon	1013·1	+28	SW	3	2	52	65	6	5	-	-	1	1	4000	1	•
Manston	1012·9	+20	SW	2	6	45	95	7	-	3	-	0	Tr.	-	0	•
Shoeburyness	1012·9	+24	WSW	1	6c	52	85	6	-	4	-	0	2·3	-	0	•
Clacton-on-Sea	1012·1	+14	W	3	6c	54	75	7	8	-	-	4·6	4·6	800	0	1
Felixstowe	1012·2	+22	W	2	6c	55	55	8	8	-	-	4·6	4·6	4000	0	1
Scilly (St. Mary's)	1011·7	+10	W	3	6c	52	85	8	1	-	8	2·3	4·6	4000	0	1
Falmouth	1011·4	+14	W'S	2	6c	54	75	9	1	-	5	2·3	4·6	4000	0	0
Plymouth	1011·6	+22	W	3	6	53	75	7	1	-	1	Tr.	Tr.	4000	1	1
Portland Bill	1013·6	+10	W	3	6c	56	85	8	4	-	-	4·6	4·6	2500	1	3
Calshot, S'hampton	1013·5	+22	W'S	2	6c	57	85	7	8	-	-	2·3	2·3	2500	0	1
Dungeness	•	•	WSW	4	c	•	•	6	4	-	•	7·8	7·8	2500	•	4
Lympne	1013·1	+30	SW'W	3	6	50	85	8	1	-	-	Tr.	Tr.	4000	0	•
Guernsey	1015·1	+20	W	1	6c	52	85	9	5	-	-	4·6	4·6	2500	0	2

PAST 24 HOURS.

STATIONS. (For heights see p. 4.)	Weather. 7h.–13h. 12th. (37)	Weather. 13h.–18h. 12th. (38)	Weather. 18h. 12th. to 1h. 13th. (39)	Weather. 1h.–7h. 13th. (40)
Lerwick	6cc pr6	c6cc pr	6c pr	6c p6
Stornoway	6c q p6	6c p6 q	6c	6
Wick	6c p6	c p6 c	6c	6c
Tiree	c p r	c z R	c p r	c p r
Nairn	6c p r	6c p R c	c p r 6c	6c c
Aberdeen	6cc pr6	6c y	6c 6w	6c w c
Malin Head	6c p h r 6c p	6cc pr	6c p r c i r	c i r c
Renfrew	6c c p q	6cc i R q	i R q i r6	r r6 r r q
Inchkeith (Edin.)	6cc p i	6cc i r6	r r c i r	c
Leuchars	6c P6	6c 6y c p q	c i r6 6cc	c i r6
Eskdalemuir	c6 6c p r c h 6	6c p r h 6	6 6 c	c i r6
Tynemouth	6c q	6c p6	6c	6cc
Blacksod Point	6c q	p r q	r r q	r r q
Aldergrove	6c p r 6	6c q p6 6 6c	6c w c	c i r6
Donaghadee	p r6 6c	6c p r6	p6 r 6c	c i r6
Birr Castle	6c	6c	6cc	c r r6
Holyhead	6c 6	6 6 c y	6c 6 w	c
Liverpool (Bidston)	p6 6 c y	6c y 6	6	6 6 c c
Chester (Sealand)	p i 6 c k r	6c y v 6	6	6cc
Harrogate	6 6 c p6	6 c 6	6 6 c	6cc
Spurn Head	6c	c 6 c	6c	6cc
Birmingham	6	6	6	6 6 c c
Cranwell	c 6 6 c	6 z6	6c z 6c	6c w c w
Gorleston	6c	6c z6	6c 6	6 6 c
Valentia Obs.	6c 6 6c	6c c p6 c	c p c i r6	c r6 r i r
Roches Point	6c v	6c v c v	c v c w	c w
Pembroke	6c	6c	6c p6	6c c q
Ross-on-Wye	6 6 c v p6	6 y 6 c y 6	6 6 c 6 w	6 m 6 c c
Leafield	6 6 c	6	6 w	6 w c
Cardington	c r6 6c	c y 6	6 x	6 x m c w
Winchester	6 6 c c p r c	6 y 6	6	6 x 6
S. Farnborough	c p6 v 6 c	c 6 c y 6 v	6 v	6 v w 6 c x
London (Kew)	6 c m6 6 c y	6 c y 6 m6	6 m6 w	6 f x
Croydon	c 6 c c	c 6 c 6 y	6 m6	6 m6 w 6 c
Manston	c	c 6	6	6 6 c c
Shoeburyness	c	c m6	6 m6	6 c m6
Clacton-on-Sea	6 c c 6c	6c	6 c 6 3	6 z 6 c
Felixstowe	6c	6 c y v	6 c y	6 c 6 w c
Scilly (St. Mary's)	6 c p6	6c	6 c 6	6 6 c c
Falmouth	6c	6c	6c	6 c c
Plymouth	6 6 c c y	6 c c y	6 c p R	c p R 6 c
Portland Bill	c i R c 6 c	6c	6 6 c	6 c c
Calshot, S'hampton	c p i6 c	6 c y 6 r j p 6	6 w	6 6 c w m6
Dungeness	6	6 c c		6
Lympne	c v 6 c	6 c v 6	6 6 m6	6 m6 6 x 6 c
Guernsey	c i d 6 c	6c	6 c w 6 c	6 c p6 c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus,
R, heavy rain. r_0, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, solar halo. ☾, lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

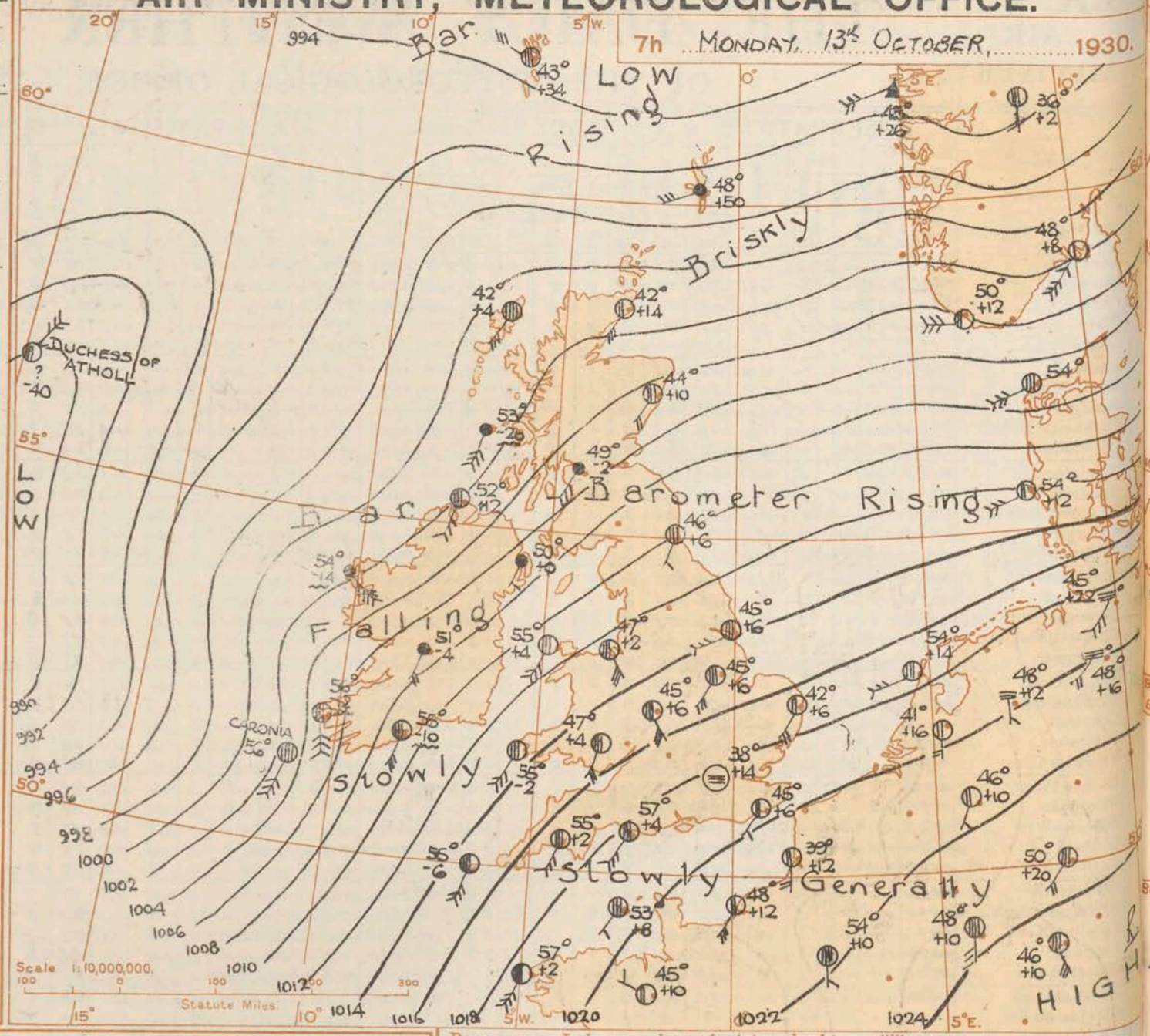
REPORTS from HEALTH RESORTS for 12th October 1930.

STATIONS.	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. 9h. 11th. to 9h. 12th.	TEMPERATURE. Max. 9h.—17h. 12th.	RAINFALL. Night. 17h. 11th. to 9h. 12th.	RAINFALL. Day. 9h.—17h. 12th.	SUNSHINE. Sunrise to 17h. 12th.	SUNSHINE. Sunrise to Sunset. 11th.
Dunbar ...	cr6	6	43	52	3	-	9·3	1·1
Berwick-on-T. ...	6c	6c	42	51	4	-	9·1	0·0
Douglas	6c	6c	45	53	1	-	9·7	0·4
Llandudno ...	6c	6c6	49	55	3	-	9·4	4·7
Colwyn Bay ...	6c6	6c6	46	56	7	-	8·9	4·5
Rhyl	m6	6	45	55	9	-	9·4	4·1
Wallasey ...	6cp6	6	46	56	3	Trace	8·1	3·4
Southport ...	6cp	6c	48	54	5	Trace	8·1	3·3
Blackpool ...	c6c	6cc	49	54	3	-	7·9	3·9
Morecambe ...	6	6	47	50	7	-	7·4	3·3
Ilkley	6cp	6	45	53	3	Trace	7·0	3·1
Cleethorpes ...	6	6	42	56	Trace	-	8·3	5·0
Mablethorpe ...	6	6	43	56	-	-	8·2	7·6
Skegness... ...	6	6	41	57	-	-	7·8	6·7
Aberystwyth ...	cpr6c	6c	50	54	2	-	8·7	6·0
Bath	6cp6	6	48	58	1	1	8·8	7·4
Cheltenham .†	6	66c	45	58	2	-	9·3	5·5
Leamington Spa	6	6	47	58	Trace	-	9·5	8·2
Lowestoft ...	6	6	45	58	-	-	7·0	5·0
Dovercourt ...	6c	6c	46	60	-	-	6·5	3·7
Maldon	c6	66c	40	60	-	-	6·4	4·8
Southend ...	c6c6	66c	47	62	Trace	-	5·4	5·0
Ilfracombe ...	cp6c	6	50	57	7	1	7·9	8·8
Bude	p6c	6c	41	58	1	-	8·6	8·6
St. Ives	6	6	49	57	1	-	8·9	6·4
Penzance ...	6	6	46	61	2	-	9·3	8·0
Torquay	cr6w6	6y	46	61	3	-	9·3	9·3
Jersey	rc	6c	53	60	2	1	4·6	5·2
Weymouth ...	6	6	49	63	3	-	8·7	6·7
Bournemouth ...	6r	6c	47	61	2	1	6·5	7·0
Ventnor	r6cp6	6p6c	49	59	2	1	6·1	7·8
Southsea ...	c66c	p6	49	61	5	0·4	5·7	6·8
Bognor Regis ...	r6c6	6cr6c	50	61	5	1	5·7	7·0
Littlehampton ...	cp6c	6cp6c	49	60	7	1	5·7	4·1
Worthing ...	c6c	6c	50	60	8	1	5·2	4·1
Brighton... ...	c6c	6ccp6	52	59	1	1	5·5	1·3
Eastbourne .†	cr6r6	6c6	50	58	4	Trace	6·3	0·0
Hastings †	c6	66c	47	58	2	-	7·1	0·1
Folkestone ..	r6cc	6c	47	60	2	-	6·3	0·1
Dover	6cc6c	6c6	46	60	2	-	6·6	0·0
Deal	666	6	43	62	0·3	-	7·1	2·5
Tunbridge Wells	66c6	66c6	44	59	1	-	5·7	0·2
Ramsgate ...	6c6	6	47	60	0·2	-	7·4	2·1
Margate	6c	6c	47	59	1	-	7·6	2·9

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h MONDAY, 13th OCTOBER, 1930.



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

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 13th Oct. 1930.
1. S.E. England 2. E. England... 3. E. Midlands	Wind southwest or south, fresh, stronger at times locally; cloud increasing; some rain later; moderate temperature.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind southerly, strong, gale locally, veering; cloudy, some rain; perhaps coastal fog; moderate temperature.
9. N. Midlands 10. N.E. England	As 1 - 3.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands	Wind mainly southerly, fresh, stronger at times; cloudy, rain at times; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland	Wind southeast or south, strong or gale, veering; cloudy or dull; rain at times; moderate temperature.
19. S.E. Ireland 20. S.W. Ireland	Wind south or southwest, strong or gale, veering; cloudy or dull; rain at times; moderate temperature; some coastal fog.

GENERAL INFERENCE.

A complex depression off our western seaboard will move between east and north-east. Rain will spread eastwards to most districts and there will be strong winds or gales from a southerly point.

FURTHER OUTLOOK.

Unsettled.

"Times of issue of gale warnings".

South Cone at 1445 on 12th in 13A., 13B., 17, 20.

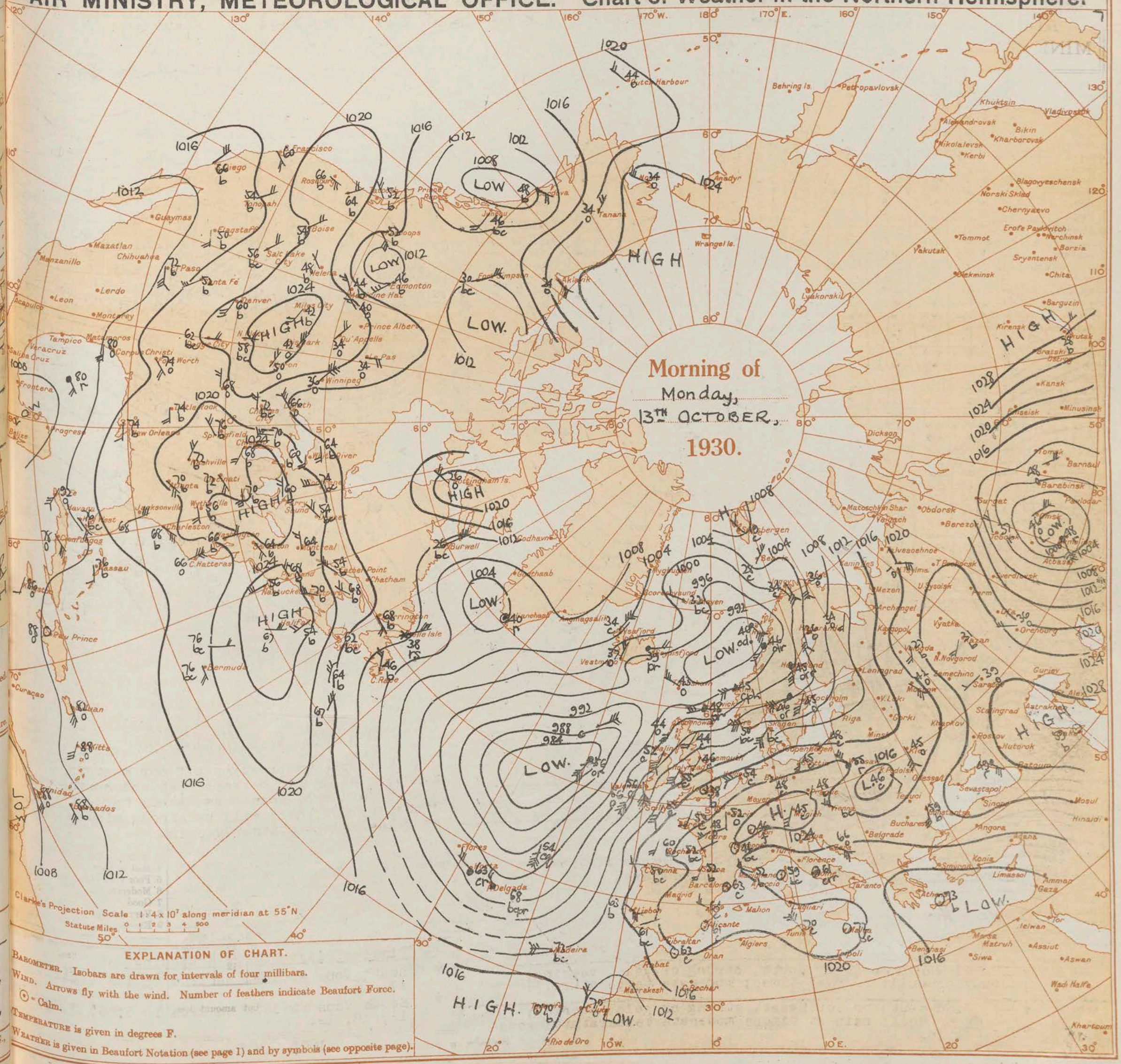
South Cone at 1930 on 12th in 5, 6, 7. 8, 12, 18, 19.

Forecasts issued at 1005 G.M.T.

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

P.s.2495/2138. M.26. D.6028. Gp.308.

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


Morning of
Monday,
13TH OCTOBER,
1930.
HIGH
LOW
LOW.
HIGH.
LOW.
HIGH
LOW.
HIGH
LOW.
HIGH

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

13th October 1930.

No. 25162

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

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)
Lerwick	54	990·4	+2	WSW	3	bc	45	75	8	8	-	8	4-6	4-6	1500
Stornoway ...	34	998·9	+24	WSW	3	bc	45	85	8	4	6	-	4-6	4-6	4000
Wick	81	996·3	+8	WSW	5	bc	41	85	8	5	-	-	2-3	2-3	4000
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head ...	51	1004·2	+2	S	4	cjp	49	95	7	6	7	-	4-6	9+	1500
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	1004·7	+14	WSW	5	c	47	95	8	5	2	-	7-8	10	1500
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir ...	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth ...	67	1008·0	+6	SW	2	bc	44	85	7	2	-	1	2-3	2-3	2500
Blacksod Point ...	10	1003·7	+16	SW	6	rr	54	85	7	6	-	-	10	10	220
Aldergrove ...	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee ...	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle ...	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead... ...	26	1010·9	[illegible]	SW	6	c	53	75	8	8	-	8	2-3	9	2500
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate... ...	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head ...	29	1012·5	+4	WSW	4	bc	45	85	7	-	7	9	6	4-6	-
Birmingham ...	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	1014·5	+8	SW	3	bc	40	85	6	-	-	6	0	4-6	-
Gorleston	14	1015·6	+14	WSW	2	b	43	95	7	-	-	-	0	0	-
Valentia Obs.† ...	30	1008·6	-10	S	5	r	50	95	6	6	-	-	10	10	2500
Roches Point ...	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke... ...	150	1012·9	-2	SW	4	bc	54	75	8	3	-	8	2-3	4-6	1500
Ross-on-Wye ...	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington ...	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester ...	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew) ...	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1016·7	+10	SSW	3	mo	41	95	6	-	-	-	0	0	-
Manston	135	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness ...	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea ...	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe ...	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1015·7	-2	SW'w	4	b	53	85	8	-	-	-	0	0	-
Falmouth... ...	200	1016·2	-6	SW	3	bc	52	95	7	2	-	-	4-6	4-6	4000
Plymouth... ...	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill ...	32	1016·3	+4	W'S	3	bc	55	85	8	8	-	-	4-6	4-6	2500
Calshot, S'hampton	8	1016·7	+6	SW'S	2	b	44	95	7	-	8	-	0	Tr.	-
Dungeness ...	20	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	347	1016·8	+12	NW'N	3	mo	42	95	6	-	-	-	0	0	-
Guernsey	173	1017·6	+8	-	0	bc	49	95	9	5	-	-	4-6	4-6	2500

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

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	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)
996·3	+50	W'S	3	pr	48	85	8	8	-	-	4-6	4-6	1500	1	•
1000·4	+4	SW	3	o	44	85	8	5	-	-	10	10	4000	1	2
1001·4	+4	SSW	3	bc	42	95	8	5	-	8	2-3	4-6	2500	0	2
1000·4	-20	~~SSW~~ SW'S	6	rr	53	95	6	6	2	-	4-6	10	800	1	4
~~996·0~~ 1002·5	•	~~SW'S~~ -	0	c	40	95	7	5	-	-	7-8	7-8	1500	1	•
1004·9	+10	SW	2	c	44	85	8	5	1	-	7-8	9	4000	1	0
1002·3	+12	SSW	4	c	52	95	7	5	-	-	9+	9+	800	1	3
1005·4	-2	SW	4	rr	49	95	6	6	2	-	9	10	1500	1	•
1006·0	+8	SW	4	c	50	85	8	-	2	-	0	10	-	0	2
1005·3	+6	SSW	4	c/r	49	85	7	5	7	-	7-8	9+	1500	1	•
1007·5	+6	SSW	4	ir	48	85	7	6	2	-	9	10	1500	1	•
1009·8	+6	SSW	1	c	46	85	6	4	-	-	7-8	7-8	4000	0	1
1001·9	-14	~~ESE~~ SSW	7	rr	54	95	6	6	-	-	10	10	220	0	5
1006·6	+2	S	4	ir	49	95	8	5	-	8	9+	10	800	1	•
1007·8	0	SW	1	ir	50	95	7	5	-	-	9	9	800	1	1
1007·6	-4	SSW	2	rc	51	95	7	6	-	-	10	10	2500	1	•
1010·9	+4	SW	5	c	55	75	7	5	-	8	4-6	9+	2500	1	3
1012·4	+2	SSE	3	c	47	85	8	5	-	8	2-3	9	2500	0	•
1012·9	+8	SE'S	3	c	44	95	8	5	1	-	4-6	7-8	2500	1	•
1012·4	+6	S'W	3	c	43	95	6	-	4	7	0	10	-	1	•
1013·1	+6	WSW	4	c	45	95	7	-	3	8	0	10	-	0	3
1015·8	+6	SE	3	c	45	95	8	5	7	6	4-6	9	1500	1	•
1015·3	+6	SW'S	3	c	45	95	7	5	4	7	2-3	10	4000	0	•
1017·1	+6	SW	2	bc	42	95	6	-	-	2	0	4-6	-	0	1
1005·5	-12	S'E	6	c/r	56	95	7	5	2	-	7-8	10	800	1	4
1009·0	-10	SW	3	c	55	95	7	3	-	-	9	9	1500	0	4
1012·4	-2	SW	5	q	55	75	7	9	7	8	4-6	9	1500	0	2
1015·4	+4	S'W	2	c	47	95	7	1	7	8	1	7-8	4000	0	•
1016·6	+6	S	3	c	40	95	8	-	7	6	0	7-8	-	0	•
1016·8	+10	SW'S	3	c	41	95	7	5	7	1	1	7-8	5700	1	•
1017·9	+2	-	0	bc	36	95	7	-	4	9	0	4-6	-	1	•
1017·6	+8	SW	1	c	38	95	7	5	8	8	2-3	7-8	4000	1	•
1018·4	+14	-	0	bc/f	38	95	7	-	4	6	0	4-6	-	1	•
1018·2	+6	S'W	4	c	43	85	6	-	-	6	0	4-6	-	0	•
1018·1	+10	S	1	c	43	95	7	-	4	7	0	7-8	-	0	•
1018·7	+10	SW'W	2	bc	45	95	6	-	3	6	0	4-6	-	0	•
1017·7	+10	SW	3	bc	47	95	7	-	1	-	0	4-6	-	0	2
1018·3	+20	SW	2	c	47	85	7	5	-	2	1	9	5700	0	1
1014·6	-6	SSW	5	c	55	85	7	5	-	-	9+	9+	4000	0	2
1015·4	-6	SSW	5	c	55	85	8	8	9	6	4-6	7-8	4000	0	2
1016·1	+2	SW	4	c	55	85	8	6	3	-	2-3	9	1500	1	2
1016·8	+4	SW	4	c	57	95	8	7	8	-	4-6	7-8	2500	0	3
1017·6	+6	S'E	1	c	51	95	6	7	5	9	2-3	7-8	2500	0	1
1018·3	+6	SWW	1	bc	45	75	8	-	-	2	0	4-6	-	1	•
1018·8	+8	SW	1	c	53	85	9	5	-	-	7-8	7-8	2500	1	2

PAST 24 HOURS.

Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 12 hr. (36)
50	41	•	3	2	3·1
50	40	•	3	1	3·8
51	38	•	2	-	•
51	45	40	4	11	2·7
49	38	•	5	0·3	3·5
53	40	32	0·1	-	4·7
52	47	•	3	7	6·0
53	43	40	3	15	4·2
51	45	43	1	1	8·5
52	43	•	0·3	1	8·5
48	43	39	2	Tr	5·8
54	44	36	0·2	-	•
54	50	•	0·4	2·4	•
53	44	41	Tr.	0·2	8·2
55	45	•	0·3	0·4	•
55	44	32	Tr	1	8·9
55	52	48	-	-	8·9
52	45	42	Tr	-	8·7
55	39	32	0·1	-	8·8
53	43	39	Tr	-	7·5
55	43	•	-	-	7·3
56	41	36	-	-	9·3
56	38	32	-	-	7·8
58	40	36	-	-	7·3
57	50	44	Tr	4	6·5
57	50	•	-	Tr	•
55	52	•	-	Tr	8·9
57	38	30	Tr	-	9·9
57	37	30	-	Tr	9·3
57	37	30	-	Tr	8·7
59	32	26	0·1	-	7·9
60	35	24	Tr	Tr	6·7
58	37	28	-	-	7·4
58	37	36	-	Tr	6·0
59	39	32	-	4	7·4
59	54	42	-	2	9·3
60	54	39	0·4	-	•
62	42	35	0·5	Tr	6·1
60	35	•	Tr	1	•
58	42	29	0·1	-	6·6
59	48	39	0·1	0·1	7·0

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day. mm.	Rainfall Night. mm.	Sunshine to Sunset. hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
Kew	18	bcm,bcy	bcy,bcm.	bm,w/fx	58	37	28	-	-	7·4	•	•	4
Croydon	244	cbcc	cbc,by	bm,w/bc	59	39	36	-	Tr	6·0	•	•	•
Greenwich (Royal Observatory) ...	149	cbc	cby	bx,bc	61	37	27	-	Tr.	6·1	57	76	6
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	5·5	□	•	•
Westminster (St. James' Park) ...	27	•	•	•	61	41	34	-	-	6·5	65	76	•
Regents Pk. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	•	5·6	•	•	•
Camden Square	110	bc	cbc	•	60	40	4	-	-	•	•	82	•
Kensington Palace	80	bc	bc	•	60	39	!	-	-	•	4t 18h. 68	80	•
Hampstead Observatory	450	bc,bf	bf	•	60	32	30	Tr	0·1	6·1	•	77	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
Record defective			

Kew Observatory. Max.	Time.	Min.	Time.
0·3	20h. 12h.	<0·1	2-4h. 13h.

FOREIGN OBSERVATIONS.

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

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1016·3	WSW	2	c	55
Brussels	1013·9	SSW	2	c	50
Berlin...					
Zürich					
Rome					

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

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1021·1	S	1	3	54
1020·6	S	2	f	45
1019·8	W	1	fm	48
1025·4	S	1	c	45
1018·7	-	0	66	61

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
59	52	-	4
54	43	-	-
	46		-
	43		6
	?		50

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

14th OCTOBER 1930.

No. 25163

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

STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base (feet) (14)	SUNSHINE 12h. Hrs. (36)
Lerwick	1001.2	+20	WS	3	c	51	75	8	8	-	-	7-8	7-8	1500	3.1
Stornoway ...	999.6	+4	SE	3	rr	47	95	6	9	-	-	10	10	4000	3.8
Wick	1002.7	+4	S	3	r₀r₀	47	95	8	6	2	-	7-8	10	1500	•
Tiree	1001.2	-6	S	6	ir₀	54	95	6	6	2	-	4-6	4-6	800	2.7
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	3.5
Aberdeen	1004.8	0	SSW	3	c	53	85	7	6	4	7	2-3	10	2500	4.7
Malin Head ...	1001.7	-4	SW	6	r₀r₀	56	95	7	6	2	-	4-6	10	800	6.0
Renfrew	1006.6	-2	SSW	4	r₀r₀	54	95	6	6	1	-	9	10	1500	4.2
Inchkeith (Edin.)	1006.7	+6	SW	4	c	55	85	8	5	2	-	2-3	10	5700	8.5
Leuchars	1006.1	+6	SSW	4	ir₀	54	85	7	6	2	-	9	10	800	8.5
Eskdalemuir ...	1008.2	+4	SSW	4	dd.	51	95	6	6	-	-	10	10	1500	5.8
Tynemouth ...	1011.6	+10	SW	3	c	55	75	6	6	-	-	7-8	7-8	1500	•
Blacksod Point ...	1000.1	-8	S	7	c	57	85	7	3	-	-	10	10	220	•
Aldergrove ...	1005.8	-14	SE	4	rr	56	85	7	6	2	-	4-6	10	800	8.2
Donaghadee ...	1006.2	-6	WSW	2	r₀r₀	49	95	7	5	-	-	9	9	800	•
Birr Castle ...	1006.4	-2	SW	4	c	61	75	8	5	8	-	4-6	7-8	2600	8.9
Holyhead... ...	1011.1	-2	SSW	6	c/r	57	85	7	5	-	-	10	10	800	8.9
Liverpool (Bidston)	1013.3	+2	S	3	c	60	75	8	3	2	-	4-6	9+	2500	8.7
Chester (Sealand)	1013.8	+6	SES	3	ir₀	55	85	8	5	2	-	9	10	2500	8.8
Harrogate... ...	1013.0	+6	SWS	3	c	54	75	6	6	-	8	4-6	9+	5700	7.5
Spurn Head ...	1014.8	0	SW	3	c	59	75	7	1	7	1	7-8	7-8	4000	7.3
Birmingham ...	1016.9	+2	SE	4	c	54	75	8	6	2	-	2-3	9	2500	5.3
Cranwell	1015.8	0	SWS	5	c	59	75	8	7	7	9	2-3	9	4000	7.8
Gorleston	1018.2	-4	WSW	3	c	59	75	7	1	-	6	2-3	7-8	4000	7.3
Valentia Obs. ...	1004.4	-6	SE	6	c	59	85	8	5	-	-	7-8	7-8	1500	6.5
Roches Point ...	1008.7	-6	SW	5	c	57	95	8	3	-	-	7-8	7-8	1500	•
Pembroke... ...	1012.7	0	SW	5	q	57	85	7	4	6	8	2-3	7-8	2500	8.9
Ross-on-Wye ...	1015.9	0	SW	3	c	55	75	7	5	7	-	4-6	9+	4000	9.9
Leafield	1016.6	0	SSW	4	c	56	75	8	7	3	6	4-6	9	2500	9.3
Cardington ...	1017.4	0	SWS	4	c	57	65	8	1	3	1	4-6	7-8	2500	8.7
Winchester ...	1018.1	0	SSW	4	c	57	75	8	7	3	-	4-6	9	4000	7.9
S. Farnborough ...	1018.1	0	SSW	4	c	58	65	8	8	3	-	7-8	9	2500	8.7
London (Kew) ...	1018.4	-8	SSW	3	c	59	65	8	7	3	-	4-6	7-8	4000	7.4
Croydon	1018.6	-2	SSW	4	c	58	65	7	8	3	-	7-8	9	2500	6.0
Manston	1019.3	-2	SWS	3	c	61	65	8	1	7	1	4-6	7-8	2500	7.4
Shoeburyness ...	1019.2	0	SWS	4	bc	62	75	8	1	6	-	2-3	2-3	5700	5.6
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•	6.7
Felixstowe ...	1018.9	-6	SWS	4	bc	59	65	8	1	-	5	2-3	4-6	4000	6.3
Scilly (St. Mary's)	1014.4	0	S	6	c	60	85	7	4	-	-	7-8	7-8	4000	8.9
Falmouth... ...	1016.3	-6	SW	6	c	58	75	8	7	3	-	4-6	7-8	4000	8.8
Plymouth... ...	1017.1	-2	SSW	5	c	57	85	8	6	3	-	2-3	9	2500	9.3
Portland Bill ...	1017.7	-2	SW	5	bc	58	85	8	7	4	-	4-6	4-6	2500	•
Calshot, S'hampton	1018.9	+6	SSW	4	c	59	75	8	8	9	9	4-6	7-8	2500	6.1
Dungeness ...	•	•	SW	4	bc	•	•	7	4	4	•	2-3	4-6	2500	•
Lympne	1019.4	-2	SW	4	bc	58	65	8	1	6	9	2-3	4-6	2500	6.6
Guernsey	1019.3	-4	S	3	b	60	75	8	1	4	-	Tr.	1	2500	7.0

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

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 (35)
Lerwick	1003.0	+2	SW	1	c	49	85	7	5	2	-	4-6	10	1500	0	•
Stornoway ...	999.6	-6	S	6	rr	54	95	6	6	-	-	10	10	4000	2	4
Wick	1000.9	-6	S	3	r₀r₀	52	95	8	6	2	-	7-8	10	1500	1	2
Tiree	999.5	-4	SE	6	c/r	55	95	7	5	3	-	7-8	9+	1500	1	3
Nairn	1000.7	•	WSW	1	c	54	85	8	5	-	-	7-8	7-8	1500	0	•
Aberdeen	1005.0	0	SSW	3	c	54	85	6	6	2	-	7-8	10	2500	1	1
Malin Head ...	1000.4	-2	S	5	c	57	95	7	5	3	-	4-6	9	1500	0	2
Renfrew	1005.4	-6	SSW	4	c/r	55	85	6	6	1	-	7-8	10	1500	1	•
Inchkeith (Edin.)	1006.2	-4	SW	4	c	55	85	8	5	2	-	4-6	10	800	1	2
Leuchars	1005.7	-2	SSW	4	ir	54	85	76	6	2	-	9	10	800	1	•
Eskdalemuir ...	1008.4	+4	SW	6	ir₀	52	95	6	6	-	-	10	10	800	1	•
Tynemouth ...	1009.7	-4	SSW	3	c	55	75	6	6	-	-	7-8	7-8	1500	0	1
Blacksod Point ...	999.9	-4	S	7	c	57	85	6	3	-	-	10	10	220	1	6
Aldergrove ...	1004.9	0	SE	4	c	57	85	7	6	2	-	7-8	9+	2500	1	•
Donaghadee ...	1006.7	-2	SW	2	ir₀	56	85	7	5	-	-	7-8	7-8	800	1	1
Birr Castle ...	1005.3	-2	S	3	c	57	75	8	5	-	-	9+	9+	2600	1	•
Holyhead... ...	1002.9	-10	SSW	5	c	57	85	7	5	-	-	7-8	7-8	2500	1	3
Liverpool (Bidston)	1012.5	0	SE	3	bc	54	85	8	5	3	-	4-6	4-6	2500	0	•
Chester (Sealand)	1013.2	-6	SES	4	bc	54	85	7	5	3	-	2-3	4-6	2500	0	•
Harrogate... ...	1013.2	0	SSW	3	c	53	85	6	6	9	-	2-3	7-8	4000	1	•
Spurn Head ...	1015.0	0	SWS	3	c	54	85	7	8	2	-	7-8	9+	5700	0	3
Birmingham ...	1015.6	-4	S	3	c	54	85	7	5	-	-	9+	9+	2500	1	•
Cranwell	1016.1	+2	SW	3	bc	52	85	7	7	3	-	2-3	4-6	4000	0	•
Gorleston	1018.1	+4	SSW	3	c	55	85	6	-	7	-	0	7-8	-	0	2
Valentia Obs. ...	1003.1	-6	SE	6	c	57	85	8	5	-	-	9	9	1500	1	3
Roches Point ...	1007.5	-6	SW	5	c	56	95	8	3	-	-	7-8	7-8	1500	0	5
Pembroke... ...	1011.6	-4	SW	5	q	57	85	7	5	-	-	9+	9+	800	0	3
Ross-on-Wye ...	1015.2	-4	S	3	c	55	75	7	5	-	-	9+	9+	4000	1	•
Leafield	1017.1	+2	S	3	c	51	85	9	5	4	-	4-6	7-8	2500	0	•
Cardington ...	1017.7	+8	SSW	4	bc	52	75	8	7	4	-	2-3	4-6	4000	0	•
Shoeburyness ...	1019.7	+6	SSW	1	bc	53	95	8	-	4	-	0	2-3	-	0	•
Clacton-on-Sea ...	1019.5	0	SSW	4	bc	55	85	7	-	4	-	0	4-6	-	0	3
Felixstowe ...	1019.1	+4	SWS	3	bc	55	75	8	5	3	-	2-3	4-6	4000	0	2
Scilly (St. Mary's)	1013.0	+6	SE	5	bc	56	95	6	1	-	-	2-3	2-3	4000	0	3
Falmouth... ...	1014.7	+6	SW	6	c	57	95	7	9	-	6	4-6	7-8	1500	0	3
Plymouth... ...	1016.1	-6	S	5	c	57	85	8	6	-	-	9	9	2500	1	3
Portland Bill ...	1017.1	-4	SW	4	bc	58	85	8	4	-	-	2-3	2-3	2500	0	3
Calshot, S'hampton	1018.4	-2	SSE	3	b	56	85	8	1	4	-	1	1	2600	0	1
Dungeness ...	•	•	SW	3	bc	•	•	7	1	3	•	Tr.	2-3	4000	•	
Lympne	1019.7	-6	SWS	3	bc	50	85	8	-	3	1	0	2-3	-	0	•
Guernsey	1018.2	-6	S	2	c	59	85	8	2	-	-	7-8	7-8	2600	0	1

PAST 24 HOURS.

STATIONS. (For heights see p. 4.)	WEATHER. 7h.–13h. 13th. (37)	13h.–18h. 13th. (38)	18h. 13th. to 1h. 14th. (39)	1h.–7h. 14th. (40)
Lerwick	bcpr₀c	c	or₀r₀	or₀r₀
Stornoway ...	orr	orr	cP	O
Wick	bcrr	cr₀r	cr₀rc	cr₀r
Tiree	cir₀	crRc	c	c
Nairn	cr₀r₀	cbcc	cpr	bc
Aberdeen	crrir₀c	cz₀,c	cr₀rc	c
Malin Head ...	cir₀	cir₀c	cbc	bccw
Renfrew	crrr₀r₀	r₀br₀c	cq	cq
Inchkeith (Edin.)	c	cir₀	c	c
Leuchars	cir₀c,c	cir₀	cir₀bc	bcer₀
Eskdalemuir ...	ciradd m₀	oddrrair₀	oir₀cpR	cprc
Tynemouth ...	cq	cq	cbcq	bc
Blacksod Point ...	rrc	prq	oq	oq
Aldergrove ...	r₀crr	crrc	c	c
Donaghadee ...	cr₀r₀	cir₀	cir₀c	c
Birr Castle ...	or₀rc	c	cr₀	coir₀
Holyhead... ...	ir₀	pr, cVc	cbc	bcc
Liverpool (Bidston)	0	cVc	cbcbc	b
Chester (Sealand)	c	r₀c	bc	bcwc
Harrogate... ...	c	c	cbc	bc
Spurn Head ...	bc	bc	cbc	bc
Birmingham ...	bcpr₀c	c	C	C
Cranwell	cwc	cbc	bccbc	bcwm
Gorleston	bcc	c	cbcbw	bwbcc
Valentia Obs. ...	circ	c	c	cir
Roches Point ...	c	c	c	cor₀r₀
Pembroke... ...	cr₀q	cq	cq	cirq
Ross-on-Wye ...	bcc	c	cr₀	cr₀
Leafield	bcc	c	cbwbc	bcw
Cardington ...	bcc	cbc	bcbw	bwbc
Winchester ...	cm₀c	cbcb	b	bbcpgbcm₀
S. Farnborough ...	xbcmc	c,b	bw	bwbcwm₀
London (Kew) ...	bcgxc	cbcm₀	bcw₀	bmwcm₀w
Croydon	bcbm₀c	cbcbbcz₀	bw₀w	bbcm₀w
Manston	cbcc	cb	b	bbcW
Shoeburyness ...	bm₀bc	bc	bc	br₀bc
Clacton-on-Sea ...		bcc	bcb	bbc
Felixstowe ...	bc	bc	bc	bccw
Scilly (St. Mary's)	c	cbc	bcc	cp
Falmouth... ...	cbc	cbcc	cq	cir₀
Plymouth... ...	cq	bcc	cbq	coRrqr
Portland Bill ...	c	cbcb	bbcc	c
Calshot, S'hampton	bcwcjp	cbq,b	b, bcw	bc, cw
Dungeness ...	bc	bc		b
Lympne	bc	bc	bcbm₀	bbcwm₀
Guernsey	cbccb	bbcc	bc	bcprc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus,
R, heavy rain. r₀, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, solar halo. ⓛ, lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

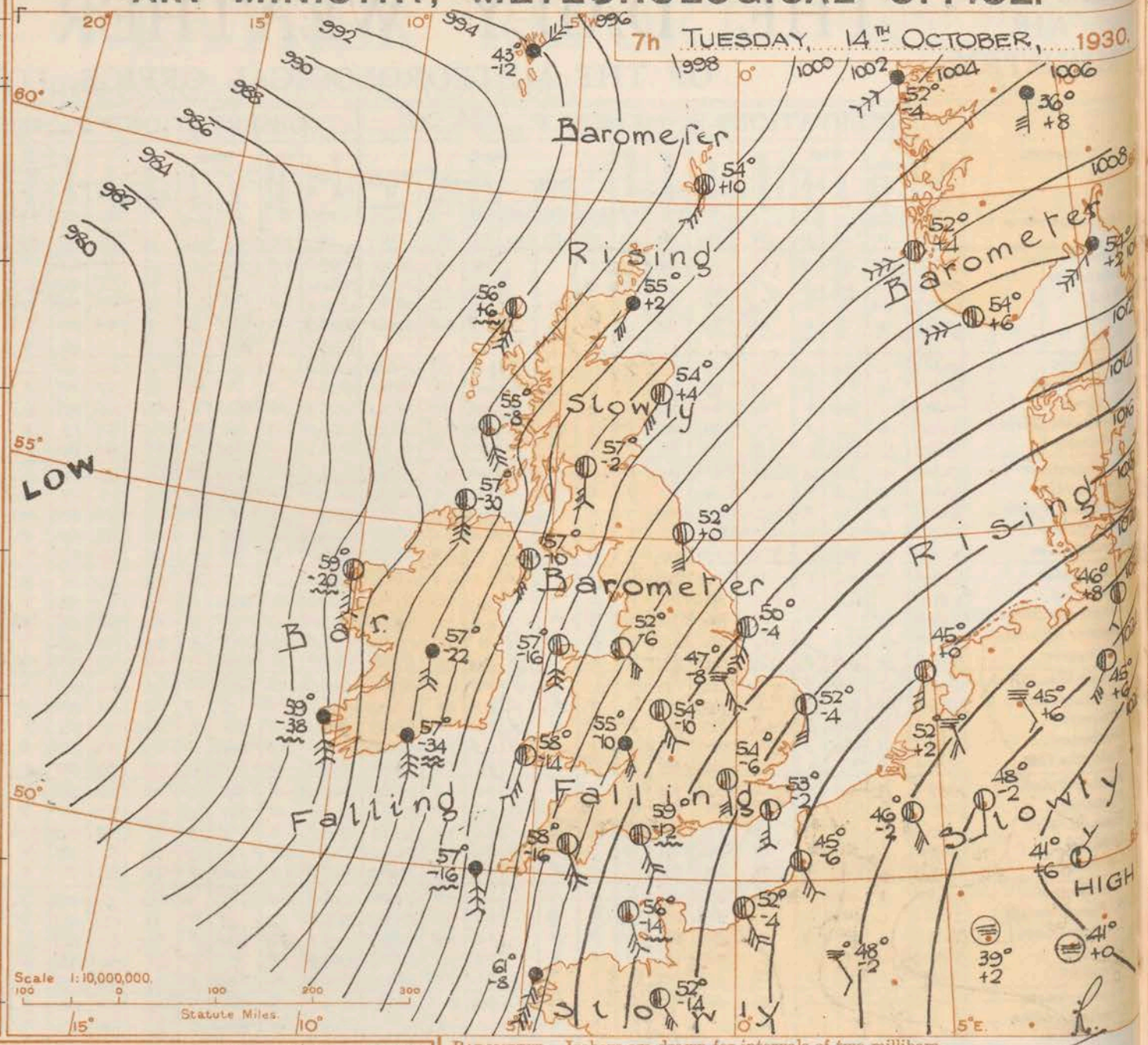
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 13TH OCTOBER 1930.

STATIONS.	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. 9h. 12th to 9h. 13th	TEMPERATURE. Max. 9h.—17h. 13th	RAINFALL. Night. 17h. 12th to 9h. 13th	RAINFALL. Day. 9h.—17h. 13th	SUNSHINE. Sunrise to 17h. 13th.	SUNSHINE. Sunrise to Sunset. 12th.
Dunbar ...	cr.c	cp.	46	58	1	Trace	0.0	9.3
Berwick-on-T. ...	c	c	45	56	-	-	0.0	9.1
Douglas	circ	circq	48	56	Trace	0.5	0.0	9.7
Llandudno ...	c	cbc	50	61	0.4	-	1.9	9.4
Colwyn Bay ...	obo	bco	45	57	-	-	0.7	8.9
Rhyl	c	c	45	58	-	-	0.0	9.4
Wallasey ...	c	cbcc	45	58	-	-	0·3	8.7
Southport . M	oco	r.oco	44	56	1	0.1	0.2	8.1
Blackpool ...	ocop	oc	45	56	-	0.3	0.0	7.9
Morecambe ...	c	cdc	44	55	-	0.3	0.0	7.4
Ilkley	c	c	43	55	Trace	-	0.5	7.0
Cleethorpes ...	cbc	cbc	39	60	-	-	2.0	8.3
Mablethorpe ...	cbc	cbcc	36	59	-	-	4·5	8·2
Skegness... ...	b	bobco	36	57	-	-	5.6	7.8
Aberystwyth ...	bccir	cbc	47	59	0·3	Tr	1·3	8·9
Bath	c	cbcb	36	61	-	-	3.4	9.0
Cheltenham .†	bcwc	c	42	57	-	-	1·9	9·3
Leamington Spa	bcc	co	36	59	-	-	1·6	9.5
Lowestoft ...	b	b	38	59	-	-	7.1	7.0
Dovercourt ...	b	bc	41	61	-	-	7.2	6.5
Maldon	b	bc	35	62	-	-	5.2	6.4
Southend ...	czbc	bccb	44	65	Trace	-	6.9	5.4
Ilfracombe ...	cbc	cbc	48	60	-	-	0.5	7.9
Bude	wcb	cbc	40	60	-	-	2·1	8.6
St. Ives	o	c	48	59	-	-	2·8	8·9
Penzance ...	cb	b	48	60	-	-	5.0	9.6
Torquay	p.cbc	b	42	59	0·2	-	5.2	9.2
Jersey	bc	bcc	46	62	-	-	8·3	4.6
Weymouth ...	b	b	40	64	-	-	6.4	8.7
Bournemouth ...	bc	bc	38	61	-	-	5·3	6.5
Ventnor	cbcb	b	48	57	-	-	7.0	6·1
Southsea ...	bbc	b	42	62	-	-	6.5	5.7
Bognor Regis ...	bbc	bc	43	59	-	-	6.5	5.7
Littlehampton ...	bc	bc	37	60	-	-	6·3	5.7
Worthing ...	bc	bc	40	62	Trace	-	7·2	5.2
Brighton... ...	bcpbc	bcc	40	60	-	Trace	7.3	5.5
Eastbourne .†	cp.c	cbcb	41	61	0·2	Trace	7.5	6·3
Hastings †	bcpb	bcb	44	60	0·2	0·5	7.5	7.1
Folkestone ...	bcbbc	bccbc	43	63	Trace	-	7.8	6·3
Dover	bc	bc	40	61	-	-	7.7	6·6
Deal	b	b	40	62	-	-	7.6	7.1
Tunbridge Wells .	bbc	bcb	40	59	-	-	6·1	5.7
Ramsgate ...	b	bbcb	45	61	-	-	7.9	7.4
Margate... ...	bc	bc	44	62	-	-	7.3	7.6

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



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

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 14th, Oct. 1930.
1. S.E. England 2. E. England... 3. E. Midlands	Wind southerly, moderate or fresh; perhaps strong locally later; mainly fair at first; perhaps rain later; mild.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Wind southeast or south, strong or gale, veering southwest; cloudy; some rain; mild.
10. N.E. England 11. S.E. Scotland	Wind between southeast and southwest, fresh, stronger at times; cloudy; probably some rain later; mild.
12. S.W. Scotland & Isle of Man 13. {A. W. Scotld. B. N.W. Scotland.	Wind between southeast and southwest, strong, gale locally at times; cloudy; rain at times; mild.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Wind between southeast and southwest, fresh, stronger at times; cloudy; rain at times; mild.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 4 - 9.

GENERAL INFERENCE.

A very deep low-pressure area is centred west of Ireland, and a secondary disturbance over the Bay of Biscay is likely to move northwards. Weather will be mild generally and rain is probable at times in many districts, while strong winds or gales will occur in western districts.

FURTHER OUTLOOK.

Rain at times, particularly in the West and North.

"Times of issue of Gale Warnings"

South Cone at 1445 on 12th in 13A, 13B, 17, 20,
South Cone at 1930 on 12th in 5, 6, 7, 8, 12, 18,
South Cone at 0240 on 14th in 1, 2, 10, 11, 15,

Forecasts issued at 1000 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2. Pa 2495/2136. m. 26. 9.6026. Gp. 308. 22/10/30.

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

Morning of
Tuesday,
14TH OCTOBER,
1930.

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

14TH OCTOBER 1930.

No. 25163

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

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)
Lerwick	54	999.4	-10	S'W	2	c	52	95	6	6	–	–	10	10	800
Stornoway ...	34	995.5	0	S	8	c	55	95	5	6	–	–	10	10	4000
Wick	81	1000.0	+4	SW	3	c	54	95	8	8	–	8	7-8	10	1500
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head ...	51	999.7	-2	S	6	c	57	95	7	1	9	–	1	7-8	1500
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	1006.2	+2	SW	6	c	57	85	8	5	2	–	4-6	10	1500
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir ...	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth ...	67	1011.8	+2	S	2	bc	52	85	7	2	–	–	4.6	4.6	2500
Blacksod Point ...	10	997.4	-2	S	9	q	59	85	7	3	–	–	9	9	220
Aldergrove ...	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee ...	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle ...	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead... ..	26	1009.3	-10	S'W	5	bc	56	95	7	5	3	8	2-3	2-3	4003
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate... ...	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head ...	29	1015.0	0	SW'S	5	c	50	95	7	4	3	–	7-8	9+	4000
Birmingham ...	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	1016.5	0	SSE	3	bc	47	95	6	5	–	–	4.6	4.6	1500
Gorleston	14	1014.8	-4	SW'S	3	bc	51	95	7	1	–	–	2.3	2-3	4000
Valentia Obs.† ...	30	999.5	-5.0	S	7	u	57	95	8	2	–	–	9+	9+	2500
Roches Point ...	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke... ...	150	1010.1	-8	SSW	4	q	57	85	7	8	–	–	10	10	1500
Ross-on-Wye ...	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington ...	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester ...	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew) ...	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1019.0	-2	S	2	3	49	85	6	4	3	–	1	2-3	5700
Manston	135	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness ...	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea ...	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe ...	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1009.9	-14	S'E	6	c	57	95	7	8	–	–	7-8	7-8	4000
Falmouth... ...	200	1013.4	-6	S'E	6	c	57	95	7	5	–	–	10	10	4000
Plymouth... ...	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill ...	32	1015.6	-8	SSE	5	c	58	95	8	–	5	–	0	7-8	–
Calshot, S'hampton	8	1017.6	-8	S'E	4	bc	56	85	7	–	–	4	0	4.6	–
Dungeness ...	20	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	347	1019.3	-10	S	3	3c	53	95	6	–	–	–	0	0	–
Guernsey	173	1017.5	-10	S	3	bc	56	85	8	5	–	–	4.6	4.6	4000

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

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)
999.1	+10	SSW	4	c	54	95	6	6	–	–	10	10	800	1	*
996.3	+6	SSW	6	c	56	95	5	6	2	–	4.6	10	4000	1	4
1000.0	+2	SW	3	c	55	85	8	8	1	–	7-8	10	1500	1	3
998.2	-8	SSE	6	c	55	95	5	2	9	–	4.6	9	2500	0	3
1000.8	•	WSW	3	c	57	95	8	5	9	–	4.6	7-8	2500	0	*
1004.4	+4	SW	3	c	54	85	7	7	7	8	9+	9+	1500	1	1
995.9	-3.0	S'E	7	c	57	95	7	5	7	–	7-8	9	800	1	3
1005.4	-2	S	4	c	57	85	7	5	7	–	9+	9+	1500	1	*
1005.6	0	SSW	4	c	57	85	7	5	6	–	4.6	9	1500	0	2
1005.7	0	S	3	c	55	85	7	5	6	–	9+	10	1500	1	*
1007.2	+4	S'W	4	c	53	85	8	5	7	–	7-8	9+	1500	1	*
1009.7	0	S	3	c	52	85	7	8	8	–	4.6	7-8	2500	1	2
993.0	-2.0	S	4	c	59	85	7	8	8	–	7-8	9	220	0	4
1001.5	-2.0	SE'S	5	c	57	85	7	6	5	–	9	10	800	1	*
1003.7	-1.0	SW	3	c	57	95	7	5	–	–	7-8	7-8	800	1	2
998.4	-2.2	S	5	ir	57	95	7	5	–	–	10	10	1500	1	*
1006.6	-1.6	S	6	c	57	85	7	5	2	–	7-8	9+	2500	1	3
1009.4	-6	ESE	3	bc	52	95	7	5	6	–	4.6	4.6	2500	0	*
1013.3	-4	SE'S	4	c	52	95	7	5	6	–	4.6	7-8	2500	1	*
1011.5	-1.0	S'E	2	bc	49	95	7	5	6	–	4.6	4.6	2500	1	*
1013.6	-4	S'W	5	c	50	95	7	5	5	–	4.6	9	4000	0	3
1012.8	-1.0	ESE	4	c	54	85	7	5	5	–	2.3	7-8	4000	1	*
1014.1	-8	SE'S	4	m	47	95	6	5	5	–	2.3	4.6	450	0	*
1017.7	-4	S	3	bc	52	95	7	5	6	–	0	4.6	–	0	2
991.6	-3.8	SSE	6	r	52	95	7	6	6	–	7-8	10	1500	1	4
997.7	-3.4	S	6	c	57	95	7	6	6	–	10	10	800	1	6
1006.0	-1.4	SSW	4	c	58	85	7	6	5	–	9+	9+	1500	1	3
1012.0	-1.0	S'E	3	c	55	95	7	5	7	–	4.6	9+	2500	1	*
1014.0	-1.0	S'E	4	bc	50	95	7	5	7	4	2.3	4.6	4000	0	*
1015.1	-1.0	S'E	4	c	52	95	7	5	7	6	4.6	7-8	5700	0	*
1014.8	-1.0	SSE	4	bc	53	95	6	7	3	4	1	4.6	2500	1	*
1015.6	-8	SE	2	bc	51	95	6	5	8	1	2.3	4.6	4000	1	*
1016.3	-6	SSE	3	c	54	95	6	5	5	–	2.3	7-8	1500	1	*
1016.7	-1.2	SE'S	2	c	53	85	7	5	5	–	4.6	9	450	0	*
1018.3	-2	SE	2	bc	51	95	8	5	3	–	0	4.6	–	0	*
1017.9	-1.0	SE'S	3	bc	52	95	7	5	5	–	2.3	4.6	5700	1	*
1018.0	-6	S	4	bc	55	85	7	8	3	–	4.6	4.6	800	0	3
1017.9	-6	S'W	4	c	55	95	7	8	3	9	0	7-8	–	1	2
1005.4	-1.6	SSE	6	ir	57	95	7	9	–	–	9+	9+	2500	1	4
1008.9	-1.4	S'E	6	ir	58	95	7	5	–	–	4.6	9	4000	1	4
1011.0	-1.6	SSE	5	c	58	85	8	6	2	–	1	10	1500	1	3
1012.7	-1.2	SSE	5	c	59	95	8	4	5	–	7-8	9	2500	0	4
1015.3	-2.0	SSE	4	c	57	85	8	4	9	2	1	9	4000	0	2
•	•	S	5	c	•	•	7	4	4	•	4.6	7-8	4000	•	3
1018.1	-2	S	4	3c	53	85	6	4	4	1	0	4.6	–	0	*
1014.4	-1.4	SSE	4	2c	56	95	7	5	4	–	4.6	7-8	2500	1	4

PAST 24 HOURS.

STATIONS.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 13th Hrs. (36)
Lerwick	51	47	*	Tr.	6	5.4
Stornoway ...	54	53	*	9	8	0.0
Wick	(52)	41	*	3	2	*
Tiree	(55)	54	50	4	–	0.0
Nairn	54	51	*	2	0.1	0.2
Aberdeen	55	53	+7	2	0.4	0.0
Malin Head ...	58	54	*	1	–	0.0
Renfrew	55	55	52	6	–	0.0
Inchkeith (Edin.)	57	55	53	0.2	–	0.0
Leuchars	55	54	48	0.6	0.2	0.0
Eskdalemuir ...	52	51	50	13	4	0.0
Tynemouth ...	56	51	45	–	–	*
Blacksod Point ...	59	53	*	8.3	Tr.	*
Aldergrove ...	58	54	50	1	–	0.0
Donaghadee ...	57	54	*	1	Tr.	*
Birr Castle ...	62	56	51	0.6	0.1	2.4
Holyhead... ..	59	56	53	0.1	–	0.1
Liverpool (Bidston)	56	51	49	–	–	0.6
Chester (Sealand)	57	52	44	Tr.	–	0.0
Harrogate... ...	55	48	46	–	–	0.5
Spurn Head ...	60	48	*	–	–	2.3
Birmingham ...	55	50	48	Tr.	–	1.1
Cranwell	59	44	41	–	–	3.3
Gorleston	60	49	45	–	Tr.	6.2
Valentia Obs.† ...	60	57	50	2	5	2.0
Roches Point ...	58	55	*	–	3	*
Pembroke... ...	58	56	*	Tr.	–	2.1
Ross-on-Wye ...	58	53	51	–	0.6	0.7
Leafield	57	44	42	–	Tr.	2.3
Cardington ...	59	45	41	–	–	3.0
Winchester ...	60	46	41	–	Tr.	6.2
S. Farnborough ...	60	47	34	–	0.1	5.7
London (Kew) ...	61	48	38	–	–	4.8
Croydon	60	48	39	–	Tr.	4.5
Manston	61	44	36	–	0.3	7.4
Shoeburyness ...	63	45	37	–	Tr.	7.2
Clacton-on-Sea ...	60	53	48	–	–	5.8
Felixstowe ...	60	52	48	–	–	7.4
Scilly (St. Mary's)	60	55	*	–	2	7.0
Falmouth... ...	58	57	*	–	0.1	4.0
Plymouth... ...	60	56	55	–	2	2.1
Portland Bill ...	59	57	*	–	–	*
Calshot, S'hampton	60	54	49	–	Tr.	5.6
Dungeness ...	62	54	*	Tr.	Tr.	*
Lympne	59	49	42	–	Tr.	7.8
Guernsey	61	56	52	–	0.1	7.3

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
KEW	18	bcfxc	cbcm	bcmw	61	48	38	–	–	4.8	•	•	6
CROYDON	244	bcbmc	cbcbbc3	bmwbc	60	48	39	–	Tr.	4.5	•	•	6
GREENWICH (Royal Observatory) ...	149	bc	cbc	bwc	62	46	35	–	Tr.	4.6	67	91	6
CITY (Bunhill Row)	—	•	•	•	•	•	•	•	•	3.5	•	•	•
WESTMINSTER (St. James' Park) ...	27	•	•	•	61	52	43	–	–	4.1	61	85	•
REGENTS PK. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	–	3.5	•	•	•
CAMDEN SQUARE	116	bc	cb	•	61	51	*	–	–	•	•	87	•
KENSINGTON PALACE	80	bc	bc	•	61	51	40	–	–	•	At 18h.	91	•
HAMPSTEAD OBSERVATORY	450	bcmb	bm	•	59	48	40	Tr.	–	4.5	77	91	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

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

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0.4	8h 13th	<0.1	5h 14th

FOREIGN OBSERVATIONS.

STATIONS.	18h. G.M.T. 13th October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 14th October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1022.1	S	2	m	54	1021.7	SE	1	m	48
BRUSSELS	1022.0	S	1	b	50	1021.8	SSE	3	c	46
BERLIN						1022.3	SW	1	bc	43
ZÜRICH	1025.5	ENE	2	b	50	1025.9	S	1	f	41
ROME						1020.0	NNE	2	b	61

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
59	46	–	Trace
59	45	–	–
	41		
63	39	–	–

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 13.
The BEAUFORT SCALE OF WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

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

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

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
15TH OCTOBER 1930.
No. 25164

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

Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base (feet) (14)
Lerwick	1000.7	+2	S'E	2	c	53	96	7	5	2	-	4-6	10	1500
Stornoway	994.7	-10	SSW	6	c/d	56	95	7	3	-	-	10	10	4000
Wick	999.7	-4	SSE	4	c	57	85	8	4	7	1	2-3	7-8	2500
Tiree	994.0	-26	SE's	6	r.r.	56	95	6	6	-	-	10	10	1500
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1003.3	-14	S	4	i.r.	55	85	6	6	2	-	7-8	10	1500
Malin Head	992.3	-38	S'E	7	c	60	95	7	5	1	-	7-8	9+	1500
Renfrew	1001.1	-26	S	4	rr	57	86	6	6	2	-	7-8	10	2500
Inchkeith (Edin.)	1003.4	-20	S	2	ir	60	76	8	5	9	-	7-8	9+	1500
Leuchars	1003.6	-14	SSE	3	i.r.	59	85	7	6	2	-	4-6	10	1500
Eskdalemuir	1004.0	-26	S'E	3	r.r.	54	95	6	5	-	-	10	10	1500
Tynemouth	1006.8	-16	S	3	c	57	85	6	5	-	-	9	9	1500
Blacksod Point	992.2	+10	S	5	c	58	95	6	2	-	-	10	10	<150
Aldergrove	996.8	-26	SSE	6	i.r.	59	95	7	6	-	-	10	10	800
Donaghadee	998.5	-28	SW	6	r.r.	57	95	7	6	2	-	7-8	9	800
Birr Castle	996.0	0	SW	5	0	63	85	8	5	-	-	10	10	1500
Holyhead	1004.3	-10	S	6	c.d.	59	95	5	6	-	-	10	10	800
Liverpool (Bidston)	1005.9	-20	SSE	6	c	59	85	7	5	-	6	4-6	7-8	1500
Chester (Sealand)	1007.4	-18	S'E	5	c	61	85	7	5	3	-	7-8	9	2500
Harrogate	1002.3	-14	S'E	3	c	58	76	5	-	2	7	0	10	-
Spurn Head	1010.5	-8	S'W	6	c	60	86	7	4	7	9	4-6	9	4000
Birmingham	1010.6	-6	ESE	5	pr.	60	75	8	6	2	-	4-6	9+	2500
Cranwell	1011.9	-14	S	5	c	61	75	7	6	7	1	4-6	9	4000
Gorleston	1016.0	-10	S	6	bc	58	95	6	6	8	4	2-3	4-6	2500
Valentia Obs.	992.9	+34	S'E	6	i.d.	59	95	6	5	-	-	10	10	300
Roches Point	999.8	+26	SW	4	i.d.	57	95	5	5	-	-	10	10	450
Pembroke	1004.8	-4	SSW	5	q	60	86	6	8	2	-	4-6	10	800
Ross-on-Wye	1009.8	-16	S	4	c/r	59	85	7	6	7	8	4-6	9+	2500
Leafield	1012.5	-12	S	5	c/r	58	85	8	5	-	-	9	9	4000
Cardington	1013.2	-10	S	4	c	63	65	8	4	7	4	4-6	9	4000
Winchester	1014.3	-2	S	4	ir	61	75	8	5	1	-	7-8	9+	4000
S. Farnborough	1014.4	-4	S	4	c	61	75	7	5	7	-	2-3	9+	5700
London (Kew)	1014.9	-20	S	4	c	62	66	8	5	9	6	2-3	7-8	5700
Croydon	1015.1	-10	S	4	c	64	56	7	-	7	5	0	7-8	-
Manston	1017.0	-8	S'W	4	c	61	75	8	-	3	-	0	7-8	-
Shoeburyness	1016.1	-14	SSW	4	bc	61	86	8	6	7	8	1	4-6	5700
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	1016.6	-14	S	4	c	59	75	8	-	3	9	0	7-8	-
Scilly (St. Mary's)	1006.1	+6	SSW	6	c/r	60	95	6	9	-	-	9+	9+	2500
Falmouth	1008.7	0	S'W	7	c	60	86	7	5	2	-	7-8	10	4000
Plymouth	1010.2	-6	S	6	c	61	85	7	-	2	-	0	9+	-
Portland Bill	1012.1	-10	S'E	5	ir	59	95	8	4	6	-	7-8	9	2500
Calshot, S'hampton	1014.9	-6	SE	3	pr.	59	85	7	9	7	-	4-6	10	2500
Dungeness	*	*	S	5	bc	*	*	7	-	3	*	0	4-6	-
Lympne	1016.9	-10	SSE	4	c	60	75	7	-	3	4	0	7-8	-
Guernsey	1014.0	-4	SSE	4	0	60	85	7	5	-	-	10	10	2500

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

Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
Lerwick	998.8	-6	S'E	3	i.r.	53	95	7	6	-	-	10	10	1500	1	*
Stornoway	999.9	0	S	6	d.d.	54	95	6	6	-	-	10	10	4000	1	4
Wick	996.0	-12	SSE	6	r.r.	54	95	7	6	2	-	4-6	10	1500	1	4
Tiree	995.2	+26	S'W	5	bc	58	95	7	5	4	8	1	4-6	800	1	4
Nairn	996.2	*	WSW	1	c	59	85	8	8	-	-	9	9	1500	0	*
Aberdeen	1000.5	-14	SSE	5	i.r.	55	96	4	6	7	-	7-8	9+	800	1	2
Malin Head	995.4	+26	SSW	5	b	63	95	7	5	-	-	1	1	800	0	3
Renfrew	999.7	+6	SSW	6	i.r.	61	85	6	6	2	-	9+	10	800	1	*
Inchkeith (Edin.)	1000.5	-22	SW	5	c	61	85	8	5	1	-	2-3	9	800	0	3
Leuchars	1000.9	-10	S	5	c/r	60	85	7	6	2	-	7-8	9+	800	1	*
Eskdalemuir	1003.8	+18	SSW	7	DD	57	95	4	6	-	-	10	10	220	1	*
Tynemouth	1005.4	+10	S	3	c	59	85	6	3	-	1	7-8	7-8	2500	0	3
Blacksod Point	994.4	+10	S	7	i.r.	58	95	7	3	-	-	10	10	<150	1	5
Aldergrove	1000.1	+26	S'E	4	i.d.	61	85	8	5	-	-	9+	9+	1500	1	*
Donaghadee	1000.6	+18	SSW	4	c	60	95	7	5	-	-	7-8	7-8	2500	1	2
Birr Castle	1000.1	+20	S	2	c	58	85	8	5	3	9	2-3	7-8	2500	1	*
Holyhead	1005.1	+10	S'W	5	c/d	59	95	6	5	-	-	10	10	800	1	3
Liverpool (Bidston)	1007.1	+10	S'E	3	c	61	85	7	8	-	-	7-8	7-8	2500	0	*
Chester (Sealand)	1007.5	+2	S'E	4	c	62	85	7	5	-	-	9	9	2500	0	*
Harrogate	1008.5	0	S'E	1	c	59	85	5	6	2	-	9	10	2500	1	*
Spurn Head	1009.6	-2	SSW	5	c	58	85	7	6	3	8	7-8	9+	2500	0	4
Birmingham	1010.8	+6	SW	4	c	59	85	8	6	2	-	4-6	10	2500	0	*
Cranwell	1011.3	+4	S	4	c	58	85	7	5	7	-	4-6	9+	4000	0	*
Gorleston	1014.9	0	S	5	r.r.	58	96	6	6	-	-	10	10	2500	0	3
Valentia Obs.	997.4	+6	S'E	5	c	59	95	7	5	-	-	10	10	800	1	4
Roches Point	1001.2	+4	SW	4	i.d.	56	95	5	5	-	-	10	10	800	1	4
Pembroke	1006.6	+4	S	4	2	59	95	5	3	2	-	2-3	10	800	1	4
Ross-on-Wye	1010.0	0	S	3	bc	60	85	6	5	2	9	1	4-6	2500	1	*
Leafield	1012.2	+6	S'E	4	c	56	85	8	5	-	-	7-8	7-8	4000	1	*
Cardington	1013.0	+8	S	4	c	59	76	7	4	7	-	4-6	7-8	4000	0	*
Winchester	1013.6	+4	SSE	3	c	59	85	8	5	-	-	7-8	7-8	4000	1	*
S. Farnborough	1013.3	-2	SSE	4	c	59	76	7	5	8	1	2-3	7-8	5700	1	*
London (Kew)	1014.5	0	S	2	bc	59	76	5	5	9	-	4-6	4-6	4000	1	*
Croydon	1014.3	0	S	4	c/r	60	75	6	5	7	-	4-6	7-8	1500	0	*
Manston	1015.6	-4	S	3	c	60	85	7	5	-	-	9+	9+	5700	0	*
Shoeburyness	1015.4	+10	S'W	3	r.r.	67	95	8	5	7	-	7-8	9	4000	1	*
Clacton-on-Sea	1015.3	-10	SSE	4	c	59	75	7	5	6	-	4-6	7-8	800	0	3
Felixstowe	1015.8	0	S	3	i.r.	58	85	8	5	-	-	9	9	5700	0	3
Scilly (St. Mary's)	1006.4	0	S'W	6	d.d.	59	95	5	6	-	-	10	10	2500	1	4
Falmouth	1008.6	0	S'W	5	c	52	95	7	5	2	-	7-8	10	4000	1	3
Plymouth	1010.2	+2	S'E	6	c	62	85	7	6	3	-	9	10	1500	1	3
Portland Bill	1012.0	+4	S'E	5	c	61	85	7	5	-	-	9	9	2500	1	4
Calshot, S'hampton	1013.4	-4	SES	3	c	61	75	7	6	7	-	8	7-8	2500	0	2
Dungeness	*	*	S	4	c	*	*	7	5	7	*	Tr.	7-8	4000	*	3
Lympne	1015.8	0	SSE	4	c	59	85	7	5	7	-	Tr.	9+	5700	0	*
Guernsey	1013.1	+4	S	3	c	61	85	7	5	-	-	7-8	7-8	4000	1	3

PAST 24 HOURS. WEATHER.

Stations. (For heights see p. 4.)	7h.–13h. 14th (37)	13h.–18h. 14th (38)	18h. 14th to 1h. 15th (39)	1h.–7h. 15th (40)
Lerwick	dir.	dir.	dir.dbc	bcc i r. m.
Stornoway	ocd.	odd	c	cd.
Wick	cr.r	c r r r.	bc	bc bc pr
Tiree	co L R	i r. c	bc	c Rr
Nairn	bcc	c	c	c
Aberdeen	cir., c	cir. m	cr. bcc	c
Malin Head	circ	cid. cbc	bbc	bcc r.
Renfrew	cir., r	c r r m. o r. m.	cr. m. c	cr. c r m.
Inchkeith (Edin.)	cir.	cir	cbcc	c
Leuchars	cir. xc	c r r i r.	cir. c	cir.
Eskdalemuir	circ r. m.	or. dd DD	o DD c r. r.	cr. r c r
Tynemouth	bcc	cir.	cbc	bc
Blacksod Point	o q	i r q	ir	i r o
Aldergrove	c i r.	oir. c	cd. c	i r d.
Donaghadee	r. r. q	cir. c	c	r c r r
Birr Castle	oir. c q q	oc	c	cor.
Holyhead	pr. c, d.	d d. i d.	d d i d m.	R r r
Liverpool (Bidston)	bc pc	bcc	cor.	o
Chester (Sealand)	c	c	c	c
Harrogate	bcc	cir.	cb i r.	bom r.
Spurn Head	cpr	cir.	cbc	bcc
Birmingham	bcc	c	c	c
Cranwell	cir. c	cr. c	cbcm.	bccm.
Gorleston	bcq	bcc u q	or. cbcq	bcc i r. q
Valentia Obs.	c r r r i d.	od. c	oid. i r.	oid. r. r.
Roches Point	orr a i d	oi d.	o f d f d	f d r o a. d.
Pembroke	ciRq	cq. m.	orr m.	o Rr q
Ross-on-Wye	cr	c	bcc	c
Leafield	cir. c	r. c	cbc	cr.
Cardington	c	cp. cbc	bc	bccm.
Winchester	bcm cp r. c	crc	cbcb	bcp r. c
S. Farnborough	w bcc	cp. cbc	bcb, c	c
London (Kew)	cm. w c	c z.	c 3. c	c
Croydon	cbcc	cyc z. p r.	cbc	cp. rc
Manston	bcc	c	cpr	cpr
Shoeburyness	bc pr. bc	bc pr. o r.	cr.	c
Clacton-on-Sea	bc	bcc	cbc 3	bc 3 c
Felixstowe	c w bc	bc r.	c q b c b w	c
Scilly (St. Mary's)	cir	cir d	oir	Rr
Falmouth	oir.	oi d. c	oir q	orr q
Plymouth	ciRq	cirq	cor. q	orcr
Portland Bill	ciR	ciRc	o	cir.
Calshot, S'hampton	c	cprcbc	cbc p r	c
Dungeness	bc	bc		bc
Lympne	bc	bcc	cr. m.	cm. c
Guernsey	corro	oc	oroc	copro

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus,
R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, solar halo. ⊙, lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

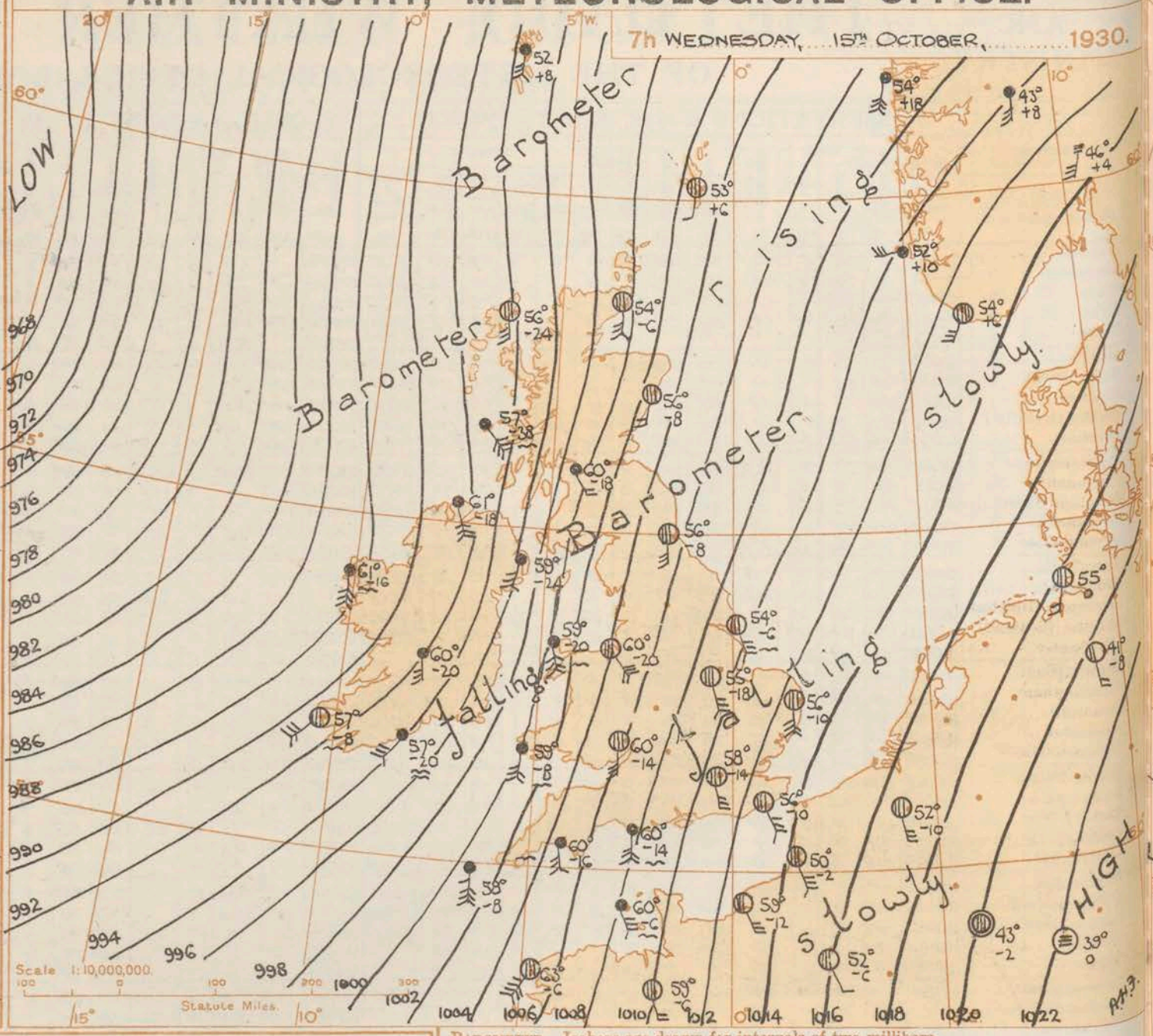
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6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

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 14th OCTOBER 1930.

STATIONS.	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. 9h. 13th to 9h. 14th	TEMPERATURE. Max. 9h.—17h. 14th	RAINFALL. Night, 17h. 13th to 9h. 14th	RAINFALL. Day. 9h.—17h. 14th	SUNSHINE. Sunrise to 17h. 14th	SUNSHINE. Sunrise to Sunset. 13th
Dunbar ...	c	b	sh	61	-	-	2·7	0·0
Berwick-on-T. ...	cr$_0$	c0	s1	62	-	Trace	1·8	0·0
Douglas	cir	qm$_0$	s3	s9	0·5	1	0·0	0·0
Llandudno ...	cd$_0$	d$_0$cbc	ss	67	-	Trace	3·0	1·9
Colwyn Bay ...	0	0r0bc	sh	6h	-	0·3	0·8	0·7
Rhyl	c	cbc	s1	65	-	-	2·2	0·0
Wallasey ...	c	c	h9	62	-	-	0·0	0·3
Southport ...	0c0	0p$_0$0c	s1	61	0·1	Trace	0·2	0·2
Blackpool ...	cp	0	s1	61	-	0·1	0·0	0·0
Morecambe ...	c	bcrp	h9	62	0·3	1	0·1	0·1
Ilkley	cp$_0$	c0	h7	63	Trace	Trace	0·0	0·5
Cleethorpes ...	c0	0r0	h7	63	Trace	0·3	1·8	2·8
Mablethorpe ...	cbccp	bccpc	h7	63	-	0·3	3·3	h·5
Skegness	bc	bc0pr0	hh	62	-	1	3·0	5·6
Aberystwyth ...	bcc	c	sh	63	-	-	0·6	1·h
Bath	cir0	c	s3	63	Trace	Trace	0·5	3·h
Cheltenham .†	cp$_0$	cpc	s3	61	Trace	0·5	0·7	1·9
Leamington Spa	c0	pr$_0$c	s0	62	-	1	1·5	1·6
Lowestoft ...	b	b	h9	60	-	-	h·7	7·1
Dovercourt ...	bc	bcc	s0	62	-	-	7·1	7·2
Maldon	bc	bp$_0$c	h1	67	-	Trace	h·h	5·2
Southend ...	bcb	bcpcm	h9	67	Trace	Trace	3·0	6·9
Ilfracombe ...	0d0	0	sh	66	1	0·3	0·1	0·5
Bude	cbc	c0pr	sh	65	3	0·2	1·6	2·1
St. Ives	0	p	s5	61	7	0·3	0·0	2·8
Penzance ...	c	c	s7	62	2	-	0·2	5·0
Torquay	p$_0$0jp	0rpcb	s6	62	Trace	1	0·3	5·3
Jersey	cbc	pc	s6	6h	-	Trace	0·7	8·3
Weymouth ...	cpc	c	s6	62	-	2	0·0	6·7
Bournemouth ...	0	0c0c	s5	60	-	-	0·2	5·3
Ventnor	bccw	bcccw	sh	62	-	Trace	1·9	7·0
Southsea ...	bcc	cpcbc	sh	63	-	1	1·9	6·5
Bognor Regis ...	bcc	crc	s6	62	Trace	Trace	2·7	6·5
Littlehampton ...	bc	pbc	s6	61	-	Trace	3·5	6·3
Worthing ...	bc	cr$_0$c0	s6	63	-	0·2	h·h	(7·2)
Brighton... ...	bc	bc	s6	63	-	-	h·h	7·3
Eastbourne .†	bcb	bcbc	s5	63	-	-	6·2	7·5
Hastings †	bcbbc	bbcc	sh	63	-	-	5·2	7·5
Folkestone ...	bcbc	bbcc	(s3)	65	Trace	-	7·5	7·8
Dover	bc	bcc	sh	65	-	-	7·8	7·7
Deal	bbc	bbc0	h7	65	-	-	h·9	7·6
Tunbridge Wells	cbc	bcbc	h9	62	-	-	2·0	6·1
Ramsgate ...	bbc	bc	s3	62	-	-	5·3	7·9
Margate	bc	bc	h9	65	-	-	6·2	7·3

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



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

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 15th Oct., 1930.
1. S.E. England 2. E. England... 3. E. Midlands	Wind southeast or south, moderate or fresh; mainly cloudy; perhaps slight occasional rain; mild.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Wind south or southwest, fresh or strong; cloudy; rain or showers; fairer later; mild, but temperature probably decreasing.
8. N.W. England 9. N. Midlands 10. N.E. England	Wind southerly, veering; fresh, strong locally at first; cloudy or dull; some rain; mild.
11. S.E. Scotland	As 14 - 16.
12. S.W. Scotland & Isle of Man 13. A. W. Scotland. B. N.W. Scotland.	Wind southeast or south, veering, fresh, strong locally; cloudy or dull; some rain; mild, becoming somewhat cooler.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Wind southerly, fresh, strong at times; cloudy; rain at times; mild.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind southwesterly, fresh or strong; cloudy, occasional rain or showers; brighter intervals; becoming cooler.

GENERAL INFERENCE.

Secondary disturbances associated with a deep depression south of Iceland will move north-northeast across the western districts of the British Isles. Some rain will occur in most districts and temperature decrease somewhat in the West.

FURTHER OUTLOOK.

Rain at times particularly in the West; somewhat cooler.

"Times of issue of Gale Warnings".

South Cone at 1445 on 12th in 13A, 13B, 17, 20, 18
South Cone at 1930 on 12th in 5, 6, 7, 8, 12, 18, 16
South Cone at 0240 on 14th in 1, 2, 10, 11, 15, 16

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

Forecasts issued at 1015 G.M.T.

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

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

Morning of
Wednesday,
15TH OCTOBER,
1930.

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

15th October 1930.

No. 25164

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

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)
Lerwick	54	1000.1	+16	SSW	3	bc	56	95	8	5	-	-	2.3	2.3	1500
Stornoway	34	997.2	+4	S	3	c	57	95	7	5	-	-	9	9	4000
Wick	81	999.1	+16	SSE	4	bc	59	95	8	8	1	-	4.6	4.6	2500
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	51	997.2	-4	S	5	bc	59	95	7	4	3	-	4.6	4.6	1500
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	1004.6	+8	SW	2	c	60	85	8	8	2	-	2.3	10	1500
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	67	1006.9	+6	SSW	3	bc	58	85	7	8	-	-	4.6	4.6	2500
Blacksod Point	10	993.6	-14	S	5	c	57	95	7	5	-	-	7.8	7.8	2500
Aldergrove	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1005.5	0	S	5	iR	59	95	6	6	-	-	10	10	800
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	29	1010.8	0	SW'S	3	bc	54	95	6	5	1	-	2.3	4.6	2500
Birmingham	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	1012.0	0	S'E	4	bc	53	95	6	-	3	2	0	4.6	-
Gorleston	14	1015.1	0	S	5	bc	58	95	6	-	7	-	0	4.6	-
Valentia Obs.†	30	992.0	-5.0	S	6	ir	60	95	6	6	7	-	9+	9+	800
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke	150	1005.0	0	S	4	9c	59	95	7	5	-	-	9+	9+	1500
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew)	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1014.1	-4	S'E	4	c	60	TS	7	5	7	-	1	9	4000
Manston	155	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1003.0	-2.4	S	7	rr	58	95	6	6	-	-	10	10	2500
Falmouth	200	1007.6	-10	SSE	6	ir	59	95	7	6	-	-	10	10	2500
Plymouth	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	32	1010.6	-10	SSE	5	0	60	85	8	5	-	-	10	10	1500
Calshot, S'hampton	8	1012.9	-6	SE'S	3	c/pr	59	85	7	5	7	-	4.6	10	2500
Dungeness	20	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	347	1015.5	-4	SE'S	3	c	57	85	6	5	7	-	4.6	10	2500
Guernsey	173	1011.8	-22	SSE	4	c	61	85	7	5	-	-	7.8	7.8	2500

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

Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	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)
Lerwick	1002.2	+6	S	1	c	53	95	6	5	2	-	4.6	7.8	450	1	*
Stornoway	993.5	-24	S	3	c	56	95	7	3	-	-	9+	9+	4000	1	2
Wick	998.8	-6	S	4	c/pr	54	95	8	6	2	8	2.3	9	2500	1	3
Tiree	999.7	-3.8	SE	6	rr	57	95	6	5	3	-	9+	10	450	1	4
Nairn	998.6	•	-	0	c	61	85	8	8	-	-	7.8	7.8	2500	0	*
Aberdeen	1002.6	-8	SSW	2	c	56	95	7	5	4	-	7.8	9+	800	1	0
Malin Head	991.8	-18	SSE	6	c/r	61	95	7	5	2	-	9	10	800	1	3
Renfrew	1000.3	-18	SSE	2	ir	60	95	6	5	2	-	4.6	10	1500	1	*
Inchkeith (Edin.)	1002.2	-14	SE	3	c	62	85	8	5	2	-	2.3	9+	800	0	1
Leuchars	1002.2	-14	ESE	2	ir.	58	95	6	6	7	-	4.6	10	1500	1	*
Eskdalemuir	1002.2	-20	SSE	4	rr	55	95	6	6	2	-	10	10	800	1	*
Tynemouth	1005.5	(-8)	S	3	c	56	95	6	6	-	-	7.8	7.8	1500	0	2
Blacksod Point	987.5	-16	S	6	ir.	61	85	8	6	-	-	10	10	220	1	4
Aldergrove	995.3	-30	SSE	6	d.d.	59	95	6	6	-	-	10	10	450	1	*
Donaghadee	997.2	-24	SSW	4	rr	59	95	7	6	2	-	7.8	9	800	1	3
Birr Castle	991.8	-20	S	3	r.r.	60	95	7	5	-	-	10	10	2500	1	*
Holyhead	1001.2	-20	SSE	6	ir.	59	85	7	6	2	-	2.3	10	2500	1	4
Liverpool (Bidston)	1003.5	-20	ESE	5	c	60	85	7	5	2	-	7.8	10	2500	1	*
Chester (Sealand)	1004.8	-18	SE'S	4	ir.	60	85	7	5	2	-	4.6	9+	2500	1	*
Harrogate	1007.2	-10	SE'S	2	rr	56	95	4	5	-	-	10	10	<150	1	*
Spurn Head	1008.6	-6	S'E	4	c	54	95	7	5	-	8	7.8	9+	4000	0	4
Birmingham	1007.5	-12	SSE	3	c	57	85	7	8	2	-	0	9+	-	0	*
Cranwell	1009.0	-18	SE'S	4	c	55	95	6	5	6	-	9+	9+	5700	0	*
Gorleston	1012.2	-10	S	5	c	56	95	6	6	6	-	4.6	9	2500	0	3
Valentia Obs.†	990.3	-8	SW'W	5	c/r	57	95	8	5	2	-	7.8	10	800	1	4
Roches Point	993.7	-20	SW	4	d.d.	57	95	4	5	-	-	10	10	800	1	6
Pembroke	993.7	-8	S	5	RR	59	95	5	6	-	-	10	10	800	2	4
Ross-on-Wye	1007.0	-14	S	3	c/p	60	85	7	6	2	-	1	10	2500	1	*
Leafield	1008.1	-10	SE'S	4	ir.	56	95	7	-	2	-	0	9+	-	1	*
Cardington	1009.5	-16	SSE	3	c	57	85	6	5	7	-	7.8	9+	4000	0	*
Winchester	1008.9	-12	SSE	4	c	58	85	7	7	7	1	4.6	9	4000	1	*
S. Farnborough	1009.4	-18	SSE	3	c	58	85	7	5	8	1	4.6	9	5700	91	*
London (Kew)	1010.5	-14	ESE	2	c	58	85	8	-	7	-	0	9+	-	1	*
Croydon	1010.9	-14	SSE	4	3	58	85	6	-	7	-	0	9	-	0	*
Manston	1012.4	-14	SE	3	c	58	85	8	-	7	-	0	9+	-	0	*
Shoeburyness	1012.0	-10	SE	2	c	56	95	7	5	7	-	2.3	7.8	5700	1	*
Clacton-on-Sea	1012.4	-20	SSE	4	c	58	85	7	5	-	-	7.8	7.8	800	0*	3
Felixstowe	1012.4	-16	SSE	3	c	57	85	8	-	3	1	0	7.8	-	0	2
Scilly (St. Mary's)	1000.3	-8	S	7	r.r.	58	95	6	6	-	-	10	10	2500	1	4
Falmouth	1004.2	-2	S'E	6	rr	58	95	7	6	-	-	10	10	2500	1	4
Plymouth	1005.3	-16	SSE	4	r.r.	60	85	7	6	2	-	7.8	10	2500	1	2
Portland Bill	1007.1	-14	SSE	5	ir	60	85	7	5	-	-	10	10	1500	1	4
Calshot, S'hampton	1005.4	-20	ESE	3	c	59	85	7	5	7	-	4.6	10	2500	0	2
Dungeness	•	•	SSE	5	c	•	•	7	-	7	•	0	7.8	-	•	3
Lympne	1012.7	-10	SE'E	4	c	56	85	7	6	7	-	0	9	-	0	*
Guernsey	1008.7	-6	SSE	4	bc	60	85	6	6	7	-	10	10	1500	1	4

PAST 24 HOURS.

Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 14th Hrs. (36)
Lerwick	54	51	*	1	1	0.1
Stornoway	58	54	*	3	0.3	0.0
Wick	59	54	*	1	0.3	*
Tiree	58	55	53	3	5	0.0
Nairn	60	56	*	-	-	0.0
Aberdeen	55	54	51	02	Tr.	0.2
Malin Head	64	59	*	1	0.6	0.0
Renfrew	61	58	56	5	2	0.0
Inchkeith (Edin.)	61	58	55	01	-	0.3
Leuchars	60	55	46	3	0.1	0.1
Eskdalemuir	57	56	55	8	8	0.0
Tynemouth	59	55	50	01	-	*
Blacksod Point	61	54	*	58	12	*
Aldergrove	62	56	53	(Tr.)	3	0.0
Donaghadee	59	56	*	3	5	*
Birr Castle	64	57	51	05	0.3	0.1
Holyhead	61	58	57	1	10	0.0
Liverpool (Bidston)	62	57	56	Tr.	0.1	0.7
Chester (Sealand)	64	59	55	-	-	0.8
Harrogate	61	55	52	Tr.	04	0.5
Spurn Head	61	54	*	05	-	2.0
Birmingham	61	57	54	03	-	0.6
Cranwell	64	53	49	02	-	1.2
Gorleston	61	56	54	Tr.	0.2	3.7
Valentia Obs.†	60	57	51	3	4	0.2
Roches Point	57	55	*	8	6	*
Pembroke	61	57	*	05	22	0.0
Ross-on-Wye	63	66	56	04	-	0.4
Leafield	61	53	50	04	Tr.	1.1
Cardington	65	56	54	Tr.	-	2.5
Winchester	62	57	54	1	0.1	2.0
S. Farnborough	64	57	48	01	-	2.1
London (Kew)	64	58	49	-	-	0.8
Croydon	65	58	53	Tr.	0.1	1.3
Manston	63	55	52	-	0.2	4.7
Shoeburyness	63	55	54	Tr.	0.1	4.9
Clacton-on-Sea	60	57	54	-	-	5.4
Felixstowe	61	55	54	Tr.	Tr.	7.1
Scilly (St. Mary's)	61	57	*	1	19	0.0
Falmouth	61	58	*	1	4	0.0
Plymouth	63	59	58	06	2	0.0
Portland Bill	61	59	*	1	04	*
Calshot, S'hampton	61	58	56	04	0.1	0.5
Dungeness	63	57	-	-	-	-
Lympne	61	55	52	-	Tr.	6.7
Guernsey	63	60	54	1	0.3	0.7

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew	18	cu,wc	c3	c3,c	64	58	49	-	-	0.8	•	•	7
Croydon	244	cbcc	cyc3,prp	cp,c	65	58	53	Tr.	0.1	1.3	70	78	6
Greenwich (Royal Observatory)	149	c	cp	cp,c	68	57	51	Tr.	Tr.	2.5			
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	1.3	•	•	•
Westminster (St. James' Park)	27	•	•	•	67	57	53	-	-	1.9	66	72	•
Regents Pk. (Botanic Gardens)	168	•	•	•	•	•	•	•	•	1.5	•	•	•
Camden Square	110	c	c	•	66	57	•	-	-	•	At 18h.	76	•
Kensington Palace	80	bccop	co	•	67	58	51	Tr.	-	•	70	77	•
Hampstead Observatory	450	bbcpcp	cpbcw	•	64	55	49	Tr.	Tr.	1.6	•	76	•

FOREIGN OBSERVATIONS.

18h. G.M.T. 14th Oct. — 7h. G.M.T. 15th Oct.

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	1019.1	SSE	1	m	59	1016.6	SE	1	3	52
Brussels	1019.5	SSE	3	b	55	1016.2	SSE	3	c	52
Berlin										
Zürich	1024.8	SE	1	b	48	1024.3	S	1	F-	41
Rome						1022.6	NNE	2	b	57

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
68	50	-	-
66	48	-	-
57	39	-	0.2
	48		-

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0.8	19h 14th	<0.3	0-4h 15th

Kew Observatory. Max.	Time.	Min.	Time.
0.2	20h 14th	<0.1	5h 15th

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at

0	Dense fog	55	yards.
1	Thick fog	220	,,
2	Fog	550	,,
3	Moderate fog	1,100	,,
4	Mist or haze	1¼	miles.
5	Poor visibility	2⅛	,,
6	Moderate ,,	6¼	,,
7	Good ,,	12½	,,
8	Very good ,,	31	,,
9	Excellent ,,	beyond 31m.	

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

16th OCTOBER 1930.

No. 25165

STATIONS. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 15th Oct.														OBSERVATIONS at 18h. G.M.T. 15th Oct.														PAST 24 HOURS.			
									Cloud.																				WEATHER.			
			Wind.						Form.			Amount.					Wind.						Cloud.									
	Barom. at M.S.L. mb.	Change in 3 hours.	Direc.	Force 0-12	Weather.	Temp. °F.	% Humid.	Visibility 0-9	Low	Med.	High	Low 0-10	Total 0-10	Height of Base (feet)	Barom. at M.S.L. mb.	Change in 3 hours.	Direc.	Force 0-12	Weather.	Temp. °F.	% Humid.	Visibility 0-9	Form. Low.	Med.	High.	Amount. Low. 0-10	Total 0-10	Height of Base (feet)	State of Ground. 0-9	Sea. 0-9	7h.–13h. 15th	13h.–18h. 15th	18h. 15th to 1h. 16th	1h.–7h. 16th
	(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)
Lerwick	9999	-10	S	2	O/r	53	95	5	5	-	-	10	10	450	9974	0	SE	4	c	54	95	6	5	2	-	4-6	10	1500	1	•	coirrm.	or.r.o	oir.rm.	orrf
Stornoway	9993	-20	SSE	6	rr	57	95	5	6	-	-	10	10	4000	9983.1	+24	SE	1	w	54	95	7	9	9	-	4-6	9+	4000	1	2	coir	c	obepr	beeor
Wick	9946	-28	SE	6	rr	57	95	7	6	2	-	7-8	10	1500	9940	-12	SE	7	c	56	95	7	8	2	-	9	10	1500	1	4	crr	crc	or.r	or.r.r
Tiree	9995	+2	SSE	6	ir.	58	95	6	6	2	-	9	10	450	9945	+14	SSE	2	c	52	96	7	5	3	-	9	9+	1500	1	2	cir	ciR	c	r.drR
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	9932	•	SW	1	w	63	85	8	8	-	-	7-8	7-8	2500	0	•	cbcc	cubcc	eprbc	bc
Aberdeen	9995	-20	SSE	4	ir	57	95	6	6	7	-	7-8	10	1500	9985	-6	SSE	4	c	57	95	6	5	7	-	4-6	7-8	1600	1	2	corrir.c	cr.r.cbc	orrm.c	cir.
Malin Head	9992.4	+22	W	3	c/r	56	96	7	6	3	-	7-8	9	800	9954.0	+6	S	3	c	58	95	7	5	-	-	9+	9+	1500	1	1	c	Rcbcc	cbcc	cirb
Renfrew	9988.0	-10	S	4	O/r	61	96	7	5	-	-	10	10	1500	9997.6	-2	S	3	ir.	60	95	6	6	-	-	10	10	1500	1	•	cr.m.rrm.	ir.c.qir	r.r.c	cprm.
Inchkeith (Edin.)	9997.7	-20	S	3	c	61	85	8	5	2	-	4-6	10	1600	9986	-6	SSE	3	c	61	85	8	5	2	-	4-6	10	1500	0	1	cir.	c	or.r.ire	oc
Leuchars	9999	-10	SSE	4	c/r	61	85	7	6	2	-	4-6	10	2500	9986	-6	SE	4	c	61	85	7	5	2	-	7-8	10	2500	1	•	cir.r.q.c	cir.c, c	corre	cbcc
Eskdalemuir	10000	-10	S	4	rr	57	95	6	6	-	-	10	10	1500	9984	-10	SE	4	rr	58	95	6	6	-	-	10	10	1500	1	•	orrm.	or.orrm.	oRRr	orepreir.
Tynemouth	1002.0	-12	SSW	3	c	63	75	6	6	-	-	9	9	1500	1000.6	-6	S	2	c	60	85	6	6	-	-	9	9	1500	0	2	bcc.r.	c	coir.	oir.bc
Blacksod Point	992.5	+20	S	6	c	57	85	8	3	6	-	4-6	7-8	2500	9934	+6	S	4	c	55	85	8	3	8	3	4-6	9	1500	0	3	pre	c	pre	pre
Aldergrove	9948	0	SES	4	c/r	60	95	8	5	2	-	9	10	800	9964	+4	SSE	1	c	56	95	8	5	-	-	9+	9+	4000	1	•	od.c.r.c.r.	rc	c	crrc
Donaghadee	9957	-2	SSW	6	ir.	59	95	7	5	-	-	9	9	800	9961	+4	S	2	ir.	57	95	7	6	-	-	9	9	800	1	1	c.ir.q.	cir.	cpr.c.	cbc
Birr Castle	9955	+20	SW	2	c	59	85	8	8	-	-	9+	9+	2500	9959	0	S	1	c	57	85	8	-	3	9	0	7-8	-	1	•	or.r.c	c	corr	orrcbc
Holyhead	10004	-4	SW	5	O/r	60	95	6	5	-	-	10	10	800	9999	-2	SSW	4	ir	58	95	6	6	-	-	10	10	450	1	2	r.r.ir.	id Dm.	rDm.	pr
Liverpool (Bidston)	1001.5	-8	SES	4	c/pr	62	85	7	5	2	-	7-8	10	2500	10003	-6	SE E	4	r.r.	61	95	6	6	-	-	10	10	1500	1	•	rr Pd	pc r.r	ipdR	eebev
Chester (Sealand)	1002.6	-14	SE	5	c/r	64	85	7	5	2	-	4-6	9+	2500	1001.7	-6	SSE	4	r.r.	62	95	6	6	2	-	7-8	10	1500	1	•	ir.c	cd	r.rcm.	cbc
Harrogate	1004.1	-14	SE	3	c/r	60	85	5	5	7	-	7-8	9+	2500	1003.1	-10	SES	3	r.r.	61	95	5	6	2	-	7-8	10	2500	1	•	Ocir	cor.r.	coRR	irob
Spurn Head	1005.8	-10	SW	4	c	58	85	7	6	7	-	7-8	9+	4000	1004.8	-4	S	4	ir.	57	95	7	6	3	-	4-6	10	4000	1	4	bc	cpc	cir.r	c
Birmingham	1005.8	-4	S	4	pr.	63	85	6	6	2	-	7-8	10	2500	1004.3	-2	SSE	3	rr	61	95	7	6	-	-	10	10	1500	1	•	cd.	cir.o	ofrrc	ebc
Cranwell	1006.5	-14	S'E	4	c	61	85	6	5	7	-	4-6	10	4000	1006.3	-2	SSE	4	c	58	95	5	5	2	-	7-8	10	2600	0	•	cpr.m.c	cm.pr.c	cr.r.	cm.bc
Gorleston	1009.6	-14	S	5	c	58	85	6	4	-	-	9+	9+	4000	1008.3	-6	SSE	4	c	59	95	6	4	7	-	4-6	9	4000	0	.3	cq	cq	cq u	cq.o.r.
Valentia Obs.	996.0	+10	S	4	c	58	85	8	5	2	-	7-8	9+	1500	9948	-2	S'E	4	ir.	56	95	7	6	2	-	7-8	10	800	1	3	c.bc	c.ir.	oRRc	cp.c
Roches Point	9972	+14	SW	3	c	57	95	8	3	-	-	7-8	7-8	1500	9979	+2	SW	3	c	54	95	7	5	-	-	9+	9+	1500	1	4	od.c	c	coir	oirbc
Pembroke	9996	+2	SSW	4	r.r.	59	95	6	6	-	-	10	10	800	9992	-2	SSW	4	rr	58	95	6	5	-	-	10	10	800	2	4	orrir	orrm	irifbc	bc.p.c
Ross-on-Wye	10056	-8	S	4	rr	61	95	5	6	2	-	7-8	10	2500	1003.6	-8	S	4	rr	60	95	5	6	-	-	10	10	2500	1	•	r.r.crr	rcoRR	oRRr.r.c	cbc
Leafield	1006.9	-6	S	4	ir.	62	85	8	6	7	4-	4-6	9+	800	1005.2	-6	SSE	4	ir.	58	95	8	6	1	-	7-8	10	1500	1	•	c	cu.	cir.,r.r.	cbc
Cardington	1007.7	-8	S'W	4	c	63	76	7	5	7	-	7-8	9+	5700	1006.5	-8	S'W	3	c	62	95	7	5	7	-	7-8	9+	4000	0	•	cp.c.m.	c	c	orc
Winchester	1008.1	-2	S'E	3	pr.	64	75	7	5	7	-	4-6	9	5700	1006.9	-4	SSE	2	O/r	59	95	8	5	-	-	10	10	2500	1	•	cpr.	cr.cr.	cr.orro	orr
S. Farnborough	1008.5	-2	SSE	3	c	63	75	8	5	7	-	7-8	9+	6700	1007.0	-4	S	2	c	60	85	6	6	7	1	4-6	9+	6700	1	•	c	pc	coir.	r.orbc
London (Kew)	1009.2	-14	SW	3	c	65	65	8	5	9	1	2-3	9	6700	1007.1	-10	S'E	2	c	61	75	6	5	3	8	4-6	9	4000	1	•	c	cbc cz.	bc	cerbc
Croydon	1009.2	-4	SW	4	C	67	65	7	-	7	-	0	9	-	1007.6	-2	SSE	4	z	60	85	6	-	7	1	0	9+	-	0	•	cm.c	cbc.z.	cir.	cr.rrcm.
Manston	1010.6	-10	SSE	3	C	61	85	7	-	7	-	0	9+	-	1008.8	-6	SSE	3	c	60	95	7	-	3	-	0	9	-	0	•	c	c	c	epr
Shoeburyness	1009.8	-10	SSW	4	c	61	85	7	5	7	-	7-8	9+	4000	1008.6	-10	SSW	1	c	59	95	7	5	7	-	7-8	9+	4000	0	•	c	c	c	cr.
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1008.8	-10	SE	3	c	59	85	7	6	6	-	4-6	7-8	800	0	3	c	c	c	cor
Felixstowe	1010.9	-8	S	3	c	60	85	8	5	3	-	4-6	9	7200	1008.8	-14	SSE	3	c	58	85	8	5	3	-	4-6	10	4000	0	1	c	c	c	cor
Scilly (St. Mary's)	1000.1	-4	SSW	5	O	59	95	5	5	-	-	10	10	2500	1000.7	0	SW'S	3	c	56	95	5	8	-	-	7-8	7-8	4000	1	3	rr	orrdf	cfcbc	bc
Falmouth	1003.6	-6	SW	7	rr	60	95	6	6	-	-	10	10	2500	1001.4	-6	SSE	6	rr	58	95	6	6	-	-	10	10	2500	1	3	ORqmo	ORqmo	orcq	bc.p.q
Plymouth	1004.2	-10	SSE	5	ir	61	95	6	6	-	-	10	10	800	1002.7	-10	SSE	5	rr	61	95	6	6	2	-	9	10	220	2	3	cqorrm	corrm.	coRm.	ocm.
Portland Bill	1006.3	-4	S'E	4	ir	60	95	7	5	-	-	10	10	1500	1004.7	-6	SSE	4	RR	60	95	7	5	-	-	10	10	1600	1	4	cir	RR	c	eir
Calshot, S'hampton	1008.5	-10	E'N	3	c	61	85	6	5	7	-	2-3	9	4000	1006.7	-14	SE E	4	c	59	85	6	5	7	-	7-8	10	2600	0	2	cpr.c	cp.c.m.	cm.pr.c	cr.Rr.c
Dungeness	•	•	S	2	C	•	•	7	-	7	•	0	7-8	-	•	•	S	4	bc	•	•	7	-	7	•	0	4-6	-	•	2	bc	bc		o
Lympne	1010.8	-10	SSE	3	c	61	85	7	-	7	-	0	9+	-	1003.3	-2	SES	3	z	60	85	6	-	7	8	0	9	-	0	•	c	cm.	cbccm.	cr.r.oir.
Guernsey	1008.1	-6	SSE	3	O	61	85	7	5	-	-	10	10	2600	1006.3	-6	SSE	3	r.r.	c3	85	7	6	-	-	10	10	1600	1	4	oprp	opr rr	oroR	ocbcb

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

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

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

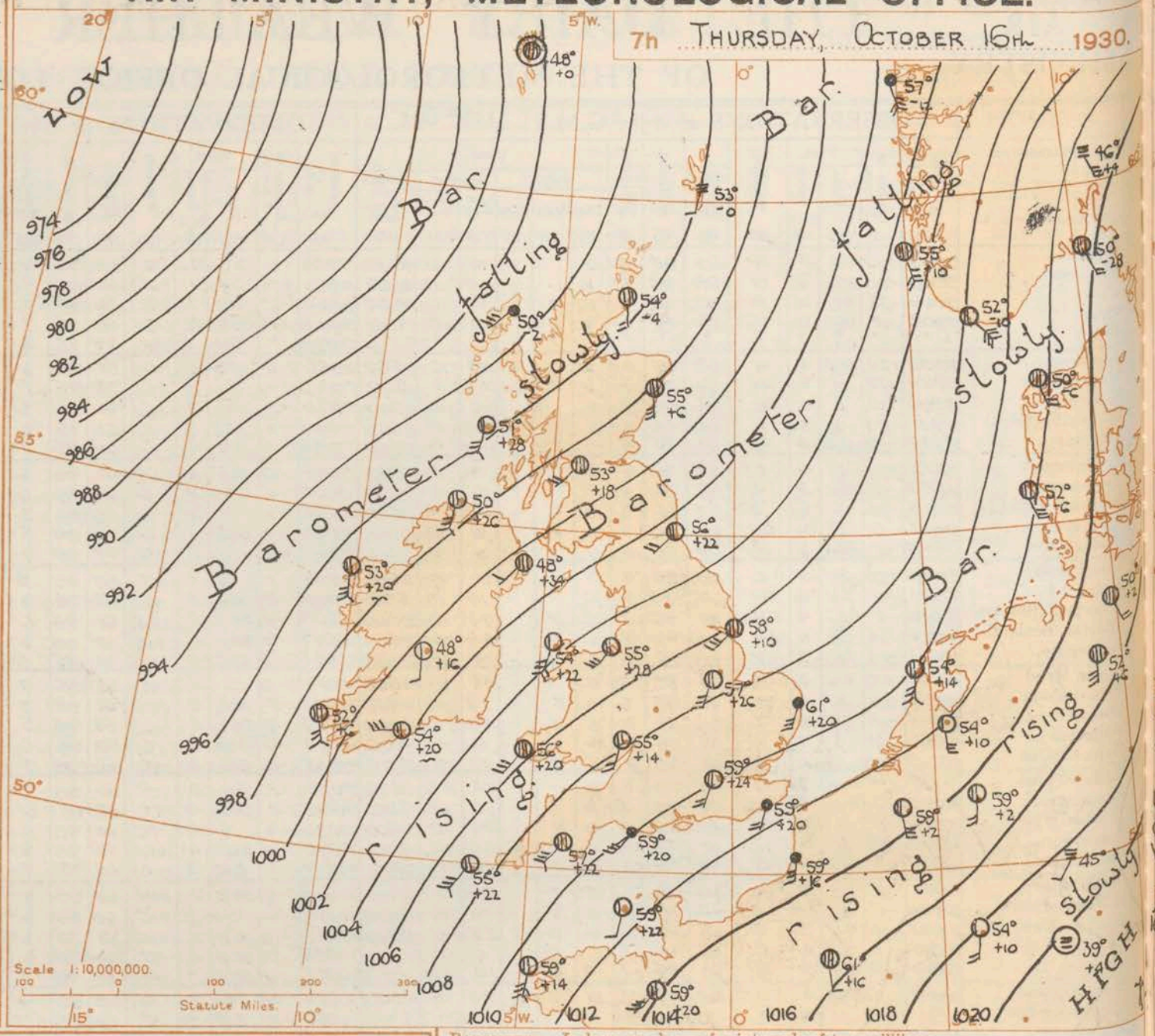
REPORTS from HEALTH RESORTS for 15TH OCTOBER 1930.

STATIONS.	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. 9h. 14th to 9h. 15th	TEMPERATURE. Max. 9h.—17h. 15th	RAINFALL. Night. 17h. 14th to 9h. 15th	RAINFALL. Day. 9h.—17h. 15th	SUNSHINE. Sunrise to 17h. 15th	SUNSHINE. Sunrise to Sunset. 14th
Dunbar ...	c	c	57	66	Trace	-	1·m	2·7
Berwick-on-T. ...	o	o	53	61	0·3	-	0·0	1·8
Douglas	oRm	oRRm	5m	59	18	10	0·0	0·0
Llandudno ...	rocd	d o d	59	65	m	1	0·3	3·0
Colwyn Bay ...	orr	rorr	59	65	m	2	0·2	0·8
Rhyl	cr o c	cm d o	57	67	1	0·1	0·0	2·2
Wallasey ...	c	p c r o	56	6m	-	Trace	0·0	0·0
Southport ...	o c o	orr	58	63	Trace	3	0·0	0·2
Blackpool ...	oro	or	57	62	3	2	0·0	0·0
Morecambe ...	crr	rrcr	56	63	2	6	0·0	0·1
Ilkley	roc	od	53	65	2	1	0·0	0·0
Cleethorpes ...	ov	r o o	5m	63	-	Trace	0·1	1·8
Mablethorpe ...	co	o r o	5m	63	-	0·3	0·0	3·3
Skegness	o	o p r o	?	61	-	Trace	0·0	3·0
Aberystwyth ...	c r r	c r r	60	6m	6	2	0·0	0·6
Bath	c r r o	c r o r o	59	65	Trace	1	0·2	0·5
Cheltenham .†	c p c	c o r r	58	63	Trace	2	0·1	0·7
Leamington Spa	o p r	or	56	65	Trace	0·5	0·0	1·5
Lowestoft ...	t r o c	c b c c	56	62	0·3	-	0·9	m·7
Dovercourt ...	o c.	o c	56	60	-	-	0·0	7·1
Maldon	c	c	56	6m	-	-	0·m	m·m
Southend ...	c z o	o c y	56	62	0·5	-	0·0	3·0
Ilfracombe ...	rr	rr	60	6m	3	10	0·0	0·1
Bude	rr	rr	5m	63	2	6	0·0	1·6
St. Ives	r	p	58	61	30	21	0·0	0·0
Penzance ...	o r d	o r r	58	61	16	10	0·0	0·2
Torquay	c r r R	g c r m	58	61	3	13	0·0	0·m
Jersey	p c	c	57	6m	0·1	-	0·0	0·7
Weymouth ...	c r c p r	r o r o	58	61	0·5	m	0·0	0·0
Bournemouth ...	o d o	o d d	57	61	-	0·5	0·0	0·2
Ventnor	p c o w	o w c p o	58	63	Trace	Trace	0·1	1·2
Southsea ...	p o c	c	58	62	0·2	-	0·2	1·6
Bognor Regis ...	b c c b c	r c b c	57	62	0·5	Trace	1·0	2·7
Littlehampton ...	c b c	b c	58	6m	0·3	-	1·3	3·5
Worthing ...	c	b c c b c	59	6m	0·5	-	2·5	m·m
Brighton	c b c	b c	58	6m	-	-	3·1	m·m
Eastbourne .†	c o c	c b c c	58	63	-	-	2·7	6·2
Hastings .†	c b c c	c b c b	57	6m	-	-	m·m	5·2
Folkestone ...	b b c c	c b c c	55	65	-	-	2·7	7·9
Dover	b c c	c b c	58	65	-	-	1·7	7·8
Deal	c o	o b c	57	6m	-	-	0·7	m·9
Tunbridge Wells	o c	c b c	56	65	-	-	2·m	2·0
Ramsgate ...	c	c b c	57	62	0·2	-	0·5	5·3
Margate	b c c	c b c	57	6m	-	-	0·5	6·2

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h THURSDAY, OCTOBER 16TH 1930.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 16th Oct. 1930.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind south or southwest, moderate or fresh; local showers; bright periods; mild.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland.	Wind southwesterly, moderate or fresh, veering and perhaps stronger later; showers or occasional rain; bright periods; mild today, cooler tomorrow.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	As 1 - 11.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 12 - 13.

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

GENERAL INFERENCE.

A large depression remains centred south of Iceland while pressure is relatively high over Central Europe. Occasional rain or showers will occur, particularly in the West and North, but there will be bright intervals. Conditions will be cooler though still mild.

FURTHER OUTLOOK.

Bright periods; showers; cooler in the North and West.

Forecasts issued at 1000 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2.
Pt.2495/2136. Pt.28. 0.6026. Gp.908. 25210. 11/30.

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

Morning of
Thursday,
16TH OCTOBER,
1930.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55°N
Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

⊙ = Calm.

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

16TH OCTOBER 1930.

No. 25165

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

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. (8)	% 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)
Lerwick	54	995·5	-10	-	0	rr	53	95	6	6	-	-	10	10	800
Stornoway	34	993·3	- 2	SSW	2	c/pr	53	95	6	3	-	-	7-8	7-8	4000
Wick	81	994·6	0	SSW	2	fc	54	95	7	6	-	-	10	10	1500
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	51	993·2	- 8	S	3	c	55	85	7	6	3	-	4-6	9+	1500
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	997·6	- 2	WSW	2	0	59	86	8	5	-	-	10	10	800
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	67	999·5	- 4	S	2	ir	60	95	6	6	-	-	10	10	1500
Blacksod Point	10	994·1	+ 2	S	4	c	58	85	7	3	-	-	7-8	7-8	1500
Aldergrove	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1000·2	+ 2	SSW	4	c	55	95	7	5	-	-	9+	9+	2500
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	29	1002·6	- 6	SSW	4	c/r	57	95	6	3	2	-	7-8	10	4000
Birmingham	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	1003·6	- 2	S	4	c/r	59	95	6	6	-	-	10	10	800
Gorleston	14	1006·2	-14	S	5	c	59	95	6	4	-	-	10	10	2500
Valentia Obs.+	30	999·6	+26	SW	3	bc	?	95	9	2	-	-	2-3	2-3	4000
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke	150	1000·7	+4	SSW	4	q	57	95	7	8	-	-	4-6	4-6	2500
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew)	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1007·2	+ 8	SSW	4	ir	64	95	7	5	2	-	7-8	9	1500
Manston	135	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1004·0	+10	WSW	5	bc	56	95	7	2	-	-	2-3	2-3	4000
Falmouth	200	1004·2	+10	SW'S	6	bc	57	95	7	3	-	-	4-6	4-6	4000
Plymouth	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	32	1005·4	+ 8	SW'S	4	c	60	95	7	5	2	-	7-8	10	1500
Calshot, S'hampton	8	1006·8	+7	SSW	4	c	60	95	7	5	7	-	2-3	7-8	2500
Dungeness	20	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	347	1008·6	+ 2	S	4	z	60	95	6	5	7	-	4-6	9+	2500
Guernsey	173	1007·6	+14	SW	3	o/R	60	95	6	5	-	-	10	10	2500

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

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)
995·5	0	S	1	f	53	95	3	5	-	-	10	10	<150	1	*
992·5	- 2	WSW	4	rr	50	95	7	6	-	-	10	10	4000	2	2
994·3	- 4	S	2	c	54	95	8	5	2	8	7-8	10	2500	1	3
996·0	+28	S'W	4	bc/r	51	95	7	8	3	4	1	2-3	1500	1	2
996·2	•	-	0	bc	54	85	8	2	-	-	4-6	4-6	4000	1	*
997·9	+6	S	3	c	55	95	7	5	4	-	4-6	7-8	800	1	1
997·1	+26	SSW	4	bc	50	95	7	5	8	-	1	2-3	800	1	1
995·2	+18	WSW	2	c/pr	53	95	6	8	-	-	7-8	7-8	1500	1	*
998·2	+9	SSW	3	c	55	85	8	5	2	-	4-6	10	800	0	1
998·8	+4	S	3	c	53	85	7	5	2	-	7-8	9+	2500	1	*
1000·6	+14	S'W	5	ir	53	95	7	6	-	-	10	10	1500	1	*
1002·1	+22	SW	2	bc	56	85	7	2	-	-	4-6	4-6	2500	1	1
996·6	+20	S	4	bc	53	85	8	3	8	-	2-3	4-6	1500	0	4
1001·0	+40	S'E	3	c	49	95	7	5	-	-	9+	9+	800	1	*
1000·6	+34	WSW	1	c	48	95	8	5	1	8	4-6	7-8	2500	1	1
1000·5	+16	S	1	bc	48	95	8	-	4	-	0	Fr 2-3	-	1	*
1004·3	+22	SW'S	5	b	54	95	8	5	-	-	1	1	1500	1	2
1005·6	+28	SW'W	3	bc	55	85	9	6	-	-	4-6	4-6	2500	0	*
1005·9	+32	ESE	1	bc	54	85	7	5	-	-	4-6	4-6	1500	1	*
1005·2	+20	SW'S	3	b	55	85	7	3	-	-	1	1	2500	1	*
1005·6	+10	SW	3	c	58	95	7	-	7	9	0	7-8	-	1	3
1007·9	+20	SSW	3	b	54	95	8	5	-	-	1	1	4000	1	*
1007·5	+26	SW	3	bc	57	95	8	5	9	9	1	2-3	5700	1	*
1008·8	+20	SSW	3	c/r	61	95	6	6	-	-	10	10	1500	1	2
999·3	+6	S'E	4	c/r	52	95	8	5	-	1	7-8	7-8	1500	1	3
1002·1	+20	W	3	bc	54	95	8	3	-	-	2-3	2-3	1500	1	4
1005·0	+20	SW	3	bc	56	85	7	3	-	-	2-3	2-3	1500	1	3
1008·2	+34	SSW	2	bc	55	95	7	6	-	-	4-6	4-6	2500	1	*
1008·0	+20	S	3	b	53	95	8	5	-	-	1	1	4000	1	*
1008·6	+28	SW	4	c	58	85	8	5	6	-	7-8	9	1500	1	*
1009·9	+20	SSW	3	c	57	95	7	5	-	-	9+	9+	1500	1	*
1009·6	+20	SSW	2	pr	57	95	7	5	-	-	9+	9+	2500	1	*
1010·5	+24	SSW	2	bc	59	95	8	8	6	-	4-6	4-6	4000	1	*
1010·6	+18	SW'S	3	c	59	85	7	5	3	-	4-6	7-8	800	1	*
1010·7	+20	SE	2	c/pr	60	95	7	6	2	-	7-8	9+	4000	1	*
1010·3	+10	SSW	2	c	58	95	6	5	1	-	4-6	7-8	4000	1	*
1009·7	+14	S	4	ir	58	95	7	6	1	-	7-8	10	800	0	3
1010·0	+20	SSW	3	ir	59	95	7	6	-	-	9+	9+	1500	1	1
1007·5	+22	SW'S	4	bc	55	95	6	5	-	-	4-6	4-6	2500	0	3
1008·5	+20	SW'S	4	c	56	95	7	3	-	-	7-8	7-8	4000	1	2
1008·8	+22	SW	4	c	57	95	6	5	-	-	9	9	450	1	2
1009·2	+20	SW	3	ir	59	95	7	8	-	-	9	9	1500	1	3
1009·9	+18	SW'S	4	pr	59	95	7	5	6	-	9	10	2500	1	2
•	•	SW	3	c	•	•	6	4	-	•	9+	9+	2500	•	3
1010·8	+20	SW'S	2	ir	59	95	6	5	-	-	10	10	450	1	*
1011·2	+22	SSW	1	b	59	95	7	-	1	-	0	1	-	2	3

PAST 24 HOURS.

Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 1930 Hrs. (36)
56	52	*	3	14	0·0
54	50	*	2	5	0·0
57	53	*	2	6	*
58	50	46	2	6	0·0
66	50	*	-	1	1·1
57	55	52	2	8	0·0
61	49	*	4	3	0·6
62	53	40	3	4	0·0
63	54	51	Tr.	4	0·0
62	52	49	4	6	0·0
58	52	51	17	23	0·0
64	55	49	02	2	*
61	51	*	35	13	*
62	48	45	2	2	0·0
59	47	*	1	1	*
62	47	38	04	8	0·8
61	54	51	3	4	0·0
62	53	48	03	5	0·0
64	52	44	03	2	0·3
62	55	52	2	11	0·0
60	55	*	01	2	0·2
67	54	52	1	4	1·4
62	56	53	Tr.	1	0·1
62	58	57	-	1	0·2
58	50	42	0·5	19	0·7
58	52	*	01	4	*
60	65	*	10	1	0·0
63	55	51	10	7	0·0
63	52	50	04	1	1·0
68	58	56	Tr.	04	0·6
65	56	55	01	1	1·2
65	57	53	Tr.	3	1·3
67	58	55	-	4	1·6
63	55	55	Tr.	3	1·3
60	58	56	-	2	2·6
62	57	55	-	1	0·8
60	54	*	3	Tr	0·0
60	56	*	16	0·6	0·0
62	57	56	10	3	0·0
62	58	*	4	1	*
62	59	57	Tr.	3	0·0
68	59	*	-	0·3	*
64	59	55	-	0·6	2·7
63	59	54	03	9	0·0

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h. To-day.
Kew	18	c	cbcc2	bccrbc	67	58	55	-	1	1·6	•	•	7
Croydon	244	cm c	cbc2	cir rrcm	67	59	56	-	2	2·6	•	•	8
Greenwich (Royal Observatory)	149	c	c ⊕	cprcb	70	58	52	-	Tr	1·9	72	83	6
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	0·8	•	•	•
Westminster (St. James' Park)	27	•	•	•	69	60	55	/		1·2	67	81	•
Regents Pk. (Botanic Gardens)	168	•	•	•	•	•	•	•	•	0·8	•	•	•
Camden Square	110	c	c	•	67	59	*	-	1	•	•	82	•
Kensington Palace	80	c	cbc	•	67	59	52	-	1	•	At 18h. 80	82	•
Hampstead Observatory	450	bcm	bcc	•	66	55	50	-	1	1·2	•	84	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·6	8 and 19h 15th	<0·3	0-6h 16th

Kew Observatory. Max.	Time.	Min.	Time.
0·1	18h 15th	<0·1	0-4h 16th

FOREIGN OBSERVATIONS.

18h. G.M.T. 15th Oct.

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1011·9	ENE	1	z	66
Brussels	1012·6	SSE	4	c	61
Berlin					
Zürich	1021·2	S	1	b	54
Rome	1021·0	W	2	b	63

7h. G.M.T. 16th Oct.

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1015·4	SSE	1	c	61
1013·8	SSE	3	bc	59
1018·9	SSE	1	m	50
1022·6	NE	1	F	41
1022·0	NNE	1	b	61

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
72	59	-	Tr
		-	-
	48		-
61	39	-	0·2

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 „	12½ „
8 Very good „	31 „
9 Excellent „	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 17th October 1930.

No. 25166

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

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)
Lerwick	997.8	+12	WSW	4	bc	56	85	8	8	3	-	2-3	2-3	2500
Stornoway ...	997.3	+12	SSW	6	bc	55	85	8	8	-	-	4-6	4-6	4000
Wick	999.8	+30	SW	4	bc	57	85	8	1	-	-	2-3	2-3	4000
Tiree	999.9	+8	S'E	6	c	54	85	8	5	1	-	1	9+	1500
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1003.7	+26	SW	3	b	61	65	8	1	-	-	Tr	Tr	2500
Malin Head ...	999.9	+6	SSE	4	c	55	75	8	6	1	-	2-3	9+	1500
Renfrew	1004.6	+14	SW	2	c	57	75	7	8	-	-	7-8	7-8	2500
Inchkeith (Edin.)	1004.5	+24	SW	3	bc	59	65	8	1	6	-	2-3	4-6	4000
Leuchars	1004.5	+22	SW	3	bc	59	68	8	2	-	-	4-6	4-6	2500
Eskdalemuir ...	1005.7	+14	SSW	6	c/pr$_o$	55	75	8	8	-	-	7-8	7-8	1500
Tynemouth ...	1006.8	+6	SW	5	bc	61	65	7	1	-	-	4-6	4-6	2500
Blacksod Point ...	997.2	-10	S	4	bc	53	75	8	3	7	3	2-3	4-6	1500
Aldergrove ...	1002.4	-2	SSE	4	c	56	65	8	8	-	6	1	7-8	2500
Donaghadee ...	1003.4	+6	SSW	3	bc	59	75	8	7	3	-	4-6	4-6	4000
Birr Castle ...	1000.6	-12	S	4	rr	56	75	7	6	-	-	10	10	2500
Holyhead	1006.3	+2	S	5	bc	59	85	8	5	-	1	2-3	2-3	1500
Liverpool (Bidston)	1007.6	0	S	3	bc	62	65	9	1	-	-	4-6	4-6	4000
Chester (Sealand)	1008.5	+2	S'E	4	bc	64	65	8	1	-	-	4-6	4-6	4000
Harrogate... ...	1006.6	+14	S'W	4	b	59	65	7	2	-	-	1	1	4000
Spurn Head ...	1010.3	+4	WSW	4	bc	64	75	7	2	2	-	2-3	4-6	4000
Birmingham ...	1010.1	+2	SSW	4	c	61	75	8	5	-	-	7-8	7-8	4000
Cranwell	1010.7	+10	SW'S	4	bc	61	75	8	2	-	-	2-3	2-3	2500
Gorleston	1013.8	+12	SW'S	4	bc	66	75	6	7	-	-	4-6	4-6	4000
Valentia Obs. ...	998.8	-6	S'W	3	c	55	85	8	5	7	-	2-3	7-8	1500
Roches Point ...	999.6	-26	SW	6	ir	56	95	7	6	-	-	9	9	1500
Pembroke... ...	1006.5	0	S	4	bc	58	95	7	8	-	-	4-6	4-6	2500
Ross-on-Wye ...	1010.0	+6	S'W	4	c	62	65	8	5	-	-	7-8	7-8	4000
Leafield	1010.6	+4	SSW	4	b	63	65	9	1	-	-	1	1	2500
Cardington ...	1011.5	+6	SSW	4	bc	67	85	8	1	-	-	4-6	4-6	4000
Winchester ...	1012.1	+2	SW'S	4	c	64	75	8	7	-	-	7-8	7-8	2500
S. Farnborough ...	1012.2	+6	SSW	4	bc	65	75	8	1	-	-	2-3	2-3	2500
London (Kew) ...	1012.9	0	SSW	3	bc	64	75	8	1	-	-	2-3	2-3	2500
Croydon	1012.9	+6	SW	4	bc	65	65	8	1	-	-	4-6	4-6	2500
Manston	1013.7	+8	S	3	bc	65	75	8	1	-	-	4-6	4-6	2500
Shoeburyness ...	1013.6	+6	SW	3	bc	67	75	8	7	-	-	4-6	4-6	2500
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe ...	1013.3	+10	SSW	3	b	64	75	9	1	-	-	1	1	4000
Scilly (St. Mary's)	1006.9	-10	SSW	6	c	60	95	6	5	-	-	9	9	2500
Falmouth... ...	1009.6	0	S	6	c	58	95	6	5	-	-	7-8	7-8	4000
Plymouth... ...	1010.6	+2	S	4	0	59	95	6	5	-	-	10	10	450
Portland Bill ...	1012.0	+4	SW	4	bc	60	95	8	8	4	-	4-6	4-6	2500
Calshot, S'hampton	1012.9	+6	SSW	5	bc	62	85	7	7	-	-	4-6	4-6	2500
Dungeness ...	*	*	SW	2	bc	*	*	7	4	-	*	4-6	4-6	2500
Lympne	1014.4	+18	SSW	5	bc	64	75	8	1	-	-	4-6	4-6	1500
Guernsey	1013.1	+2	S	3	b	65	75	8	-	-	-	-	-	-

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

STATIONS.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	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)
Lerwick	1003.2	+20	SW	2	b	57	95	7	1	-	-	Tr	Tr	2500	0	*
Stornoway ...	997.9	-2	S	3	pr$_o$	58	85	7	8	8	-	7-8	9+	4000	1	2
Wick	1002.0	+6	SSW	3	c	54	85	8	8	-	8	4-6	7-8	1500	0	2
Tiree	997.3	-22	SE	6	c	54	95	7	5	2	-	9	10	1500	0	4
Nairn	1001.8	*	SW	1	bc	52	75	8	2	8	-	2-3	4-6	4000	0	*
Aberdeen	1005.1	+2	SSE	4	b	54	85	7	5	-	5	Tr	1	4000	1	1
Malin Head ...	996.8	-2	S	4	c	56	75	7	5	3	-	7-8	7-8	1500	0	1
Renfrew	1003.7	-10	S	4	ir$_o$	55	85	6	6	2	-	7-8	10	1500	1	*
Inchkeith (Edin.)	1004.9	0	SSW	3	bc	55	75	8	5	4	8	2-3	4-6	1500	0	1
Leuchars	1005.4	+6	SE	2	bc	52	75	8	1	3	4	1	2-3	2500	1	*
Eskdalemuir ...	1005.6	-6	S	1	bc	49	85	8	4	3	1	2-3	4-6	2500	1	*
Tynemouth ...	1007.9	-6	S	3	bc	57	75	6	8	-	-	4-6	4-6	2500	0	2
Blacksod Point ...	998.2	+16	S	4	pr	52	75	8	3	-	-	7-8	7-8	1500	1	4
Aldergrove ...	999.8	-18	SSE	4	rr	55	95	7	6	-	-	10	10	800	1	*
Donaghadee ...	999.9	-12	S'W	5	ir$_o$	56	95	6	5	-	-	9	9	800	1	3
Birr Castle ...	1000.7	+14	S	1	cu	53	95	8	9	-	8	7-8	9	2500	1	*
Holyhead... ...	1004.4	-18	S'E	6	ir$_o$	58	95	6	6	2	-	4-6	10	1500	1	3
Liverpool (Bidston)	1007.0	-2	SE	4	c	59	75	7	6	-	-	9	9	1500	0	*
Chester (Sealand)	1008.3	0	SSE	4	c	59	85	7	5	3	-	4-6	7-8	2500	0	*
Harrogate... ...	1009.3	0	S'E	2	b	56	75	5	-	3	-	-	1	-	1	*
Spurn Head ...	1010.0	0	SSW	4	bc	57	85	7	4	2	-	1	4-6	4000	0	2
Birmingham ...	1010.7	+4	SSE	3	c	58	85	7	4	3	-	1	7-8	2500	0	*
Cranwell	1011.5	+6	SSE	2	b	54	85	8	-	3	-	-	1	-	1	*
Gorleston	1013.9	+4	SSW	3	bc	59	95	6	-	1	-	-	2-3	-	0	2
Valentia Obs. ...	1001.1	+18	S'W	3	bc	52	85	8	2	3	-	2-3	2-3	1500	1	2
Roches Point ...	1002.4	+14	W	3	c	54	95	7	3	-	-	9	9	1500	1	5
Pembroke... ...	1004.7	-8	S	5	q	59	95	6	6	-	-	10	10	800	1	4
Ross-on-Wye ...	1010.0	0	S	3	c	59	85	7	7	4	-	4-6	7-8	4000	1	*
Leafield	1012.0	+6	S'E	4	bc	55	95	7	5	-	-	2-3	2-3	4000	0	*
Cardington ...	1012.8	+12	S'W	3	bc	56	85	8	7	-	-	2-3	2-3	4000	0	*
Winchester ...	1013.2	+6	SE	1	c	58	95	7	5	-	-	7-8	7-8	2500	0	*
S. Farnborough ...	1013.2	+6	S	2	b	58	95	8	5	-	-	1	1	4000	1	*
London (Kew) ...	1014.2	+10	SSW	2	b	59	85	8	1	-	-	Tr	Tr	2500	0	*
Croydon	1014.3	+14	S	1	3	58	85	6	-	3	-	-	1	-	1	*
Manston	1014.8	+8	SSW	3	b	56	95	8	1	-	-	Tr	Tr	2500	0	*
Shoeburyness ...	1014.9	+12	SW	1	b	55	95	7	-	-	-	-	-	-	0	*
Clacton-on-Sea ...	1014.8	0	SSW	4	b	58	85	7	-	-	-	-	-	-	0	2
Felixstowe ...	1015.9	+20	SSW	3	b	58	85	8	-	-	-	-	-	-	0	2
Scilly (St. Mary's)	1005.0	-10	S	6	r$_o$r$_o$	58	95	6	6	-	-	10	10	2500	0	4
Falmouth... ...	1008.1	-10	S	7	c	58	95	6	5	3	-	7-8	10	4000	0	4
Plymouth... ...	1010.1	0	S	5	c	59	95	7	5	-	-	9+	9+	450	1	2
Portland Bill ...	1011.6	-2	S'E	4	bc	60	95	8	5	-	-	2-3	2-3	1500	0	3
Calshot, S'hampton	1013.1	-2	SE	3	b	59	85	7	5	-	-	Tr	Tr	2500	0	1
Dungeness ...	*	*	S	2	bc	*	*	7	7	-	*	2-3	2-3	4000	*	2
Lympne	1015.6	+8	SE	2	3	56	95	6	7	-	-	1	1	4000	0	*
Guernsey	1013.1	+2	S	2	b	61	85	7	-	-	-	-	-	-	1	3

PAST 24 HOURS.

STATIONS. (For heights see p. 4.)	Weather. 7h.–13h. 16th (37)	Weather. 13h.–18h. 16th (38)	Weather. 18h. 16th to 1h. 17th (39)	Weather. 1h.–7h. 17th (40)
Lerwick	fcbc	bcb	bccor$_o$r$_o$	orrcbc
Stornoway ...	bcpr$_o$	cpr$_o$	oR	bc
Wick	bbc	bcc	corr	orrbc
Tiree	bcc	c	cirbc	bcpr
Nairn	bc	bccbc	bccpr	cpr$_o$
Aberdeen	bcb	b	bccr$_o$rq	cbcb
Malin Head ...	bbcc	c	cbcb	bbccir$_o$c
Renfrew	cm$_o$c	cbccr$_o$	rrRre	cr$_o$bcc
Inchkeith (Edin.)	cbf	bcpr	bccr$_o$r$_o$rr	orrrbc
Leuchars	cr$_o$bc	bcbbc	bccrr	cr$_o$bc
Eskdalemuir ...	cpr$_o$c	cbc	bcorR	crrc
Tynemouth ...	bcq	bcq	bc	bc
Blacksod Point ...	prbc	pr	bc	c
Aldergrove ...	cbcbbcc	cr$_o$r$_o$rr	orrbcb	bbccw
Donaghadee ...	bc	cir$_o$q	cr$_o$r$_o$	ir$_o$c
Birr Castle ...	bccor	orrcc	cbcb	bxbccrc
Holyhead... ...	bbcb	bbc pr$_o$c	rKqRRc	bcm$_o$c
Liverpool (Bidston)	bcv	bvbcv	bcoR	Rbcm
Chester (Sealand)	bc	bc	cir$_o$m$_o$	qRffc
Harrogate... ...	b	b	b	pbcb
Spurn Head ...	cbc	bc	bcw	bcw
Birmingham ...	bc	bcc	cbc	bcodm
Cranwell	bbc	bcb	bbw	bwbc
Gorleston	or$_o$r$_o$cbc	bc	bcbw	bwbc
Valentia Obs. ...	cirrrqc	cbcb	bbc	bccp$_o$
Roches Point ...	bccir	circ	cbcb	bbccir$_o$
Pembroke... ...	bc	bcr$_o$q	oRrq	bcc
Ross-on-Wye ...	bcc	bc	bc	bcc
Leafield	bc	bc	bbc	cid$_o$
Cardington ...	cbc	bc	bcb	bwm$_o$
Winchester ...	c	cbc	bcb	bbc
S. Farnborough ...	cp$_o$bbc	bcv bcb	wbb	bw
London (Kew) ...	b cbc	bcb	bw	bw
Croydon	cbc	bcb$_3$ow	bm$_o$w	bm$_o$w
Manston	cbc	bcb	bw	bcbm$_o$
Shoeburyness ...	cm$_o$bc	bcb	b	bf
Clacton-on-Sea ...	orcbc	bcb	be	bbce
Felixstowe ...	cr$_o$bc	bv	bw	bwbm$_o$
Scilly (St. Mary's)	bcc	cp$_o$	orrbc	c
Falmouth... ...	bccm$_o$q	cm$_o$q	com$_o$Rqbc	bc o F
Plymouth... ...	cm$_o$bo	bcm$_o$c	cor$_o$q	or$_o$bc
Portland Bill ...	circ	bc	bbc	bc
Calshot, S'hampton	cbc	bcbw	bw	bbcw
Dungeness ...	b	b		c
Lympne	or$_o$m$_o$cbc	bbwr	bwbcm$_o$	bcwocm$_o$
Guernsey	bbcb	b	bw	bbccw

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus,
R, heavy rain. r$_o$, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, solar halo. ☾, lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

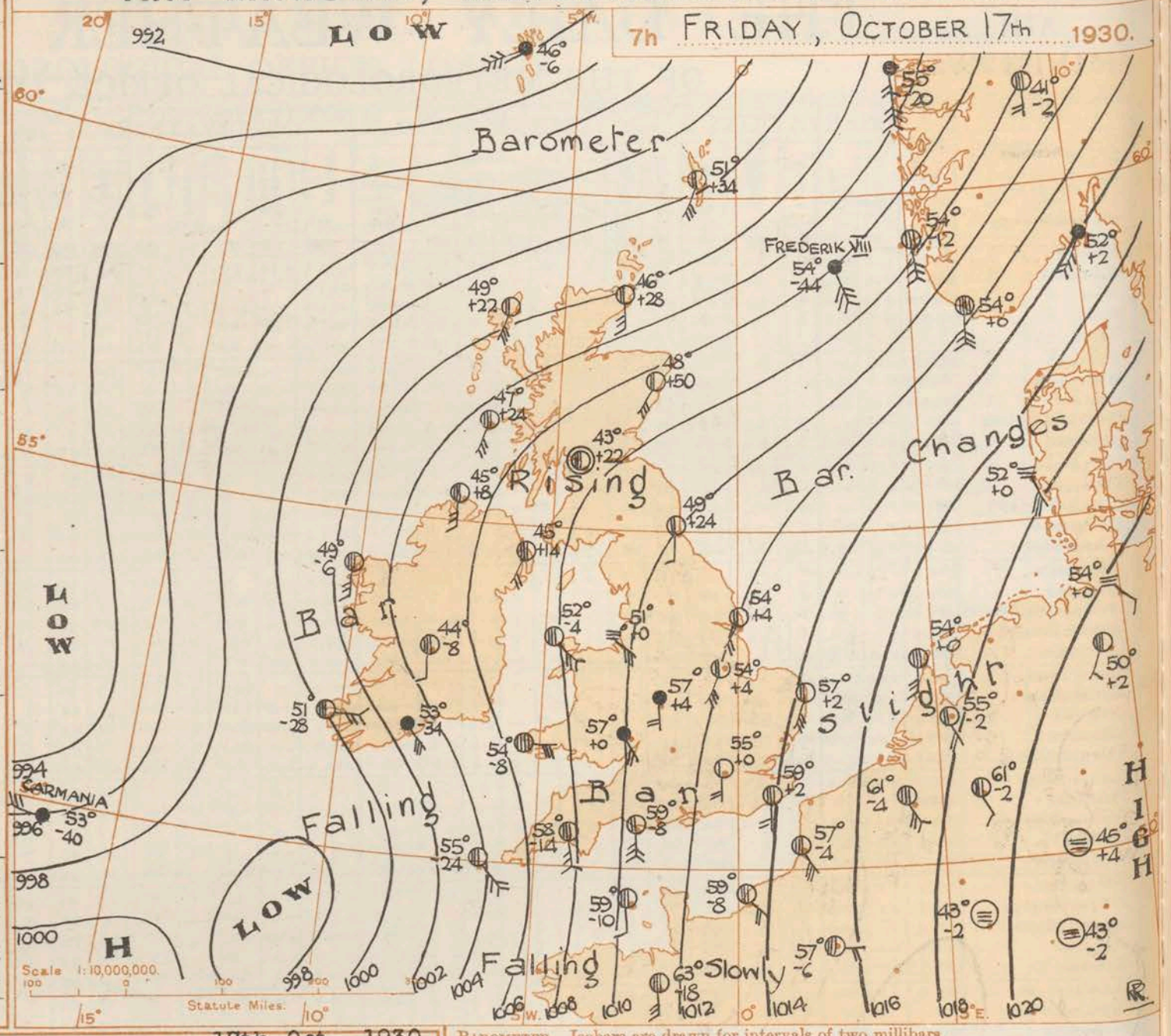
REPORTS from HEALTH RESORTS for 16th October 1930.

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 15th to 9h. 16th	Temperature. Max. 9h.—17h. 16th	Rainfall. Night. 17h. 15th to 9h. 16th	Rainfall. Day. 9h.—17h. 16th	Sunshine. Sunrise to 17h. 16th	Sunshine. Sunrise to Sunset. 15th
Dunbar ...	bc	b	54	61	9	-	8·9	1·4
Berwick-on-T. ...	bc	bc	54	61	9	-	8·5	0·0
Douglas	bc	bcb	51	58	4	-	7·6	0·0
Llandudno ...	b	bbc	55	64	11	-	8·4	0·3
Colwyn Bay ...	bcb	bcbo	54	64	6	-	8·2	0·2
Rhyl	bcb	bbcc	55	64	1	-	6·2	0·0
Wallasey ...	cbcb	bbcc	54	66	3	-	6·8	0·0
Southport ...	bbcb	bbccb	53	66	5	-	8·6	0·0
Blackpool ...	bcb	bcc	55	64	11	-	7·3	0·0
Morecambe ...	b	b	54	63	16	-	7·9	0·0
Ilkley	b	b	53	61	7	-	6·6	0·0
Cleethorpes ...	cbv	b	57	65	3	-	8·5	0·1
Mablethorpe ...	bc	bcb	57	64	2	-	8·2	0·0
Skegness... ...	ob	bbc	?	64	-	- ?	~~7·1~~	0·0
Aberystwyth ...	ccrbc	bcc	55	63	5	-	7·1	0·0
Bath	cbcb	bbc	56	65	2	-	6·5	0·2
Cheltenham .†	bcb	bbcc	54	64	2	-	8·3	0·1
Leamington Spa	bc	bbc	55	66	2	-	7·8	0·0
Lowestoft ...	oirc	b	58	67	1	-	6·7	0·9
Dovercourt ...	rbc	b	56	67	1	-	7·6	0·0
Maldon	cb	b	59	68	1	-	7·4	0·4
Southend ...	bmbc	bcb	58	70	1	-	6·5	0·0
Ilfracombe ...	b	bbcc	56	63	5	-	5·2	0·0
Bude	wbc	bc	54	64	2	-	8·4	0·0
St. Ives	c	o	54	60	0·5	-	2·2	0·0
Penzance ...	bc	c	55	60	1	-	2·3	0·0
Torquay	OR	bccb	58	63	12	-	6·7	0·0
Jersey	rcbccb	bc	60	66	1	-	9·8	0·0
Weymouth ...	cb	b	58	65	2	-	7·6	0·0
Bournemouth ...	b	b	57	64	1	-	9·0	0·0
Ventnor	rb	b	58	65	4	-	8·8	0·1
Southsea ...	cbcb	bcb	59	66	5	-	5·2	0·2
Bognor Regis ...	b	b	59	64	4	-	9·2	1·0
Littlehampton ...	bc	bc	58	63	-	-	9·2	1·3
Worthing ...	bbc	bbc	59	66	3	-	8·2	2·5
Brighton... ...	bbcb	b	59	64	2	-	7·0	3·1
Eastbourne .†	cbc	bccb	60	66	2	-	6·9	2·7
Hastings. †	mbcb	b	58	65	1	-	7·3	4·4
Folkestone ...	cbc	bccbc	59	67	0·2	-	6·2	2·7
Dover	cbc	bcb	60	65	1	-	5·6	1·7
Deal	cb	b	60	67	0·3	-	6·9	0·7
Tunbridge Wells	b	bbcb	58	65	2	-	8·6	2·4
Ramsgate ...	bc	bcb	59	66	0·2	-	6·7	0·5
Margate... ...	bcb	b	60	69	Trace	-	7·3	0·5

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h FRIDAY, OCTOBER 17th 1930.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with the wind. Number of feathers indicate Beaufort force. Calm. = ⊙
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :—
○ Clear sky. ◔ Sky less than 1/10 clouded. ◑ Sky 1/10 to 1/5 clouded. ◕ Sky 1/5 to 1/2 clouded. ● Overcast sky.
● Rain falling. ✳ Snow. ▲ Hail. ≡ Fog. ≡° Mist. ⊤ Thunder. ⊼ Thunderstorm.
SEA DISTURBANCE. ~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 17th Oct, 1930.
1. S.E. England 2. E. England... 3. E. Midlands	Wind southeast or south, moderate or fresh; fair today; perhaps some rain later; mild.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind southeast or south, fresh or strong, veering later; cloudy; some rain; probably cooler tomorrow.
9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind southeast or south, moderate or fresh; cloudy; probably some rain later; mild, or moderate temperature.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Wind southeast or south, moderate or fresh, strong at times; bright intervals at first; probably some rain later; moderate temperature, or mild.
17. N.W. Ireland 18. N.E. Ireland	Wind southeasterly, fresh, perhaps strong at times, veering; cloudy; some rain; moderate temperature.
19. S.E. Ireland 20. S.W. Ireland	Wind becoming southwesterly, fresh or strong; cloudy; some rain or showers; moderate temperature.

GENERAL INFERENCE.

A depression west of Ireland tends to move southeastwards while a secondary depression south of Ireland is likely to move north or northeast and to cause some rain in most districts.

FURTHER OUTLOOK.

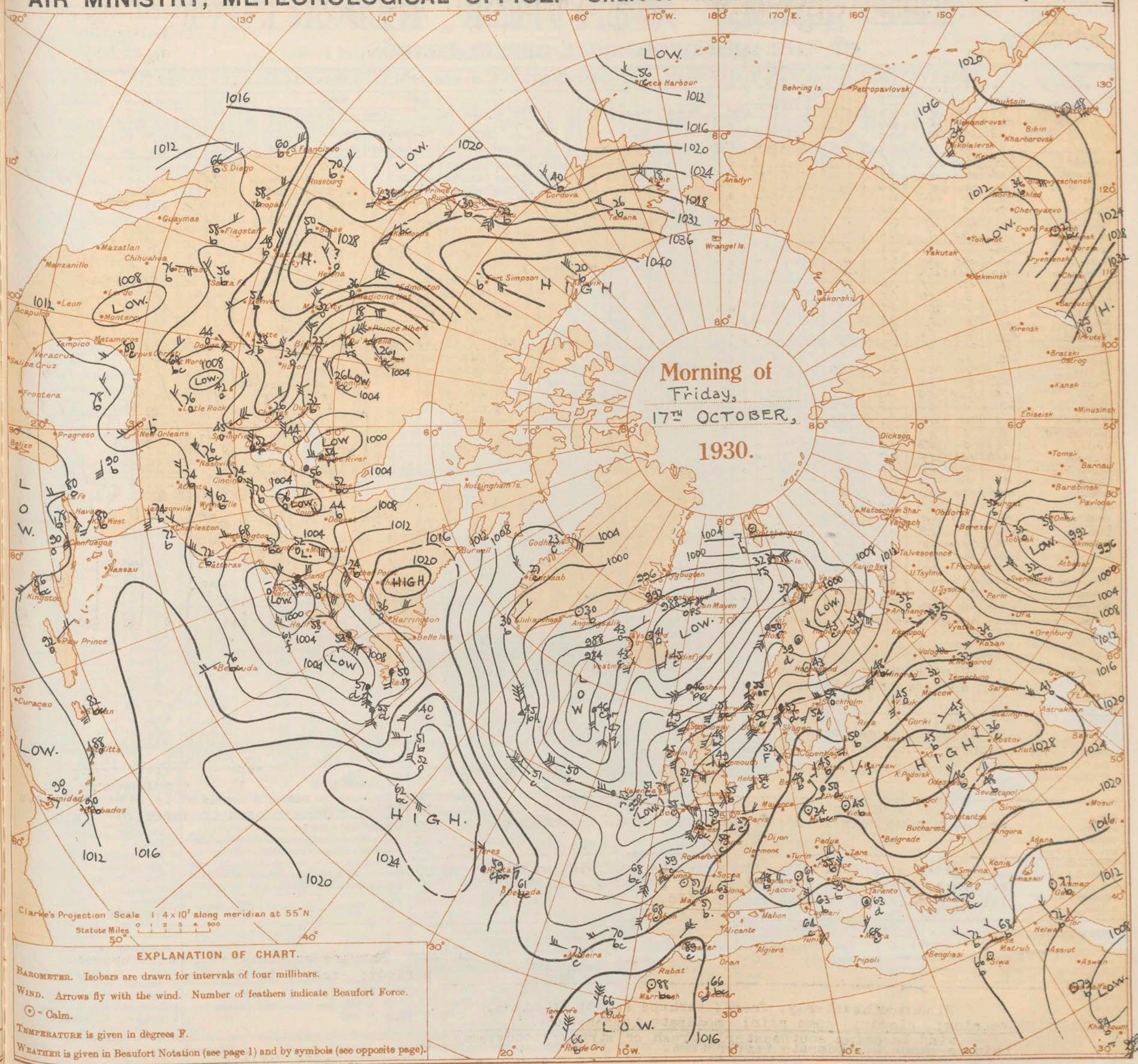
Showers or occasional rain; bright periods; cooler in the West.

Forecasts issued at 1020 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2.
Pz.2485/2136. Wt.26. D.6026. Gp.908. 2[illegible]

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

⊙ = Calm.

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 17th October 1930.

No. 25.166

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

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)
Lerwick	54	999.8	-20	S	3	r.c	53	95	7	6	-	-	10	10	1500
Stornoway ...	34	996.9	+16	SSE	3	c	50	95	7	9	-	-	10	10	4000
Wick	81	997.0	-28	S	8	r	53	95	7	6	-	-	10	10	1500
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head ...	51	1001.3	+22	SSW	4	b	49	85	8	5	-	-	1	1	2500
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	1002.6	-18	WSW	3	r.c	53	95	8	6	-	-	10	10	800
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir ...	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth ...	67	1005.6	-8	S	3	bc	57	85	7	8	-	-	4-6	4-6	2500
Blacksod Point ...	10	1002.5	+182	S	3	bc	51	75	8	-	7	-	0	4-6	-
Aldergrove ...	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee ...	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle ...	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead... ...	26	1006.2	+14	SW	4	bc	53	95	6	5	-	-	4-6	4-6	1500
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate... ...	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head ...	29	1003.3	-4	S'W	5	bc	55	95	7	-	1	-	0	2.3	-
Birmingham ...	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	1003.9	-8	SSE	4	b	53	95	7	-	3	-	0	1	-
Gorleston	14	1014.4	-4	S	4	b	58	95	7	-	-	-	0	0	-
Valentia Obs.† ...	30	1004.7	+26	S	2	b	51	85	9	4	-	-	Tr	Tr	4000
Roches Point ...	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke... ...	150	1007.1	+24	WSW	3	c	53	95	8	5	-	-	9+	9+	2500
Ross-on-Wye ...	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington ...	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester ...	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew) ...	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1013.6	-2	S	3	z	57	95	6	-	-	-	0	0	-
Manston	135	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness ...	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea ...	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe ...	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1009.1	+20	W	2	c	53	95	8	5	-	-	9	9	2500
Falmouth... ...	200	1009.5	+14	W'S	1	bc	55	95	8	5	-	-	2-3	2-3	4000
Plymouth... ...	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill ...	32	1011.0	-4	S	5	bc	60	95	8	4	4	-	2-3	2-3	2500
Calshot, S'hampton	8	1012.5	-2	S	4	b	59	85	7	-	3	-	0	Tr	-
Dungeness ...	20	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	347	1014.7	-6	S'W	3	z	57	95	6	5	3	-	4-6	4-6	4000
Guernsey	173	1012.7	-4	S	2	b	58	85	7	-	-	-	0	0	-

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

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	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)
999.0	+34	SSW	3	bc	51	95	7	5	7	-	2-3	4-6	1500	1	*
1001.7	+22	SSW	3	bc	49	95	8	9	-	-	4-6	4-6	4000	1	2
1002.0	+28	S	3	bc	46	95	8	5	-	8	2-3	4-6	2500	1	3
1004.5	+24	S'W	3	c	47	85	8	7	-	2	2-3	7-8	2500	1	1
1003.6	•	WSW	2	bc	47	85	8	8	8	-	2-3	4-6	4000	1	*
1007.1	+50	SW	3	bc	48	85	8	-	4	-	0	2-3	-	1	1
1004.4	+8	S	3	c	45	86	8	5	3	-	4-6	7-8	4000	0	1
1007.9	+22	-	0	z	43	95	5	6	9	1	1	7-8	1500	1	*
1007.3	+18	WSW	3	c	49	85	8	1	1	-	1	7-8	4000	1	1
1007.7	+28	SW	3	bc	45	95	8	5	-	1	4-6	4-6	5700	1	*
1009.1	+20	-	0	c	44	95	7	5	4	-	9	9+	1500	1	*
1009.5	+24	S	1	bc	49	95	7	1	-	1	2-3	2-3	4000	0	1
1002.5	-6	S	3	c	49	85	8	-	3	-	0	10	-	0	3
1006.3	+4	ESE	2	c	44	95	8	-	1	-	0	9+	-	1	*
1006.9	+14	SW	2	c	45	95	8	7	3	-	4-6	7-8	4000	1	1
1005.2	-8	S	1	c	44	95	8	8	-	-	9+	9+	2500	1	*
1007.8	-4	ESE	4	c	52	95	9	5	3	1	2-3	9+	800	1	1
1005.0	0	ESE	3	m	51	95	4	5	-	5	4-6	4-6	1500	1	*
1005.5	+4	SSE	2	F	47	95	1	-	-	-	10	10	<150	1	*
1010.6	+14	S	1	b	47	95	9	-	-	1	0	Tr	-	1	*
1011.0	+4	SW'S	2	bc	54	95	6	4	2	9	2-3	4-6	4000	0	2
1009.8	+4	S	2	dd	57	95	4	5	-	-	10	10	800	1	*
1010.7	+4	S'W	3	bc	54	95	7	-	3	4	0	2-3	-	1	*
1013.6	+2	S'W	3	bc	57	95	6	-	3	-	0	2-3	-	0	2
1008.0	-28	E	4	c	51	85	9	5	2	-	7-8	10	2500	1	2
1002.6	-34	SE	3	r.c	53	95	7	6	-	-	9	9	1500	1	3
1006.3	-8	E	3	c	54	85	8	5	-	-	10	10	2500	1	3
1008.7	0	SE	2	id.	57	95	6	6	-	9	7-8	9	800	1	*
1010.4	0	S'E	4	c/d	56	95	8	5	-	-	9+	9+	800	1	*
1011.6	+4	S'W	2	b	53	95	6	5	-	-	1	1	2500	1	*
1011.8	-2	SE'S	1	bc	53	95	7	1	3	-	2-3	4-6	1500	1	*
1012.0	-2	SSE	2	b	55	95	7	5	3	-	1	1	5700	1	*
1012.5	0	S'E	2	b	55	95	7	7	-	-	1	1	4000	1	*
1012.0	-2	S'E	3	z	55	95	5	5	-	-	1	1	800	1	*
1013.9	0	S	3	b	57	95	5	-	3	-	0	1	-	0	*
1013.6	0	S	1	f	53	95	3	5	-	-	Tr	Tr	5700	1	*
1013.5	0	SSE	4	bc	58	95	7	5	-	-	2-3	2-3	800	0	3
1014.1	+2	S'W	3	z	57	95	5	-	3	-	0	1	-	1	1
1003.8	-24	SE'E	5	c	55	95	7	5	-	-	9+	9+	4000	1	3
1006.6	-20	S'E	5	F+	56	95	0	-	-	-	10	10	<150	1	3
1007.7	-14	S	4	bc	58	95	7	6	-	2	1	4-6	450	1	2
1009.6	-8	S	5	bc	59	95	7	4	4	-	2-3	4-6	2500	1	3
1011.6	-10	SE	3	c	58	95	6	1	9	-	Tr	7-8	4000	0	2
•	•	S	2	bc	•	•	6	-	7	•	0	4-6	-	•	2
1014.1	+2	S	2	z	59	95	5	5	6	-	7-8	7-8	450	1	*
1011.2	-10	S	1	c	59	95	7	5	4	-	4-6	7-8	2500	0	3

PAST 24 HOURS.

Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 16h Hrs. (36)
57	51	*	-	8	5.3
56	47	*	0.5	4	3.9
58	45	*	-	2	*
55	47	40	-	1	4.4
57	43	*	-	0.5	6.1
62	48	41	-	2	8.8
56	44	*	-	0.5	3.6
60	41	31	0.2	13	6.9
61	49	45	1	3	8.2
61	42	32	0.4	4	7.5
56	44	37	0.1	19	4.3
62	49	40	-	0.3	*
54	49	*	.8	0.3	*
58	42	31	1	3	4.6
59	43	*	1	5	*
57	42	29	3	0.3	2.2
60	51	46	0.5	15	7.7
62	50	44	-	5	6.8
65	45	42	-	2	5.7
62	46	41	-	0.2	8.7
60	45	43	*	-	Tr	8.4
62	55	53	-	1	7.0
65	52	47	-	Tr	7.0
67	55	53	0.1	0.1	6.3
57	45	35	8	0.5	4.3
57	45	*	5	3	*
59	52	*	0.1	6	4.2
64	56	53	-	-	6.2
64	52	50	-	0.3	4.2
67	52	48	-	Tr	5.9
65	52	47	-	-	5.0
66	53	45	0.1	0.1	7.4
65	52	42	-	0.1	7.4
67	55	48	-	Tr	6.7
68	50	39	-	Tr	7.2
64	57	52	0.1	-	7.6
65	54	50	Tr	-	7.1
60	51	*	Tr	2	4.1
59	52	*	-	1	3.3
65	53	46	-	Tr	6.8
68	50	39	-	Tr	7.2
64	57	52	0.1	-	7.6
65	54	50	Tr	-	7.1
60	51	*	Tr	2	4.1
59	52	*	-	1	3.3
61	56	55	-	0.4	3.3
62	58	*	Tr	-	*
64	57	53	-	Tr	8.2
65	61	*	-	Tr	*
65	55	51	Tr	0.1	6.9
66	58	53	-	-	9.7

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
KEW	18	bc.c	bcb	bw	65	52	42	-	0.1	7.4	•	•	7
CROYDON	244	cbc	bcb2sw	bmw	67	55	48	-	Tr	6.7	•	•	6
GREENWICH (Royal Observatory) ...	149	bc	bcb	bwc	70	53	43	-	Tr	6.5	69	92	6
CITY (Bunhill Row)	—	•	•	•	•	•	•	•	•	6.3	•	•	•
WESTMINSTER (St. James' Park) ...	27	•	•	•	69	56	48	-	-	6.3	64	85	•
REGENT'S PK. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	•	4.8	•	•	•
CAMDEN SQUARE	113	c	cb	•	65	56	*	-	Tr	•	•	93	•
KENSINGTON PALACE	80	corbc	bc	•	69	56	45	-	0.1	•	At 18h. 88	91	•
HAMPSTEAD OBSERVATORY	450	bcb	b	•	65	53	44	-	0.1	5.7	•	91	•

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	21h 16m	0.3	2-4h 17th

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0.1	19h 16m	<0.1	7-12h 16th

FOREIGN OBSERVATIONS.

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

STATIONS.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1017.5	S	1	bc	64
BRUSSELS	1017.4	SSW	2	b	59
BERLIN					
ZURICH	1022.3	SE	1	b	54
ROME					

7h. G.M.T. 17th October

STATIONS.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1015.9	E	2	c	57
BRUSSELS	1016.2	SSE	4	c	61
BERLIN	1021.2	SSE	1	m	48
ZURICH	1022.7	SE	1	F	43
ROME	1021.4	NNE	3	b	59

Past 24 Hours.

STATIONS.	Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
PARIS	70	55	-	-
BRUSSELS	66	57	Tr	-
BERLIN		46		-
ZURICH	66	43	-	0.2
ROME		52		-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 18th October 1930.

No. 25.167

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

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)
Lerwick	1006.4	+2.4	SW	8	c	53	75	8	2	3	7	Tr.	7-8	2500
Stornoway	1003.1	-6	SSE	3	c	52	95	8	4	-	-	9+	9+	4000
Wick	1005.8	-10	SW	3	0	52	85	8	5	-	8	7-8	10	2500
Tiree	1002.4	-3.4	ESE	4	c	50	85	8	5	1	-	9	10	1500
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1008.0	-8	SSE	3	c	51	85	7	-	7	-	0	10	-
Malin Head	999.3	-4.6	ESE	4	ir$_o$	50	75	7	6	2	-	7-8	10	1500
Renfrew	1004.5	-3.8	ENE	2	2	50	95	5	5	-	-	10	10	5700
Inchkeith (Edin.)	1006.7	-1.4	ESE	2	c	52	85	8	5	2	-	4-6	10	1500
Leuchars	1007.6	-1.8	ESE	2	c	51	85	8	-	7	-	0	10	-
Eskdalemuir	1004.9	-3.6	ENE	3	ir$_o$	52	75	7	5	2	-	7-8	10	1500
Tynemouth	1007.1	-2.4	ESE	2	c	64	85	8	4	-	-	9	9	4000
Blacksod Point	999.6	-6.4	ESE	6	iR	49	85	7	6	-	-	10	10	<150
Aldergrove	998.2	-7.0	E'N	4	rr	52	85	6	6	2	-	7-8	10	1500
Donaghadee	1000.1	-3.0	SE	6	r$_o$r$_o$	53	85	6	5	-	-	9	9	1500
Birr Castle	999.6	-6.8	S	3	c	54	95	7	6	2	-	7-8	9+	2500
Holyhead	1000.9	-5.2	SSE	6	c	61	85	8	5	7	-	1	9+	2500
Liverpool (Bidston)	1002.7	-2.8	ESE	6	bc	62	75	7	5	1	-	2-3	4-6	1500
Chester (Sealand)	1004.3	-4.2	SE'S	5	c	63	85	7	2	7	-	7-8	9	1500
Harrogate	1007.3	-1.4	SE	1	$\frac{c}{s}$	53	96	3	5	-	-	10	10	<150
Spurn Head	1007.8	-6	SSE	4	c	57	95	7	4	7	9	4-6	9+	4000
Birmingham	1005.9	-2.0	SE	4	pr$_o$	60	85	7	6	2	-	4-6	10	2500
Cranwell	1007.4	-3.4	SSE	4	c/pr	62	85	6	5	3	-	9	10	2500
Gorleston	1010.8	-2.4	SE'S	3	c	59	95	6	5	8	-	4-6	7-8	1500
Valentia Obs.	998.0	-7.0	S'E	5	bc	59	76	8	8	-	1	4-6	4-6	2500
Roches Point	999.4	-4.6	W	4	ir$_o$	56	95	7	6	-	-	7-8	7-8	1500
Pembroke	999.9	-3.4	SSE	4	c	61	75	7	5	-	-	9+	9+	1500
Ross-on-Wye	1004.4	-2.8	SE	3	c	63	75	8	5	3	8	4-6	9	4000
Leafield	1006.1	-3.0	SE	4	ir	57	75	8	6	2	-	7-8	10	800
Cardington	1007.4	-3.4	ESE	3	0	63	85	6	5	-	-	10	10	1500
Winchester	1006.3	-3.8	SE'E	3	0/r	59	95	6	5	-	-	10	10	800
S. Farnborough	1006.9	-3.6	SSE	3	r$_o$r$_o$	63	95	6	5	-	-	10	10	800
London (Kew)	1007.3	-4.0	SW	4	c	67	75	6	7	-	-	7-8	7-8	2600
Croydon	1008.0	-3.6	SE'S	4	bc	68	75	7	5	7	-	2-3	4-6	1500
Manston	1009.7	-3.4	SE	3	c	64	85	7	5	-	-	9+	9+	4000
Shoeburyness	1009.3	-3.4	SE	3	c	63	95	6	5	-	-	9	9	4000
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	1010.4	-2.8	ESE	3	2	61	85	5	5	2	-	7-8	9	4000
Scilly (St. Mary's)	998.2	-2.0	S'E	6	ir	57	95	6	6	-	-	10	10	2500
Falmouth	1001.6	-2.6	SE	7	bc	60	85	8	5	-	9	4-6	4-6	4000
Plymouth	1003.1	-2.6	SSE	6	b	63	85	8	6	-	5	Tr.	1	1500
Portland Bill	1005.3	-3.0	SE	4	0	59	95	7	5	-	-	10	10	1500
Calshot, S'hampton	1006.7	-3.6	SE'E	4	c	60	95	6	5	2	-	7-8	10	450
Dungeness	*	*	SE	3	2	*	*	6	4	-	*	9	9	4000
Lympne	1009.9	-2.8	SE'E	4	2	62	95	5	5	-	-	9+	9+	4000
Guernsey	1006.8	-2.4	SSE	3	2	61	95	5	5	-	-	10	10	1500

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

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)
Lerwick	1005.4	-8	S'E	2	c	50	95	7	5	2	-	4-6	10	1500	0	*
Stornoway	996.4	-3.4	ESE	6	rr	47	95	6	3	-	-	10	10	4000	1	4
Wick	1001.2	-3.0	SSE	4	ir$_o$	52	95	8	6	-	-	10	10	1500	0	3
Tiree	998.8	-1.0	ESE	6	o/r	53	95	6	6	-	-	10	10	450	1	4
Nairn	997.4	*	E	2	r$_o$r$_o$	48	95	7	6	-	-	7-8	7-8	1500	1	*
Aberdeen	1000.1	-6.0	ESE	5	c/r	52	95	6	6	7	-	4-6	10	800	1	1
Malin Head	996.0	-6.6	SSE	6	c	55	85	7	5	9	-	4-6	7-8	1500	1	3
Renfrew	995.0	-5.2	E	3	c/r	54	95	4	5	2	-	7-8	10	1500	1	*
Inchkeith (Edin.)	997.6	-5.0	ESE	4	c	53	95	7	5	2	-	4-6	10	800	1	2
Leuchars	998.6	-6.0	ESE	4	c	64	95	5	6	2	-	9	10	800	1	*
Eskdalemuir	996.7	-4.6	SSE	4	0	55	85	6	5	-	-	10	10	1500	1	*
Tynemouth	1000.6	-3.6	SE	3	0	56	95	7	6	-	-	10	10	1500	0	3
Blacksod Point	993.4	-4.0	SE	4	PR	52	95	7	9	-	-	9+	9+	220	1	4
Aldergrove	998.2	-3.0	SE'S	4	c/r	56	85	6	9	7	-	7-8	7-8	800	1	*
Donaghadee	999.0	-3.4	SSE	6	rr	56	95	6	6	-	-	9	9	800	1	4
Birr Castle	996.6	-2.8	S	5	bc/r$_o$	55	75	8	3	-	-	4-6	4-6	2500	1	*
Holyhead	997.4	-2.2	SSW	5	ir	57	95	6	6	2	-	7-8	9	800	1	2
Liverpool (Bidston)	996.6	-3.2	ESE	5	c	60	85	5	5	1	-	7-8	10	1500	0	*
Chester (Sealand)	998.1	-3.8	SE	4	c	61	85	7	5	3	-	7-8	7-8	2500	0	*
Harrogate	1000.7	-3.0	SSE	2	0	58	95	5	5	-	-	10	10	2500	1	*
Spurn Head	1002.1	-2.0	S'E	5	c	57	95	6	6	3	-	2-3	9	2500	1	3
Birmingham	1001.7	-1.8	SSE	4	bc	59	95	6	5	3	-	Tr.	2-3	450 800	1	*
Cranwell	1002.8	-2.2	S	4	c/p	62	95	5	6	-	-	9+	9+	800	1	*
Gorleston	1006.7	-2.0	S'E	5	c	60	85	6	8	8	-	4-6	7-8	2500	0	3
Valentia Obs.	986.7	+5.0	WSW	8	pr$_o$	50	75	7	5	-	-	10	10	1500	1	5
Roches Point	999.2	-2.0	W	5	rr	55	95	7	6	-	-	7-8	7-8	1500	1	6
Pembroke	999.9	-1.6	SSE	5	q	58	85	7	5	-	-	7-8	7-8	1500	1	3
Ross-on-Wye	1000.6	-2.0	S'E	4	dd	60	95	6	6	2	-	9	10	1500	1	*
Leafield	1002.5	-1.0	S	5	bc	57	95	8	6	-	-	2-3	2-3	4000	1	*
Cardington	1004.2	-0.6	S	4	b	61	85	7	5	-	-	1	1	2500	1	*
Winchester	1004.2	-0.8	SSE	3	bc	59	95	7	5	-	-	4-6	4-6	800	1	*
S. Farnborough	1005.0	-0.8	S	3	bc	61	95	6	6	4	-	2-3	2-3	1500	1	*
London (Kew)	1005.8	-0.2	S	2	bc	62	85	7	5	-	-	4-6	4-6	2500	1	*
Croydon	1006.5	0	S	4	z	62	85	6	5	7	-	1	2-3	1500	1	*
Manston	1007.1	-0.6	SE	3	bc	62	85	8	5	-	-	4-6	4-6	2500	0	*
Shoeburyness	1006.4	-1.4	S	3	bc	62	95	7	8	-	-	2-3	2-3	4000	0	*
Clacton-on-Sea	1006.5	-1.4	SE	5	c	61	95	7	5	-	-	7-8	7-8	800	0	3
Felixstowe	1006.5	-1.4	SSE	4	c	61	85	7	5	-	-	7-8	7-8	2500	0	3
Scilly (St. Mary's)	997.8	-0.8	SSW	7	c	57	85	6	8	8	8	4-6	7-8	4000	1	4
Falmouth	999.6	0	S	7	bc	58	95	7	2	3	-	4-6	4-6	4000	1	4
Plymouth	1001.6	+0.6	SSW	5	ir	58	85	6	6	-	-	9+	9+	800	1	3
Portland Bill	1003.1	-0.6	S	6	RR	58	95	6	5	-	-	10	10	1500	1	4
Calshot, S'hampton	1004.7	-1.0	SE'S	5	b/r$_o$	61	85	7	5	-	-	1	1	2500	0	3
Dungeness	*	*	S	4	bc	*	*	7	7	-	*	4-6	4-6	5700	*	3
Lympne	1007.5	0	S	3	z	62	86	6	5	-	-	4-6	4-6	4000	0	*
Guernsey	1004.6	-0.4	S	4	0	64	85	7	5	-	-	10	10	2500 25	1	4

PAST 24 HOURS. WEATHER.

STATIONS. (For heights see p. 4.)	7h.—13h. 17th (37)	13h.—18h. 17th (38)	18h. 17th to 1h. 18th (39)	1h.—7h. 18th (40)
Lerwick	bcc	c	orr	orrc
Stornoway	bc	corr	bc ir$_o$	bc ir$_o$
Wick	bc	co ir$_o$	o R r	R r bc
Tiree	c	co R R$_{gg}$	o R c	ir. pr
Nairn	bcc	c r$_o$ r$_o$	r r o c	c$_q$ bc
Aberdeen	bcc	c ir$_o$ c	c r$_o$ r r c	c ir$_o$
Malin Head	c	c R R bc	c b c c q ir$_o$	c$_q$ ir$_o$ bc
Renfrew	c m$_o$	c r$_o$ c R R r$_o$	c m r c$_o$	c p r$_q$
Inchkeith (Edin.)	c	o r r c	o ir c b c	b ir$_o$ c
Leuchars	bc w c m$_o$ c	c r$_o$ c m$_o$	c p r c R c bc	b c b c
Eskdalemuir	c ir$_o$	c	c m$_q$ R c r r	c p r
Tynemouth	bcc	co ir$_o$	o b c q$_1$ p$_o$	bc
Blacksod Point	ir	p r c	p r c	p r$_q$
Aldergrove	c m r r$_c$	c r r o m$_{pq}$	c m. bc	bc
Donaghadee	r r$_o$ q$_1$	c r r$_q$	p$_o$ r c$_q$	c b c
Birr Castle	co ir c	co r$_o$ c p$_{qq}$	c p$_o$ q$_1$	c p$_o$
Holyhead	c	c, p r$_o$ r$_o$	p r P R$_q$	b c c$_q$
Liverpool (Bidston)	bc m o r	bc o z$_o$	p$_o$ d c c	c b c b
Chester (Sealand)	Reid, c m$_o$	c b c	c r P R	bc
Harrogate	bc f ir	fc o i r$_o$	o c r$_o$ r$_o$ q$_1$	b c b
Spurn Head	bcc	c r e p r	c b c q	b c w
Birmingham	o d c	c p r$_o$ c	o r r c p r$_o$	c p r$_o$ b
Cranwell	c o m p r$_o$	o i r i r$_o$ m$_o$	c p$_o$ q p c	b c m b
Gorleston	b c c m m$_o$	c p r$_o$ b c	b c b b o r$_o$	o c r c
Valentia Obs.	c i r b c	b c c p$_o$	c p$_o$ c p b c	b c c p b c
Roches Point	c i R c i r$_o$	c i r	c i r b c	b c c i r
Pembroke	c q	c i R q	c P b c	b c P
Ross-on-Wye	p o c	c b c c d	d i r$_o$ o c	c b c
Leafield	c i r$_o$	c i r	b c P R c	b c P R c
Cardington	b b c c r	o c p$_o$ c b c	b o P R C	c$_q$ b c b
Winchester	c o r r o m$_q$	c m$_o$ c m r	b c c o r r o	o p r$_o$ b c b
S. Farnborough	b w o m c r r	c i r$_o$ o b c	b o R b c	b c b w
London (Kew)	b w l c z$_o$	c p r b c	b c c R p	b w
Croydon	b b c p r$_{qq}$	b c c r$_o$ m$_q$	c R R$_q$ b c	c b c
Manston	b a n c p r c	c	c P R c r r b c	b c w
Shoeburyness	b f e o j e m$_o$	c p r$_o$ b c	b c p r$_o$	b c
Clacton-on-Sea	b c e f c	c	c b c	b c c b c
Felixstowe	b f c m$_o$	c m p r b c	c b c r	c b c
Scilly (St. Mary's)	c o i r	o i r b c	c b c p	b c p$_o$
Falmouth	O F b c$_q$	b c c r r$_q$	b e i r q$_1$	b c$_q$
Plymouth	c b$_q$	o q d m c r	c b$_q$	c b
Portland Bill	b c l o	o c o	o R o b c	b c
Calshot, S'hampton	b$_c$, o r r R m	c m$_q$ b c m$_o$	b, b c c p$_o$ r c	b c p r$_o$
Dungeness	o	o		b
Lympne	c r m$_o$	c b c m$_o$	b c o R R m$_o$	c r. r. b c
Guernsey	c i d$_o$ o	o c b c o	o q p r c	b c q b c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

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

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

<, less than (for cloud height).

⊕, solar halo. ☾, lunar halo.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29.—STATE OF GROUND.

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

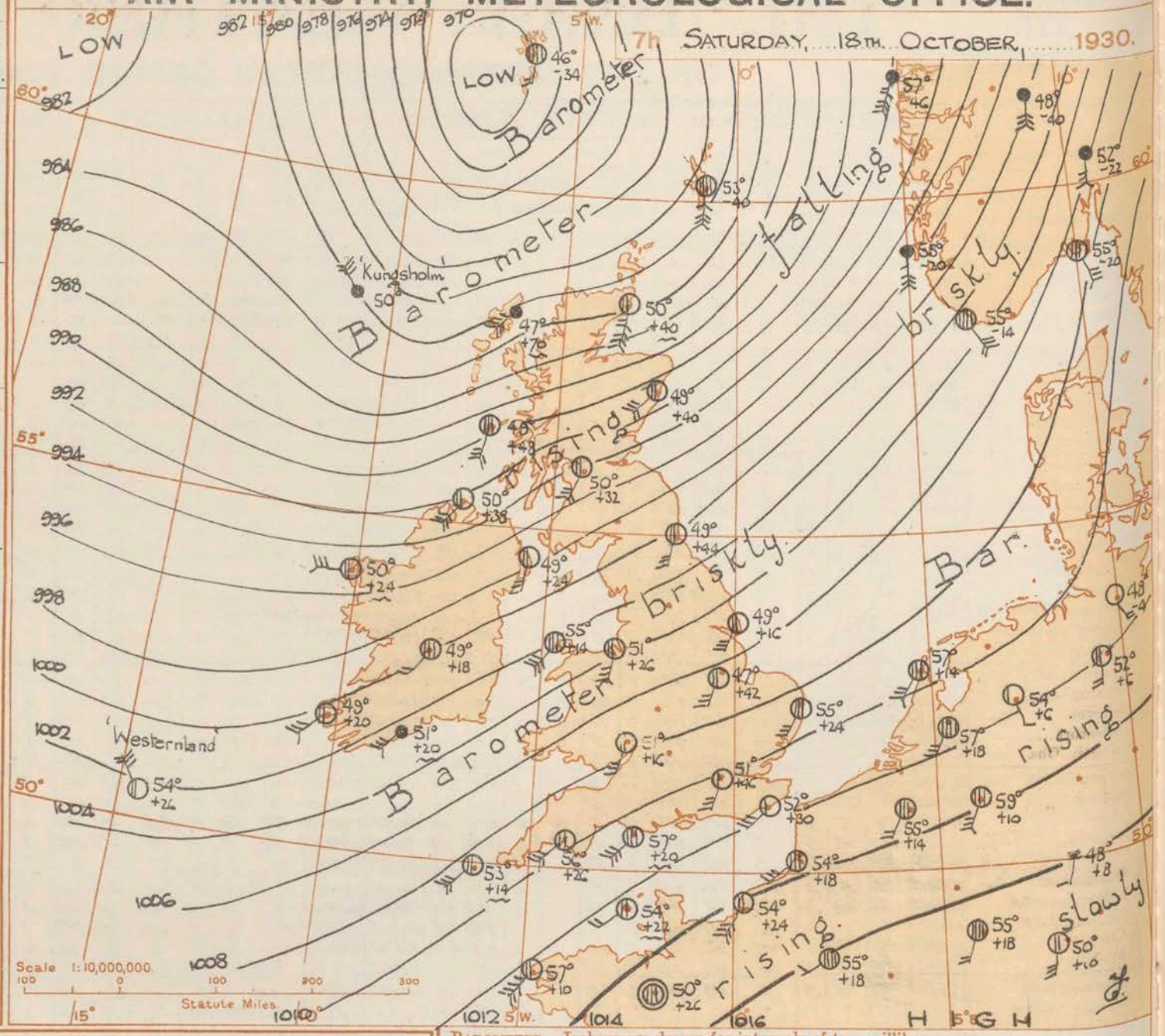
REPORTS from HEALTH RESORTS for 17h October 1930.

STATIONS.	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. 9h. 16th to 9h. 17th	TEMPERATURE. Max. 9h.—17h. 17th	RAINFALL. Night. 17h. 16th to 9h. 17th	RAINFALL. Day. 9h.—17h. 17th	SUNSHINE. Sunrise to 17h. 17th	SUNSHINE. Sunrise to Sunset 16th.
Dunbar ...	c	cpm.	47	54	2	0.3	1.1	8.9
Berwick-on-T. ...	bc	co	48	55	–	–	2.3	8.5
Douglas	cbco	coiro	47	58	19	0.5	0.0	7.6
Llandudno ...	c	c	48	66	9	–	2.7	8.4
Colwyn Bay ...	o	obcb	47	66	11	–	4.5	8.2
Rhyl	cbc	bc	47	65	5	–	2.7	6.2
Wallasey ...	cbc	bcbc	49	64	6	–	2.4	6.8
Southport ...	oco	coco	46	64	5	–	1.1	8.6
Blackpool ...	c	c	47	63	5	–	0.0	7.3
Morecambe ...	rrcbc	c	47	63	6	–	0.1	7.9
Ilkley	coid	o	45	60	1	Trace	0.4	6.6
Cleethorpes ...	cobo	ciro	52	62	0.2	3	1.6	8.5
Mablethorpe ...	wbcc	coro	53	63	–	0.5	4.4	8.2
Skegness... ...	bco	opro	50	62	–	Trace	1.2	?
Aberystwyth ...	cirC	cir	51	67	8	0.3	3.1	7.1
Bath	c	cbcr	59	65	0.3	Trace	0.5	6.5
Cheltenham .+	coc	cidbc	56	64	Trace	Trace	2.2	8.3
Leamington Spa	opr	bccop	56	62	–	1	0.4	7.8
Lowestoft ...	rtbc	crbc	55	62	0.3	Trace	2.8	6.7
Dovercourt ...	foc	bcoc	56	63	–	–	0.0	7.6
Maldon	mo	c	48	67	–	–	1.1	7.4
Southend ...	omc	cbc	55	69	0.1	–	3.1	6.5
Ilfracombe ...	cbcb	bcop	51	66	3	1	3.8	5.2
Bude	pcbc	bcolr	48	66	1	0.3	3.6	8.4
St. Ives	o	op	48	62	1	2	0.2	2.2
Penzance ...	c	cilr	47	61	0.2	1	1.0	2.3
Torquay	crpb	cpodobm	58	62	2	0.2	4.1	6.7
Jersey	rqcbc	bcc	59	64	3	0.1	2.8	10.0
Weymouth ...	c	cb	58	63	–	–	1.6	7.6
Bournemouth ...	coro	o	56	60	0.3	2	0.2	9.0
Ventnor	ocfor	ovcbz	56	62	Trace	12	1.4	8.8
Southsea ...	oro	ocb	57	63	0.2	9	1.5	5.2
Bognor Regis ...	crr	rcbcc	58	62	Trace	1	1.6	9.2
Littlehampton ...	cbc	bcb	58	63	0.2	–	1.9	9.2
Worthing ...	cbr	cbcbc	59	64	Trace	0.3	2.8	8.2
Brighton... ...	cbc	bcb	58	65	–	–	2.8	7.0
Eastbourne .+	cr.c	cbcb	57	64	–	0.1	3.6	6.9
Hastings †	omoc	cbbc	57	64	–	0.2	1.8	7.3
Folkestone ...	bcrc	cbcb	57	67	0.1	–	1.9	6.2
Dover	c	cbc	53	67	Trace	–	2.1	5.6
Deal	b	cbc	57	67	–	–	3.7	6.9
Tunbridge Wells	co	bcb	55	67	Trace	–	2.6	8.6
Ramsgate ...	c	cbc	57	64	–	–	3.2	6.7
Margate... ...	cbc	cbc	58	68	Trace	–	3.5	7.3

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h SATURDAY, 18TH OCTOBER, 1930.



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

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 18th Oct., 1930.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Wind southwesterly, moderate or fresh, squally, strong locally at times; bright periods; local showers; cooler than of late, but day temperature above normal; chance of slight ground frost locally at night.
8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Wind southwest or west, strong at first, squally, moderating; bright periods; showers; perhaps local thunder; cooler than of late; chance of slight ground frost locally at night.
13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Wind southwest or west, strong, gale force in squalls; showery; perhaps local thunder; bright intervals; day temperature about normal, cool at night.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind westerly, fresh or strong, squally, moderating; occasional rain or showers; perhaps local thunder; bright intervals; cooler; chance of slight ground frost at night.

GENERAL INFERENCE.

The deep depression which travelled northwards from southwest of Ireland during yesterday is now centred near the Faeroes. Rather cooler southwest or west winds, squally generally and strong at times, will be experienced. There will be bright periods and showers, and perhaps local thunder in the North and West.

FURTHER OUTLOOK.

Unsettled, especially in the North and West.

Times of issue of Gale Warnings.

South Cone at 1125 on 17th in 5,6,7,8,12,18,19

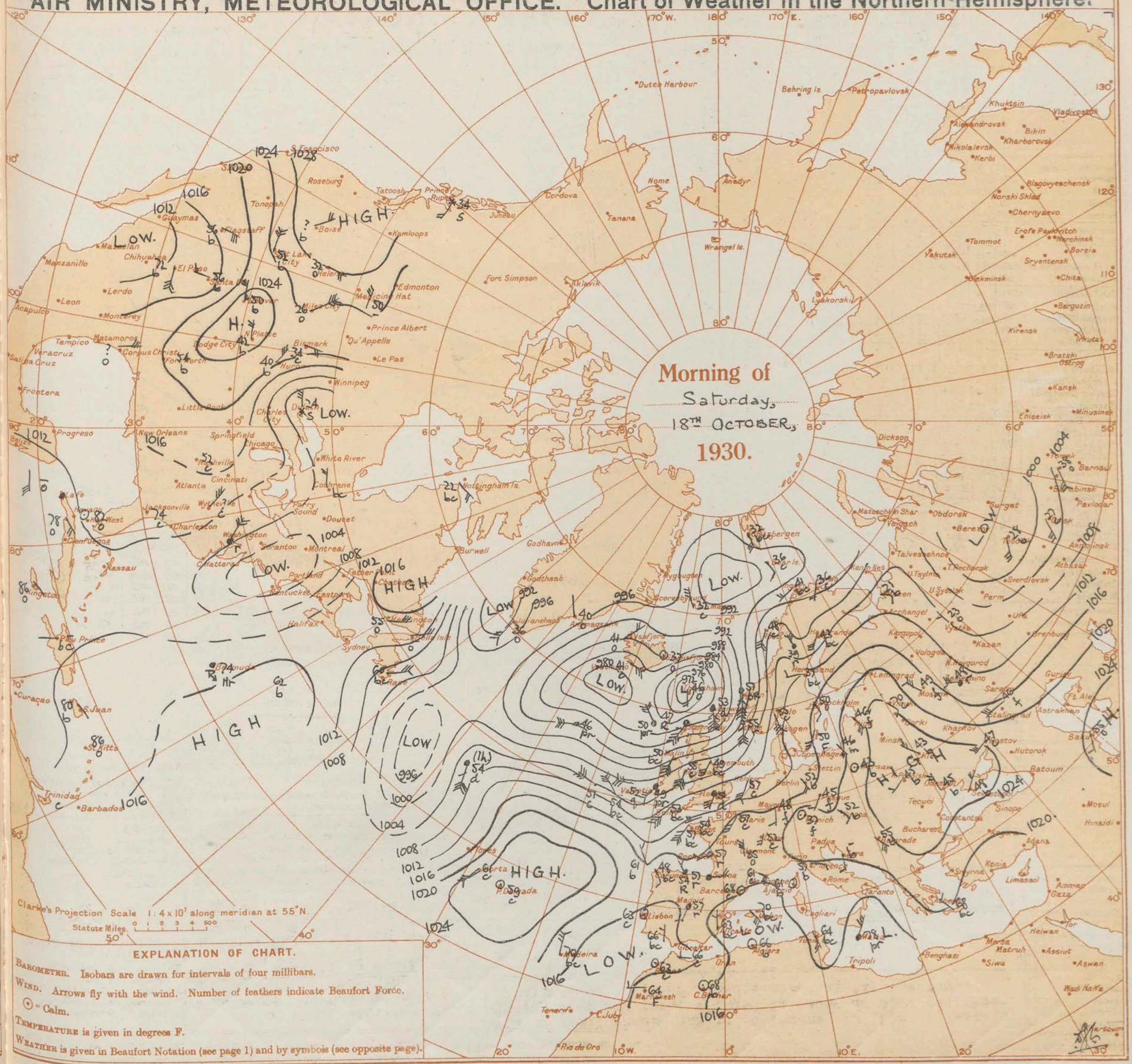
South Cone at 1415 on 17th in 11, 13A, 13B, 15, 16, 17 and 20.

Forecasts issued at 1010 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2.
Pa.2495/2136. Wt.28. 0.6026. Gp.908. 28[illegible]30

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

⊙ = Calm.

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 18th October 1930.

No. 25.167

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

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)
Lerwick	54	990.4	-0.0	SE	8	rr	52	95	6	6	-	-	10	10	800
Stornoway	34	978.8	-4.2	S	6	be/pr	54	95	6	3	-	-	4-6	4-6	4000
Wick	81	985.2	-5.0	SSE	9	RR	51	95	7	6	-	-	10	10	1500
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head ...	51	984.3	-4.0	W'N	8	ir.	50	85	7	6	2	-	4-6	9+	1500
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	988.4	-3.2	S	6	ir.	56	75	8	5	-	-	2-3	2-3	1500
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir ...	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth ...	67	993.7	-1.4	SSW	4	bc	56	75	8	2	-	-	2-3	2-3	4000
Blacksod Point ...	10	990.1	+2.6	SW	6	C	51	85	6	9	-	-	9+	9+	220
Aldergrove ...	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee ...	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle ...	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead... ...	26	997.9	+3.0	WSW	6	q	52	65	7	8	-	-	2-3	2-3	2500
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate... ...	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head ...	29	999.7	-4	SSW	5	bc	55	85	7	4	2	-	2-3	4-6	4000
Birmingham ...	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	1001.5	-4	S	3	bc	51	95	6	5	-	-	2-3	2-3	2500
Gorleston... ...	14	1004.6	-2	SSW	3	ir.	60	95	6	6	-	-	10	10	2500
Valentia Obs.† ...	30	995.7	+2.6	SW	4	bc	53	75	9	4	-	-	4-6	4-6	4000
Roches Point ...	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke... ...	150	1001.5	+2.0	WSW	6	bc	55	75	8	3	8	-	4-6	4-6	1500
Ross-on-Wye ...	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington ...	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester ...	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew) ...	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1005.8	-2	S'W	4	bc	56	85	7	5	7	-	2-3	4-6	2500
Manston	135	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness ...	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea ...	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe ...	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1005.2	+4.6	W'S	6	bc	54	85	8	2	-	-	4-6	4-6	4000
Falmouth... ...	200	1006.2	+5.0	WSW	5	bc	53	85	8	4	-	-	4-6	4-6	4000
Plymouth... ...	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill ...	32	1003.6	+6	SW'W	7	bc	57	95	8	5	-	-	4-6	4-6	1500
Calshot, S'hampton	8	1005.3	+6	SSW	6	bc	57	85	7	5	4	-	4-6	4-6	2500
Dungeness ...	20	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	347	1007.1	+1.0	S	3	r.	55	95	8	6	7	-	7-8	10	800
Guernsey	173	1003.5	+1.6	WSW	4	q	55	85	6	5	-	-	4-6	4-6	1500

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

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	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)
980.9	-4.0	S	8	C	53	85	6	6	2	-	10	10	1500	1	*
982.5	+7.0	SWW	7	iR	47	95	6	3	-	-	9+	9+	4000	2	5
983.0	+4.0	SSW	9	bc	50	75	8	8	-	-	4-6	4-6	2500	0	4
990.6	+4.8	SW'S	5	c/pr	49	95	7	9	-	-	7-8	7-8	1500	1	3
987.2	•	SW	5	q	49	76	8	2	-	1	4-6	4-6	4000	0	*
991.2	+4.0	SW	5	q	49	75	8	5	-	-	2-3	2-3	2500	1	3
992.9	+3.8	SW	6	bc	50	75	8	8	8	-	2-3	2-3	1500	1	3
996.0	+2.2	SW	5	q	50	86	7	8	-	-	9+	9+	1500	1	*
995.6	+3.8	WSW	4	C	50	75	8	5	1	-	2-3	7-8	1500	0	2
995.4	+2.6	SW	5	bc	48	75	7	5	-	-	4-6	4-6	2500	1	*
999.3	+3.6	SSW	5	pr	47	95	7	6	-	-	9+	9+	1500	1	*
1000.0	+4.4	SSW	3	bc	49	75	7	2	4	-	2-3	2-3	2500	0	2
994.9	+2.4	W	4	bc	50	75	8	9	4	-	4-6	4-6	800	1	4
997.2	+3.0	S	5	bc	48	85	7	5	4	-	4-6	4-6	1500	1	*
997.1	+2.4	SSW	3	bc	49	85	8	5	3	-	4-6	4-6	4000	0	2
999.7	+1.8	SW	2	C/pr	49	95	7	6	-	-	9+	9+	2500	1	*
1002.5	+1.4	SW'S	6	c/p	55	75	7	8	-	1	7-8	7-8	1500	1	3
1004.2	+2.6	SSW	4	bc	51	65	7	8	-	-	2-3	2-3	2500	0	*
1004.8	+2.4	SSE	2	bc	48	85	8	5	3	-	4-6	4-6	2500	1	*
1003.9	+3.4	SSW	4	b	47	75	7	-	3	-	0	Tr.	-	1	*
1005.3	+1.6	SW	3	bc	49	95	7	-	1	9	0	2-3	-	0	3
1007.8	+2.2	SSW	3	b	47	85	8	-	-	9	0	1	-	1	*
1007.3	+4.2	SW'S	3	bc	47	85	7	-	-	6	0	2-3	-	1	*
1008.0	+2.4	SW'S	3	C	55	86	6	6	-	-	7-8	7-8	1500	0	2
1001.2	+2.0	SWW	4	bc/pr	49	85	8	3	-	-	4-6	4-6	2500	1	3
1002.8	+2.0	SW	4	ir	51	95	7	6	-	-	7-8	7-8	1500	1	5
1005.3	+1.8	WSW	5	C	55	75	8	4	8	-	4-6	7-8	1500	1	3
1007.8	+1.6	SW'S	3	bc	51	85	7	8	-	-	4-6	4-6	2500	1	*
1009.2	+2.6	SSW	3	b	45	95	9	-	3	-	0	Tr.	-	1	*
1009.1	+3.8	SW	4	b	47	85	7	-	4	-	0	1	-	1	*
1011.3	+3.2	S	2	b	46	95	7	1	-	-	1	1	2500	1	*
1010.6	+3.0	WSW	3	b	48	85	8	3	4	1	Tr.	Tr.	2500	1	*
1012	+4.6	SSW	3	b	51	85	8	-	4	8	0	Tr.	-	1	*
1011.1	+4.2	SSW	3	b	50	75	7	-	3	-	0	Tr.	-	1	*
1011.0	+3.0	SW	3	bc	52	95	8	-	3	-	0	2-3	-	0	*
1010.9	+3.0	W'S	2	b	52	95	7	5	3	-	Tr.	1	5700	0	*
1008.9	+2.0	SW	4	bc	56	85	7	5	-	-	4-6	4-6	800	0	3
1009.9	+3.2	WSW	4	bc	55	86	8	2	-	9	2-3	2-3	4000	1	2
1008.6	+1.4	SWW	6	bc	53	85	7	3	8	-	2-3	2-3	4000	1	4
1009.3	+3.0	SW	6	bc	55	75	8	3	-	-	4-6	4-6	4000	0	3
1010.0	+2.6	SW	5	bc	56	75	8	9	-	-	2-3	2-3	2500	1	3
1009.9	+2.0	SW'W	6	C	57	85	8	8	-	-	7-8	7-8	2500	0	5
1011.1	+3.2	SW'W	3	C	53	85	7	7	-	9	4-6	7-8	2500	1	2
•	•	W	6	bc	•	•	7	7	4	•	2-3	4-6	5700	•	3
1011.4	+3.0	WSW	3	b	52	85	8	5	3	-	1	2-3	2500	1	*
1013.2	+2.2	WSW	2	bc	54	75	8	5	4	-	4-6	4-6	2500	1	4

PAST 24 HOURS.

Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 17th. Hrs. (36)
54	50	*	-	7	4.2
54	46	*	2	16	3.4
52	49	*	0.1	5	*
53	48	45	19	4	0.0
51	48	*	1	4	1.3
52	49	45	0.2	5	0.2
56	48	*	1.5	0.6	0.0
54	48	43	9	2	0.0
53	47	46	1	1	0.0
54	48	46	1	3	0.0
55	45	41	0.6	9	0.0
56	49	42	Tr.	0.4	*
56	46	*	1.2	2.6	*
58	45	41	1.3	-	0.0
58	47	*	1.1	1	*
57	47	39	9	1	0.8
63	51	47	2	2	0.2
62	49	44	-	0.3	2.7
64	48	42	Tr.	1	1.7
58	47	42	0.4	0.4	0.8
60	48	*	1	-	3.4
60	46	42	0.2	3	0.0
63	47	43	3	0.1	2.1
62	55	52	0.3	3	1.8
58	43	40	2	3	2.1
57	50	*	1.6	4	*
62	51	*	3	1	0.1
65	49	42	0.3	1	2.0
60	44	40	1	3	0.0
67	47	44	0.2	0.5	2.4
61	45	43	5	1	1.4
63	47	40	2	1	1.8
68	44	40	2	1	3.3
63	47	43	3	0.1	2.1
62	55	52	0.3	3	1.8
58	43	40	2	3	2.1
67	51	46	Tr.	0.1	2.3
63	56	53	-	-	1.0
62	55	53	Tr.	2	1.8
60	52	*	1	0.5	2.3
61	53	*	1	Tr.	4.5
63	54	52	1	-	5.3
62	55	*	1	1	*
63	50	43	7	0.4	1.1
*	*	*	Tr.	Tr.	*
66	51	48	-	2	1.2
64	54	48	Tr.	0.2	2.3

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather Morning. (24 hrs. ended 9h.)	Weather Afternoon. (24 hrs. ended 9h.)	Weather Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	bwcz.	cprbc	bccRo	68	50	44	0.2	1	3.3	•	•	8
Croydon	244	bbcpr.z.	bccr.m.	cRRpbc	69	50	45	0.1	6	3.8			7
Greenwich (Royal Observatory) ...	149	c	cr.b	cR/bcb	70	50	41	Tr.	5	4.1	71	69	6
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	3.3	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	70	52	49	.2	.	2.7	70	72	•
Regents Pk. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	•	2.3	•	•	•
Camden Square	110	c	corb	•	69	52	*	2	0.3	•	At 18h. 65		•
Kensington Palace	80	bcco	cor	•	70	51	42	0.3	2	•	96	77	•
Hampstead Observatory	450	bcm	orm	•	69	47*	40	2	0.3	2.4		77	

FOREIGN OBSERVATIONS.

STATIONS.	18h. G.M.T. 17th October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 18th October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1010.7	SE	2	b	64	1016.3	WSW	1	C	57
Brussels	1010.6	SSE	4	b	63	1013.2	SW	2	c/r	55
Berlin	1018.4	SE	3	m	57	1015.6	SSE	2	m	52
Zürich	1018.9	S	1	z	52	1020.2	SW	1	F-	43
Rome										

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	8h & 10-13h 17th	<0.3	22h 17th-6h 18th

Kew Observatory. Max.	Time.	Min.	Time.
0.1	13h 17th	<0.1	22h 17th-5h 18th

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
72	55	-	1
75	64	-	1
66	46	-	-
64	43	-	Tr.

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 19th October 1930.

No. 25168

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

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)
Lerwick	988·9	+50	SW	8	bc	52	75	7	8	-	-	4-6	4-6	1500
Stornoway ...	992·3	+34	SW	5	bc	54	85	8	9	8	-	4-6	4-6	4000
Wick	993.2	+40	SSW	6	bc	54	85	8	8	1	-	4-6	4-6	2500
Tiree	995.7	+20	SSW	6	bc	52	85	8	8	3	-	4-6	4-6	2500
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	998.7	+40	SW's	4	bc	57	65	8	1	-	-	4-6	4-6	2500
Malin Head ...	997.4	+18	SW	6	c/pr	52	75	7	9	9	-	4-6	7-8	1500
Renfrew	1000·8	+16	SSW	4	bc	53	75	8	2	-	-	4-6	4-6	2500
Inchkeith (Edin.)	999.5	+14	SW	5	bc	54	75	8	1	6	-	2-3	2-3	4000
Leuchars	1000·3	+30	SW	5	bc	55	65	8	2	4	-	2-3	2-3	2500
Eskdalemuir ...	1002.6	+16	SW'W	5	PR	47	95	7	3	-	-	9	9	1500
Tynemouth ...	1003.4	+8	WSW	7	bc	59	55	7	2	-	-	4-6	4-6	2500
Blacksod Point ...	1000·1	+36	SW	5	bc	54	75	8	8	-	-	4-6	4-6	450
Aldergrove ...	1001·2	+14	SSW	5	bc	54	65	8	2	4	8	2-3	2-3	4000
Donaghadee ...	1001.4	+20	W	2	bc/pr	53	75	8	5	-	-	4-6	4-6	2500
Birr Castle ...	1004.4	+20	SW	4	bc	55	65	8	8	-	-	4-6	4-6	2500
Holyhead... ...	1006·2	+12	SW	5	c	55	75	7	8	-	-	7-8	7-8	1500
Liverpool (Bidston)	1007.4	+12	SSW	4	c	54	75	9	9	-	-	7-8	7-8	2500
Chester (Sealand)	1008·2	+8	SSW	4	c/pr.	57	65	9	3	-	-	7-8	7-8	2500
Harrogate... ...	1007.0	+6	SSW	4	bc	56	65	7	9	-	-	2-3	2-3	2500
Spurn Head ...	1009·2	+6	WSW	5	bc	59	65	7	2	-	-	4-6	4-6	4000
Birmingham ...	1010.4	+8	SW	4	bc	56	76	8	8	-	-	4-6	4-6	2500
Cranwell	1010.5	+6	SW's	5	bc	59	65	8	2	-	-	2-3	2-3	4000
Gorleston	1013.7	+18	SW	4	bc	59	75	6	1	-	1	2-3	2-3	5700
Valentia Obs. ...	1006·8	+26	SW	4	pr.	55	75	8	5	-	-	7-8	7-8	2500
Roches Point ...	1007.1	+20	W	4	c	55	85	8	3	-	-	7-8	7-8	1500
Pembroke... ...	1008.4	+8	SW	5	q	56	85	8	8	-	-	2-3	2-3	2500
Ross-on-Wye ...	1011.0	+12	SW'W	4	bc/pr	57	65	8	9	-	3	4-6	4-6	4000
Leafield	1011.6	+6	SW'S	5	bc	58	66	9	2	-	-	4-6	4-6	5700
Cardington ...	1012·0	+4	SW	5	bc	62	45	8	1	-	1	4-6	4-6	4000
Winchester ...	1013.8	+6	SSW	4	c	60	65	8	2	-	8	4-6	7-8	2500
S. Farnborough ...	1013.5	+4	SW'S	5	bc	61	65	8	1	-	4	2-3	4-6	2500
London (Kew) ...	1013.9	+4	SSW	5	bc	61	55	8	8	-	6	4-6	4-6	4000
Croydon	1014.1	+6	SSW	4	bc	61	45	7	1	-	1	4-6	4-6	2500
Manston	1014.7	+6	SW	3	c	61	65	8	5	3	-	1	9	2500
Shoeburyness ...	1014.7	+10	SW	4	bc	60	75	7	5	7	-	2-3	4-6	4000
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe ...	1014.2	+6	SW'W	3	bc	61	55	9	1	3	-	2-3	4-6	4000
Scilly (St. Mary's)	1011·9	+14	W'S	5	bc	57	75	7	8	-	-	2-3	2-3	4000
Falmouth... ...	1013.1	+14	SW'S	5	pr.	56	75	8	3	-	-	4-6	4-6	4000
Plymouth... ...	1012·7	+10	SW	6	q	58	85	8	9	-	-	4-6	4-6	1600
Portland Bill ...	1013.7	+10	SW	6	c	58	95	8	8	-	-	7-8	7-8	2500
Calshot, S'hampton	1014.3	+6	SW'S	4	bc	61	65	7	2	-	4	4-6	4-6	2500
Dungeness ...	*	*	WSW	4	bc	*	*	7	7	4	*	2-3	4-6	4000
Lympne	1015.0	+6	SW'S	4	c	60	65	8	1	3	1	2-3	7-8	2500
Guernsey	1015.8	+6	SW	3	c	60	65	7	5	2	-	4-6	7-8	2500

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

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)
Lerwick	996.5	+40	SW	4	bc	51	85	7	8	-	-	4-6	4-6	1500	0	*
Stornoway ...	995.5	+20	SW	3	cu	51	95	7	9	1	-	7-8	9+	4000	1	2
Wick	997.2	+22	SW	4	bc	50	85	8	5	8	-	2-3	4-6	2500	0	3
Tiree	999.2	+26	SW	6	bc	52	85	8	8	8	-	2-3	2-3	2500	0	3
Nairn	999.4	*	W	1	bc	45	85	8	2	-	-	4-6	4-6	4000	0	*
Aberdeen	1002.4	+22	SSW	3	b	50	75	7	7	-	-	1	1	2500	1	2
Malin Head ...	1001.7	+34	WSW	5	c/pr	52	75	7	9	-	-	7-8	7-8	1500	0	3
Renfrew	1003.8	+24	SW'W	4	pr.	51	75	7	8	-	-	7-8	7-8	2500	1	*
Inchkeith (Edin.)	1003.7	+20	SW	4	bc	51	75	8	5	4	-	2-3	4-6	5700	0	2
Leuchars	1003.8	+26	SSW	3	bc	49	75	8	4	-	-	2-3	2-3	4000	1	*
Eskdalemuir ...	1006.5	+40	SSW	4	pr	47	85	8	8	-	-	9	9	1500	1	*
Tynemouth ...	1007·3	+30	SW	3	bc	51	75	6	2	-	-	4-6	4-6	2500	0	2
Blacksod Point ...	1002.5	+20	SW	5	bc	52	85	8	8	-	-	4-6	4-6	1500	0	4
Aldergrove ...	1004.4	+26	SSW	4	pr	50	75	8	5	-	-	7-8	7-8	4000	1	*
Donaghadee ...	1005.7	+20	W	2	bc	51	75	7	7	3	-	4-6	4-6	4000	0	1
Birr Castle ...	1007.5	+18	SW	2	c	50	85	8	8	3	-	4-6	7-8	2500	1	*
Holyhead... ...	1009.1	+14	SW	5	bc/jp	54	85	7	8	-	-	4-6	4-6	1500	1	3
Liverpool (Bidston)	1010.7	+20	SW's	3	b	51	75	9	3	-	-	1	1	2500	0	*
Chester (Sealand)	1011.1	+20	S	2	b	51	75	8	3	-	-	1	1	4000	1	*
Harrogate... ...	1010.6	+14	SSW	2	b	49	85	7	4	-	-	1	1	4000	1	*
Spurn Head ...	1011.1	+8	SW'W	4	bc	53	85	7	4	-	1	4-6	4-6	4000	0	3
Birmingham ...	1013·2	+16	SSW	3	bc	51	85	8	6	-	-	2-3	2-3	2500	1	*
Cranwell	1013.4	+22	SW's	3	bc	51	75	8	8	-	-	2-3	2-3	2500	1	*
Gorleston	1015.2	+10	S'W	3	bc	55	85	7	-	1	-	0	2-3	-	0	2
Valentia Obs. ...	1008·1	+6	S'W	4	bc/pr	52	75	8	8	-	-	2-3	2-3	1500	1	3
Roches Point ...	1010.5	+20	W	3	bc	53	95	8	5	-	-	2-3	2-3	1500	1	4
Pembroke... ...	1011.4	+8	SW	4	q	55	85	8	8	-	-	4-6	4-6	2500	1	3
Ross-on-Wye ...	1013.7	+14	SSW	3	b	51	85	8	9	-	-	1	1	4000	1	*
Leafield	1014.5	+20	S'W	2	bc	49	95	8	8	-	3	4-6	4-6	5700	1	*
Cardington ...	1014·5	+18	SSW	4	c	52	75	8	8	5	-	1	7-8	4000	1	*
Winchester ...	1016.0	+14	SSW	3	bc	51	85	8	5	-	-	4-6	4-6	4000	1	*
S. Farnborough ...	1015.7	+16	SSW	2	bc	52	85	8	5	-	8	Tc	4-6	4000	1	*
London (Kew) ...	1016.4	+12	SSW	2	bc	55	75	7	5	2	6	1	4-6	4000	1	*
Croydon	1016·3	+18	SSW	3	2o	54	75	6	2	-	8	1	7-8	2500	1	*
Manston	1016·8	+12	SW	3	c	52	85	8	-	-	2	0	7-8	-	0	*
Shoeburyness ...	1016.6	+10	SW	2	bc	53	95	7	5	4	-	1	2-3	4000	0	*
Clacton-on-Sea ...	1016.4	+14	SW	4	c	56	85	7	-	9	8	0	4-6	-	0	3
Felixstowe ...	1016·2	+14	SW's	3	bc	56	75	8	-	3	-	0	4-6	-	0	1
Scilly (St. Mary's)	1014.4	+12	S'W	4	bc	53	85	7	2	-	-	2-3	2-3	4000	1	3
Falmouth... ...	1014.9	+10	SW	4	bc	55	85	8	3	-	-	4-6	4-6	4000	0	2
Plymouth... ...	1014.8	+14	SW	4	bc	55	85	8	2	-	-	2-3	2-3	1500	1	2
Portland Bill ...	1015·1	+8	SW'W	5	c	57	95	8	8	4	-	7-8	7-8	1500	0	5
Calshot, S'hampton	1016·1	+14	SW'S	4	bc	56	75	7	2	-	8	2-3	4-6	2500	0	2
Dungeness ...	*	*	WSW	4	bc	*	*	7	2	2	*	2-3	4-6	2500	*	
Lympne	1017.6	+8	SW	3	c	52	85	7	1	-	8	2-3	7-8	2500	0	*
Guernsey	1016·9	+12	WSW	1	bc	56	75	8	5	-	-	4-6	4-6	4000	1	3

PAST 24 HOURS.

WEATHER. 7h.–13h. 18th (37)	13h.–18h. 18th (38)	18h. 18th to 1h. 19th (39)	1h.–7h. 19th (40)
cbcpr	bccprbcr	bc	bc
bcp.	c	cd. bc	bccp.
bc	bc	bc	bcc u
PR bc	bc	bc PR	c
cprbc	bc	bc	bc
bbcq	bcb	b	bbc
bbccpr	cbccpr	cb. bcb	bbc
cqprbc	bcp.r	cbcb	bbc
cbcpr	bc	bcb	bbcc
bcq	bcqbbc	bcbw	bbccw
cpR	cpRbccpr	cprb	bbc
bcq	bcp.q	bcb	bbc
prqc	prqc	c	c
bcjpbc	bccp.	cp. bcb	bcwc
cPRc	bcPb	b	bw
bcprq	bcprqb	b	bwbcm.
bbc	p bcb	b	boffc
bc	bcprq	bcw	bcoFF
bbc	q prb	b	bwf
b	bycpr	bcbm.	bm. ofc
cbc	bc	bcb	bc
bccp.	cpcpbcpb	bbccpcir	bbcb
circpc	cp bc	bcbw	bcc
bcPq	bcq	bcbbc	bbcq
bcbbccp	pbccb	bw	bw
bbc	bcp.	bcbw	bff
bbcy	bcycprbc	bcb	bm. fcfc
bbc	bc	bcbw	bwbff
b, cbc	bc	bwc	bc w
bbcy	bcybc	bcbw	bacaw
bbc	bcypr c	bc3o bcr	bc3o bbcw
bcb, c	cbcc	cbc	bcw
bc	bc	bc	bc
bc	bc	bc	bc
bcbbcy	bcvy	bcb	bbcw
bcp.	bc	bcbbc	bc
bcp. q	bcp. q	bc	bcq
bqc	bcbpr	bbc	bbc
bcc	bc	bc	bc
bc	bc	bw	bwcprbcm
bc	bc	*	bc
bbccpr.	bcc	cbbcpr.	cbbcm. w
bcbbc	cbc	bcbw	bwbcw

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus,
R, heavy rain. r_o, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, solar halo. ☾, lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased + , has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

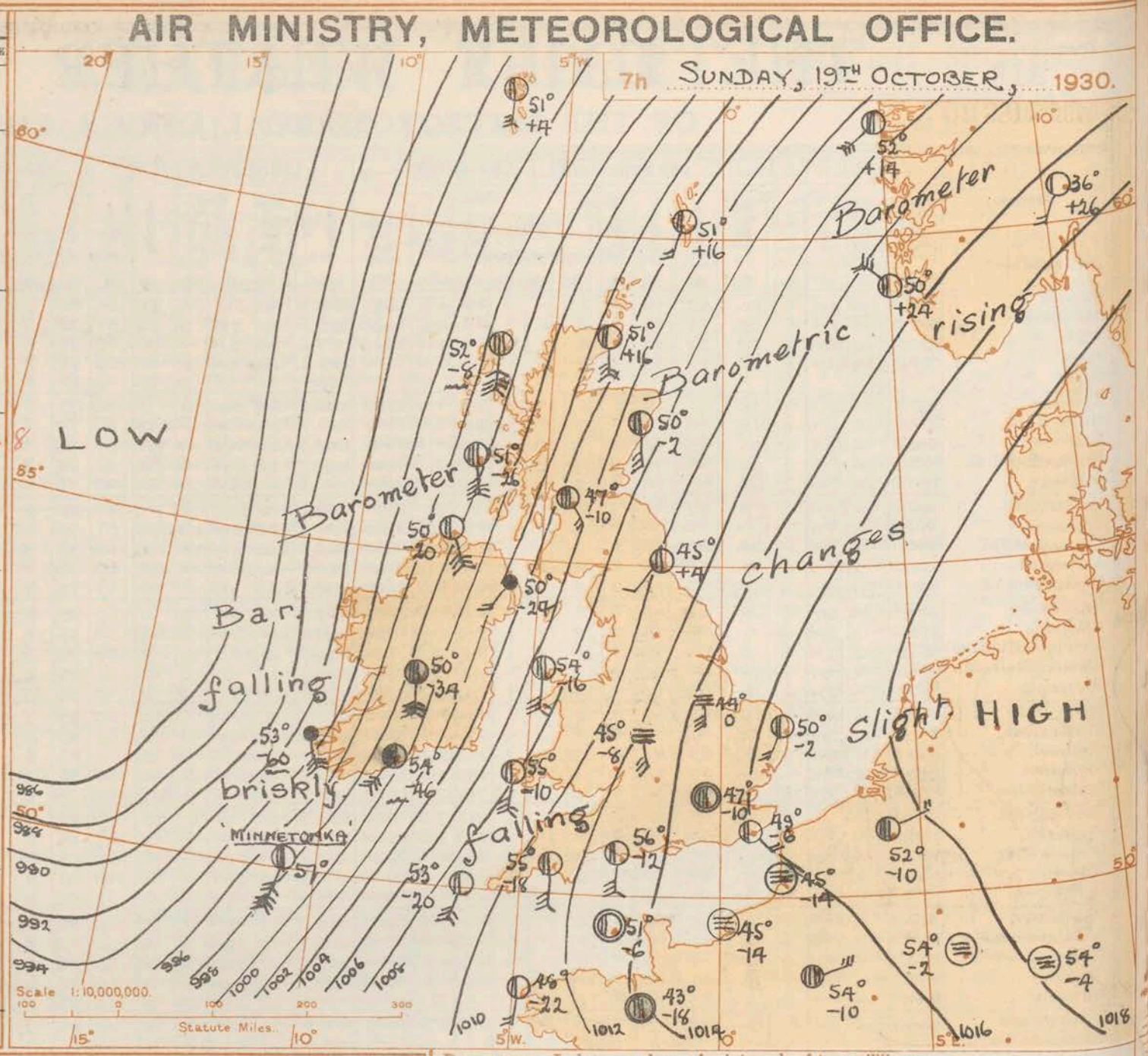
COLUMN 29.—STATE OF GROUND.

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

REPORTS from HEALTH RESORTS for ..... 18th October 1930.

STATIONS	WEATHER. Forenoon.	WEATHER. Afternoon.	TEMPERATURE. Min. 9h. 17th. to 9h. 18th.	TEMPERATURE. Max. 9h.—17h. 18th.	RAINFALL. Night. 17h. 17th. to 9h. 18th.	RAINFALL. Day. 9h.—17h. 18th.	SUNSHINE. Sunrise to Sunset. 18th.
Dunbar	b	bp	49	57	z	0.5	7.7
Berwick-on-T.	bcr.	bc	48	60	Trace	Trace	6.4
Douglas	cbcir	cbccb	49	56	9	Trace	8.2
Llandudno	cir.	bc	52	58	3	0.1	5.8
Colwyn Bay	oberb	bcb	51	58	4	0.3	5.3
Rhyl	bcpbc	bcb	47	58	2	0.1	6.7
Wallasey	bp	pb	49	68	1	2	5.0
Southport ‖	bcopc	copcb	48	59	2	0.6	5.8
Blackpool	cp	cp	52	58	3	2	4.3
Morecambe	rrcbc	rcpbc	49	58	3	2	4.6
Ilkley	bc	bc	46	60	Trace	-	4.5
Cleethorpes	b	berb	47	60	-	0.3	8.7
Mablethorpe	wb	bc	48	60	-	-	8.9
Skegness	bcob	b	52	60	-	-	3.9
Aberystwyth	cpr	cPRc	52	57	4	4	6.2
Bath	bbcp	Pbcp	48	61	2	3	~~5.8~~ 6
Cheltenham †	b	bbcpb	47	62	3	0.3	8.2
Leamington Spa	bcb	bbc	46	61	1	-	8.3
Lowestoft	oirc	b	54	61	2	-	7.8
Dovercourt	bc	bc	53	58	-	-	7.6
Maldon	b	b	51	63	2	-	7.7
Southend	bz	bzbc	51	65	1	-	7.4
Ilfracombe	bbcp	b	51	59	0.4	0.5	7.4
Bude	bc	bc	48	59	0.3	-	8.0
St. Ives	b	b	50	58	0.5	-	8.2
Penzance	bprb	bprb	63	60	0.3	2	8.9
Torquay	opbcb	bcp.b	52	60	1	Trace	9.1
Jersey	pcbcb	bcpc	55	61	0.3	Trace	7.5
Weymouth	cpb	bp.	53	62	3	Trace	8.4
Bournemouth	b	b	50	62	1	-	8.5
Ventnor	pcb	bcoc	52	60	0.5	Trace	5.7
Southsea	bcb	bcb	62	63	0.5	-	6.5
Bognor Regis	b	b	53	61	2	Trace	7.0
Littlehampton	bc	bcpbc	51	60	9	0.2	6.5
Worthing	bc	bcc	51	62	7	-	6.4
Brighton	bc	bc	52	61	3	-	6.9
Eastbourne †	bbcb	bbc	53	63	1	-	6.4
Hastings †	bbc	bbc	55	62	4	-	7.4
Folkestone	brcbc	bbcb	53	63	1	-	7.5
Dover	bbc	bc	53	61	2	-	8.0
Deal	b	bbc	52	62	1	-	7.5
Tunbridge Wells	bbcb	bbcb	49	60	2	-	7.2
Ramsgate	b	bbc	53	62	1	-	7.9
Margate	b	bc	52	64	2	-	7.5

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



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

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 19th October, 1930.
1. S.E. England 2. E. England... 3. E. Midlands	Wind southeast to south, freshening to strong locally later; fine at first, but cloud increasing; rain likely later; especially on the southeast coast; mild.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind south, veering southwest later; strong to a gale on the coast; cloud increasing; rain spreading from the west; probably improving later; mild.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland.	Wind S, strong to gale on the coasts; cloudy, some rain; mild.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	As 4 - 11.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind south, veering southwest or west later, gale; rain at first; showery with bright intervals later; moderate temperature.

GENERAL INFERENCE.

An intense disturbance off West Ireland will move northeast. Southerly winds will reach gale force at many places in the west and north. Rain will spread eastwards from the west to most districts, but the weather will continue fine for a time in the east.

FURTHER OUTLOOK.

Unsettled.

Times of issue of Gale Warnings.

South Cone at 1415 on 17th in 13A, 13B, 15, 16, 17, 20.
South Cone at 0240 on 19th in 5, 6, 7, 8, 10, 11, 12.
South Cone at 0910 on 19th in 1.

Forecasts issued at 1200 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2.
Pa.2495/2136. Wt.28. 0.6026. Gp.906. 28210. 10/30.

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

Morning of
Sunday,
19th OCTOBER,
1930.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55°N
Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

⊙ = Calm.

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 19th October 1930.

No. 25168

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

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)
Lerwick	54	1000.8	+14	SW	2	bc	50	85	7	-	3	-	2-3	2-3	2500
Stornoway	34	998.2	+4	SW	5	bc	51	95	6	3	-	-	4-6	4-6	4000
Wick	81	1002.8	+14	SW	3	bc	50	85	8	5	1	-	2-3	4-6	2500
Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	51	1001.8	-10	S	6	bc	49	85	8	4	-	-	2-3	2-3	4000
Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Inchkeith (Edin.)	190	1007.6	+12	WSW	3	b	49	85	8	-	5	-	0	1	-
Leuchars	30	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	67	1010.4	+4	SW	2	b	49	85	7	-	-	-	0	0	-
Blacksod Point	10	999.7	-12	S	7	c	53	75	6	9	-	-	9+	9+	*
Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	1010.5	-2	SSW	5	bc	53	85	7	2	-	-	2-3	2-3	2500
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	29	1014.3	+2	SW	3	bc	47	95	7	-	1	-	0	2-3	-
Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	249	1015.4	+6	SW'ly	3	b	47	95	6	5	-	-	Tr.	Tr.	4000
Gorleston	14	1017.0	+6	SW'S	3	bc	51	85	6	-	1	-	0	4-6	-
Valentia Obs.+	30	1004.4	-26	S'W	4	bc	53	85	9	4	-	-	4-6	4-6	2500
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	2-3	2-3	*
Pembroke	150	1011.3	-2	SW	3	b	55	85	8	1	-	-	Tr.	Tr.	2500
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cardington	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Winchester	272	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	244	1017.4	0	S'E	3	b	48	95	7	-	-	-	0	0	-
Manston	185	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Clacton-on-Sea	55	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Scilly (St. Mary's)	163	1013.4	-16	SW	4	bc	52	85	8	2	-	-	2-3	2-3	4000
Falmouth	200	1014.8	-6	S'W	4	bc	54	85	7	4	-	-	4-6	4-6	4000
Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	32	1015.6	-2	SW	4	bc	56	95	8	4	-	-	4-6	4-6	2500
Calshot, S'hampton	8	1016.4	-2	SSW	1	b	50	95	8	5	-	-	1	1	2500
Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	347	1017.8	+2	S'W	2	c/pr	53	85	7	5	-	-	7-8	7-8	1500
Guernsey	173	1017.2	-6	-	0	b	50	95	8	-	-	-	0	0	-

OBSERVATIONS at 7 hr. G.M.T. 19th October

Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
Lerwick	1003.1	+16	SSW	2	bc	51	85	8	5	3	-	2-3	4-6	1500	0	*
Stornoway	996.2	-8	S	8	c	52	95	7	9	1	1	7-8	9+	4000	1	5
Wick	1002.0	0	S	5	c	50	85	8	5	1	8	2-3	9	2500	0	3
Tiree	997.5	-26	SSE	7	c	51	85	8	5	3	-	2-3	7-8	2500	0	4
Nairn	1002.2	*	SW	2	bc	50	75	8	5	9	-	2-3	4-6	4000	0	*
Aberdeen	1006.5	-2	S	3	bc	50	85	7	7	5	-	1	2-3	2500	1	1
Malin Head	996.5	-10	SSE	6	bc	50	75	7	4	3	-	4-6	4-6	1500	0	3
Renfrew	1005.5	-10	SSE	2	c	47	95	8	8	-	1	7-8	7-8	2500	1	*
Inchkeith (Edin.)	1007.0	0	SSE	3	bc	51	85	8	5	4	9	1	4-6	5700	0	1
Leuchars	1006.8	-2	SSE	4	c	48	85	8	5	3	1	4-6	7-8	2500	1	*
Eskdalemuir	1008.1	-10	S'E	3	bc	43	95	7	5	4	4	1	2-3	1500	1	*
Tynemouth	1010.9	+4	SW	1	bc	45	95	7	5	-	-	2-3	2-3	1500	0	2
Blacksod Point	989.7	-40	SE	8	r.r.	53	75	7	-	9	-	10	10	220	1	7
Aldergrove	1000.6	-28	SSE	6	c	51	75	8	8	7	6	1	9	2500	1	*
Donaghadee	1002.8	-24	SW	2	ir.	50	95	7	6	2	-	7-8	7-8	800	1	2
Birr Castle	998.6	-34	S	6	q	50	85	8	5	7	-	1	9+	1500	1	*
Holyhead	1007.4	-16	S	5	c	54	85	8	5	-	1	9+	9+	1500	1	3
Liverpool (Bidston)	1010.1	-6	SE'E	4	b	44	95	6	5	-	-	1	1	1500	0	*
Chester (Sealand)	1011.6	-14	SE'S	2	b	44	95	6	5	-	1	1	1	1500	1	*
Harrogate	1012.3	0	SSE	2	f	43	95	2	5	-	-	10	10	<150	1	*
Spurn Head	1013.7	0	SSW	4	F	45	95	1	5	-	-	10	10	<150	0	3
Birmingham	1013.2	-8	SSE	3	bf.	45	95	3	-	-	-	0	0	-	1	*
Cranwell	1014.0	0	S	3	f	44	95	2	5	-	-	10	10	<150	1	*
Gorleston	1016.2	-2	SSW	2	bc	50	95	6	-	-	-	0	4-6	-	0	1
Valentia Obs.+	992.0	-60	SSE	7	ir.	53	85	7	6	-	-	10	10	1500	1	5
Roches Point	999.9	-46	SW	6	c	54	85	8	3	-	-	7-8	7-8	1500	0	6
Pembroke	1007.2	-10	S	5	q	55	85	8	8	-	9	2-3	4-6	1500	0	3
Ross-on-Wye	1012.1	-12	SSE	3	bc	47	95	7	5	-	1	2-3	2-3	4000	1	*
Leafield	1013.4	-10	SE	3	bf	42	95	1	-	-	-	0	0	-	1	*
Cardington	1014.8	-10	SSE	2	f	45	95	2	5	-	-	10	10	<150	1	*
Winchester	1014.2	-16	-	0	m	40	95	4	2	-	1	2-3	4-6	2500	1	*
S. Farnborough	1014.4	-10	S	2	b	46	95	6	-	-	=/	0	1	-	1	*
London (Kew)	1015.0	-10	-	0	c	47	95	7	1	-	2	Tr.	9	4000	1	*
Croydon	1015.3	-16	SSE	3	3	50	95	6	5	4	5	2-3	7-8	2500	1	*
Manston	1015.8	-4	SE	2	bc	52	95	8	-	3	1	0	2-3	-	0	*
Shoeburyness	1015.7	-10	SE'S	1	bc	52	95	7	5	3	-	2-3	2-3	5700	0	*
Clacton-on-Sea	1014.9	-10	S	3	bc	54	95	7	1	-	1	2-3	4-6	800	0	2
Felixstowe	616.2	-4	-	0	c	49	95	7	-	3	2	0	7-8	-	1	0
Scilly (St. Mary's)	1008.2	-20	SSW	5	bc	53	85	8	2	-	-	4-6	4-6	4000	0	3
Falmouth	1010.5	-26	S'E	6	bc	54	85	8	3	-	-	4-6	4-6	4000	0	3
Plymouth	1011.1	-18	S	4	bc	55	95	8	3	-	-	4-6	4-6	1500	1	3
Portland Bill	1012.5	-12	S	4	bc	56	95	8	5	7	-	4-6	4-6	2500	0	3
Calshot, S'hampton	1014.1	-10	SE'S	3	bc	54	85	7	2	4	2	1	4-6	4000	1	1
Dungeness	*	*	S	3	bc	*	*	7	-	7	*	0	2-3	-	*	3
Lympne	1016.0	-6	SE	2	3	49	95	6	-	4	5	0	2-3	-	1	*
Guernsey	1013.0	-12	-	0	bc	51	85	8	1	7	-	2-3	4-6	1500	1	1

PAST 24 HOURS.

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 19th Hrs.
	(31)	(32)	(33)	(34)	(35)	(36)
Lerwick	53	49	*	Tr.	-	1.8
Stornoway	54	49	*	0.5	0.2	5.4
Wick	55	48	*	-	-	*
Tiree	53	50	44	3	1	5.4
Nairn	52	45	*	0.6	-	7.4
Aberdeen	58	45	39	-	-	8.5
Malin Head	52	48	*	0.3	Tr.	6.3
Renfrew	54	42	35	0.5	0.4	4.8
Inchkeith (Edin.)	55	48	44	0.1	-	8.0
Leuchars	56	42	38	-	-	5.8
Eskdalemuir	52	42	37	8	0.1	2.3
Tynemouth	59	45	39	0.2	-	*
Blacksod Point	55	38	*	0.5	0.2	*
Aldergrove	55	45	41	Tr.	Tr.	7.3
Donaghadee	57	46	*	0.2	1	*
Birr Castle	56	46	36	0.3	0.1	5.8
Holyhead	57	52	49	3	0.3	5.4
Liverpool (Bidston)	56	43	41	0.6	-	5.1
Chester (Sealand)	60	41	37	0.1	-	6.1
Harrogate	57	42	38	0.1	-	7.3
Spurn Head	60	45	*	0.1	Tr.	8.6
Birmingham	57	42	40	1	0.2	7.5
Cranwell	60	39	31	Tr.	-	8.6
Gorleston	61	48	46	-	-	7.7
Valentia Obs.+	58	50	46	2	3	6.9
Roches Point	57	51	*	3	Tr.	*
Pembroke	60	53	*	0.5	-	5.3
Ross-on-Wye	60	44	35	0.3	-	7.7
Leafield	59	40	35	0.4	0.1	8.2
Cardington	62	42	38	0.2	Tr.	8.4
Winchester	61	38	32	-	Tr.	7.6
S. Farnborough	61	46	32	-	Tr.	7.8
London (Kew)	61	44	36	-	-	8.1
Croydon	61	45	40	Tr.	Tr.	8.2
Manston	63	46	40	-	Tr.	7.8
Shoeburyness	62	46	35	-	-	7.4
Clacton-on-Sea	62	51	44	-	-	7.8
Felixstowe	61	46	39	-	-	7.9
Scilly (St. Mary's)	58	51	*	0.4	-	9.1
Falmouth	58	52	*	Tr.	-	8.9
Plymouth	59	54	52	Tr.	-	7.7
Portland Bill	59	55	*	-	-	*
Calshot, S'hampton	61	48	39	-	1	7.7
Dungeness	62	54	*	-	-	*
Lympne	60	49	42	-	0.1	7.8
Guernsey	61	47	39	-	-	5.6

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperatures. Day Max. °F.	Temperatures. Night Min. °F.	Temperatures. 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	bbcybc	bcybc	bcbwbc	61	44	36	-	-	8.1	*	*	6
Croydon	244	bbc	bcybrc	bcbwbc	61	45	40	Tr.	Tr.	8.2	*	*	7
Greenwich (Royal Observatory)	149	by	bcy	cbwc	64	44	31	-	Tr.	8.0	54	76	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	7.9	*	*	*
Westminster (St. James' Park)	27	*	*	*	63	47	42	-	-	8.5	54	63	*
Regent's Pk. (Botanic Gardens)	168	*	*	*	*	*	*	*	*	7.1	*	*	*
Camden Square	116	b	cb	*	62	48	*	-	-	*	*	82	*
Kensington Palace	80	bc	bc	*	63	45	35	-	-	*	At 18h. 77	69	*
Hampstead Observatory	450	bc	bcb	*	61	45	34	Tr.	Tr.	7.0	*	77	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0.6	20h. 18m	<0.3	13-15h. 19m; 0-3h. 13m

Kew Observatory. Max.	Time.	Min.	Time.
0.2	18h 18m	<0.1	11h 18m

FOREIGN OBSERVATIONS.

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

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1019.5	-	0	c	57
Brussels	1019.0	SSW	1	c	52
Berlin	1017.4	SSW	2	b	59
Zürich	1019.9	SE	1	3	54
Rome					

7h. G.M.T. 19th October

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1015.0	ENE	3	c	54
1017.0	ENE	2	c	52
1018.8	SW	1	F	46
1019.9	NE	1	bc	59

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
61	54	Tr.	-
61	52	-	0.3
66		-	
66	41	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 20th October 1930.

No. 25169

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

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)
Lerwick	1003.1	-6	S'E	4	c	52	85	7	5	7	-	4-6	9+	1500
Stornoway ...	990.1	-36	SSE	8	c	55	85	7	5	1	1	4-6	9	4000
Wick	998.6	-28	SSE	8	c	52	85	8	5	1	8	4-6	10	2500
Tiree	988.7	-50	SE'S	8	RR	52	95	6	6	-	-	10	10	800
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1002.5	-32	S	5	bc	54	75	7	1	4	-	2-3	2-3	1500
Malin Head ...	987.2	-52	SSE	8	ir	52	95	6	6	2	-	7-8	10	1500
Renfrew	1000.9	-24	SSE	4	c	54	75	8	8	1	-	7-8	9+	2500
Inchkeith (Edin.)	1002.8	-28	SSW	4	c	53	65	8	5	1	-	4-6	9	5700
Leuchars	1003.1	-34	SE	5	c	55	65	8	1	4	4	2-3	7-8	2500
Eskdalemuir ...	1002.7	-36	S	5	c	53	65	8	5	-	6	4-6	7-8	2500
Tynemouth ...	1001.3	-20	S	4	bc	52	85	7	8	-	-	4-6	4-6	2500
Blacksod Point ...	987.4	+28	WSW	7	Q	50	75	8	9	-	-	10	10	220
Aldergrove ...	993.7	-30	SSE	7	c	54	75	6	5	2	-	9	10	800
Donaghadee ...	996.7	-22	SSW	7	pr	55	75	7	6	-	-	7-8	7-8	800
Birr Castle ...	989.6	-50	SE	6	rr	53	95	6	6	-	-	10	10	2500
Holyhead	1001.7	-38	S	6	c	58	75	8	4	7	1	1	9	2500
Liverpool (Bidston)	1004.7	-34	SE	5	c	55	75	9	8	-	-	7-8	7-8	4000
Chester (Sealand)	1006.1	-34	SSE	5	bc	56	75	8	5	-	1	4-6	4-6	2500
Harrogate ...	1007.2	-26	SSE	3	c	54	75	5	9	-	-	9+	9+	2500
Spurn Head ...	1009.3	-14	S'W	5	c	57	85	7	2	3	8	2-3	7-8	4000
Birmingham ...	1008.0	-26	S	4	bc	58	65	8	1	-	-	4-6	4-6	2500
Cranwell	1009.6	-34	SSE	4	c	58	75	8	3	-	4	4-6	7-8	2500
Gorleston	1012.5	-28	SSE	4	bc	57	85	7	1	-	1	2-3	2-3	4000
Valentia Obs. ...	991.6	+40	SW	4	c	51	75	8	8	2	-	7-8	9	2500
Roches Point ...	992.0	-52	S	8	rr	54	95	6	6	-	-	10	10	800
Pembroke	1001.5	-18	S	5	q	57	85	7	8	8	1	2-3	7-8	2500
Ross-on-Wye ...	1001.2	-30	S	5	bc	59	65	8	2	-	-	4-6	4-6	4000
Leafield	1008.4	-30	S'E	5	bc	56	75	9	1	-	1	4-6	4-6	5700
Cardington ...	1009.8	-36	SSE	4	c	59	65	7	2	-	2	7-8	7-8	4000
Winchester ...	1009.6	-28	SSE	4	c	58	95	8	1	-	8	4-6	7-8	2500
S. Farnborough ...	1009.8	-32	SSE	4	bc	59	55	8	1	-	5	2-3	4-6	2500
London (Kew) ...	1010.3	-40	S'E	4	bc	60	55	8	1	-	4	2-3	4-6	5700
Croydon	1011.0	-28	SSE	3	c	60	55	8	1	-	9	4-6	7-8	2500
Manston	1011.3	-34	SE	3	c	58	75	8	-	-	8	0	9	-
Shoeburyness ...	1011.4	-30	SE'E	4	bc	59	85	7	5	1	-	2-3	4-6	4000
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe ...	1012.2	-30	SE	3	c	60	75	9	1	3	8	4-6	7-8	4000
Scilly (St. Mary's)	1002.4	-24	SSW	7	bc	57	85	7	8	6	-	4-6	4-6	4000
Falmouth	1006.2	-34	S'E	7	bc	58	85	8	2	3	-	2-3	4-6	4000
Plymouth	1007.0	-34	S	6	bc	57	85	8	2	-	1	2-3	2-3	2500
Portland Bill ...	1008.8	-26	S	4	bc	59	95	8	8	6	-	4-6	4-6	2500
Calshot, S'hampton	1010.3	-30	SE'S	4	bc	60	65	7	5	8	4	2-3	4-6	2500
Dungeness ...	*	*	SE	3	c	*	*	6	4	7	*	7-8	9+	4000
Lympne	1011.7	-28	ESE	3	2	56	85	6	1	1	-	2-3	7-8	2500
Guernsey	1010.4	-30	SSE	1	bc	60	65	8	5	7	-	2-3	4-6	2500

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

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)
Lerwick	1000.4	-20	SE	7	c	52	85	7	5	2	-	4-6	10	1500	0	*
Stornoway ...	987.0	0	S	8	rr	49	95	5	6	-	-	10	10	4000	2	5
Wick	995.3	-22	SSE	8	c	52	95	7	5	2	-	7-8	10	2500	0	5
Tiree	988.7	+20	S'W	4	rr	48	95	7	6	-	-	10	10	1500	1	3
Nairn	992.7	*	S'E	4	c	54	66	8	3	-	-	7-8	7-8	2500	0	*
Aberdeen	999.3	-20	SSE	5	bc	53	85	6	5	-	-	4-6	4-6	1500	1	3
Malin Head ...	989.3	+8	SSE	3	ir	47	95	7	6	2	-	4-6	9	1500	1	3
Renfrew	995.4	-30	SE	4	ir	53	75	7	5	2	-	9	10	1500	1	*
Inchkeith (Edin.)	997.5	-26	SSE	5	c	54	75	8	5	2	-	2-3	9	1500	0	3
Leuchars	998.6	-24	SE	4	c	52	85	6	5	7	2	4-6	7-8	1500	1	*
Eskdalemuir ...	997.5	-36	SSE	5	c	50	75	7	5	-	-	9	9	2500	1	*
Tynemouth ...	1003.3	-18	S	4	bc	54	85	7	2	-	-	2-3	2-3	2500	0	3
Blacksod Point ...	989.8	+16	W	6	bc	49	65	8	8	-	-	4-6	4-6	1500	1	4
Aldergrove ...	992.6	+12	S	3	rr	46	95	5	6	-	-	10	10	450	1	*
Donaghadee ...	991.8	-20	S'E	6	rr	53	95	7	6	-	-	10	10	800	1	4
Birr Castle ...	993.3	+8	SW	2	c	47	95	8	9	-	-	9	9	2500	1	*
Holyhead	996.2	-30	S	7	ir	55	85	7	6	2	-	2-3	10	1500	1	4
Liverpool (Bidston)	1000.1	-16	SE	5	c	53	65	8	3	-	8	2-3	7-8	4000	0	*
Chester (Sealand)	1001.6	-20	SE'S	4	c	53	65	8	5	2	-	1	7-8	2500	0	*
Harrogate ...	1003.2	-14	SE	3	b	52	85	5	-	-	1	0	1	-	1	*
Spurn Head ...	1005.2	-10	S'E	5	c	55	85	7	4	2	-	4-6	9+	4000	0	4
Birmingham ...	1004.2	-14	SSE	3	bc	52	75	8	6	4	-	2-3	2-3	2500	1	*
Cranwell	1005.6	-22	SSE	4	c	53	85	6	5	-	-	10	10	4000	0	*
Gorleston	1006.8	-30	SW'S	4	r0	55	95	6	6	-	-	10	10	800	1	2
Valentia Obs. ...	994.8	+18	SW'S	3	c	44	95	8	5	-	-	7-8	7-8	2500	1	3
Roches Point ...	995.4	+14	W	4	c	49	75	8	3	-	-	7-8	7-8	1500	1	6
Pembroke	994.8	-30	S	5	rr	55	95	6	6	2	-	7-8	10	800	1	4
Ross-on-Wye ...	1002.9	-24	S'E	5	q	53	75	7	5	2	1	1	2-3	2500	1	*
Leafield	1004.9	-20	SSE	3	bc	49	85	8	4	3	-	1	2-3	4000	0	*
Cardington ...	1006.3	-18	S'E	2	c	52	85	7	5	6	-	9	9	5700	0	*
Winchester ...	1005.9	-18	SE	2	bc	49	95	8	4	-	-	2-3	2-3	4000	1	*
S. Farnborough ...	1006.3	-16	SSE	2	b	53	85	6	5	4	-	1	1	4000	1	*
London (Kew) ...	1006.6	-20	S	2	c	55	85	6	5	3	-	7-8	7-8	4000	0	*
Croydon	1007.4	-14	S'W	2	2	54	85	6	5	7	-	2-3	9	2500	1	*
Manston	1006.9	-22	ESE	3	r0	54	95	6	6	2	-	9+	10	800	1	*
Shoeburyness ...	1006.9	-30	SE'S	3	d	54	95	7	6	2	-	4-6	10	1500	1	*
Clacton-on-Sea ...	1007.3	-20	SE	4	rr	55	95	6	6	-	-	10	10	220	10	3
Felixstowe ...	1007.1	-26	SSE	3	r0	55	95	6	6	-	-	10	10	450	1	2
Scilly (St. Mary's)	999.0	0	WNW	6	R	49	95	6	6	-	-	10	10	2500	1	4
Falmouth	1000.5	-30	S'E	8	r	56	95	6	6	-	-	10	10	2500	1	5
Plymouth	1002.0	-26	S	6	v	57	85	8	6	2	-	7-8	10	1500	1	4
Portland Bill ...	1004.5	-22	S'E	5	bc	58	85	8	5	4	-	2-3	4-6	2500	0	4
Calshot, S'hampton	1006.4	-18	SSE	3	bc	55	85	6	8	-	-	2-3	2-3	2500	0	2
Dungeness ...	*	*	S	4	r0	*	*	4	6	7	*	9	10	800	*	*
Lympne	1007.3	-14	SE	3	d0	53	95	4	6	-	-	10	10	450	1	*
Guernsey	1006.4	-16	S	2	bc	56	75	9	5	1	-	2-3	4-6	2500	1	1

PAST 24 HOURS.

WEATHER. 7h.–13h. 19th (37)	13h.–18h. 19th (38)	18h. 19th to 1h. 20th (39)	1h.–7h. 20th (40)
bcc	cbcc	cbc	bcc
c	orr	op0	cir
c	c	cp0rc	crrc
co	oRR	r0bcRbc	pRr
bcc	c	q cd0	bc
beq	beq	beq	becrc
becir	cRir	cir0bcb	bbc
c	ccr	crcrrq	crbc
cor0r0	oircbc		
cq	cqcm0	cq rr	cqrrbc
bc	bcc	corr	crc
bcq	bcq	bcq	bcoir
prq	prqc	prqc	prqc
d0cm0	r0qRmmor	orrcb	b
cpr0q	cp6rrq	cRRr0c	cbc
coiqrq	orrqRroc	cp0bc	bcbx bc
c	cqc	r0kqRrc	bcb
bbc	vbc	bcRrc	bcrb
bcc	bc	cr	cpr0bc
cfc	cb	bor	RRob
bcw	bcorc		
fbbc	bc	bcqrorr	orrbc
fccm0	cm0	cbccw	cr0mc
bc	bcq r0q	o0c0m0	cor0q
oirRRrc	cp0cir	cpbc	bcqpc
corr	cbcc	cbc	bcc
bbcq	cprrq	cbcP	cpPq
bcbbc	bc	bcqr0r	cpb
bffcbc	bc	bbcqr	oRbc
febcm0	c	c	crrcbc
bcmbbc	bccbcb	bbcc	corrcbcb
bwombbc	bcycbm0	bwm0c	corrbv
cwbcy	bcyc20	cz0bw	bwcrrc
bczbcy	cz0	cbcb3w	orrm0c
bc3,c	cpcsrrim0	cirdm0	crrir0
bc	bcodd	odd	cir
bc	bccorr	oro	opc
bccv	cror	orc	corc
bcc	bcorr	orbc	bccp0
bcq	bcor0q	orm0qbc	bcp0
bcbq	bqc	crRbc	bbcpr0
bc	bc	cRoR	cbc
bc	bc	bw cpr	c, crrbcb
bc	r	*	0
bbcem0	corrm0m	corrm0c	
bcbbc	bcbbc	bcopr	oprbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus,
R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, solar halo. ⊙, lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

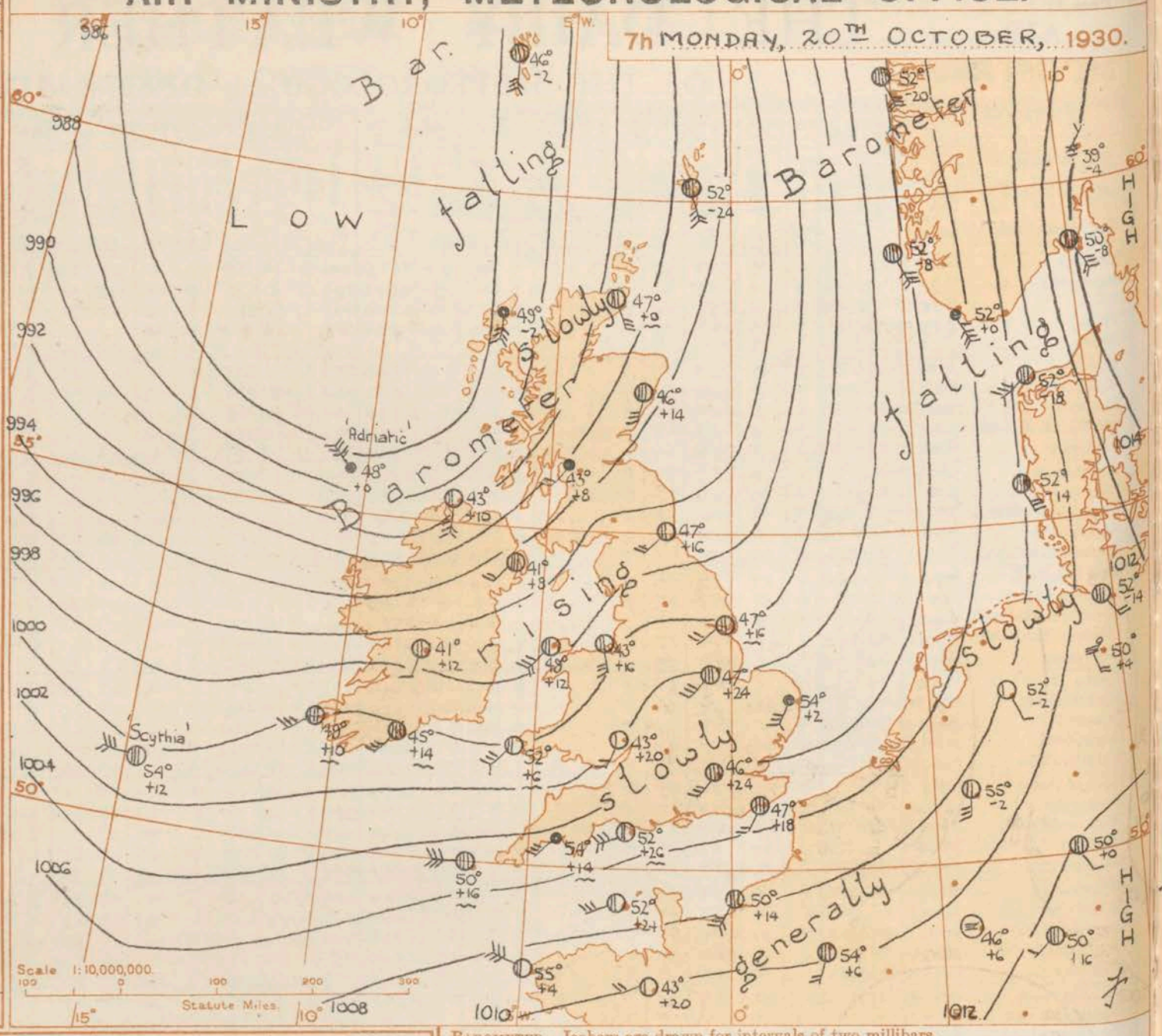
REPORTS from HEALTH RESORTS for 19th October 1930.

Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 18th to 9h. 19th	Temperature. Max. 9h.—17h. 19th	Rainfall. Night. 17h. 18th to 9h. 19th	Rainfall. Day. 9h.—17h. 19th	Sunshine. Sunrise to Sunset. 19th
Dunbar	b	b	45	57	-	-	6.6
Berwick-on-T.	bc	bc	45	53	-	-	7.1
Douglas	cbq	cq	49	56	0.3	-	2.7
Llandudno	bcc	cqc	48	59	-	-	3.2
Colwyn Bay	bcb	bco	43	60	-	-	6.6
Rhyl	bbc	bcc	44	60	-	-	7.9
Wallasey	bbcb	bbc	44	60	-	-	8.0
Southport ... ‖ ...	bccbc	bcco	43	59	-	-	7.7
Blackpool	bbc	bcc	44	59	-	-	7.1
Morecambe	rcb	b	45	58	1	-	7.5
Ilkley	bc	bc	41	57	-	-	4.4
Cleethorpes	cb	cbc	39	60	0.2	-	6.3
Mablethorpe	wbc	bcco	41	60	-	-	7.7
Skegness...	obcb	bc	47	64	-	-	8.6
Aberystwyth	cbc	bcc	48	59	-	-	6.5
Bath	bbc	bcb	41	60	-	-	8.3
Cheltenham ... † ...	bwzbc	bc	44	59	-	-	8.4
Leamington Spa	bc	bc	44	62	-	-	6.6
Lowestoft	bcbbc	bccor	48	59	-	1	6.7
Dovercourt	rbc	bcocr	50	61	2	1	5.7
Maldon	bbc	or	43	61	-	0.3	5.6
Southend	b	bcor	50	62	Tr.	0.2	5.5
Ilfracombe	bc	c	48	60	-	-	6.8
Bude	wbc	bcc	43	59	-	-	6.6
St. Ives	b	bcour	48	56	0.3	1	4.0
Penzance	bq	bcorq	51	59	-	1	5.3
Torquay	pobw	bbcbcq	43	59	Tr.	-	8.1
Jersey	pbc	b	54	60	1	-	6.7
Weymouth	b	b	52	61	-	-	9.0
Bournemouth	b	b	47	62	-	-	8.5
Ventnor	b	boc	55	64	-	-	7.3
Southsea	bcb	b	46	62	-	-	7.5
Bognor Regis	b	bbcco	51	60	Tr.	-	5.4
Littlehampton	bc	bc	50	60	-	-	5.9
Worthing	bbc	c	49	61	-	-	5.3
Brighton...	bbc	bcc	49	62	-	-	5.3
Eastbourne ... † ...	bbcc	cobo	55	62	-	0.3	5.6
Hastings ... † ...	bmbcc	cordo	51	61	-	1	4.5
Folkestone	bbcb	bbccd	53	62	-	0.2	5.3
Dover	bbc	bcor	55	60	-	2	5.2
Deal	b	cor	46	60	-	1	4.5
Tunbridge Wells	bbc	bcco	48	59	Tr.	-	4.6
Ramsgate	bbc	bcoro	53	60	-	1	4.9
Margate	bc	bccd	52	60	-	1	5.8

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h MONDAY, 20TH OCTOBER, 1930.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 20th Oct. 1930.
1. S.E. England 2. E. England... 3. E. Midlands	Fresh or moderate southwesterly to westerly winds; bright periods, occasional showers; rather cold, ground frost at night.
4. W. Midlands 5. S.W. England 6. South Wales	Fresh westerly to northwesterly winds, strong at times at first; bright periods, occasional showers; rather cold, ground frost at night.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Fresh southwesterly to westerly winds; bright periods, occasional showers; rather cold, ground frost at night.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. / B. N.W. Scotland. 14. Mid-Scotland	Fresh southwesterly to westerly winds, strong at times at first, bright periods, occasional showers; rather cold; ground frost at night.
15. N.E. Scotland 16. Orkneys and Shetlands.	Fresh southerly winds, veering, strong at times; bright periods, occasional showers; rather cold; ground frost inland at night.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 4 - 6.

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

GENERAL INFERENCE.

A depression centred off Northwest Scotland will remain almost stationary and fill up. Bright periods though with occasional showers will be experienced generally with rather low temperature. Ground frost will occur in many places at night.

FURTHER OUTLOOK.

Bright periods, occasional showers, rather cold, ground frost at night.

Times of issue of Gale Warnings.

South Cone at 1415 G.M.T. on 17th in 13A, 13B, 17 and 20.

Forecasts issued at 0930 G.M.T.

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

H.M. Stationery Office Press, Kingsway W.C.2.
Pa. 2495/2136. Wt. 26. D.6026. Gp. 908. 2820. 10/30.

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

Morning of
MONDAY
OCTOBER 20th
1930.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55°N
Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

⊙ = Calm.

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 20th October 1930.

No. 25169

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

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)
Lerwick	54	996.6	-3	SSE	8	bc	51	85	8	5	-	-	2-3	2-3	1500
Stornoway	34	987.2	-2	S	4	c	49	95	7	5	-	-	9+	9+	4000
Wick	81	990.7	-16	SSE	8	c	53	85	7	6	1	8	46	9	1500
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	51	9903	-6	S	3	b	44	85	8	5	-	-	1	1	1500
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	9935	-20	SSE	3	r°	51	85	8	6	-	-	10	10	800
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	67	9972	-24	S	3	bc	51	75	7	2	-	-	4-6	4-6	2500
Blacksod Point	10	991.8	+8	W	6	bc	50	75	6	8	-	-	4-6	4-6	800
Aldergrove	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	9969	+6	W	4	bc	49	75	7	8	-	-	4-6	4-6	2500
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	29	9995	-6	S'W	5	bc	50	95	6	5	-	-	4-6	4-6	1500
Birmingham	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	9997	-20	SSE	3	c	47	95	6	5	-	-	9+	9+	4000
Gorleston	14	10029	-16	SSW	4	o	54	95	7	8	-	-	10	10	2500
Valentia Obs.†	30	9970	+14	W'S	4	c/pr	50	85	8	8	-	-	7-8	7-8	4000
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke	150	9975	+2	WSW	4	bc	51	75	8	8	-	-	2-3	2-3	2500
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew)	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	10027	-18	S'E	3	3°	52	85	6	-	-	-	0	0	-
Manston	135	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	10032	+14	WNW	6	bc	50	85	8	2	-	-	4-6	4-6	4000
Falmouth	200	10019	+10	NSW	4	bc	48	75	8	2	-	-	2-3	2-3	4000
Plymouth	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	32	10011	-4	SW'W	6	o/r	58	95	7	5	-	-	10	10	1500
Calshot, S'hampton	8	10012	-16	SW	4	pr	55	95	7	6	2	-	4-6	9	1500
Dungeness	20	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	347	10039	-10	SSW	3	3°	51	95	6	5	-	-	2-3	2-3	1500
Guernsey	173	10037	+10	W	1	pr	50	95	6	6	-	-	10	10	1500

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

STATIONS.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
Lerwick	993.0	-24	SSE	5	c	52	85	7	5	2	-	4-6	9+	1500	0	•
Stornoway	986.7	-2	S	5	ir	49	95	7	6	-	-	9+	9+	4000	2	3
Wick	989.9	0	SSE	3	c	47	86	8	8	2	8	4-6	10	1600	1	4
Tiree	988.8	0	S'W	5	c	48	85	8	8	-	3	7-8	7-8	2500	1	3
Nairn	990.8	•	S	1	bc	39	85	8	5	-	-	4-6	4-6	4000	0	•
Aberdeen	993.4	+14	SSW	3	c	46	95	7	1	7	-	1	7-8	1500	1	2
Malin Head	990.7	+10	S	5	bcjp	43	85	7	3	3	-	2-3	2-3	1500	1	3
Renfrew	994.5	+8	SW	2	pr	43	95	7	8	-	-	7-8	7-8	2500	1	•
Inchkeith (Edin.)	994.9	+10	SSW	3	bc	45	85	8	6	5	-	2-3	2-3	1500	0	1
Leuchars	995.1	+18	SW	3	bc	41	85	8	8	-	9	2-3	2-3	4000	1	•
Eskdalemuir	996.8	+14	SSW	2	c	41	95	8	5	-	-	7-8	7-8	800	1	•
Tynemouth	996.9	+16	WSW	2	bc	47	95	6	3	-	-	4-6	4-6	2500	1	2
Blacksod Point	994.0	+18	W	6	bc	47	75	8	8	-	-	4-6	4-6	800	1	4
Aldergrove	996.6	+10	S	3	b	39	95	8	8	-	-	1	1	800	1	•
Donaghadee	995.3	+8	WSW	2	c	41	85	8	5	-	8	2-3	7-8	2500	1	1
Birr Castle	997.1	+12	SSW	1	bc	41	95	8	5	-	-	4-6	4-6	4000	1	•
Holyhead	998.8	+12	SW	5	u	49	75	8	8	-	-	2-3	2-3	2500	1	3
Liverpool (Bidston)	999.5	+16	SSE	3	bc	43	85	8	8	-	-	2-3	2-3	4000	1	•
Chester (Sealand)	999.8	+22	SSW	3	b	44	85	7	8	-	-	1	1	2500	1	•
Harrogate	999.3	+10	-	0	b	42	95	7	6	-	-	1	1	2500	1	•
Spurn Head	999.4	+4	WSW	4	c	48	95	7	4	7	8	2-3	9+	4000	1	4
Birmingham	1002.2	+16	SW	3	bc	43	95	8	5	-	-	2-3	2-3	800	1	•
Cranwell	1001.2	+24	SW	3	c	47	95	6	5	-	-	9	9	5700	1	•
Gorleston	1002.1	+2	SSW	4	ir.	54	95	6	6	-	-	10	10	1500	1	3
Valentia Obs.†	999.9	+10	WSW	3	c/pr	49	75	8	6	-	-	7-8	7-8	2500	1	4
Roches Point	1000.3	+14	SW	3	c	45	95	8	3	-	-	7-8	7-8	1500	1	4
Pembroke	999.9	+6	SW	4	q	52	75	8	3	8	8	4-6	4-6	1500	1	4
Ross-on-Wye	1002.5	+20	SSW	2	b	43	85	8	3	-	3	Tr.	1	4000	1	•
Leafield	1002.7	+14	SW	3	b	41	95	8	8	-	-	1	1	4000	1	•
Cardington	1002.9	+18	SW'S	3	c	46	95	8	6	-	-	7-8	7-8	2500	1	•
Winchester	1004.3	+16	WSW	2	bc	44	95	8	4	-	-	2-3	2-3	4000	1	•
S. Farnborough	1004.1	+18	SW	2	b	44	95	8	5	-	-	1	1	4000	1	•
London (Kew)	1003.1	+24	SW'S	3	c	49	85	8	-	3	-	0	7-8	-	1	•
Croydon	1004.8	+20	SW'S	3	c	47	85	7	5	2	-	2-3	7-8	4000	1	•
Manston	1004.7	+20	SSW	3	ir.	48	95	7	6	2	-	7-8	9+	2500	1	•
Shoeburyness	1004.1	+2	SW	2	c	49	95	7	4	2	-	7-8	9	5700	1	•
Clacton-on-Sea	1003.3	+10	SW	3	c	50	95	7	9	-	-	7-8	7-8	450	1	2
Felixstowe	1004.1	+10	WSW	3	c	51	85	8	5	2	-	7-8	10	1500	1	1
Scilly (St. Mary's)	1004.0	+16	W	6	c	50	75	8	8	-	-	7-8	7-8	4000	1	4
Falmouth	1005.5	+10	WSW	3	pr	50	85	8	3	3	-	4-6	4-6	4000	1	1
Plymouth	1004.3	+14	WSW	4	pr	54	65	8	3	-	-	9	9	1500	1	4
Portland Bill	1004.4	+26	W'S	6	bc	52	95	8	4	8	-	2-3	4-6	2500	1	4
Calshot, S'hampton	1004.4	+16	WSW	3	b	47	85	8	1	-	-	1	1	2500	1	1
Dungeness	•	•	W	3	r°	•	•	•	6	7	•	7-8	10	1500	•	3
Lympne	1004.7	+18	SW	2	c/r	47	95	8	5	-	-	9+	9+	1500	1	3
Guernsey	1006.7	+24	W	3	bc	52	65	9	5	-	-	4-6	4-6	2500	1	3

PAST 24 HOURS.

STATIONS.	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 1914 Hrs. (36)
Lerwick	52	50	•	-	-	3.4
Stornoway	55	46	•	2	7	0.0
Wick	53	45	•	-	3	•
Tiree	54	45	41	14	9	0.0
Nairn	54	39	•	-	Tr.	0.5
Aberdeen	55	46	43	-	1	4.3
Malin Head	54	41	•	6	0.5	0.0
Renfrew	55	38	30	0.2	5	1.1
Inchkeith (Edin.)	55	44	41	-	0.6	2.1
Leuchars	55	39	32	-	3	4.6
Eskdalemuir	53	38	33	-	9	5.6
Tynemouth	55	47	41	-	3	•
Blacksod Point	56	46	•	0.3	0.3	•
Aldergrove	54	38	34	7	3	0.1
Donaghadee	56	40	•	5	13	•
Birr Castle	54	39	29	17	0.3	0.1
Holyhead	59	47	42	Tr.	17	6.3
Liverpool (Bidston)	58	43	39	-	2	8.3
Chester (Sealand)	59	42	36	-	2	5.8
Harrogate	55	42	36	-	6	2.3
Spurn Head	57	48	•	Tr.	1	4.9
Birmingham	59	43	40	-	4	7.4
Cranwell	60	44	38	-	1	4.2
Gorleston	59	51	48	0.3	1	6.7
Valentia Obs.†	54	43	38	36	2	1.5
Roches Point	55	43	•	11	-	•
Pembroke	58	47	•	1	7	4.0
Ross-on-Wye	60	43	35	-	3	8.6
Leafield	59	41	39	0.1	4	4.4
Cardington	62	46	42	Tr.	1	4.8
Winchester	60	43	39	-	5	6.9
S. Farnborough	60	44	37	-	3	3.7
London (Kew)	61	48	44	-	3	4.8
Croydon	62	47	45	-	2	4.7
Manston	59	47	42	1	2	5.1
Shoeburyness	60	47	46	0.4	1	6.0
Clacton-on-Sea	59	50	48	2	0.4	5.9
Felixstowe	60	51	49	2	0.6	5.2
Scilly (St. Mary's)	58	47	•	4	2	3.8
Falmouth	59	48	•	Tr.	10	6.4
Plymouth	59	48	46	-	7	5.9
Portland Bill	60	51	•	-	2	•
Calshot, S'hampton	60	46	41	-	5	7.1
Dungeness	64	54	•	2	3	•
Lympne	59	46	45	2	1	4.9
Guernsey	60	50	44	-	2	8.6

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon (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	cwbey	beycz.	cbwcrrc	61	48	44	-	3	4.8	•	•	7
Croydon	244	bcz.becy	czo	cbcorrc	62	47	45	-	2	4.7	•	•	7
Greenwich (Royal Observatory)	149	c e b	bc	cbcrrb	63	47	36	-	2	5.8	69	74	7
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	4.8	•	•	•
Westminster (St. James' Park)	27	•	•	•	63	49	45	3	•	4.8	60	75	•
Regents Pk. (Botanic Gardens)	168	•	•	•	•	•	•	•	•	4.3	•	•	•
Camden Square	110	c bc	bcc	•	63	49	*	-	4	•	At 18h.	83	•
Kensington Palace	80	bc	bcc	•	62	48	42	-	3	•	81	79	•
Hampstead Observatory	450	bc	bcm	•	61	44	39	-	3	4.7	•	84	•

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	8h. 15* 20-21h.	<0.3	1-6h. 20*

Kew Observatory. Max.	Time.	Min.	Time.
0.2	20h. 12*	<0.1	1-5h. 20*

FOREIGN OBSERVATIONS.

STATIONS.	18h. G.M.T. 19th October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 20th October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1008.5	WSW	1	c	63	1008.6	W	1	cm.	54
Brussels	1009.0	SSE	3	c	61	1006.6	S	2	dd	55
Berlin	1019.0	E	3	m	55	1013.2	ESE	2	f	48
Zürich						1014.2	NW	1	o	46
Rome						1017.0	NE	2	o	57

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
63	54	0.4	0.2
61	55	0.4	1
61	46	-	-
	46		-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 21st October 1930.

No. 25,170

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

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)
Lerwick	992.7	+ 6	SSE	4	c	51	75	7	5	3	–	4-6	9	1500
Stornoway ...	988.6	+ 8	SW	4	bc	50	85	8	3	7	–	2-3	4-6	1000
Wick	991.4	+ 6	S	4	bc	52	75	8	8	4	8	4-6	4-6	1000
Tiree	991.8	+ 14	SW'S	6	c	48	75	8	8	–	8	7-8	7-8	2500
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	995.9	+ 10	SSW	4	bc	51	75	8	1	–	–	4-6	4-6	2500
Malin Head ...	994.3	+ 20	SW'W	6	pr	44	95	7	9	–	–	9+	9+	1500
Renfrew	996.7	+ 12	S'W	3	p/h(r)	48	85	7	9	4	–	7-8	7-8	1500
Inchkeith (Edin.)	997.3	+ 8	SSW	3	c	52	65	8	5	8	–	4-6	7-8	4000
Leuchars	996.6	+ 6	SW	5	bc	53	65	8	7	–	–	4-6	4-6	2500
Eskdalemuir ...	998.0	+ 10	S'W	5	pr	47	85	8	3	–	–	9	9	800
Tynemouth ...	1000.6	+ 6	WSW	3	bc	53	65	7	3	–	–	4-6	4-6	2500
Blacksod Point ...	997.0	+ 12	W	6	c	52	65	8	8	–	–	7-8	7-8	800
Aldergrove ...	997.2	+ 10	SSW	5	bc/pr	50	75	9	8	4	3	2-3	4-6	2500
Donaghadee ...	997.0	+ 10	SW	3	c	51	75	8	8	–	1	4-6	7-8	4000
Birr Castle ...	1000.6	+ 10	SW	2	c	48	85	8	3	–	–	7-8	7-8	2500
Holyhead... ...	1001.4	+ 10	SW'W	5	bc	54	65	8	2	–	1	2-3	2-3	2500
Liverpool (Bidston)	1001.4	+ 6	SSW	3	bc	51	75	9	8	–	1	7-8	7-8	4000
Chester (Sealand)	1002.6	+ 6	SW'S	2	c/pr	52	65	8	3	1	–	4-6	7-8	4000
Harrogate... ...	1001.3	+ 6	SSW	3	bc	53	65	7	9	–	–	2-3	2-3	2500
Spurn Head ...	1002.8	+ 2	WSW	3	c	56	95	6	4	–	–	7-8	7-8	4000
Birmingham ...	1002.6	+ 4	SW	4	c	51	75	8	6	3	–	4-6	7-8	2500
Cranwell	1003.7	+ 8	SW	4	bc	55	65	8	1	–	–	4-6	4-6	4000
Gorleston	1005.2	+ 4	WSW	2	bc	54	75	6	2	–	–	4-6	4-6	2500
Valentia Obs. ...	1003.2	+ 18	W'S	4	c/p(r)	48	85	8	6	–	–	9+	9+	1500
Roches Point ...	1001.8	+ 10	W	3	c	52	65	8	3	–	–	7-8	7-8	2500
Pembroke... ...	1002.6	+ 6	SW	4	q	53	85	8	8	8	1	2-3	4-6	2500
Ross-on-Wye ...	1004.4	+ 4	W'S	2	pr	50	75	8	9	1	3	4-6	9	4000
Leafield	1004.3	0	SW'S	4	bc	53	65	9	8	–	3	2-3	4-6	2500
Cardington ...	1005.1	+ 2	SW	4	bc	55	55	8	2	–	8	4-6	4-6	4000
Winchester ...	1005.9	0	SW'W	3	c/p(r)	55	65	8	3	–	1	4-6	7-8	4000
S. Farnborough ...	1006.1	0	S	3	c/pr	55	65	8	3	–	–	7-8	7-8	2500
London (Kew) ...	1006.2	0	SW	4	c	55	55	8	4	–	4	4-6	7-8	2500
Croydon	1006.7	+ 6	SW	3	bc	57	55	8	1	–	5	2-3	2-3	4000
Manston	1006.5	+ 4	SW	3	bc	58	55	8	1	3	–	1	2-3	4000
Shoeburyness ...	1006.8	+ 4	WSW	2	bc	56	75	8	1	3	–	2-3	2-3	2500
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe ...	1006.5	+ 6	WSW	4	bc	57	55	9	1	–	–	2-3	2-3	4000
Scilly (St. Mary's)	1006.4	+ 6	W	5	bc	54	65	8	3	–	–	4-6	4-6	4000
Falmouth... ...	1007.0	0	W	4	br$_o$	52	75	8	3	3	–	2-3	4-6	4000
Plymouth... ...	1006.1	+ 8	WSW	4	c/pr	52	75	8	3	–	1	9	9	2500
Portland Bill ...	1005.8	+ 2	WSW	6	PR	54	95	8	8	2	–	4-6	7-8	1500
Calshot, S'hampton	1006.4	+ 2	SW'S	4	c	58	65	8	9	–	3	7-8	9	2500
Dungeness ...	*	*	W	3	c	*	*	7	7	7	*	7-8	7-8	2500
Lympne	1005.3	+ 2	SW'W	3	bc	55	55	9	1	3	–	1	2-3	2500
Guernsey	1008.2	0	SW	3	c	56	65	8	5	–	–	7-8	7-8	2500

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

Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
Lerwick	996.8	+ 16	S	3	bc	50	85	7	5	–	–	4-6	4-6	1500	0	*
Stornoway ...	988.9	+ 2	SSW	6	bc/pr	48	85	7	3	–	–	4-6	4-6	4000	1	3
Wick	993.7	+ 8	SSW	4	bc	51	75	8	8	6	–	4-6	4-6	2500	0	3
Tiree	991.9	0	SSW	6	c/jp	47	85	7	8	2	8	4-6	9	1500	1	4
Nairn	993.7	*	SW	1	bc	44	75	8	4	–	–	4-6	4-6	4000	0	*
Aberdeen	997.4	+ 14	SSW	4	bc	48	75	8	8	–	3	4-6	4-6	2500	1	1
Malin Head ...	994.3	– 2	S	5	c/jp	48	75	7	3	7	–	2-3	9	1500	1	3
Renfrew	997.8	+ 10	SSW	2	c/ph(r)	43	95	7	8	–	–	7-8	7-8	2500	1	*
Inchkeith (Edin.)	998.0	+ 10	SSW	4	bc	48	75	8	–	4	–	0	2-3	–	0	2
Leuchars	997.8	+ 10	S	2	bc	45	85	8	5	3	–	1	2-3	2500	1	*
Eskdalemuir ...	999.9	+ 10	S'W	3	bc	43	95	7	8	–	3	4-6	4-6	1500	1	*
Tynemouth ...	1001.0	+ 6	S	3	bc	50	65	6	1	–	–	2-3	2-3	4000	0	2
Blacksod Point ...	997.9	0	W	5	pr	47	85	7	3	–	–	10	10	800	1	5
Aldergrove ...	998.6	+ 6	S'E	3	c/pr	44	85	8	3	–	8	4-6	7-8	2500	1	*
Donaghadee ...	998.2	+ 6	SSW	1	c	45	75	8	5	1	8	4-6	7-8	2500	0	1
Birr Castle ...	1001.8	+ 6	SW	1	c	46	85	7	3	4	2	2-3	7-8	2500	1	*
Holyhead... ...	1002.3	+ 6	SW'W	4	u	51	65	8	8	–	–	4-6	4-6	2500	1	2
Liverpool (Bidston)	1002.6	+ 4	SSW	3	bc	47	75	8	3	–	–	4-6	4-6	2500	0	*
Chester (Sealand)	1003.5	+ 6	S'W	2	bc	47	75	7	8	–	–	4-6	4-6	2500	1	*
Harrogate... ...	1002.7	0	S	1	b	45	85	5	5	–	–	Tr.	Tr.	4000	1	*
Spurn Head ...	1003.4	+ 4	SW	2	c	49	85	7	4	2	–	4-6	7-8	4000	0	3
Birmingham ...	1005.3	+ 6	SSW	2	bc	46	85	8	8	8	–	2-3	4-6	2500	1	*
Cranwell	1004.7	+ 10	SSW	3	bc	44	85	7	1	3	–	2-3	4-6	2500	0	*
Gorleston	1006.3	+ 2	S'W	3	bc	51	75	7	1	–	–	2-3	2-3	4000	0	2
Valentia Obs. ...	1004.4	+ 8	W'S	4	bc	50	75	8	3	–	–	2-3	2-3	2500	1	3
Roches Point ...	1004.6	+ 12	W	3	c	48	85	8	3	–	–	7-8	7-8	1500	0	3
Pembroke... ...	1004.6	+ 12	WSW	3	bc	52	75	8	8	4	–	4-6	4-6	2500	1	3
Ross-on-Wye ...	1005.2	+ 4	NW	1	bc	43	95	6	3	–	3	1	2-3	4000	1	*
Leafield	1008.3	+ 8	–	0	bc/pr	44	95	7	8	–	3	2-3	2-3	1500	1	*
Cardington ...	1005.8	+ 4	SW	2	bc	47	85	8	8	–	–	4-6	4-6	1500	1	*
Winchester ...	1006.8	+ 4	S	1	c	45	95	7	8	3	–	4-6	7-8	2500	1	*
S. Farnborough ...	1006.6	+ 6	S	2	c	48	85	6	5	–	3	7-8	7-8	5700	1	*
London (Kew) ...	1007.1	+ 6	S	2	c	49	85	5	5	8	–	7-8	7-8	2500	1	*
Croydon	1007.2	+ 6	S	3	c/r	47	85	6	8	1	–	7-8	7-8	2500	1	*
Manston	1008.0	+ 12	SW	2	ir$_o$	48	85	7	3	–	–	10	10	2500	1	*
Shoeburyness ...	1007.6	0	WSW	3	ir	50	85	7	9	2	–	4-6	10	1500	1	*
Clacton-on-Sea ...	1007.2	+ 10	SW	4	c	54	75	7	5	6	–	4-6	7-8	450	0	2
Felixstowe ...	1007.3	+ 2	SSW	4	r	53	75	8	3	–	–	7-8	7-8	2500	1	3
Scilly (St. Mary's)	1007.4	+ 6	W'N	5	bc/jp	51	75	8	8	3	–	2-3	4-6	4000	0	4
Falmouth... ...	1007.9	+ 10	W	2	pr$_o$	50	75	8	3	3	–	4-6	4-6	4000	1	0
Plymouth... ...	1006.9	+ 8	W	3	pr$_o$	51	75	7	3	–	3	7-8	9	2500	1	2
Portland Bill ...	1006.2	+ 2	WSW	5	c	53	95	8	3	–	–	7-8	7-8	1500	1	4
Calshot, S'hampton	1006.7	0	E'S	2	c	51	85	7	8	4	–	4-6	7-8	2500	1	1
Dungeness ...	*	*	SW	4	pr	*	*	5	6	–	*	9+	9+	1500	*	4
Lympne	1008.1	+ 6	SW'W	3	r$_o$r$_o$	47	95	6	9	–	–	10	10	1500	1	*
Guernsey	1008.0	+ 6	W	2	bc	51	75	7	5	–	–	4-6	4-6	2500	1	2

PAST 24 HOURS. WEATHER.

Stations.	7h.–13h. 20th (37)	13h.–18h. 20th (38)	18h. 20th to 1h. 21st (39)	1h.–7h. 21st (40)
Lerwick	c o ir$_o$ c	c b c	b c	b c
Stornoway ...	c ir b c	b c p r	c i r	c
Wick	c b c	b c	b c	b c c
Tiree	b c p r	b c p r q	c p r	i r
Nairn	b c	b c p r	b c c	c
Aberdeen	c b b c	b c o b c	b c b	b b c
Malin Head ...	b c c	c p r b c c j p	c j p p$_o$ b c p$_o$	b c c R m$_o$
Renfrew	c p r$_o$ c p h c	c p i r c p r	c p r h$_o$ b c	b c c
Inchkeith (Edin.)	b c c	c i r$_o$ b c	b c	b c c
Leuchars	b c b b c q	b c p r$_o$ b	b w	b b c w
Eskdalemuir ...	c p r	c p r b c	b e c p R h e r r	c p r
Tynemouth ...	b c	b c	b e b	b b c
Blacksod Point ...	p r q c	p r q	p r q	p r q
Aldergrove ...	b b c	c p r b c p r	c b e c	c r$_o$ r$_o$
Donaghadee ...	b c	p r b c	b b c	c i r$_o$
Birr Castle ...	b c c p c	c p c c t c	c p	c p r c
Holyhead... ...	b u	p r$_o$ q b c	b c w b	b b c
Liverpool (Bidston)	b c p r c	b c	b c b b c	b
Chester (Sealand)	b c p r$_o$	b c p r$_o$	b c p r$_o$	b c c
Harrogate... ...	b b c	b c b	b	b b c
Spurn Head ...	b c	c p r	b c w	b c
Birmingham ...	b c	c p r$_o$ b c	b c b	b b c
Cranwell	c m$_o$ b b c	b c c p$_o$	b c b m$_o$	b m$_o$ w
Gorleston	o r$_o$ c q	b c	b e o i r$_o$	b c
Valentia Obs. ...	c p$_o$ b c c p h q c	b c c p q b c	b c c p b c p	b c p$_o$ c p c
Roches Point ...	c	c p$_o$ c	c b c b w	b b c p c
Pembroke... ...	b c p q	b c P H R	b c p q	b c p r q
Ross-on-Wye ...	b c a i p t	i r c b	b c p$_o$ b	b' b c c
Leafield	b b c	b c p r$_o$ c p r	b w b c	b c w
Cardington ...	b b c y	b c y c p r$_o$ i p	c b c b	b w x
Winchester ...	b b c p r t p h	b c p r$_o$ c p r$_o$ c	c b c b f	b f x b c
S. Farnborough ...	b v c p$_o$	c p r$_o$ p r h$_o$ c	c m$_o$ b	b b c x v
London (Kew) ...	c b b c y	c P R H c m$_o$	b	b w
Croydon	b c m$_o$ b y	b c y c p r$_o$	b c b m$_o$ f	b b c m$_o$ w
Manston	c i r$_o$ b	b y b c y c p r	c r r c	c b
Shoeburyness ...	c b c	b c o i r	b c	c p r b c
Clacton-on-Sea ...	c b c	b c e	e p b c c	c b c
Felixstowe ...	c b c	b c v y c	c r	c b c b w
Scilly (St. Mary's)	c p b c	b c p	b c p	b c c p
Falmouth... ...	b c p$_o$	b c p$_o$	b c p$_o$	b c c P
Plymouth... ...	c P R H b c q	c b c p r$_o$	c b	b, c
Portland Bill ...	b c P	c i P c	b c p$_o$ b c	b c p r c
Calshot, S'hampton	b c p r$_o$ c	c p r P R	b w b e c p r q	c r$_o$ b c
Dungeness ...	b c	p r	*	p
Lympne	c r$_o$ c b v y	b c o R R m$_o$	c o p r b c	b c c b w
Guernsey	b c P c	c p r b c	b c c p r	b c p r c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

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

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29.—STATE OF GROUND.

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

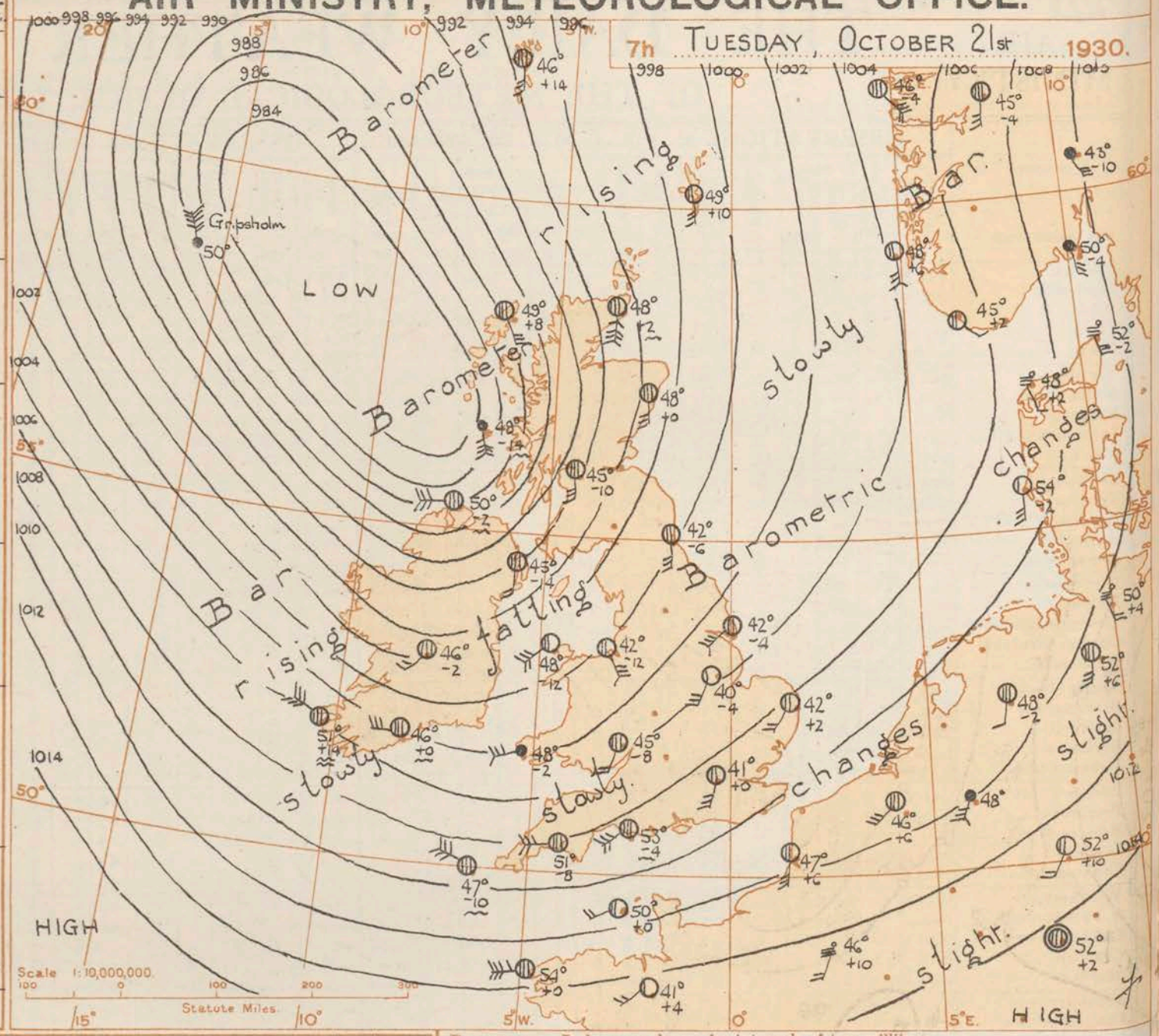
REPORTS from HEALTH RESORTS for 20th OCTOBER 1930.

STATIONS	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. 9h. 19th to 9h. 20th	TEMPERATURE. Max. 9h.—17h. 20th	RAINFALL. Night. 17h. 19th to 9h. 20th	RAINFALL. Day. 9h.—17h. 20th	SUNSHINE. Sunrise to Sunset. 20th
Dunbar	bw	b	41	55	-	Trace	7·6
Berwick-on-T.	bc	bc	43	52	0.4	-	7.4
Douglas	cbbc	bc	42	54	5	-	7.4
Llandudno	cbc	becr	46	55	3	2	6·0
Colwyn Bay	bcbco	bcbob	43	56	4	-	5·8
Rhyl	bbc	bc	52	54	1	-	5·3
Wallasey	bbcbb	bcbb	43	62	2	0.3	5·8
Southport ‖	bbcc	bcbco	43	55	2	-	6·1
Blackpool	bcc	bcc	48	55	5	-	5·6
Morecambe	hrcbc	b	43	54	17	-	6·2
Ilkley	b	b.bcc	43	53	6	Trace	5·4
Cleethorpes	bc	co	46	57	1	-	5·9
Mablethorpe	cbc	bcc	48	57	1	-	6·0
Skegness	b	bo	43	60	-	-	6·0
Aberystwyth	cPR	cbr	45	53	8	2	2·7
Bath	bbc	bcPc	46	56	5	1	6·3
Cheltenham †	bzbc	coRc	44	55	4	5	6·9
Leamington Spa	bccp	ro	42	56	3	1	6·3
Lowestoft	iroc	cbcbc	49	53	2	-	4·9
Dovercourt	roc	bc	49	57	1	-	5·7
Maldon	ocb	bco	48	58	1	-	5·1
Southend	cmb	bcow	48	63	1	-	5·8
Ilfracombe	opc	bcbo	47	54	12	2	3·1
Bude	bcpc	bcp	47	55	7	1	3·6
St. Ives	b	bc	47	54	11	2	4·4
Penzance	crb	bpr	48	57	9	0.2	6·1
Torquay	rpbc	bcrpbc	42	56	4	0.3	3·7
Jersey	bc	bcrc	46	57	4	1	5·1
Weymouth	bcpc	cpcb	48	61	3	2	4·4
Bournemouth	b	oror	45	57	5	1	4·7
Ventnor	orbbc	copr.	47	58	4	5	4·9
Southsea	bbc	bccb	49	59	2	2	5·2
Bognor Regis	bcc	bcPR	48	58	5	7	5·7
Littlehampton	bc	bcher	48	57	4	10	5·5
Worthing	bc	crcR	49	60	5	6	5·7
Brighton	cbc	cr	49	58	3	6	5·6
Eastbourne †	b	bbcorcr	49	58	2	1	6·0
Hastings †	bm	bcbbcorc	47	58	2	1	6·0
Folkestone	orc	bcbbc	48	59	2	-	5·7
Dover	ocbc	bcbbrcc	49	58	1	-	5·7
Deal	ocb	b	48	58	2	-	5·5
Tunbridge Wells	bcb	oro	46	52	3	2	5·5
Ramsgate	cbc	bc	48	58	1	-	5·5
Margate	bc	bc	48	59	2	-	5·5

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h TUESDAY, OCTOBER 21st 1930.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 21st Oct. 1930.
1. S.E. England 2. E. England... 3. E. Midlands	Moderate or fresh southwesterly to westerly winds; considerable bright periods, local showers; rather cold; ground frost at night.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Fresh westerly winds, strong at times, veering; considerable bright periods, local showers; rather cold, ground frost at night.
10. N.E. England 11. S.E. Scotland	Moderate or fresh southerly winds veering; considerable bright periods, local showers; rather cold, ground frost at night.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. / B. N.W. Scotland. 14. Mid-Scotland	Strong southerly winds veering; slowly moderating later; bright periods, showers; rather cold, ground frost inland at night.
15. N.E. Scotland 16. Orkneys and Shetlands.	Fresh or strong southerly winds; bright periods, occasional showers; rather cold, ground frost inland at night
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Fresh or strong westerly to northwesterly winds; bright periods, showers; rather cold, ground frost inland at night.

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

GENERAL INFERENCE.

A depression centred off Northwest Scotland continues to remain almost stationary and to fill up. Weather will continue rather cold with considerable bright periods but local showers. Ground frost is likely to be experienced generally inland at night.

FURTHER OUTLOOK.

Bright periods and local showers; rather cold.

Time of issue of Gale Warning.

South cone at 1415 on 17th in 13A, 13B, 17 and 20.

Forecasts issued at 0930 G.M.T.

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

H.M. Stationery Office Press, Kingsway W.C.2. Pa.2495/2136. Wt.28. D.6026. Gp.308. 28[illegible]

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

Morning of
21st. OCTOBER,
TUESDAY.
1930.

Clarke's Projection Scale 1 : 4×10^7 along meridian at 55°N
Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 21st October 1930.

No. 2517.0

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

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)
Lerwick	54	997.5	+4	SSE	3	bc	51	85	8	7	-	-	2-3	2-3	1500
Stornoway	34	997.9	+2	S	7	ir	48	95	6	3	-	-	9+	9+	4000
Wick	81	994.0	-4	S	6	bc	48	85	8	5	-	8	2-3	4-6	4000
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	51	990.2	-26	S	6	bc	44	95	7	6	-	-	4-6	4-6	1500
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	997.9	-2	SSW	3	bc	46	85	8	5	-	-	4-6	4-6	1500
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	67	1001.1	0	SW	2	b	43	85	7	-	-	-	0	0	-
Blacksod Point	10	994.6	-10	W	8	Q	50	75	6	9	-	-	10	10	<150
Aldergrove	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1002.4	-4	SW'W	4	bc	49	85	8	5	-	-	2-3	2-3	2500
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	29	1003.4	0	SW'W	3	bc	43	95	7	5	-	-	2-3	2-3	4000
Birmingham	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	1004.4	-2	SW'S	3	b	41	95	6	-	-	-	0	0	-
Gorleston	14	1005.7	-8	SW	2	bc	48	85	7	-	1	-	0	4-6	-
Valentia Obs.+	30	1001.6	-10	W	7	0	48	95	8	6	-	-	10	10	2500
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke	150	1003.5	0	W	4	PR	52	75	8	3	-	-	4-6	4-6	1500
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew)	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1007.6	0	SSW	3	m.	42	95	5	-	-	-	0	0	-
Manston	136	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1008.3	-2	W'N	6	bc	51	75	8	3	-	-	2-3	2-3	4000
Falmouth	200	1008.6	+6	WSW	4	pr	47	85	7	3	-	-	4-6	4-6	4000
Plymouth	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	32	1006.3	0	WSW	5	bc	53	95	8	4	-	-	4-6	4-6	2500
Calshot, S'hampton	8	1007.1	0	WSW	4	pr	46	85	7	6	7	-	4-6	10	4000
Dungeness	20	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	347	1007.4	-6	WSW	2	bc/pr	45	95	8	5	-	-	4-6	4-6	1500
Guernsey	173	1009.4	0	W	1	bc	48	85	8	5	-	-	4-6	4-6	2500

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

Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
Lerwick	998.3	+10	S'E	3	bc	49	85	8	8	-	-	4-6	4-6	1500	0	*
Stornoway	988.9	+8	SE	3	c	49	85	9	3	4	-	7-8	9	4000	1	3
Wick	994.4	+2	S	8	c	48	85	8	8	-	8	4-6	7-8	2500	0	4
Tiree	984.4	-14	SSE	7	ir	48	95	7	6	2	-	7-8	9+	800	1	4
Nairn	992.2	•	SSW	2	c	46	75	8	3	9	-	4-6	7-8	4000	0	*
Aberdeen	996.6	0	S	3	c	48	75	7	1	-	9	4-6	7-8	2500	1	1
Malin Head	987.0	-2	W	6	c/r	50	95	6	9	-	-	9+	9+	1500	1	5
Renfrew	993.2	-10	S	3	c	45	85	7	8	-	-	7-8	7-8	2500	1	*
Inchkeith (Edin.)	995.9	-8	SE	3	c	45	85	8	5	4	-	4-6	7-8	1500	0	1
Leuchars	996.4	-6	SSE	3	bc	44	85	8	4	3	9	4-6	4-6	4000	1	*
Eskdalemuir	998.1	-8	SSE	3	pr	41	95	6	5	-	-	9+	9+	1500	1	*
Tynemouth	999.4	-6	S	3	bc	42	85	6	2	6	-	2-3	4-6	2500	0	2
Blacksod Point	997.3	-20	W	7	c	51	75	6	9	-	-	10	10	<150	1	6
Aldergrove	993.1	-12	S	4	r.	45	95	7	6	2	-	9	10	800	1	*
Donaghadee	993.4	-14	S	2	c/r	45	95	7	6	2	-	4-6	7-8	800	1	1
Birr Castle	997.7	-2	SW	2	c	46	86	8	5	-	-	7-8	7-8	2500	1	*
Holyhead	999.7	-12	SW	5	bc	48	85	8	8	8	1	2-3	2-3	1500	1	2
Liverpool (Bidston)	1000.0	-12	SE'S	4	bc	42	95	8	5	-	-	4-6	4-6	2500	0	*
Chester (Sealand)	1001.7	-6	S'E	2	c	43	95	7	8	-	-	7-8	7-8	4000	1	*
Harrogate	1000.9	-6	SSW	3	c	41	85	7	9	-	1	1	7-8	4000	1	*
Spurn Head	1002.2	-4	SW	4	bc	42	95	7	4	-	1	2-3	4-6	4000	0	3
Birmingham	1004.0	-4	SSW	3	c	41	95	8	-	1	-	0	7-8	-	1	*
Cranwell	1003.2	-4	SSW	3	b	40	95	6	-	4	1	0	Tr.	-	0	*
Gorleston	1006.7	+2	SW'S	2	bc	42	95	6	-	4	-	0	2-3	-	0	2
Valentia Obs.+	1004.2	+14	W'N	6	c/pr	51	85	8	6	-	-	9	9	1500	1	6
Roches Point	1002.8	0	W	3	c	46	95	8	3	-	-	7-8	7-8	1500	1	4
Pembroke	1001.3	-2	W	4	PR	48	95	7	9	8	8	4-6	9	1500	1	3
Ross-on-Wye	1003.9	-8	SSW	2	c	45	85	8	6	1	3	2-3	9+	2500	1	*
Leafield	1004.8	-6	SSW	3	c	38	95	9	5	-	2	2-3	7-8	2500	1	*
Cardington	1004.9	-2	SW'S	3	bc	40	95	8	-	-	1	0	2-3	-	1	*
Winchester	1006.5	-4	S'W	3	c	36	95	7	2	-	2	2-3	7-8	4000	1	*
S. Farnborough	1006.5	-2	SW	1	bc	41	95	8	-	-	6	0	4-6	-	1	*
London (Kew)	1006.5	0	SSW	3	bc	41	95	8	8	-	6	Tr.	2-3	2500	1	*
Croydon	1007.3	0	S'W	3	m.	40	95	6	1	7	1	1	2-3	2500	1	*
Manston	1007.2	+2	SW	2	b	40	95	7	3	-	-	1	1	4000	1	*
Shoeburyness	1006.7	-2	SSW	3	b	45	95	6	4	-	-	1	1	2500	1	*
Clacton-on-Sea	1006.2	0	SW	4	bc	48	85	7	3	-	-	2-3	2-3	450	0	2
Felixstowe	1006.8	0	SW	3	bc	47	85	8	3	-	-	2-3	2-3	4000	1	2
Scilly (St. Mary's)	1006.9	-10	W'N	6	c/pr	47	85	8	8	-	-	9+	9+	4000	1	4
Falmouth	1007.3	+10	SW'W	4	PR	48	75	8	3	2	-	4-6	7-8	4000	1	2
Plymouth	1006.5	-8	W	5	c/p	51	75	8	3	9	-	9	9+	1500	1	3
Portland Bill	1005.8	-4	WSW	6	c	53	95	8	8	-	2	4-6	7-8	1500	1	4
Calshot, S'hampton	1006.9	0	SW'W	3	c	45	85	8	3	4	2	1	7-8	1500	1	1
Dungeness	•	•	SW	3	pr	•	•	6	6	7	•	9	9	1500	•	3
Lympne	1007.4	+2	WSW	2	bc	43	95	7	8	4	-	2-3	2-3	2500	1	*
Guernsey	1008.8	0	W	2	bc	50	75	9	5	-	-	4-6	4-6	2500	1	2

PAST 24 HOURS.

Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 20th-21st Hrs. (36)
Lerwick	52	49	*	Tr.	-	2.3
Stornoway	51	45	*	5	3	3.1
Wick	52	47	*	-	-	*
Tiree	51	46	43	3	2	2.0
Nairn	53	41	*	0.1	-	4.6
Aberdeen	53	44	39	-	-	7.1
Malin Head	50	43	*	2	9	3.3
Renfrew	51	43	39	3	0.2	4.7
Inchkeith (Edin.)	53	44	42	Tr.	-	7.2
Leuchars	53	40	31	0.3	Tr.	7.5
Eskdalemuir	50	37	31	2	6	3.9
Tynemouth	64	40	37	-	-	•
Blacksod Point	53	46	*	26	26	•
Aldergrove	51	42	39	0.3	3	5.7
Donaghadee	63	43	*	0.1	0.4	•
Birr Castle	53	41	34	1	4	4.5
Holyhead	54	46	43	0.2	-	7.5
Liverpool (Bidston)	52	42	38	0.1	-	5.9
Chester (Sealand)	55	38	34	Tr.	0.1	4.0
Harrogate	54	39	33	-	-	7.2
Spurn Head	56	41	*	0.1	Tr.	6.6
Birmingham	52	39	36	0.3	-	5.2
Cranwell	56	38	35	Tr.	-	6.4
Gorleston	57	41	39	0.3	0.2	4.2
Valentia Obs.+	54	45	42	3	4	2.7
Roches Point	53	44	*	Tr.	2	•
Pembroke	54	47	*	2	3	4.0
Ross-on-Wye	54	40	32	2	0.1	4.9
Leafield	54	37	29	1	0.1	7.3
Cardington	58	36	32	Tr.	Tr.	5.7
Winchester	56	35	29	0.3	Tr.	4.8
S. Farnborough	56	37	25	0.5	Tr.	6.0
London (Kew)	56	39	29	8	Tr.	5.9
Croydon	58	40	37	1	Tr.	5.3
Manston	59	37	35	1	3	5.1
Shoeburyness	59	43	37	Tr.	1	5.7
Clacton-on-Sea	58	44	40	-	0.4	5.6
Felixstowe	57	44	39	5	0.1	5.4
Scilly (St. Mary's)	55	47	*	0.6	3	5.8
Falmouth	56	46	*	1	2	5.1
Plymouth	55	48	45	4	-	3.4
Portland Bill	56	51	*	4	0.4	*
Calshot, S'hampton	58	43	37	3	1	5.8
Dungeness	53	50	*	0.3	6	*
Lympne	56	43	36	4	7	6.0
Guernsey	57	48	41	1	1	3.6

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h. 21st								Yesterday.		To-day.	
Kew	18	c b b c	b c d	c b w x	59	40	27	0.3	Tr.	5.6	70	73	7
Croydon	244	b c m b y	b e y c p r	b c m f w	58	40	37	1	Tr.	5.3	•	•	6
Greenwich (Royal Observatory)	149	c b • b	b c	c b r r b	63	47	36	-	2	5.8	68	74	6
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	5.6	•	•	•
Westminster (St. James' Park)	27	•	•	•	58	42	37			5.8	67	72	•
Regents Pk. (Botanic Gardens)	168	•	•	•	•	•	•	•	•	5.4	•	•	•
Camden Square	110	b b c	c o r o	•	58	44	"	3	-	•	•	81	•
Kensington Palace	80	b c	b c p c o r	•	58	42	31	2	-	•	At 18h. 87	78	•
Hampstead Observatory	450	b c	p o r o f	•	56	38	32	3	0.3	5.7	•	82	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0.8	18h. 20m	<0.3	0-6h. 21st

Kew Observatory. Max.	Time.	Min.	Time.
0.3	21h. 20m	0.1	11h. 20m

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 20th October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 21st October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1012.1	SW	1	m	54	1012.7	WSW	1	bc	48
Brussels	1010.2	SW	1	b	50	1009.6	SW	3	o	46
Berlin						1012.7	SW	1	f	46
Zürich	1014.4	SW	1	m.	52	1016.4	S	1	m	52
Rome						1014.5	E	3	cu	55

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
57	48	1	2
55	50	1	3
	43		-
59	50	-	-
	54		12

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 22nd October 1930.

No. 251/1

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

STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base (feet) (14)
Lerwick	999·1	-2	SSE	3	c	52	85	7	7	8	-	10	7-8	1500
Stornoway	992·6	+16	SE	2	c	50	85	9	10	6	-	7-8	9+	1000
Wick	995·1	+1	S	6	c	51	75	8	8	-	8	10	7-8	1500
Tiree	988·5	+16	NE'N	2	c	53	95	6	8	7	-	10	7-8	1500
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	996·0	-6	S	1	bc	51	75	8	8	6	1	10	10	1500
Malin Head	990·1	+20	W	7	pr	52	95	7	9	-	-	9+	9+	1500
Renfrew	991·8	-12	SSW	1	ir$_o$	50	85	7	5	2	-	9+	10	1500
Inchkeith (Edin.)	994·6	-8	SSE	3	c	49	85	8	5	2	-	10	10	1500
Leuchars	995·6	-6	SE	1	ir$_o$	49	85	7	6	7	-	7-8	9	1500
Eskdalemuir	994·3	-2	S	5	ir	47	95	7	6	-	-	9+	9+	2200
Tynemouth	997·1	-2	SSW	1	bc	52	85	6	2	-	1	10	10	2500
Blacksod Point	1002·2	+28	WNW	7	c	53	75	7	10	8	-	10	7-8	2150
Aldergrove	993·6	+2	SW	1	r$_o$r$_o$	49	95	6	6	2	-	7-8	9+	800
Donaghadee	993·0	-1	SSW	3	ir$_o$	50	95	7	6	-	-	9	9	800
Birr Castle	1001·8	+1	W	3	bc	52	85	8	8	-	-	2-3	2-3	2500
Holyhead	999·5	-2	W'S	6	c	51	75	7	8	-	1	7-8	7-8	1500
Liverpool (Bidston)	999·1	0	SW'S	1	c	51	75	8	5	-	1	7-8	9	1000
Chester (Sealand)	1000·5	-1	SW'W	1	c/jp	52	75	8	8	-	6	7-8	9	2500
Harrogate	1000·1	-6	SSW	3	c	49	75	7	9	-	1	9	9	2500
Spurn Head	1001·1	-2	SW'S	1	c	52	75	7	8	3	1	2-3	7-8	1000
Birmingham	1002·6	-1	SW	3	bc	51	65	8	1	-	1	10	10	2500
Cranwell	1002·1	-6	SW	1	c	51	75	8	3	-	1	9	9	2500
Gorleston	1005·2	-1	SW	1	bc	53	65	6	1	-	1	2-3	10	1000
Valentia Obs.	1008·5	+1	W	5	c/pr	52	85	8	6	-	-	9+	9+	1500
Roches Point	1005·1	+8	NW	1	c	55	75	8	3	-	-	7-8	7-8	1500
Pembroke	1002·5	0	W	5	9	53	85	7	8	9	-	10	9	1500
Ross-on-Wye	1003·3	-8	SW'W	1	pr$_o$	50	85	8	9	6	1	7-8	9	2500
Leafield	1003·8	-1	SW	1	c	49	75	9	7	-	8	10	7-8	1000
Cardington	1004·3	0	SW	1	c	52	65	8	1	-	6	10	7-8	1000
Winchester	1005·3	-8	SSW	3	c	52	75	7	2	-	8	10	7-8	2500
S. Farnborough	1005·5	-8	SW	1	pr$_o$	48	75	8	8	-	3	7-8	9	2500
London (Kew)	1005·1	-1	SSW	1	c/jp	53	65	8	9	-	1	7-8	9+	2500
Croydon	1006·1	-1	SW'S	1	pR	51	65	6	9	-	6	7-8	9	1500
Manston	1006·9	0	S	3	pr	49	85	8	8	-	-	9	9	2500
Shoeburyness	1006·1	-6	SW'W	3	bc/pr	53	65	8	8	5	-	2-3	10	1000
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	1005·9	-1	SSW	1	bc	55	65	8	8	-	1	10	10	1000
Scilly (St. Mary's)	1008·3	+1	NW	6	c	51	85	7	2	-	-	7-8	7-8	1000
Falmouth	1008·3	+6	WNW	5	bc	53	75	8	3	3	-	2-3	10	1000
Plymouth	1006·7	0	W	1	bc/pr	53	75	8	9	-	-	10	10	1500
Portland Bill	1005·3	-2	W'N	5	c	51	95	8	8	-	-	7-8	7-8	1500
Calshot, S'hampton	1006·2	-6	SW	1	c	49	85	7	8	-	6	7-8	9	2500
Dungeness	*	*	SW	5	pr$_o$	*	*	7	3	3	*	10	9+	2500
Lympne	1007·0	-2	SW'W	1	rr	50	95	8	9	-	-	9+	9+	1500
Guernsey	1008·7	0	WSW	3	pr	51	75	7	3	-	-	7-8	7-8	1500

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

STATIONS.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)
Lerwick	999·9	+1	E	1	bc	49	85	7	8	1	-	2-3	6	1500	0	*
Stornoway	996·1	+1	N	1	bc	45	95	8	8	2	-	2-3	6	1000	1	2
Wick	996·7	+12	SSE	1	bc	50	75	8	9	-	1	6	6	2500	0	3
Tiree	996·9	+10	NW'N	5	c	51	75	8	8	7	-	7-8	9+	1500	0	1
Nairn	994·6	*	SE	1	c	48	75	8	8	-	-	7-8	7-8	1000	0	*
Aberdeen	996·1	+6	SSE	3	ir$_o$	50	85	6	9	7	-	6	9+	1500	1	2
Malin Head	998·6	+6	NNW	5	bc	51	85	7	2	6	-	2-3	6	2500	0	1
Renfrew	994·2	+22	N	3	c/r	48	95	6	5	2	-	7-8	9+	2500	1	*
Inchkeith (Edin.)	993·8	-2	E	3	c	49	85	8	5	2	-	6	10	1500	0	1
Leuchars	994·8	+1	ESE	3	c	49	85	7	5	3	-	6	7-8	2500	1	*
Eskdalemuir	992·0	-16	SE	1	ir$_o$	47	95	6	6	-	-	10	10	1050	1	*
Tynemouth	996·3	-6	S	3	c	48	85	6	6	-	-	7-8	7-8	1500	0	2
Blacksod Point	1005·1	+22	WNW	7	c	51	75	7	8	-	-	7-8	7-8	2200	0	6
Aldergrove	999·2	+1	WNW	1	c	49	85	7	6	-	-	7-8	7-8	800	1	*
Donaghadee	995·0	+20	WNW	6	9	51	75	7	6	-	-	9	9	800	1	1
Birr Castle	1005·1	+22	WNW	3	bc	48	85	8	5	-	-	6	6	2500	1	*
Holyhead	1000·9	+1	W	7	9	53	75	7	5	-	-	9+	9+	1500	1	1
Liverpool (Bidston)	999·2	+2	WSW	5	ir/d$_o$	50	85	7	6	-	-	10	10	1500	1	*
Chester (Sealand)	1000·6	+2	SW'S	2	c	49	85	7	5	-	-	9	9	1500	1	*
Harrogate	998·8	0	SSW	1	ir$_o$	47	85	5	6	2	1	10	10	2500	1	*
Spurn Head	1000·9	0	SSW	1	bc	49	85	7	-	7	-	0	6	-	0	3
Birmingham	1003·0	+2	SW	3	c/jp	48	85	7	6	-	-	7-8	7-8	2500	1	*
Cranwell	1002·2	+2	S'W	3	c	46	85	7	5	3	1	6	7-8	1000	0	*
Gorleston	1002·6	0	SSW	3	bc	49	75	7	1	-	-	2-3	2-3	1000	0	2
Valentia Obs.	1011·5	+22	W	5	c/pr	52	85	8	5	-	-	10	10	1500	1	1
Roches Point	1008·1	+6	NW	1	c	52	85	8	3	-	-	7-8	7-8	1500	0	3
Pembroke	1004·0	+10	W	5	9	51	85	8	9	-	-	7-8	7-8	800	1	3
Ross-on-Wye	1004·1	+1	SW	2	bc	47	85	6	7	8	3	6	6	2500	1	*
Leafield	1004·4	+1	S	2	bc	44	95	8	5	-	8	2-3	2-3	1000	1	*
Cardington	1004·4	+1	SW	1	bc	46	85	8	8	-	-	6	6	2500	0	*
Winchester	1006·0	+6	SW	2	c	46	85	7	8	3	-	6	7-8	2500	1	*
S. Farnborough	1005·7	+6	SW	2	bc	44	85	8	5	-	1	2-3	2-3	1000	1	*
London (Kew)	1005·5	+2	SSW	2	m	48	85	4	4	-	-	2-3	2-3	2500	1	*
Croydon	1006·1	+1	SW	3	2	47	85	5	5	-	-	2-3	2-3	2500	1	*
Manston	1006·3	-2	S	2	c	46	85	8	5	-	2	2-3	9+	2500	1	*
Shoeburyness	1005·6	0	SSW	3	6	46	95	8	1	-	-	1	1	1000	0	*
Clacton-on-Sea	1005·4	0	SSW	4	bc	51	85	7	3	-	-	6	6	800	0	3
Felixstowe	1005·8	+2	SW'S	4	6	50	85	8	-	3	-	0	1	-	0	3
Scilly (St. Mary's)	1010·5	+16	NW'W	7	c	52	95	8	8	-	1	6	7-8	1000	1	4
Falmouth	1010·0	+10	W	4	pr	51	85	8	3	2	-	6	7-8	1000	1	2
Plymouth	1008·2	+12	WNW	5	c	52	35	7	6	-	2	1	7-8	2500	1	3
Portland Bill	1006·0	+4	W	5	c/pr	54	95	8	8	8	-	6	7-8	1500	1	4
Calshot, S'hampton	1006·5	+6	SW'W	3	c	49	85	7	3	-	3	6	7-8	2500	1	1
Dungeness	*	*	SW	5	c	*	*	7	3	5	*	6	7-8	1000	*	3
Lympne	1006·8	0	SW	3	c/pr	46	95	7	8	-	3	6	7-8	2500	1	*
Guernsey	1008·9	+10	W	4	2c	54	75	7	5	-	-	6	6	1500	1	4

PAST 24 HOURS. WEATHER.

STATIONS. (For heights see p. 4.)	7h.—13h. 21st (37)	13h.—18h. 21st (38)	18h. 21st to 1h. 22nd (39)	1h.—7h. 22nd (40)
Lerwick	bcc	cbc	bc	bcpr$_o$
Stornoway	c	bc	bc	bc
Wick	c	cbc	bcl	bc
Tiree	cpR	cpr$_o$	cpr	PRc
Nairn	cbcc	c	cw	c
Aberdeen	bc	cdrr$_o$	cirbc	cbcb
Malin Head	cpr	cpr$_o$bc	bcjpcpr	cp$_o$r
Renfrew	cpr$_o$ar	cir	cm$_o$cbc	bcw
Inchkeith (Edin.)	bc wcer	cir$_o$	cbcir$_o$	cbc
Leuchars	cwicr$_o$	cir$_o$c	cbclbw	bw
Eskdalemuir	cprir	cirRRr$_o$	or$_o$bc	bcb×
Tynemouth	bc	bcc	or$_o$	oir
Blacksod Point	cq	prqc	prq	prqc
Aldergrove	cr$_o$r$_o$cir$_o$	m$_o$r$_o$qir×	bcbw	bcwc
Donaghadee	cir$_o$	tir$_o$cq	bcq	pr$_o$bc
Birr Castle	cpbc	bccp$_o$bc	bcc	c
Holyhead	2r$_o$c	pRqc	cqpr	bcc
Liverpool (Bidston)	bcp$_o$c	pr$_o$q$_o$	oprop	oiRq
Chester (Sealand)	cbcpr$_o$	cpr$_o$r	cprbc	pRq
Harrogate	bcc	cir$_o$	obciR	bcb
Spurn Head	bcc	cbc	orcir	cirq
Birmingham	bc	bcc$_o$pr	orc	cbcc
Cranwell	bm$_o$,c	cbc	bccprc	cpr$_o$c
Gorleston	bbc	bc	bbc	bcoirc
Valentia Obs.	cpc	cp,	cbc	bccoid$_o$
Roches Point	cpc	cpc	cp$_o$c	c
Pembroke	bcpq	cqp	cp$_o$bcq	cbcq
Ross-on-Wye	p$_o$r$_o$bcc	cp$_o$c$_o$p$_o$bc	bcc	bccb
Leafield	cbc	bc	bcb	bbc
Cardington	bbc	bc	bc	bccd
Winchester	cpr$_o$c	c	cbcprb	bbc
S. Farnborough	bcvrwcp$_o$	cbc	bcbw	b,cip$_o$
London (Kew)	bcwcjp	cjpbcm	bcmbw	bwcrbc
Croydon	bcmbc	cpRr$_o$bc	bcbbcmw	bcwcbcpr$_o$
Manston	bcPRcpr	cpr	c, b	b,cpr
Shoeburyness	bcp$_o$hbc	bcb	b	bcc
Clacton-on-Sea	bc	bcp$_o$bc	bcb	bbc
Felixstowe	bwbc	bcp$_o$rbcb	bbc	bccpr
Scilly (St. Mary's)	cp	cp$_o$	cbcc	cbcc
Falmouth	cqbcq	bcP	cp$_o$q	cp$_o$bc
Plymouth	crcpr	cpr$_o$bq	crb	b,cr$_o$
Portland Bill	c	cP	ciPbc	bbc
Calshot, S'hampton	bccpr$_o$r$_o$bc	cbcjpb	bcbw	bwbccpr$_o$c
Dungeness	p	p	*	p
Lympne	bbcphrq	cpr$_o$qpi$_o$	bm$_o$w	bccr$_o$m$_o$
Guernsey	oPRc	cpr$_o$bc	bccpr	cprc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

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

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

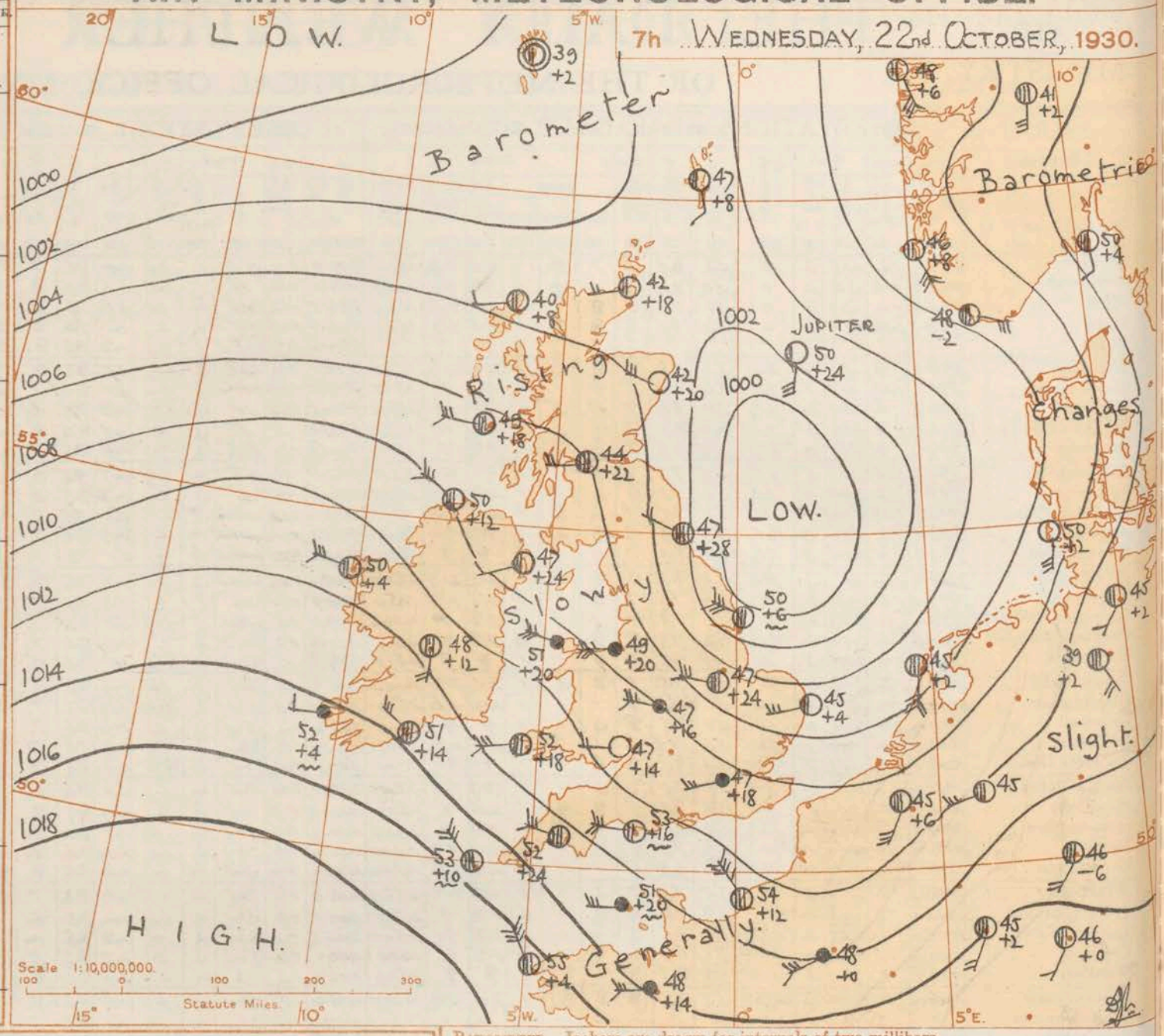
REPORTS from HEALTH RESORTS for 21st October 1930.

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 20th to 9h. 21st	Temperature. Max. 9h.—17h. 21st	Rainfall. Night. 17h. 20th to 9h. 21st	Rainfall. Day. 9h.—17h. 21st	Sunshine. Sunrise to Sunset. 21st
Dunbar	bc	bc	43	52	–	–	2.2
Berwick-on-T.	bcc	cbc	41	50	–	–	3.5
Douglas	circbc	birg	45	53	4	2	2.2
Llandudno	cir	cir	44	54	3	2	2.8
Colwyn Bay	obcob	berro	40	53	1	2	3.5
Rhyl	bbcc	cPR	40	54	1	2	4.1
Wallasey	bbcp	bcpir	43	54	–	4	3.7
Southport	bccpo	cor	41	53	1	1	2.3
Blackpool	cp	cor	41	53	2	6	1.1
Morecambe	cRrc	bcrpr	42	53	3	4	0.5
Ilkley	bc	cor	40	50	–	1	3.2
Cleethorpes	wbc	c	35	54	Tr.	–	7.0
Mablethorpe	wbbc	bccmo	36	54	Tr.	–	7.5
Skegness	b	b	46	61	–	–	5.7
Aberystwyth	cPR	cpr	45	54	15	1	2.8
Bath	bcb	bccp	39	54	Tr.	1	4.0
Cheltenham †	bqbc	bc	41	52	1	–	4.5
Leamington Spa	bc	cbc	36	53	0.2	–	4.6
Lowestoft	irqc	bcbbc	41	55	Tr.	–	8.5
Dovercourt	bcbcp	bc	42	52	–	Tr.	6.8
Maldon	b	bcpb	36	56	1	0.3	7.4
Southend	bbzbc	cphb	44	60	1	1	8.0
Ilfracombe	opc	cbc	47	55	7	1	1.9
Bude	pbc	pbc	42	54	4	2	3.2
St. Ives	c	c	45	54	5	–	5.6
Penzance	cpb	brqc	45	57	7	0.2	4.9
Torquay	pcrp	bcp	42	55	0.3	1	3.3
Jersey	rcq	bcqr	51	55	10	7	2.5
Weymouth	cpcbc	pbbcp	49	57	Tr.	0.2	3.4
Bournemouth	corc	bcr	41	54	1	1	2.2
Ventnor	bcpoc	bcopc	45	54	6	4	4.3
Southsea	cbc	p	43	55	8	6	3.7
Bognor Regis	bcpr	bcpr	44	55	8	1	5.0
Littlehampton	bcph	bc	38	54	10	2	8.3
Worthing	bcrcr	prc	43	55	10	1	4.3
Brighton	bccpc	cpc	42	56	7	9	3.9
Eastbourne †	bcchrc	circbc	45	56	15	2	4.1
Hastings †	bccopc	coroc	45	57	18	3	4.9
Folkestone	rcbcp	cpbc	44	58	6	2	5.4
Dover	bc	bccp	48	56	7	3	4.9
Deal	b	corc	42	56	5	2	5.6
Tunbridge Wells	bcopo	cbc	40	54	3	1	7.1
Ramsgate	bbcrr	bc	44	58	3	2	6.3
Margate	bccr	bc	44	57	4	1	6.5

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h WEDNESDAY, 22nd OCTOBER, 1930.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 22nd Oct, 1930.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Moderate or fresh westerly winds, backing a little; mainly fair apart from occasional local showers; moderate day temperature; ground frost at night.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate or fresh westerly winds, backing temporarily; bright intervals, occasional showers, today, some rain or showers tomorrow; moderate day temperature; ground frost at night.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate or fresh westerly winds, backing temporarily; bright intervals, occasional rain or showers; rather cold; ground frost at night.

Ps.2495/2136. Wt.28. D.6026. Gp.908. 2821. 10/30.

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

GENERAL INFERENCE.

A depression centred southwest of Iceland will move east-north-east while another over the North Sea fills up. Weather over the British Isles will be mainly fair apart from occasional showers locally especially in the West and North.

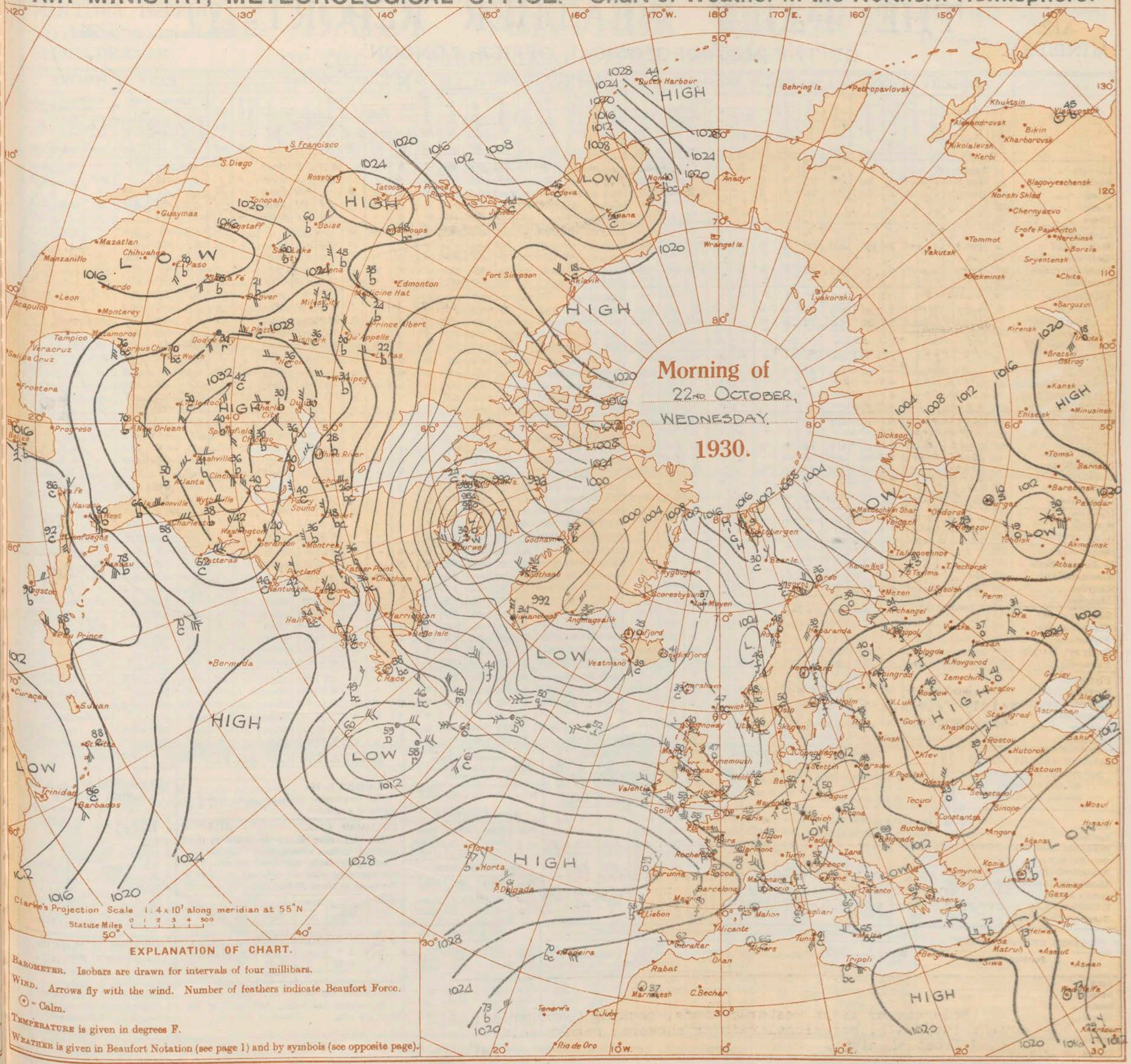
FURTHER OUTLOOK.

Bright periods, occasional showers, rather low day temperature, ground frost at night.

Forecasts issued at 0930 G.M.T.

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

⊙ = Calm.

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 22nd October 1930.

No. 25.171.

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

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)
Lerwick	54	1000.9	+4	S'E	1	bc	48	85	7	5	8	-	1	2-3	1500
Stornoway	34	1000.6	+14	NW	2	bc	42	95	7	8	-	-	2-3	2-3	4000
Wick	81	1000.2	+12	ESE	2	bc	48	85	8	8	-	8	4-6	4-6	2500
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	51	1004.7	+16	NW	6	pr	50	95	7	9	-	-	9+	9+	1500
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	999.8	+20	NW	4	c	48	85	8	5	9	-	4-6	9	1500
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	67	996.9	+12	N	2	o	46	95	6	6	-	-	10	10	1500
Blacksod Point	10	1010.0	+10	WNW	7	c	50	75	6	9	-	-	9+	9+	220
Aldergrove	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1006.6	+18	NW'W	7	bc	53	85	7	5	-	-	4-6	4-6	2500
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	29	999.1	-4	W'S	6	c	48	95	7	3	2	-	7-8	9+	4000
Birmingham	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	1002.1	0	WSW	4	c	47	85	7	5	-	-	9+	9+	2500
Gorleston	14	1004.1	-4	SW'S	3	bc	44	95	6	-	1	-	0	2-3	-
Valentia Obs.†	30	1013.7	0	W	6	o	52	95	8	6	-	-	10	10	2500
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke	150	1008.3	+14	WNW	4	q	53	95	8	9	8	-	4-6	7-8	1500
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew)	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1006.7	0	WSW	4	m	46	85	6	-	7	-	0	4-6	-
Manston	135	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1013.2	+10	NW	7	c	53	85	7	8	-	-	7-8	7-8	4000
Falmouth	200	1011.9	+10	WNW	4	p	51	95	7	3	2	-	4-6	7-8	4000
Plymouth	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	32	1008.0	+6	W'N	5	b	53	95	8	4	-	-	Tr.	Tr.	2500
Calshot, S'hampton	8	1007.2	-2	WSW	4	b	46	85	7	-	-	-	0	0	-
Dungeness	20	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	347	1006.8	0	W	3	m	44	95	6	-	-	-	0	0	-
Guernsey	173	1010.8	+4	NW	4	c/pr	53	75	7	3	-	-	7-8	7-8	2500

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

STATIONS.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
Lerwick	1002.5	+8	S'E	1	bc	47	85	7	8	-	-	4-6	4-6	1500	1	*
Stornoway	1003.5	+8	W	1	bc	40	95	8	5	-	-	2-3	2-3	4000	1	1
Wick	1002.7	(+8) +16	W	2	(bc)	42	95	8	3	-	8	4-6	4-6	4000	0	2
Tiree	1006.3	+18	WNW	4	c	49	85	7	5	7	-	7-8	9+	2500	1	3
Nairn	1004.0	*	-	0	c	43	85	8	8	-	-	7-8	7-8	4000	0	*
Aberdeen	1003.6	+20	WNW	3	bc	42	95	6	-	3	3	0	2-3	-	1	1
Malin Head	1007.4	+12	NW	4	c/p	50	95	7	9	-	-	7-8	7-8	1500	1	3
Renfrew	1006.2	+22	W	2	c	44	95	7	5	-	-	7-8	7-8	2500	1	*
Inchkeith (Edin.)	1004.2	+20	WSW	3	bc	46	85	7	5	8	-	2-3	2-3	1500	0	0
Leuchars	1004.9	+22	SW	2	bc	40	85	8	4	-	-	2-3	2-3	4000	1	*
Eskdalemuir	1006.0	+30	-	0	b	39	95	8	5	-	-	Tr.	Tr.	2500	1	*
Tynemouth	1003.7	+28	NW	2	o	47	85	7	6	-	-	10	10	1600	1	2
Blacksod Point	1011.4	+4	WNW	4	bc	50	75	8	8	-	-	4-6	4-6	800	0	3
Aldergrove	1009.2	+16	W'S	3	c/p	48	85	8	5	-	8	9	9+	1500	1	*
Donaghadee	1007.9	+24	WSW	1	bc	47	95	7	5	3	-	4-6	4-6	4000	1	0
Birr Castle	1012.6	+12	S	2	c	48	85	8	5	-	-	9+	9+	2500	1	*
Holyhead	1009.4	+20	WNW	6	c/pr	51	95	8	4	-	8	9+	9+	1500	1	3
Liverpool (Bidston)	1007.2	+20	W'N	6	d.d	49	95	8	6	-	-	9	9	2500	1	*
Chester (Sealand)	1007.9	+28	NW'W	5	pr	50	85	6	6	-	-	9	9	1600	1	*
Harrogate	1004.6	+30	WSW	3	b	44	85	8	-	4	-	0	1	-	1	*
Spurn Head	1001.4	+6	NW'W	6	c/r	50	85	7	6	7	-	2-3	9+	4000	1	4
Birmingham	1008.0	+16	WNW	4	pr	47	85	7	6	-	-	9+	9+	2500	1	*
Cranwell	1005.0	+24	W'N	4	c	47	85	7	8	-	-	9+	9+	5700	0	*
Gorleston	1004.6	+4	WSW	3	bc	45	85	6	6	2	-	4-6	4-6	2500	1	2
Valentia Obs.†	1014.7	+4	W'N	1	id.	52	95	6	5	-	-	10	10	450	1	4
Roches Point	1014.5	+14	NW	3	c	51	95	8	3	-	-	7-8	7-8	2500	0	2
Pembroke	1011.0	+18	W	4	q	52	95	8	9	-	-	7-8	7-8	1500	1	3
Ross-on-Wye	1009.5	+14	W	2	b	47	75	8	8	-	-	1	1	4000	01	*
Leafield	1008.8	+16	W	4	bc	46	85	8	6	-	-	2-3	2-3	4000	0	*
Cardington	1006.8	+12	WSW	4	id	48	85	8	5	-	-	7-8	7-8	1500	1	*
Winchester	1009.6	+16	W	4	bc	47	85	8	4	-	-	4-6	4-6	4000	1	*
S. Farnborough	1009.1	+14	W'N	2	c	46	85	8	5	-	-	7-8	7-8	4000	1	*
London (Kew)	1008.9	+18	W'S	3	c/pr	47	85	7	-	9	-	0	7-8	-	1	*
Croydon	1009.1	+16	WSW	3	c/p	46	85	6	8	7	-	4-6	7-8	2500	1	*
Manston	1007.7	+6	SW	3	c	46	95	7	5	-	-	9	9	2500	1	*
Shoeburyness	1007.9	+10	WSW	4	c	47	85	7	4	4	-	4-6	7-8	2500	0	*
Clacton-on-Sea	1006.6	+6	W	3	bc	46	95	7	4	-	-	4-6	4-6	800	0	2
Felixstowe	1006.5	+6	W'S	3	c/p	47	85	7	8	-	-	7-8	7-8	2500	1	1
Scilly (St. Mary's)	1015.5	+10	NW'N	5	c	53	85	7	8	-	1	4-6	7-8	4000	1	4
Falmouth	1014.6	+10	WNW	4	bc	52	75	8	3	3	-	4-6	4-6	4000	1	2
Plymouth	1013.2	+24	WNW	4	c/r	52	85	8	6	-	1	9	9+	1500	1	2
Portland Bill	1010.5	+16	WNW	5	bc	53	95	8	7	-	-	4-6	4-6	2500	1	4
Calshot, S'hampton	1009.8	+20	WSW	3	c	47	85	8	8	5	-	4-6	7-8	2500	0	1
Dungeness	•	•	W	2	c	•	•	7	3	1	•	2-3	9	4000	•	2
Lympne	1008.1	+10	W'N	3	c/r	44	95	6	5	-	-	7-8	7-8	2500	1	*
Guernsey	1012.9	+20	W	3	c/pr	51	85	7	5	-	-	7-8	7-8	2500	1	4

PAST 24 HOURS.

STATIONS.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 21st Hrs. (36)
Lerwick	52	47	•	-	Tr.	4.2
Stornoway	53	40	•	0.1	-	0.7
Wick	51	41	•	•	-	•
Tiree	53	49	42	3	0.5	2.2
Nairn	50	41	•	•	-	0.4
Aberdeen	52	41	34	1	0.1	2.3
Malin Head	52	48	•	2	1	0.3
Renfrew	53	39	30	4	0.1	1.4
Inchkeith (Edin.)	52	44	42	Tr.	Tr.	1.4
Leuchars	51	40	31	0.5	Tr.	1.6
Eskdalemuir	47	39	30	1.8	2	0.1
Tynemouth	52	46	42	-	4.1	•
Blacksod Point	54	48	•	0.3	0.4	•
Aldergrove	51	45	40	2	Tr.	0.5
Donaghadee	55	47	•	4	0.2	•
Birr Castle	54	47	43	0.4	-	3.9
Holyhead	54	51	48	2	0.1	1.3
Liverpool (Bidston)	52	46	45	2	7	4.3
Chester (Sealand)	55	49	47	1	3	3.2
Harrogate	51	44	41	Tr.	5	2.1
Spurn Head	55	46	•	-	3	5.3
Birmingham	51	45	42	0.5	3	4.9
Cranwell	53	45	42	-	0.2	7.2
Gorleston	56	43	40	-	0.6	8.0
Valentia Obs.†	63	51	49	1	Tr.	0.4
Roches Point	55	50	•	0.1	0.1	•
Pembroke	55	51	•	Tr.	-	5.1
Ross-on-Wye	53	47	42	1	-	3.5
Leafield	52	42	38	-	-	5.2
Cardington	55	43	40	-	Tr.	6.6
Winchester	53	43	40	Tr.	0.4	4.5
S. Farnborough	55	43	35	0.3	0.1	5.8
London (Kew)	54	43	38	Tr.	0.5 Tr	6.7
Croydon	54	45	41	1	Tr.	6.7
Manston	56	39	33	2	0.3	6.2
Shoeburyness	57	45	42	1	-	7.8
Clacton-on-Sea	56	45	41	0.3	-	7.6
Felixstowe	55	45	42	0.2	Tr.	7.9
Scilly (St. Mary's)	55	51	•	4	-	5.5
Falmouth	56	50	•	3	0.6	5.9
Plymouth	55	50	48	1	0.6	3.4
Portland Bill	55	51	•	0.1	0.6	•
Calshot, S'hampton	55	45	42	3	Tr.	3.6
Dungeness	52	43	•	0.5	Tr.	•
Lympne	52	41	39	2	0.2	5.2
Guernsey	55	49	47	1 H 2	5	4.1

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h. 22nd)	Weather. Afternoon.	Weather. Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	bcwejp	cjpbem	bebwcrbc	54	43	38	Tr.	0.5	6.7	•	•	.6
Croydon	244	bem.c	cpRrbc	bebwcp	54	45	41	1	Tr.	6.7	•	•	6
Greenwich (Royal Observatory)	149	bc@c	cb	bwc	57	43	34	-	Tr.	7.8	62	79	5
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	5.7	•	•	•
Westminster (St. James' Park)	27	•	•	•	56	45	39	-	-	6.7	63	83	•
Regents Pk. (Botanic Gardens)	168	•	•	•	•	•	•	•	•	6.1	•	•	•
Camden Square	110	c	cpb	•	56	45	*	Tr.	-	•	•	86	•
Kensington Palace	80	bc	cbc	•	56	44	36	-	-	•	At 18h. 85	84	•
Hampstead Observatory	450	bc	orbcm	•	55	40	35	0.3	0.1	5.8	•	86	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0.8	19h. 21st	<0.3	0-6h. 22nd

Kew Observatory. Max.	Time.	Min.	Time.
0.4	19h. 21st	<0.1	1-4h. 22nd

FOREIGN OBSERVATIONS.

STATIONS.	18h. G.M.T. 21st October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 22nd October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1011.3	WSW	2	bc	54	1012.1	W	2	c	48
Brussels	1008.8	SW	2	b	50	1009.6	SSW	3	c	45
Berlin	1013.0	WSW	1	rf	55	1011.8	SSW	1	m	50
Zürich	1015.2	SE	1	r.r.	52	1016.3	SW	1	o	43
Rome	-	W	1	c	50	1013.0	-	0	f	46

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
57	46	-	1
55	43	0.1	Tr.
55	50	0.1	4
59	43	0.2	5
?	?	?	?

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 23rd October 1930.

No. 25172

STATIONS. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 22nd October														OBSERVATIONS at 18h. G.M.T. 22nd October														PAST 24 HOURS.			
									Cloud.																				WEATHER.			
									Form.			Amount.																			
	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force. 0-12	Weather.	Temp. °F.	% Humid.	Visibility 0-9	Low	Med.	High	Low 0-10	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	Low.	Med.	High.	Low. 0-10	Total 0-10	Height of Base (feet)	State of Ground. 0-9	Sea. 0-9	7h.–13h. 22nd	13h.–18h. 22nd	18h. 22nd to 1h. 23rd	1h.–7h. 23rd
	(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)
Lerwick	1002·0	-16	S	1	bc	52	75	7	7	-	-	2-3	2-3	2500	1001·8	-8	S	1	bc	48	95	7	5	7	-	2-3	4-6	2500	0		bc	bc	c.ir.	orr cir
Stornoway ...	1002·7	-12	SSW	3	c	51	95	8	4-	1	-	7-8	9+	4000	998·2	-18	S	4-	rr	49	95	6	6	-	-	10	10	4000	1	3	bcc	c.rr	odd	cpd
Wick	1003·2	0	WNW	2	bc	53	75	8	7	6	8	4-6	4-6	4000	1001·3	-14	SW	2	c	50	85	8	5	1	-	4-6	10	2500	0	2	bc	bc p r c	or. r	or. r c
Tiree	1005·8	-10	SW	3	c	50	85	9	5	2	-	4-6	9+	2500	1000·1	-12	S'E	6	DD	49	95	6	6	-	-	10	10	800	1	3	c p r.	c. r. R, ≡	OD bc	prc
Nairn	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1001·1	.	-	0	c	49	85	8	8	-	-	7-8	7-8	4000	0	4	c bc	bcc	cpr	pr.c
Aberdeen	1005·0	+4	WNW	3	bc	52	65	8	7	-	-	2-3	2-3	2500	1003·5	-16	SSW	3	c	49	75	6	-	-	6	0	7-8	-	1	0	c bbc	bc	cir.	cr.cc bcb
Malin Head ...	1007·4	-12	SW	3	c p b	50	95	8	3	1	-	2-3	10	1500	1001·3	-3+	SW	4	rr	52	95	5	6	-	-	10	10	800	1	3	c p r.	c r r m. m.	oir d. c bc	bcc
Renfrew	1007·3	+4	W	3	c	53	75	7	8	-	-	7-8	7-8	2500	1005·6	-10	SW	1	c/r	48	95	6	5	2	-	7-8	10	2500	1	4	b bcc	c r c r. c m.	o ≡ d m.	od m c
Inchkeith (Edin.)	1006·3	+4	WSW	3	bc	53	65	8	1	8	-	4-6	4-6	1500	1005·4	-4	WSW	3	c	49	85	7	5	2	-	4-6	9+	1500	0	1	bc	bcc	or. r. i. r.	ocbc i r.
Leuchars	1006·1	+2	WNW	3	bc	54	65	8	1	-	-	2-3	2-3	4000	1004·8	-10	SW	3	c	48	85	8	5	2	-	4-6	10	2500	1	4	b w b bc	bcc, c	cr. r. c	cir. bcb n
Eskdalemuir ...	1007·3	+8	W'N	3	bc	52	65	8	7	-	-	4-6	4-6	1500	1006·1	-16	S	2	c	46	85	8	-	2	-	0	10	-	1	4	b x b bc	bco	or. odd	odd. bc
Tynemouth ...	1007·7	+14	NW	2	bc	54	65	7	1	-	-	4-6	4-6	2500	1007·0	+2	W	2	c	50	75	6	6	-	-	7-8	7-8	1500	0	2	obc	bc	cor. r.	ou. dc
Blacksod Point ...	1008·8	-20	S	4	rr	54	95	6	6	-	-	10	10	450	1005·4	-14	WSW	7	rr	54	95	6	6	-	-	10	10	450	1	6	rro	rr	pro	pw.
Aldergrove ...	1009·7	-6	WSW	3	c	50	75	8	5	-	-	7-8	9+	2500	1008·8	-34	SSE	4	rr	47	95	7	6	2	-	7-8	10	1500	1	4	c p b c c	c r r m.	c r r. i r.	c
Donaghadee ...	1009·3	-4	WSW	1	c	51	75	7	4	2	-	4-6	7-8	4000	1005·7	-20	WSW	1	rr	48	95	7	6	-	-	10	10	800	1	0	bcc	cor r	orr c	c
Birr Castle ...	1011·9	-10	SW	1	rr	53	85	7	6	-	-	10	10	2500	1008·3	-18	SW	2	rr	54	95	6	6	-	-	10	10	2500	1	4	cor	orr	orr	0 r r c
Holyhead	1011·0	+2	W'N	5	c	53	75	8	4-	-	6	2-3	9+	2500	1009·3	-18	SW	5	rr	50	95	6	6	2	-	4-6	10	1500	1	2	c b c	c	r r r.	r. o. bc
Liverpool (Bidston)	1009·9	+6	W	5	b r.	52	85	8	9	-	-	9+	9+	1500	1009·8	0	WSW	3	0	49	75	8	5	-	-	10	10	1500	0	4	c r. i. c	p. c. c	cp R r	o R bc
Chester (Sealand)	1010·4	+10	WNW	4	b r.	53	85	7	9	-	-	9	9	2500	1010·4	-4	SW	1	c	50	85	7	5	2	-	4-6	10	4000	0	4	b c c p r.	c	crr	r r. c
Harrogate	1007·9	+4	WSW	3	c	53	65	9	9	-	-	7-8	7-8	4000	1008·6	+6	SW	3	bc	48	85	7	9	-	-	2-3	2-3	4000	1	4	b b c c	c b	b b c p	b c c
Spurn Head ...	1005·9	+12	NNW	5	c	53	75	7	2	2	-	4-6	7-8	4000	1007·6	+6	W	3	c	51	85	6	5	3	-	4-6	7-8	1500	0	3	bc	bc	cor	or c d.
Birmingham ...	1009·9	+4	WNW	4	c	51	75	6	6	3	-	7-8	9	2500	1011·3	+4	WSW	3	c	49	85	6	5	2	-	7-8	10	4000	1	4	c p r.	c	cor. r r	r
Cranwell	1008·2	+12	NW	4	bc	53	65	7	2	-	-	4-6	4-6	4000	1010·2	+14	W'N	2	bc	47	85	6	7	-	-	2-3	2-3	4000	0	4	c z o b	c b c z c	cr. or r m.	c r r m.
Gorleston	1006·5	+8	W'N	4	c	52	75	6	5	-	-	9	9	2500	1009·0	+14	W'N	1	bc	50	85	6	-	3	-	0	4-6	-	0	2	b c c i r. c	c b c	bc b b c	cor. r.
Valentia Obs. ...	1014·6	-8	SW	4	t i r.	54	95	6	5	-	-	10	10	4-50	1012·9	-14	SW	5	t i r.	55	95	7	5	-	-	10	10	800	1	4	o l d. t i r.	o i r. o o i r.	ou. orr	orr c
Roches Point ...	1013·9	-10	SW	2	c	54	95	8	3	-	-	9	9	1500	1011·8	-14	W	3	c	56	95	8	3	-	-	9	9	1500	1	2	c p o c	c p o c	cir. c	cir.
Pembroke	1013·2	0	NW	3	bc	53	65	8	7	4-	-	2-3	4-6	2500	1011·6	-4	SW	3	rr	52	95	6	3	2	-	4-6	10	1500	1	2	c b c	b c r r	orr q	o R r q
Ross-on-Wye ...	1011·2	+10	WNW	4	c	54	65	8	8	-	-	9+	9+	4000	1012·0	+4	WSW	2	c	49	75	8	5	1	-	2-3	10	4000	1	4	b c c	c	c orr	r r c
Leafield	1010·7	+6	W'N	4	c	51	75	9	7	-	-	9+	9+	5700	1011·8	+6	W	3	c	48	85	8	5	-	-	10	10	5700	0	4	b c c	c	cor	orr c
Cardington ...	1009·5	+10	W'N	4	c	54	65	7	8	-	-	7-8	7-8	2500	1011·0	+4	WSW	2	bc	48	85	6	5	-	-	2-3	2-3	4000	0	4	bc	b c c b c m.	b b c r	orr
Winchester ...	1011·6	+6	WNW	4	c	54	75	8	7	-	-	7-8	7-8	4000	1012·8	+10	W'S	2	bc	49	85	7	7	3	-	4-6	4-6	4000	1	4	bc	b c o b c	≡ ≡ ≡ ≡	orr
S. Farnborough ...	1011·0	+6	WNW	3	c	55	65	8	4	-	-	9+	9+	4000	1012·0	+8	WSW	2	c	51	85	6	5	-	-	7-8	7-8	4000	1	4	b, c	c	cm. b corr	orr cv
London (Kew) ...	1010·8	0	W'N	3	bc	54	65	8	4	-	-	4-6	4-6	4000	1012·3	+10	WSW	1	c	52	75	5	4	3	-	4-6	7-8	4000	1	4	bc	b c c m.	bm. wor	orr c m.
Croydon	1010·9	+6	Z	4	Z	54	66	6	8	-	-	9	9	2500	1012·1	+6	WSW	3	Z	51	75	5	5	-	-	7-8	7-8	2500	1	4	bcc	c b c c	bc cor. r. m.	prr. d. m.
Manston	1008·8	0	W'N	4	c	54	75	8	4	-	-	9	9	2500	1010·9	+14	W'N	2	b	49	85	7	5	-	-	1	1	2500	1	4	c	c b	b b c	bc. orr m.
Shoeburyness ...	1009·4	+10	WNW	3	c	54	65	8	4	6	-	7-8	7-8	2500	1011·2	+10	W	1	bc	48	85	6	4	3	-	2-3	2-3	4000	0	4	c b c c	c b c m.	bc m.	or. r c m.
Clacton-on-Sea ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1010·6	+10	WNW	4	bc	51	85	7	8	-	-	4-6	4-6	800	0	2	b c c b c	bc	bc	bc corr
Felixstowe ...	1008·2	-2	WNW	4	bc	55	65	9	1	-	-	4-6	4-6	4000	1010·8	+14	WNW	4	bc	51	85	8	5	-	-	4-6	4-6	4000	0	2	b a p i. c b c	b c v c p i.	bcc	orr
Scilly (St. Mary's)	1016·3	-4	NNW	2	d. d.	54	95	4	5	-	-	10	10	2500	1015·7	-4	NW	5	c i.	55	95	6	6	-	-	10	10	2500	1	3	c p d	d r f r o	oir	orr c
Falmouth	1016·6	+6	WNW	4	bc	56	75	8	2	3	-	2-3	4-6	4000	1015·6	-6	SW	3	c i.	52	95	6	6	2	-	4-6	10	2500	1	1	b c p.	b z r o	oir m.	oir m.
Plymouth	1014·9	+2	NNW	4	c	53	85	8	5	-	-	9	9	2500	1014·6	-2	WNW	3	c i.	53	95	7	6	-	-	10	10	1500	1	2	c d.	c o r.	orr cm.	corr m.
Portland Bill ...	1012·8	+4	WNW	4	c	55	95	8	4	-	-	9+	9+	2500	1013·4	+4	WNW	4	c	54	85	8	4	-	-	7-8	7-8	2500	1	4	bcc	c	RR	o R R c
Calshot, S'hampton	1011·6	0	NW	4	c	55	65	8	5	4	-8	9+	9+	4000	1013·2	+8	W'N	2	c	50	85	7	5	1	6	2-3	9+	5700	0	1	bc c	o	c, cr. r.	cr. r. orr
Dungeness ...	.	.	NW	3	bc	.	.	7	2	6	.	2-3	4-6	4000	.	.	WNW	3	bc	.	.	7	8	3	.	2-3	4-6	4000	.	2	bc	bc	r	r
Lympne	1009·8	+2	W'N	4	Z	54	65	6	2	-	-	2-3	2-3	2500	1011·7	+10	W'N	3	Z	48	85	6	5	-	-	Tr.	Tr.	4000	1	4	b a p i. b c	b c z o	bwc m.	corr f d
Guernsey	1014·9	+4	WNW	3	c	57	65	7	5	2	6	4-6	7-8	2500	1015·3	+4	NW	2	bc	54	65	9	5	-	-	4-6	4-6	2500	1	2	c p. b c	c p r bc	bc orr	orr or

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus,
R, heavy rain. r_o, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, solar halo. ☾, lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

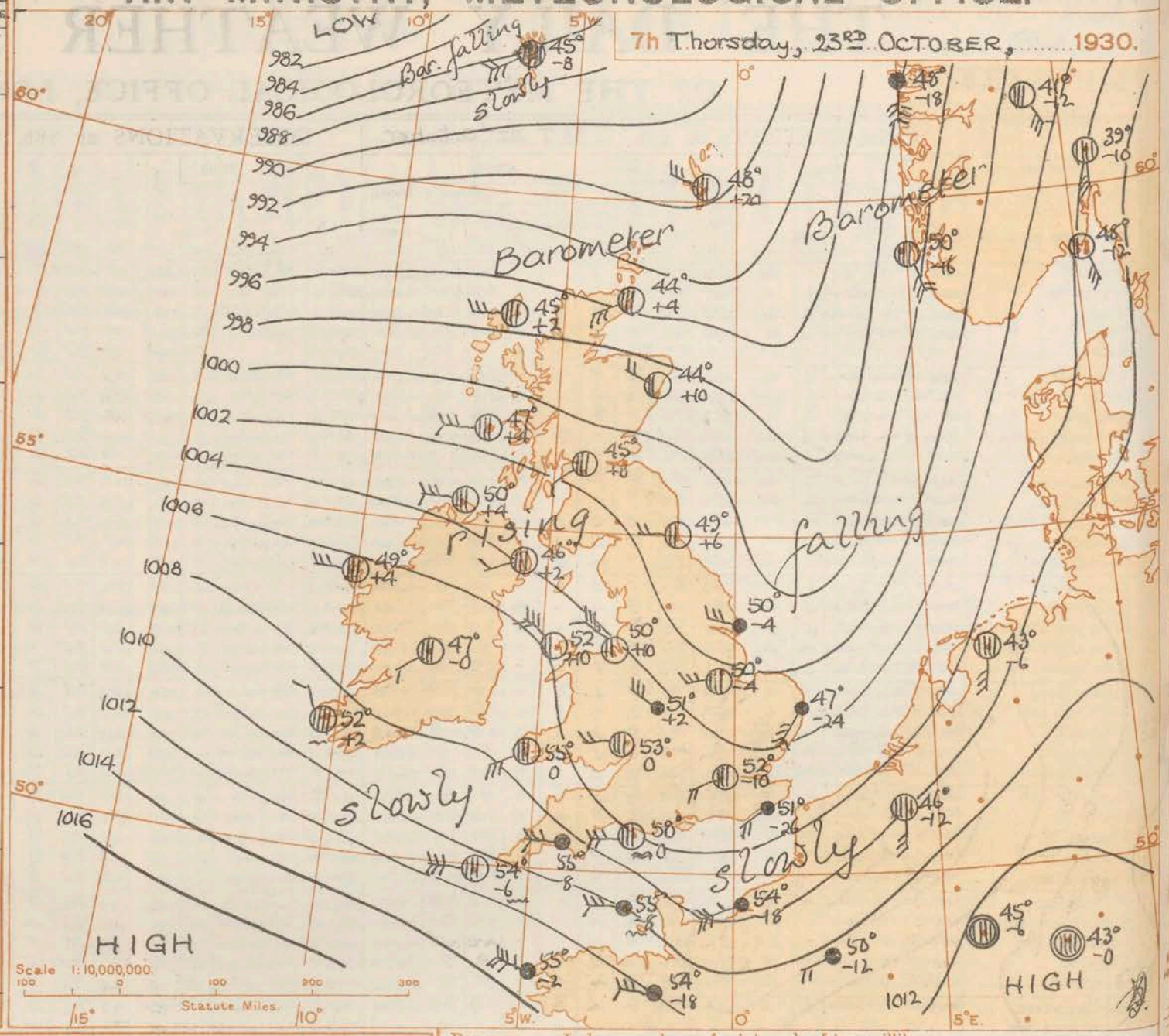
REPORTS from HEALTH RESORTS for 22nd OCTOBER 1930.

STATIONS	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. 9h.21st to 9h.22nd	TEMPERATURE. Max. 9h.—17h. 22nd	RAINFALL. Night. 17h.21st to 9h.22nd	RAINFALL. Day. 9h.—17h. 22nd	SUNSHINE. Sunrise to Sunset. 22nd
Dunbar	bwm$_o$	bco	43	54	-	-	6.5
Berwick-on-T.	bc	bcc	45	53	1	-	5.8
Douglas	cb	bcc	46	52	4	-	4.3
Llandudno	c	r$_o$co	49	54	1	0.1	1.1
Colwyn Bay	oror	bro	48	54	3	0.3	0.3
Rhyl	cprc	co	49	54	3	0.3	0.6
Wallasey	irc	c	44	53	10	1	0.3
Southport ... ‖ ...	cocpc	co	50	53	3	0.1	3.2
Blackpool	cp	cp	48	53	5	0.2	1.0
Morecambe	b	b	44	54	1	-	5.3
Ilkley	bc	bc	43	56	8	-	6.3
Cleethorpes	cb	bc	45	55	3	-	5.2
Mablethorpe	cbc	becm$_o$	45	55	1	-	5.4
Skegness...	b	bco	45	58	-	-	5.7
Aberystwyth	cprc	c	49	53	6	-	0.6
Bath	cbc	bcc	46	55	Tr.	-	2.5
Cheltenham ... † ...	bwbcc	becz$_o$	45	55	-	-	4.0
Leamington Spa	oc	cog	45	54	1	-	1.8
Lowestoft	id$_o$oc	d$_o$cbc	44	53	1	Tr.	2.2
Dovercourt	doc	bcc	43	55	Tr.	-	2.9
Maldon	cbbc	b	38	56	-	-	5.3
Southend	cmbcc	cbcb	45	59	-	-	5.7
Ilfracombe	oc	bcc	49	55	3	-	1.4
Bude	ocbc	cr	43	55	-	2	0.9
St. Ives	c	bccod	49	56	3	Tr.	2.3
Penzance	cbccc	r$_o$m	51	58	2	0.2	1.2
Torquay	prbc	bcco	47	!	3	-	4.4
Jersey	rqcbc	bcc	47	57	5	-	2.0
Weymouth	bbc	c	47	58	Tr.	-	3.8
Bournemouth	b, co	co	43	57	0.3	-	5.8
Ventnor	cb	bco	47	57	Tr.	-	6.5
Southsea	bbcc	bc	42	57	-	-	4.9
Bognor Regis	bcb	bbcbbc	45	56	-	-	4.5
Littlehampton	bc	bc	43	57	-	-	4.8
Worthing	cbc	r$_o$c	45	57	Tr.	Tr.	4.2
Brighton...	bcc	bc	45	57	-	-	4.3
Eastbourne ... † ...	bbcc	oc	45	57	-	-	5.2
Hastings ... † ...	bmbcc	cbcc	43	57	0.4	-	5.8
Folkestone	rcbc	bcc	41	57	1	-	5.1
Dover	cbc	pcem	44	56	1	-	4.2
Deal	cb	bco	43	57	1	-	3.3
Tunbridge Wells	bbc	bcc	40	55	Tr.	-	4.5
Ramsgate	c	c	43	55	0.2	-	2.5
Margate...	bc	bc	43	55	0.3	-	2.6

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Thursday, 23rd OCTOBER, 1930.



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

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 23rd Oct. 1930.
1. S.E. England 2. E. England... 3. E. Midlands	Fresh westerly winds, backing; cloudy, some rain; rather mild.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Fresh westerly to southerly winds, strong at times; cloudy, some rain; rather mild.
8. N.W. England	Fresh westerly winds, backing; mainly cloudy, occasional rain at first, more general rain later; rather mild.
9. N. Midlands 10. N.E. England	
11. S.E. Scotland	As 1- 3.
12. S.W. Scotland & Isle of Man	As 8.
13. A. W. Scotld. / B. N.W. Scotland.	
14. Mid-Scotland	
15. N.E. Scotland 16. Orkneys and Shetlands.	Fresh westerly winds, backing later; mainly cloudy, occasional rain or showers; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 4 - 7.

GENERAL INFERENCE.

A deep depression is centred over Iceland and disturbances on its southern boundary are likely to move across the British Isles. Some rain will be experienced in most districts.

FURTHER OUTLOOK.

Some further rain in most districts.

Time of issue of gale warning.

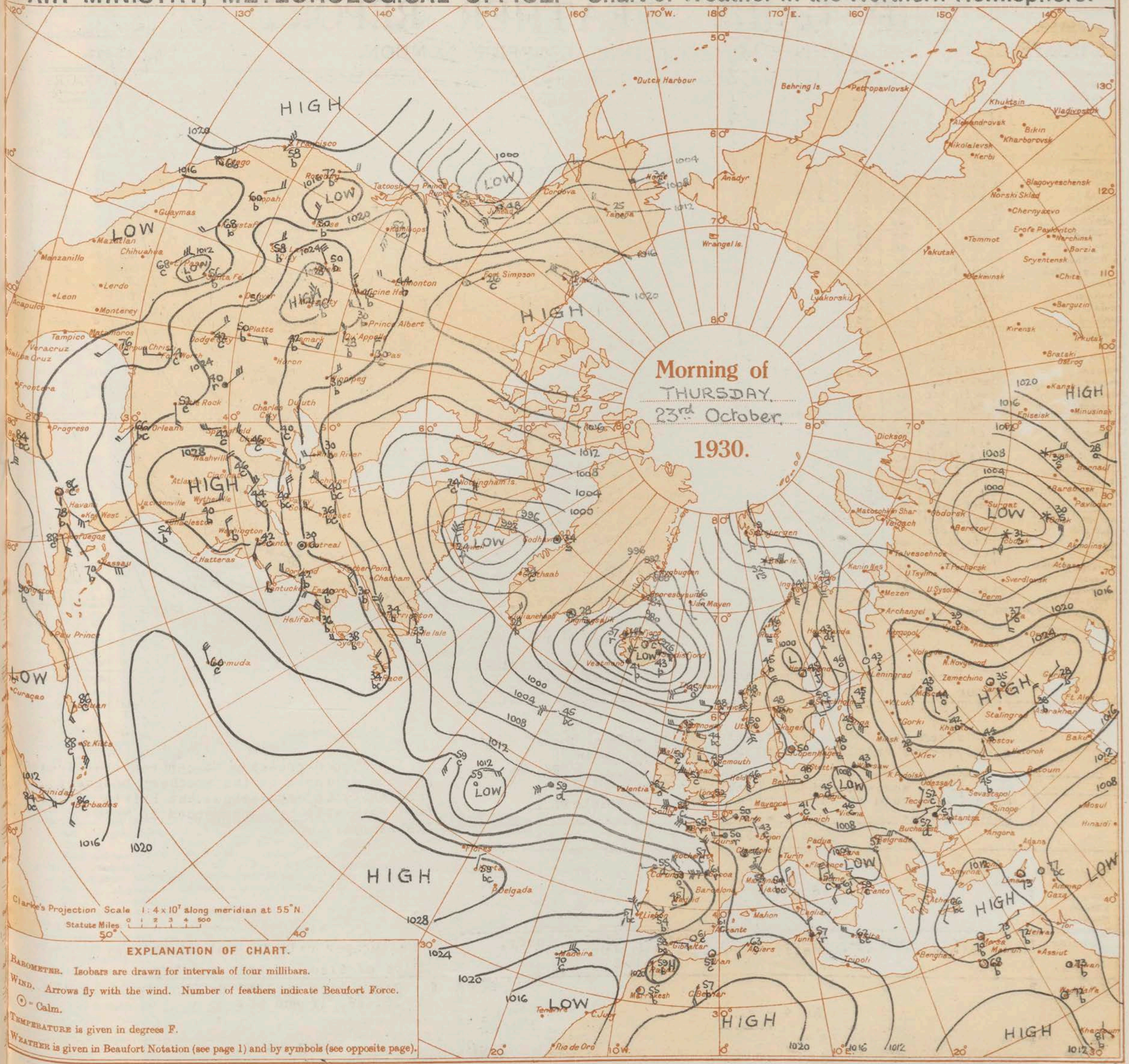
South cone at 1855 on 22nd in 13A., 13B., 15, 16, 17 and 20.

Forecasts issued at 0930 G.M.T.

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

H.M. Stationery Office Press, Kingsway W.C.2. Pa.2495/2138. Wt.28. 3.6026. Gp.908. 24[illegible]

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

⊙ = Calm.

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 23rd October 1930.

No. 25.172.

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

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)
Lerwick	54	9950	-28	S	3	c	50	85	7	6	2	-	4-6	10	1500
Stornoway ...	34	9954	+10	NW	2	bc	48	95	8	5	-	-	4-6	4-6	4000
Wick	81	9947	-26	SW	6	r.r.	48	95	8	6	-	-	10	10	1500
Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head ...	51	10012	+6	WNW	4	bc/p	51	85	7	8	-	-	4-6	4-6	2500
Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Inchkeith (Edin.)	190	9998	-24	WSW	1	c	50	85	8	-	2	-	0	10	-
Leuchars	30	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth ...	67	10020	-14	S	3	r.	48	95	7	6	-	-	10	10	1500
Blacksod Point ...	10	10056	+2	W	4	bc	50	75	7	8	-	-	4-6	4-6	800
Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead... ...	26	10050	-6	W	6	r.r.	55	95	6	6	-	-	10	10	800
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Harrogate... ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head ...	29	10048	-8	SW's	3	rr	47	95	6	6	-	-	10	10	2500
Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	241	10059	-22	SSW	3	rr	46	95	8	6	-	-	10	10	800
Gorleston	14	10081	-12	SW	2	bc	45	95	6	-	1	-	0	4-6	-
Valentia Obs.† ...	30	10087	-14	SW	7	RR	50	95	7	6	-	-	10	10	2500
Roches Point ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke... ...	150	10065	-18	WSW	4	RR	55	95	6	6	-	-	10	10	800
Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Winchester ...	272	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	244	10094	-18	S	3	r.r.	46	95	6	6	-	-	10	10	800
Manston	135	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Clacton-on-Sea ...	55	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Scilly (St. Mary's)	163	10131	-14	WNW	6	r.r.	54	95	6	6	-	-	10	10	2500
Falmouth... ...	200	10126	-10	WSW	5	ir.	55	95	6	6	-	-	10	10	2500
Plymouth... ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill ...	32	10088	-24	WSW	4	RR	56	95	7	5	-	-	10	10	800
Calshot, S'hampton	8	10091	-30	SWW	4	r.r.	53	95	7	6	2	-	7-8	10	1500
Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	347	10101	-14	SWW	2	z	45	95	6	5	1	-	7-8	10	1500
Guernsey	173	10130	-12	WNW	3	rr	55	96	6	6	-	-	10	10	1500

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

Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°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)
Lerwick	9918	+20	W'N	3	c/r	56	95	7	8	-	-	7-8	7-8	1500	1	*
Stornoway ...	9967	+2	W	3	c	45	85	8	9	6	-	7-8	9	4000	1	2
Wick	9958	+4	WSW	3	c	44	85	8	4	-	8	7-8	10	1500	1	3
Tiree	10014	+4	NW'W	4	c	47	85	7	6	7	-	4-6	9	2500	0	3
Nairn	9982	*	SW	1	c	42	85	8	3	-	-	7-8	7-8	2600	1	*
Aberdeen	9991	+10	WNW	2	bc	44	86	7	5	3	-	2-3	2-3	4000	1	1
Malin Head ...	10029	+4	W	4	c	50	75	8	4	6	-	4-6	7-8	4000	0	3
Renfrew	10017	+8	SW	1	c	46	95	6	5	-	-	7-8	7-8	2600	1	*
Inchkeith (Edin.)	10001	+6	WSW	4	bc	48	85	7	5	5	-	2-3	2-3	1500	0	2
Leuchars	10002	+8	WSW	3	bc	42	95	8	5	-	-	2-3	2-3	4000	1	*
Eskdalemuir ...	10021	+6	W'N	3	bc	44	75	8	5	-	-	4-6	4-6	2500	1	*
Tynemouth ...	10009	+6	W	2	bc	49	85	7	7	-	-	4-6	4-6	2500	1	1
Blacksod Point ...	10067	+4	W	3	c	49	75	7	5	7	-	4-6	7-8	800	1	3
Aldergrove ...	10052	+8	WSW	3	c	46	85	7	5	2	-	9	10	1500	1	*
Donaghadee ...	10037	+2	WSW	1	c	46	85	7	5	-	-	7-8	7-8	1500	0	0
Birr Castle ...	10074	0	SW	1	c	47	95	6	-	2	-	0	10	-	1	*
Holyhead... ...	10061	+10	NW	5	c	52	76	7	7	-	2	4-6	7-8	1500	1	3
Liverpool (Bidston)	10038	+10	WNW	4	bc	50	85	7	5	3	-	4-6	4-6	1500	1	*
Chester (Sealand)	10045	+12	WNW	3	c	50	95	6	5	-	-	7-8	7-8	1500	1	*
Harrogate... ...	10020	0	SW	3	c	48	95	8	9	9	-	2-3	7-8	2500	1	*
Spurn Head ...	10012	-4	W'N	3	d.d.	50	95	5	6	2	-	7-8	10	2500	1	3
Birmingham ...	10045	+2	NW	3	ir.	51	95	5	6	-	-	10	10	800	1	*
Cranwell	10025	-4	W	3	0	50	95	5	5	-	-	10	10	800	1	*
Gorleston	10033	-24	SSW	4	r.r.	47	95	6	6	-	-	10	10	1500	1	2
Valentia Obs.† ...	10084	+2	NWN	1	c	52	95	8	6	-	-	10	10	800	1	4
Roches Point ...	10078	+4	NW	3	ir.	51	95	7	6	-	-	9	9	1500	1	2
Pembroke... ...	10061	0	WSW	3	c	55	95	7	3	8	-	4-6	9+	1500	2	3
Ross-on-Wye ...	10047	0	W	2	c	53	95	8	5	-	8	7-8	9	2500	1	*
Leafield	10040	0	W'N	3	c	52	95	8	6	-	-	9+	9+	1500	1	*
Cardington ...	10037	-2	W's	2	c/r	52	95	8	5	-	-	9+	9+	1500	1	*
Winchester ...	10042	-8	W	3	o/r	53	95	8	5	-	-	10	10	800	1	*
S. Farnborough ...	10046	-4	W's	2	c/r	53	95	8	5	-	-	9+	9+	1500	1	*
London (Kew) ...	10045	-10	WSW	2	c/r	52	95	5	5	8	-	4-6	7-8	2500	1	*
Croydon	10052	-6	WSW	3	d.d.	52	95	5	6	-	-	10	10	450	1	*
Manston	10045	-18	SSW	3	rr	50	96	6	6	-	-	10	10	800	1	*
Shoeburyness ...	10041	-22	SSW	2	c/r	50	95	5	5	-	-	9+	9+	1500	1	*
Clacton-on-Sea ...	10041	-30	S	4	rr	51	95	6	6	-	-	10	10	220	1*	3
Felixstowe ...	10044	-24	SSW	4	rr	50	96	7	6	-	-	10	10	220	1	3
Scilly (St. Mary's)	10102	-6	W'N	6	c	54	96	6	5	-	-	9+	9+	4000	1	4
Falmouth... ...	10092	-6	W'N	5	r.r.	55	96	6	6	2	-	7-8	10	2500	2	3
Plymouth... ...	10082	-8	WNW	4	ir.	56	96	7	6	-	-	10	10	450	1	2
Portland Bill ...	10059	0	W	5	c	56	96	8	4	-	-	9+	9+	1500	1	5
Calshot, S'hampton	10056	-10	W	3	d.d.	54	96	6	5	-	-	9+	9+	1600	1	1
Dungeness ...	*	*	W	3	RR	*	*	6	6	-	*	10	10	1600	*	2
Lympne	10046	-26	SW	2	df	51	95	2	6	-	-	10	10	4150	1	*
Guernsey	10094	-8	WNW	4	rr	55	95	5	6	-	-	10	10	1500	2	4

PAST 24 HOURS.

Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 22nd Hrs. (36)
Lerwick	53	48	*	-	5	4.2
Stornoway ...	53	40	*	1	1	3.2
Wick	54	42	*	0.1	0.6	*
Tiree	51	47	41	3	1	0.2
Nairn	52	42	*	-	1	5.1
Aberdeen	55	42	33	-	1	5.0
Malin Head ...	52	49	*	6	1	1.0
Renfrew	54	43	40	1	1	0.0
Inchkeith (Edin.)	53	46	44	-	2	2.4
Leuchars	57	42	31	-	2	6.7
Eskdalemuir ...	53	42	35	-	4	6.7
Tynemouth ...	55	48	43	-	1	*
Blacksod Point ...	56	48	*	5.13	2.6	*
Aldergrove ...	52	45	41	5	1	2.2
Donaghadee ...	52	46	*	2	4	*
Birr Castle ...	54	46	36	7	8	0.3
Holyhead... ...	54	50	47	0.5	12	2.7
Liverpool (Bidston)	52	46	45	0.1	8	0.8
Chester (Sealand)	54	47	46	0.2	5	1.5
Harrogate... ...	56	45	43	-	1	7.3
Spurn Head ...	54	45	*	-	2	6.3
Birmingham ...	52	45	44	0.1	6	1.0
Cranwell	55	46	41	-	5	5.1
Gorleston	54	44	42	Tr.	0.6	0.8
Valentia Obs.† ...	55	52	51	2	13	0.0
Roches Point ...	57	51	*	0.2	2	*
Pembroke... ...	54	51	*	3	18	1.4
Ross-on-Wye ...	54	47	45	-	4	2.0
Leafield	53	44	44	-	5	3.5
Cardington ...	55	43	41	Tr.	6	4.3
Winchester ...	56	46	46	-	7	4.6
S. Farnborough ...	56	46	43	-	6	4.8
London (Kew) ...	55	47	40	Tr.	5	4.4
Croydon	55	46	44	-	5	3.0
Manston	55	44	37	-	5	2.8
Shoeburyness ...	57	46	42	-	6	5.8
Clacton-on-Sea ...	56	46	43	-	5	3.5
Felixstowe ...	56	46	41	Tr.	3	2.9
Scilly (St. Mary's)	55	54	*	2	4	0.0
Falmouth... ...	57	52	*	0.1	7	1.8
Plymouth... ...	56	52	50	0.1	5	1.1
Portland Bill ...	57	51	*	-	10	*
Calshot, S'hampton	56	48	44	-	8	4.3
Dungeness ...	57	46	*	-	6	*
Lympne	55	48	40	0.1	6	5.8
Guernsey	57	53	49	0.2	15	4.9

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h. 23rd								Yesterday.		To-day.	
Kew	18	bc	bccm	bm,Wor	55	47	40	Tr.	5	4.4	*	*	6
Croydon	244	bcc	cbcc	bccor,r,m	55	46	44	-	5	3.0			6
Greenwich (Royal Observatory) ...	149	C.	C.	cbw,rrc	57	46	36	Tr.	5	3.2	65	94	4
City (Bunhill Row)	—	*	*	*						3.2			*
Westminster (St. James' Park) ...	27	*	*	*	57	47	43	.6	.	3.1	68	97	*
Regents Pk. (Botanic Gardens) ...	168	*	*	*	*	*	*	*	*	2.9	*	*	*
Camden Square	110	bc	c/pc	*	57	48	*	Tr.	7	*	*	97	*
Kensington Palace	80	bc	C	*	55	47	41	-	6	*	At 18h. 79	92	*
Hampstead Observatory	450	bcor	bcm	*	56	43	39	0.3	7	4.6	*	97	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
1.0	18h 22nd	<0.3	0-6h 23rd.

Kew Observatory. Max.	Time.	Min.	Time.
0.4	12h 22nd	<0.1	2-3h 23rd.

FOREIGN OBSERVATIONS.

18h. G.M.T. 22nd October

7h. G.M.T. 23rd October

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	1013.4	WNW	3	bc	50	1011.4	WSW	2	rr	50	59	48	4	4
Brussels	1011.2	SW	2	c	46	1008.2	S	3	c	46	54	43	3	-
Berlin														
Zürich	1014.6	N	2	c	45	1014.2	N	1	0	43	52	43	1	0.5
Rome	1008.6	S	4	bc	55	1005.1	N	3	c	54	?	48	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	1⅓ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 24th October 1930.

No 25173

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

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)	0-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)
Lerwick	993.6	+6	W	3	c|p	48	75	7	8	8	-	4-6	7-8	1500
Stornoway	996.2	-8	WSW	4	pr	47	95	8	3	4	-	4-6	7-8	4000
Wick	996.2	-6	W	4	c|p	48	75	8	3	8	-	4-6	7-8	2500
Tiree	1000.7	-8	WSW	5	be|p	50	75	8	8	3	9	4-6	4-6	2500
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	998.9	-4	WSW	2	c	53	55	8	8	4	-	7-8	7-8	2500
Malin Head	1002.7	-4	WSW	5	be|p	52	86	7	8	8	9	2-3	4-6	2500
Renfrew	1002.3	+2	WNW	3	c	51	65	7	8	3	-	2-3	7-8	2500
Inchkeith (Edin.)	1001.3	-2	WSW	3	be	49	75	8	5	1	9	2-3	4-6	800
Leuchars	1000.7	-2	W	4	c	50	66	8	8	3	-	7-8	9	4000
Eskdalemuir	1002.4	-2	WNW	3	c	45	75	8	5	5	-	4-6	9	2500
Tynemouth	1001.2	0	WNW	2	be	55	85	7	1	-	2	2-3	4-6	4000
Blacksod Point	1006.2	-2	W	4	c	50	75	7	8	-	1	9	9	220
Aldergrove	1005.0	+4	SWW	3	pr	49	85	7	5	2	-	4-6	9+	5700
Donaghadee	1004.0	+2	W	1	c	48	85	7	5	-	-	7-8	7-8	1500
Birr Castle	1007.2	-4	WSW	1	0	51	85	7	5	-	-	10	10	4000
Holyhead	1006.2	+2	NWW	5	c	53	75	7	5	2	-	9	10	4000
Liverpool (Bidston)	1004.6	0	W'N	4	c	52	75	7	5	2	-	2-3	9	2500
Chester (Sealand)	1005.4	0	WNW	3	c	53	75	7	5	1	-	7-8	10	2500
Harrogate	1002.8	0	W	3	be	52	65	8	9	-	8	4-6	4-6	4000
Spurn Head	1001.9	0	NW	4	c	53	75	7	3	3	1	2-3	9	4000
Birmingham	1005.3	0	NW	4	c	51	65	5	6	1	-	2-3	9+	2500
Cranwell	1003.2	-6	W'N	4	c	51	75	6	5	3	6	2-3	9	4000
Gorleston	1002.4	-4	NW	3	c	53	85	6	6	2	-	7-8	10	2500
Valentia Obs.	1008.9	+2	W	3	c	54	85	7	5	-	-	9	9	1500
Roches Point	1007.0	-6	NW	2	c	54	95	8	3	-	-	9	9	1500
Pembroke	1006.8	-2	NW	3	c	54	75	7	-	3	-	0	10	-
Ross-on-Wye	1005.6	-4	WNW	3	c	55	65	8	6	1	-	2-3	10	2500
Leafield	1005.1	0	NWW	3	c	53	75	8	2	1	-	7-8	10	6700
Cardington	1004.7	+2	NW'W	3	c	54	75	6	5	1	-	4-6	10	2500
Winchester	1005.4	-4	WNW	3	c	57	86	8	5	2	-	9	10	1500
S. Farnborough	1005.1	-2	W	1	c	55	85	7	5	-	-	10	10	2500
London (Kew)	1005.2	+4	WNW	2	c	54	85	7	5	-	-	10	10	7200
Croydon	1005.4	-2	NW	3	c|pr	54	85	6	5	2	-	2-3	10	1500
Manston	1003.6	-4	WSW	3	c	56	85	6	5	2	-	9	10	800
Shoeburyness	1004.0	-2	NW	3	c	56	85	7	5	-	-	10	10	1500
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	1003.7	-2	NWW	3	r	54	95	6	6	2	-	4-6	10	800
Scilly (St. Mary's)	1009.2	-6	WNW	5	c	56	95	5	5	-	6	4-6	9	2500
Falmouth	1008.7	-10	W	4	c	57	85	8	5	-	-	9	9	4000
Plymouth	1007.7	-20	NW	3	ir	57	86	8	6	1	1	9	9+	1500
Portland Bill	1006.1	-4	W'N	4	c	59	85	7	6	2	-	7-8	9+	1500
Calshot, S'hampton	1005.9	-4	NWW	4	c	59	75	8	8	2	-	7-8	9+	1500
Dungeness	1005.4	*	W	3	c	*	7	5	3	*	*	4-6	7-8	1500
Lympne	1003.8	-6	NWW	3	m	57	85	6	5	2	-	4-6	10	1500
Guernsey	1008.8	-8	W	3	c	58	85	7	5	-	-	10	10	2500

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

Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	0-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)
Lerwick	990.7	-6	SSW	2	c|pr	44	85	7	9	6	-	4-6	7-8	1500	1	*
Stornoway	994.5	-4	WSW	4	be|r	43	95	7	3	4	-	4-6	4-6	4000	1	2
Wick	994.9	-12	W	3	c|pr	41	85	8	8	4	8	4-6	7-8	1500	1	2
Tiree	999.6	-6	W'N	6	bc	47	65	8	2	-	8	2-3	2-3	2500	0	4
Nairn	995.0	*	W	1	c|pr	43	95	8	3	-	-	7-8	7-8	1500	1	*
Aberdeen	997.4	-8	SSW	2	bc	45	85	6	5	-	-	2-3	2-3	4000	1	0
Malin Head	1002.1	0	NW	4	c|ph(r)	45	95	7	9	3	-	7-8	7-8	1500	1	3
Renfrew	1000.8	-14	WSW	1	pr	44	96	7	8	-	-	9	9	2500	1	*
Inchkeith (Edin.)	1000.1	-6	WSW	3	c	47	75	7	5	1	-	4-6	7-8	800	0	1
Leuchars	999.1	-6	SW	2	c	45	75	8	4	3	-	7-8	7-8	4000	1	*
Eskdalemuir	1001.1	-6	WSW	3	bc	43	85	8	5	-	-	4-6	4-6	2500	1	*
Tynemouth	1000.8	-4	W	2	bc	47	75	7	2	6	-	2-3	4-6	2500	0	2
Blacksod Point	1005.0	-2	W	4	c	49	75	8	8	-	-	9	9	220	0	3
Aldergrove	1003.7	-2	WSW	3	c	45	85	7	5	-	-	9	9	1500	1	*
Donaghadee	1002.9	-4	W	1	c|pr	46	86	7	6	-	-	7-8	7-8	800	1	0
Birr Castle	1006.7	0	WSW	1	c	47	85	7	5	-	-	9	9	4000	1	*
Holyhead	1005.3	-2	W	5	c	52	75	7	4	3	-	4-6	9+	4000	1	3
Liverpool (Bidston)	1003.7	-4	WSW	4	cu	49	85	7	5	2	-	7-8	9	2500	0	*
Chester (Sealand)	1004.9	-4	SW'S	1	c|r	49	85	6	5	2	-	7-8	9	1500	1	*
Harrogate	1002.4	0	SW	3	c	47	75	7	4	-	-	7-8	7-8	4000	1	*
Spurn Head	1001.8	0	NW'W	3	c	51	85	6	5	3	-	2-3	7-8	1500	0	2
Birmingham	1004.9	-4	W	2	c	49	75	5	6	3	-	4-6	7-8	2500	1	*
Cranwell	1003.4	-2	W	2	bc	46	85	5	-	3	9	0	2-3	-	1	*
Gorleston	1003.1	0	W	2	c	50	85	6	5	6	-	2-3	7-8	2500	0	2
Valentia Obs.	1009.5	+6	W'N	4	bc	52	75	?	7	-	1	4-6	4-6	1500	1	3
Roches Point	1007.4	+4	NW	3	bc	53	85	8	3	-	-	2-3	2-3	2500	0	2
Pembroke	1006.0	-2	NW	2	c	53	85	7	3	6	9	4-6	7-8	1500	1	2
Ross-on-Wye	1005.5	0	W	2	c	48	75	7	-	8	-	0	7-8	-	1	*
Leafield	1004.7	0	WNW	2	bc	46	85	8	-	3	8	0	4-6	-	1	*
Cardington	1004.4	+2	W	2	c	48	75	6	5	1	-	4-6	7-8	2500	1	*
Winchester	1005.1	-2	W	2	c	53	85	6	5	-	8	7-8	9+	2500	1	*
S. Farnborough	1005.0	0	WNW	1	c	51	85	5	5	3	1	4-6	7-8	4000	1	*
London (Kew)	1005.1	+4	NW	1	bc	51	75	5	5	7	-	1	4-6	7200	1	*
Croydon	1005.5	+2	NW	2	f	50	85	3	-	7	-	0	7-8	-	1	*
Manston	1003.8	0	WNW	1	c	52	85	6	5	2	-	7-8	10	4000	1	*
Shoeburyness	1004.4	0	NW	2	bc	51	85	7	5	-	-	4-6	4-6	1500	0	*
Clacton-on-Sea	1003.8	0	WNW	2	c	50	95	6	5	-	-	7-8	7-8	800	1	1
Felixstowe	1004.1	+4	WNW	2	z	50	85	6	-	3	-	0	7-8	-	1	1
Scilly (St. Mary's)	1007.8	-6	NW	4	id	55	96	5	5	-	-	10	10	2500	1	3
Falmouth	1008.0	0	W'N	2	c	54	95	7	5	-	-	9	9	4000	1	0
Plymouth	1006.7	-4	WNW	3	c	55	95	8	6	-	-	9+	9+	800	1	2
Portland Bill	1005.4	-4	W'N	4	c	57	85	8	4	-	-	9+	9+	2500	0	3
Calshot, S'hampton	1005.5	0	NW'N	2	c	54	75	7	5	7	-	4-6	10	4000	0	1
Dungeness	*	*	WNW	2	m	*	*	4	5	3	*	7-8	9	450	*	1
Lympne	1003.3	+4	NWW	2	m	50	95	5	5	-	-	10	10	4000	1	*
Guernsey	1007.6	0	W	2	dd	56	95	5	6	-	-	10	10	1500	1	3

PAST 24 HOURS.

Weather. 7h.—13h. 23rd (37)	13h.—18h. 23rd (38)	18h. 23rd to 1h. 24th (39)	1h.—7h. 24th (40)
c	c|pr	c|be|pr	be|c|pr
be|c|pr	be|pr|u	c|pr|l	be|c|pr
c|j|p	c|pr|c	c|be	be|c
c|i|d|pr|q	c|pr|h|q		
c|be|pr	be|PR|c	c|pr|be|x	pr|be
bbe	be|b	be|o	be|o|b
pr|be|j|p	be|c|pr	c|pr|be|pr	c|q|h|pr|w
be|pr|c	c|q|be	be|q|h|b	be|pr|be
be	be	be|b	be|be
p|c|q	c|q	pr|qc	pha
c	c|pr|pr|be|pr|c	c|be|c|p	be|c|p
c	c|p|r	pr|be	pr|be
c|o	o|r|c|p	c|be	be|pr
be|c|⊕	c	c|be	be
be|c	be|c|u|c	c|PR|c	c|PR
m|c	c|m|o|r	c|i|r	c|PR|be
c|be	be	be|c|p	be|c|b
c|d|c	be	be	c|be
c	c	c	c|be
c|m|z	c|z|b	b|m|c|m	c|m|pr
o|r|c	c|be|c	c|m|m|be	c|be
c	c|be	be	be|p|p
c|i|r|c	c|be	be	be
c|v|c|d|c	c	c|m|bm	m|b|c|b|w
c|m|c	c	b|m|w	b|w
o|i|d|r|c|m	c|b|be|f	b|f|m|m|c|pr	c|r|be|m
o|r|r|e|d|d|e|m	c|m	c|m	c|m|be|m
c|m|be|m|c	c|be	be	be|m
c|re|p|d|c	c	c	c|be
o|r|m|o|r|r	o|r|c|z	c|z|be	be
c|m|d	c|m|f|d	o|m|be	bcc
o|i|r|m|c	c|o|i|r	c|i|r|be	be
o|r|c	c|o|d	c|b	b|w|b|p|r
c	c	c	c
c|d|o|m|c	c	c|be|bw	b|w|b
be	o	·	o
o|d|e|m	c|p|r|c|m	b|f|b|f	b|c|b|m
o|r|d|o|c	o|p|r|o|d	o|i|d|c	b|c|c|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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

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

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

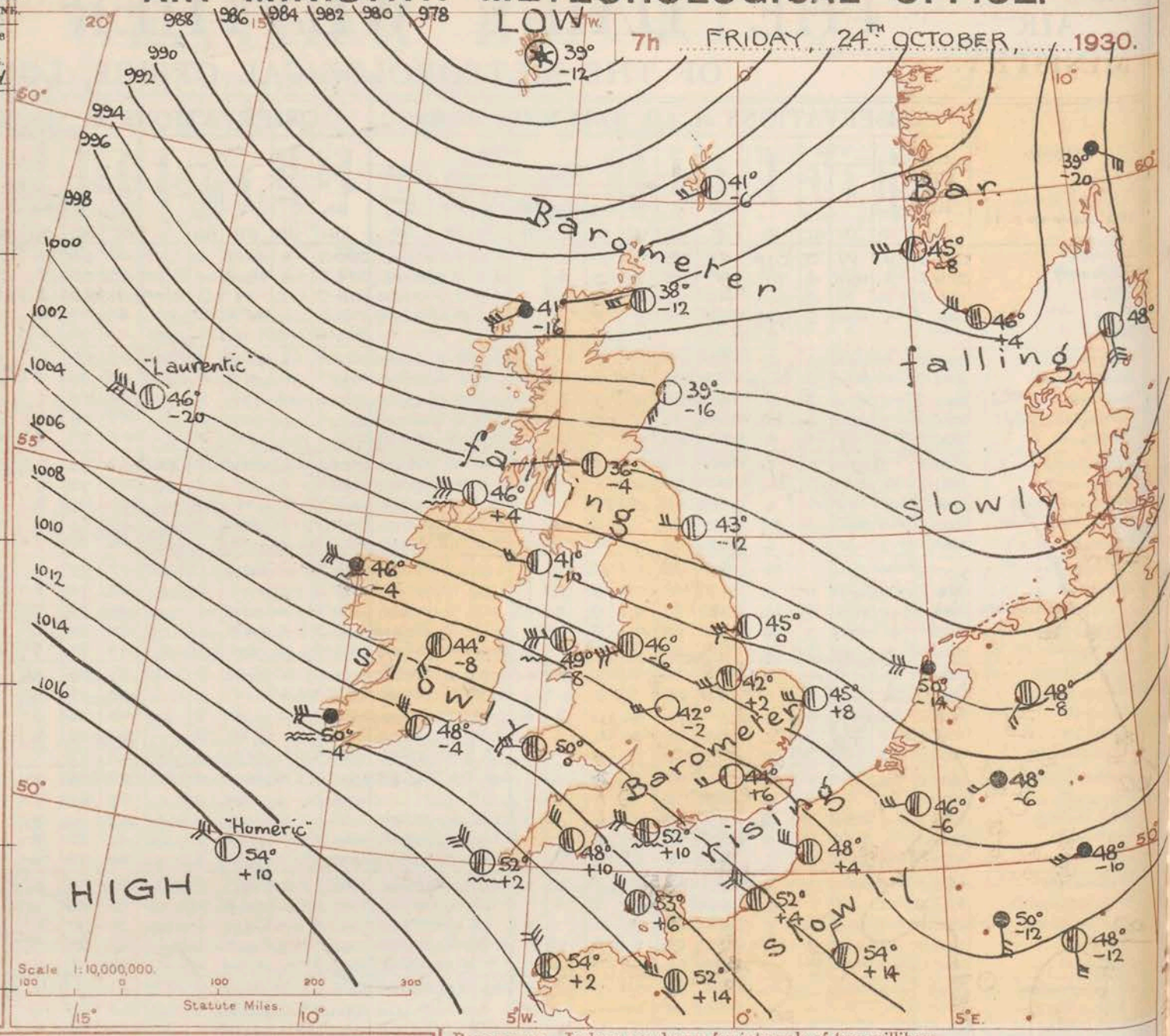
REPORTS from HEALTH RESORTS for ..... 23rd. October ... 1930.

STATIONS	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. 9h 22nd. to 9h 23rd.	TEMPERATURE. Max. 9h.—17h. 23rd.	RAINFALL. Night. 17h 22nd. to 9h 23rd.	RAINFALL. Day. 9h.—17h. 23rd.	SUNSHINE. Sunrise to Sunset. 23rd.
Dunbar	bm$_o$	b	44	51	1	—	5.7
Berwick-on-T.	bc	bcc	44	53	1	-	5.6
Douglas	cbc	cb	47	51	9	-	0.5
Llandudno	c	cd$_o$c	49	53	8	Tr.	0.2
Colwyn Bay	rbo	obo	49	53	8	-	0.0
Rhyl	cbc	c	~~37~~47	55	8	-	0.1
Wallasey	bcc	c	47	54	9	-	0.3
Southport ... ‖ ...	coc	co	47	53	8	-	1.2
Blackpool	c	c	47	52	8	-	0.4
Morecambe	crbcb	cbccb	46	53	5	-	1.3
Ilkley	bc	bc	45	55	2	-	3.5
Cleethorpes	co	oco	44	55	3	-	2.8
Mablethorpe	ocbcm$_o$	com$_o$	44	56	2	-	2.0
Skegness...	bco	o	43	56	4	-	6.0
Aberystwyth	corrc	c	48	53	16	-	0.4
Bath	c	c	49	57	8	-	0.0
Cheltenham ... † ...	oc	cbcq	47	55	6	-	0.1
Leamington Spa	og	og	46	54	5	-	0.0
Lowestoft	m$_o$ air	idcbc	42	55	1	1	1.4
Dovercourt	roc	bcc	45	54	5	-	0.2
Maldon	rcp	c	46	57	4	Tr.	0.9
Southend	ofco	or$_o$gm	47	58	6	0.3	0.1
Ilfracombe	oco	o	52	57	19	-	0.1
Bude	odro	oe	50	58	19	Tr.	0.0
St. Ives	d	d	54	56	8	0.3	0.0
Penzance	ord	ordf	53	58	10	1	0.0
Torquay	rbc	bcco	51	62	3	-	3.8
Jersey	rdc	rqc	54	59	17	1	0.3
Weymouth	cbc	c	50	61	10	-	1.5
Bournemouth	oc	o	48	59	8	-	0.5
Ventnor	or	bcor	49	60	12	Tr.	1.3
Southsea	cbco	o	50	61	8	-	0.4
Bognor Regis	bcc	c	49	59	9	-	0.7
Littlehampton	bc	bcc	48	59	9	-	1.2
Worthing	cbcc	coc	48	60	9	-	1.4
Brighton...	c	cpc	50	60	8	Tr.	0.9
Eastbourne ... † ...	co	oc	49	59	10	-	1.2
Hastings ... † ...	cobcc	co	45	58	8	-	0.8
Folkestone	rocdc	coroc	45	59	7	Tr.	0.7
Dover	cbcc	cp$_o$	46	59	8	Tr.	0.7
Deal	o	d$_o$o	45	58	6	Tr.	0.0
Tunbridge Wells	opo	o	45	56	6	1	0.1
Ramsgate	co	o	46	57	6	-	0.0
Margate...	cd	c	46	56	5	Tr.	0.0

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

AIR MINISTRY. METEOROLOGICAL OFFICE.

7h FRIDAY, 24TH OCTOBER, ... 1930.



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

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 24th Oct. 1930.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Moderate or fresh westerly to northwesterly winds; considerable bright periods, occasional local showers; much cooler than of late; ground frost at night.
12. S.W. Scotland & Isle of Man 13. {A. W. Scotld. B. N.W. Scotland.} 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Fresh westerly to northwesterly winds, strong at times; bright periods, some showers with hail locally; rather cold; ground frost at night.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Fresh westerly to northerly winds, strong at times; bright periods, some showers with hail locally; rather cold, ground frost at night.

GENERAL INFERENCE.

A depression centred near the Faeroes is moving slowly eastward and small disturbances on its southern boundary will cross the British Isles from the West. Bright periods will occur generally though with occasional showers locally. Temperature is likely to be lower than of late.

FURTHER OUTLOOK.

Similar.

Forecasts issued at 0930 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2. Pa 2495/2136. m. 26. 2.6026. Gp. 908. 182

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

⊙ = Calm.

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 24th October 1930.

No 251.73

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

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)
Lerwick	54	987.4	-16	WSW	2	bc	42	85	8	8	-	-	2-3	2-3	1500
Stornoway	34	990.4	-20	W	4	bc	41	95	7	3	-	-	4-6	4-6	4000
Wick	81	991.3	-10	WSW	3	bc	40	85	8	8	3	-	4-6	4-6	2500
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	51	999.1	-16	WNW	5	c/ph(r)	45	85	7	9	-	-	7-8	7-8	1500
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	998.3	-2	WSW	3	bc	42	85	7	5	-	-	2-3	2-3	800
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	67	999.3	-2	W	3	b	43	85	8	-	-	-	0	0	-
Blacksod Point	10	1004.9	-6	W	7	c/pr	45	85	6	9	-	-	10	10	220
Aldergrove	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1004.6	-2	WN	6	bc	50	85	7	4	-	-	4-6	4-6	4000
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	29	999.6	-4	WNW	5	C	47	95	6	5	-	-	7-8	7-8	1500
Birmingham	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	1001.8	-4	W	4	C	45	95	6	5	-	-	9	9	4000
Gorleston	14	1001.7	-6	W'S	2	bc	42	95	6	-	1	-	0	2-3	-
Valentia Obs.+	30	1002.2	0	W	6	C	50	95	8	6	-	-	7-8	7-8	2500
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke	150	1006.4	0	NW	4	q	51	75	8	8	-	-	7-8	7-8	2500
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew)	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1004.9	-6	WSW	3	pr	45	85	5	8	7	-	4-6	7-8	1500
Manston	135	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1002.3	+4	NW	4	bc	51	85	8	8	-	-	4-6	4-6	4000
Falmouth	200	1002.7	0	WNW	3	bc	51	95	7	3	-	-	4-6	4-6	4000
Plymouth	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	32	1005.1	-6	WNW	4	C	54	95	8	4	-	-	0	0	2600
Calshot, S'hampton	8	1005.4	0	WNW	3	b	46	95	8	-	-	-	0	0	-
Dungeness	20	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	347	1003.4	-10	NW	2	f	44	95	3	5	-	-	1	1	1600
Guernsey	173	1007.3	+2	NW	1	bc	55	95	7	5	-	-	4-6	4-6	2600

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

Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	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)
Lerwick	984.4	-6	WSW	2	bc/pr	41	85	8	9	8	-	4-6	4-6	1500	1	*
Stornoway	987.9	-16	WSW	4	PR	41	95	7	3	-	-	9	9	4000	1	2
Wick	988.6	-12	WSW	3	C	38	95	8	8	-	8	4-6	7-8	2500	1	2
Tiree	994.2	-8	W'S	6	c/pr	44	65	7	3	4	3	7-8	7-8	1500	1	4
Nairn	992.1	•	SW	1	bc	38	75	8	2	8	-	2-3	4-6	4000	1	*
Aberdeen	991.9	-16	SW	3	b	39	85	8	-	7	-	0	1	-	1	1
Malin Head	997.4	+4	WNW	6	bc/p	46	85	7	3	-	-	4-6	4-6	1500	1	4
Renfrew	996.9	-4	W	1	bc/pr	36	95	7	8	-	-	2-3	2-3	2500	1	*
Inchkeith (Edin.)	995.2	-12	WSW	5	bc	42	95	8	5	-	-	4-6	4-6	2500	0	3
Leuchars	992.7	-4	WSW	4	bc	38	95	8	5	-	-	2-3	2-3	2500	1	*
Eskdalemuir	997.0	-16	SW	3	bc	37	85	8	5	-	-	4-6	4-6	1500	1	*
Tynemouth	996.3	-12	W	2	bc	43	85	6	2	6	-	2-3	4-6	2500	0	2
Blacksod Point	1003.2	-4	WNW	6	pr	46	65	8	3	-	-	7-8	7-8	450	1	5
Aldergrove	1000.5	-6	SW	4	c/p	42	85	8	6	-	-	7-8	7-8	1500	1	*
Donaghadee	999.8	-10	W	2	bc	41	85	7	6	2	-	2-3	4-6	1500	1	1
Birr Castle	1004.5	-8	SW	2	c/pr	44	95	8	8	-	-	7-8	7-8	2500	1	*
Holyhead	1003.1	-8	W	7	C	49	75	8	7	8	8	7-8	9	2500	1	4
Liverpool (Bidston)	1001.0	-6	WSW	6	c/pr	46	85	8	6	-	-	9	9	1500	1	*
Chester (Sealand)	1002.9	-8	W'S	4	bc	46	75	8	8	-	-	4-6	4-6	4000	1	*
Harrogate	999.8	-10	SW	3	b	41	85	8	2	6	1	Tr.	1	4000	1	*
Spurn Head	999.3	0	W	4	bc	45	95	6	-	7	-	0	2-3	-	0	3
Birmingham	1003.8	-2	W	3	b	42	85	8	-	-	-	0	0	-	1	*
Cranwell	1001.7	+2	W'S	3	C	42	85	7	7	-	-	7-8	7-8	2500	1	*
Gorleston	1000.8	+8	WN	3	bc	48	95	6	2	-	-	2-3	2-3	4000	0	1
Valentia Obs.+	1002.0	-4	W'S	3	pr	50	75	8	5	-	-	9	9	1500	1	6
Roches Point	1003.4	-4	NW	3	bc	48	85	8	3	-	-	2-3	2-3	2500	0	2
Pembroke	1006.3	0	W	4	q	50	75	8	3	6	9	4-6	7-8	1500	1	3
Ross-on-Wye	1004.7	0	WSW	2	b	44	85	8	8	-	-	1	1	4000	1	*
Leafield	1004.3	+4	W'S	3	b	41	85	9	5	3	-	Tr.	Tr.	4000	1	*
Cardington	1002.2	+4	W'S	3	bc	42	85	7	5	-	-	2-3	2-3	4000	1	*
Winchester	1005.8	+2	W'S	2	bc	41	95	7	-	2	-	0	2-3	-	1	*
S. Farnborough	1006.0	+2	WNW	2	b	42	95	8	-	3	1	0	Tr.	-	1	*
London (Kew)	1004.9	+6	W'S	2	b	44	85	7	7	-	-	1	1	4000	1	*
Croydon	1005.0	+6	WSW	3	z	44	85	6	-	4	-	0	1	-	1	*
Manston	1002.9	+4	W	4	bc	45	95	6	1	3	-	2-3	2-3	2500	1	*
Shoeburyness	1003.6	0	WNW	3	b	44	85	6	4	-	-	Tr.	Tr.	2500	0	*
Clacton-on-Sea	1002.6	0	W	3	bc	45	85	7	5	-	-	4-6	4-6	800	0	1
Felixstowe	1002.7	0	WNW	4	bc	46	85	7	7	-	-	4-6	4-6	4000	0	2
Scilly (St. Mary's)	1010.5	+2	NWN	6	C	52	75	8	8	7	-	4-6	7-8	4000	0	4
Falmouth	1010.0	+6	WNW	2	bc	49	75	8	3	-	-	4-6	4-6	4000	0	0
Plymouth	1008.8	+10	NW	3	C	48	85	8	8	-	1	4-6	7-8	1500	1	2
Portland Bill	1006.0	+10	WNW	5	C	52	85	8	4	8	-	4-6	7-8	2500	0	4
Calshot, S'hampton	1006.0	+6	W	3	b	44	95	7	-	4	-	0	1	-	0	0
Dungeness	•	•	NW	2	b	•	•	b	-	7	•	0	1	-	•	1
Lympne	1003.3	+6	WNW	3	z	41	95	6	-	4	-	0	1	-	0	*
Guernsey	1008.3	+6	NW	3	0	53	65	7	5	-	-	10	10	2500	1	3

PAST 24 HOURS.

Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 23rd. Hrs. (36)
Lerwick	51	39	*	2	9	4.5
Stornoway	50	39	*	4	4	3.6
Wick	51	37	*	1	0.3	*
Tiree	51	42	37	1	3	2.5
Nairn	48	36	*	1	1	4.7
Aberdeen	54	35	26	-	-	6.2
Malin Head	52	43	*	2	4	1.1
Renfrew	52	36	30	1	4	3.8
Inchkeith (Edin.)	50	41	39	0.2	Tr.	6.3
Leuchars	54	35	**	0.1	-	4.5
Eskdalemuir	42	33	24	0.5	4	1.1
Tynemouth	55	40	33	-	-	*
Blacksod Point	51	44	*	0.2	3	*
Aldergrove	49	40	35	0.2	0.3	0.5
Donaghadee	54	40	*	0.6	0.3	*
Birr Castle	51	42	33	0.2	1	0.3
Holyhead	53	48	45	-	-	0.0
Liverpool (Bidston)	52	45	40	-	3	0.2
Chester (Sealand)	53	45	41	0.1	3	0.2
Harrogate	53	38	33	-	0.1	2.7
Spurn Head	53	44	*	Tr.	-	3.3
Birmingham	52	41	37	0.2	-	0.0
Cranwell	54	41	35	-	0.3	0.9
Gorleston	56	42	39	1	-	0.7
Valentia Obs.+	54	43	45	-	1	0.9
Roches Point	56	46	*	1	-	*
Pembroke	55	43	*	-	-	0.5
Ross-on-Wye	65	43	38	-	-	0.0
Leafield	54	40	35	Tr.	1	0.1
Cardington	55	42	38	Tr.	Tr.	0.0
Winchester	58	40	35	-	-	0.5
S. Farnborough	58	41	28	0.1	-	0.2
London (Kew)	57	44	37	-	-	0.2
Croydon	56	44	35	0.3	0.1	0.0
Manston	56	44	34	0.5	-	0.0
Shoeburyness	58	43	40	-	-	0.2
Clacton-on-Sea	56	44	40	1	-	0.0
Felixstowe	55	46	42	0.2	-	0.1
Scilly (St. Mary's)	56	50	*	1	-	0.0
Falmouth	57	49	*	0.6	0.1	0.3
Plymouth	58	48	45	Tr.	0.2	1.1
Portland Bill	60	50	*	-	-	*
Calshot, S'hampton	59	43	39	Tr.	-	0.5
Dungeness	51	41	*	1	Tr.	*
Lympne	57	40	39	0.2	-	0.2
Guernsey	59	53	46	1	0.2	0.5

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew	18	cm c	c	b mw	57	44	37	-	-	0.2	•	•	7
Croydon	244	oid r c m	c b c f	b f m m q f	56	44	39	0.3	0.1	0.0	•	•	6
Greenwich (Royal Observatory)	149	c d d g m	c m	c f c b	56	43	31	0.5	-	0.0	78	72	5
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Park)	27	•	•	•	57	44	38	0.6	•	0.0	83	73	•
Regents Pk. (Botanic Gardens)	168	•	•	•	•	•	•	•	•	0.0	•	•	•
Camden Square	116	c o r	o c	•	56	44	*	1	-	•	At 18h. 81		•
Kensington Palace	80	c o d r	c o	•	56	44	35	0.2	-	•	80	82	•
Hampstead Observatory	450	o f r	o m	•	54	40	33	0.5	0.3	0.0	•	89	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
1.0	23h 23rd	40.3	1-6h 24th

Kew Observatory. Max.	Time.	Min.	Time.
0.6	20h 23rd	0.1	4h 24th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 23rd October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 24th October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1006.9	W	1	z	55	1005.8	NNW	2	c	54
Brussels	1003.8	W'S	2	bc	50	1001.2	W	3	c	46
Berlin						1001.7	SSE	2	c	45
Zürich	1011.8	S	1	c	45	1008.3	S	1	c	45
Rome	1003.8	NW	3	c	55					

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
57	54	8	-
50	45	2	0.4
	41		-
62	45	-	2
66		-	

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 25th October 1930.

No. 25174

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

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)
Lerwick	982·3	-10	S'W	2	ir.	44	86	7	9	-	-	10	10	1500
Stornoway ...	985.7	-4	W	4	PH(R)	45	95	7	9	2	-	7-8	10	4000
Wick	986.4	-14	WSW	4	bc	45	85	8	3	7	1	4-6	4-6	2500
Tiree	992.5	-10	W	7	c/ph(r)	46	75	7	8	-	3	4-6	7-8	1500
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	989.5	-16	W	3	c	49	55	8	5	4	3	4-6	7-8	2500
Malin Head ...	995.9	-6	WNW	7	bcjp	48	85	7	3	8	-	4-6	4-6	1500
Renfrew	994.6	-10	WNW	3	pr	44	85	8	9	-	3	7-8	7-8	2500
Inchkeith (Edin.)	992·2	-16	WSW	5	bc	48	75	8	1	6	9	2-3	4-6	4000
Leuchars	991·8	-18	WSW	4	bc	49	65	8	1	6	-	2-3	2-3	4000
Eskdalemuir ...	996.0	-12	WSW	4	prs	41	85	8	6	4	-	4-6	7-8	450
Tynemouth ...	994.6	-12	W	5	bc	50	68	7	2	6	-	2-3	4-6	2500
Blacksod Point ...	1002·5	-2	WNW	7	c	49	65	8	9	-	-	9	9	220
Aldergrove ...	998.2	-6	W'S	5	bcjp	47	76	8	8	4	3	4-6	4-6	1500
Donaghadee ...	997.2	-10	WSW	3	bc	48	75	8	4	3	-	2-3	4-6	4000
Birr Castle ...	1004·2	-6	NW	4	c	46	75	8	8	-	-	9+	9+	2500
Holyhead... ...	1001.6	-10	W	6	pr.	61	75	8	8	-	-	9	9	4000
Liverpool (Bidston)	998.5	-14	W	7	ph(r)	49	65	8	9	-	-	7-8	7-8	1500
Chester (Sealand)	1000·3	-16	W	5	bcjp	52	65	8	8	-	-	4-6	4-6	2500
Harrogate... ...	997.8	-10	SW	4	cjp	46	75	8	9	-	-	7-8	7-8	2500
Spurn Head ...	996·5	-8	W'N	4	bc	48	86	6	4	3	-	4-6	4-6	4000
Birmingham ...	1001.6	-8	NW	6	PH(R)	45	75	7	6	-	-	9	9	2500
Cranwell	998.4	-22	W	5	bc/pr	50	65	7	3	3	-	4-6	4-6	2500
Gorleston	999.4	-6	W'N	4	c	45	85	6	2	-	-	7-8	7-8	2500
Valentia Obs. ...	1009.0	0	W'N	5	bc/pr	49	65	8	6	-	-	4-6	4-6	2500
Roches Point ...	1006·6	-10	NW	5	ir	49	85	8	6	-	-	7-8	7-8	1500
Pembroke... ...	1004.1	-8	W	4	q	50	75	8	3	7	9	4-6	7-8	1500
Ross-on-Wye ...	1002·9	-20	W	4	ps	48	75	8	9	-	-	4-6	4-6	4000
Leafield	1001·3	-20	W'N	4	bc/pr	50	65	9	2	-	-	2-3	2-3	5700
Cardington ...	1001.0	-16	W'S	5	cjp	52	55	8	8	-	-	7-8	7-8	2500
Winchester ...	1003.0	-22	WSW	4	bc	53	65	8	1	-	-	4-6	4-6	4000
S. Farnborough ...	1002·4	-20	WNW	3	bc	53	55	8	1	3	-	2-3	2-3	2500
London (Kew) ...	1002·1	-24	W	3	bcjp	52	65	7	2	3	-	2-3	4-6	4000
Croydon	1003.5	-14	W	4	pr	51	55	7	7	3	-	4-6	7-8	4000
Manston	1001.7	-12	W	4	bc	53	55	7	7	-	-	4-6	4-6	4000
Shoeburyness ...	1001.5	-14	W	4	bc	53	55	8	2	-	-	4-6	4-6	4000
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe ...	1000.7	-18	WNW	4	c	52	55	8	2	-	-	7-8	7-8	2500
Scilly (St. Mary's)	1008.8	-18	NNW	7	PR	51	85	6	8	-	-	9+	9+	2500
Falmouth... ...	1007.9	-20	W	5	PR	54	75	8	3	3	-	4-6	7-8	4000
Plymouth... ...	1006.4	-22	WNW	4	bc/pr	51	85	8	9	-	-	4-6	4-6	2500
Portland Bill ...	1004·3	-16	W'N	5	c/pr	54	85	8	8	4	-	4-6	7-8	2500
Calshot, S'hampton	1003.6	-18	WNW	3	c	51	75	8	8	-	3	4-6	7-8	2500
Dungeness ...	*	*	WNW	3	c	*	*	7	5	-	*	7-8	7-8	2500
Lympne	1002·3	-22	W	4	bc	47	65	8	2	-	-	4-6	4-6	4000
Guernsey	1007.9	-10	W	4	bc	55	65	8	5	4	-	4-6	4-6	2500

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

Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	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)
Lerwick	981·2	-8	SW	2	c	45	85	7	8	2	-	4-6	10	1500	1	*
Stornoway ...	984.7	0	W	1	c	43	95	7	9	7	-	7-8	9+	4000	1	1
Wick	984.7	-4	SSW	3	c	40	95	8	8	-	8	4-6	7-8	2500	1	2
Tiree	989.9	-30	W	7	c/pr	46	85	7	9	-	3	7-8	9+	1500	1	4
Nairn	986·4	*	WSW	2	c/pr	39	85	8	8	-	-	7-8	7-8	2500	1	*
Aberdeen	988·3	-4	SW	2	bc	43	75	7	-	4	9	0	2-3	-	2	1
Malin Head ...	994.1	-8	W	7	PH(R)	48	85	7	9	-	-	7-8	7-8	1500	1	4
Renfrew	992·9	-10	SW	2	pr	43	85	8	3	-	-	9	9	2500	1	*
Inchkeith (Edin.)	992·0	-2	WSW	5	bc	43	85	8	5	1	-	1	4-6	1500	0	3
Leuchars	991.0	0	WSW	3	bc	39	85	8	4	4	2	1	2-3	4000	1	*
Eskdalemuir ...	994.3	+2	WSW	3	pr	37	85	8	6	-	-	9	9	1500	1	*
Tynemouth ...	994.1	0	W	2	bc	42	75	6	2	6	-	2-3	4-6	2500	0	2
Blacksod Point ...	1003.4	+6	WNW	7	Q	45	85	7	9	-	-	9+	9+	220	1	6
Aldergrove ...	997.5	-6	SW	4	bc/pr	42	85	7	9	-	3	4-6	4-6	2500	1	*
Donaghadee ...	996.2	-6	W	3	c/pr	44	75	7	6	2	-	4-6	7-8	800	1	2
Birr Castle ...	1004.5	+6	SW	2	bc	43	85	8	8	3	-	2-3	4-6	2500	1	*
Holyhead... ...	1000.6	-2	WNW	7	bc	48	75	8	8	-	-	4-6	4-6	2500	1	4
Liverpool (Bidston)	997.7	+8	WNW	7	r.	43	75	8	6	-	-	9+	9+	1500	1	*
Chester (Sealand)	999.8	+8	W'N	4	pr	42	95	7	8	-	-	7-8	7-8	1500	1	*
Harrogate... ...	996.6	0	SW	4	bc/pr	40	85	7	6	4	-	4-6	4-6	2500	1	*
Spurn Head ...	996.4	-2	WNW	5	c	46	95	6	4	2	-	2-3	7-8	4000	0	4
Birmingham ...	1000.1	-4	NW	6	PR	44	75	7	9	-	-	9	9	2500	1	*
Cranwell	997.8	-2	W	4	c/r	41	95	7	9	-	-	9	9	1500	1	*
Gorleston	997.7	-4	W	2	c	45	75	6	6	2	-	2-3	7-8	2500	1	2
Valentia Obs. ...	1010.5	+10	WNW	5	bc	50	65	8	8	-	-	4-6	4-6	2500	1	4
Roches Point ...	1007.4	+14	NW	4	bc	46	85	8	3	-	-	2-3	2-3	1500	1	3
Pembroke... ...	1003.6	0	WNW	4	q	48	85	8	9	8	9	4-6	7-8	1500	1	3
Ross-on-Wye ...	1001.5	0	W	2	c/pr	41	95	8	9	-	3	7-8	7-8	2500	1	*
Leafield	1000.1	-6	W'N	3	c	43	85	9	8	-	3	4-6	7-8	4000	1	*
Cardington ...	999.6	0	W	3	bc	40	95	7	5	-	-	4-6	4-6	2500	1	*
Winchester ...	1000.6	-10	W	3	c	45	85	7	4	7	-	4-6	7-8	4000	1	*
S. Farnborough ...	1000.2	-10	W	3	c	46	75	7	7	-	-	7-8	7-8	2500	1	*
London (Kew) ...	999.8	-8	W	2	bc	47	75	6	8	3	-	4-6	4-6	2500	1	*
Croydon	1000.5	-8	W'S	2	z	45	85	5	8	-	-	2-3	2-3	2500	1	*
Manston	999.4	-10	NW	3	pr	45	85	7	8	-	-	9+	9+	2500	0	*
Shoeburyness ...	999.6	-6	NW	3	r.	44	85	8	9	-	-	7-8	7-8	1500	1	*
Clacton-on-Sea ...	996.8	-6	WNW	3	bc	42	95	7	3	-	-	4-6	4-6	450	1	1
Felixstowe ...	999.3	-2	W	2	bc	43	85	8	8	-	-	4-6	4-6	2500	1	2
Scilly (St. Mary's)	1008.6	+8	NW'N	7	PR	48	75	7	3	-	-	7-8	7-8	4000	1	5
Falmouth... ...	1007.0	+14	WNW	6	bc	47	85	8	3	-	-	4-6	4-6	4000	1	3
Plymouth... ...	1006.6	+4	NW	4	pr	47	85	7	9	-	-	9+	9+	2500	1	2
Portland Bill ...	1002·1	-4	NW	6	pr	48	95	8	5	4	-	4-6	7-8	1500	1	4
Calshot, S'hampton	1001·9	-6	W'N	4	c/pr	46	85	8	3	-	-	7-8	7-8	2500	1	1
Dungeness ...	*	*	WSW	3	c	*	*	7	5	-	*	7-8	7-8	2500	*	3
Lympne	999·7	-8	WSW	4	pr	45	85	8	2	-	-	9	9	2500	1	*
Guernsey	1004.7	-16	NW	5	bc/phr	52	65	7	5	-	-	4-6	4-6	2500	1	4

PAST 24 HOURS.

Stations.	Weather. 7h.–13h. 24th	Weather. 13h.–18h. 24th	Weather. 18h. 24th to 1h. 25th	Weather. 1h.–7h. 25th
Lerwick	bccoir	oirc	bccoir	oirc
Stornoway ...	cq P	cP	cprq bc	bcprq
Wick	c bc	p.r c	bcpr	prhsc
Tiree	bcPHR Q	bcPHRqc	cpRb	bcp.
Nairn	bcpr	bcpr	cPR	cpr
Aberdeen	b bc y	cy b	b	bbcpr
Malin Head ...	bcq phr	bccQ hr	cQ lphr	bccQ hr
Renfrew	bccprq	cprhcprq	cpr	Pbccq
Inchkeith (Edin.)	bc	bc	bc	bc
Leuchars	bw b	b bc w	bcw bw	bbc bw
Eskdalemuir ...	bc cprs	cprs bc cpr	cprs bc x cpr	bw b
Tynemouth ...	bc	bc	bc b	bbc
Blacksod Point ...	prqc	prq c	prq h	prq h
Aldergrove ...	bcpr	bcprc prqh	cprhbc	bccpr
Donaghadee ...	bc	bcp.r	bcir.	bcpr bcq
Birr Castle ...	cpr	cp. bc	bcpr	bcpr
Holyhead... ...	cbc, pr	cq PR bc	bcq, pr	cq
Liverpool (Bidston)	prhq p	cprhq	cprhq	Qrhp
Chester (Sealand)	bcjpq	cRq RPHR	cpr PHq	cpr PRq
Harrogate... ...	bbccp	bccp	cbp	b
Spurn Head ...	bc	bcc	cbc	cpr.
Birmingham ...	bc	bcPRq	cbcpr	cpr
Cranwell	bccp.	cp. bcr	cbcm.	bccprm.
Gorleston	bcq	cbcprl	cbcbl	bbccr.
Valentia Obs. ...	cpbc	bccphbcyp	bcpcpp	bcpcp
Roches Point ...	bccir	cpq bc	bc	bcp.q bc
Pembroke... ...	cPq	cPq	cbcq	bccq
Ross-on-Wye ...	bccp bcc	bccphbcP	bcbbcp.	or.cp.bc
Leafield	bcp.	bcp.c	bcb	bbcp.
Cardington ...	bcbcy	bcctlrRhbc	bcc	cprc
Winchester ...	bbc	bcc	bcbbcp.	bc
S. Farnborough ...	bwbc	bccpvbc	cprb	bcbrbcv
London (Kew) ...	bwbc	bybcz.	bc	bccpbc
Croydon	bmbccypr	cpr. bc	bcbm.	bccrrm.
Manston	°bcm.	bcycuqpr	cprbc	bccrr
Shoeburyness ...	bc	bcprcr.	cr.rc	oir.c
Clacton-on-Sea ...	bc	bcctlorcbc	bc	bccp
Felixstowe ...	bbc	bclclqrt	bcc	crr
Scilly (St. Mary's)	cP	cP	cP	bccp
Falmouth... ...	bcPq	bcPq	bcp.lq	bcPlq
Plymouth... ...	cprbc	cprprhbq	cqpr.b	cprbq
Portland Bill ...	cPR	cPR	bc	bc
Calshot, S'hampton	bbccprcbc	bccprq	cbcblbw	bwbc
Dungeness ...	bc	bc	d	
Lympne	bcm.b	bcvlcpr	bclbmw	cbccrrm.
Guernsey	oc.bc	chpbc	clPR	cbcq

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

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

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29.—STATE OF GROUND.

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

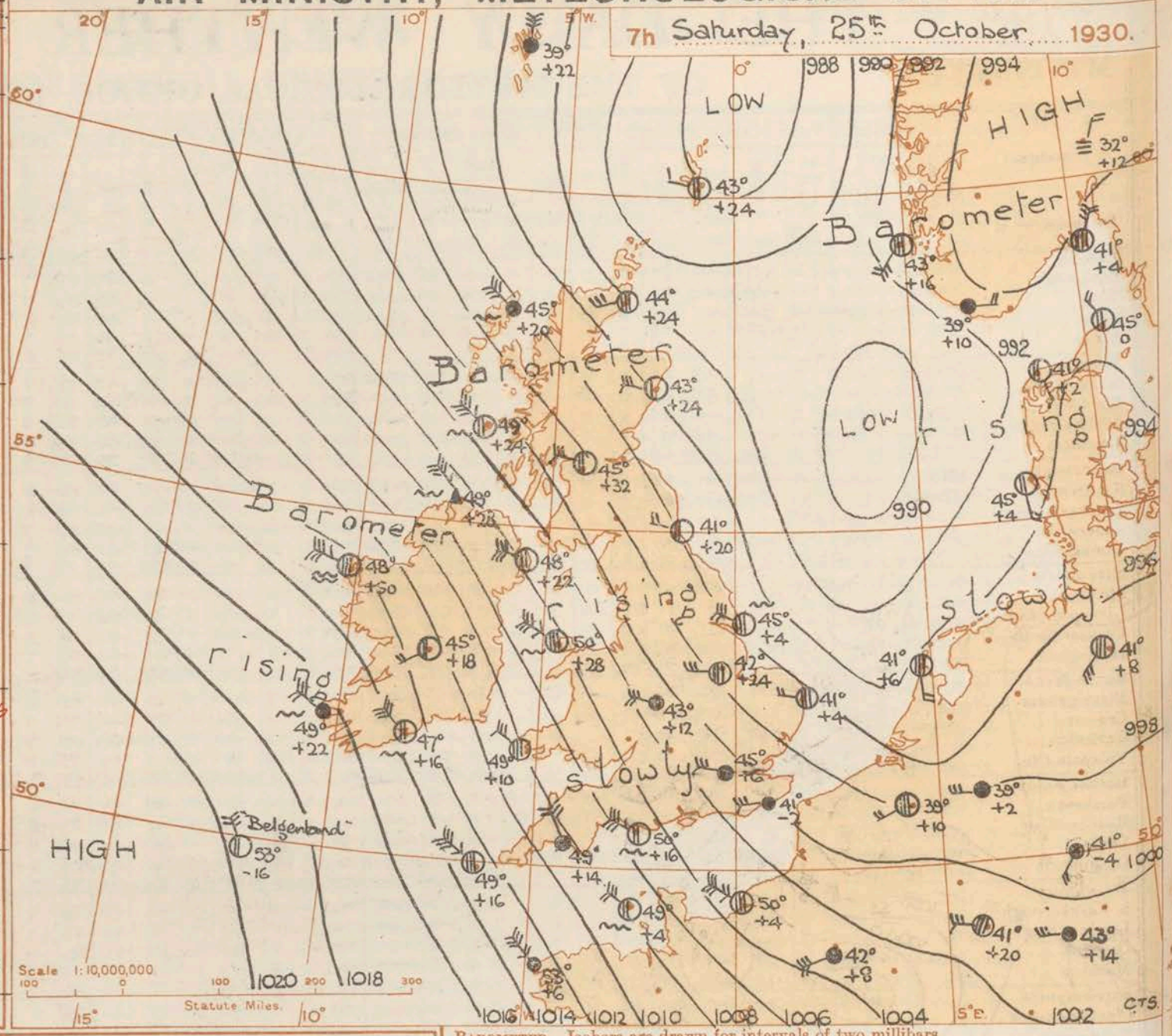
REPORTS from HEALTH RESORTS for ..... 24th October ..... 1930.

STATIONS	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. 9h 23rd to 9h 24th	TEMPERATURE. Max. 9h.—17h. 24th	RAINFALL. Night. 17h 23rd to 9h 24th	RAINFALL. Day. 9h.—17h. 24th	SUNSHINE. Sunrise to Sunset. 24th
Dunbar	6	6	39	49	-	-	7.0
Berwick-on-T. ...	6c	6c	38	49	-	-	7.5
Douglas	6c	cbcirchcp	44	49	Trace	0.5	5.8
Llandudno	cp6c	6cir3	47	51	/	2	5.2
Colwyn Bay	6co	ophor	46	51	/	4	5.1
Rhyl	6c	6cprh	47	52	/	/	5.7
Wallasey	irhc	6cirh	45	51	2	4	3.1
Southport	66cqpc	6cwoihc	46	51	3	2	5.3
Blackpool	c	phc	45	51	2	0.5	4.8
Morecambe	rc66c	6crhr	44	50	4	/	5.4
Ilkley	6cph6	6cpho	46	50	3	2	5.8
Cleethorpes	6c6	6cpo	39	50	-	/	6.0
Mablethorpe	w6c6m	66cm	38	51	-	-	6.7
Skegness...	66c°	6c	39	51	-	-	6.3
Aberystwyth	cpi-	cpi-	49	51	0.3	0.3	3.0
Bath	66c	6ccp6	41	54	-	Trace	5.8
Cheltenham ... † ...	6wbcp	cphc	43	52	-	/	6.4
Leamington Spa	6c	cpho	38	53	-	0.2	7.4
Lowestoft	6c6c	coirc	41	50	-	0.4	6.6
Dovercourt	6	6cpoc	44	56	-	/	3.1
Maldon	6	6phor	45	55	-	/	7.9
Southend	6z6c	6cir°	43	56	Trace	Trace	7.1
Ilfracombe	c6cp	cp	50	54	/	7	1.7
Bude	p6c	cpq	46	56	-	5	2.2
St. Ives	p	p²	51	54	/	0.5	3.0
Penzance	6cir	c6cir	50	56	/	3	4.8
Torquay	6c	6cRhp6c	47	55	-	2	6.7
Jersey	rqc6c	cir2	53	57	/	2	3.3
Weymouth	6	6cpc	46	58	-	/	5.7
Bournemouth	6	66cr	45	55	-	0.5	5.7
Ventnor	66cor	our	46	56	0.5	/	5.8
Southsea	6	6cp	46	54	-	3	5.8
Bognor Regis	6	6cord	44	54	-	/	6.7
Littlehampton	66c	6cp6c	42	55	/	Trace	7.6
Worthing	6	6cir°c	44	56	Trace	Trace	7.6
Brighton...	6	66c	46	55	-	-	7.4
Eastbourne ... † ...	6	66c	46	54	-	-	8.0
Hastings ... † ...	6	66c6	42	55	/	-	8.5
Folkestone	w6	66c	43	55	-	-	8.1
Dover	6	66c	45	55	-	-	8.1
Deal	6	6	44	55	-	-	8.3
Tunbridge Wells	66c	6cc	39	54	-	-	8.1
Ramsgate	6	66c	44	54	-	-	7.6
Margate	6c	6r66c	45	53	-	0.5	7.8

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Saturday, 25th October 1930.



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

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 25th Oct. 1930.
1. S.E. England	Strong and squally northwesterly or northerly winds; bright intervals, showers of rain or hail, possibly sleet; rather cold; ground frost perhaps at night.
2. E. England...	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. S.E. Scotland	Strong and squally northwesterly or northerly winds; bright intervals, showers of rain, hail or sleet; cold; ground frost perhaps at night.
12. S.W. Scotland & Isle of Man	
13. A. W. Scotld. B. N.W. Scotland.	
14. Mid-Scotland	
15. N.E. Scotland	
16. Orkneys and Shetlands.	
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

GENERAL INFERENCE.

A trough of low pressure over the North Sea is moving east-south-eastward. Strong and squally northerly or northwesterly winds will prevail over the British Isles with bright intervals, showers of rain or hail, and a low temperature.

FURTHER OUTLOOK.

Bright intervals, showers, rather cold.

TIME OF ISSUE OF GALE WARNING.

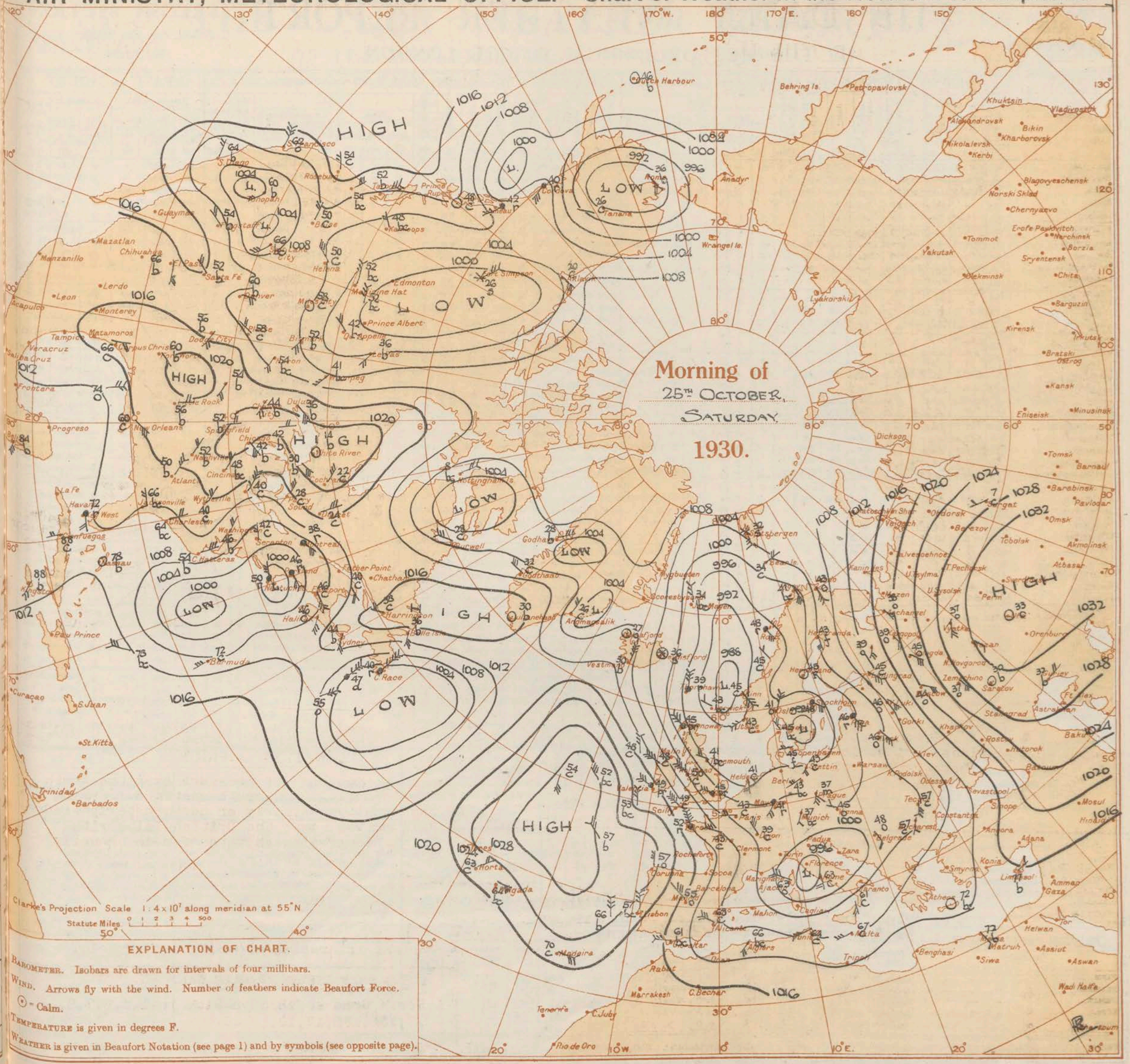
North Cone at 1855 on 24th in 1,5,6,7,8, 12,13A,13B,17,18,19,20.

Forecasts issued at 0945 G.M.T.

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

H.M. Stationery Office Press, Kingsway W.C.2.
Pa.2495/2/36. W.28. D.6026. Gp.308.

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


Morning of
25th OCTOBER,
SATURDAY.
1930.
HIGH
LOW
Dutch Harbour
Behring Is.
Petropavlovsk
Khuktsin
Vladivostok
Alexandrovsk
Bikin
Kharborovsk
Nikolaievsk
Kerbi
Anadyr
Nome
Tanana
Wrangel Is.
Blagovyeschensk
Norski Skiad
Chernyaevo
Ecole Pavlovitch
Tommot
Yakutsk
Sryentensk
Borzia
Chita
Barguzin
Kirensk
Irkutsk
Bratski Ostrog
Kansk
Eniseisk
Minusinsk
Tomsk
Barnaul
Barabinsk
Pavlodar
Omsk
Tobolsk
Akmolinsk
Atbasar
Orenburg
Astrakhan
Baku
Dickson
Vardo
Spitsbergen
Bear Is.
Jan Mayen
Reykjavik
Lerwick
Aberdeen
Stockholm
Oslo
Copenhagen
Warsaw
Odessa
Sevastopol
Constantsa
Bucharest
Belgrade
Sinope
Angora
Adana
Konia
Smyrna
Athens
Malta
Benghasi
Siwa
Matruh
Assiut
Aswan
Wadi Halfa
Helwan
Gaza
Ammap
Mosul
Hinaidi
Basrah
Bushire
Jask
Gwadar
Karachi
Jodhpur
Delhi
Lahore
Peshawar
Quetta
Jacobabad
Multan
Bikaner
Jaipur
Agra
Allahabad
Calcutta
Akyab
Rangoon
Bangkok
Saigon
Hongkong
Shanghai
Nagasaki
Fukuoka
Seoul
Fusan
Vladivostok
Nikolaievsk
Petropavlovsk
Dutch Harbour
Nome
Anadyr
Wrangel Is.
Tanana
Dawson
Prince Rupert
Vancouver
Victoria
Seattle
Portland
San Francisco
Los Angeles
San Diego
Roseburg
Tatoosh
Williams
Prince George
Kamloops
Calgary
Edmonton
Medicine Hat
Prince Albert
Qu'Appelle
Winnipeg
Fort Simpson
Fort Nelson
Fort Liard
Fort Smith
Yellowknife
Aklavik
Coppermine
Cambridge Bay
Lyakorskie
Helena
Boise
Salt Lake City
Denver
Pueblo
Dodge City
Oklahoma City
Amarillo
Santa Fé
El Paso
Albuquerque
Flagstaff
Winslow
Phoenix
Yuma
Tucson
Guaymas
Mazatlan
Chihuahua
Manzanillo
Acapulco
Salina Cruz
Veracruz
Tampico
Matamoros
Monterey
Lerdo
Leon
Frontera
Progreso
Campeche
Merida
Belize
Havana
Key West
Nassau
Cienfuegos
Kingston
Port au Prince
Curaçao
St. Juan
St. Kitts
Barbados
Trinidad
Bermuda
Halifax
Sydney
Yarmouth
Boston
New York
Philadelphia
Washington
Atlantic City
Norfolk
Cape Hatteras
Charleston
Jacksonville
Atlanta
Nashville
Memphis
Vicksburg
New Orleans
Galveston
Corpus Christi
Brownsville
Abilene
Fort Worth
Wichita
Kansas City
Omaha
Des Moines
Minneapolis
Duluth
Moose Jaw
Swift Current
Medicine Hat
Calgary
Edmonton
Prince Albert
Qu'Appelle
Winnipeg
Fort William
Sault Ste. Marie
Toronto
Ottawa
Montreal
Quebec
Father Point
Chatham
Moncton
Sydney
Halifax

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 25th October 1930.

No. 25174

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

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)
Lerwick	54	984.6	+16	WSW	2	ir	43	85	7	6	-	-	10	10	1500
Stornoway	34	990.4	+34	NW	6	bc/pr	45	85	7	3	-	-	4-6	4-6	4000
Wick	81	986.3	+10	SW	3	p.r	42	85	8	9	2.	-	7-8	10	1500
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	51	998.7	+34	NW'N	7	bc.jp	49	85	7	9	-	-	4-6	4-6	1500
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	991.1	+6	WSW	4	bc	43	85	7	5	1	-	2-3	4-6	800
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	67	991.7	-8	W	2	b	41	85	7	-	-	-	0	0	-
Blacksod Point	10	1007.1	+20	WNW	8	Q	47	85	6	9	-	-	9+	9+	220
Aldergrove	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	999.7	-10	WNW	8	c/p.r	49	85	7	8	-	-	7-8	7-8	2500
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	29	994.5	-4	W	4	bc.	41	95	7	-	2	-	0	2-3	-
Birmingham	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	996.4	-8	WSW	4	bc	39	95	6	5	1	-	1	2-3	4000
Gorleston	14	996.9	-4	W	3	b	39	95	6	-	-	-	0	0	-
Valentia Obs.†	30	1013.0	+10	NW	7	PH(R)	49	95	8	6	-	-	4-6	4-6	2500
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke	150	1004.5	0	NW	4	q	49	75	8	3	-	-	4-6	4-6	1500
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew)	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1001.2	-2	W'S	4	b	39	85	7	-	3	-	0	1	-
Manston	135	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1010.9	+6	NW'N	7	bc	48	75	8	3	-	-	4-6	4-6	4000
Falmouth	200	1009.9	+10	NW'W	6	p.r	48	75	8	3	-	-	4-6	4-6	4000
Plymouth	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	32	1003.1	0	WNW	7	bc	50	85	8	2	-	-	2-3	2-3	2500
Calshot, S'hampton	8	1002.6	+2	W	3	b	41	85	8	-	-	-	0	0	-
Dungeness	20	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	347	999.8	-2	W	4	m.	38	85	6	-	-	-	0	0	-
Guernsey	173	1006.8	+8	NW	4	q	50	55	8	5	-	-	4-6	4-6	2500

OBSERVATIONS at 7 hr. G.M.T. 25th October

Stations.	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)
Lerwick	988.2	+24	W'N	1	bc	43	85	7	9	8	-	4-6	7-8	1500	1	•
Stornoway	996.8	+20	NW	6	pr	45	95	7	8	8	-	7-8	7-8	4000	1	4
Wick	991.9	+24	WSW	3	c	44	95	8	9	2	-	4-6	7-8	1500	1	2
Tiree	1001.0	+24	NW	7	c/p.r	49	85	7	3	8	-	4-6	4-6	1500	1	4
Nairn	995.2	•	W'N	2	c/pr	43	85	8	3	-	-	7-8	7-8	1500	1	•
Aberdeen	993.5	+24	WNW	4	b	43	85	8	8	-	-	1	1	2500	1	1
Malin Head	1004.5	+28	NW'N	7	ph(r)	49	85	7	9	-	-	9	9	1500	1	5
Renfrew	999.2	+32	WNW	4	bc	45	85	8	8	-	-	2-3	2-3	1500	1	•
Inchkeith (Edin.)	996.3	+24	WSW	3	bc	43	85	7	1	4	-	2-3	4-6	4000	0	1
Leuchars	996.2	+30	W	4	bc	38	85	8	5	3	-	1	2-3	4000	1	•
Eskdalemuir	997.4	+30	WNW	6	bc	41	75	8	4	-	-	2-3	2-3	2500	1	•
Tynemouth	995.6	+20	WNW	2	bc	41	85	7	2	-	-	4-6	4-6	2500	0	2
Blacksod Point	1012.5	+50	WNW	7	q	48	75	8	9	-	-	7-8	7-8	<150	1	6
Aldergrove	1005.2	+24	WNW	4	pr	46	85	7	9	-	-	7-8	7-8	1500	1	•
Donaghadee	1001.7	+22	WNW	6	bc	48	75	7	9	-	8	4-6	4-6	2500	1	3
Birr Castle	1010.1	+18	SW	2	bc	46	85	8	5	-	-	4-6	4-6	4000	1	•
Holyhead	1004.3	+28	NW	8	c	50	85	7	4	8	-	9+	9+	1500	1	5
Liverpool (Bidston)	1000.2	+26	WNW	6	bc	47	75	7	9	-	-	4-6	4-6	1500	1	•
Chester (Sealand)	1001.0	+22	NW'W	7	pr	46	95	7	3	-	3	4-6	4-6	2500	2	•
Harrogate	997.2	+26	W	4	b	44	75	8	-	4	-	0	Tr.	-	1	•
Spurn Head	995.7	+4	NW'N	6	c	45	85	7	2	7	-	4-6	7-8	4000	0	4
Birmingham	1001.6	+12	WNW	5	PR	43	85	7	9	-	-	9	9	2500	1	•
Cranwell	998.2	+24	W'N	3	c	42	85	6	5	-	-	9+	9+	2500	1	•
Gorleston	996.9	+4	W'N	2	c	41	95	6	6	-	-	9+	9+	1500	1	2
Valentia Obs.†	1017.5	+22	NW'W	5	pr	49	75	8	6	-	-	7-8	7-8	2500	1	5
Roches Point	1012.4	+16	NW	6	bc	47	85	8	3	-	-	2-3	2-3	1500	0	4
Pembroke	1007.3	+10	NW	4	q	49	85	8	3	8	-	4-6	7-8	1500	1	3
Ross-on-Wye	1003.8	+20	WNW	4	bc	45	75	8	6	2	-	1	2-3	2500	1	•
Leafield	1001.4	+10	NW'W	5	bc	42	85	9	8	-	3	4-6	4-6	2500	1	•
Cardington	1000.3	+14	W'N	4	c	44	85	8	5	-	-	7-8	7-8	2500	1	•
Winchester	1002.5	+4	WNW	4	bc	42	85	8	5	-	-	4-6	4-6	4000	1	•
S. Farnborough	1001.4	+6	W'N	3	bc	43	85	8	7	8	1	2-3	4-6	2500	1	•
London (Kew)	1000.8	+6	W'N	4	pr	45	75	8	5	4	8	4-6	7-8	2500	1	•
Croydon	1001.2	+4	WNW	4	s.p.	44	75	6	6	2	-	9	10	800	1	•
Manston	999.0	0	W	5	rr	43	95	7	6	2	-	9+	10	800	1	•
Shoeburyness	999.3	-8	NNW	3	c/r	43	95	7	5	-	-	9	9	1500	1	•
Clacton-on-Sea	998.0	-6	W	4	pr	42	95	7	6	-	-	7-8	7-8	450	1	2
Felixstowe	998.3	0	W'N	4	ir.	43	85	8	6	-	-	10	10	220	1	3
Scilly (St. Mary's)	1012.7	+16	NW'N	8	c	49	75	7	2	-	-	7-8	7-8	4000	1	5
Falmouth	1011.5	+30	NW'N	6	pr	49	65	8	3	-	-	7-8	7-8	4000	1	2
Plymouth	1008.4	+14	NNW	5	pr	49	75	7	9	-	-	4-6	4-6	1500	1	2
Portland Bill	1004.3	+16	WNW	7	bc	50	85	8	4	4	-	2-3	4-6	2500	0	4
Calshot, S'hampton	1002.6	+6	NW'W	5	bc	45	75	8	5	-	-	2-3	2-3	1500	0	1
Dungeness	•	•	W	4	pr	•	•	7	6	-	•	9+	9+	1500	•	3
Lympne	999.7	-2	W	4	rr	41	95	6	6	-	-	10	10	1500	1	•
Guernsey	1007.1	+4	NW	5	q	49	75	7	5	-	-	4-6	4-6	2500	1	4

PAST 24 HOURS.

Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 24 hrs. Hrs. (36)
Lerwick	45	42	•	8	4	1.5
Stornoway	48	42	•	5	4	2.3
Wick	47	38	•	1	2	•
Tiree	48	45	40	1	2	3.3
Nairn	45	37	•	1	4	4.5
Aberdeen	50	34	26	-	0.5	5.8
Malin Head	48	46	•	3	4	3.6
Renfrew	50	41	37	3	3	5.0
Inchkeith (Edin.)	49	41	40	-	-	7.6
Leuchars	51	34	30	-	-	8.1
Eskdalemuir	43	34	30	2	1	2.6
Tynemouth	50	40	35	-	-	•
Blacksod Point	50	40	•	3+	2+	•
Aldergrove	47	41	38	1	3	5.5
Donaghadee	49	42	•	Tr.	5	•
Birr Castle	48	42	37	0.4	2	4.4
Holyhead	51	47	45	0.6	Tr.	3.8
Liverpool (Bidston)	49	42	38	2	3	3.3
Chester (Sealand)	53	42	39	3	9	7.3
Harrogate	48	38	35	2	0.6	6.2
Spurn Head	50	40	•	-	Tr.	6.7
Birmingham	51	38	35	3	2	6.6
Cranwell	51	37	35	0.5	0.4	6.3
Gorleston	52	36	34	1	0.5	6.5
Valentia Obs.†	51	45	42	2	3	3.9
Roches Point	51	45	•	3	0.1	•
Pembroke	53	47	•	2	-	2.1
Ross-on-Wye	53	40	35	1	1	6.3
Leafield	52	37	34	0.4	0.2	7.3
Cardington	53	35	33	5	0.5	5.8
Winchester	54	38	35	-	0.1	7.0
S. Farnborough	55	38	30	Tr.	0.4	7.3
London (Kew)	53	40	35	-	Tr.	6.8
Croydon	54	39	35	0.5	Tr.	6.7
Manston	54	37	32	0.1	1.7	6.8
Shoeburyness	54	39	35	0.2	2	8.0
Clacton-on-Sea	54	38	34	2	0.4	7.4
Felixstowe	53	39	35	1	0.5	7.7
Scilly (St. Mary's)	54	45	•	4	1	2.4
Falmouth	55	47	•	2	2	6.5
Plymouth	55	46	43	2	0.6	5.9
Portland Bill	55	46	•	1	3	•
Calshot, S'hampton	53	39	35	2	-	6.1
Dungeness	57	44	•	-	Tr.	•
Lympne	53	36	32	Tr.	0.3	8.3
Guernsey	56	47	42	3	1	4.9

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	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	bwbc	bybz.	bccpbc	63	40	36	-	Tr.	6.8	•	•	8
Croydon	244	bmcyp.	cpcbc	bbcrrm	54	39	35	Tr.	Tr.	6.7	•	•	6
Greenwich (Royal Observatory)	149	bc y	cp. by	bwcrrc	55	39	31	Tr.	1	7.0	82	75	5
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	6.8	•	•	•
Westminster (St. James' Park)	27	•	•	•	56	41	37		1	7.1	53	76	•
Regents Pk. (Botanic Gardens)	168	•	•	•	•	•	•	•	•	5.6	•	•	•
Camden Square	110	bc	cb	•	54	42	•	-	2	•	•	80	•
Kensington Palace	80	bc	bc	•	55	41	32	-	1	•	At 18h. 77	78	•
Hampstead Observatory	450	bcp	bc	•	53	34	31	0.1	1	7.2	•	96	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0.8	20h.24m	<0.3	23h.24m to 7h.25m

Kew Observatory. Max.	Time.	Min.	Time.
0.3	19h.24m	<0.1	1h.25m

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 24th October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 25th October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1003.9	W	2	c	50	1003.5	W	2	c	43
Brussels	1000.0	NNW	1	b	41	998.7	WSW	2	c	39
Berlin	995.7	S	2	c	48	998.4	WSW	2	bc	43
Zürich	1005.6	W	1	o/r	46	1001.6	W	1	ir.	41
Rome	1003.9	WSW	2	b	52	996.0	S	2	cu	63

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
67	43	-	3
69	39	0.6	1
50	41	1	-
52	45	7	7
66	?	-	?

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at

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

COLUMN 30.—Code for State of Sea.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 26th October 1930.

No. 25,175

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

STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
Lerwick	992.8	+20	NW	3	pr.	48	75	8	8	3	–	4.6	4.6	1500
Stornoway ...	1002.0	+18	NW	4	bc	44	95	7	3	6	–	4.6	4.6	4000
Wick	993.5	+14	SW	4	c/pr	44	95	8	9	2	–	4.6	7.8	1500
Tiree	1005.6	+16	NW	7	bc	48	55	8	8	8	–	4.6	4.6	2500
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	998.7	+20	NW	4	pr.	45	85	8	3	4	–	7.8	7.8	2500
Malin Head ...	1008.5	+14	NNW	6	bc/p	49	68	6	3	–	–	4.6	4.6	2500
Renfrew	1003.7	+22	W	4	bc	46	75	8	8	–	3	4.6	4.6	2500
Inchkeith (Edin.)	1000.3	+16	WSW	4	c	51	65	8	7	–	–	4.6	7.8	4000
Leuchars	1000.2	+20	WNW	5	bc	50	55	9	1	4	3	2.3	2.3	2500
Eskdalemuir ...	1002.2	+14	WNW	5	c	46	65	8	5	4	–	4.6	7.8	2500
Tynemouth ...	1000.8	+14	NW	3	bc	52	65	7	2	–	–	4.6	4.6	2500
Blacksod Point ...	1015.9	+20	WNW	6	PR	46	75	8	9	–	–	7.8	7.8	450
Aldergrove ...	1008.7	+10	WNW	6	pr	47	75	8	8	–	–	4.6	4.6	2500
Donaghadee ...	1006.9	+24	WNW	5	cq	49	55	7	8	–	–	7.8	7.8	4000
Birr Castle ...	1014.4	+10	NNW	3	c/pr	49	75	8	8	3	2	4.6	7.8	4000
Holyhead	1007.8	+14	NW	8	cq	51	75	8	4	–	–	7.8	7.8	2500
Liverpool (Bidston)	1005.2	+14	NW'W	6	pr	47	85	7	6	–	–	10	10	1500
Chester (Sealand)	1005.8	+16	NW	7	PR	45	95	7	6	–	–	9	9	800
Harrogate	1001.5	+14	NW	4	b	51	55	8	1	4	–	Tr.	Tr.	4000
Spurn Head ...	999.3	+6	NNW	5	bcq	51	95	7	2	–	–	4.6	4.6	4000
Birmingham ...	1005.2	+12	NW	8	c/p	47	85	6	9	–	1	4.6	7.8	2500
Crauwell	1001.4	+14	NW'W	5	c	51	65	7	3	–	4	4.6	7.8	4000
Gorleston	999.4	+10	NW	4	c	50	65	6	9	–	–	7.8	7.8	1500
Valentia Obs. ...	1020.2	+6	NW	5	c/pr	51	75	8	5	2	–	4.6	5+	2500
Roches Point ...	1015.9	+14	N	6	bcq	46	85	8	3	–	2	4.6	4.6	1500
Pembroke	1011.2	+12	NW	4	pr	50	75	8	8	–	–	9	9	1500
Ross-on-Wye ...	1006.4	+14	NW	6	bc/p	52	65	8	3	1	1	4.6	4.6	2500
Leafield	1004.4	+10	NW	6	c/pr	51	65	8	8	–	3	4.6	7.8	2500
Cardington ...	1002.6	+6	NW	4	c	51	65	7	8	–	–	7.8	7.8	2500
Winchester ...	1005.8	+6	NW	3	b/pr	47	95	8	1	6	–	1	1	4000
S. Farnborough ...	1004.4	+10	WNW	5	bc	52	65	8	2	8	1	4.6	4.6	2500
London (Kew) ...	1003.6	+6	WNW	4	c	51	65	7	5	–	–	7.8	7.8	2500
Croydon	1004.6	+8	WNW	4	3	51	65	6	5	–	–	9+	9+	1500
Manston	1006.6	+4	WNW	5	c	51	65	7	7	–	–	7.8	7.8	2500
Shoeburyness ...	1002.1	+14	NW	4	bc	51	75	7	2	–	–	4.6	4.6	4000
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe ...	1000.9	+12	NW	4	bc	51	65	8	4	–	–	4.6	4.6	2500
Scilly (St. Mary's)	1016.5	+10	NNW	7	c/pr	52	65	7	3	–	8	7.8	9	4000
Falmouth	1014.1	+10	NW	6	bc	52	65	8	3	–	–	4.6	4.6	4000
Plymouth	1011.9	+8	NNW	6	pr	51	75	8	9	–	3	2.3	2.3	2500
Portland Bill ...	1006.5	+4	WNW	7	bc	53	85	8	7	–	–	2.3	2.3	2500
Calshot, S'hampton	1005.4	+6	NNW	7	pr	54	65	7	8	–	–	7.8	7.8	1500
Dungeness ...	•	•	NW	5	c	•	•	7	5	–	•	7.8	7.8	4000
Lympne	1001.9	+6	NW'W	5	c	49	75	7	2	–	–	9+	9+	2500
Guernsey	1010.7	+4	WNW	4	cq	54	65	7	5	–	–	9+	9+	2500

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

STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
Lerwick	995.4	+20	NW	3	bc/ph	44	85	8	8	–	–	4.6	4.6	1500	1	•
Stornoway ...	1004.4	+8	NW	3	bc	41	95	7	8	4	–	4.6	4.6	4000	1	2
Wick	1000.2	+24	NW	3	c/pr	42	85	8	9	2	–	7.8	9	1500	1	3
Tiree	1008.1	+14	NW'N	7	bc	46	75	7	2	–	3	4.6	4.6	2500	0	4
Nairn	1003.1	•	WNW	3	c	41	85	8	3	–	–	7.8	7.8	1500	1	•
Aberdeen	1001.9	+20	WNW	4	bc	42	85	8	8	4	–	1	2.3	2500	1	1
Malin Head ...	1010.5	+17	NW	6	bc/p	48	75	7	3	–	–	4.6	4.6	2500	0	5
Renfrew	1007.3	+20	WNW	4	bc	42	85	8	8	–	–	2.3	2.3	2500	1	•
Inchkeith (Edin.)	1004.4	+22	WSW	4	bc	46	65	8	5	2	–	2.3	4.6	5700	0	2
Leuchars	1004.2	+26	W	4	b	43	75	9	4	6	–	1	1	4000	1	•
Eskdalemuir ...	1005.6	+22	WNW	6	bc	41	75	8	1	–	–	2.3	2.3	2500	1	•
Tynemouth ...	1003.3	+24	WNW	6	bc	45	75	7	1	–	–	2.3	2.3	2500	0	2
Blacksod Point ...	1016.5	+6	WNW	6	cq	47	75	7	9	–	–	9	9	450	0	6
Aldergrove ...	1011.4	+14	W'N	5	bc	42	85	8	9	–	3	4.6	4.6	2500	0	•
Donaghadee ...	1009.7	+20	NW	3	bc	45	75	7	5	–	–	7.8	7.8	4000	0	2
Birr Castle ...	1016.4	+8	NW	1	bc	43	95	8	3	4	–	1	2.3	2500	1	•
Holyhead	1010.3	+14	NW	8	c/p	50	75	8	8	–	–	7.8	7.8	2500	1	4
Liverpool (Bidston)	1008.3	+14	NW	6	c/pr	47	65	8	6	–	–	9	9	1500	0	•
Chester (Sealand)	1008.5	+20	NW	6	c/ph	46	85	7	3	–	–	7.8	7.8	1500	1	•
Harrogate	1004.8	+20	NW	8	c	43	75	8	4	–	–	Tr.	Tr.	4000	1	•
Spurn Head ...	1001.9	+10	NW'N	6	bcq	49	85	7	1	2	–	0	2.3	–	0	4
Birmingham ...	1007.9	+12	NW	4	bc	43	85	6	6	–	–	4.6	4.6	2500	1	•
Crauwell	1005.0	+28	WNW	4	b	45	75	6	6	6	–	0	Tr.	–	0	•
Gorleston	1002.5	+14	N'W	4	c.	45	95	6	6	–	–	10	10	1500	1	2
Valentia Obs. ...	1020.9	+6	NW'W	5	bc/pr	50	75	8	8	3	–	4.6	4.6	2500	1	4
Roches Point ...	1017.6	+14	N	4	bc	49	85	8	3	–	–	2.3	2.3	1500	0	3
Pembroke	1013.3	+16	NW	4	cq	49	75	8	8	–	–	7.8	7.8	1500	1	3
Ross-on-Wye ...	1010.0	+26	NW	4	bc	44	75	8	3	–	–	2.3	2.3	4000	1	•
Leafield	1008.4	+16	NW'W	4	b	41	85	8	5	–	–	1	1	4000	1	•
Cardington ...	1006.2	+24	NW'W	5	bcq	45	75	7	8	–	–	2.3	2.3	2500	1	•
Winchester ...	1008.8	+26	NW	4	c/pr	44	85	8	5	–	–	7.8	7.8	4000	1	•
S. Farnborough ...	1007.6	+22	WNW	4	b	45	85	8	3	–	–	Tr.	Tr.	2500	1	•
London (Kew) ...	1007.0	+22	WNW	4	b	47	65	7	–	7	–	0	1	–	1	•
Croydon	1007.3	+18	WNW	5	bcq	46	75	6	5	–	3	1	2.3	2500	1	•
Manston	1003.9	+22	WNW	4	bc	49	75	7	3	–	–	2.3	2.3	2500	1	•
Shoeburyness ...	1004.7	+20	NW	4	bc/hr	47	75	8	3	–	–	2.3	2.3	4000	1	•
Clacton-on-Sea ...	1004.3	+26	WNW	4	TLR	44	95	7	3	–	–	7.8	7.8	450	1	1
Felixstowe ...	1004.2	+22	NW	3	bc	48	75	8	8	–	–	4.6	4.6	4000	0	2
Scilly (St. Mary's)	1018.6	+12	NNW	6	c	50	75	7	8	7	8	4.6	9	4000	1	5
Falmouth	1015.4	+6	NW	6	bc	50	65	8	3	–	–	4.6	4.6	4000	1	3
Plymouth	1013.9	+14	NW	4	b	49	75	7	3	–	3	1	1	2500	1	2
Portland Bill ...	1010.3	+30	NW	7	bc	51	85	8	4	–	–	2.3	2.3	2500	0	4
Calshot, S'hampton	1009.2	+30	NW	4	bc/pr	46	85	7	5	–	–	2.3	2.3	2500	1	2
Dungeness ...	•	•	NW	2	bc	•	•	7	5	4	•	2.3	4.6	4000	•	3
Lympne	1004.9	+20	NW'W	4	c/pr	47	85	5	5	–	–	9+	9+	1500	1	•
Guernsey	1012.2	+12	NW	5	bcq	51	65	8	5	–	–	4.6	4.6	2500	1	4

PAST 24 HOURS. WEATHER.

STATIONS. (For heights see p. 4.)	7h.–13h. 25th (37)	13h.–18h. 25th (38)	18h. 25th to 1h. 26th (39)	1h.–7h. 26th (40)
Lerwick	c b c p. r	b c p h r	b c c p. r	c b c p. r.
Stornoway ...	c p. r p h	b c p r	b c p.	b c
Wick	c p r	c p r	c p. b c	c p.
Tiree	b c y	b c	b c p h q	b c q
Nairn	c p. r b c	b c p. r c	c p r	c
Aberdeen	b b c p. r	c P R b c	b	b
Malin Head ...	c b c p. r	b c p. r	b c p h. r b c p h r	b c p h r
Renfrew	b c c p. r c q	b c c q p. b c	b b c x	b b c x
Inchkeith (Edin.)	b c c	c b c	b c b	b
Leuchars	b w b c v q	b c y c p. r b v	b W v	b w b x v
Eskdalemuir ...	b b c	b c	b c b	b b x
Tynemouth ...	b c q	b c q	b c b	b b c
Blacksod Point ...	p r q c	p r q c	p r q c	c
Aldergrove ...	p. b c q p	p b c y b c p r q	b c c p r	b c p r
Donaghadee ...	p. r c q	c b c	b c	p r. b c
Birr Castle ...	b c c p.	c p. b c	b c p.	b c c
Holyhead	c q	k q P R H	b c	p r. c
Liverpool (Bidston)	c p r h q	c y p r q	b c p. b c q r q	b c P R
Chester (Sealand)	c P H R q c p r	c p r p. P R H q	c p r h q	c P H q c
Harrogate	b	b	b	b
Spurn Head ...	c b c	b c p r q	b c	b c
Birmingham ...	c p r h	c p r	b c p r	b c p r
Crauwell	c m. b b c	b c y p. b	b z.	b w m.
Gorleston	c b c q	c p r c q	a r. t b c	b c
Valentia Obs. ...	c p b c p. c	c p. r b c	b b c c p r.	b b c c p r.
Roches Point ...	b c p. q b c	b c q b c	b c b w	b b c c w
Pembroke	c p q	c p q	c b c q	b c q
Ross-on-Wye ...	b b c q	p. b c P b c b	b b c b	b b c b
Leafield	b c p r c	b c p r	b	b b c
Cardington ...	c p. r c	c p. r q b c b	b w	b w b c
Winchester ...	b c c P R b c b	b c p r c	c b c	b c b
S. Farnborough ...	b c v c p. q b c v	b c q p. c b	b	b b c
London (Kew) ...	b c c p. c	c p b c	b w	b w b c w
Croydon	c g y p r m.	c p r P R b c b m.	b m. w	b b c w
Manston	c b r c q	c p. r b c t l	b c p r. b	b b c
Shoeburyness ...	c b c	b c p r t l m.	b	b w
Clacton-on-Sea ...	c p b c	b c t l r	c p b c	b c b
Felixstowe ...	c p. b c c	b c t l	b c l b	b
Scilly (St. Mary's)	c p	c p.	c b c	b c c p.
Falmouth	c b c p. q	b c c p q	c b p q	b c q
Plymouth	c p r b c q	c p r. b q	b b c	c P R p r b c
Portland Bill ...	b c	b c	b c b	b b c
Calshot, S'hampton	b q b c c w p	b q c p r q b	b w	b
Dungeness ...	p	b c	.	b
Lympne	c b c m. c	c b c p r m. q	c b m.	b m.
Guernsey	b c c q	c q p r	b c q b c	b c p r c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

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

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

COLUMN 29.—STATE OF GROUND.

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

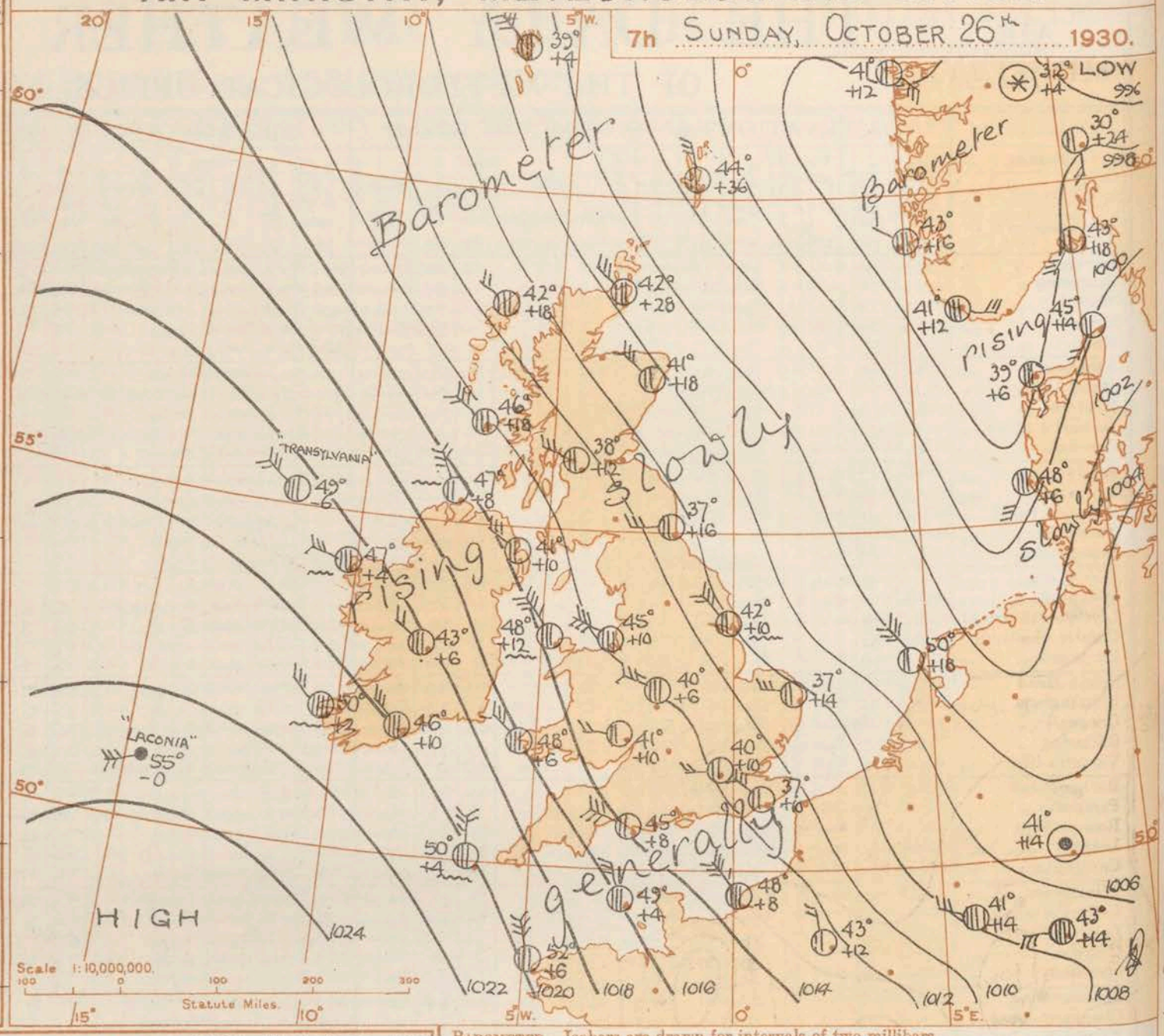
REPORTS from HEALTH RESORTS for 25th October 1930.

Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 24th to 9h. 25th	Temperature. Max. 9h.—17h. 25th	Rainfall. Night. 17h. 24th to 9h. 25th	Rainfall. Day. 9h.—17h. 25th	Sunshine. Sunrise to Sunset 25th
Dunbar	b	b	40	51	–	–	6.3
Berwick-on-T.	bc	bc	36	51	–	–	8.2
Douglas	cbqR	bbcrhq	43	49	14	7	5.0
Llandudno	cd,c	c	42	51	3	Trace	0.7
Colwyn Bay	robco	obc	42	51	3	–	1.5
Rhyl	prcbc	bceph	43	52	6	0.6	2.4
Wallasey	irhbc	cpirh	43	52	5	0.3	0.7
Southport ‖	bcqph	cb	44	52	4	2	3.3
Blackpool	cbc	cp	45	52	2	0.1	5.1
Morecambe	rrbc	rpbbc	42	52	11	Trace	6.2
Ilkley	bc	pbc	38	53	7	Trace	6.8
Cleethorpes	bbc	rc	36	52	–	0.4	6.8
Mablethorpe	bwmbc	vbcrpc	37	52	–	2	4.0
Skegness	bcobbc	oprvey	36	49	Trace	1	4.7
Aberystwyth	cprq	cqpr	46	51	0.3	0.3	1.5
Bath	bceb	hbcbc	41	53	1	2	5.2
Cheltenham †	qcirh	eip.	40	52	0.5	2	2.6
Leamington Spa	bccp	ro	38	51	1	1	2.7
Lowestoft	ircbc	bcrlr	35	51	Trace	1	6.0
Dovercourt	bc	bc	38	54	–	–	5.9
Maldon	rpcb	bc	38	53	2	–	5.9
Southend	bc	bcqrc	40	54	2	1	6.5
Ilfracombe	cbc	bcP	47	53	0.1	0.4	3.1
Bude	p.bc	bcq	44	52	3	Trace	2.5
St. Ives	b	c	46	53	0.3	0.3	0.2
Penzance	b	bcir	47	55	1	1	4.6
Torquay	pbcqp	bbcp.qbq	43	53	1	0.5	6.7
Jersey	rcd	bc	48	56	4	–	7.5
Weymouth	bp.	b	41	55	1	Trace	9.1
Bournemouth	b	b	41	54	0.5	–	9.0
Ventnor	b	bcb	41	56	Trace	–	9.1
Southsea	bP	bcb	42	54	–	3	7.6
Bognor Regis	bc	bcubr	41	54	–	1	6.4
Littlehampton	bc	bcpbc	39	55	–	1	6.9
Worthing	bc	bcrc	40	54	Trace	Trace	7.3
Brighton	bc	bcp.bc	42	55	–	1	7.5
Eastbourne †	bbc	bcbc	41	54	–	–	7.4
Hastings †	bccbc	bcqpcb	37	52	0.3	0.3	6.4
Folkestone	rbc	bcdbc	36	53	1	–	6.9
Dover	qkcb	bbcpm	40	52	3	Trace	6.8
Deal	bc	bc	39	50	2	–	7.5
Tunbridge Wells	cbc	cpoc	37	51	0.5	1	5.4
Ramsgate	bc	bc	40	53	1	–	5.6
Margate	bcp	bc	43	52	0.4	Trace	4.8

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h SUNDAY, OCTOBER 26th 1930.



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

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 26th October, 1930.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	▲ Northwesterly winds, squally, moderate to fresh, backing and moderating; mainly fair, apart from local showers of rain and hail; cool; ground frost at night.
5. S.W. England	▲ Wind northwesterly, squally, strong at times, backing and moderating; cloud increasing, showers at first, perhaps drizzle later; cool.
6. South Wales	▲
7. North Wales	▲
8. N.W. England	▲
9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind northwesterly, squally, fresh to strong, moderating and backing; mainly fair apart from showers of rain and hail; rather cold; ground frost at night.
12. S.W. Scotland & Isle of Man	▲
13. A. W. Scotld.	▲
13. B. N.W. Scotland.	▲
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands	
17. N.W. Ireland	▲ Wind northwesterly, squally, moderate to fresh, backing and moderating; mainly fair, apart from local showers; moderate temperature.
18. N.E. Ireland	▲
19. S.E. Ireland	▲ Wind northwesterly, squally, moderate to fresh, backing and moderating; mainly cloudy, showers at first, perhaps drizzle later; moderate temperature.
20. S.W. Ireland	▲

H.M. Stationery Office Forms 26. D.6026. Gp.908. 2821a. 10/30.

GENERAL INFERENCE.

A wedge of high pressure west of Ireland is moving eastwards. Northwesterly winds, squally at first, backing and moderating later, will occur. Weather will be mainly fair and cool, apart from local showers of rain and hail.

FURTHER OUTLOOK.

Bright periods and showers.

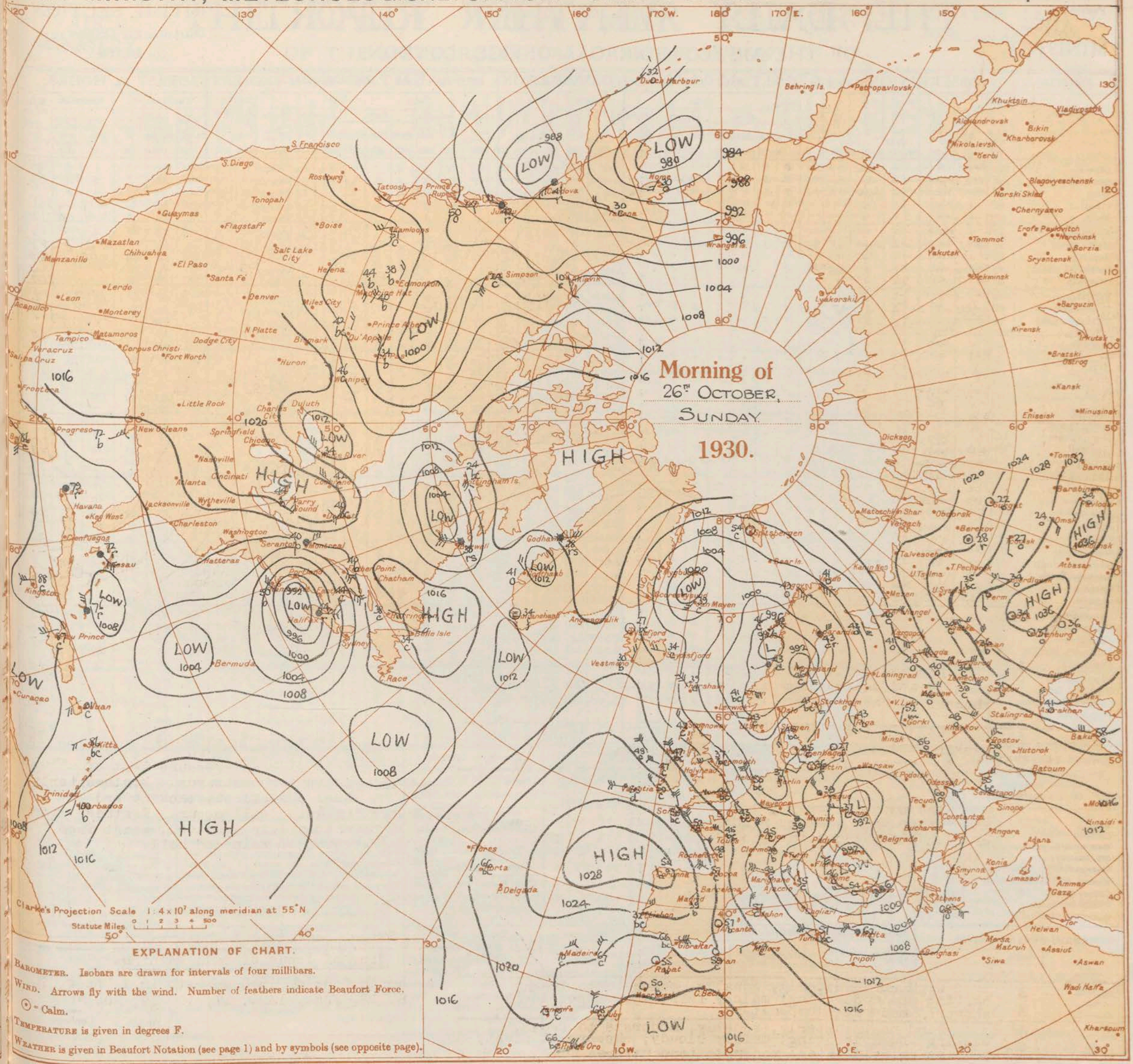
Time of issue of Gale Warning.

▲ North Cone at 1855 on 24th in 1, 5, 6, 7, 8, 12, 13A., 13B., 17, 18, 19, 20.

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

Forecasts issued at 1100 G.M.T.

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

⊙ = Calm.

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 26th October 1930.

No. 25,175

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

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)
Lerwick	54	996·9	+6	NW	2	pr	43	75	8	9	2	-	4·6	7·8	1500
Stornoway ...	34	1005·8	+4	WNW	3	bc	41	86	8	3	-	-	2·3	2·3	4000
Wick	81	1001·7	+4	NW	3	bc/pr	39	95	8	3	-	-	4·6	4·6	1500
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head ...	51	1011·7	+4	NW/N	6	bc/p	47	86	7	3	-	-	4·6	4·6	1500
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	1006·6	+4	WSW	4	b	42	75	8	-	4	-	0	1	-
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir ...	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth ...	67	1007·4	+8	W	2	b	37	75	7	-	-	-	0	0	-
Blacksod Point ...	10	1017·9	+4	WNW	6	c/pr	48	75	7	9	-	-	9	9	220
Aldergrove ...	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee ...	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle ...	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead... ..	26	1011·9	+2	NW	7	pr	49	75	8	8	-	-	2·3	2·3	2500
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate... ...	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head ...	29	1004·2	+6	NW/N	7	bc	43	95	7	-	2	-	0	2·3	-
Birmingham ...	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	1008·4	+4	W/N	3	2	39	75	6	-	-	-	0	0	-
Gorleston	14	1005·5	+10	W/N	3	bc	41	95	6	6	-	-	2·3	2·3	2500
Valentia Obs.+ ...	30	1021·7	0	NW	5	c	50	95	7	5	-	-	9	9	2500
Roches Point ...	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke... ...	150	1011·5	0	NW	4	q	49	75	8	4	-	-	4·6	4·6	4000
Ross-on-Wye ...	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington ...	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester ...	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew) ...	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1010·4	+1	NNW	4	b	44	75	7	-	-	-	0	0	-
Manston	135	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness ...	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea ...	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe ...	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1019·8	0	NNW	5	bc	49	75	8	2	-	-	4·6	4·6	4000
Falmouth... ...	200	1018·3	+1	NW/N	4	bc	49	65	8	2	-	-	4·6	4·6	4000
Plymouth... ...	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill ...	32	1012·9	+2	NW	6	b	49	85	8	4	-	-	Tr.	Tr.	2500
Calshot, S'hampton	8	1012·0	+1	NW	4	b	44	75	7	-	-	-	0	0	-
Dungeness ...	20	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	347	1008·3	+2	NW/W	4	2	40	85	5	5	-	-	2·3	2·3	2500
Guernsey	173	1015·5	+8	NNW	3	9	49	65	7	5	-	-	4·6	4·6	2500

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

STATIONS.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	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)
Lerwick	1001·1	+3.6	NNW	3	bc	44	75	8	3	-	-	4·6	4·6	1500	1	*
Stornoway	1002·5	+1.8	NW	2	c	42	85	8	3	6	-	4·6	7·8	4000	1	1
Wick	1005·0	+2.8	NW	3	bc/pr	42	85	8	3	-	-	4·6	4·6	1500	1	3
Tiree	1012·2	+1.8	NW	5	c	46	75	8	8	9	9	2·3	7·8	2500	0	3
Nairn	1007·8	•	WNW	2	c	41	86	8	3	-	-	7·8	7·8	1500	1	*
Aberdeen	1006·4	+1.8	NW	4	b	41	85	8	8	-	-	1	1	2500	1	1
Malin Head ...	1014·1	+8	NNW	5	bc/p	47	85	8	3	3	-	2·3	4·6	1500	0	4
Renfrew	1011·6	+12	WNW	3	bc	38	85	8	2	7	9	Tr.	2·3	1500	1	*
Inchkeith (Edin.)	1009·1	+14	WSW	4	b	41	75	8	5	-	-	1	1	2500	0	2
Leuchars	1008·2	+2.0	W	4	b	39	65	9	4	3	-	1	1	5700	1	*
Eskdalemuir ...	1010·9	+2.0	NNW	2	b	35	85	8	1	-	1	1	1	2500	1	*
Tynemouth ...	1008·8	+1.6	W	3	bc	37	85	8	1	-	-	2·3	2·3	4000	0	2
Blacksod Point ...	1018·4	+4	WNW	4	o	47	75	8	5	-	-	10	10	800	0	4
Aldergrove ...	1015·1	+2.6	WN	2	c/p	41	85	8	8	7	8	4·6	7·8	2500	1	*
Donaghadee ...	1012·7	+1.0	NW	3	bc	41	85	8	8	6	-	4·6	4·6	4000	1	2
Birr Castle ...	1018·5	+6	NW	2	c	43	85	7	5	-	-	3+	3+	2500	1	*
Holyhead... ..	1013·6	+12	NNW	7	c	48	75	8	4	-	9	7·8	7·8	1500	1	4
Liverpool (Bidston)	1011·8	+10	WNW	6	pr	45	75	8	9	-	-	4·6	4·6	1500	1	*
Chester (Sealand)	1012·1	+14	NNW	4	c	45	85	8	8	-	-	7·8	7·8	2500	2	*
Harrogate... ...	1010·6	+14	W	3	b	36	85	9	-	3	-	0	Tr.	-	1	*
Spurn Head ...	1007·9	+10	NNW	6	bc	42	85	7	2	1	-	1	2·3	4000	0	4
Birmingham ...	1012·7	+6	WNW	4	c/p	40	85	8	6	3	-	7·8	7·8	2500	1	*
Cranwell	1010·4	+10	W/N	4	b	35	85	6	-	3	-	0	Tr.	-	0	*
Gorleston	1008·6	+14	W/N	3	bc	37	85	6	9	-	-	2·3	2·3	1500	1	2
Valentia Obs.+ ...	1021·5	+2	NNW	3	c/p	50	75	8	5	2	-	7·8	10	2500	1	4
Roches Point ...	1013·7	+10	NW	3	c	46	95	8	3	-	-	7·8	7·8	2500	0	3
Pembroke... ...	1015·7	+6	NW	4	q	48	75	8	5	4	1	4·6	4·6	4000	0	3
Ross-on-Wye ...	1013·5	+10	W	2	b	41	85	8	5	-	9	1	1	4000	1	*
Leafield	1012·6	+10	NNW	4	bc	37	85	9	5	-	9	2·3	4·6	4000	1	*
Cardington ...	1011·2	+10	WNW	3	bc	39	85	8	7	-	-	4·6	4·6	4000	1	*
Winchester ...	1013·6	+6	NW	2	bc	38	95	8	1	4	1	Tr.	2·3	4000	1	*
S. Farnborough ...	1012·3	+10	W	2	bc	39	85	8X	5	3	1	2·3	4·6	5700	1	*
London (Kew) ...	1012·6	+10	W	2	bc	40	85	8	-	3	8	0	4·6	-	1	*
Croydon	1012·2	+10	W/N	3	bc	40	85	8	5	3	9	2·3	4·6	4000	1	*
Manston	1009·9	+10	WNW	4	bc	42	86	7	7	-	-	2·3	2·3	2500	1	*
Shoeburyness ...	1010·8	+14	NW	3	b	38	85	8	-	4	8	0	1	-	1	*
Clacton-on-Sea ...	1009·1	+14	WNW	4	bc	39	95	7	5	-	-	2·3	2·3	450	0*	2
Felixstowe ...	1007·8	+14	NW/W	4	b	40	85	8	-	-	-	0	0	-	0	2
Scilly (St. Mary's)	1020·2	+4	NW	5	c	50	75	8	8	4	8	4·6	7·8	4000	1	4
Falmouth... ...	1018·5	+10	NW/N	5	c	48	65	8	2	3	-	4·6	7·8	4000	0	2
Plymouth... ...	1017·3	+16	NW	3	c	47	85	8	9	3	1	1	7·8	2500	1	1
Portland Bill ...	1013·4	+8	NW/W	6	bc	48	95	8	7	4	-	2·3	4·6	2500	0	3
Calshot, S'hampton	1013·2	+10	NW/N	3	bc	41	85	7	8	-	-	2·3	2·3	4000	0	1
Dungeness ...	•	•	NW	2	bc	•	•	7	4	-	•	4·6	4·6	4000	•	1
Lympne	1010·1	+10	NW	4	b	37	93	7	-	3	-	0	1	-	0	*
Guernsey	1016·1	+4	NNW	3	c	43	75	8	5	-	-	7·8	7·8	2500	0	3

PAST 24 HOURS.

STATIONS.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 25th Hrs. (36)
Lerwick	48	42	*	1	Tr.	3·7
Stornoway ...	48	38	*	5	4	2·8
Wick	47	38	*	4	2	*
Tiree	49	43	37	0·1	0·6	3·1
Nairn	47	38	*	0·4	0·3	1·3
Aberdeen	48	38	33	2	-	4·6
Malin Head ...	51	40	*	0·6	2	2·2
Renfrew	50	35	26	0·1	-	4·5
Inchkeith (Edin.)	51	40	38	-	-	6·2
Leuchars	51	33	25	0·1	-	6·7
Eskdalemuir ...	48	33	23	-	-	7·2
Tynemouth ...	52	36	31	-	-	*
Blacksod Point ...	51	42	*	1·2	1	*
Aldergrove ...	48	39	33	0·3	1	4·2
Donaghadee ...	50	40	*	0·3	0·5	*
Birr Castle ...	51	41	36	0·1	Tr.	5·4
Holyhead... ..	52	47	44	0·4	0·1	4·1
Liverpool (Bidston)	50	40	37	1	5	0·7
Chester (Sealand)	52	42	37	1·4	5	1·0
Harrogate... ...	51	35	30	-	-	8·1
Spurn Head ...	52	41	*	Tr.	-	6·0
Birmingham ...	49	38	35	5	2	1·6
Cranwell	52	34	30	Tr.	-	7·3
Gorleston	52	36	34	2	2	6·0
Valentia Obs.+ ...	51	48	44	1	0·4	1·5
Roches Point ...	51	45	*	Tr.	Tr.	*
Pembroke... ...	52	47	*	Tr.	-	1·7
Ross-on-Wye ...	53	37·9	32·5	0·6	-	7·4
Leafield	52	36	31	3	-	4·0
Cardington ...	52	38	35	Tr.	-	3·3
Winchester ...	54	38	35	2	0·1	5·7
S. Farnborough ...	52	38	30	0·4	-	5·6
London (Kew) ...	52	39	34	0·3	-	3·2
Croydon	52	38	33	1	Tr.	1·8
Manston	52	41	38	0·3	Tr.	4·5
Shoeburyness ...	53	37	33	0·5	Tr.	6·0
Clacton-on-Sea ...	51	38	35	3	0·6	4·9
Felixstowe ...	52	39	35	0·1	-	4·7
Scilly (St. Mary's)	52	47	*	4·4	0·1	3·4
Falmouth... ...	53	48	*	2	1	4·4
Plymouth... ...	52	45	43	1	1	6·1
Portland Bill ...	55	48	*	-	-	*
Calshot, S'hampton	54	40	35	0·2	-	5·0
Dungeness ...	53	46	*	0·3	Tr.	*
Lympne	50	36	31	0·2	-	6·7
Guernsey	55	47	42	Tr.	0·4	6·3

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
Kew	18	bc/c/c	c/p/bc	bw/bc/w	52	39	34	0·3	-	3·2	•	•	6
Croydon	244	cr/y/br/m	cb/r/Rbc	bm/w	52	38	33	1	Tr.	1·8	•	•	6
Greenwich (Royal Observatory) ...	149	cr/b	bc/p/b	br/c/b	52	38	29	1	Tr.	2·6	77	74	5
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	3·3	•	•	•
Westminster (St. James' Park) ...	21	•	•	•	53	39	34	2		3·5	73	72	•
Regents Pk. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	•	4·3	•	•	•
Camden Square	110	bc/c/p	c/p/c	•	51	40	*	2	-	•	•	82	•
Kensington Palace	80	or/p	c	•	52	39	30	2	-	•	At 18h. 77	79	•
Hampstead Observatory	450	bc/or	bc	•	50	35*	28	3	Tr.	4·3	•	73	•

FOREIGN OBSERVATIONS.

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

STATIONS.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1006·3	W	5	c	46
Brussels	1002·4	W	2	c/r	41
Berlin...	1000·8	SW	1	bc	46
Zürich...	1006·8	NW	1	c	41
Rome					

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

STATIONS.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1012·1	NNW	2	bc	43
Brussels					
Berlin...					
Zürich...	1007·8	NW	1	r/c	39
Rome	994·2	NNE	3	c	61

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·6	18h 25th	<0·3	0h 26th

Kew Observatory. Max.	Time.	Min.	Time.
0·2	19h 25th	<0·1	2h 26th

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
?	43	?	0·3
46		9	
52		0·3	
48	39	3	2
	43		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	2⅛	,,
6	Moderate ,,	6½	,,
7	Good ,,	12½	,,
8	Very good ,,	31	,,
9	Excellent ,,	beyond 31m.	

COLUMN 30.—Code for State of Sea.

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

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

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 27th October 1930.

No. 25,176

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

STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
Lerwick	1004.4	+12	WNW	4	pr.	46	75	8	8	-	-	7-8	7-8	1500
Stornoway	1012.7	+10	WNW	2	bc	47	75	8	7	6	-	2-3	4-6	4000
Wick	1010.1	+22	NW	4	bc/pr	44	85	8	3	6	8	4-6	4-6	1500
Tiree	1015.5	+12	WNW	3	cjp	47	75	9	8	7	-	4-6	7-8	1500
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1011.3	+26	NW	4	bc	47	65	8	8	-	-	2-3	2-3	2500
Malin Head	1016.7	+10	NNW	3	cjp	49	75	8	8	4	-	4-6	7-8	2500
Renfrew	1015.1	+18	WNW	3	bc	51	65	8	2	4	9	1	4-6	2500
Inchkeith (Edin.)	1013.4	+16	WNW	3	c	47	65	9	1	6	4	2-3	7-8	4000
Leuchars	1012.8	+14	WNW	4	bc	47	65	9	1	6	9	Tr.	4-6	4000
Eskdalemuir	1013.7	+14	WNW	4	bc	47	55	8	1	-	2	1	4-6	2500
Tynemouth	1012.5	+16	NNW	3	bc	48	55	7	2	-	1	2-3	4-6	2500
Blacksod Point	1019.4	+ 2	W	3	dd	49	75	8	6	-	-	10	10	<150
Aldergrove	1017.1	+ 6	NW	3	c	47	75	8	8	7	-	1	9	4000
Donaghadee	1016.1	+ 8	WNW	2	c	47	75	8	7	3	1	4-6	7-8	4000
Birr Castle	1020.1	+ 2	NW	1	c	49	75	8	-	7	-	0	10	-
Holyhead	1016.9	+14	NW	5	c	49	75	8	7	3	9	4-6	9	4000
Liverpool (Bidston)	1015.4	+10	WNW	5	pr.	48	75	8	9	6	-	4-6	7-8	2500
Chester (Sealand)	1015.3	+14	NW'W	5	c	49	75	8	8	3	1	7-8	7-8	2500
Harrogate	1013.2	+10	W	3	bc	48	55	8	1	-	1	1	2-3	4000
Spurn Head	1012.3	+10	NNW	4	bc	47	75	7	2	-	-	4-6	4-6	4000
Birmingham	1015.5	+ 8	NW	4	c	46	75	8	9	5	-	7-8	9	2500
Cranwell	1013.9	+14	NW	4	bc	47	55	7	1	-	2	2-3	4-6	4000
Gorleston	1011.8	+10	NW	3	bc	49	65	6	1	-	-	2-3	2-3	4000
Valentia Obs.	1021.6	- 2	WSW	1	do do	50	95	5	5	-	-	10	10	450
Roches Point	1021.1	+ 2	NW	3	c	50	95	8	3	-	-	9	9	2500
Pembroke	1019.1	+ 6	NW	3	q	50	75	8	2	4	-	4-6	4-6	4000
Ross-on-Wye	1016.3	+14	NW'N	3	c	50	65	8	8	4	2	4-6	7-8	4000
Leafield	1015.6	+16	NW	4	bc	47	65	9	1	3	6	2-3	4-6	2500
Cardington	1014.1	+ 8	NW'N	4	c	50	65	8	8	-	4	4-6	7-8	2500
Winchester	1016.0	+10	NW'N	4	bc	49	55	8	1	6	1	4-6	4-6	2500
S. Farnborough	1014.7	+ 6	NW	3	c	49	65	8	1	3	-	7-8	7-8	2500
London (Kew)	1015.1	+ 8	NW	3	bc	49	65	6	1	3	6	4-6	4-6	4000
Croydon	1015.0	+10	WNW	4	3	49	55	6	7	-	-	7-8	7-8	2500
Manston	1013.2	+16	NW	4	bc	48	65	8	1	3	-	2-3	2-3	2500
Shoeburyness	1013.8	+14	NNW	4	bc	49	55	8	2	-	1	2-3	4-6	4000
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	1013.4	+18	NW	3	bc	48	55	9	1	-	1	Tr.	2-3	2500
Scilly (St. Mary's)	1022.0	+ 6	NNW	4	c	53	75	8	2	6	1	4-6	7-8	4000
Falmouth	1021.0	+ 6	NW'W	6	bc	52	65	8	2	-	-	4-6	4-6	4000
Plymouth	1019.4	+ 8	NNW	4	c/pr	49	85	8	9	-	3	4-6	7-8	4000
Portland Bill	1016.6	+14	NW	5	c	53	85	8	7	4	-	4-6	7-8	2500
Calshot, S'hampton	1015.9	+10	NNW	5	bc	51	65	8	8	4	-	4-6	4-6	2500
Dungeness	*	*	N	4	bc	*	*	7	1	-	*	2-3	2-3	4000
Lympne	1013.5	+14	NNW	5	bc	47	55	8	2	-	-	4-6	4-6	2500
Guernsey	1018.3	+ 8	NW	3	bc	53	65	7	7	-	-	4-6	4-6	2500

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

STATIONS.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°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)
Lerwick	1007.6	+24	NNW	4	pr.	44	85	8	3	-	-	4-6	4-6	1500	1	*
Stornoway	1014.7	+ 8	NNW	2	bc	42	85	7	3	4	-	4-6	4-6	4000	1	1
Wick	1012.7	+16	NW	3	bc/phf	40	95	8	3	-	8	4-6	4-6	1500	1	3
Tiree	1016.8	+ 8	NW'N	3	c	47	75	8	7	7	6	2-3	7-8	2500	0	2
Nairn	1015.5	*	WNW	1	bc	39	85	8	3	8	-	2-3	4-6	2500	0	*
Aberdeen	1015.0	+22	WNW	3	bc	41	75	8	1	-	-	2-3	2-3	2500	1	1
Malin Head	1017.4	+ 4	W	1	bc	45	85	8	7	3	-	4-6	4-6	2500	0	2
Renfrew	1017.1	+12	WNW	2	bc	40	85	8	4	-	-	2-3	2-3	4000	1	*
Inchkeith (Edin.)	1014.6	+ 6	W	3	bc	47	75	8	5	3	-	2-3	4-6	4000	0	1
Leuchars	1015.6	+18	SW	2	b	38	85	9	7	-	4	1	1	4000	1	*
Eskdalemuir	1016.8	+14	3SE	1	b	38	85	8	1	-	-	1	1	2500	1	*
Tynemouth	1015.6	+20	WNW	2	bc	44	75	7	1	-	-	2-3	2-3	4000	0	2
Blacksod Point	1017.9	- 6	W	3	dd	47	95	8	6	-	-	10	10	<150	1	3
Aldergrove	1018.6	+10	W	1	bc	41	85	8	8	7	-	1	4-6	4000	1	*
Donaghadee	1017.2	+10	NNW	1	bc	43	75	7	5	3	-	4-6	4-6	4000	0	0
Birr Castle	1020.1	+ 2	SW	1	r. r.	45	95	7	6	-	-	10	10	2500	1	*
Holyhead	1018.3	+ 6	WNW	5	c	50	75	8	7	8	-	9	9	2500	1	3
Liverpool (Bidston)	1017.9	+10	W'N	4	c	46	75	8	8	-	-	7-8	7-8	2500	0	*
Chester (Sealand)	1017.8	+14	WNW	3	c	44	85	8	8	-	-	7-8	7-8	2500	2	*
Harrogate	1016.9	+14	SSW	1	b	39	75	7	-	4	-	0	Tr.	-	1	*
Spurn Head	1014.7	+ 8	NW'N	4	bc	47	75	7	-	2	-	0	4-6	-	0	4
Birmingham	1018.8	+16	WNW	2	bc	42	85	5	5	-	-	2-3	2-3	2500	1	*
Cranwell	1017.0	+24	WNW	3	bc	40	75	6	1	-	-	2-3	2-3	4000	0	*
Gorleston	1015.0	+12	W'N	3	bc	43	75	6	7	-	-	2-3	2-3	4000	0	2
Valentia Obs.	1020.7	0	W	3	i do	53	95	6	5	-	-	10	10	450	1	3
Roches Point	1020.5	- 4	SW	2	do do	49	95	6	5	-	-	10	10	800	1	2
Pembroke	1020.4	+ 4	NW	3	c	50	75	8	8	7	-	10	10	800	0	2
Ross-on-Wye	1018.9	+16	W'N	1	bc	43	75	8	-	7	-	0	2-3	-	1	*
Leafield	1018.4	+16	NW	4	b	40	85	8	-	3	-	0	1	-	0	*
Cardington	1016.9	+16	NW'W	3	bc	43	75	7	5	-	-	2-3	2-3	5700	0	*
Winchester	1018.8	+18	NW'W	3	b	39	85	8	-	4	9	0	1	-	1	*
S. Farnborough	1017.8	+22	WNW	1	b	42	75	8	-	9	-	0	Tr.	-	1	*
London (Kew)	1018.0	+24	WNW	1	b	44	75	5	1	-	-	Tr.	Tr.	4000	1	*
Croydon	1017.3	+18	WNW	2	m	43	75	4	-	3	-	0	1	-	1	*
Manston	1016.1	+12	NE'N	4	b	45	75	7	1	-	-	Tr.	Tr.	2500	0	*
Shoeburyness	1016.8	+14	WNW	2	b	42	75	7	-	-	-	0	0	-	0	*
Clacton-on-Sea	1016.0	+20	NW	2	bc	43	75	6	5	-	-	2-3	2-3	450	0	0
Felixstowe	1016.7	+22	NW	2	b	44	75	8	-	-	-	0	0	-	0	2
Scilly (St. Mary's)	1022.4	+ 4	NW	4	pr	51	95	7	5	-	-	9+	9+	4000	0	3
Falmouth	1022.2	+ 2	NW'W	3	c	50	75	8	5	2	-	4-6	10	4000	0	1
Plymouth	1020.8	+10	NNW	2	3	50	75	6	5	-	-	9+	9+	4000	1	1
Portland Bill	1019.3	+12	NW	4	2	50	85	8	4	4	-	7-8	9+	2500	0	3
Calshot, S'hampton	1018.6	+20	NW	3	bc	45	85	7	5	4	-	2-3	2-3	2500	0	1
Dungeness	*	*	NW'W	3	3	*	*	6	1	1	*	1	2-3	4000	*	2
Lympne	1016.5	+18	NW'W	3	3	40	85	6	1	-	-	1	1	2500	0	*
Guernsey	1019.8	+10	NNW	2	c	51	65	8	5	-	-	7-8	7-8	2500	0	3

PAST 24 HOURS. WEATHER.

STATIONS. (For heights see p. 4.)	7h.–13h. 26th (37)	13h.–18h. 26th (38)	18h. 26th to 1h. 27th (39)	1h.–7h. 27th (40)
Lerwick	cp. r	cbcp. r	6cc i. 6c	bccp. r
Stornoway	bcpr	bc	c6c	bcod.
Wick	bcpr	bcprh	c	c
Tiree	cbcp. q	bc	bcprc	crr
Nairn	cbc	bc	bcx	bcc
Aberdeen	bcpr	b	b	b
Malin Head	bcp. r	cbcp.	6cc	o
Renfrew	bcxbcc	bcb	bx	bx om. i.
Inchkeith (Edin.)	bbc	cbc	6c	bcc m. m.
Leuchars	bxbcv	bcbv	bv bx	b bc x cx
Eskdalemuir	bx bcy	bcy bcb	bx	bxcx
Tynemouth	bc	bc	6cm	bc
Blacksod Point	dd	dd	dd	ddc
Aldergrove	cp. cjp	cjpbc	bc	bcxcy cm.
Donaghadee	p. r bc	bc	bbcc	cid. c
Birr Castle	c	cor.	or. r.	or. r c
Holyhead	cbcc	c	c6cc	c, dd, o
Liverpool (Bidston)	p. h bc	bcbbc	bcp. b	bccm.
Chester (Sealand)	bcgw. rc	cbcp. pr	bcp. r	bcc
Harrogate	o	b	b	bbcc
Spurn Head	bc	cbc	6c	cz
Birmingham	cbcp. r	bcpr	bcb	bbcc
Cranwell	bm. bcy	bcybv	6z. m.	bm. wc
Gorleston	bc	bc	6c6	bbcm
Valentia Obs.	cp. r od.	aid.	oid. c	oid. c
Roches Point	cp. c	cod. d.	od. d. o	ocw
Pembroke	bcq	bcc	od. d	odd, c
Ross-on-Wye	bbcc	cp. bcc	bbmx	bfcfod. f
Leafield	bc	bc	b	bbc
Cardington	bc	bcyb	bw	bwxbcm.
Winchester	bbccbcy	bcyb	bbx	bfxbcm. x
S. Farnborough	bcv	cbc	b	bbcmx
London (Kew)	bcz.	bcbm.	bm.	bm. x cm. x
Croydon	bcwcz.	cbcybm	6mw	bwbcxm.
Manston	bccbc.	bcb	bbc	bcwm
Shoeburyness	bbcy	bcyb	b	bcm.
Clacton-on-Sea	bbc	bcbz	bz	bz bcx
Felixstowe	by	by	b	bcm.
Scilly (St. Mary's)	cbcc	c	ddmg	orrc
Falmouth	bcq	bcco	occd	omr
Plymouth	bcpr. c	bccpr	com.	od. d. m
Portland Bill	bcc	cpr c	6cc	c
Calshot, S'hampton	bbc	bbc	6w	bwm. mx
Dungeness	bc	b	*	z
Lympne	bcz. bc	bcbm.	omow	bbcm. x
Guernsey	cbcc	bcc	c6cc0	occ

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

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

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

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

COLUMNS 12, 13, 26, 27.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

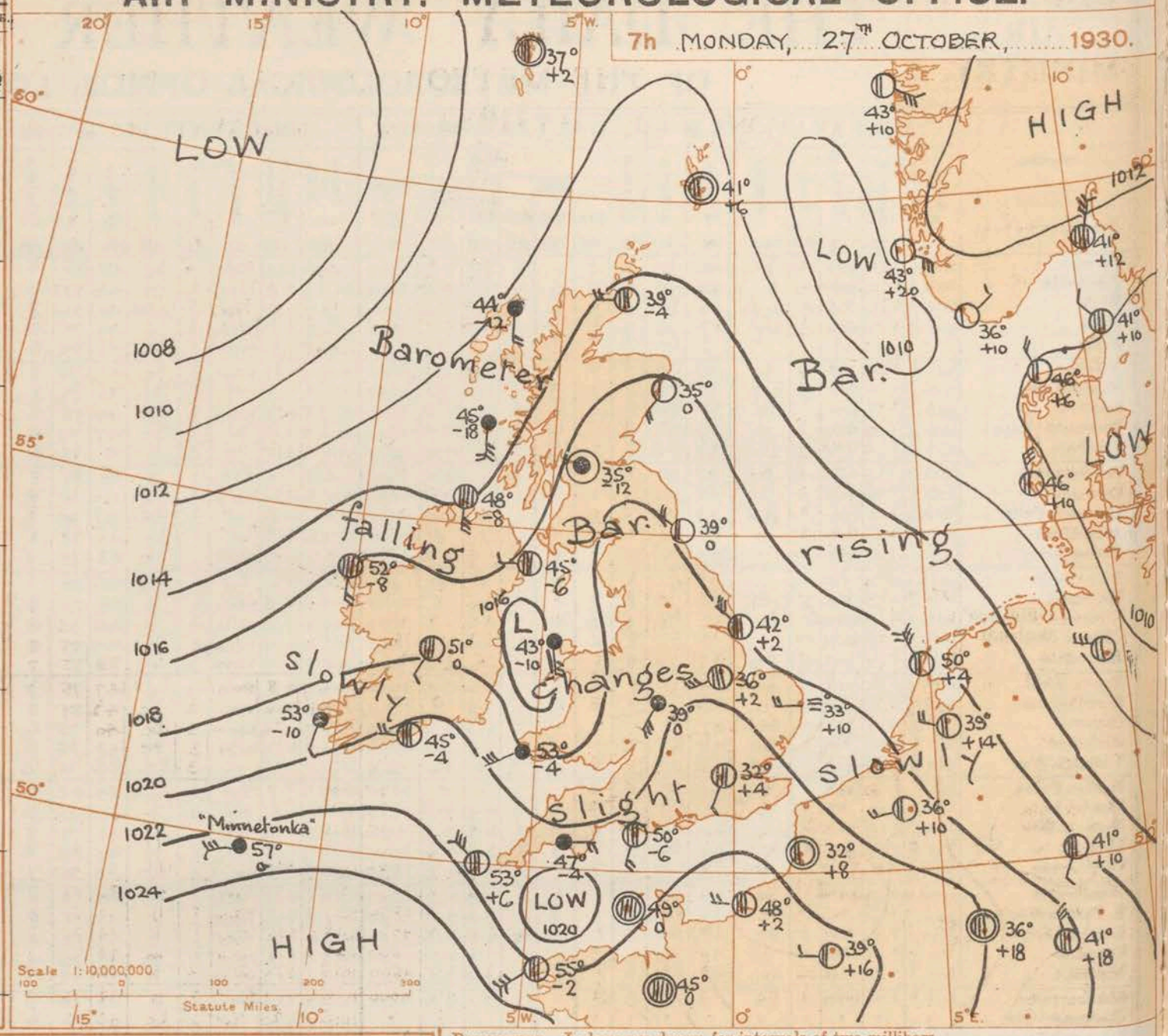
COLUMN 29.—STATE OF GROUND.

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

REPORTS from HEALTH RESORTS for 26th October 1930.

Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h.25th to 9h.26th	Temperature. Max. 9h.—17h. 26th	Rainfall. Night. 17h.25th to 9h.26th	Rainfall. Day. 9h.—17h. 26th	Sunshine. Sunrise to Sunset. 26th
Dunbar	b	bc	37	48	–	–	8.2
Berwick-on-T.	bc	bc	36	49	–	–	8.9
Douglas	crcbc	crcb	40	?	14	2	0.9
Llandudno	cprsc	c	46	51	0.3	0.5	1.6
Colwyn Bay	orbco	pbco	43	49	2	3	1.4
Rhyl	bcpr	cbpr	42	50	9	1	2.4
Wallasey	irebc	bc	43	50	7	–	4.3
Southport ‖	dbcco	bhc	43	50	1	0.3	5.8
Blackpool	cbc	bc	43	50	2	–	6.5
Morecambe	b	b	43	50	–	–	8.3
Ilkley	b	b	33	52	–	–	7.3
Cleethorpes	b	bcf	35	46	–	–	7.2
Mablethorpe	wmsbcb	bbcm	36	49	–	–	9.0
Skegness	b	b	34	49	–	–	8.7
Aberystwyth	cprc	cbcc	47	50	0.5	–	3.5
Bath	ctbbc	bcpc	41	52	Trace	Trace	6.4
Cheltenham †	wcbc	bccz	35	49	–	–	6.4
Leamington Spa	bcc	cbc	36	49	Trace	–	5.3
Lowestoft	tlroc	bc	35	49	3	–	9.0
Dovercourt	bc	bc	39	49	–	–	8.9
Maldon	b	b	40	50	–	–	7.9
Southend	bzbc	bcmb	38	52	Trace	–	8.5
Ilfracombe	cbc	bcc	51	52	–	–	3.4
Bude	cbc	bcc	46	52	0.3	–	4.0
St. Ives	c	o	46	52	1	–	3.2
Penzance	bc	bcbc	47	55	2	–	4.3
Torquay	rpb	bcpc	44	53	1	Trace	6.0
Jersey	rbc	dbc	50	55	2	0.1	7.3
Weymouth	bpc	cpbc	41	54	–	0.1	6.0
Bournemouth	b	bbc	41	53	–	–	7.2
Ventnor	b	bbc	41	52	Trace	–	8.1
Southsea	b	b	41	52	–	–	8.6
Bognor Regis	bbc	bbcb	39	51	0.3	–	8.1
Littlehampton	bc	bc	41	52	0.1	–	7.8
Worthing	bc	bc	40	52	Trace	–	6.8
Brighton	bc	bcb	40	52	–	–	6.5
Eastbourne †	bcbc	bcb	41	52	–	–	5.8
Hastings †	bcbc	bcb	37	50	–	–	6.5
Folkestone	wb	b	40	50	–	–	8.5
Dover	bbc	bcbm	41	49	–	–	8.7
Deal	b	b	37	49	–	–	8.6
Tunbridge Wells	bcb	bc	38	49	–	–	8.1
Ramsgate	b	b	42	50	–	–	8.6
Margate	bbc	bc	43	50	Trace	–	8.6

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



Districts.	Forecasts for the 24 hours commencing 12 noon, G.M.T. 27th Oct. 1930.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind south to southwest, light or moderate; cloudy, occasional rain or drizzle, especially at first; mist locally; becoming much milder.
5. S.W. England 6. South Wales	Wind west to southwest, moderate or fresh; cloudy, some drizzle; mist locally; mild.
7. North Wales 8. N.W. England	Wind southwest, moderate or fresh, becoming strong locally; cloudy, some rain or drizzle; mild.
9. N. Midlands 10. N.E. England 11. S.E. Scotland	As 1 - 4.
12. S.W. Scotland & Isle of Man 13. A. W. Scotld. / B. N.W. Scotland. 14. Mid-Scotland	As 7 - 8.
15. N.E. Scotland 16. Orkneys and Shetlands.	Freshening south to southwest winds; cloudy, some rain; fairer later but perhaps occasional rain; becoming much milder.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 7 - 8.

Barometer. Isobars are drawn for intervals of two millibars.
Wind. Arrows fly with the wind. Number of feathers indicate Beaufort force.
Temperature is given in degrees F. Calm. = ⊙
Weather Symbols :—
○ Clear sky. ◔ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 6/10 to 9/10 clouded. ● Overcast sky.
● Rain falling. ✱ Snow. ▲ Hail. ≡ Fog. ≡° Mist. T Thunder. ⱦ Thunderstorm.
Sea Disturbance. ~ Rough. ≈ High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A depression south of Iceland will move east-north-east and deepen, and an associated trough of low pressure will move eastward over Great Britain, with rain or drizzle and a rising temperature.

FURTHER OUTLOOK.

Unsettled, especially in the North and West; mild generally.

Forecasts issued at 0930 G.M.T.

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

H.M. Stationery Office Press, Kingsway, W.C.2.
Pa.2495/2/36. Wt.26. D.6026. Gp.308. 2820. 10/30.

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

Morning of
MONDAY
OCTOBER 27th
1930.

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

⊙ = Calm.

TEMPERATURE is given in degrees F.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

MON day 27th October 1930.

No. 25176

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

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	Form. Med.	Form. High	Amount. Low 0-10	Amount. Total 0-10	Height of Base. (feet)
	(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Lerwick	54	1011.1	+16	NNW	2	bc/r	43	85	8	4	-	-	46	46	1500
Stornoway	34	1014.6	0	W	1	c	40	95	7	5	1	-	23	7-8	4000
Wick	81	1015.5	+1	WNW	2	bc	39	75	8	3	-	-	46	46	1500
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	51	1016.7	-10	SSE	2	c	44	95	8	6	2	-	7	10	1500
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	1017.4	+1	WSW	3	bc	39	85	6	5	-	-	46	46	800
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	67	1017.3	+1	W	2	bc	38	85	7	5	-	-	2-3	2-3	1500
Blacksod Point	10	1016.2	-6	W	3	dd	53	95	6	6	-	-	10	10	<150
Aldergrove	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1019.8	-6	S	2	c	44	85	7	5	-	-	10	10	1500
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	29	1017.8	+1	NW	3	bc	42	85	6	5	-	-	23	2-3	2500
Birmingham	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	1019.6	+6	WSW	3	b	35	95	6	-	-	-	0	0	-
Gorleston	14	1018.1	+6	W'N	3	b	37	85	7	-	-	-	0	0	-
Valentia Obs.+	30	1021.1	0	W'N	3	c	52	95	6	3	-	-	9+	9+	1500
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke	150	1020.0	0	S	1	dd	48	95	6	5	-	-	10	10	800
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew)	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1020.4	+6	W	2	b	36	85	7	-	-	-	0	0	-
Manston	135	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1022.0	+1	NNW	1	0r	53	95	5	5	-	-	10	10	2500
Falmouth	200	1022.5	0	-	0	c/d	47	95	7	5	2	-	23	10	4000
Plymouth	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	32	1020.9	0	NW	3	c	47	85	8	4	1	-	46	7-8	2500
Calshot, S'hampton	8	1020.8	0	NNW	3	b	40	85	6	-	-	-	0	0	-
Dungeness	20	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	347	1019.5	+8	NW	3	2	35	95	5	-	-	-	0	0	-
Guernsey	173	1021.6	+6	-	0	0	49	75	8	5	-	-	10	10	2500

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

STATIONS.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force. 0-12	Weather.	Temp. °F.	% Humid.	Visibility 0-9	Cloud. Form. Low.	Form. Med.	Form. High.	Amount. Low. 0-10	Amount. Total 0-10	Height of Base (feet)	State of Ground. 0-9	Sea. 0-9
	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
Lerwick	1012.3	+6	-	0	bc	41	85	8	4	7	-	2-3	4-6	1500	1	*
Stornoway	1012.6	-12	S	2	id$_o$	44	98	7	3	-	-	10	10	4000	1	1
Wick	1014.6	-4	WNW	2	c	39	85	8	5	4	-	4-6	7-8	4000	0	2
Tiree	1013.7	-18	SSE	5	rr	45	95	6	6	2	-	9+	10	800	1	3
Nairn	1014.9	*	-	0	c	37	85	8	5	8	-	4-6	7-8	2500	0	*
Aberdeen	1016.2	0	SW	2	b	35	85	8	-	3	-	0	1	-	1	0
Malin Head	1013.7	-8	S	3	o	48	95	7	5	-	-	10	10	800	0	2
Renfrew	1017.9	-2	-	0	ir$_o$	35	95	4	5	-	-	10	10	1500	1	*
Inchkeith (Edin.)	1016.7	-8	WSW	2	3	41	85	6	5	2	-	4-6	9+	1500	0	0
Leuchars	1016.7	0	S	1	c	35	95	8	5	7	-	4-6	9	2500	1	*
Eskdalemuir	1019.0	0	-	0	c	29	95	8	5	-	-	7-8	7-8	4000	1	*
Tynemouth	1017.5	0	NW	2	bc	39	85	6	2	6	-	2-3	4-6	2500	0	2
Blacksod Point	1016.3	-8	S	2	o	52	95	8	5	-	-	10	10	<150	1	3
Aldergrove	1016.5	-8	SSE	1	c	43	95	6	6	2	-	7-8	10	1500	1	*
Donaghadee	1016.3	-6	W	1	c	45	95	7	5	-	-	9	9	1500	1	0
Birr Castle	1017.3	0	SW	1	c	51	95	7	5	-	-	9+	9+	2500	1	*
Holyhead	1016.9	-10	SSE	4	dd	48	95	5	6	-	-	10	10	450	1	1
Liverpool (Bidston)	1018.5	-4	SE'E	2	m	43	85	5	5	-	-	10	10	800	0	*
Chester (Sealand)	1018.8	-4	SE'S	1	d$_o$d$_o$	39	95	4	5	-	-	10	10	1500	2	*
Harrogate	1019.0	0	SW	1	c	39	85	9	-	2	-	0	9+	-	1	*
Spurn Head	1018.0	+2	NW	3	c	42	95	5	5	3	-	7-8	9	800	0	3
Birmingham	1020.2	0	SW	3	ir$_o$	39	95	6	6	2	-	4-6	9	4000	21	*
Cranwell	1019.8	+2	SW'W	3	c	36	95	6	-	7	4	0	7-8	-	0	*
Gorleston	1019.3	+10	W	2	m	33	85	4	-	8	-	0	4-6	-	0	1
Valentia Obs.+	1019.0	-10	SSW	1	i d o	53	95	6	5	-	-	10	10	220	1	3
Roches Point	1020.3	-4	W	2	c	45	95	7	5	-	-	9	9	1500	1	2
Pembroke	1017.9	-4	WSW	3	rr	53	95	5	3	2	-	4-6	10	800	1	2
Ross-on-Wye	1020.2	0	SW	1	df	38	95	3	5	-	-	10	10	800	1	*
Leafield	1020.2	0	SW'W	2	c	37	85	8	5	3	1	4-6	7-8	5700	0	*
Cardington	1020.4	+2	WSW	2	c	33	95	6	5	-	4	4-6	7-8	5700	0	*
Winchester	1022.0	0	-	0	c	27	95	6	-	7	9	0	7-8	-	0	*
S. Farnborough	1021.2	+2	-	0	m	29	95	4	-	3	1	0	2-3	-	1	*
London (Kew)	1021.4	+4	SSW	1	c	32	95	5	-	5	1	0	7-8	-	1	*
Croydon	1021.3	+6	SW'W	2	3	32	95	6	-	3	1	0	4-6	-	1	*
Manston	1020.5	+8	W	2	m	37	95	4	-	-	1	0	2-3	-	0	*
Shoeburyness	1021.0	+6	W	2	bc	39	95	5	-	5	8	0	2-3	-	0	*
Clacton-on-Sea	1020.0	+10	NW	3	bc	34	95	6	1	4	-	2-3	4-6	1500	0	0
Felixstowe	1020.5	+4	NW'W	2	c	37	95	6	-	-	2	0	7-8	-	0	2
Scilly (St. Mary's)	1021.6	+6	NW	4	c	53	95	7	8	6	-	4-6	7-8	4000	1	3
Falmouth	1020.9	-6	WNW	2	c	51	95	7	5	-	-	7-8	7-8	4000	1	0
Plymouth	1020.4	-4	E	2	d$_o$d$_o$	47	95	4	5	-	-	10	10	220	1	2
Portland Bill	1020.5	-6	SSW	2	c	50	95	8	5	-	-	9	9	1500	0	2
Calshot, S'hampton	1021.0	0	N	1	m	35	95	4	-	5	1	0	4-6	-	0	0
Dungeness	•	•	NW	3	3	•	•	5	-	1	•	0	2-3	-	•	1
Lympne	1020.4	+4	NW	3	bc	34	95	5	-	6	2	0	2-3	-	0	•
Guernsey	1021.5	0	-	0	0	49	85	8	5	-	-	10	10	2500	0	3

PAST 24 HOURS.

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 26th Hrs.
	(31)	(32)	(33)	(34)	(35)	(36)
Lerwick	46	41	*	2	3	1.6
Stornoway	48	39	*	4	0.1	3.9
Wick	47	36	*	1	-	*
Tiree	49	36	27	0.1	4	4.0
Nairn	44	37	*	-	-	4.5
Aberdeen	48	34	26	0.6	-	7.5
Malin Head	49	40	*	0.2	-	1.6
Renfrew	51	29	22	-	Tr.	8.0
Inchkeith (Edin.)	50	38	36	-	-	7.5
Leuchars	49	32	25	-	-	8.2
Eskdalemuir	48	25	17	-	-	7.7
Tynemouth	48	37	33	-	-	*
Blacksod Point	49	45	*	2	1	*
Aldergrove	47	35	26	Tr.	0.1	1.3
Donaghadee	49	36	*	0.3	Tr.	*
Birr Castle	49	44	44	0.2	3	0.4
Holyhead	50	44	37	-	1	2.7
Liverpool (Bidston)	48	42	42	1	Tr.	4.5
Chester (Sealand)	49	36	31	1	Tr.	4.5
Harrogate	48	37	28	-	-	8.2
Spurn Head	48	40	*	-	-	8.3
Birmingham	48	37	30	1	Tr.	4.9
Cranwell	48	33	29	-	-	8.1
Gorleston	50	33	32	-	-	8.7
Valentia Obs.+	54	52	50	0.4	1	0.6
Roches Point	51	45	*	1	*	*
Pembroke	51	47	*	-	1	3.1
Ross-on-Wye	51	32	24	Tr.	0.1	3.7
Leafield	48	34	23	-	-	7.4
Cardington	50	30	25	-	-	8.3
Winchester	50	26	21	-	-	7.4
S. Farnborough	51	28	18	-	-	7.7
London (Kew)	50	32	23	-	-	7.1
Croydon	49	32	23	-	-	7.4
Manston	49	35	30	-	-	8.7
Shoeburyness	51	33	26	-	-	8.6
Clacton-on-Sea	49	35	30	-	-	8.9
Felixstowe	49	36	31	-	-	9.3
Scilly (St. Mary's)	55	49	*	Tr.	3	3.9
Falmouth	53	47	*	-	3	5.0
Plymouth	52	46	45	0.2	0.6	4.1
Portland Bill	53	44	*	0.3	-	*
Calshot, S'hampton	52	33	26	-	-	7.7
Dungeness	45	30	*	-	-	*
Lympne	48	33	29	-	-	8.3
Guernsey	53	48	40	-	-	7.1

LONDON OBSERVATIONS.

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
										Yesterday.		To-day.	
Kew	18	bc 3$_o$	bc b m$_o$	x c m$_o$ x	50	32	23	-	-	7.1	•	•	4
Croydon	244	b c w c 3$_o$	c b c y b m	b m w b x m$_o$	49	32	23	-	-	7.4	•	•	5
Greenwich (Royal Observatory)	149	bc	c b y	b x c m	51	30	20	-	Tr.	6.0	55	83	4
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	6.6	•	•	•
Westminster (St. James' Park)	27	•	•	•	51	38	29	-	-	6.5	59	90	•
Regents Pk. (Botanic Gardens)	168	•	•	•	•	•	•	•	•	7.2	•	•	•
Camden Square	110	bc	b c b	•	52	35	27	-	-	•	•	91	•
Kensington Palace	80	bc	bc	•	51	33	24	-	-	•	At 18h. 79	90	•
Hampstead Observatory	450	bc	bm	•	50	30$_o$	23	-	0.3	8.5	•	91	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
1.0	19h 26th	0.3	1h-6h 27th

Kew Observatory. Max.	Time.	Min.	Time.
0.4	21h 26th	0.1	11h 26th

FOREIGN OBSERVATIONS.

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

STATIONS.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1017.8	WNW	2	bc	45
Brussels	1014.6	NW	2	bc	41
Berlin	1000.6	N	1	3	45
Zurich					
Rome					

7h. G.M.T. 27th October

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1022.7	W	1	bc	39
1019.2	W'S	2	m	36
1003.9	NW	3	c	45
1018.0	NNW	1	c	39

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
52	39	0.5	-
46	36	3	0.3
45	41	2	2
	39		3

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T station.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 28th October 1930.

No. 25177

OBSERVATIONS at 13h. G.M.T. 27th October

STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	°F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base (feet) (14)
Lerwick	1012.1	-10	SW	2	c	46	55	87	5	4	8	2.3	7.8	1500
Stornoway	1007.9	-14	S	5	d c	48	95	78	6	-	-	10	10	4000
Wick	1012.1	-10	S	4	d c	47	78	85	6	7	6	4.6	9	4000
Tiree	1011.1	-14	SW'S	4	d d₀	52	95	85	5	2	-	4.6	10	450
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1013.9	-18	S	3	c	47	65	76	2	3	-	Tr.	7.8	2500
Malin Head	1013.2	-4	SW	3	id₀	52	95	86	5	1	-	9	10	800
Renfrew	1015.2	-16	SSE	1	ir₀	45	85	87	5	-	-	10	10	1500
Inchkeith (Edin.)	1015.1	-8	W	1	•	45	85	87	5	2	-	2.3	10	1500
Leuchars	1014.7	-16	SSW	2	ir₀	45	75	87	5	-	-	10	10	4000
Eskdalemuir	1016.0	-12	S	2	o	41	85	86	5	-	-	10	10	4000
Tynemouth	1016.0	-10	W	2	c	49	55	86	4	-	-	7.8	7.8	4000
Blacksod Point	1014.5	-6	SSW	3	d d	54	95	76	6	-	-	10	10	<150
Aldergrove	1015.9	-10	S'W	2	d d	48	95	76	6	2	-	9	10	800
Donaghadee	1014.7	-6	SW	1	c	51	95	77	5	-	-	7.8	7.8	1500
Birr Castle	1016.6	-2	W	2	c	56	85	80	6	1	8	7.8	9+	2500
Holyhead	1015.6	-8	W	4	d d	53	95	86	5	-	-	9+	9+	1500
Liverpool (Bidston)	1016.2	-8	ESE	3	o	47	95	86	5	-	-	10	10	1500
Chester (Sealand)	1017.1	-10	SSE	3	c	47	95	86	5	-	-	10	10	2500
Harrogate	1017.0	-10	SSW	1	c	47	75	86	5	2	-	2.3	10	2500
Spurn Head	1017.1	-2	W'N	2	bc	50	75	86	5	3	9	2.3	4.6	2500
Birmingham	1017.8	-16	SW	2	d₀ d₀	44	95	84	6	1	-	9	9	2500
Cranwell	1018.9	-14	SW'W	3	d₀ c	48	75	86	5	1	9	4.6	9+	2500
Gorleston	1018.6	-6	W	2	bc	46	85	86	5	1	-	0	2.3	-
Valentia Obs.	1018.1	-6	SW'W	3	c	56	95	87	5	-	-	10	10	450
Roches Point	1018.0	-10	W	2	c	56	95	87	3	-	-	7.8	7.8	1500
Pembroke	1017.7	-6	W	3	c	55	85	87	3	1	2	2.3	9+	1500
Ross-on-Wye	1017.5	-14	SW	2	m	46	95	74	5	-	-	10	10	450
Leafield	1018.1	-14	SW	3	d d	43	95	86	5	1	-	10	10	<150
Cardington	1018.6	-16	SW	2	c	47	75	87	5	7	-	4.6	10	5700
Winchester	1019.3	-20	S	3	r₀ r₀	46	95	85	5	-	-	10	10	800
S. Farnborough	1019.2	-14	SSW	3	r₀ r₀	47	85	87	6	2	-	9	10	4000
London (Kew)	1019.8	-22	SW	2	c	48	75	86	-	2	-	0	10	-
Croydon	1019.6	-12	SW	2	3₀	47	65	86	-	2	-	0	10	-
Manston	1019.7	-10	W	3	c	50	65	86	3	7	-	1	9+	5700
Shoeburyness	1019.5	-10	WSW	2	c	49	75	85	-	9	8	0	10	-
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1019.5	-10	W'N	2	bc	48	75	87	-	3	9	0	4.6	-
Scilly (St. Mary's)	1021.0	-4	NW'W	4	f d	55	95	72	-	-	-	10	10	<150
Falmouth	1020.7	-6	W'N	2	d	57	85	88	2	3	2	9.3	7.8	4000
Plymouth	1019.5	-10	W	3	c	55	95	86	6	-	1	9+	9+	1500
Portland Bill	1018.3	-20	SSW	4	~~PH(R)~~ 57	54	95	86	5	-	-	10	10	800
Calshot, S'hampton	1019.8	-14	SSW	4	d d₀	49	95	86	5	2	-	4.6	10	1500
Dungeness	•	•	W	2	bc	•	•	6	-	3	•	0	4.6	-
Lympne	1019.7	-14	WSW	2	3₀	48	65	86	-	7	-	0	9	-
Guernsey	1019.8	-12	SSW	1	o/d	54	95	85	5	-	-	10	10	1500

OBSERVATIONS at 18h. G.M.T. 27th October

STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	°F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
Lerwick	1008.8	-20	S'E	2	bc	46	75	77	4	7	-	4.6	4.6	1500	0	•
Stornoway	1005.4	-4	SW	2	c	51	95	78	5	-	-	9	9	4000	1	2
Wick	1007.8	-24	S	5	ir	46	95	86	5	2	-	9	10	1500	1	3
Tiree	1009.7	-8	SW'W	4	id	51	95	86	5	2	-	9	10	800	1	3
Nairn	1006.9	-	-	0	d/r	47	95	86	3	-	-	7.8	7.8	1500	1	•
Aberdeen	1011.3	-20	SSW	3	d d₀	43	85	87	6	-	-	10	10	2500	1	1
Malin Head	1011.3	-8	SW	2	bc	50	95	87	5	-	-	2.3	2.3	800	0	2
Renfrew	1013.2	-10	ENE	1	d f	44	95	87	5	-	-	10	10	1500	0	1
Inchkeith (Edin.)	1012.8	-12	WSW	1	r₀ r₀	46	95	87	6	-	-	10	10	800	1	•
Leuchars	1012.7	-12	SW	1	ir₀	44	95	86	6	2	-	9	10	1500	1	•
Eskdalemuir	1014.7	-4	-	0	o/d	40	95	84	5	-	-	10	10	450	1	•
Tynemouth	1014.6	-4	S	1	o	47	75	86	5	-	-	10	10	800	0	2
Blacksod Point	1013.0	-8	SSW	3	d d	53	95	86	5	-	-	10	10	<150	1	3
Aldergrove	1013.4	-6	S	2	c	52	95	87	5	-	-	4.6	9+	2500	1	•
Donaghadee	1013.1	-4	SW	1	c	51	95	87	5	-	-	9	9	800	1	0
Birr Castle	1015.0	-4	SW	2	id	54	95	86	6	-	-	9+	9+	2500	1	•
Holyhead	1014.7	-6	SW'W	2	d/d	52	95	85	5	-	2	7.8	7.8	1500	1	0
Liverpool (Bidston)	1014.9	-6	SW'W	2	d/r	49	95	85	5	-	-	9+	9+	1500	1	•
Chester (Sealand)	1015.7	-6	SSE	1	o m	48	95	85	4	-	-	10	10	1500	2	•
Harrogate	1015.7	-6	-	0	m	46	95	85	4	-	-	10	10	<150	1	•
Spurn Head	1015.5	-2	SW	2	o	47	95	85	5	-	-	10	10	1500	0	3
Birmingham	1016.4	-6	SW	2	th o	45	95	82	5	-	-	10	10	<150	0	•
Cranwell	1016.0	-8	SW'W	2	o	46	95	86	6	-	-	10	10	1500	0	•
Gorleston	1017.2	-6	WSW	1-2	C	43	85	86	5	2	-	4.6	10	2500	0	1
Valentia Obs.	1016.9	-4	SW'W	2	o/d	54	95	85	5	-	-	10	10	220	1	2
Roches Point	1016.4	-8	W	2	c	53	95	87	3	-	2	4.6	7.8	2500	1	2
Pembroke	1016.2	-6	W	3	o	53	95	87	5	-	-	10	10	450	1	2
Ross-on-Wye	1016.0	-6	SW	2	3₀ r₀	49	95	82	5	7	2	0	7.8	-	1	•
Leafield	1016.2	-10	SW	2	d d₀	45	95	82	5	-	-	10	10	<150	1	•
Cardington	1016.6	-10	SSW	2	d d₀	45	95	85	5	-	-	10	10	800	1	•
Winchester	1017.1	0	W	1	d d₀	49	95	86	5	-	-	10	10	450	1	•
S. Farnborough	1016.6	-12	WSW	1	r₀ r₀	48	95	84	6	-	-	10	10	450	1	•
London (Kew)	1017.1	-20	-	0	d d₀	45	95	85	6	-	-	10	10	1500	1	•
Croydon	1017.1	-14	SW'S	1	o/d	46	95	85	5	-	-	10	10	450	1	•
Manston	1017.5	-10	SW	2	d d₀	46	85	86	5	-	-	10	10	2500	0	•
Shoeburyness	1017.3	-10	SW	3	d d₀	45	95	85	5	-	-	10	10	2500	1	•
Clacton-on-Sea	1017.3	-14	SW	3	o	48	75	86	5	-	-	10	10	450	0	2
Felixstowe	1017.8	-2	WSW	2	3₀	47	75	86	5	-	-	10	10	2500	0	1
Scilly (St. Mary's)	1019.5	-4	W'N	4	id	54	95	86	6	-	-	10	10	2500	1	3
Falmouth	1019.3	-6	W'N	2	c	55	~~85~~ 95	87	6	2	-	7.8	10	2500	1	1
Plymouth	1018.1	-8	W	2	ir₀	54	95	86	6	-	-	9+	9+	800	1	1
Portland Bill	1017.0	-8	W'N	4	c	56	95	88	4	5	-5	46	7.8	2500	0	3
Calshot, S'hampton	1017.4	-6	WSW	2	id₀	52	95	85	5	2	-	7.8	9+	800	1	0
Dungeness	•	•	W	2	c	•	•	6	5	2	•	4.6	10	2500	•	1
Lympne	1017.5	-10	W	2	d d₀	45	95	85	5	-	-	10	10	800	1	•
Guernsey	1019.1	-6	WNW	2	o/d	54	85	85	5	-	-	10	10	2500	1	1

PAST 24 HOURS.

STATIONS. (For heights see p. 4.)	Weather. 7h.–13h. 27th (37)	13h.–18h. 27th (38)	18h. 27th to 1h. 28th (39)	1h.–7h. 28th (40)
Lerwick	bccy	cbc	orr r₀	or₀ r₀ m₀
Stornoway	odd R	0	bccjp	cd
Wick	c	cir	circ	c
Tiree	crrid m₀	cdd	cid₀ bcc	i D, c
Nairn	cr₀ r₀	r₀ r₀ c	c	cq
Aberdeen	bfbmbcc	cir₀	circ	c
Malin Head	ocm d₀	od m cbc	bbccd m₀	od m₀
Renfrew	cfcr₀	r₀ofdfd	ofdc	c, ir₀
Inchkeith (Edin.)	cm₀	co ir₀	oir₀ cbc	bcc
Leuchars	cx cr₀	cir₀	cir₀ c m₀	c m₀ c
Eskdalemuir	cxcd c	cid₀ cm	om od₀ f	odf
Tynemouth	bccm	co m₀	om₀ b	bbc m₀
Blacksod Point	dd	dd	dd	of
Aldergrove	cod d d	cr c	cd₀ or₀	or₀ m₀ od d m
Donaghadee	oid₀ c	c	c	c p₀ r
Birr Castle	corr c	cip d	cid₀	oid
Holyhead	d d₀ mid₀	c, p₀ r	c, p₀ r	c m₀
Liverpool (Bidston)	of dm₀	r f d₀ f	co	p r ov
Chester (Sealand)	d₀ r₀ om₀	rd₀ cm₀	cm₀	cm₀ d₀
Harrogate	c	c m	omm	cm bcf d₀
Spurn Head	cmc	bcco	p coz	omF
Birmingham	cd d₀ m	oid₀ f	p f m	omc
Cranwell	cm₀	om₀ o	om₀ f ε	of ε
Gorleston	bcm m₀	bccp r₀	com₀ m₀	om ff
Valentia Obs.	oid₀	oid r₀ f₀	oid r₀ r₀	or₀ r₀ id₀
Roches Point	cid₀ c	cp₀ c	cbcw	bccw
Pembroke	cr₀	co ip	oc	c
Ross-on-Wye	d f₀ f₀ id₀	om cm	cm bm	bcc
Leafield	ci₆ d₀	oir₀ ff₀	offc	c
Cardington	bccm₀ c	cod d m₀	od m bm	bc m of
Winchester	bcm x d a r r m	o f f₀ m d d₀	od d m om	om d₀ cm₀
S. Farnborough	bcm x c f c r₀	cr₀ o r m	om r f d m	om c m₀
London (Kew)	cm o 3₀	od d m₀	od₀ f	om c m₀
Croydon	bccm₀	com d d m₀	om f f ε	off cm
Manston	bcm cm₀	cm₀ d d₀	od d r₀ om	off
Shoeburyness	bcm₀ cm₀	od d₀ m₀	ofε	ofε fε
Clacton-on-Sea	bc 3	bc 3 o 9	o g m d	o g m
Felixstowe	bcm c 3₀	c 3₀ o 3₀	o j₀ d₀	o j₀ off
Scilly (St. Mary's)	cr f	o f i p	of d m c	cf
Falmouth	cb ε	b ε₀ o m r	oi d m₀	oi d₀
Plymouth	of d₀ d₀ c	cr₀ f₀ m₀	cor m d₀	od₀ m₀
Portland Bill	p₀ f D r m₀	d r C	o	cbc
Calshot, S'hampton	bc r c w i r d m	c d d m₀	com₀ d₀	cm₀ d₀
Dungeness	bc	o	*	f
Lympne	bccm₀	ci r o d d₀	odd m f om	om f
Guernsey	oid o	oi d o	oi r o d	o p r d 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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."

Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus,
R, heavy rain. r_0, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, solar halo. ☿, lunar halo.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"t r" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

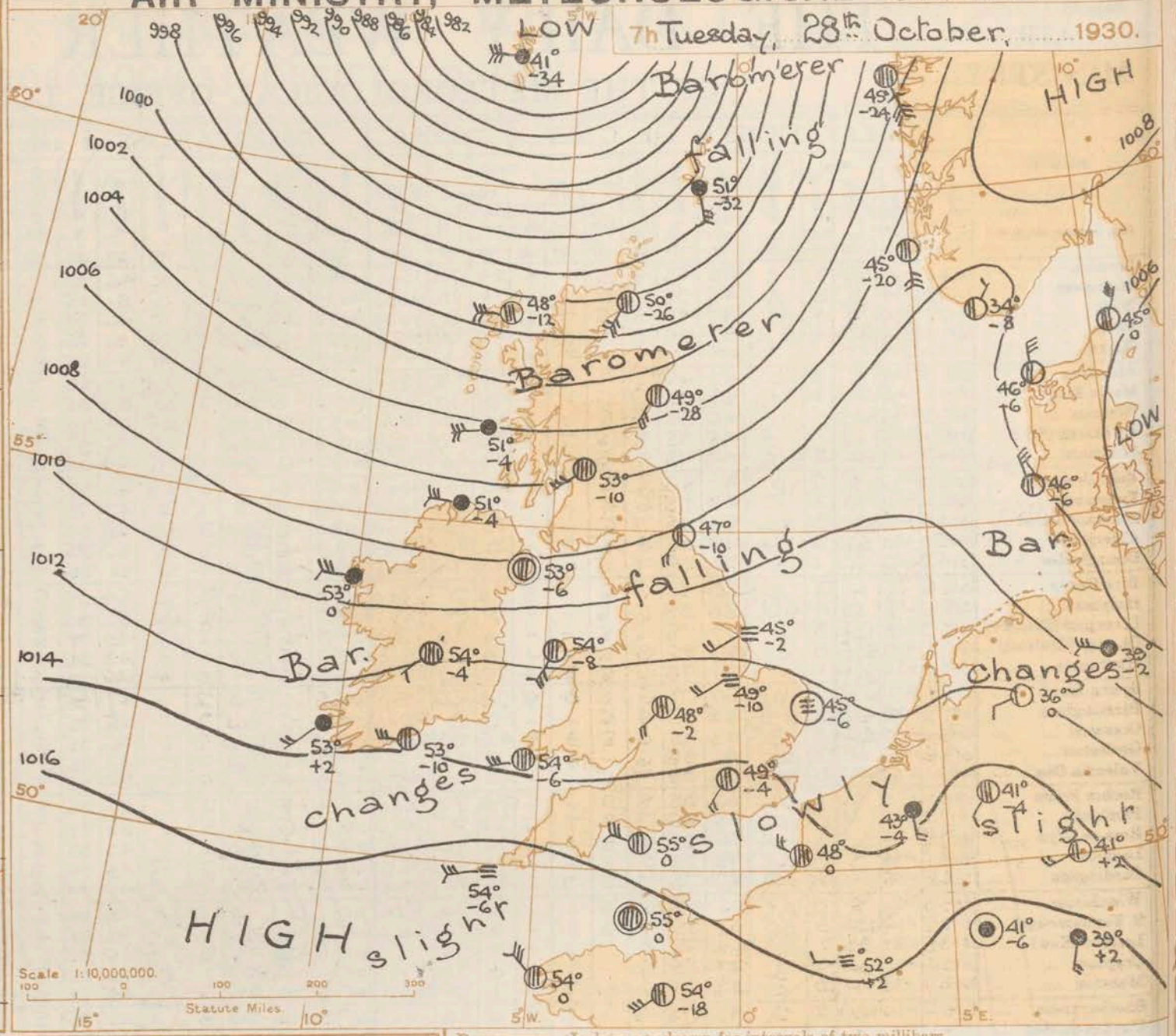
REPORTS from HEALTH RESORTS for 27th October 1930.

STATIONS	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. 9h. 26th to 9h. 27th	TEMPERATURE. Max. 9h.—17h. 27th	RAINFALL. Night 17h. 26th to 9h. 27th	RAINFALL. Day. 9h.—17h. 27th	SUNSHINE Sunrise to Sunset, 27th
Dunbar	c	or$_0$	37	49	-	Trace	1·1
Berwick-on-T.	c6c	cpi$_0$0	34	47	-	Trace	2·9
Douglas	om$_0$	d$_0$d$_0$c	38	51	1	3	0·0
Llandudno	c	doc	40	54	0·2	Trace	0·2
Colwyn Bay	o	o	41	55	Trace	-	0·1
Rhyl	cz$_0$	d$_0$c	37	53	-	Trace	0·0
Wallasey	fo	oir	41	50	-	1	0·2
Southport ‖	o	or	39	48	1	1	0·0
Blackpool	o	od	38	48	20	0·5	0·0
Morecambe	rdod$_0$	c	34	48	Trace	0·3	0·0
Ilkley	cd$_0$	dm	31	48	-	Trace	0·0
Cleethorpes	mc	com	35	52	-	-	3·1
Mablethorpe	cob$_0$cm$_0$	b$_0$c$_0$m$_0$	32	52	-	-	3·7
Skegness	6	6	31	50	-	-	2·8
Aberystwyth	c$_0$d$_0$r	c$_0$d$_0$r	44	54	2	3	0·0
Bath †	dmrr	m$_0$r$_0$c	31	52	Trace	3	0·0
Cheltenham †	wzo$_0$d	o$_0$d$_0$z$_0$	32	48	Trace	1	0·0
Leamington Spa	mod	dom	32	46	Trace	0·1	0·0
Lowestoft	6	6	32	50	-	-	7·5
Dovercourt	xoc	oc	35	47	-	-	0·0
Maldon	6cc	cor	32	49	-	Trace	0·6
Southend	6c$_0$c$_0$o	or$_0$d$_0$	35	50	Trace	Trace	2·2
Ilfracombe	dd	dd	46	56	0·4	3	0·0
Bude	oc	cod	~~46~~ 46	55	3	2	0·1
St. Ives	o	dd	48	57	-	0·3	0·0
Penzance	c	c$_0$d	49	59	2	0·5	0·5
Torquay	d$_0$p$_0$m$_0$o	o6c$_0$m	46	59	Trace	-	2·1
Jersey	pc	pc	48	56	0·3	1	0·0
Weymouth	m$_0$d$_0$r	d$_0$c6	37	56	-	3	0·7
Bournemouth	oror	oror	35	53	-	4	0·0
Ventnor	6ouf	orfc$_0$u	39	52	Trace	1	0·8
Southsea	cfo$_0$d	o$_0$m$_0$d	35	51	-	1	0·1
Bognor Regis	6c$_0$r	oir$_0$	34	51	-	0·5	0·8
Littlehampton	c	cod	35	51	-	0·5	1·1
Worthing	6c$_0$c$_0$o	or$_0$	35	50	Trace	0·5	1·1
Brighton	c	cor	36	51	-	1	1·2
Eastbourne †	co	o$_0$d$_0$d$_0$	36	51	-	0·1	1·9
Hastings †	6cc	o	35	50	-	-	~~1.2~~
Folkestone							
Dover	cmc	com	37	51	-	-	2·1
Deal	6cc	o	36	51	-	-	2·2
Tunbridge Wells	6co	od	31	48	-	0·3	1·5
Ramsgate	66c	6cc	36	50	-	-	1·6
Margate	6cm$_0$	6cc	39	48	-	-	0·8

†Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ 17h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Tuesday, 28th October, 1930.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 28th Oct. 1930.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Light or moderate westerly wind, backing and freshening later; cloudy, perhaps slight drizzle locally; mild.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Moderate west to southwest winds, freshening considerably tomorrow; cloudy, some drizzle at most places; local coast and hill fog; mild.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Moderate or fresh westerly winds; mainly cloudy, occasional rain; temperature falling slightly.
13. A. W. Scotld. ~~B. N.W. Scotland.~~	Westerly wind, fresh or strong locally, veering slightly and moderating; cloudy, occasional rain; bright intervals and showers later; colder.
14. Mid-Scotland 15. N.E. Scotland	
16. Orkneys and Shetlands.	Westerly wind, strong to a gale, veering somewhat and moderating later; showery; colder.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind west, backing southwest or south, moderate at first, freshening decidedly later; cloudy, occasional rain or drizzle; mild.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with the wind. Number of feathers indicate Beaufort force.
TEMPERATURE is given in degrees F. Calm, -
WEATHER SYMBOLS :—
Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 5/10 to 9/10 clouded. Overcast sky.
Rain falling. Snow. Hail. Fog. Mist. Thunder. Thunderstorm.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A deep depression over the Faroe Islands is moving eastward and another depression is approaching from off Newfoundland. Weather will continue unsettled though only local drizzle is expected in the South.

FURTHER OUTLOOK.

Unsettled and probably stormy.

TIME OF ISSUE OF GALE WARNING.

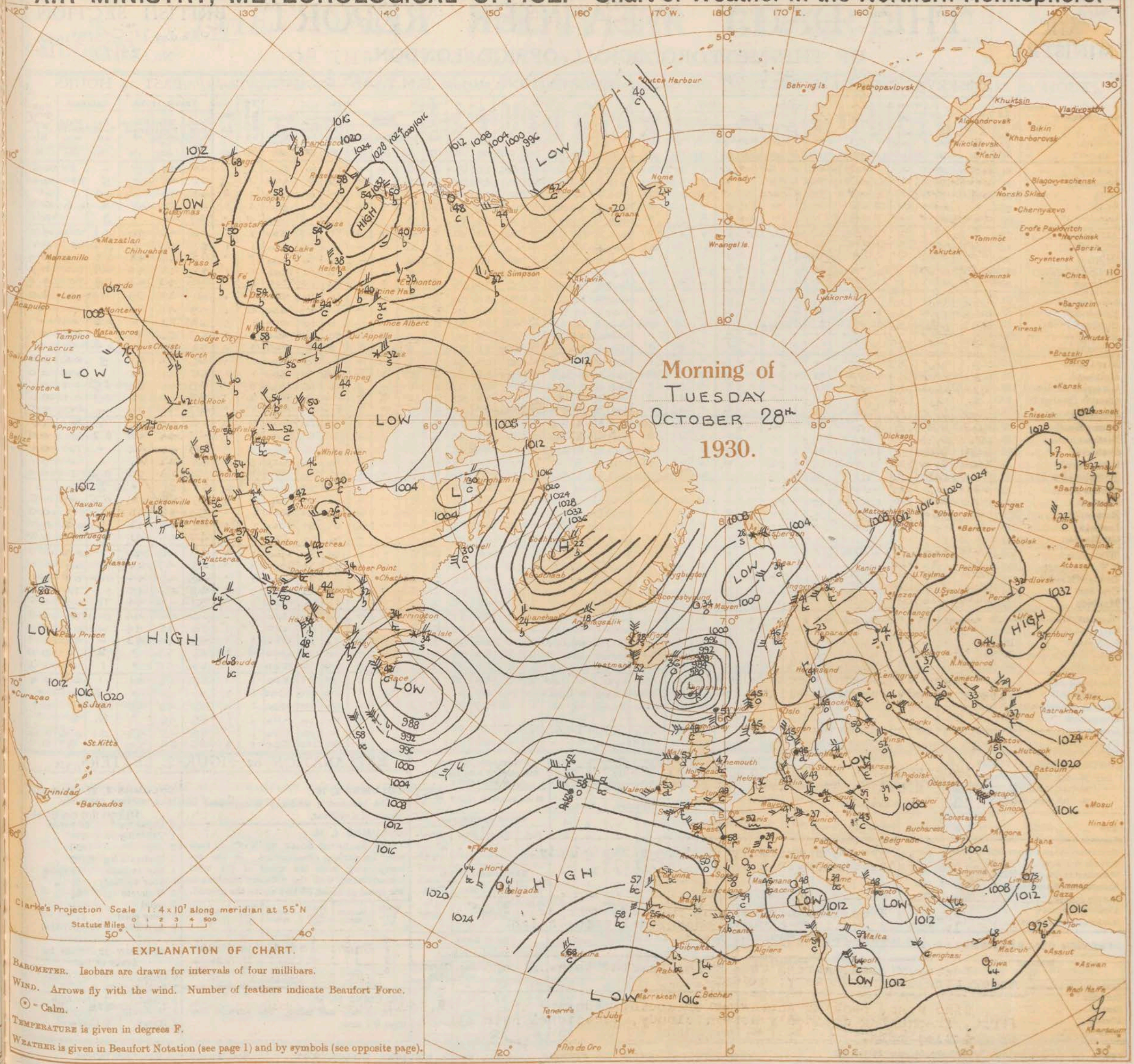
South Cone at 0820 on 28th in Orkneys and Shetlands.

Forecasts issued at 1000 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2. Pa.2495/2136. We.26. D.6026. Gp.308. 28210. 10/30.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 28th October 1930.

No. 25177.

OBSERVATIONS at 1 hr. G.M.T. 28th October

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)
Lerwick	54	1001.5	-24	S	4	r.	48	95	7	6	-	-	10	10	1500
Stornoway	34	1001.7	-16	SW	5	c jp	51	96	7	8	-	-	9	9	4000
Wick	81	1003.1	-14	SW	4	c	50	95	8	4	1	-	4-6	10	1500
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	51	1008.3	-12	SW	3	c/d	53	95	7	6	-	-	9+	9+	800
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	1009.8	-10	WSW	3	bc	49	95	8	5	-	-	2-3	2-3	1500
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	67	1011.8	-10	W	1	b	44	95	6	-	-	-	0	0	-
Blacksod Point	10	1010.2	-4	WSW	3	df	54	95	4	6	-	-	10	10	450
Aldergrove	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1013.1	-6	WSW	3	c	53	95	6	5	-	-	9	9	4000
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	29	1012.7	-6	W'S	2	d	46	95	5	5	-	-	10	10	800
Birmingham	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	1013.8	-6	WSW	3	f-	45	95	2	5	-	-	10	10	<150
Gorleston	14	1014.5	-8	W	1	o	43	95	5	5	-	-	10	10	1500
Valentia Obs.†	30	1014.5	-14	S'W	2	r	54	95	3	5	-	-	10	10	<150
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke	150	1014.9	-2	W	3	c	54	95	7	5	2	-	2-3	10	1500
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew)	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1015.3	-6	W'N	1	r	48	95	1	5	-	-	10	10	<150
Manston	135	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1015.5	+4	WNW	4	c	54	95	7	5	-	-	9	9	4000
Falmouth	200	1017.9	-10	WNW	3	d	54	95	7	6	2	-	4-6	10	2500
Plymouth	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	32	1015.3	-10	WNW	4	c	55	95	8	5	-	-	7-8	7-8	1500
Calshot, S'hampton	8	1015.4	-10	WNW	1	c	50	95	6	5	-	-	7-8	7-8	2500
Dungeness	20	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	347	1014.9	-8	NW	3	m	47	95	4	5	-	-	10	10	220
Guernsey	173	1017.2	-6	WNW	2	dr	55	95	7	6	-	-	10	10	2500

OBSERVATIONS at 7 hr. G.M.T. 28th October

Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	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)
Lerwick	994.6	-32	S	4	r.	51	95	6	6	-	-	10	10	800	1	*
Stornoway	998.8	-12	W	5	c	48	95	8	5	1	-	9	9	4000	1	3
Wick	998.2	-26	SW	5	c	50	95	8	8	1	8	4-6	9	1500	1	3
Tiree	1004.5	-4	WSW	5	id.	51	95	6	5	2	-	7-8	10	800	1	3
Nairn	999.6	•	WSW	3	c	53	85	8	3	-	-	7-8	7-8	1500	0	*
Aberdeen	1002.2	-28	SW	3	c	49	95	8	6	4	9	Tr.	7-8	1500	1	1
Malin Head	1006.5	-6	W	4	id.	52	95	5	6	-	-	10	10	450	1	1
Renfrew	1006.0	-10	SW	3	o/r	53	95	6	6	-	-	10	10	800	1	*
Inchkeith (Edin.)	1006.0	-24	SW	3	o.	52	95	8	5	-	-	10	10	1500	0	1
Leuchars	1004.8	-16	SSW	3	c	52	95	6	5	2	-	7-8	10	800	1	*
Eskdalemuir	1007.6	-20	SW'S	4	dd	50	95	3	5	-	-	10	10	450	1	*
Tynemouth	1009.2	-10	SW	2	bc	47	95	5	8	-	-	4-6	4-6	2500	0	1
Blacksod Point	1009.3	0	W	4	df	53	95	6	6	-	-	10	10	<150	1	3
Aldergrove	1008.6	-4	S'W	3	dd.	52	95	4	5	-	-	10	10	450	1	*
Donaghadee	1008.2	-6	-	0	c/pr	53	95	7	5	-	-	9	9	800	1	0
Birr Castle	1011.8	-4	SW	1	o	54	95	7	5	-	-	10	10	2500	1	*
Holyhead	1011.2	-8	SW'S	4	c/pr	54	95	6	5	2	-	4-6	9+	800	1	1
Liverpool (Bidston)	1011.0	-8	SSW	2	r.	52	95	9	5	-	-	10	10	2500	1	*
Chester (Sealand)	1012.4	-8	S	1	c	48	95	6	5	2	-	4-6	9	4000	2	*
Harrogate	1011.0	-10	S'E	3	id.	49	95	6	5	-	9	4-6	4-6	2500	1	*
Spurn Head	1011.3	-2	SW	2	F	45	95	1	5	-	-	10	10	<150	0	2
Birmingham	1013.6	-2	SW	2	c	48	95	6	5	-	-	9	9	5700	1	*
Cranwell	1012.4	-6	SW'W	2	of	46	95	3	5	-	-	10	10	1500	0	*
Gorleston	1012.7	-6	-	0	f	45	95	1	5	-	-	10	10	<150	0	0
Valentia Obs.†	1013.9	+2	SW	2	id.	53	95	6	5	-	-	10	10	220	1	2
Roches Point	1013.5	-10	W	3	c	53	95	7	3	-	9	4-6	7-8	1500	1	2
Pembroke	1013.4	-6	WSW	3	o	54	95	7	5	-	-	10	10	800	1	2
Ross-on-Wye	1013.5	-8	SW'S	1	c	50	95	8	5	-	-	9+	9+	4000	1	*
Leafield	1013.6	-6	WSW	2	c	47	95	6	5	-	-	9+	9+	4000	1	*
Cardington	1013.7	-4	WSW	2	f-	47	95	3	5	-	-	10	10	220	1	*
Winchester	1014.7	-6	W'S	2	c	49	95	6	5	-	-	9+	9+	5700	1	*
S. Farnborough	1014.1	-4	W'S	1	c	47	95	6	5	-	-	9+	9+	5700	1	*
London (Kew)	1014.4	-4	SW	2	c	49	95	5	5	-	-	9	9	4000	1	*
Croydon	1014.5	-6	W	2	f	49	95	5	5	-	-	10	10	450	1	*
Manston	1013.6	-2	SW	2	f	48	95	2	5	-	-	10	10	<150	1	*
Shoeburyness	1013.6	-10	NW	2	f	48	95	2	5	-	-	10	10	220	1	*
Clacton-on-Sea	1013.1	-10	WNW	3	o	46	95	5	5	-	-	10	10	220	1	1
Felixstowe	1013.6	-10	WNW	2	f	46	95	2	5	-	-	10	10	<150	1	1
Scilly (St. Mary's)	1016.9	-6	W'S	4	f	54	95	1	5	-	-	10	10	<150	0	3
Falmouth	1017.3	0	W'S	2	c	51	95	7	5	2	-	4-6	10	2500	1	1
Plymouth	1016.6	0	WNW	2	c	53	95	8	6	-	-	9+	9+	800	1	1
Portland Bill	1014.9	0	WNW	4	bc	55	95	7	4	4	-	4-6	4-6	2500	1	2
Calshot, S'hampton	1014.9	-6	W	1	o	50	95	6	5	-	-	10	10	2500	1	0
Dungeness	•	•	NW	1	f	•	•	1	5	-	•	10	10	<150	•	1
Lympne	1013.9	-2	WNW	2	f-	47	95	1	5	-	-	10	10	<150	1	1
Guernsey	1016.6	0	-	0	o	55	95	7	5	-	-	10	10	1500	1	3

PAST 24 HOURS.

Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 27th Hrs. (36)
Lerwick	46	45	*	-	3	4.6
Stornoway	52	48	*	5	1	0.0
Wick	47	44	*	04	1	*
Tiree	52	50	48	4	0.6	0.0
Nairn	47	46	*	3	-	0.1
Aberdeen	49	42	40	0.1	0.2	4.5
Malin Head	53	50	*	04	1	0.1
Renfrew	45	44	43	0.3	0.3	0.0
Inchkeith (Edin.)	46	45	44	0.4	0.2	0.3
Leuchars	46	43	42	0.3	Tr.	0.3
Eskdalemuir	41	39	39	Tr.	2	0.0
Tynemouth	49	42	37	-	-	•
Blacksod Point	585	52	*	0.5	+1	•
Aldergrove	52	50	47	1	0.5	0.1
Donaghadee	53	48	*	0.4	1	•
Birr Castle	56	52	51	3	0.5	0.6
Holyhead	55	51	45	1	0.4	0.0
Liverpool (Bidston)	49	49	50	0.5	0.2	0.1
Chester (Sealand)	48	42	38	0.3	0.1	0.0
Harrogate	47	43	36	-	Tr.	0.0
Spurn Head	50	44	*	Tr.	Tr.	3.5
Birmingham	45	44	42	0.2	-	0.0
Cranwell	49	44	44	-	Tr.	0.1
Gorleston	50	42	41	-	-	7.1
Valentia Obs.†	56	53	52	0.2	1	0.0
Roches Point	57	51	*	2	Tr.	•
Pembroke	56	52	*	0.5	-	1.5
Ross-on-Wye	50	45	35	1	-	0.0
Leafield	45	44	42	1	0.1	0.0
Cardington	48	44	41	Tr.	0.1	0.3
Winchester	49	46	42	1	0.2	0.0
S. Farnborough	48	47	402	1	0.1	0.1
London (Kew)	48	45	44	0.4	0.1	0.1
Croydon	48	46	45	0.1	Tr.	1.0
Manston	50	44	44	Tr.	0.3	1.5
Shoeburyness	50	44	44	0.1	Tr.	1.3
Clacton-on-Sea	50	45	44	-	0.5	2.0
Felixstowe	49	44	43	-	Tr.	1.1
Scilly (St. Mary's)	55	52	*	2	2	0.0
Falmouth	59	51	*	1	1	1.2
Plymouth	57	52	51	1	0.5	0.4
Portland Bill	57	54	*	0.6	-	*
Calshot, S'hampton	52	49	45	2	1	0.1
Dungeness	52	45	*	Tr.	2	*
Lympne	48	45	43	0.1	0.6	2.6
Guernsey	55	54	50	1	32	0.0

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon
9h—18h, Kensington.
9h—21h, other stations.

	Height above M.S.L. in feet.	Weather Morning. (24 hrs. ended 9h.)	Weather Afternoon. (24 hrs. ended 9h.)	Weather Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h.
Kew	18	cmo3o	odd0m5	od5fow5	48	45	44	0.4	0.1	0.1	•	•	4
Croydon	244	bccm5	comddm5	omffoffm	48	46	45	0.1	Tr.	1.0	•	•	5
Greenwich (Royal Observatory)	149	cm	cdom	cd5odfm	49	47	44	Tr.	0.3	0.6	78	92	4
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Park)	27	•	•	•	50	45	43	-	-	0.0	78	95	•
Regents Pk. (Botanic Gardens)	168	•	•	•	•	•	•	•	•	0.0	•	•	•
Camden Square	110	co	od	•	47	46	45	0.3	-	•	•	96	•
Kensington Palace	80	co	odr	•	48	46	45	0.3	0.1	•	At 18h. 94	97	•
Hampstead Observatory	450	bcofr	of of	•	46	44	42	0.5	Tr.	0.4	•	98	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 28th Oct.

South Kensington. Max.	Time.	Min.	Time.
1.3	10h 27th	0.3	4h-5h 28th

Kew Observatory. Max.	Time.	Min.	Time.
0.5	9h 27th	0.1	5h 28th

FOREIGN OBSERVATIONS.

18h. G.M.T. 27th October

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1020.5	W	1	d	50
Brussels	1018.3	W	2	bc	39
Berlin					
Zürich	1020.2	W	1	c	41
Rome	1011.5	NW	3	bc	46

7h. G.M.T. 28th October

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1015.4	W	1	m	52
Brussels	1013.5	S'E	2	df	43
Berlin	1002.4	NW	3	c/r	43
Zürich	1017.8	E	1	c	37
Rome	1014.6	NNE	2	bc	39

Past 24 Hours.

Stations.	Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
Paris	52	46	-	0.6
Brussels	52	37	0.1	0.5
Berlin		41		11
Zürich	50	37	0.1	-
Rome	61	30	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13-18	9	47-54
1	1-3	5	19-24	10	55-63
2	4-7	6	25-31	11	64-75
3	8-12	7	32-38	12	75
		8	39-46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at

0	Dense fog	55	yards.
1	Thick fog	220	,,
2	Fog	550	,,
3	Moderate fog	1,100	,,
4	Mist or haze	1¼	miles.
5	Poor visibility	2½	,,
6	Moderate ,,	6¼	,,
7	Good ,,	12½	,,
8	Very good ,,	31	,,
9	Excellent ,,	beyond 31m.	

COLUMN 30.—Code for State of Sea.

0	Calm.	5	Very rough.
1	Smooth.	6	High.
2	Slight.	7	Very high.
3	Moderate.	8	Precipitous.
4	Rough.	9	Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. Simpson, C.B., D.Sc., F.R.S., Director.

† 1 hr observations are from Valentia W/T station.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 29th October 1930.

No. 25178

OBSERVATIONS at 13h. G.M.T. 28th October

Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	°F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
Lerwick	991.8	-10	WSW	6	qp	50	65	7	3	8	-	4.6	7.8	1500
Stornoway	1001.7	+10	W	6	c	50	75	8	3	6	-	7.8	9	4000
Wick	9984	+6	W	5	c	50	75	8	3	2	-	7.8	10	1500
Tiree	1006.9	+16	W'N	5	c	50	75	7	5	7	-	9+	10	2500
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1001.5	+4	SW	2	c	54	85	7	2	4	9	2.3	7.8	2500
Malin Head	1006.4	+10	NW	4	c	52	85	7	5	8	-	7.8	7.8	1500
Renfrew	1006.2	+4	W	4	c/d	52	85	7	6	-	2	4.6	7.8	1500
Inchkeith (Edin.)	1004.3	-6	WSW	5	c	54	85	7	5	-	-	9+	9+	800
Leuchars	1003.9	-2	SW	4	c	56	85	8	5	4	-	2.3	9	1500
Eskdalemuir	1006.2	-4	WSW	4	id	52	95	6	6	-	-	10	10	800
Tynemouth	1007.2	-4	W	3	c	58	75	7	6	-	-	7.8	7.8	1500
Blacksod Point	1011.1	+6	NW	3	c	53	95	7	4	-	-	7.8	7.8	450
Aldergrove	1008.9	-2	SW	3	id.	54	95	8	5	-	-	10	10	450
Donaghadee	1008.8	+2	W	1	c	51	85	7	5	-	-	9	9	800
Birr Castle	1011.8	0	WNW	2	o	55	95	8	6	-	-	10	10	1500
Holyhead	1010.7	-2	WSW	4	c	56	95	8	5	-	-	9+	9+	2500
Liverpool (Bidston)	1010.0	-6	W'S	5	o/d	55	85	6	5	-	-	10	10	800
Chester (Scaland)	1011.1	-4	WSW	2	c/d	57	85	7	5	-	-	9	10	1500
Harrogate	1008.6	+6	SW	5	c	54	95	7	6	-	-	9+	9+	2500
Spurn Head	1009.1	-4	W	3	c	45	85	6	5	3	1	4.6	9	1500
Birmingham	1011.3	-10	WSW	3	c	55	95	6	6	3	-	4.6	4.6	2500
Cranwell	1010.4	-14	SW'S	4	c	56	85	6	5	3	-	7.8	9+	2500
Gorleston	1011.6	-8	SW'S	2	o	56	95	6	5	-	-	10	10	4000
Valentia Obs.	1013.6	-4	SW'S	3	o/drf	55	95	6	5	-	-	10	10	220
Roches Point	1012.7	-6	W	2	c	56	95	8	3	-	-	7.8	7.8	1500
Pembroke	1012.7	+2	W	4	c	59	95	8	5	-	-	10	10	800
Ross-on-Wye	1012.6	-10	SW'S	4	c	57	85	8	6	-	8	7.8	10	2600
Leafield	1012.3	-14	SW'S	4	c	55	85	8	6	-	-	9+	9+	1500
Cardington	1012.3	-10	SW'S	3	id.	57	75	7	5	7	-	7.8	10	4000
Winchester	1014.0	-10	SW	3	c	57	85	7	5	1	-	7.8	10	1500
S. Farnborough	1013.5	-8	WSW	2	c	55	75	8	5	3	-	4.6	9+	1500
London (Kew)	1013.4	-14	WSW	3	c	57	85	6	2	3	6	4.6	9	4000
Croydon	1013.4	-14	WSW	3	3o	60	75	6	8	7	6	4.6	9	4000
Manston	1013.0	-10	SW	3	c	58	75	8	5	1	-	9	9	5700
Shoeburyness	1013.0	-10	WSW	3	c	58	75	6	5	-	-	9+	9+	4000
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	1013.0	-10	SSW	2	3o	56	85	6	5	3	-	4.6	7.8	7200
Scilly (St. Mary's)	1016.8	0	W'N	4	3o	56	95	6	2	-	-	10	10	<150
Falmouth	1017.1	-6	WSW	3	o	56	95	6	5	-	-	10	10	1500
Plymouth	1015.3	-12	WSW	4	do	55	95	6	5	4	-	10	10	<150
Portland Bill	1014.6	-12	W'S	4	c	56	85	7	4	-	-	9+	9+	2500
Calshot, S'hampton	1014.4	-14	SW'S	3	c	55	85	8	6	4	-	4.6	9	5700
Dungeness	*	*	SW	2	c	*	*	6	5	7	*	7.8	7.8	2500
Lympne	1013.4	-10	SW	3	c	57	85	7	7	4	-	4.6	7.8	5700
Guernsey	1017.5	0	WSW	2	c	58	85	8	5	-	-	7.8	7.8	2500

OBSERVATIONS at 18h. G.M.T. 28th October

Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	°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)
Lerwick	9959	+40	NNW	5	c	47	75	7	9	7	-	4.6	7.8	1500	1	*
Stornoway	1005.5	+10	NW	2	c	46	85	8	5	7	-	4.6	7.8	4000	0	3
Wick	1002.2	+22	W	5	c	47	85	8	5	5	-	7.8	9	1500	0	2
Tiree	1008.5	+14	W'N	3	c	49	65	7	5	2	-	9	10	1500	0	*
Nairn	1005.5	*	W	1	c	47	85	8	5	5	-	7.8	7.8	2500	0	*
Aberdeen	1005.4	+20	SW	3	c	48	65	7	5	4	-	4.6	7.8	4000	1	1
Malin Head	1010.2	+8	NW	3	c	50	85	7	5	-	-	9+	9+	2500	0	2
Renfrew	1008.4	+16	SW	2	c	47	75	7	5	-	-	7.8	7.8	2500	0	*
Inchkeith (Edin.)	1007.3	+20	WSW	4	bc	45	75	8	5	4	-	0	4.6	-	0	2
Leuchars	1006.9	+30	W	3	bc	44	85	8	4	7	-	Tr.	4.6	2500	1	*
Eskdalemuir	1008.2	+14	NW	4	bc	46	75	7	5	-	-	4.6	4.6	1500	1	*
Tynemouth	1008.7	-16	W	1	c	54	85	7	6	-	-	7.8	7.8	1500	0	1
Blacksod Point	1012.3	+12	W	2	c	51	85	7	6	-	-	7.8	7.8	450	0	3
Aldergrove	1011.0	+14	NW	2	c	48	85	7	5	-	-	9	9	2500	1	*
Donaghadee	1010.0	+6	SW	1	id.	51	85	7	5	-	-	9	9	800	1	0
Birr Castle	1012.3	+4	NW	1	c/d	53	95	8	5	-	-	9+	9+	2500	1	*
Holyhead	1010.9	+6	W	4	id.	56	95	8	5	-	-	9	9+	1500	1	2
Liverpool (Bidston)	1010.3	0	W'S	4	id.	53	95	8	6	-	-	10	10	800	1	*
Chester (Scaland)	1011.3	+4	WNW	2	o	55	95	8	6	-	-	10	10	1500	2	*
Harrogate	1009.2	0	SW	3	id.	52	95	8	6	-	-	10	10	2500	1	*
Spurn Head	1008.3	-4	W	3	c	54	85	6	5	3	-	7.8	7.8	1500	0	2
Birmingham	1011.5	+2	WNW	2	o	55	85	6	5	-	-	10	10	2500	1	*
Cranwell	1010.1	+2	W	3	c	54	95	6	5	-	-	7.8	10	1500	1	*
Gorleston	1010.2	-6	SW	3	c	55	95	6	5	-	-	10	10	2500	1	*
Valentia Obs.	1014.7	+12	W'S	3	o	52	95	6	5	-	-	10	10	4150	1	2
Roches Point	1013.4	+6	W	2	c	55	95	8	3	-	-	7.8	7.8	2500	1	2
Pembroke	1012.3	0	WSW	3	c	56	95	8	5	-	-	10	10	4000	1	1
Ross-on-Wye	1011.8	0	SW	2	c	55	95	8	6	2	-	9	9+	2500	1	*
Leafield	1012.0	0	SW	3	c	53	95	7	6	-	-	9+	9+	1500	1	*
Cardington	1011.4	-4	WSW	4	o	55	95	7	5	-	-	10	10	1500	1	*
Winchester	1013.2	-2	WSW	2	old	55	95	7	5	-	-	10	10	450	1	*
S. Farnborough	1013.0	0	WSW	2	id.	55	95	6	6	-	-	10	10	1500	1	*
London (Kew)	1012.5	-6	SW	3	c	55	95	6	5	2	-	2.3	10	2500	1	*
Croydon	1012.7	-16	SW	3	c/d	55	85	6	5	2	-	7.8	10	1500	1	*
Manston	1012.3	-2	SW	3	id.	55	85	7	5	2	-	7.8	10	4000	0	*
Shoeburyness	1012.2	-4	WSW	3	c	55	85	6	5	-	-	9+	9+	2500	0	*
Clacton-on-Sea	1011.9	-6	W	4	id.	55	95	6	5	-	-	10	10	220	0	3
Felixstowe	1012.1	+2	W'S	3	dd	55	95	6	6	-	-	10	10	800	1	1
Scilly (St. Mary's)	1015.8	-2	W'N	4	df	55	95	6	-	-	-	10	10	<150	1	3
Falmouth	1016.3	-6	W'S	2	id.	56	95	6	5	2	-	7.8	10	1500	1	2
Plymouth	1015.0	+6	W	1	id.	56	95	6	5	-	-	9+	9+	220	1	1
Portland Bill	1013.6	+4	WSW	5	dd	57	85	7	4	-	-	9+	9+	1500	1	3
Calshot, S'hampton	1013.9	-6	W'S	3	c	56	95	7	5	2	-	7.8	9+	1500	1	1
Dungeness	*	*	SW	4	c	*	*	6	-	2	*	0	9+	-	*	3
Lympne	1012.8	-6	WSW	3	id.	53	95	6	5	-	-	10	10	2500	1	*
Guernsey	1016.8	0	WSW	1	Dr	57	95	5	6	-	-	10	10	1500	1	3

PAST 24 HOURS. WEATHER.

Stations.	7h.–13h. 28th (37)	13h.–18h. 28th (38)	18h. 28th to 1h. 29th (39)	1h.–7h. 29th (40)
Lerwick	or,c,cp,r	cp,r	bcpr,	bc
Stornoway	c	c	c	cor,
Wick	cprc	cprc	bcc	c
Tiree	dir	c	c	D
Nairn	cbcjp	bcqc	c	c
Aberdeen	cm,c	c	c	c
Malin Head	ad,m,c	c	c	crrm,
Renfrew	d,d,cid,	c	c	ccrm,
Inchkeith (Edin.)	oc	cbc	bcc	oc
Leuchars	cm,c	cbc	bcc	c
Eskdalemuir	odfod,	oidm,bc	bcc	ccid,c
Tynemouth	bcfff	c	cbc	coir,
Blacksod Point	df	c	id	dd
Aldergrove	cid,	cid,c	c	crrm,odd
Donaghadee	cp,rc	cid,	bcc	cir,
Birr Castle	o	ocid,	c	cr,c
Holyhead	rc	c,d,	c,id,	cm,c
Liverpool (Bidston)	id,Dd	odid,	d,ordo	d,ode
Chester (Scaland)	cd	co	om,ddr,	om,ir,
Harrogate	bccid,	coid,	id,	bcc
Spurn Head	Foc	bc	co	bc
Birmingham	bc	bcodc	cbc	bccir,
Cranwell	pfcspim, 2 off bcc	cm,d,	cmm,	cm,
Gorleston	oi,d,	cfm	cm,m,	cm,m,
Valentia Obs.			offmid,	oidir,
Roches Point	c	cp,c	cw	cow
Pembroke	oddif	oi,fc	oid,	oc
Ross-on-Wye	cbcc	cp,c	ccbbc	cc
Leafield	gfeir,	cr,d,m,c	co	cir,
Cardington	cbc		c	cd,c,m,
Shoeburyness	cm,c	cd,	cp,r,bc	bcm,cm,
Clacton-on-Sea	cm,bc	cod,Dm,ev	od,m,c	c
Felixstowe	cm,c3o	cp,cm,	cm,	cm,w
Scilly (St. Mary's)	om,c3o	cf,d,c	cm,	cr,d,m,
Falmouth	offcmc	cd,	cd,c	cm,
Plymouth	cm,c	cd,	cbcmo	cm,w
Portland Bill	cm,bc	cod,Dm,ev	od,m,c	c
Calshot, S'hampton	cm,c3o	cp,cm,	cm,	cm,w
Dungeness	om,c3o	cf,d,c	cm,	cr,d,m,
Lympne	offcmc	cd,	cd,c	cm,
Guernsey	ofc,m,	cm,d,m	od,m,c	cc,m,

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered).
c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds,
F, thick fog, „ less than 220 yds.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus,
R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, solar halo. ☾, lunar halo.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

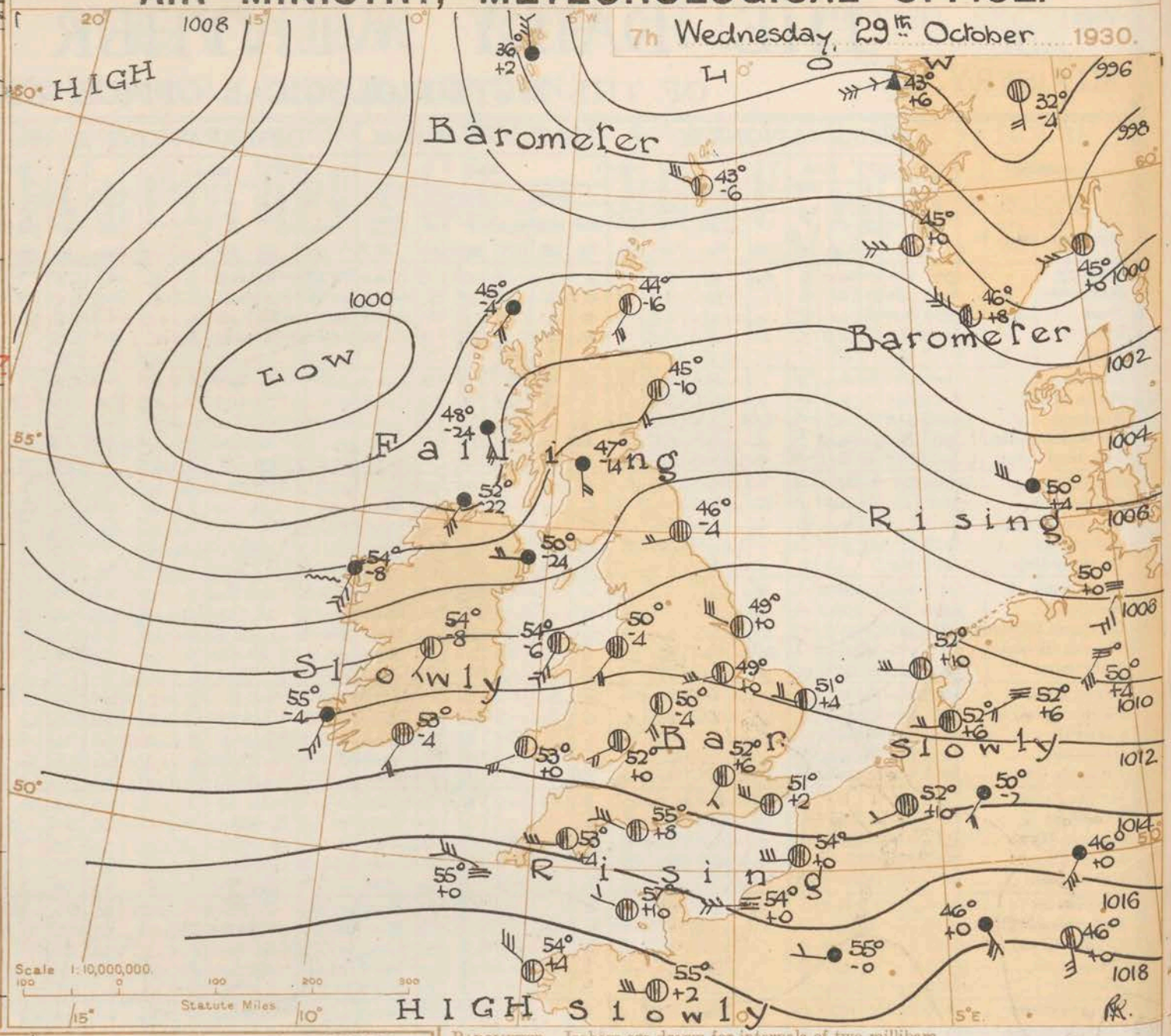
REPORTS from HEALTH RESORTS for 28th OCTOBER 1930.

STATIONS	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. 9h. 27th to 9h. 28th	TEMPERATURE. Max. 9h.—17h. 28th	RAINFALL. Night. 17h. 27th to 9h. 28th	RAINFALL. Day. 9h.—17h. 28th	SUNSHINE Sunrise to Sunset. 28th
Dunbar	c	bc	42	56	0·3	–	0·2
Berwick-on-T.	c	c	38	56	Trace	–	1·2
Douglas	oc	coidc	46	55	0·5	0·3	0·0
Llandudno	cid	cdo	48	55	0·1	0·1	0·0
Colwyn Bay	o	or	47	58	–	0·3	0·0
Rhyl	cdoc	cdo	44	56	0·1	Trace	0·0
Wallasey	do	od	43	55	0·5	1	0·0
Southport ‖	bdp	bdp	48	54	1	Trace	0·0
Blackpool	o	odo	42	54	2	0·1	0·0
Morecambe	mrpo	rdpc	39	53	1	0·5	0·0
Ilkley	cdo	orn	47	55	0·5	Trace	0·0
Cleethorpes	do	cmc	40	50	Trace	–	1·5
Mablethorpe	cwem.	cm.	41	57	–	–	0·8
Skegness	b	b	39	? ~~55~~	–	–	~~3·0~~ ?
Aberystwyth	omr	omrc	48	54	2	0·5	0·0
Bath †	cbcc	cid.	41	59	0·3	0·3	0·7
Cheltenham †	oz.c	cpoz	45	56	–	0·3	0·2
Leamington Spa	od	cod	42	57	1	Trace	0·4
Lowestoft	moc	cbcco	40	57	–	–	1·9
Dovercourt	foc	oc	41	54	–	–	0·0
Maldon	mc	cod	45	59	0·3	Trace	0·5
Southend	obcm	omdo	39	62	0·3	Trace	1·7
Ilfracombe	od	odo	49	57	1	1	0·0
Bude	oed.	oed.	52	56	1	2	0·0
St. Ives	d	c	51	58	2	1	0·9
Penzance	omo	or.dm	52	58	3	0·2	0·0
Torquay	crpcu	codpc.	50	58	0·6	Trace	1·5
Jersey	rbc	cd	50	59	4	Trace	2·7
Weymouth	cb	cdc	48	59	0·1	0·1	1·0
Bournemouth	oc	co	39	59	0·3	–	1·3
Ventnor	rcbcu	cucdm	51	59	0·3	0·3	1·8
Southsea	oc	com	41	59	0·2	–	0·8
Bognor Regis	bcir.	cir.	42	58	1	Trace	1·5
Littlehampton	bc	bcc	41	58	1	–	1·7
Worthing	oc	bcco	45	57	1	–	1·9
Brighton	cbc	bccdo	43	57	1	Trace	2·1
Eastbourne †	coc	cor.o	47	56	2	Trace	2·9
Hastings †	omcbc	bcco	47	58	1	–	2·4
Folkestone	omc	cbcco	45	59	1	–	3·0
Dover	mc	cbcmc	45	57	1	–	2·5
Deal	ocbc	bcc	43	59	1	–	2·6
Tunbridge Wells	obc	bccod	39	59	–	Trace	2·6
Ramsgate	cmbc	bc	44	60	0·6	–	1·9
Margate	bcm.	bcc	43	61	0·4	–	1·8

†Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ 17h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Wednesday, 29th October 1930.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 29th Oct. 1930.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Light or moderate westerly wind, freshening somewhat; cloudy, slight drizzle locally; mild.
5. S.W. England 6. South Wales	Moderate or fresh west to southwest wind; dull, some drizzle and local fog; mild.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind southwest to west, fresh or strong at times; cloudy, rain at times; mild at first; cooler later.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotld. / B. N.W. Scotland.	Wind southwest to west, veering northwest, fresh or strong at times, moderating later; cloudy, rain at times; some bright intervals later; mild, then colder.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Wind variable, light or moderate, finally northwest, fresh or strong locally; rain at first, bright intervals and wintry showers later; rather mild at first, colder later.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Westerly winds, fresh or strong at times, backing later; cloudy, some rain; mild.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with the wind. Number of feathers indicate Beaufort force.
TEMPERATURE is given in degrees F. Calm = ⊙
WEATHER SYMBOLS :—
○ Clear sky. ◔ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 6/10 to 9/10 clouded. ● Overcast sky.
● Rain falling. ✳ Snow. ▲ Hail. ≡ Fog. ≡° Mist. ⊤ Thunder. ⊼ Thunderstorm.
SEA DISTURBANCE. ~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A small depression off the Hebrides will move quickly eastward and deepen and further depressions will follow. Wind will be mainly westerly, strong locally in the North. Weather will be cloudy with some rain in the North and local drizzle in the South.

FURTHER OUTLOOK.

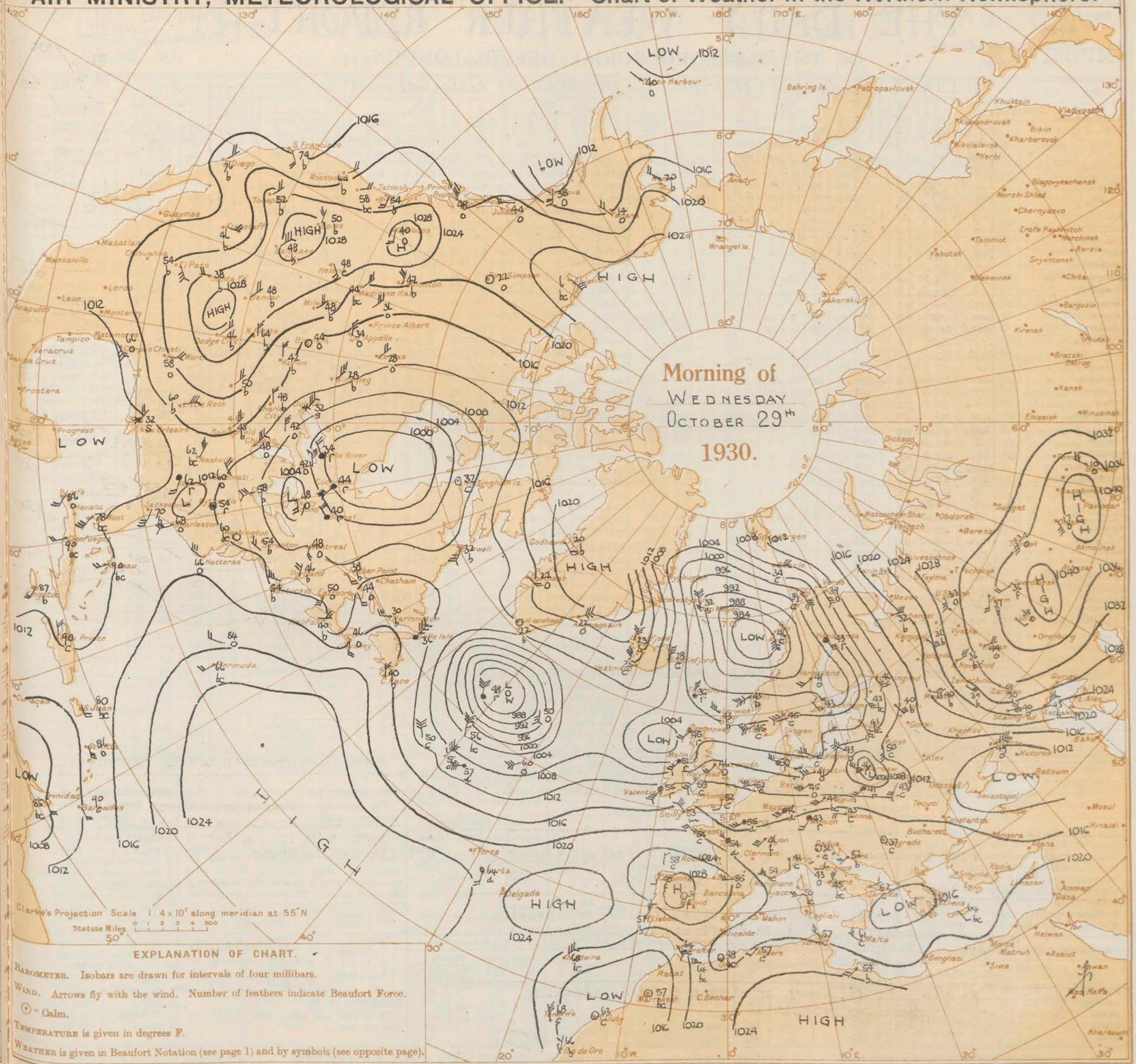
Unsettled.

Forecasts issued at 0945 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2. Pa 2485/2/36. Wt. 26. D.6026. Gp. 908. 28210. 10/30.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 29th October 1930.

No. 25178

OBSERVATIONS at 1 hr. G.M.T. 29th October

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)
Lerwick	54	999·5	+3	W'S	3	bc	45	75	8	5	–	–	4-6	4-6	1500
Stornoway ...	34	1007·7	-4	WSW	2	c	46	95	7	4	–	–	7-8	7-8	4000
Wick	81	1004·8	-4	SSW	3	c	44	85	8	5	2	–	7-8	10	2500
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head ...	51	1008·9	-8	SW	4	c	48	95	7	6	1	–	1	10	2500
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	1009·0	+6	W	3	o	47	85	6	5	–	–	10	10	800
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir ...	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth ...	67	1010·7	+4	W	2	c	45	85	7	6	–	–	7-8	7-8	1500
Blacksod Point ...	10	1009·8	-22	S	4	id	52	95	6	6	–	–	10	10	<150
Aldergrove ...	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee ...	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle ...	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead... ...	26	1011·9	+2	WNW	3	c/d	53	95	6	5	2	–	9	10	800
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate... ...	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head ...	29	1009·8	0	NW'W	3	o	52	95	6	5	–	–	10	10	800
Birmingham ...	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	1011·1	+4	W	2	c	52	95	6	5	–	–	9+	9+	1500
Gorleston	14	1010·4	0	N'N	2	c	55	85	6	5	–	–	10	10	1500
Valentia Obs.† ...	30	1015·0	-6	SW'W	2	cf-	52	95	3	3	–	–	10	10	1500
Roches Point ...	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke... ...	150	1013·6	+2	WNW	2	o	54	95	8	5	–	–	10	10	800
Ross-on-Wye ...	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington ...	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester ...	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew) ...	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1013·1	0	WSW	3	c	54	85	7	–	7	–	0	10	–
Manston	135	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness ...	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea ...	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe ...	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1016·9	+4	NW'W	4	c	53	95	7	5	–	–	7-8	7-8	2500
Falmouth... ...	200	1016·5	0	W	3	c	52	95	7	5	–	–	7-8	7-8	4000
Plymouth... ...	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill ...	32	1013·6	-2	W'S	4	o	56	95	7	5	–	–	10	10	1500
Calshot, S'hampton	8	1013·7	0	W	2	c	55	95	7	5	7	–	4-6	10	2500
Dungeness ...	20	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	347	1012·8	0	W'N	3	c	53	95	7	–	7	–	0	10	–
Guernsey	173	1015·1	-4	W	2	d	55	95	5	6	–	–	10	10	1500

OBSERVATIONS at 7 hr. G.M.T. 29th October

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	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)
999·0	-6	W'N	3	bc	43	75	8	8	6	–	2-3	4-6	1500	1	*
1002·5	-4	SW	2	r o r o	45	95	6	9	–	–	9+	9+	4000	1	1
1002·3	-16	SW	3	c	44	95	8	5	2	–	7-8	10	2500	0	2
1003·4	-24	SSE	3	Dr	48	95	6	6	–	–	10	10	800	1	2
1003·6	•	W	1	c	46	85	8	8	–	–	7-8	7-8	2500	0	*
1004·8	-10	SW	2	c	45	85	8	–	7	4	0	9+	–	1	0
1003·7	-22	SW	3	rr	52	95	6	6	1	–	7-8	10	1500	1	2
1006·9	-14	S	2	ir	47	95	6	6	2	–	7-8	10	1500	1	*
1006·8	-6	WSW	3	c	47	85	7	5	2	–	1	9+	1500	0	1
1006·3	-6	SW	3	c	45	85	7	5	2	–	4-6	9+	2500	1	*
1008·4	-10	S	2	c	42	95	7	5	3	–	4-6	9	450	1	*
1008·6	-4	WSW	2	o/r	46	85	6	6	–	–	10	10	1500	1	1
1006·9	-8	SSW	5	dd	54	95	6	6	–	–	10	10	<150	1	4
1006·6	-30	S	3	id o	51	95	6	5	–	–	10	10	450	1	*
1007·0	-24	W	2	ir o	50	95	7	5	–	–	9	9	800	1	1
1010·4	-8	SW	1	c	54	95	7	5	–	–	9	9	2500	1	*
1010·9	-6	SW	5	c	54	95	8	5	2	–	9	10	800	1	2
1010·9	-4	SW'W	2	o	50	95	8	5	–	–	10	10	2500	1	*
1011·5	-4	SE'S	1	c/pr	50	95	4	5	2	–	9	10	4000	2	*
1010·2	-6	SSW	1	c	47	85	7	6	7	–	4-6	9+	2500	1	*
1010·1	0	WNW	3	c	49	95	6	5	3	8	4-6	10	2500	0	1
1012·3	-4	SW	2	c/r	50	95	7	5	3	–	2-3	9	4000	1	*
1011·2	0	WSW	3	c	49	95	6	5	7	–	4-6	9+	4000	1	*
1011·2	+4	W'N	2	c	51	95	6	4	–	–	10	10	1500	0	1
1013·0	-4	SW'S	4	ir o	55	95	6	5	–	–	10	10	450	1	3
1013·8	-4	SW	2	o	53	95	7	5	–	–	10	10	800 450	1	2
1013·2	0	WSW	3	c	53	95	8	5	–	–	9+	9+	1500	1	1
1012·7	0	WSW	2	c	52	95	8	5	2	–	4-6	9+	2500	1	*
1012·8	+6	SW'W	3	c	50	95	6	6	87	–	1	9+	450	1	*
1012·4	+4	SW'W	3	c	49	95	6	5	7	–	7-8	9+	2500	1	*
1014·3	+2	–	0	c	48	95	6	5	–	2	7-8	9	1500	1	*
1013·8	+12	W'S	1	c	50	95	7	5	3	–	7-8	9+	2500	1	*
1013·5	+6	SW'S	1	c	52	95	5	–	3	–	0	9+	–	1	*
1013·6	+6	W'S	3	z	53	95	6	5	–	–	9+	9+	800	1	*
1012·5	+4	SW	3	z	52	95	6	5	–	–	9+	9+	5700	1	*
1012·6	0	W'N	2	c	51	95	5	5	–	–	9	9	5700	1	*
1012·3	+6	W	3	c	53	95	6	5	–	–	7-8	7-8	800	0	2
1012·3	+4	W'N	2	c	52	95	7	5	–	–	10	10	2500	1	2
1016·8	0	W'N	4	if	53	95	5	5	–	–	9+	9+	2500	1	2
1017·0	+2	WSW	2	c	52	95	7	5	2	–	7-8	10	2500	1	0
1015·9	+4	W	3	c	53	95	8	6	–	–	9+	9+	800	1	1
1014·5	+8	W'N	4	c	55	95	7	4	7	–	4-6	7-8	1500	1	3
1014·4	+6	W	2	c	53	95	7	5	5	–	7-8	9	1500	0	1
•	•	W	2	c	•	•	7	5	2	*	4-6	7-8	2500	*	0
1013·0	+2	WNW	3	c	51	95	5	5	–	–	9+	9+	1500	1	*
1016·7	+10	WNW	1	o	57	95	7	5	–	–	10	10	2500	1	2

PAST 24 HOURS.

Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 28th Hrs. (36)
Lerwick	52	42	*	1	2	1·4
Stornoway ...	51	43	*	0.1	0·5	1·5
Wick	52	42	*	0.2	–	*
Tiree	53	44	*	–	–	2·0
Nairn	56	43	40	–	–	0·1
Aberdeen	52	46	*	0.4	2	0·2
Malin Head ...	55	46	43	0.1	0·1	0·8
Renfrew	54	46	44	–	–	0·1
Inchkeith (Edin.)	56	42	39	–	–	0·2
Leuchars	52	40	37	1	0·3	0·0
Eskdalemuir ...	59	45	40	–	0·2	*
Tynemouth ...	54	48	*	0·5	2	*
Blacksod Point ...	53	48	37	0.1	4	0·0
Aldergrove ...	53	45	*	0.2	2	*
Donaghadee ...	55	51	49	Tr.	Tr.	0·0
Birr Castle ...	56	52	50	0.1	Tr.	0·0
Holyhead... ...	55	49	48	0.2	1	0·0
Liverpool (Bidston)	59	50	48	Tr.	1	0·2
Chester (Sealand)	54	45	40	0.1	Tr.	0·0
Harrogate... ...	56	48	*	–	–	0·7
Spurn Head ...	56	50	47	0.2	0·3	0·8
Birmingham ...	58	48	44	Tr.	–	0·4
Cranwell	57	50	48	–	–	1·9
Gorleston	55	51	51	0.2	2	0·0
Valentia Obs.† ...	57	52	*	0.1	Tr.	*
Roches Point ...	58	52	*	0·4	0·1	0·0
Pembroke... ...	59	50	43	0.1	–	1·6
Ross-on-Wye ...	55	49	47	0.2	0·1	0·1
Leafield	59	49	47	0.1	0·1	0·5
Cardington ...	57	48	41	Tr.	0·1	0·3
Winchester ...	59	50	42	0.1	Tr.	1·2
S. Farnborough ...	58	58	49	0.2	–	1·5
London (Kew) ...	60	52	49	0.3	0·4	2·1
Croydon	56	52	51	Tr.	Tr.	1·7
Manston	57	53	53	0.1	Tr.	0·0
Shoeburyness ...	57	51	49	Tr.	Tr.	1·7
Clacton-on-Sea ...	56	52	51	Tr.	0·1	1·3
Felixstowe ...	57	51	49	Tr.	Tr.	1·7
Scilly (St. Mary's)	56	51	*	0.1	0·5	0·0
Falmouth... ...	57	52	*	0.1	Tr.	0·0
Plymouth... ...	57	53	53	0.1	Tr.	0·0
Portland Bill ...	57	54	*	0.3	Tr.	*
Calshot, S'hampton	59	51	43	0.3	–	1·0
Dungeness ...	58	51		Tr.	Tr.	*
Lympne	59	51	49	0·1	Tr.	2·2
Guernsey	59	54	53	1	1	1·7

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon
9h—18h, Kensington.
9h—21h, other stations.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	cmcz o	cpocm o	cmow	58	53	49	0·2	–	1·5	•	•	6
Croydon	244	omcz o	cr o odc	cmcrdcm	60	52	50	0·3	0·4	2·1	•	•	6
Greenwich (Royal Observatory) ...	149	cmc	cd o dc	cd o cm.	61	52	47	Tr.	Tr.	1·7	83	92	5
City (Bunhill Row)	—	•	•	•	•	•	•	0·3		0·8	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	59	51	49	0·5		2·1	81	84	•
Regents Pk. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	•	1·5	•	•	•
Camden Square	110	bcc	cod	•	57	51	48	Tr.	–	•	At 18h.	95	•
Kensington Palace	80	occ	odromep	•	59	52	48	Tr.	0·2	•	91	93	•
Hampstead Observatory ...	450	bcmob	om	•	58	48	44	Tr.	Tr.	2·1	•	96	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 29th Oct

South Kensington. Max.	Time.	Min.	Time.
10	8h.-9h. 28th.	<0·3	23h. 28th. – 6h. 29th.

Kew Observatory. Max.	Time.	Min.	Time.
0·3	9h. 28th.	<0·1	5h. 29th.

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 28th October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 29th OCTOBER. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
Paris	1017·3	NNE	4	m	55	1016·1	W	1	id o	55	50	•	0·1	0·1
Brussels	1013·9	SW	2	m	48	1012·7	WSW	1	o/f	52	50	48	0·2	1
Berlin	1006·7	WNW	3	c/d	45	1009·2	WSW	3	m	45	45	39	0·4	–
Zürich	1018·7	W	1	r o r o	41	1020·7	S	1	ir o	46	41	37	0·5	2
Rome	1014·6	SW	2	b	48	1019·0	NE	2	bc	45	64	37	–	–

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1-3	5	19–24	10	55–63
2	4-7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 „
2 Fog	550 „
3 Moderate fog	1,100 „
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ „
6 Moderate „	6¼ „
7 Good „	12½ „
8 Very good „	31 „
9 Excellent „	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. Simpson, C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T station.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 30th October 1930.

No. 25,179.

OBSERVATIONS at 13h. G.M.T. 29th October

Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base, (feet) (14)
Lerwick	999.4	0	W	2	c	45	88	8	5	6	-	4.6	7.8	1500
Stornoway ...	999.7	-12	NE	1	dd	46	95	8	5	6	-	10	10	4000
Wick	1001.1	-14	NW	2	c	46	95	8	5	-	-	10	10	1500
Tiree	1000.6	-4	SW	4	m	53	95	4	5	2	-	4.6	10	450
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1001.5	-22	SW	2	c	49	75	7	-	7	-	0	9+	-
Malin Head ...	1002.4	-8	SW	4	d	55	95	6	-	-	-	10	10	450
Renfrew	1003.2	-20	SW	2	d	55	95	6	-	2	-	7.8	10	1500
Inchkeith (Edin.)	1003.1	-18	WSW	1	0	50	95	7	-	-	-	10	10	800
Leuchars	1003.4	-22	SW	2	0	49	95	7	-	-	-	10	10	800
Eskdalemuir ...	1004.2	-24	SSW	4	d	51	95	8	5	-	-	10	10	220
Tynemouth ...	1005.3	-20	SW	1	d	53	85	7	5	-	-	9	10	1500
Blacksod Point ...	1005.2	-6	W	5	D	55	95	7	5	-	-	9+	9+	4150
Aldergrove ...	1005.1	-8	SSW	4	d	54	95	7	5	2	-	9	10	220
Donaghadee ...	1005.0	-8	SW	2	r	57	95	7	5	-	-	9+	9+	800
Birr Castle ...	1009.4	-2	SW	3	0	57	95	8	6	-	-	10	10	2500
Holyhead	1009.1	-10	SW	5	r	56	95	7	6	-	-	9+	10	2500
Liverpool (Bidston)	1008.6	-8	SW	4	d	56	95	8	5	-	-	10	10	1500
Chester (Sealand)	1010.5	-6	SW	4	r	58	85	7	5	2	-	7.8	10	1500
Harrogate	1007.5	-14	SW	4	r	56	85	6	5	2	-	7.8	9+	2500
Spurn Head ...	1008.8	-4	SW	4	c	55	85	6	5	2	9	7.8	10	1500
Birmingham ...	1011.1	-6	WSW	4	c	56	85	6	5	3	-	2.3	7.8	2500
Cranwell	1009.8	-6	WSW	4	c	58	85	6	5	3	-	7.8	9	4000
Gorleston	1011.4	-6	SW	4	c	57	85	6	5	-	-	7.8	7.8	2500
Valentia Obs. ...	1012.0	-8	SW	4	0	57	85	6	5	-	-	10	10	220
Roches Point ...	1011.7	-14	W	3	c	55	95	7	3	-	-	9	9	1500
Pembroke	1012.5	-6	WSW	3	c	55	95	7	5	-	-	10	10	800
Ross-on-Wye ...	1012.7	-4	SW	3	c	58	85	7	5	7	8	7.8	9+	4000
Leafield	1013.1	-8	SW	4	c	54	95	7	5	-	-	9+	9+	1500
Cardington ...	1012.4	-4	SW	3	c	60	75	7	5	6	-	2.3	7.8	2500
Winchester ...	1014.7	+4	WSW	3	c	57	85	7	5	7	-	7.8	9+	1500
S. Farnborough ...	1014.3	+2	WSW	3	c	59	75	8	5	3	-	7.8	9+	1500
London (Kew) ...	1013.8	-4	WSW	3	c	59	75	7	5	3	9	1	7.8	4000
Croydon	1014.2	0	WSW	4	c	58	75	7	5	3	-	4.6	7.8	2500
Manston	1013.7	+2	WSW	3	c	59	75	8	5	3	-	4.6	9+	1500
Shoeburyness ...	1013.4	0	WSW	3	c	59	75	6	5	6	1	4.6	7.8	5700
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe ...	1013.0	-2	WSW	3	c	60	75	8	5	3	-	4.6	7.8	2500
Scilly (St. Mary's)	1017.1	0	W	4	r	56	95	4	5	-	-	10	10	1500
Falmouth	1017.6	+6	SW	4	r	55	95	1	5	-	-	10	10	220
Plymouth	1016.9	-2	WSW	3	0	55	95	8	6	-	-	10	10	450
Portland Bill ...	1015.6	0	W	4	c	57	85	8	4	7	-	4.6	7.8	2500
Calshot, S'hampton	1015.1	-2	W	3	c	60	75	7	7	3	-	7.8	9	1500
Dungeness ...	*	*	SW	2	c	*	*	7	-	-	*	0	9	-
Lympne	1013.9	+2	WSW	4	c	57	85	8	5	3	-	7.8	9+	1500
Guernsey	1018.0	+2	W	2	c	58	85	7	5	6	-	4.6	7.8	2500

OBSERVATIONS at 18h. G.M.T. 29th October

Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
Lerwick	999.0	-6	WNW	2	c	40	95	8	7	6	-	4.6	7.8	1500	0	*
Stornoway ...	997.3	-12	NE	2	0	46	95	7	6	-	-	10	10	4000	1	1
Wick	998.8	-16	NNE	2	d	46	95	7	6	2	-	4-10	10	1500	1	2
Tiree	998.5	-16	SW	4	m	52	95	7	5	-	-	10	10	450	1	2
Nairn	997.2	*	-	0	r	47	95	6	6	-	-	10	10	800	2	*
Aberdeen	998.7	-20	SW	2	c	48	95	6	5	1	-	9	10	2500	1	0
Malin Head ...	1000.5	-8	W	5	d	55	95	6	6	-	-	10	10	800	1	3
Renfrew	1001.0	-14	SW	3	d	54	95	6	6	-	-	10	10	1500	1	*
Inchkeith (Edin.)	1000.7	-14	WSW	3	0	54	95	6	5	-	-	10	10	800	0	1
Leuchars	999.9	-20	SW	2	c	53	95	6	5	2	-	7.8	10	450	1	*
Eskdalemuir ...	1002.1	-10	SW	4	d	53	95	5	5	-	-	10	10	220	1	*
Tynemouth ...	1002.4	-10	W	2	r	57	85	7	6	-	-	10	10	1500	1	1
Blacksod Point ...	1004.4	-4	WSW	5	D	55	95	6	6	-	-	10	10	4150	1	4
Aldergrove ...	1003.1	-14	SSW	4	d	55	95	6	5	-	-	10	10	450	1	*
Donaghadee ...	1002.8	-14	SW	2	d	57	95	7	5	-	-	9	9	800	1	1
Birr Castle ...	1007.9	-2	SW	3	d	57	95	6	5	-	-	10	10	2500	1	*
Holyhead	1007.3	-10	SW	5	r	56	95	6	6	1	-	9+	10	2500	1	3
Liverpool (Bidston)	1007.2	-6	SW	4	r	55	95	6	6	-	-	2.3	10	800	1	*
Chester (Sealand)	1008.5	-10	SW	4	r	58	85	6	6	-	-	9	9	1500	2	*
Harrogate	1006.0	-6	SW	4	r	60	95	6	6	-	-	10	10	2500	1	*
Spurn Head ...	1006.6	-8	WSW	4	jp	55	95	6	6	2	-	7.8	10	4000	1	3
Birmingham ...	1005.8	-8	SW	3	0	55	85	6	5	-	-	10	10	2500	1	*
Cranwell	1008.4	-6	SW	4	c	57	85	6	5	-	-	10	10	2500	1	*
Gorleston	1010.1	-4	SW	4	c	57	85	6	5	-	-	10	10	2500	0	1
Valentia Obs. ...	1011.1	-4	SW	4	r	56	95	6	5	-	-	10	10	450	1	3
Roches Point ...	1011.9	+6	W	2	c	56	95	7	5	-	-	9	9	1500	1	2
Pembroke	1011.5	-8	WSW	4	d	55	95	7	5	-	-	10	10	800	1	*
Ross-on-Wye ...	1011.0	-14	SW	4	c	57	85	7	5	-	-	7.8	9	2500	1	*
Leafield	1012.1	-6	SW	4	c	55	95	7	5	-	-	10	10	1500	1	*
Cardington ...	1010.4	-14	SW	5	c	57	85	7	5	3	-	9	10	2500	0	*
Winchester ...	1013.8	-4	SW	3	c	55	95	8	5	-	-	10	10	1500	1	*
S. Farnborough ...	1013.5	-2	SW	3	c	57	85	7	5	-	-	10	10	1500	1	*
London (Kew) ...	1012.9	-6	SW	4	c	58	85	7	6	-	-	9	9	4000	1	*
Croydon	1013.8	0	SSW	3	c	57	85	6	5	-	-	10	10	1500	1	*
Manston	1013.3	-2	SW	3	c	55	85	8	-	3	-	0	9+	-	0	*
Shoeburyness ...	1012.7	0	SSW	3	c	57	85	6	-	7	-	0	9	-	0	*
Clacton-on-Sea ...	1012.3	0	W	4	c	55	85	6	5	-	-	7.8	7.8	1500	0	2
Felixstowe ...	1012.0	-4	SW	4	c	56	85	6	5	-	-	9	9	4000	0	2
Scilly (St. Mary's)	1016.8	-2	W	5	r	55	95	5	5	-	-	10	10	1500	2	3
Falmouth	1017.1	0	WSW	5	r	55	95	5	5	-	-	10	10	450	1	2
Plymouth	1016.2	-2	WSW	5	d	55	95	6	5	-	-	10	10	220	1	2
Portland Bill ...	1014.6	0	SW	5	c	57	95	7	5	4	1	4.6	4.6	2500	1	3
Calshot, S'hampton	1014.7	-2	WSW	4	c	56	95	6	4	3	-	4.6	9+	2500	0	2
Dungeness ...	*	*	SW	5	c	*	*	7	-	7	*	0	9	-	*	2
Lympne	1014.1	+2	SW	4	c	53	95	6	5	7	-	7.8	10	2500	0	*
Guernsey	1017.8	0	WSW	2	c	56	95	6	5	-	-	10	10	2500	1	2

PAST 24 HOURS.

Weather. 7h.—13h. 29th. (37)	Weather. 13h.—18h. 29th. (38)	Weather. 18h 29th. to 1h. 30th. (39)	Weather. 1h.—7h. 30th. (40)
bccy	cbcc	coir	oizy
oirdd	oid	oid	oid
cid,c	cid,	cid,rr	crr
oDrrcm	cmmid	omidr	c
cr	crro	orrc	cro
c3,c	cir,	ccir	c
cirmmdD	oiPm,m,	odjrhd,mmpid,cm,m,	
crcr,m,	cod,rid,	orrcR,m,	ccr,
coir,	o	orrir	oir,cbc
cir,o	oid,om	ccr,r,	cir,cbc
cod,fod,	dr,odm,	odorm,	rm,cm,
omid,	omir,	omir	ocq
id	id	id	id
d,d,rrRc	rrcod,	cid,ir	cid,c
cir,	cir,C	opr,	oc
coiro	od,d,o	oiR	orc
cd,r,	ir	irhj	cm,c
coid	id,or,	orcc	cc
m,c	cir,	cr,	cr,
cir,	cir,coir	coirq	coir
bc	cpr	cirq	cpr,c
cbc	co	c	c
cr,cm,	cm,b,r	cm,d,	cm,o
cim,c	c	cq	cq bc
oir,oiq,m	f,morr,	orridf	omid,c
omoidc	coid,c	corrc	c
cdif,	oid,f	oifr	oif
cbcc	c	cc	copc
c	cpr,r	cr,c	c
cm,cbcc	c	cq	c
cm,c	c	c	coro
c	co	occo	or,id,
cm,c	c	coid,o	c
cm,3,bc	bcc3m,	cr,m,	cm,d,d,
cm,	c	c	c
cbcm,	cm,	cm,	c
cbcz	bccz	czc	c
cm,	c3c	cwz	c
ciF	ifcf	ofFc	ifid
coF	oiffo,m,	od,dmq,	od,dmq,
co	om,edc	om,	om,d,d,
c	c,bc	oz	o
bc	cm,	cq	cq,r,r,c
	bc		o
cm,c	cm,	com,	om,d,d,
or,idc	coddo	o	oid,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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

h(r), "hail" or "rain and hail."

Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus,

R, heavy rain. r_o, slight rain. rr, continuous rain.

<, less than (for cloud height).

⊕, solar halo. ☿, lunar halo.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky. "9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.

(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

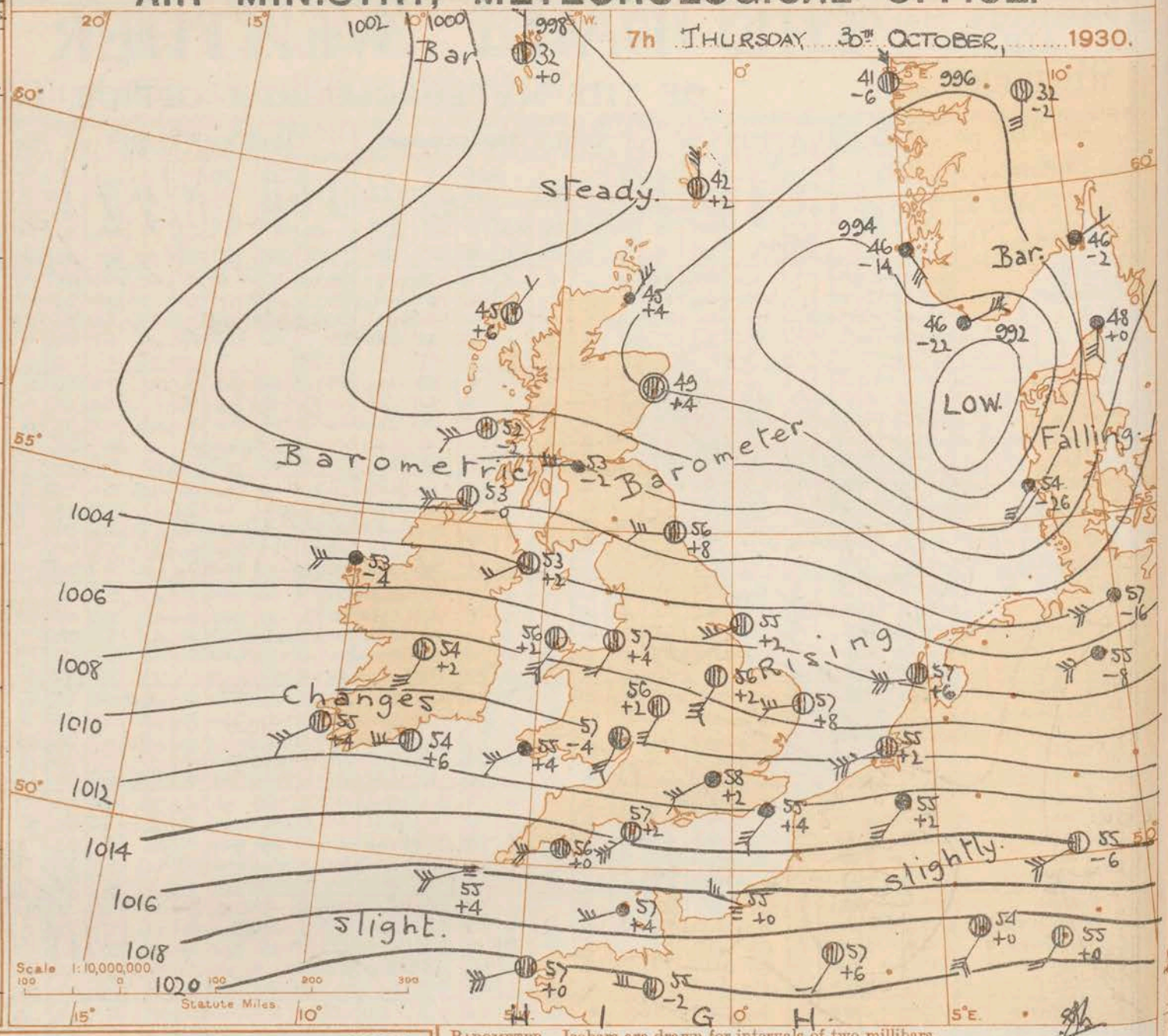
REPORTS from HEALTH RESORTS for 29th October 1930.

STATIONS	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. 9h. 28th to 9h. 29th	TEMPERATURE. Max. 9h.—17h. 29th	RAINFALL. Night. 17h. 28th to 9h. 29th	RAINFALL. Day. 9h.—17h. 29th	SUNSHINE. Sunrise to Sunset. 29th
Dunbar	or m	om	44	56	–	–	0.0
Berwick-on-T.	or r	o	42	56	1	1	0.0
Douglas	om R	om Rc	46	56	2	7	0.0
Llandudno	cid	r ow r	51	60	2	2	0.2
Colwyn Bay	oborr	ror rr	51	60	3	3	0.4
Rhyl	cdc	cdc	44	59	2	0.6	0.2
Wallasey	co	oir	49	58	1	1	0.2
Southport ‖	or	rr	48	55	1	8	0.0
Blackpool	o	or	49	55	1	9	0.0
Morecambe	ormdo	rrorr	47	54	1	21	0.0
Ilkley	bcdo	ror	46	57	Trace	1	0.5
Cleethorpes	oc	oro	46	58	–	0.2	0.0
Mablethorpe	com	orm	47	59	–	1	0.6
Skegness	bco	opro	44	55	–	Trace	0.0
Aberystwyth	cimr	cimr	52	56	1	0.3	0.0
Bath	c	c	54	60	Trace	–	0.0
Cheltenham †	wc	co	50	57	Trace	–	0.8
Leamington Spa	oc	o	42	57	Trace	–	0.0
Lowestoft	oirc	c	46	59	0.2	–	0.4
Dovercourt	d bcc	oc	47	58	Trace	–	0.0
Maldon	cbc	bcco	52	61	–	–	1.3
Southend	cmbc	oc	50	62	0.1	–	2.0
Ilfracombe	oc	odo	54	57	1	0.4	0.1
Bude	oed	d	53	56	Trace	0.5	0.0
St. Ives	d	c	53	59	0.3	0.3	0.4
Penzance	odm	om	52	58	1	–	0.5
Torquay	c	coeo	52	61	–	–	0.6
Jersey	rc	bcc	55	58	2	–	0.5
Weymouth	c	c	52	60	0.1	–	1.3
Bournemouth	oco	obco	51	60	–	–	1.4
Ventnor	rou	cuf	53	58	0.5	–	1.0
Southsea	o	ocbc	53	60	–	–	1.2
Bognor Regis	obcc	cbcbc	51	59	0.3	–	1.2
Littlehampton	cbc	bcc	50	59	Trace	–	1.6
Worthing	co	coc	50	58	Trace	–	0.8
Brighton	bcc	co	53	57	Trace	–	0.8
Eastbourne †	coc	cbco	53	59	0.5	–	3.0
Hastings †	cbcc	coc	51	59	0.6	–	1.3
Folkestone	r oc	r ocm	51	59	Trace	–	0.8
Dover	c	c	51	60	–	–	1.0
Deal	ocbc	cbcc	49	61	–	–	1.6
Tunbridge Wells	o	oco	51	58	0.3	–	0.2
Ramsgate	cbc	bc	49	60	–	–	2.0
Margate	cbc	bcc	50	61	–	–	1.9

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ 17h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. THURSDAY 30th OCTOBER, 1930.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with the wind. Number of feathers indicate Beaufort force. Calm, = ⊙
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :—
○ Clear sky. ◔ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 6/10 to 9/10 clouded. ● Overcast sky.
● Rain falling. ✳ Snow. ▲ Hail. ≡ Fog. ≡° Mist. ⊤ Thunder. ⊼ Thunderstorm.
SEA DISTURBANCE. ~~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 30th Oct. 1930.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind west, moderate or fresh; cloudy, occasional slight rain; perhaps bright intervals tomorrow; very mild today, slightly cooler tomorrow.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind west, moderate or fresh, veering slightly; dull, occasional rain, perhaps bright intervals tomorrow; very mild today, colder tomorrow.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Wind west, moderate or fresh, veering north and decreasing; dull, some rain, probably improving tomorrow with bright intervals, mild, then colder.
13. A. W. Scotld. B. N.W. Scotland.	Wind northerly, light or moderate, freshening somewhat; some rain or sleet with snow on high ground; bright intervals tomorrow but wintry showers; cold.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	
17. N.W. Ireland 18. N.E. Ireland	As 11 - 13A.
19. S.E. Ireland 20. S.W. Ireland	As 7 - 10.

GENERAL INFERENCE.

A depression over Denmark is moving eastward and another system on the Atlantic is filling up. An anticyclone over Greenland is spreading southeast. Cold northerly winds will spread over Scotland and a smaller fall of temperature will occur tomorrow in most districts. Weather continues unsettled but bright intervals may occur tomorrow.

FURTHER OUTLOOK.

Colder than of late, especially in the North. Some bright intervals.

Forecasts issued at 1005 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway, W.C.2. Pa.2495/2/36. We.26. D.6026. Gr.908. 28210. 10/30.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
THURSDAY
OCTOBER 30th
1930.

Clarke's Projection Scale 1·4 × 10⁷ along meridian at 55°N
Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 30th October 1930.

No. 25,172.

OBSERVATIONS at 1 hr. G.M.T. 30th October

Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	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)
Lerwick	54	997·9	-8	N	3	ir$_o$	42	75	7	6	2	–	4-6	10	1500
Stornoway	34	995·9	-4	N	1	id$_o$	46	95	6	3	–	–	10	10	4000
Wick	81	995·7	-12	NNE	2	r$_o$r$_o$	47	95	7	6	2	–	7-8	10	1600
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	51	1001·7	+6	W	5	d$_o$d$_o$	53	95	5	6	–	–	10	10	800
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inchkeith (Edin.)	190	998·5	-4	WSW	4	r$_o$r$_o$	53	95	8	6	–	–	10	10	800
Leuchars	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	67	1000·2	-10	W	3	o	57	85	8	6	–	–	10	10	1500
Blacksod Point	10	1005·6	+2	–	0	c	53	95	6	–	2	–	0	10	–
Aldergrove	238	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1007·2	0	WSW	5	c/r	56	95	6	5	–	–	7-8	7-8	2500
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	29	1003·4	-4	W	4	c	57	95	7	3	2	–	7-8	10	4000
Birmingham	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	241	1005·7	-8	WSW	5	c	58	85	6	5	2	–	7-8	10	2500
Gorleston	14	1007·3	-10	WSW	4	c	54	85	7	6	2	–	4-6	10	2500
Valentia Obs.†	30	1010·6	0	SW'S	3	o/–	55	95	3	6	–	–	10	10	800
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke	150	1010·3	-2	WSW	4	if	55	95	3	5	–	–	10	10	800
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardington	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester	272	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	237	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew)	18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	1012·5	-2	SW'W	4	o	58	85	6	5	–	–	10	10	800
Manston	135	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea	55	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Scilly (St. Mary's)	163	1016·5	0	W	5	c	55	95	6	5	–	–	9+	9+	4000
Falmouth	200	1015·9	-6	WSW	5	d$_o$d$_o$	56	95	5	6	2	–	7-8	10	2500
Plymouth	82	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	32	1013·6	-8	WSW	6	o	57	95	6	5	–	–	10	10	1500
Calshot, S'hampton	8	1015·7	-6	W	5	c	57	95	7	5	–	–	10	10	1500
Dungeness	20	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	347	1012·8	-6	WSW	4	o	56	95	6	5	–	–	10	10	450
Guernsey	173	1017·7	0	WSW	3	o	57	95	6	5	–	–	10	10	2500

OBSERVATIONS at 7 hr. G.M.T. 30th October

Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°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)
Lerwick	997·7	+2	~~WSW~~ N	3	c	42	55	8	6	2	–	4-6	10	1500	0	•
Stornoway	996·8	+6	NNE	1	c	45	95	7	3	–	–	10	10	4000	1	1
Wick	996·8	+4	NNE	3	r$_o$r$_o$	45	95	7	6	–	–	10	10	1500	1	3
Tiree	998·5	-2	WSW	4	c	52	95	7	5	3	–	4-6	10	800	1	3
Nairn	996·2	•	–	0	o/r	47	95	6	5	–	–	10	10	1500	1	•
Aberdeen	996·0	+4	–	0	c	49	85	7	6	3	–	1	9+	4000	1	1
Malin Head	1000·8	0	W	5	c	53	95	6	6	1	–	7-8	10	800	1	3
Renfrew	1000·7	-2	W'N	3	ir$_o$	53	95	7	8	1	–	9	10	1500	1	•
Inchkeith (Edin.)	999·5	+4	WSW	5	c	53	85	8	5	3	–	7-8	9	800	0	2
Leuchars	998·5	+2	SW	3	bc	51	85	8	5	3	1	2-3	2-3	2500	1	•
Eskdalemuir	1001·1	0	WSW	5	c	51	85	6	5	2	–	4-6	9	1500	1	•
Tynemouth	1000·9	+8	W	4	c	56	85	7	6	–	–	9	9	1500	1	2
Blacksod Point	1005·0	-4	W	5	id	53	95	7	6	–	–	10	10	<150	1	4
Aldergrove	1003·6	0	SSW	4	c	52	95	7	5	1	–	7-8	10	1500	1	•
Donaghadee	1003·4	+2	WSW	2	c	53	95	7	5	3	–	4-6	7-8	2500	1	1
Birr Castle	1008·2	+2	SW	3	c	54	95	7	5	2	–	9	10	1500	1	•
Holyhead	1007·6	+2	SW'W	5	c	56	95	8	5	–	–	9+	9+	1500	1	3
Liverpool (Bidston)	1006·5	+4	WSW	4	c	56	85	8	8	–	–	7-8	7-8	1500	0	•
Chester (Sealand)	1007·3	+4	SW	2	c	57	85	9	5	2	–	4-6	9	2500	2	•
Harrogate	1004·0	+6	SW	4	c	55	85	9	6	2	–	9	10	2500	1	•
Spurn Head	1004·7	+2	W'S	3	c	55	95	7	4	1	1	4-6	7-8	4000	1	3
Birmingham	1008·6	+2	WSW	3	c	56	95	8	6	–	–	9	9	1500	1	•
Cranwell	1006·6	+2	SW'W	4	c	56	95	8	5	7	–	9	10	1500	0	•
Gorleston	1007·5	+8	W	4	bc	57	85	7	6	4	–	2-3	4-6	4000	0	2
Valentia Obs.†	1011·6	+4	SW'W	4	c	55	95	7	5	–	–	9	9	1500	1	4
Roches Point	1011·4	+6	W	3	c	54	95	8	3	–	–	7-8	7-8	1500	1	3
Pembroke	1010·5	+4	WSW	4	d	55	95	5	5	–	–	10	10	800	1	3
Ross-on-Wye	1010·0	-4	SW	4	c	57	95	8	9	–	–	7-8	7-8	2500	1	•
Leafield	1010·3	-4	SW'W	4	o	54	95	8	5	–	–	10	10	450	1	•
Cardington	1009·2	0	SW'W	4	c	56	95	8	5	3	–	7-8	9	1500	0	•
Winchester	~~1012·2~~ 1012·7	0	SW'W	3	o	56	95	7	5	–	–	10	10	450	1	•
S. Farnborough	1011·6	0	WSW	4	c	57	95	8	5	3	–	9+	9+	800	1	•
London (Kew)	1011·0	0	SW'W	3	c	58	85	8	5	8	–	9	9+	2500	1	•
Croydon	1011·5	+2	WSW	4	id$_o$	58	85	7	5	–	–	10	10	800	1	•
Manston	1010·8	+4	WSW	3	c	58	85	8	5	–	–	9+	9+	800	0	•
Shoeburyness	1010·7	0	WSW	4	c	58	85	8	5	–	–	9+	9+	1500	0	•
Clacton-on-Sea	1009·8	0	W	4	c	58	85	7	2	–	–	7-8	7-8	450	0	3
Felixstowe	1010·7	+10	W	3	c	58	85	8	5	–	–	9	9	800	0	2
Scilly (St. Mary's)	1016·1	+4	W	5	if	55	95	3	5	–	–	10	10	<150	1	3
Falmouth	1015·9	+6	WSW	5	d$_o$d$_o$	56	95	6	6	2	–	7-8	10	2600	1	2
Plymouth	1014·8	0	W	5	o/d	56	95	7	6	–	–	10	10	450	1	3
Portland Bill	1012·8	+2	WSW	7	c	57	95	7	4	–	–	10	10	1500	1	4
Calshot, S'hampton	1012·8	-4	W'S	4	o	57	95	7	5	–	–	10	10	450	1	2
Dungeness	•	•	SW	5	d	•	•	6	8	–	•	10	10	2500	•	3
Lympne	1012·0	+4	WSW	4	d$_o$d$_o$	55	95	6	5	–	–	10	10	450	1	•
Guernsey	1017·4	+4	W	3	d$_o$d$_o$	57	95	5	6	–	–	10	10	1500	1	3

PAST 24 HOURS.

Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 29th Hrs. (36)
Lerwick	46	40	•	–	Tr.	32
Stornoway	47	44	•	2	3	0·0
Wick	47	45	•	0·5	4	•
Tiree	53	52	50	3	1	0·0
Nairn	48	46	•	6	5	0·0
Aberdeen	50	46	40	0·2	2	0·0
Malin Head	55	51	•	5	8	0·0
Renfrew	56	53	50	2	10	0·0
Inchkeith (Edin.)	55	51	50	0·1	5	0·0
Leuchars	53	50	46	Tr.	1	0·0
Eskdalemuir	58	50	47	3	13	0·0
Tynemouth	57	55	49	0·5	2	•
Blacksod Point	56	53	•	11	1	•
Aldergrove	55	51	48	10	2	0·0
Donaghadee	57	53	•	5	0·6	•
Birr Castle	57	53	52	3	4	0·0
Holyhead	56	55	53	5	1	0·0
Liverpool (Bidston)	57	55	53	0·4	0·6	0·2
Chester (Sealand)	59	57	53	0·1	0·2	0·0
Harrogate	56	55	52	1	1·2	0·0
Spurn Head	56	54	•	1	0·4	0·0
Birmingham	58	54	52	–	–	1·6
Cranwell	59	56	54	Tr.	Tr.	0·2
Gorleston	58	54	53	–	–	0·2
Valentia Obs.†	57	54	52	2	6	0·0
Roches Point	59	54	•	0·1	2	•
Pembroke	56	53	•	Tr.	1	0·0
Ross-on-Wye	59	56	53	–	0·4	1·4
Leafield	56	54	53	Tr.	Tr.	0·4
Cardington	60	56	54	–	–	1·6
Winchester	60	55	53	Tr.	0·6	0·7
S. Farnborough	60	56	55	–	0·1	1·3
London (Kew)	59	56	54	–	Tr.	0·9
Croydon	60	56	54	–	Tr.	1·0
Manston	60	54	53	–	–	
Shoeburyness	61	55	54	–	–	1·9
Clacton-on-Sea	59	54	52	–	–	1·3
Felixstowe	60	54	53	–	–	2·0
Scilly (St. Mary's)	56	54	•	–	0·5	0·0
Falmouth	57	55	•	Tr.	2	0·4
Plymouth	56	54	52	Tr.	1	0·0
Portland Bill	58	55	•	–	–	•
Calshot, S'hampton	60	55	53	–	0·6	0·8
Dungeness	•	•	•	–	–	•
Lympne	60	54	•	–	Tr.	0·7
Guernsey	59	56	56	0·2	0·5	1·0

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon
9h—18h, Kensington.
9h—21h, other stations.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility. 9h. (To-day.)
Kew	18	cm$_o$c	c	coid$_o$c	59	56	54	–	Tr.	0·9	•	•	8
Croydon	244	cm$_o$zbc	bcczm$_o$	cr$_o$m$_o$r$_o$d$_o$	60	56	54	–	Tr.	1·0	•	•	7
Greenwich (Royal Observatory)	149	c	c	cid$_o$	62	57	54	–	Tr.	0·7	77	89	7
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	0·4	•	•	•
Westminster (St. James' Park)	27	•	•	•	61	53	53	—		0·8	75	87	•
Regents Pk. (Botanic Gardens)	168	•	•	•	•	•	•	•	•	1·0	•	•	•
Camden Square	110	c	c	•	58	54	53	–	Tr.	•	•	•	•
Kensington Palace	80	cbc	co	•	61	57	53	–	–	•	At 18h. 83	84	•
Hampstead Observatory	450	bcom	om	•	58	53	51	Tr.	Tr.	0·8	•	92	•

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	8h.-10h. 29th.	<0·3	22h.-23h. 7h.-30th.

Kew Observatory. Max.	Time.	Min.	Time.
0·4	9h. 29th.	<0·1	0h.-5h. 30th.

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 29th October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 30th October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1018·6	WSW	2	c	57	1019·0	SSW	1	c	57
Brussels	1014·8	WSW	3	c	54	1012·4	SW	3	d$_o$d$_o$	55
Berlin	•	•	•	•	•	1006·0	SW	3	rr	52
Zürich	1021·9	S	1	o/r	48	1022·2	WSW	1	c	52
Rome	•	•	•	•	•	1024·0	NE	2	c	47

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
59	54	Tr.	–
55	52	0·1	1
50	•	10	•
50	50	1	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.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

† 1 hr observations are from Valentia W/T station.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 31st October 1930.

No. 25,180.

OBSERVATIONS at 13h. G.M.T. 30th October

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)
Lerwick	998.3	0	NNE	2	c	43	95	6	5	6	-	4.6	7.8	1500
Stornoway ...	1000.4	+2.0	NNW	2	c d	43	95	6	5	-	-	10	10	4000
Wick	997.8	+6	ENE	5	d, d°	44	95	6	6	-	-	10	10	1500
Tiree	1001.9	+3.0	NNW	5	c.	49	85	8	5	3	-	9	9+	1500
Nairn	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Aberdeen	997.0	+2	WNW	2	rr	49	95	7	6	2	-	7.8	9	2500
Malin Head ...	1002.8	+8	WSW	5	c/d	53	98	7	6	-	-	9	9+	800
Renfrew	1000.7	+4	W	3	ir	52	95	7	6	1	-	9	10	1500
Inchkeith (Edin.)	999.1	-6	WSW	5	c	54	85	8	5	1	-	4.6	9	5700
Leuchars	998.0	-2	SW	5	c	57	75	8	8	3	-	7.8	7.8	2500
Eskdalemuir ...	1001.4	+4	W	5	c/pr	51	85	8	8	-	-	7.8	7.8	1500
Tynemouth ...	1001.5	-1.0	W	4	c	57	75	7	8	-	-	7.8	7.8	2500
Blacksod Point ...	1007.6	+12	W	5	c	54	95	7	5	-	-	7.8	7.8	220
Aldergrove ...	1005.0	+10	WSW	4	c d°	53	85	7	5	-	-	9+	9+	1500
Donaghadee ...	1004.5	+8	W	2	pr°	54	85	8	5	-	-	7.8	7.8	2500
Birr Castle ...	1010.2	+8	W	3	c	54	85	8	6	-	9	9	10	1500
Holyhead	1008.5	+4	WSW	5	pr	55	95	8	6	-	2	9	9+	2500
Liverpool (Bidston)	1006.8	-4	WSW	6	c/d	56	75	6	8	-	9	7.8	9	2500
Chester (Sealand)	1007.3	0	W'S	4	c	60	65	8	5	-	1	4.6	7.8	4000
Harrogate... ...	1004.1	0	SW	6	cq	55	85	8	3	-	-	7.8	7.8	2500
Spurn Head ...	1004.6	-2	W'N	4	c/p	55	95	6	3	3	-	4.6	9	2500
Birmingham ...	1005.6	+4	W	4	c/p	57	75	8	6	-	-	9+	9+	1500
Cranwell	1006.2	-1.0	WSW	5	c	61	75	8	2	-	2	1	4.6	2500
Gorleston	1007.1	-4	WSW	4	c	61	75	8	7	-	-	4.6	4.6	4000
Valentia Obs. ...	1013.1	+2	SW'S	5	c	56	85	7	6	-	-	7.8	7.8	1500
Roches Point ...	1013.0	+6	W	3	c	57	85	8	3	-	-	7.8	7.8	1500
Pembroke... ...	1012.3	+2	WSW	5	c	55	95	8	8	7	-	4.6	9+	800
Ross-on-Wye ...	1010.7	+8	WSW	4	c	52	65	8	4	-	-	7.8	7.8	4000
Leafield	1010.8	0	WSW	5	c	56	75	8	7	-	-	4.6	4.6	4000
Cardington ...	1008.6	-1.0	WSW	5	c	61	65	8	7	-	1	7.8	7.8	2500
Winchester ...	1013.2	0	W	5	c	59	65	8	7	-	-	9	9	1500
S. Farnborough ...	1012.3	0	WSW	5	c/r	60	65	8	6	-	-	9	9	1500
London (Kew) ...	1011.7	-1.0	W	4	c	59	65	8	4	-	-	9	9	2500
Croydon	1011.8	-2	WSW	5	c	61	75	8	5	-	-	9	9	1500
Manston	1010.9	-4	WSW	4	bc	64	75	8	1	-	-	2.3	2.3	2500
Shoeburyness ...	1010.4	-4	WSW	4	c	62	75	8	5	-	-	9	9	2500
Clacton-on-Sea ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Felixstowe ...	1009.7	-4	W'S	4	c	62	65	8	5	-	-	7.8	7.8	2500
Scilly (St. Mary's)	1017.6	-2	W	5	bc	56	95	7	5	8	1	2.3	4.6	4000
Falmouth... ...	1017.6	0	W'S	5	c	58	75	8	5	-	-	7.8	7.8	4000
Plymouth... ...	1016.0	-2	WNW	5	c	58	75	8	4	-	1	4.6	7.8	2500
Portland Bill ...	1014.2	-2	W'S	5	c	58	85	8	4	5	-	4.6	7.8	1500
Calshot, S'hampton	1013.6	0	WNW	5	c/pr	59	85	8	8	-	-	7.8	7.8	2500
Dungeness ...	.	.	WSW	5	c	.	.	6	2	-	.	4.6	4.6	2500
Lympne	1012.3	-2	SW'W	4	c°	61	85	7	8	-	-	7.8	7.8	1500
Guernsey	1017.9	+2	W	2	c	57	95	6	5	-	-	10	10	2500

OBSERVATIONS at 18h. G.M.T. 30th October

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)
Lerwick	1000.6	+1.4	NNW	3	c.	36	95	7	6	-	-	1.0	1.0	1500	1	.
Stornoway ...	1000.4	+3.0	NW	1	bc	36	95	7	-	2	-	0	2.3	-	1	1
Wick	1002.5	+3.2	NNW	4	c/r	39	95	8	6	1	8	4.6	7.8	1500	1	4
Tiree	1007.2	+3.2	WNW	4	pr	46	75	8	8	7	-	7.8	9	2500	0	3
Nairn	1003.7	.	NNW	3	c	43	85	8	3	-	-	7.8	7.8	1500	1	.
Aberdeen	1001.7	+3.0	NW	4	bc	45	85	7	7	4	-	2.3	2.3	2500	1	1
Malin Head ...	1003.0	+2.4	NW	5	c/pr	48	95	7	9	3	-	7.8	7.8	1500	0	3
Renfrew	1005.8	+3.4	WNW	3	ir°	46	95	8	9	-	-	9	9	1500	0	.
Inchkeith (Edin.)	1002.4	+1.8	W	4	bc	50	85	8	9	5	-	2.3	2.3	800	0	2
Leuchars	1002.0	+3.2	WNW	3	bc	49	75	8	9	8	-	4.6	4.6	1500	1	.
Eskdalemuir ...	1004.7	+2.0	WNW	4	bc	47	85	8	7	8	1	2.3	4.6	1500	1	.
Tynemouth ...	1002.7	+1.2	W	4	bc	53	85	7	7	2	-	4.6	4.6	2500	0	3
Blacksod Point ...	1011.2	+2.0	WNW	3	c	49	85	7	8	5	-	9+	9+	220	0	3
Aldergrove ...	1008.8	+3.0	WNW	3	c	48	85	7	8	6	-	9+	9+	2500	0	3
Donaghadee ...	1007.6	+2.2	WNW	2	pr	50	85	7	7	5	2	4.6	7.8	2500	1	1
Birr Castle ...	1011.0	+1.8	WNW	2	c	52	95	8	8	5	-	7.8	9	2500	1	.
Holyhead... ...	1009.7	+6	WSW	5	c	55	85	8	6	7	-	4.6	9+	1500	1	2
Liverpool (Bidston)	1008.7	+12	WSW	5	c	54	85	8	8	5	-	7.8	7.8	2500	1	.
Chester (Sealand)	1009.6	+8	WSW	3	c	56	75	8	7	-	-	7.8	9	4000	1	.
Harrogate... ...	1010.6	+10	SW	5	ir°	52	85	7	6	-	-	1	9	2500	1	.
Spurn Head ...	1005.7	+2	W'N	4	c	54	85	6	4	2	9	2.3	9	4000	0	3
Birmingham ...	1010.3	+6	W	4	c	54	85	6	5	3	-	4.6	7.8	4000	1	.
Cranwell	1008.4	+1.4	W'S	4	c	54	85	7	5	3	1	4.6	7.8	2500	0	.
Gorleston	1008.1	+1.4	W	3	c	57	75	7	5	-	-	9+	9+	4000	0	2
Valentia Obs. ...	1014.3	+1.0	SW'W	5	c	54	95	8	5	-	-	9	9	800	1	2
Roches Point ...	1013.4	+1.0	W	3	bc	54	85	8	3	-	2	4.6	4.6	1500	0	2
Pembroke... ...	1012.3	+2	WSW	5	c	55	95	8	8	4	9	4.6	7.8	1500	0	3
Ross-on-Wye ...	1011.9	+6	WSW	3	c	55	75	8	8	5	-	9+	9+	2500	1	.
Leafield	1011.9	+4	WSW	4	bc	52	85	8	8	5	-	4.6	4.6	4000	0	.
Cardington ...	1010.7	+4	WSW	4	bc	54	85	8	7	7	-	3.3	4.6	2500	0	.
Winchester ...	1014.0	+8	WSW	3	c	55	75	8	5	-	-	9	9	2500	0	.
S. Farnborough ...	1012.8	+6	WSW	4	c	55	75	8	5	-	-	7.8	7.8	2500	1	.
London (Kew) ...	1012.6	+1.0	WSW	3	c	56	75	7	5	-	-	4.6	9	4000	1	.
Croydon	1012.6	+4	WSW	4	3c	55	75	6	4	-	5	2.3	7.8	4000	1	.
Manston	1011.8	+8	W	4	c	55	75	8	5	3	-	2.3	7.8	4000	0	.
Shoeburyness ...	1011.9	+2	WSW	4	bc	55	75	8	-	1	-	0	4.6	-	0	.
Clacton-on-Sea ...	1011.1	+1.0	WSW	4	c	56	75	7	5	-	-	7.8	7.8	800	0	3
Felixstowe ...	1010.4	+6	W'S	4	c	57	75	8	5	-	-	4.6	7.8	2500	0	3
Scilly (St. Mary's)	1017.4	+2	W	4	c	54	95	7	6	3	-	2.3	9	4000	0	3
Falmouth... ...	1016.8	0	WSW	4	c	56	85	8	6	3	-	4.6	9	2500	0	2
Plymouth... ...	1016.5	+6	W	5	c	55	95	8	8	4	-	9+	9+	1500	1	3
Portland Bill ...	1014.5	+4	WSW	6	c	57	85	8	7	4	-	9+	9+	1500	1	4
Calshot, S'hampton	1014.3	+6	W'S	3	c	56	75	7	8	6	-	4.6	7.8	2500	0	2
Dungeness ...	.	.	WSW	5	c	.	.	7	8	-	.	7.8	7.8	2500	.	.
Lympne	1013.1	+8	SW'W	4	c	54	75	7	7	-	-	4.6	7.8	2500	0	.
Guernsey	1017.9	0	W	2	0	56	95	6	5	-	-	1.0	1.0	2500	1	3

PAST 24 HOURS. WEATHER.

STATIONS. (For heights see p. 4.)	7h.–13h. 30th... (37)	13h.–18h. 30th... (38)	18h. 30th. to 1h. 31st. (39)	1h.–7h. 31st... (40)
Lerwick	ocy	cor°c	bcpr°s.h	bcph°s
Stornoway ...	odd	bc	c	c
Wick	orrd°	d°Rr	bc	ihier
Tiree	cjr	cbcc	cprbc	pr°bc
Nairn	rRc	cpr	cbcx	bc
Aberdeen	bcorr	erc bc	b	b
Malin Head ...	cidm°°	cpr p°	cpr°bcpr°	cpr°c
Renfrew	crm°	ir°bccr°	bcbx	bxcx
Inchkeith (Edin.)	cir°	cbc	cbcb	bbcw
Leuchars	bccp°r	cPR bcv	bcbxv	bx
Eskdalemuir ...	cprbc	cprbc	bc	bcpr°bcx
Tynemouth ...	bccp°	dp°bc	bc	bc
Blacksod Point ...	c	pc	cc	cc
Aldergrove ...	cd crd°	dqrRc°	bc	bcxbcx
Donaghadee ...	pr	cp°r	bc	bcw
Birr Castle ...	crc	crc	crc	c
Holyhead... ...	PRc	p°rc	cm°kq°R	c
Liverpool (Bidston)	cqcd	cq°c	bcorr	ov
Chester (Sealand)	vcbcd°	c	c,r	cm°
Harrogate... ...	cqir°	qcbir°	cb	bcc
Spurn Head ...	cprq	cpr	bc	cbc
Birmingham ...	cbccp°r	cp°r	cp°bc	bccr°
Cranwell	cbc	bcc	c	c
Gorleston	bcq	bccq	cbd	be
Valentia Obs. ...	cid°bcc	cbcc	cbcc	c
Roches Point ...	c	cbc	bcbw	bbccw
Pembroke... ...	cm°	c	cbc	bbcc
Ross-on-Wye ...	cbcc	c	cep°c	cc
Leafield	cbc	bcc	bc	cr°
Cardington ...	cq	cir°cbc	bccpr°c	ccrm°cm°
Winchester ...	oc	c	cpr°bc	bcbbc
S. Farnborough ...	cd°bcq r°	cbcc	bccp	cbwbc
London (Kew) ...	c	cbcc	cbc	bccm°w
Croydon	cdc	cbcm°	bccr°m°	cbbccm°
Manston	cbc	bcc	cbc	bcm°
Shoeburyness ...	cm°prbc	bc	bc	bccm°
Clacton-on-Sea ...	cbc	bcc	c	cbcc
Felixstowe ...	bcc	bc	bcc	c
Scilly (St. Mary's)	cfdbc	bccfc	cbcW	bcWc
Falmouth... ...	cm°°bcq	cq	cbc	bcc
Plymouth... ...	cd°bc	bcc	cbcir°	bccm°
Portland Bill ...	oc	c	cbc	bc
Calshot, S'hampton	ocbcp°r bcl	bccqc 0	cd°,b	bw
Dungeness ...				b
Lympne	odcm°c	cbc	bcbc	bbw
Guernsey	oid°o	oidco	oid°o	oid°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.
m, mist, „ 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus, R, heavy rain. r°, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, solar halo. ☾, lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"t r" signifies a small amount of cloud (trace) covering less than 1/10 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

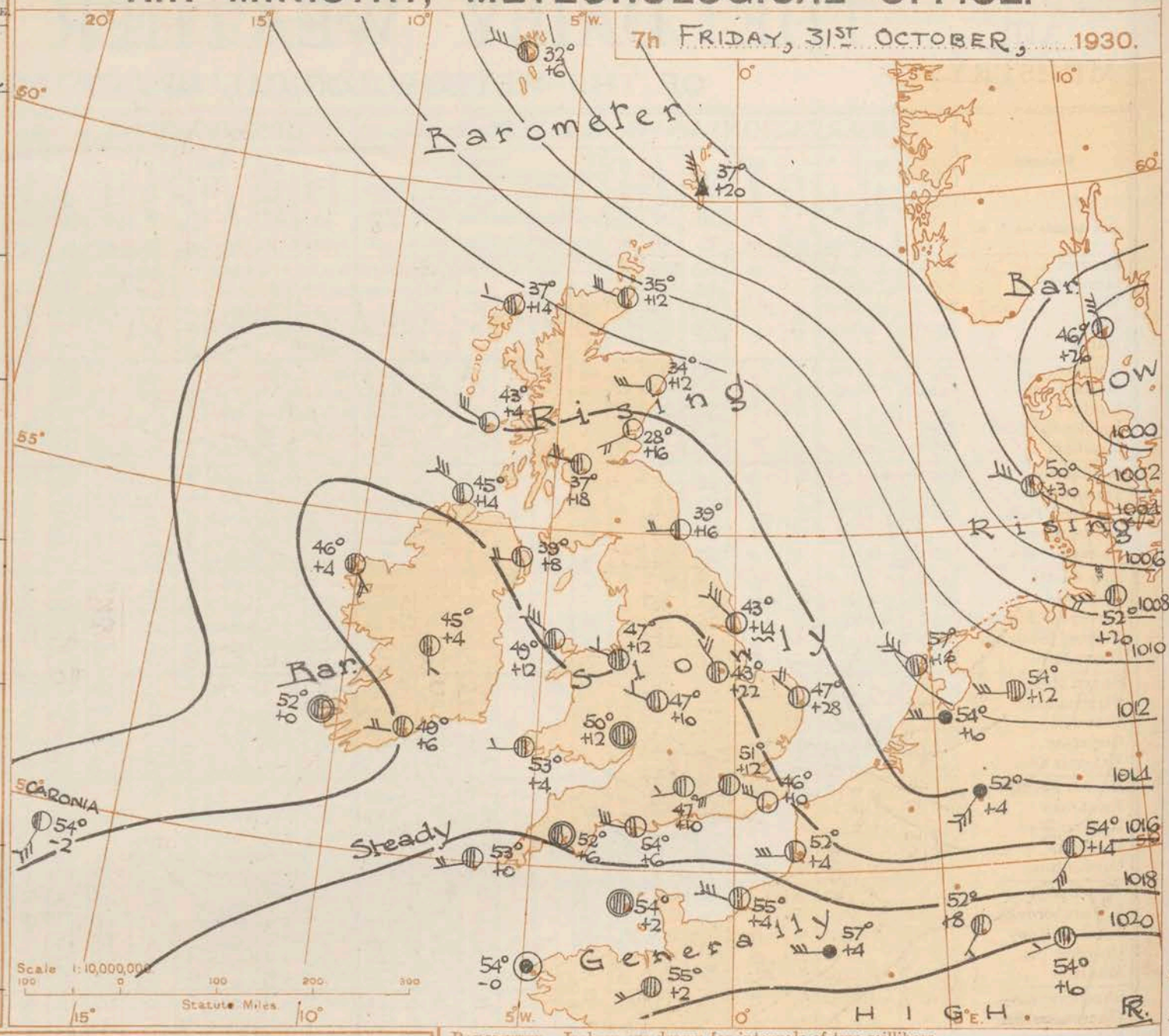
REPORTS from HEALTH RESORTS for 30th October 1930.

STATIONS	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. 9h. 29th to 9h. 30th	TEMPERATURE. Max. 9h.—17h. 30th	RAINFALL. Night. 17h 29th to 9h. 30th	RAINFALL. Day. 9h.—17h. 30th	SUNSHINE. Sunrise to Sunset. 30th
Dunbar	bc	bc	46	57	3	-	2.4
Berwick-on-T.	c	pr.c	45	56	5	0.3	2.4
Douglas	o'rcb	cbc	52	56	0.5	0.5	1.6
Llandudno	bc.c.d.	c.d.c	55	58	2	0.2	2.9
Colwyn Bay	o.b.c.bc	o.d.o	56	58	2	trace	1.8
Rhyl	m.o.bc.c	bc.c	55	61	2	-	3.2
Wallasey	c.bc	c.r.c	53	54	1	Trace	1.3
Southport ‖	oc	c.o.r.o	54	56	0	0.6	0.8
Blackpool	oc	co	52	57	3	-	0.7
Morecambe	r.r.o	d.p.bc.c	49	55	5	Trace	1.1
Ilkley	c.o.r	o.r	51	66	6	1	0.0
Cleethorpes	o.r.c	c.i.r.o	51	58	1	2	0.2
Mablethorpe							
Skegness	o	o.b.c.o	53	60	Trace	1	1.0
Aberystwyth	c.i.m.r.c	c	53	55	1	-	0.2
Bath	c.bc	c.i.r.	56	59	5	Trace	0.6
Cheltenham †	b.o.c.c	bc.c	55	59	Trace	-	4.2
Leamington Spa	c.bc	bc.c.o	52	61	0.2	-	3.6
Lowestoft	o.d.c	c.bc.bc	53	62	Trace	-	3.5
Dovercourt	bc	bc.o.c	53	63	-	-	4.2
Maldon	o.c.b	bc	55	63	-	-	4.4
Southend	c.d.o.bc	bc.c	52	63	Trace	Trace	3.6
Ilfracombe	c.o	o	54	57	6	-	0.1
Bude	o.e.d.o	o.e	54	56	4	Trace	0.1
St. Ives	c	c	52	58	1	-	3.1
Penzance	c.b	bc	54	60	1	-	3.3
Torquay	o.d.p	c.d.o.pc	55	59	Trace	Trace	1.2
Jersey	r.c	c.o.c	55	58	0.4	-	0.0
Weymouth	c.b.c.c	c	55	60	-	-	1.9
Bournemouth	c.b.c.c	c	54	61	-	-	3.0
Ventnor	r.o.u.f.c	b.c.b.o.u	55	59	0.5	-	3.8
Southsea	oc	b.c.o	55	62	0.4	-	2.3
Bognor Regis	o.c.b.c.c	b.c.b.c	56	62	1	-	2.3
Littlehampton	c.bc	bc.c	54	61	1	-	2.7
Worthing	oc	c.b.c.c	54	62	1	-	1.9
Brighton	o.c.o	o	54	59	0.6	-	1.0
Eastbourne †‖	oc	c.b.c.c	56	60	0.6	-	2.6
Hastings †	o.c.o.c	c.b.c.c	55	60	0.5	-	2.5
Folkestone	r.o.o.c	c.bc	55	62	Trace	-	2.8
Dover	c	bc	55	61	Trace	-	2.7
Deal	c.bc	bc.c	56	64	-	-	2.5
Tunbridge Wells	oc	b.c.c	51	63	0.3	-	2.5
Ramsgate	c.bc	bc	54	65	-	-	4.5
Margate	bc	bc	55	65	-	-	4.8

†Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ 17h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h FRIDAY, 31ST OCTOBER, 1930.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 31st Oct. 1930.
1. S.E. England	Light west to southwest breeze; mainly cloudy, perhaps local drizzle tomorrow; mild.
2. E. England	
3. E. Midlands	Light variable breeze, finally southwest; mainly cloudy, slight local rain tomorrow; local fog night and morning; moderate temperature.
4. W. Midlands	
5. S.W. England	Light to moderate southwest breeze; cloudy, slight rain or drizzle at times; local fog later; mild.
6. South Wales	
7. North Wales	Light wind, westerly to variable, then mainly southeast or south; fair at first, slight rain probable later; local fog tonight; rather cold at first with local ground frost tonight; becoming milder tomorrow.
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	
13. A. W. Scotld. / B. N.W. Scotland.	Light westerly to variable wind; local wintry showers at first, then fair; perhaps rain or sleet tomorrow with local snow; cold with frost at night.
14. Mid-Scotland	
15. N.E. Scotland	
16. Orkneys and Shetlands.	
17. N.W. Ireland	Wind mainly south to southwest, light to moderate or fresh; cloudy, some rain; becoming milder again.
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 the wind. Number of feathers indicate Beaufort force. Calm = ⊙
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :—
○ Clear sky. ◔ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 5/10 to 9/10 clouded. ● Overcast sky.
● Rain falling. ✳ Snow. ▲ Hail. ≡ Fog. ≡° Mist. ⊤ Thunder. ⊼ Thunderstorm.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A wedge of high pressure is crossing the British Isles and a shallow depression is approaching West Ireland. Weather will be fair at first but slight local rain or drizzle will spread slowly from southwest.

FURTHER OUTLOOK.

Somewhat unsettled.

Forecasts issued at 0950 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway, W.C.2.
Pc.2485/2136. We.26. 0.6026. Gp.908 2820. 10/30.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
FRIDAY
OCTOBER 31st
1930.

Clarke's Projection Scale 1·4 × 10⁷ along meridian at 55°N
Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 31st October 1930.

No. 25,180.

OBSERVATIONS at 1 hr. G.M.T. 31st October

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)
Lerwick	54	1004·3	+8	NW	3	bc/ph(r)	55	85	7	8	–	–	4-6	4-6	1500
Stornoway ...	34	1010·1	+14	NW	1	c	37	85	7	4	6	–	4-6	7-8	4000
Wick	81	1008·3	+22	NW	2	bc	36	85	8	5	8	–	2-3	4-6	2500
Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head ...	51	1012·3	+14	NW	4	bc/p	45	85	8	3	–	–	2-3	2-3	2500
Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Inchkeith (Edin.)	190	1011·2	+18	NW	2	b	41	75	8	–	4	–	0	1	—
Leuchars	30	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth ...	67	1010·8	+34	WNW	3	bc	42	75	8	1	–	–	2-3	2-3	4000
Blacksod Point ...	10	1015·1	+14	NW	3	bc	45	75	7	5	–	–	4-6	4-6	450
Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead... ...	26	1013·5	+18	NNW	5	c	51	85	7	5	–	–	9	9	1500
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Harrogate... ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head ...	29	1009·1	+6	NW	4	c	52	85	7	5	2	–	4-6	9	4000
Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	241	1011·2	+10	W'S	4	c	52	85	7	5	–	–	9	9	2500
Gorleston	14	1010·4	+6	W'S	4	bc	55	85	7	4	–	–	4-6	4-6	4000
Valentia Obs.† ...	30	1015·7	+10	W	3	c/d	53	95	8	5	–	–	7-8	7-8	2500
Roches Point ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke... ...	150	1014·4	+8	W	3	bc	54	95	8	7	–	–	2-3	2-3	2500
Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cardington ...	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Winchester ...	272	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	244	1014·7	+6	WSW	4	c	53	85	7	5	3	–	4-6	9	2500
Manston	185	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Clacton-on-Sea ...	55	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Scilly (St. Mary's)	163	1018·3	0	WNW	4	bc	53	95	7	5	–	8	4-6	4-6	4000
Falmouth... ...	200	1018·3	+6	WSW	3	bc	54	95	7	5	–	–	4-6	4-6	4000
Plymouth... ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill ...	32	1015·9	+4	W'S	5	bc	56	85	8	4	4	–	4-6	4-6	2500
Calshot, S'hampton	8	1015·6	+6	W	4	b	54	85	7	–	–	–	0	0	—
Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	347	1014·6	+6	WSW	4	bc	53	85	7	5	3	–	2-3	4-6	4000
Guernsey	173	1018·0	0	W	2	0	55	95	8	5	–	–	10	10	2500

OBSERVATIONS at 7 hr. G.M.T. 31st October

Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	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)
Lerwick	1004·0	+20	NNW	3	ph	37	85	7	8	4	–	4-6	7-8	1500	1	*
Stornoway ...	1012·7	+14	WNW	1	c	37	95	7	5	–	–	9+	9+	4000	1	1
Wick	1011·2	+12	WNW	3	c/r	35	95	8	6	–	8	7-8	10	1500	1	2
Tiree	1013·9	+14	NW'W	3	bc	43	65	9	4	7	3	4-6	4-6	2500	0	2
Nairn	1012·7	*	W	1	bc	31	85	8	5	8	–	2-3	4-6	2500	0	*
Aberdeen	1013·5	+4	W	3	b	34	75	8	8	–	–	Tr.	Tr.	2500	1	1
Malin Head ...	1015·3	+14	NW	4	c	45	75	8	4	–	–	9+	9+	4000	0	3
Renfrew	1015·0	+18	WNW	2	c	37	95	8	5	–	–	9+	9+	2500	1	*
Inchkeith (Edin.)	1013·8	+18	SW	1	bc	41	85	6	5	1	–	4-6	4-6	800	1	0
Leuchars	1014·5	+16	WSW	2	b	28	95	8	5	–	–	Tr.	Tr.	4000	4	*
Eskdalemuir ...	1015·8	+14	–	0	bc	32	95	8	5	–	–	4-6	4-6	2500	1	*
Tynemouth ...	1014·7	+16	W	2	bc	39	75	6	2	6	–	4-6	4-6	2500	0	2
Blacksod Point ...	1016·8	+14	SE	2	c	46	75	8	4	6	–	4-6	7-8	2500	0	3
Aldergrove ...	1016·8	+16	SW'W	1	bc	37	95	7	5	–	–	2-3	2-3	2500	1	*
Donaghadee ...	1015·3	+8	W	2	bc	39	95	8	–	3	8	0	2-3	—	0	0
Birr Castle ...	1016·7	+4	S	1	c	45	95	7	6	–	–	9+	9+	2500	1	*
Holyhead... ...	1015·9	+12	NW'N	4	c	49	75	8	5	–	–	9+	9+	2500	1	2
Liverpool (Bidston)	1015·9	+8	NW'W	2	o	48	85	9	6	–	–	10	10	1500	0	*
Chester (Sealand)	1015·8	+12	WNW	1	c	47	95	6	5	–	–	10	10	2500	2	*
Harrogate... ...	1016·3	+20	W	1	c	40	85	9	5	9	–	4-6	7-8	4000	1	*
Spurn Head ...	1014·8	+14	NW'N	4	bc	43	95	7	4	2	9	2-3	4-6	4000	0	4
Birmingham ...	1016·9	+10	WNW	1	c	47	85	8	5	–	–	9	9	4000	1	*
Cranwell	1016·5	+22	NNW	2	c	43	75	8	5	7	–	7-8	9+	4000	0	*
Gorleston	1014·5	+28	NW	2	bc	47	85	6	–	2	–	0	2-3	—	0	2
Valentia Obs.† ...	1015·6	0	—	0	c.	52	95	8	5	–	–	9+	9+	800	1	3
Roches Point ...	1016·0	+6	W	2	c	49	95	7	5	–	–	7-8	7-8	1500	1	2
Pembroke... ...	1016·5	+4	W	1	c	53	95	7	8	6	–	7-8	9	800	0	2
Ross-on-Wye ...	1016·7	+12	—	0	c	50	85	8	5	–	–	10	10	4000	1	*
Leafield	1016·8	+16	N'W	2	c	46	95	8	5	–	–	9+	9+	4000	1	*
Cardington ...	1016·2	+20	NW'W	1	c	49	85	6	5	–	–	9+	9+	2500	1	*
Winchester ...	1017·2	+10	W	2	bc	46	95	7	7	3	–	2-3	4-6	2500	1	*
S. Farnborough ...	1016·7	+14	WSW	1	c	47	95	7	5	–	–	7-8	7-8	1500	1	*
London (Kew) ...	1016·8	+12	SW'W	2	w	50	95	6	5	–	8	9	9+	2500	1	*
Croydon	1016·5	-2	W'N	3	c	51	85	6	5	–	–	9	9	2500	1	*
Manston	1015·7	+8	SW	2	bc	49	95	6	5	3	–	4-6	4-6	2500	0	*
Shoeburyness ...	1015·6	+10	NW	2	c	51	95	6	5	–	–	9	9	1500	0	*
Clacton-on-Sea ...	1015·0	+14	W	3	c	51	95	7	5	–	–	7-8	7-8	450	0	2
Felixstowe ...	1015·6	+20	NNW	4	c	51	75	8	5	–	–	9+	9+	4000	0	3
Scilly (St. Mary's)	1018·2	0	W'S	2	c	53	95	7	8	–	8	4-6	7-8	4000	1	2
Falmouth... ...	1017·9	0	W	1	c.	52	95	8	5	–	–	9	9	4000	0	0
Plymouth... ...	1017·6	+6	—	0	c	52	95	6	5	–	–	9+	9+	4000	1	1
Portland Bill ...	1017·0	+6	W'N	3	bc	54	85	8	4	4	1	4-6	4-6	2500	1	3
Calshot, S'hampton	1016·9	+10	W'S	2	b	47	95	7	5	–	–	1	1	4000	0	1
Dungeness ...	*	*	W	3	bc	*	*	7	–	1	*	0	2-3	—	*	1
Lympne	1016·0	+10	WNW	3	b	46	95	7	–	4	1	0	Tr.	—	0	*
Guernsey	1018·4	+2	—	0	0	54	95	6	5	–	–	10	10	2500	1	3

PAST 24 HOURS.

Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 30th. Hrs. (36)
Lerwick	43	34	*	Tr.	3	1·2
Stornoway ...	46	33	*	3	–	1·5
Wick	47	33	*	8	2	*
Tiree	53	43	36	1	0·3	2·6
Nairn	47	30	*	10	–	0·0
Aberdeen	53	32	24	6	–	2·4
Malin Head ...	53	43	*	1	0·4	0·3
Renfrew	54	38	23	2	–	0·4
Inchkeith (Edin.)	55	39	33	Tr.	Tr.	3·6
Leuchars	58	27	17	2	Tr.	4·8
Eskdalemuir ...	52	31	23	5	7	1·0
Tynemouth ...	58	37	33	0·1	–	*
Blacksod Point ...	55	43	*	1	Tr.	*
Aldergrove ...	55	36	27	2	Tr.	0·0
Donaghadee ...	57	38	*	1	–	*
Birr Castle ...	55	45	41	1	0·2	0·0
Holyhead... ...	56	49	46	1	1	0·1
Liverpool (Bidston)	57	47	44	Tr.	1	1·5
Chester (Sealand)	61	47	45	Tr.	2	2·7
Harrogate... ...	57	40	37	Tr.	–	3·0
Spurn Head ...	57	42	*	0·6	–	0·7
Birmingham ...	58	46	44	0·1	0·3	2·8
Cranwell	61	41	39	–	–	4·5
Gorleston	63	47	45	–	–	3·4
Valentia Obs.† ...	56	52	50	0·1	–	4·1
Roches Point ...	58	46	*	–	Tr.	*
Pembroke... ...	56	52	*	–	–	1·7
Ross-on-Wye ...	59	50	47	–	0·1	1·5
Leafield	57	45	43	–	0·1	4·6
Cardington ...	63	48	46	Tr.	1	4·5
Winchester ...	59	45	41	–	0·1	0·9
S. Farnborough ...	63	47	38	Tr.	Tr.	3·4
London (Kew) ...	62	49	44	–	–	2·0
Croydon	62	50	46	–	Tr.	2·4
Manston	65	49	46	–	–	4·7
Shoeburyness ...	64	49	46	Tr.	–	4·5
Clacton-on-Sea ...	62	50	48	–	–	4·3
Felixstowe ...	62	51	47	–	–	3·1
Scilly (St. Mary's)	58	51	*	0·2	Tr.	3·5
Falmouth... ...	59	52	*	Tr.	–	0·7
Plymouth... ...	59	52	50	0·1	0·1	2·5
Portland Bill ...	59	53	*	–	–	*
Calshot, S'hampton	63	45	42	Tr.	Tr.	2·5
Dungeness ...	60	47	*	Tr.	Tr.	*
Lympne	61	46	44	Tr.	–	2·4
Guernsey	59	54	52	0·4	1	0·1

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon
9h—18h, Kensington.
9h—21h, other stations.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew	18	c	cbcc	cbccmy	62	49	44	—	—	2·0	•	•	6
Croydon	244	cdoc	cbcmo	bccmcbcm	62	50	46	—	Tr.	2·4			4
Greenwich (Royal Observatory) ...	149	c	cbc	cpob	64	49	40	—	Tr.	2·4	63	70	6
City (Bunhill Row)	—	•	•	•	•	•	•			2·3	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	63	50	45	—		2·4	61	71	•
Regents Pk. (Botanic Gardens) ...	168	•	•	•	•	•	•	•	•	2·9	•	•	•
Camden Square	110	c	cbc	•	60	50	42	—	—	•	•	•	•
Kensington Palace	80	cobc	bcc	•	63	50	42	—	—	•	At 18h. 75	72	•
Hampstead Observatory	450	obbc	c	•	59	46	40	Tr.	Tr.	2·2	•	87	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 31st.

South Kensington. Max.	Time.	Min.	Time.
0·6	9h. 30th.	<0·3	23h. 30th. 6h. 31st.

Kew Observatory. Max.	Time.	Min.	Time.
0·1	7h. 31st.	<0·1	0h.-6h. 31st.

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 30th October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 31st October. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1018·5	WSW	4	c	59	1019·0	W	3	rr	57
Brussels	1012·8	WSW	5	c	56	1016·0	SSW	4	dj	46
Berlin						1006·0	WSW	3	·/pr	54
Zürich	1022·3	NNW	1	bc	62	1022·3	SW	1	c	54
Rome						1023·4	SE	3	c	54

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
63	55	Tr.	0·5
59	·	2	·
·	·	·	·
57	54	—	—
	48		

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13-18	9	47-54
1	1-3	5	19-24	10	55-63
2	4-7	6	25-31	11	64-75
3	8-12	7	32-38	12	75
		8	39-46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 „
2 Fog	550 „
3 Moderate fog	1,100 „
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ „
6 Moderate „	6½ „
7 Good „	12½ „
8 Very good „	31 „
9 Excellent „	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. Simpson, C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T station.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION.
ADDITIONS & CORRECTIONS.
October, 1930.

I.—CORRECTIONS.

Date of Report.	Page.	Station.	Col. No.	Correct Entry.	Date of Report.	Page.	Station.	Col. No.	Correct Entry.	Date of Report.	Page.	Station.	Col. No.	Correct Entry.	Date of Report.	Page.	Station.	Col. No.	Correct Entry.
1st	1	Holyhead	9	1	6th	4	Cardington	32	53	3rd	4	Blacksod Pt.	34	2	12th	4	Leuchars	29	1
"	1	Spurn Head	13	3r	"	4	Portland Bill	35	7	"	4	"	36	1	"	4	"	31	55
"	1	Lerwick	26	7·8	6th	1	Wick	1	3897	"	4	Donaghadee	34	0.4	"	4	Tynemouth	35	1
"	1	Birr Castle	39	b.bc	"	1	Leuchars	12	1	"	4	Shoeburyness	35	1	"	4	Blacksod Pt.	34	3
"	1	Pembroke	27	1	"	1	Birr Castle	6	54	"	4	Falmouth	35	0.6	"	4	"	35	1
"	1	S. Farnboro	25	–	"	1	Falmouth	7	75	10th	1	Stornoway	6	PR	"	4	Croydon	29	1
"	4	Spurn Head	12	2.3	"	1	Guernsey	13	7·8	"	1	Tiree	3	W'S	13th	1	Stornoway	15	993.9
"	4	"	13	2·3	"	1	Tiree	37	bcpRq	"	1	"	4	5	"	1	Nairn	29	1
"	4	Guernsey	12	4·6	"	1	Holyhead	17	W'N	"	1	Portland	10	–	"	1	Leuchars	37	bcp
"	4	"	13	4·6	"	1	Liverpool	39	cRpr	"	1	Tiree	17	W'S	"	1	Falmouth	17	W'S
"	4	Wick	27	10	"	1	Valentia	39	bccp	"	1	"	26	2.3	"	4	Lerwick	3	SW
"	4	Stornoway	36	0.2	"	1	Pembroke	17	W	"	1	Donaghadee	16	+8	"	4	Tiree	17	SW'S
"	4	Liverpool	35	–	"	"	"	18	4	"	1	"	20	46	"	4	Nairn	15	1002·5
"	4	Chester	15	1	"	4	Calshot	10	8	"	1	"	21	55	"	4	Aberdeen	36	4·6
"	4	Pembroke	26	8	"	4	Tiree	21	75	"	1	Manston	37	cb bc	"	4	Blacksod Pt.	17	SSW
"	4	Falmouth	34	0.1	"	4	Leuchars	25	1	"	1	Scilly	17	N	"	4	"	34	1
2nd	1	Scilly	7	95	"	4	"	29	1	"	4	Wick	10	–	"	4	"	35	4
"	1	Aberdeen	39	cir.c	"	4	Eskdalemuir	18	3	"	4	"	11	6	"	4	Valentia	19	c/r
"	1	Renfrew	39	cid.m.	"	4	"	33	37	"	4	Malin Head	14	1500	"	4	Cardington	31	59
"	1	Leuchars	37	cwcid.c	"	4	"	36	2·4	"	4	Tiree	35	6	"	4	Clacton	20	45
"	1	Ross-on-Wye	40	0	"	4	Blacksod Pt.	34	4	"	4	Leuchars	26	2.3	14th	1	Tiree	13	10
"	1	Leafield	15	10273	"	4	"	35	3	"	4	"	29	1	"	1	Leuchars	22	6
"	1	"	28	4000	"	4	Croydon	31	57	"	4	Blacksod Pt.	34	–	"	1	Portland Bill	17	5
"	1	Plymouth	40	cm.r	"	4	Manston	36	0.5	"	4	"	35	3	"	4	Tiree	31	56
"	1	Portland Bill	17	ENE	"	4	Calshot	35	0.3	"	4	Aldergrove	15	1010.9	"	4	Tynemouth	25	1
"	4	Pembroke	9	5	7th	1	Aldergrove	11	3	"	4	"	22	8	"	4	Blacksod Pt.	34	8
"	4	S. Farnboro	29	1	"	1	Birr Castle	9	8	"	4	"	26	4·6	"	4	"	35	–
"	4	Falmouth	25	–	"	1	Cranwell	6	50	"	4	Donaghadee	31	52	"	4	Shoeburyness	20	53
"	4	Plymouth	28	800	"	1	Tiree	24	–	"	4	Leafield	25	–	"	4	Guernsey	15	1014·4
3rd	1	Malin Head	14	4000	"	1	Birr Castle	39	bccpr	"	4	"	34	Tr.	15th	1	Aldergrove	40	oird.
"	1	Renfrew	17	ESE	"	1	Ross-on-Wye	21	75	"	4	Kew	32	36	"	1	Calshot	26	2·3
"	1	Birr Castle	38	or.irc	"	1	"	25	3	"	4	Lympne	19	b	"	4	Pembroke	5	c
"	1	"	39	corrc	"	1	S. Farnboro	19	bc	"	4	Guernsey	21	75	"	4	Wick	20	55
"	1	"	40	co	"	1	"	27	2·3	"	4	"	32	43	"	4	"	27	9
"	1	Ross-on-Wye	25	1	"	1	Kew	20	53	"	4	"	36	8·1	"	4	Eskdalemuir	20	58
"	1	Manston	39	b	"	1	Guernsey	17	W	11th	1	Gorleston	4	3	"	4	Blacksod Pt.	16	–16
"	1	Clacton	25	4	"	1	"	18	4	"	1	Roches Pt.	5	c	"	4	"	34	5
"	1	Guernsey	19	0	"	4	Tiree	25	3	"	1	Leafield	2	+6	"	4	"	35	2
"	1	"	21	75	"	4	Inchkeith	23	–	"	1	"	6	49	"	4	Aldergrove	34	1
"	1	"	26	10	"	4	"	26	0	"	1	Nairn	26	7·8	"	4	S. Farnboro	29	1
"	1	"	27	10	"	4	"	28	–	"	1	"	27	7·8	"	4	Guernsey	33	56
"	1	"	39	oprco	"	4	Blacksod Pt.	34	2	"	1	S. Farnboro	37	bxcpr.c	16th	1	Leafield	11	–
"	4	Stornoway	6	48	"	4	"	35	1	"	1	Guernsey	15	1019·7	"	1	"	15	10052
"	4	Blacksod Pt.	6	55	"	4	Birmingham	32	43	"	4	Pembroke	5	bc	"	1	Cardington	21	85
"	4	"	34	5	"	4	Shoeburyness	20	47	"	4	Falmouth	14	4000	"	4	Inchkeith	4	2
"	4	"	35	1	"	4	"	32	44	"	4	Malin Head	32	46	"	4	"	5	0
"	4	Aldergrove	15	10276	"	4	Plymouth	32	49	"	4	Blacksod Pt.	34	4	"	4	Blacksod Pt	6	54
"	4	Spurn Head	36	Tr.	8th	1	Holyhead	11	–	"	4	"	35	1	"	4	"	16	+20
"	4	Cranwell	28	7200	"	1	Valentia	39	cr.rcp.	"	4	Holyhead	17	SW'S	"	4	"	34	5
"	4	Manston	25	1	"	1	Roches Pt.	16	-40	"	4	Chester	28	7200	"	4	"	35	3
"	4	"	26	0	"	1	Clacton	28	1500	"	4	Ross-on-Wye	17	NW	"	4	Cranwell	1	1003.6
"	4	"	27	2.3	"	1	Plymouth	37	bccr	"	4	Leafield	19	ir.	"	4	Calshot	2	+7
"	4	Plymouth	36	0.7	"	4	Lerwick	1	3964	"	4	S. Farnboro	34	Tr.	"	4	Stornoway	29	2
"	4	Calshot	16	-2	"	4	Falmouth	1	9994	"	4	Scilly	32	48	"	4	"	30	2
4th	1	Stornoway	20	51	"	4	Blacksod Pt	18	5	"	4	Portland	23	4	"	4	"	31	60
"	1	Wick	26	4·6	"	4	"	36	13	"	4	"	24	8	"	4	"	35	5
"	1	Birr Castle	39	0	"	4	Cardington	31	58	12th	1	Birr Castle	5	bc/pr	"	4	Birr Castle	19	bc
"	1	Cranwell	25	5	9th	1	Tiree	1	9848	"	1	"	13	2·3	"	4	"	27	2·3
"	1	Winchester	15	10242	"	1	"	4	7	"	1	chester	1	10056	"	4	Holyhead	16	+22
"	1	Plymouth	39	Cm.r	"	1	Eskdalemuir	3	N	"	1	"	11	1	17th	1	Eskdalemuir	2	+10
"	4	Inchkeith	19	m.	"	1	Leafield	12	4·6	"	1	Birmingham	13	23	"	1	Stornoway	20	53
"	4	Pembroke	17	W	"	1	"	13	7·8	"	1	"	5	bc	"	1	Inchkeith	37	cbc
"	4	"	18	2	"	1	Kew	8	8	"	1	Croydon	3	SE	"	1	"	40	or.r.cbc
"	4	Ross-on-Wye	36	3.1	"	1	Falmouth	1	9968	"	1	Leuchars	16	-22	"	1	Kew	29	1
"	4	Dungeness	36	0.3	"	1	Eskdalemuir	17	N'W	"	1	"	27	7·8	"	1	Blacksod Pt	2	+18
5th	1	Tiree	39	ORRcpr	"	1	Tynemouth	20	50	"	1	Holyhead	23	5	"	4	"	34	8
"	1	Blacksod Pt.	26	9	"	1	Donaghadee	16	+40	"	1	"	24	–	"	4	"	35	0·3
"	1	"	27	9	"	1	"	30	3	"	1	Chester	21	51	"	4	Birr Castle	15	10042
"	1	Valentia	40	bccpc	"	1	Gorleston	18	6	"	1	Gorleston	40	bc,c, pr	"	4	Spurn Head	31	64
"	1	Leafield	40	cbcc	"	1	Valentia	19	bc	"	1	Roches Pt.	30	4	"	4	"	32	53
"	4	Wick	17	WNW	"	1	Kew	22	7	"	1	Winchester	29	0	"	4	Leafield	31	63
"	4	Inchkeith	32	50	"	1	Winchester	38	ccjp pro	"	1	Guernsey	26	4·6	18th	1	Leuchars	1	1007.1
"	4	"	33	47	"	1	Guernsey	21	85	"	4	"	14	2500	"	1	"	38	crrcmc
"	4	Eskdalemuir	15	997.1	"	1	Lympne	40	bcd.m.	"	4	Tiree	17	WN	"	1	Aldergrove	37	cm.crrc
"	4	"	32	45	"	4	Nairn	34	12	"	4	Renfrew	18	4	"	1	Birr Castle	19	bc/p.
"	4	Blacksod Pt.	34	27	"	4	Eskdalemuir	36	02	"	4	Inchkeith	21	76	"	1	Birmingham	28	800
"	4	"	35	02	"	4	Blacksod Pt.	15	10099	"	4	"	32	45	"	1	Clacton	21	85

Date of Report.	Page.	Station.	Col. No.	Correct Entry.
18th	1	Leafield	39	cPRbc
"	1	"	40	bc
"	1	Plymouth	39	cbq
"	1	Calshot	19	b
"	1	Guernsey	28	2500
"	4	Pembroke	5	bc
"	4	Lerwick	26	4·6
"	4	Blacksod	34	2
"	4	"	36	6
"	4	Gorleston	31	62
"	4	Valentia	32	48
"	4	Shoeburyness	21	85
"	4	Lympne	27	2·3
"	4	Guernsey	35	2
19th	1	Renfrew	39	cpr. cbcb
"	1	Aldergrove	15	10054
"	1	S. Farnboro	39	bc
"	1	"	40	bW
"	1	Plymouth	38	bcbpr.
"	4	Lerwick	12	0
"	4	"	14	–
"	4	Pembroke	5	bc
"	4	"	12	2·3
"	4	"	13	2·3
"	4	Lerwick	31	53
"	4	Tiree	34	3
"	4	Blacksod Pt	34	–
"	4	"	35	1
"	4	S. Farnboro	25	1
"	4	Guernsey	15	1014·0
"	4	"	21	85
"	4	Roches Pt	14	800
"	1	Winchester	7	75
"	1	S. Farnboro	2	-32
"	1	Scilly	5	c
"	1	"	13	7·8
"	1	Birr Castle	37	coirq
"	1	Cranwell	37	fecm.
"	1	"	39	cbccw
"	1	Leafield	19	bc
"	1	Clacton	29	1
"	1	Falmouth	18	8
"	1	Calshot	38	bc
"	1	"	40	c, orrbcb
"	4	Lerwick	2	8
"	4	Malin	35	05
"	4	Leafield	33	39
"	4	Kew	15	1004.1
21st	1	Malin	4	5
"	1	Liverpool	5	bc
"	1	"	12	4·6
"	1	"	13	4·6
"	1	Birr Castle	38	c, bc, c
"	1	Leafield	15	10058
"	1	Ross-on-Wye	37	bccipt
"	1	"	38	irtcb
"	4	Tiree	36	4·0
"	4	Eskdalemuir	15	9961
"	4	Blacksod Pt	34	2
"	4	"	35	6
"	4	Donaghadee	22	7
"	4	Harrogate	19	bc
"	4	"	27	4·6
"	4	Shoeburyness	33	37
"	4	Guernsey	21	75
22nd	1	Blacksod Pt	14	x150
"	1	Birmingham	4	3
"	1	Gorleston	3	SW
"	1	Cardington	8	8
"	1	Lerwick	26	2·3
"	1	"	28	1500
"	1	Leuchars	37	bcwc c.c
"	1	Holyhead	37	r.c
"	1	"	38	PRqc
"	1	Eskdalemuir	40	bcbx
"	1	Cranwell	37	bm.c
"	1	Roches Pt	38	cpc

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AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION.
ADDITIONS & CORRECTIONS.
October, 1930.

I.—CORRECTIONS.

Date of Report.	Page.	Station.	Col. No.	Correct Entry.
22nd	4	Wick	16	+16
"	4	"	19	bc
"	4	"	26	4-6
"	4	Blacksod Pt	34	05
"	4	"	35	1
"	4	Birr Castle	33	43
"	4	"	36	3.9
"	4	Ross-on-Wye	29	1
"	4	Kew	35	Tr.
"	4	Guernsey	34	2
23rd	1	Calshot	7	65
"	1	"	11	—
"	1	"	12	9.
"	1	Renfrew	39	oddm₀
"	1	Birr Castle	40	orrc
"	1	Winchester	39	bcbccorr
"	4	Lerwick	20	48
"	4	"	21	75
"	4	Tiree	17	NW'W
"	4	Renfrew	29	1
"	4	"	36	4.0
"	4	Blacksod Pt	34	13
"	4	"	35	1
"	4	Pembroke	30	3
"	4	Kew	29	1
"	4	Guernsey	15	10034
24th	1	Tiree	11	9
"	1	Calshot	1	10054
"	1	Wick	21	95
"	1	"	25	8
"	1	Eskdalemuir	38	cq bc
"	1	"	39	bc pr₀ b
"	1	Chester	19	c/r₀
"	1	Valentia	15	1009.5
"	1	"	29	1
"	1	Clacton	26	7.8
"	1	"	27	7.8
"	1	Calshot	17	W'N
"	4	Renfrew	36	4.0
"	4	Leuchars	33	*
"	4	Eskdalemuir	31	50
"	4	Blacksod Pt	34	0.2
"	4	"	35	3
"	4	Gorleston	20	43
"	4	Roches Pt	15	1007.9
"	4	Cardington	16	+2
25th	1	Tynemouth	7	65
"	1	Falmouth	8	8
"	1	Calshot	1	1004.1
"	1	Lympne	6	53
"	1	Eskdalemuir	40	bcb
"	1	Aldergrove	39	cprh bc
"	1	Donaghadee	26	4.6
"	1	Harrogate	21	85
"	1	Roches Pt	37	bcq cir
"	1	Leafield	21	85
"	1	S. Farnboro	40	b,c pr bc
"	1	Clacton	29	1
25th	4	Lerwick	27	7.8
29th	1	Birr Castle	13	c/d₀
"	1	Cranwell	19	m
"	1	Clacton	19	u
"	4	Lerwick	2	+2
"	4	Guernsey	1	1016.1
"	4	Aldergrove	19	d₀ d₀
"	4	Donaghadee	31	53
"	4	Roches Pt	28	800
"	4	Leafield	24	7
"	4	S. Farnboro	16	+8
"	4	Kew	32	52
"	4	Calshot	16	1014.4
30th	1	Renfrew	6	54
"	1	"	10	2
"	1	Tynemouth	5	o/d₀
"	1	"	12	10
"	1	Wick	26	4-6
"	1	Holyhead	38	ir m₀
"	1	Leafield	38	cpr₀
"	1	Scilly	23	0
"	4	Lerwick	17	N
"	4	Blacksod Pt	20	55
"	4	Holyhead	31	56
"	4	"	32	55
"	4	Harrogate	36	1
"	4	Winchester	15	10122
31st	1	Plymouth	4	5
"	1	Harrogate	15	10056
"	1	S. Farnboro	17	WSW
"	1	Falmouth	19	C
"	1	Lympne	27	3
"	4	Scilly	11	8
"	4	Portland	4	5
"	4	Lerwick	15	1007.0
"	4	Wick	27	3
"	4	Tiree	16	+14
"	4	Aberdeen	36	2.3
"	4	Leuchars	36	4.8
"	4	Eskdalemuir	35	Tr.
"	4	Aldergrove	36	0.0
"	4	Leafield	17	N'E
"	4	S. Farnboro	16	+14
"	4	Manston	36	4.2
"	4	Shoeburyness	34	Tr.
"	4	Lympne	33	40

Date of Report.	Page.	Station.	Col. No.	Correct Entry.
29th	1	Valentia	2	-4
"	1	"	5	0/5
"	1	S. Farnboro	12	9
"	1	Nairn	21	85
29th	1	Valentia	13	c/d₀
"	1	Cranwell	19	m
"	1	Clacton	19	u
"	4	Lerwick	2	+2
"	4	Guernsey	1	1016.1
"	4	Aldergrove	19	d₀ d₀
"	4	Donaghadee	31	53
"	4	Roches Pt	28	800
"	4	Leafield	24	7
"	4	S. Farnboro	16	+8
"	4	Kew	32	52
"	4	Calshot	16	1014.4
30th	1	Renfrew	6	54
"	1	"	10	2
"	1	Tynemouth	5	o/d₀
"	1	"	12	10
"	1	Wick	26	4-6
"	1	Holyhead	38	ir m₀
"	1	Leafield	38	cpr₀
"	1	Scilly	23	0
"	4	Lerwick	17	N
"	4	Blacksod Pt	20	55
"	4	Holyhead	31	56
"	4	"	32	55
"	4	Harrogate	36	1
"	4	Winchester	15	10122
31st	1	Plymouth	4	5
"	1	Harrogate	15	10056
"	1	S. Farnboro	17	WSW
"	1	Falmouth	19	C
"	1	Lympne	27	3
"	4	Scilly	11	8
"	4	Portland	4	5
"	4	Lerwick	15	1007.0
"	4	Wick	27	3
"	4	Tiree	16	+14
"	4	Aberdeen	36	2.3
"	4	Leuchars	36	4.8
"	4	Eskdalemuir	35	Tr.
"	4	Aldergrove	36	0.0
"	4	Leafield	17	N'E
"	4	S. Farnboro	16	+14
"	4	Manston	36	4.2
"	4	Shoeburyness	34	Tr.
"	4	Lympne	33	40
8th	2	Berwick-on-Tweed	13	c/d₀
9th	2	Southend	19	m
"	2	Eastbourne	"	u
14th	2	Mablethorpe	2	+2
"	2	Aberystwyth	1	1016.1
15th	2	Bude	19	d₀ d₀
"	2	Folkestone	31	53
17th	2	Skegness	28	800
18th	2	"	24	7
"	2	Maldon	16	+8
"	2	Worthing	32	52
19th	2	Bath	16	1014.4
20th	2	Berwick-on-Tweed	6	54
"	2	Wallasey	10	2
21st	2	Bude	5	o/d₀
"	2	Deal	12	10
22nd	2	Aberystwyth	26	4-6
"	2	Dovercourt	38	ir m₀
"	2	Dover	38	cpr₀
24th	2	Rhyl	23	0
25th	2	Ventnor	17	N
27th	2	Morecambe	20	55
28th	2	Bude	31	56
"	2	Hastings	32	55
29th	2	Skegness	36	1
30th	2	Morecambe	15	10122
31st	2	Leamington Spa	4	5
"	2	Deal	15	10056

Health Resorts. Correct Entry.

8th	2	Berwick-on-Tweed	pc: bcc
9th	2	Southend	Min. 51.
"	2	Eastbourne	o: ocpqc
14th	2	Mablethorpe	cwbc: cbcc
"	2	Aberystwyth	Day rain Trace.
15th	2	Bude	cbc: cor.
"	2	Folkestone	Min. 53
17th	2	Skegness	Sun. 16th ?
18th	2	"	" " ?
"	2	Maldon	Min. 48
"	2	Worthing	cr: cbcbc
19th	2	Bath	Sun. 18th 6.6
20th	2	Berwick-on-Tweed	Max. 53
"	2	Wallasey	Max. 62
21st	2	Bude	Max. 55
"	2	Deal	Max. 58
22nd	2	Aberystwyth	Min. 45
"	2	Dovercourt	Max 52
"	2	Dover	Min 48
24th	2	Rhyl	Min. 47
25th	2	Ventnor	Sun. 24th 6.5
27th	2	Morecambe	b: b: 43: 50: —: —: 8.3
28th	2	Bude	Min 46.
"	2	Hastings	Sun. 27th 1.2
29th	2	Skegness	Max ?, Sun. 28th ?
30th	2	Morecambe	Day rain. 21.
31st	2	Leamington Spa	Min 52.
"	2	Deal	Sun. 30th 2.5

London Observations.

3rd	4	Westminster	62: 51: 47: —: —: 68%: 70%
5th	4	Regents Pk	Sun. 2.0
6th	4	" "	" 0.0
7th	4	" "	" 4.8
12th	4	City	" 4.2 (Rain. Sun.)
"	4	Westminster	60: 47: 40: 0.4: 3.5: 65%: 77%
"	4	Camden Sq	cbc: c: 61: 48: +: —: —: 80%
"	4	Hampstead	Sun. 3.7
"	4	S. Kensington	Atmospheric Pollution: Record defective.
13th	4	Regents Pk.	Sun. 5.6
14th	4	Hampstead	" 4.5
16th	4	Regents Pk	" 0.8
17th	4	" "	" 4.8
19th	4	Westminster	63: 47: 42 :—: —: 54%: 63%
"	"	Regents Pk.	Sun. 7.1
21st	4	Greenwich	b: bcd: cbwx: 59: 40: 27: 0.3: Tr: 5.6: 76%: 73%.
23rd	4	Regents Pk.	Sun. 2.9
24th	4	" "	" 0.0
29th	4	Greenwich	Day rain 0.3.

II.—ADDITIONS.

Stations.	Date of Report.	Obsn. Date.	Obsn. Hour.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force. 0-12	Weather.	Temp. °F.	Humid. %	Visibility. 0-9	Cloud. Form. Low.	Cloud. Form. Med.	Cloud. Form. High.	Cloud. Amount. Low. 0-10	Cloud. Amount. Total 0-10	Height of Base (feet)	State of Ground. 0-9	Sea. 0-9	Temperature. Max. Day 7h-18h °F.	Temperature. Min. Night. 18h-7h °F.	Temperature. Min. on Grass °F.	Rainfall. Day 7h-18h mm.	Rainfall. Night 18h-7h mm.	Sunshine. Hrs.	Weather. 7h-13h	Weather. 13h-18h	Weather. 18h-1h	Weather. 1h-7h
Renfrew	9th	8th	18h	9936	+54	NW	3	C	48	75	7	6	-	-	9	9	2500	1	"	49			6				C		
Tiree	20th	19th	18h	9887	+20	SW	4	rr	48	95	7	6	-	-	10	10	1500	1	3								ORR		
"	"	20th	7h	9888	0	SW	5	C	48	85	8	8	-	3	7.8	7.8	2500	1	3	54	45	41	14	9	0.0			c,c,CK bc	pr R
Blacksod	"	19th	18h	9898	+16	W	6	bc	49	65	8	8	-	-	4.6	4.6	1500	1	4								prqc		
"	"	20th	1h	9918	+8	W	6	bc	48	75	6	8	-	-	4.6	4.6	800	"	"									prqc	
"	"	"	7h	9940	+18	W	6	bc	47	75	8	8	-	-	4.6	4.6	800	1	4	56	46	"	3	3	"				prqc
"	21st	20th	13h	9970	+12	W	6	C	52	65	8	8	-	-	7.8	7.8	800	"	"							prqc			
"	"	"	18h	9978	0	W	5	pr	47	86	7	3	-	-	10	10	800	1	5				2				prq		
Tiree	24th	24th	7h	9942	-8	WS	6	c/pr	47	65	7	3	4	3	7.8	7.8	1500	1	4	51	42	37		3	2.5			bcPHR	PHRq
Blacksod	25th	24th	13h	10025	-2	WNW	7	C	49	65	8	9	-	-	9	9	220	"	"							prqc			