M.O FORM 2373

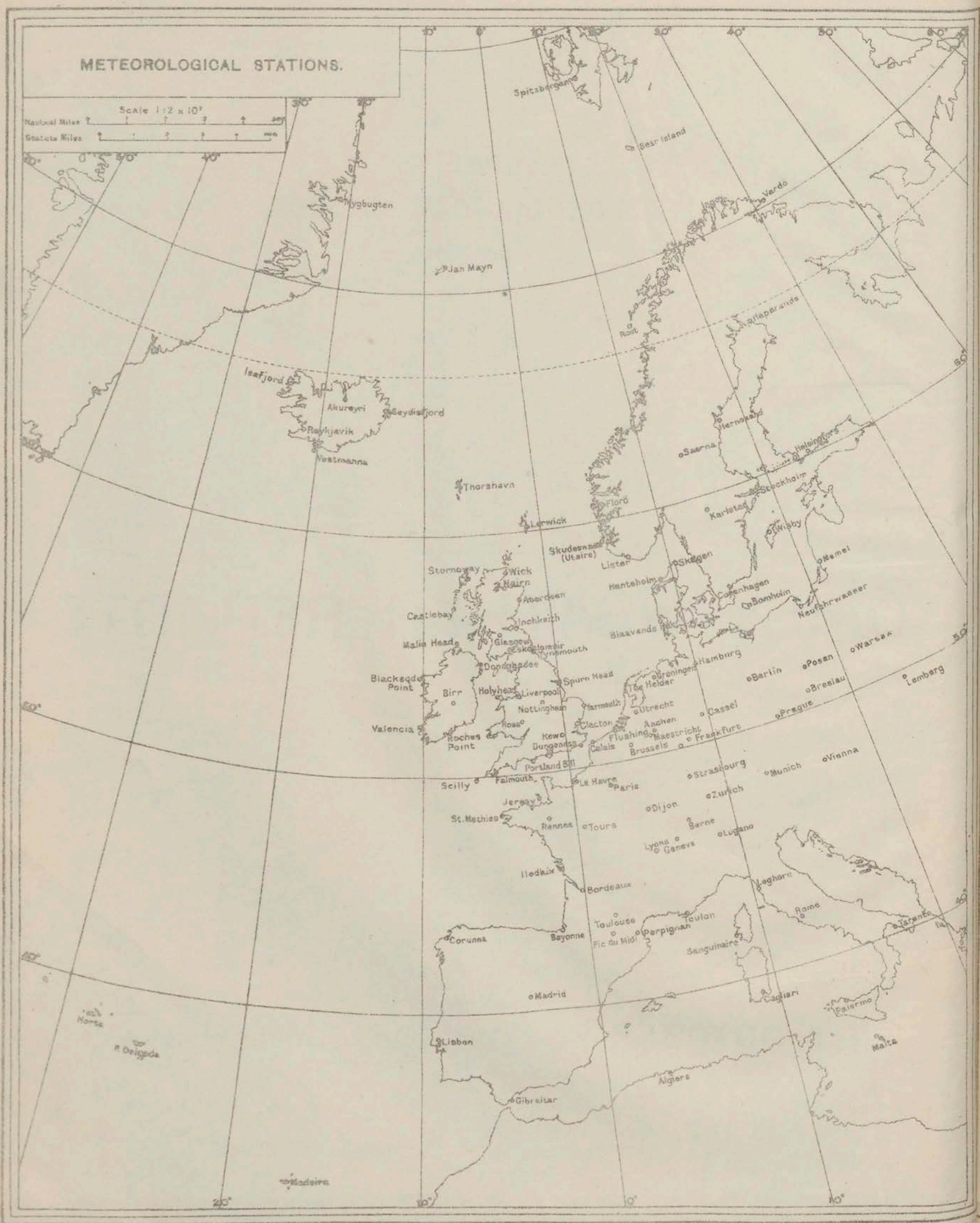
AIR MINISTRY.

METEOROLOGICAL OFFICE.

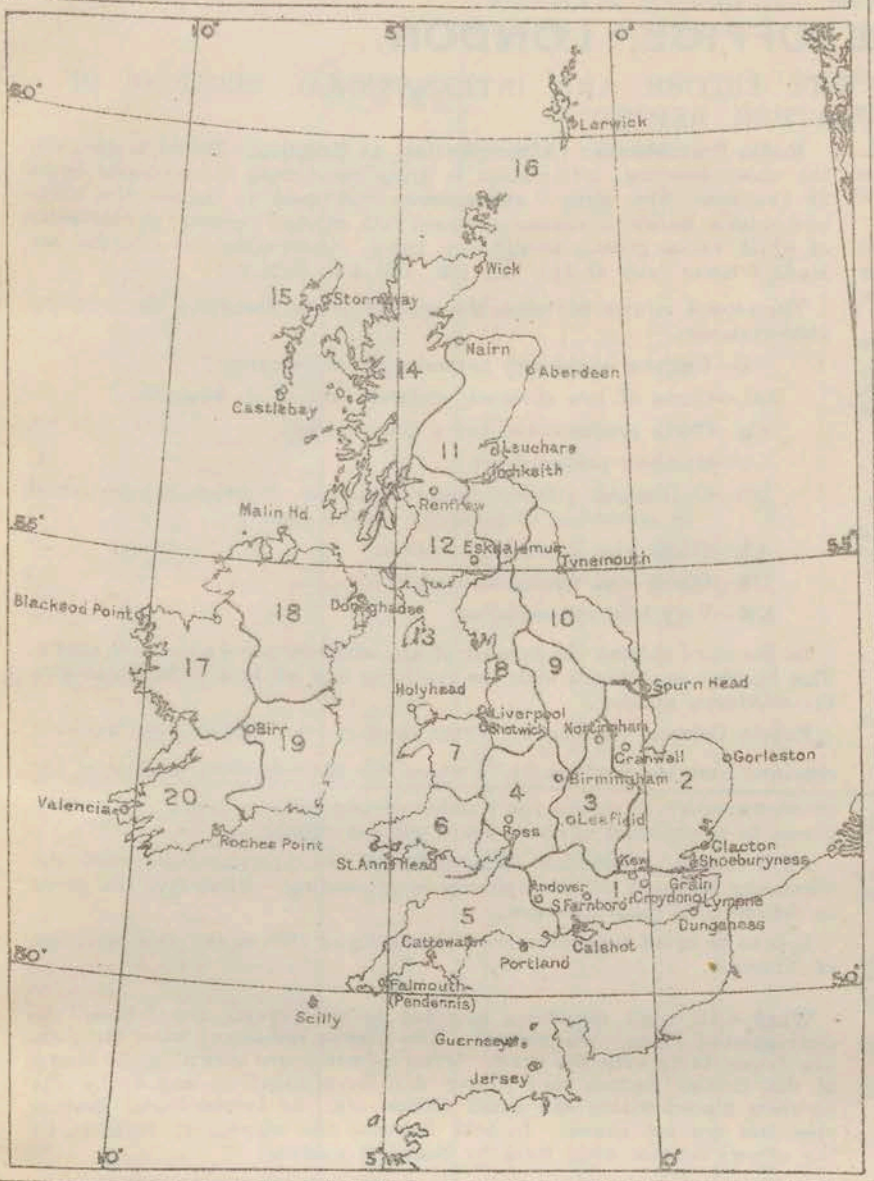
LONDON.

DAILY WEATHER REPORTS

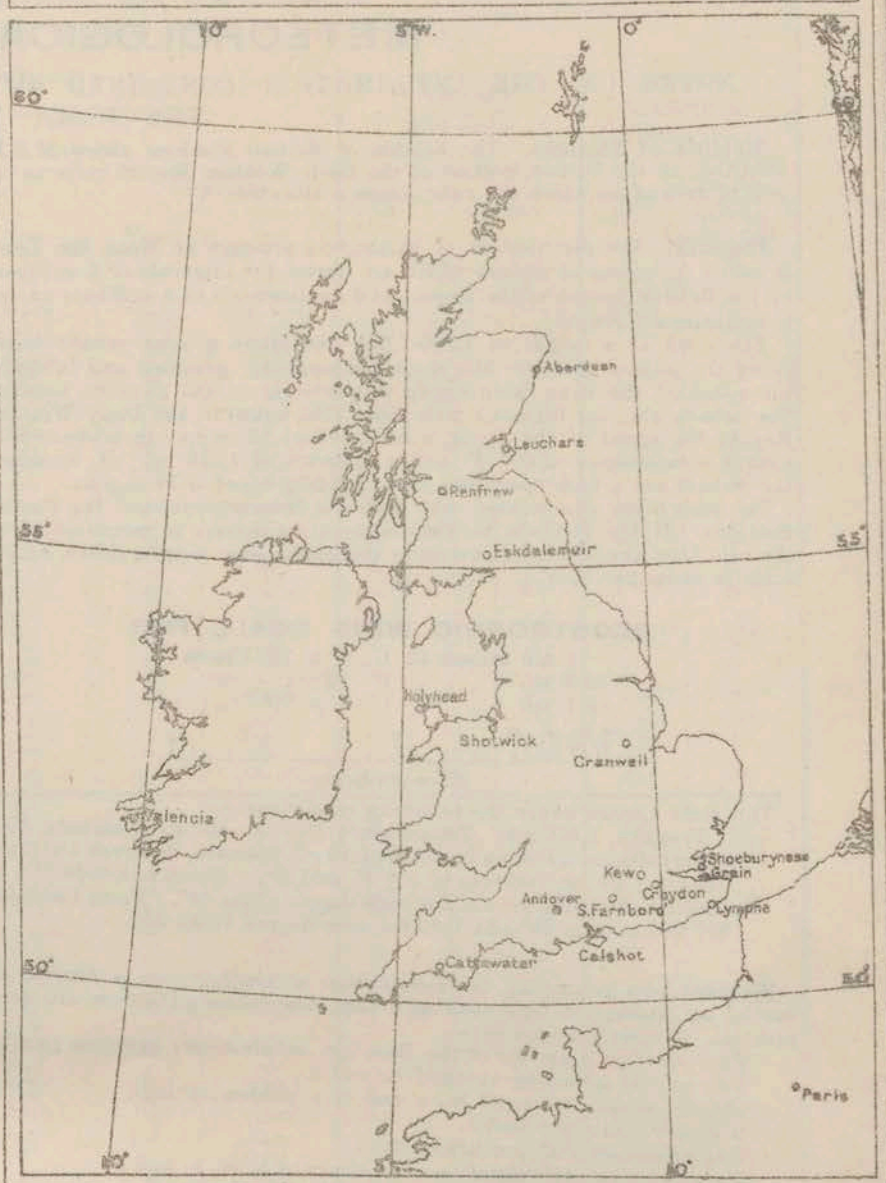
1ST. OCTOBER TO 31ST. DECEMBER, 1923.

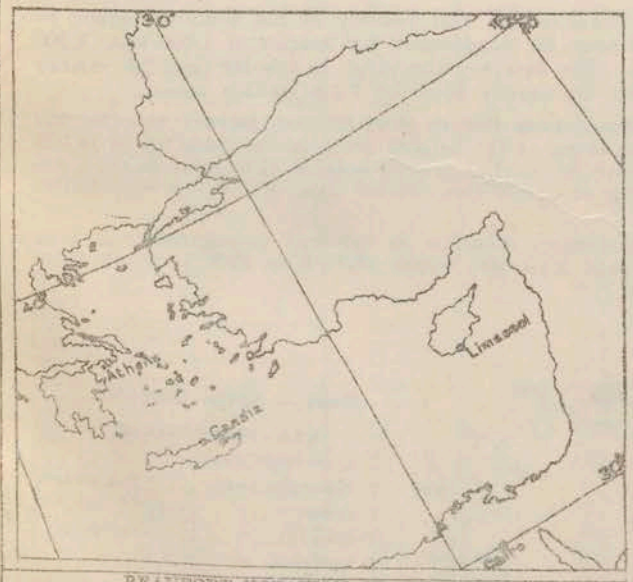

METEOROLOGICAL STATIONS.
Scale 1:2 x 10⁷
Nautical Miles
Statute Miles
Spitzbergen
Cape Sesr Island
Vardo
Mygbugten
Jan Mayn
Röst
Grisparaiden
Isafjord
Akureyri
Seydisfjord
Reykjavik
Vestmanna
Thorshavn
Vernoesund
Helsingfors
Saarna
Stockholm
Karlstad
Wisby
Lerwick
Florö
Skudesnaes (Utsire)
Lister
Skagen
Kamel
Stornoway
Wick
Nairn
Aberdeen
Hanteholm
Copenhagen
Bornholm
Neufahrwasser
Castlebay
Inchkeith
Malin Head
Glasgow
Skeldomir
Tynemouth
Donaghadee
Blaavands
Hamburg
Warsaw
Posen
Berlin
Lemberg
Blackcodo Point
Spurn Head
Groningen
Helder
Birr
Holyhead
Liverpool
Breslau
Nottingham
Harmouth
Utrecht
Cassel
Prague
Valencia
Roches Point
Rose
Clacton
Aachen
Flushing
Maestricht
Frankfurt
Kewo
Dungeness
Calais
Brussels
Portland Bill
Falmouth
Scilly
Le Havre
Paris
Strasbourg
Munich
Vienna
Jersey
Zurich
St. Mathieu
Rennes
Tours
Dijon
Berne
Lugano
Lyons
Geneva
Ile d'Aix
Bordeaux
Leghorn
Rome
Toulouse
Toulon
Tarento
Corunna
Bayonne
Pic du Midi
Perpignan
Sanguinaire
Madrid
Cagliari
Palermo
Horta
P. Delgada
Lisbon
Malta
Algiers
Gibraltar
Madeira

FORECAST DISTRICTS AND BRITISH STATIONS.



STATIONS USED FOR UPPER AIR SUPPLEMENT.





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 rises 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 wind	Raises dust and loose paper ; small branches are moved ..	13-18
5	Fresh wind ..	Small trees in leaf begin to sway ; crested wavelets on inland waters	19-24
6	Strong wind ..	Large branches in motion ; whistling heard in telegraph wires	25-31
7	High wind ..	Whole trees in motion ; inconvenience felt when walking against wind	32-38
8	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	.. .. ..	Very rarely experienced ; accompanied by widespread damage	64-75
12	Hurricane ..	.. ..	Above 75

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
p precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

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 ; i = intermittent ; — = "decreasing" ; + = "increasing" ; h(r) = "hail" or "rain and hail" ;

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

R = heavy rain.
rr = continuous moderate rain.
$r_o r_o$ = continuous light rain.

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 *South Cone* (point downwards) is hoisted for gales from S.E., veering to S.W., W. or N.W.
" S.W., veering to W. or N.W.
" W., veering to N.W.
" E., veering to S. or S.W.

The *North Cone* (point upwards) is hoisted for gales from S.E., E. or N.E., backing to N.
" N.W., veering to N., N.E. or E.
" N., veering to N.E. or E.
" N.E., veering to E.

The Signals remain hoisted after the receipt of a warning telegram until danger of a gale is passed.

The Districts to which warnings are sent are shown in the British Section of the Daily Weather Report by the following symbols :—

▼ South Cone hoisted
▲ North " "

AIR MINISTRY.

METEOROLOGICAL OFFICE, LONDON.

NOTES ON THE INFORMATION CONTAINED IN THE BRITISH AND INTERNATIONAL SECTIONS OF THE DAILY WEATHER REPORT.

Heights of Stations.—The heights of British Stations above M.S.L. published in the British Section of the Daily Weather Report refer to the plot of ground on which the rain gauge is situated.

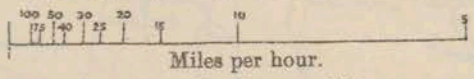
Pressure.—The distribution of barometric pressure at Mean Sea Level is shown by means of isobars which are drawn for intervals of 2 millibars on the British Section of the Report and for intervals of 4 millibars on the International Section.

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 (160 miles) in the Daily Weather Report 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 with both the International and the British Sections. 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

4 mb isobars on $1 : 2 \times 10^7$ Charts.
or 2 mb " " $1 : 10^7$ "
or 1 mb " " $1 : 5 \times 10^6$ "



Miles per hour.

This scale applies under the following conditions:—

Pressure, 1,015 mb. Temperature, 283° A=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°.

Weather.—In describing the distribution of weather over a district or during an interval of time such as a day, descriptive adjectives are used with the following meanings:—

Fine—mainly b and bc of the Beaufort notation (*see* previous page).
Fair or fair generally—mainly bc and c.
Cloudy—combinations of bc, c and o, c predominating.
Overcast—mainly c and o.
Dull—overcast with low heavy cloud.
Varying or variable cloud—combinations of b, bc, c, and o.
Precipitation when occurring is specifically mentioned.

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

Maximum and Minimum Temperatures entered in the British Section for Liverpool (Bidston) since 1st March, 1921 have been for the 22 hour period commencing at 9 a.m. the previous day.

Upper Air Temperature.—The British observations are made normally, one at 1,000 feet above the level of the aerodrome, and the remainder at *pressures* of 950, 900, 850, 800, etc., millibars. Heights are then computed and, apart from instrumental error, are correct heights: they do not require modification for differences of temperature from normal as these are allowed for in the computation. The values are shown graphically and in tabular form in the Upper Air Supplement. On the diagram, temperatures are given in degrees Fahrenheit and Absolute. The lines marked "Anti-cyclonic," "Cyclonic," "Summer," and "Winter," indicate the normal fall of temperature with pressure under the conditions indicated. The oblique line marked "Adiabatic" shows the lapse rate of temperature for dry air ascending or descending under adiabatic conditions, i.e., without communication of heat from external sources. The lapse rate under these circumstances is very approximately 5·5° F. per 1,000 feet, or 10a per kilometre. A lapse rate greater than this value indicates instability of the atmosphere.

Times of Sunrise, Noon and Sunset.—In compiling the table of Greenwich times of sunrise and sunset for selected stations in the British Section of the Daily Weather Report the mean declination of the sun for noon of each day is taken. No account is taken of the variation in declination on any given day as between leap year and the three following years, the same figures being repeated from year to year without change.

Radio Disturbances (Atmospherics) at Croydon.—In the table under the above heading, information is given concerning atmospherics heard at Croydon. The term "atmospherics" is used to denote the clicks and crashes which are commonly heard in a wireless receiver, the intensity of which varies greatly at different times. Observations at Croydon are made 4 times daily at 1h., 7h., 13h. and 18h. G.M.T.

The second column indicates the type of sound heard, by the following abbreviations:—

C—Uniform clicks and normal quiet distribution.
C_1C_2—Clicks of two obviously different orders of intensity.
Cg—Clicks predominant but a few grinders.
G—Grinders predominant.
GG—Continuous grinders whose minimum direction can be found by estimation of intensity without counting.
Ck—Clicks with a few loud crashes.
CK—Clicks with numerous crashes.
KK—Very loud atmospherics.

In the third column the number of atmospherics per 4 seconds is shown. This number is obtained with the receiving coil set in a direction to give the maximum number.

Fourth Column. Strength. From January 1st, 1923, strength has been obtained from the formula $S = \frac{10}{r}$ where r is the resistance in ohms of the shunt necessary to reduce the number of atmospherics heard in the telephone to one quarter of those heard without shunt.

Fifth column. Direction. This indicates the direction from which the maximum intensity of atmospherics is proceeding. Directions are given in degrees (*see* diagram below).

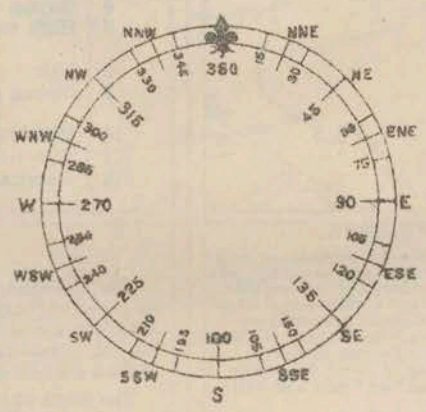
It is to be noted that there is an ambiguity of 180° in the determination of direction.

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. Wind velocities are shown on the charts of the British Section and Upper Air Supplement in m.p.h. by the numbers placed within the small circles. In the International Section velocities are not shown. In both Sections the number of feathers on the arrows denotes wind force by Beaufort number.

Upper Winds.—The direction and velocity of the wind are given in the charts of the Upper Air Supplement for heights of 1,000 feet, 3,000 feet, and 6,000 feet. The data are also given in tabular form for various heights. The reports are usually based on Pilot Balloon ascents.

Wind reports deduced from British Pilot Balloon Ascents refer to the 1,000 feet layers centering at the heights given in the table up to 16,000 feet. When winds are reported at greater heights, they refer to the 5,000 feet layers centering at 20,000 feet, 25,000 feet, 30,000 feet and 35,000 feet.

In the tabular statement direction is specified in degrees from true north measured through East 90°, South 180°, West 270° to North 360°. (*See* diagram below.)



Note.—Ships' Reports.

SEA DISTURBANCE.

0 No or slight swell.
1. Moderate swell.
2. Heavy "
3. Long low "
4. Confused "
} and } Sea smooth to moderate.

5. No or slight swell.
6. Moderate "
7. Heavy "
8. Long low "
9. Confused "
} and } Sea, rough or above.

DAILY WEATHER REPORT. APPENDIX I.

NORMAL VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE.

FOURTH QUARTER, OCTOBER TO DECEMBER.

(Issued as a Supplement to the Daily Weather Report of October 1st.)

STATIONS.	PRESSURE 1906–1915. 7 a.m. Observations (reduced to M.S. Level).	AIR TEMPERATURE. Means of 1906–1915. Dry Bulb 7 a.m.	Means of 1881–1915. Daily Maximum.	Means of 1881–1915. Daily Minimum.	Absolute Extremes 1881–1915. Maximum. Temp.	Maximum. Year.	Minimum. Temp.	Minimum. Year.	RAINFALL 1881–1915. Days with Rain.	Total Fall.		BRIGHT SUNSHINE. 1881–1915. Daily Mean.	Per Centage of Possible Duration.
	mb.	°F.	°F.	°F.	°F.		°F.			mm.	in.	hr.	%
OCTOBER.													
Lerwick	1011·2	47·3	50·1	42·3	63	1908	28	1887	24	100	3·95	—	—
Stornoway	1010·0	47·1	52·2	41·2	70	1898	27	1892	23	132	5·18	2·77	28
Castlebay (Barra Isd.)	[1011·6]§	[50·5]§	[53·6]§	[47·7]§	[63]§	[1908]§	[34]§	[1909, 1913]§	[20]§	[86]§	[3·39]§	[2·55]§	[25]§
Eskdalemuir	[1014·4]¶	[42·4]¶	[51·5]‖	[38·5]‖	[65]‖	[1910]‖	[19]‖	[1911]‖	[15]‖	[100]‖	[3·93]‖	[2·39]‖	[23]‖
Malin Head	1009·3	49·3	[53·2]*	[45·6]*	[73]*	[1908]*	[32]*	[1892]*	[20]*	[75]*	[2·95]*	—	—
Blacksod Point	1009·4	51·0	[54·7]*	[46·0]*	[71]*	[1908]*	[29]*	[1905]*	[23]*	[127]*	[4·99]*	—	—
Valencia	1010·2	51·2	56·4	46·6	71	1908	28	1892	22	142	5·57	3·26	31
Roche's Point	1011·2	51·0	56·2	46·4	65	1884, 86, 1914, 15	32	1881	19	104	4·09	—	—
Birr Castle	1010·7	46·8	55·0	40·7	74	1908	22	1905	18	74	2·91	3·16	30
Donaghadee	1011·3	49·2	54·3	44·3	66	1898	21	1892	18	73	2·88	—	—
Liverpool (Observatory)	1012·5	47·9	54·1	44·8	73	1908	27	1895	18	83	3·27	[2·81]§	[27]§
Holyhead	1011·5	51·3	55·1	46·9	75	1908	32	1892	19	101	3·99	[2·87]**	[28]**
Pembroke (St. Ann's Hd.)	1011·4	51·6	55·6	48·1	67	1908	33	1895	19	106	4·19	3·29	31
Scilly (St. Mary's)	1011·3	53·2	57·5	50·1	69	1895	38	1895, 1896	21	93	3·66	3·81	36
Falmouth	1012·5	51·0	56·3	47·7	67	1895	33	1895	21	126	4·96	3·74	35
Jersey (St. Aubin's)	1013·3	53·4	59·0	49·1	76	1908	33	1887	20	116	4·55	4·06	38
Portland Bill	1012·2	53·8	56·9	48·8	[67]†	[1908]†	[35]†	[1905, 1908]†	17	94	3·68	—	—
Dungeness	1013·2	52·1	57·4	46·0	70	1886, 1908	23	1890	17	89	3·52	—	—
Dover	[1015·5]§	[50·7]§	[57·5]§	[46·6]§	[74]§	[1908]§	[30]§	[1909]§	[18]§	[106]§	[4·18]§	[3·81]§	[36]§
Wick	1011·0	47·0	52·2	41·0	73	1898	22	1885	21	75	2·96	—	—
Nairn	1010·9	44·2	53·1	39·0	76	1908	19	1896	19	60	2·35	[3·29]∔	[33]∔
Aberdeen	1012·2	46·6	52·8	41·7	74	1883	25	1880	20	76	3·00	3·06	30
Leith	1011·9	47·7	54·8	42·1	75	1908	25	1894	17	61	2·41	—	—
Tynemouth	1012·6	47·9	54·1	42·4	77	1908	27	1890, 92, 95, 1909	17	76	3·01	—	—
Spurn Head	1012·8	50·7	54·6	45·9	70	1900	33	1887, 1895	17	61	2·40	[2·68]**	[26]**
Yarmouth	1013·6	50·6	55·2	45·3	74	1900, 1908	27	1895	18	74	2·93	[3·35]§	[32]§
Clacton-on-Sea	1013·7	51·0	55·7	45·7	[71]‡	[1908]‡	[29]‡	[1905]‡	14	49	1·91	3·61	35
Nottingham	1013·3	46·6	55·3	41·7	78	1908	20	1890	19	63	2·49	2·68	26
LONDON (Kew Obsy.)	1013·9	48·5	56·2	43·5	77	1886	25	1881, 1895	17	69	2·70	2·97	28
NOVEMBER.													
Lerwick	1005·3	42·3	46·2	38·9	58	1901	24	1912	25	108	4·25	—	—
Stornoway	1007·2	42·1	47·6	38·0	58	1897, 1901, 02	21	1912	24	148	5·83	1·43	19
Castlebay (Barra Isd.)	[1007·8]§	[45·4	[48·5]§	41·6]§	56]§	1914]§	[28]§	1912]§	[24]§	[101]§	[3·96]§	[1·57]§	[20]§
Eskdalemuir	[1009·4]¶	[37·6]¶	[43·2]‖	32·1]‖	54]‖	1914]‖	[6]‖	[1912]‖	[20]‖	154]‖	[6·05]‖	2·03]‖	[25]‖
Malin Head	1008·4	44·6	[48·6]*	41·7]*	59]*	[1894, 99, 1906]*	[30]*	[1909, 1912]*	[21]*	[83]*	[3·28]*	—	—
Blacksod Point	1010·3	46·1	[50·2]*	42·0]*	60]*	[1897, 1899]*	[26]*	[1890]*	[24]*	[132]*	[5·21]*	—	—
Valencia	1012·4	46·3	52·0	42·9	63	1881	27	1890, 96, 1901	23	139	5·46	2·17	25
Roche's Point	1013·0	45·5	51·4	42·5	61	1908, 1909	27	1890	19	107	4·20	—	—
Birr Castle	1011·8	40·6	49·3	36·8	64	1912	17	1909	19	79	3·10	2·13	25
Donaghadee	1010·4	43·7	49·4	40·1	60	1894, 1909	27	1883	19	77	3·04	—	—
Liverpool (Observatory)	1011·6	42·5	48·5	40·2	61	1894, 95, 99	25	1901, 05, 15	18	64	2·50	[2·27]§	[27]§
Holyhead	1011·3	46·3	50·2	42·9	62	1881	29	1915	19	105	4·14	[2·50]**	[30]**
Pembroke (St. Ann's Hd.)	1012·2	46·7	51·1	43·9	60	1911	28	1890	20	97	3·80	2·17	25
Scilly (St. Mary's)	1013·2	48·7	53·2	46·3	61	1898	29	1890	20	83	3·27	2·50	28
Falmouth	1013·9	46·1	51·6	43·9	60	1895, 1897	23	1890	20	122	4·80	2·53	29
Jersey (St. Aubin's)	1014·2	47·9	53·0	44·3	66	1899	16	1890	21	104	4·08	2·53	28
Portland Bill	1012·7	47·7	51·7	44·3	[61]†	[1900]†	[29]†	[1912]†	14	66	2·58	—	—
Dungeness	1012·2	44·4	50·7	40·7	63	1899	17	1890	16	70	2·75	—	—
Dover	[1012·9]§	42· §	[48·9]	[38·6]§	[60]§	[1914]§	[25]§	[1911]§	[16]§	[78]§	[3·07]§	[2·90]§	[33]§
Wick	1006·6	41·5	46·9	37·0	62	1900	12	1909	20	80	3·14	—	—
Nairn	1007·5	39·8	46·9	35·4	62	1906	12	1904	19	60	2·36	[1·70]∔	[22]∔
Aberdeen	1008·3	40·7	46·8	37·4	62	188[illegible]	14	1909	19	75	2·95	1·83	23
Leith	1009·0	42·0	48·5	38·0	63	1885	18	1885	15	50	1·95	—	—
Tynemouth	1009·9	41·8	48·4	38·1	62	1894	20	1912	16	54	2·13	—	—
Spurn Head	1010·4	43·8	48·2	40·8	61	1894, 1895	28	1884	16	47	1·85	[1·90]**	[23]**
Yarmouth	1011·6	43·3	48·5	39·6	60	1895, 98, 99, 1904	23	1890	18	61	2·41	[2·33]§	[27]§
Clacton-on-Sea	1012·4	43·0	48·5	39·7	[60]‡	[1908]‡	[25]‡	1904]‡	15	47	1·86	2·33	27
Nottingham	1011·9	40·7	48·4	37·1	63	1895	13	1904	19	48	1·88	1·37	16
LONDON (Kew Obsy.)	1013·2	41·9	49·1	38·8	52	1881, 94, 95	21	1901	16	56	2·22	1·73	20
DECEMBER.													
Lerwick	1000·9	40·4	43·6	36·6	53	1890, 1905	19	1909	27	122	4·79	—	—
Stornoway	1000·9	40·3	44·4	35·4	55	1898, 1913	16	1912	26	159	6·25	0·74	12
Castlebay (Barra Isd.)	[1000·5]§	[44·1]§	[46·9]§	[40·1]§	[54]§	[1912]§	[26]§	[1912]§	[26]§	[146]§	[5·74]§	[0·77]§	[12]§
Eskdalemuir	[1003·9]¶	[36·7]¶	[42·1]‖	[33·0]‖	[52]‖	[1910, 12]‖	[8]‖	[1912]‖	[26]‖	[204]‖	[8·04]‖	[0·74]‖	[11]‖
Malin Head	1001·6	42·3	[45·7]*	[38·6]*	[55]*	[1900, 04, 13]*	[28]*	[1906, 1909]*	[24]*	[85]*	[3·35]*	—	—
Blacksod Point	1003·0	44·4	[47·5]*	[39·9]*	[59]*	[1899]*	[25]*	[1906]*	[26]*	[155]*	[6·12]*	—	—
Valencia	1005·8	45·4	49·8	41·1	57	1884, 88, 99, 1900	24	1886	26	169	6·64	1·32	17
Roche's Point	1006·9	44·5	48·8	40·4	57	1906	25	1882	23	135	5·32	—	—
Birr Castle	1005·2	40·5	46·1	35·0	58	1900	10	1882	21	84	3·29	1·39	19
Donaghadee	1004·4	41·8	45·9	37·2	56	1885, 88, 94, 1909, 12, 13	21	1909	21	81	3·17	—	—
Liverpool (Observatory)	1006·7	41·2	44·8	36·8	59	1891, 98, 1900	17	1882, 1890	19	67	2·65	[1·39]§	[19]§
Holyhead	1005·8	44·5	46·9	39·9	56	1888	26	1890, 1902	20	106	4·16	[1·77]**	[24]**
Pembroke (St. Ann's Hd.)	1006·9	45·5	48·1	41·3	57	1899, 1902	19	1890	22	115	4·52	1·35	18
Scilly (St. Mary's)	1008·6	47·6	50·7	44·0	58	1899, 1900	30	1890	23	111	4·36	1·81	23
Falmouth	1009·5	45·5	48·8	41·6	57	1899	25	1886, 1890	23	159	6·27	1·77	22
Jersey (St. Aubin's)	1011·5	46·2	48·8	41·1	59	1898	22	1890	22	105	4·15	1·87	23
Portland Bill	1009·1	46·5	48·1	41·2	[56]†	[1906, 07, 13]†	[24]†	[1908]†	19	75	2·94	—	—
Dungeness	1009·5	43·2	46·2	37·1	56	1897, 98, 1900, 07	12	1890	17	70	2·77	—	—
Dover	[1010·2]§	[42·4]§	[46·7]§	[38·4]§	[54]§	[1912, 14, 15]§	[18]§	[1908]§	[21]§	[105]§	[4·12]§	[1·45]§	[19]§
Wick	1001·3	39·3	43·6	34·3	58	1906, 1907	10	1906	22	78	3·08	—	—
Nairn	1001·9	37·4	43·0	32·1	58	1900	8	1912	19	56	2·22	[1·16]∔	[18]∔
Aberdeen	1003·3	38·5	42·9	34·2	57	1885, 98, 1906, 10, 12	6	1882	19	82	3·22	1·16	18
Leith	1003·8	40·5	41·8	35·0	60	1896	6	1882	17	51	2·00	—	—
Tynemouth	1005·2	40·0	44·3	34·7	59	1898	19	1882, 86, 91, 92, 1908	16	55	2·18	—	—
Spurn Head	1006·5	40·7	43·6	36·4	56	1898, 1912	19	1891	16	51	1·99	[1·32]**	[18]**
Yarmouth	1008·6	40·6	43·6	35·2	60	1901	18	1899, 1906	18	62	2·44	[1·23]§	[16]§
Clacton-on-Sea	1009·6	40·8	43·4	35·8	[55]‡	[1904]‡	[17]‡	[1908]‡	15	45	1·77	1·52	20
Nottingham	1007·7	39·9	44·2	33·9	59	1912	9	1908	20	61	2·39	0·90	12
LONDON (Kew Obsy.)	1009·8	41·4	44·7	35·9	57	1882, 88 1902, 05, 07	11	1890	17	58	2·29	1·19	16

* Results for 30 years, 1886–1915.
† " 16 " 1900–1915.
‡ " 15 " 1901–1915.

∔ Results for 9 years, 1907–1915.
§ " 8 " 1908–1915.
‖ " 6 " 1910–1915.

¶ Results for 5 years, 1911–1915.
** " 2 " 1914–1915.

METEOROLOGICAL OFFICE,
South Kensington, London, S.W.
March, 1916.

E.	Madeira	...	82	7h. & 16h.	1022·3	*	ENE	2	5	75	*	*	*	*	1024·1	NE	3	5	66	*	*	*	*	*	5	-	77	66

* Observations for these columns not generally received. † New International Code see Introduction. ‡ Old International Code. ¶ Pressure at station level.

AIR MINISTRY. No 83.

SUPPLEMENT TO THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT SELECTED STATIONS ISSUED ON THE 1st DAY OF EACH MONTH.

Notes on the Weather of NOVEMBER, 1923.

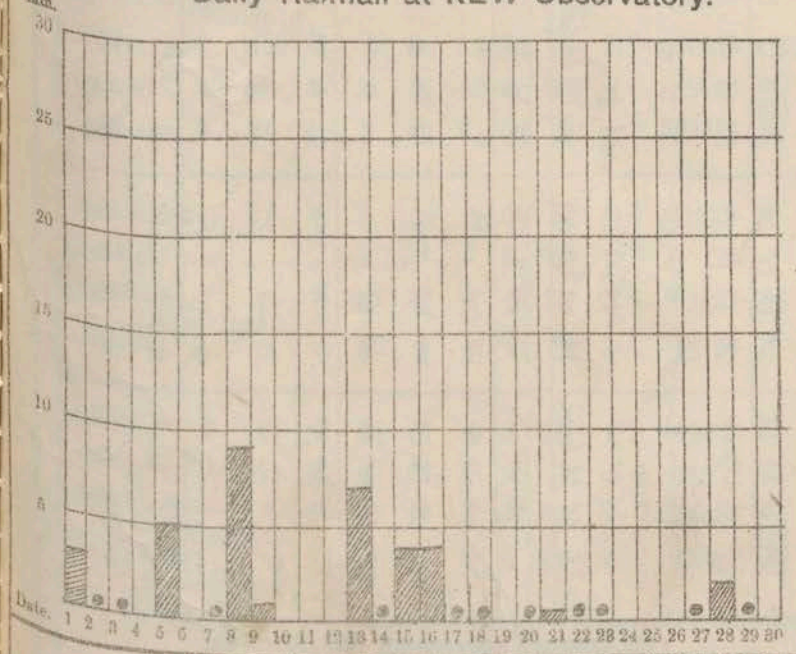
Apart from one or two days at the beginning and again near the middle of the month, cold weather prevailed with much frost at night but many sunny days. A depression which passed northward of Scotland towards Scandinavia on the 3rd. caused high winds and gales on our coasts, heavy rain locally and some snow or sleet in the North. In its rear northerly winds prevailed for some days and effected a gradual decrease in temperature: on the night of 7th - 8th screen minima were below 20° in some parts. Meanwhile another depression, which had begun to approach from Iceland took a more southerly course and passed across the British Isles to France causing much rain and sleet locally on the East coast during the following night. As pressure rose in the North the easterly winds strengthened to gale force in the Channel on the 10th. Fresh disturbances from the Atlantic, however, brought about a renewal of westerly winds which attained considerable strength on the coasts until the 18th. Strong gales, average velocity about 50 mph., occurred in some places, including the London area in the early hours of the 14th.

In the rear of a depression which crossed Scotland on the 17th a northerly current spread over the British Isles and was maintained for nearly a week. Aeroplane observations at South Farnborough recorded temperatures below - 20 °F. at a height of 15000 feet and showers of hail, sleet or snow fell repeatedly in the northern and western districts, while thunder and lightning were also experienced in the West.

A notable feature of the month was the intensely cold, foggy weather about the 25th. Under the influence of a ridge of high pressure across southern England frost and fog began to develop in the Southeast on Saturday, the 24th, and persisted in some parts of London until the following Tuesday. Reference to Kew Observatory records shews that so prolonged a period of frost has not been experienced there in November since 1890. At Shanklin a record minimum of 23°F. in the screen was registered on the 26th.

A depression near the Netherlands carsed snow or sleet in London and the southeasterly counties on the 28th.

Daily Rainfall at KEW Observatory.



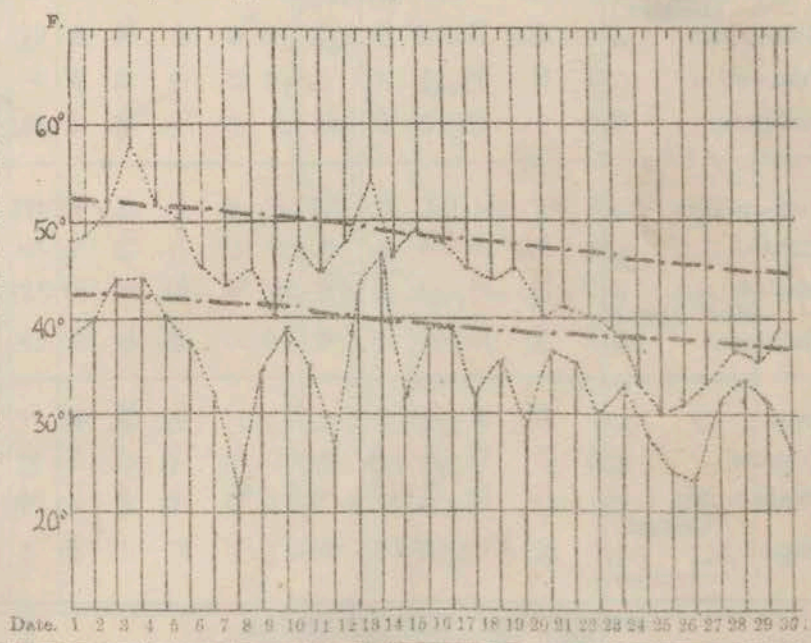
TEMPERATURE.

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

RAINFALL.

● = less than 0·5 mm.
Total for month 37 mm.

Daily Range of Temperature at KEW Observatory.



MEAN VALUES FOR THE MONTH.*

	PRESSURE Mean	PRESSURE Difference from average	TEMPERATURE Mean	TEMPERATURE Difference from average
	mb.	mb.	°F	°F.
Aberdeen.	1003.0	-6.9	38.9	-3.6
Valencia	1011.1	-1.9	42.9	-4.8
Kew	1009.1	-5.5	39.0	-5.3

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

WIND FREQUENCIES AT 7h.

Aberdeen.

Valencia

Kew

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

H.M.S.O. Press, Kingsway, W.C.2.

SUMMARY OF RECORDS OF TEMPERATURE, SUNSHINE,

Equivalents of Temperature. A°.	F°.
263·6	15
268·0	23
268·6	24
273·0	32
273·6	33
278·0	41
278·6	42
283·0	50

TEMPERATURE. — Number of daily readings within fixed limits.

	† Maximum. 32° or below	33 – 41	42 – 50	51 – 59	60 – 68	Normal Max.	† Minimum. 23 or below	24 – 32	33 – 41	42 – 50	51 – 59	Normal Min.
						°F.						°F.
Stornoway ...	0	14	14	2	0	47·6	0	14	12	4	0	38·0
Aberdeen ...	0	16	10	4	0	46·9	0	10	18	2	0	37·2
Edinburgh ... (Inchkeith)	0	13	14	3	0	*	0	4	22	4	0	*
Renfrew	1	10	17	2	0	*	3	9	16	2	0	*
Eskdalemuir ...	0	21	6	3	0	*	2	19	8	1	0	*
Dublin ... ... (Phœnix Park)	1	7	17	5	0	45·9	1	16	11	2	0	37·6
Birr Castle ...	2	10	13	5	0	49·3	3	12	10	3	1	38·8
Valencia ... ... (Cahirciveen)	0	2	23	5	0	52·0	0	6	16	6	2	42·9
Tynemouth ...	0	11	14	5	0	48·4	0	8	17	5	0	38·1
Holyhead ...	0	2	23	5	0	50·2	0	0	16	14	0	42·9
Liverpool ... (Bidston)	0	8	16	6	0	48·5	0	6	18	6	0	40·2
Nottingham ...	1	13	13	2	1	48·4	3	11	12	4	0	37·1
Cranwell	0	13	14	2	1	*	1	15	12	2	0	*
Gorleston ...	0	9	18	3	0	48·5	0	10	?15	5	0	39·6
Ross-on-Wye ...	1	9	14	6	0	49·3	4	10	12	4	0	37·8
Leafield	1	11	14	4	0	*	3	16	11	0	0	*
London ... ... (Kew Obsy.)	2	10	14	4	0	43·1	2	10	14	4	0	32·8
Croydon	2	9	15	4	0	*	2	9	15	4	0	*
Grain	1	10	15	4	0	*	3	12	11	4	0	*
Lympne	0	11	15	4	0	*	1	14	12	3	0	*
Southampton ... (Calshot)	1	10	12	7	0	*	0	8	16	6	0	*
Falmouth ... (Pendennis)	0	2	13	10	0	*	0	1	17	12	0	*

TEMPERATURE. — Extremes—Warmest and Coldest.

	Days. Highest Max.	Date.	Lowest Max.	Date.	Nights. Highest Min.	Date.	Lowest Min.	Date.	Number of Ground Frosts.
	°F.		°F.		°F.		°F.		
Stornoway ...	55	11	37	16, 28	47	1	25	29	*
Aberdeen ...	55*	12	34	24	49	12	28	15, 25	16
Edinburgh ... (Inchkeith)	54	3	37	24	49	12	31	25	8
Renfrew	54	3	29	23	49	12	19	24	17
Eskdalemuir ...	52	3	33	24	44	12	14	25	21
Dublin ... ... (Phœnix Park)	55	3, 13	32	22	47	12	22	24	15
Birr Castle ...	55	3	28	24	52	3	22	24, 25	21
Valencia ... ... (Cahirciveen)	56	3	38	28	53	3	26	25	8
Tynemouth ...	58	3	37	24	45	3	29	25, 27	9
Holyhead ...	53	13	39	28	49	12	34	28	3
Liverpool ... (Bidston)	58	2	36	27	47	13	30	24, 27, 28	11
Nottingham ...	61	3	32	27	47	13	16	27	18
Cranwell	60	3	36	20, 29	45	13	20	27	20
Gorleston ...	59	3	36	24	48	14	27	26	15
Ross-on-Wye ...	57	3	32	27	46	13	19	25	19
Leafield	54	3	30	25	40	3	17	25	*
London ... ... (Kew Obsy.)	58	3	30	25	47	14	22	8	18
Croydon	57	3	29	26	46	14	16	26	18
Grain	58	3	32	25	48	14	21	26, 27	14
Lympne	55	3	33	27	47	1	23	27	16
Southampton ... (Calshot)	57	3	30	25	45	13, 14	25	26	12
Falmouth ... (Pendennis)	57	3	41	23, 24	50	3	32	25	*

LOW CLOUD. — Number of observations within fixed limits.

	7H. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	13H. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	18H Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.
Stornoway ...	16	12	0	17	11	0	20	10	0
Aberdeen ...	0	22	2	0	21	0	0	20	2
Edinburgh ... (Inchkeith)	*	*	*	*	*	*	*	*	*
Renfrew	3	22	1	6	17	2	3	19	2
Eskdalemuir ...	7	18	0	4	22	0	5	15	2
Dublin ... ... (Phœnix Park)	*	*	*	*	*	*	*	*	*
Birr Castle ...	3	27	0	5	25	0	4	25	0
Valencia ... ... (Cahirciveen)	3	24	0	3	24	0	4	25	0
Tynemouth ...	13	13	0	11	15	0	11	8	0
Holyhead ...	3	26	0	2	24	3	3	23	2
Liverpool ... (Bidston)	3	22	0	1	29	0	3	24	0
Nottingham ...	8	14	0	5	17	0	3	10	0
Cranwell	5	15	4	4	20	2	3	22	0
Gorleston ...	1	13	5	0	17	4	0	15	2
Ross-on-Wye ...	4	18	0	0	23	0	3	19	0
Leafield	*	*	*	*	*	*	*	*	*
London ... ... (Kew Obsy.)	7	21	0	4	17	2	4	13	0
Croydon	12	8	0	6	17	0	9	10	0
Grain	6	16	0	5	19	0	4	18	0
Lympne	17	10	0	9	17	0	9	10	0
Southampton ... (Calshot)	4	12	0	3	21	1	3	16	0
Falmouth ... (Pendennis)	0	5	25	0	6	24	0	7	23

UPPER AIR TEMPERATURE.

Pressure.	Normal Height.	Normal Temperature.	CRANWELL Mean.	CRANWELL No. of Reports.	S. FARNBOROUGH Mean.	S. FARNBOROUGH No. of Reports.	ANDOVER. Mean.	ANDOVER. No. of Reports.
mb.	feet.	°F.	°F.		°F.		°F.	
950	1740	40	39	5	38	13	38	5
850	4690	34	31	5	28	17	29	5
750	7950	26	19	5	16	14	17	5
650	11620	16	6	5	1	9	4	5
550	15780	1	−10	2	−18	6	−	0

UPPER WINDS.

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

STATION. Height. Feet.	RENFREW. No. of Obs.	Under 10 m.p.h.	10–25 m.p.h.	26–45 m.p.h.	46–75 m.p.h.	Above 75 m.p.h.	CATTEWATER. No. of Obs.	Under 10 m.p.h.	10–25 m.p.h.	26–45 m.p.h.	46–75 m.p.h.	Above 75 m.p.h.	LYMPNE. No. of Obs.	Under 10 m.p.h.	10–25 m.p.h.	26–45 m.p.h.	46–75 m.p.h.	Above 75 m.p.h.
2,000	9	-	7	2	-	-	20	6	9	5	-	-	43	-	23	15	5	-
5,000	9	-	5	3	-	-	6	1	4	1	-	-	18	2	8	7	1	-
10,000	-	-	-	-	-	-	1	-	1	-	-	-	5	-	5	-	-	-
15,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

† Since March 1st, 1921, the readings used have (except in the case of Phœnix Park & Bidston) been the maximum for the period 7h.–18h., and the minimum for the period 18h.–7h. Previously the period was 7h.–7h. The normal values given above are based upon extremes taken over the 24 hours.

METEOROLOGICAL OFFICE: AIR MINISTRY, KINGSWAY, W.C.2. * Temperature rose to 60° during the night of 11th–12th

RAINFALL, HUMIDITY AND LOW CLOUD, ...NOVEMBER..., 1923.

Equivalents of Temperature. A°.	F°.
283·6	51
288·0	59
288·6	60
293·0	68
293·6	69
298·0	77
298·6	78
303·0	86

	Sunshine. Number of Days with duration. Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration. Hours.	Date.	Total for past 12 months.	Difference from average.	Total for Month.	Difference from average.	Rainfall. Number of days with amount. 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	Above 25 mm.	Maximum fall in 24 hrs. mm.	Date.	Total for past 12 months.	Difference from Average.	Total for Month*	Difference from Average.	Days with Thunder.	Days with Snow or Sleet.
								hours.	hours.	hours.	hours.									mm.	mm.	mm.	mm.		
Stornoway ...	7	18	4	1	0	6·5	9	1157	-102	46	+3	2	2	11	14	0	1	35	7	1410	+144	185	+37	0	6
Aberdeen ...	6	11	9	4	0	6·9	1, 2, 13	1244	-143	77	+22	8	10	8	3	1	0	21	15	896	+148	79	+4	0	11
Edinburgh ... (Inchkeith)	6	15	6	3	0	7·3	6	1363	*	67	*	11	10	6	3	0	0	14	13	497	*	53	*	0	9
Renfrew	9	14	4	3	0	7·2	7	1113	*	51	*	14	4	5	7	0	0	13	2	1055	*	76	*	1	6
Eskdalemuir ...	8	12	6	4	0	7·7	7	1093	*	73	*	7	7	5	7	4	0	24	13	1744	*	159	*	1	15
Dublin ... ... (Phœnix Park)	5	12	9	4	0	7·2	6, 25	1421	-86	87	+16	11	6	11	2	0	0	13	12	771	+66	51	-21	0	25
Birr Castle ...	10	10	8	2	0	7·4	9	*	*	68	+4	11	7	26	6	0	0	12	16, 26	972	+143	75	-4	1	3
Valencia ... ... (Cahirciveen)	8	7	11	4	0	7·0	6, 22	1266	-179	84	+13	5	2	14	9	0	0	14	12	*	*	127	-12	0	1
Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	7	5	13	5	0	0	12	12	661	+40	86	+32	0	5
Holyhead ...	4	11	12	3	0	7·8	10	1500	*	88	*	8	3	12	6	0	1	34	12	951	+63	121	+16	2	1
Liverpool ... (Bidston)	5	11	13	1	0	6·4	19	1367	*	80	*	12	4	7	7	0	0	13	8, 16	761	+52	87	+23	3	7
Nottingham ...	15	7	6	2	0	7·0	4	1045	-280	47	+6	19	3	4	4	0	0	15	13	633	+61	48	0	0	3
Cranwell	5	12	9	4	0	8·3	4	1544	*	86	*	14	6	6	3	1	0	16	13	656	*	57	*	0	9
Gorleston ...	6	7	11	6	0	7·8	4	1655	*	105	*	15	2	6	6	1	0	21	8	599	-23	86	+25	0	1
Ross-on-Wye ...	4	9	10	7	0	7·5	4	1429	*	108	*	19	4	5	1	1	0	19	13	805	+87	44	-20	0	1
Leafield	7	6	11	6	0	8·4	4, 7	*	*	*	*	18	5	5	1	1	0	25	13	*	*	53	*	1	2
London ... ... (Kew Obsy.)	9	10	7	4	0	8·0	4	1436	-39	73	+21	20	3	4	3	0	0	9	8	654	+48	37	-19	0	1
Croydon	10	7	9	4	0	7·8	4	1518	*	83	*	19	5	3	3	0	0	13	8	784	*	46	*	0	2
Grain	5	12	9	4	0	7·9	11	1632	*	87	*	17	4	5	3	1	0	21	8	531	*	56	*	0	2
Lympne	7	6	10	7	0	8·7	4	1757	*	104	*	15	6	2	7	0	0	11	23	741	*	64	*	0	3
Southampton ... (Calshot)	4	9	10	7	0	8·2	7	1701	*	109	*	19	4	5	2	0	0	11	13	684	*	30	*	0	1
Falmouth ... Observatory	2	6	11	11	0	8·4	10	1718	-41	145	+69	8	3	11	7	0	1	35	13	1230	+123	124	+2	2	1

MINIMUM SURFACE HUMIDITY.

No. of Days with Minima between Fixed Limits.

Station.	95–100 %.	90–94 %.	80–89 %.	70–79 %.	60–69 %.	50–59 %.	40–49 %.	30–39 %.	20–29 %.
Aberdeen ...	0	1	2	10	10	6	1	0	0
Renfrew... ...	0	2	8	8	8	4	0	0	0
Eskdalemuir ...	0	2	10	11	6	1	0	0	0
Valencia... ...	0	1	2	10	14	3	0	0	0
Leafield.. ...	*	*	*	*	*	*	*	*	*
London ... ... (Kew Obsy.)...	0	2	7	8	11	2	0	0	0
Falmouth ...	0	0	2	8	15	5	0	0	0

STATE OF GROUND AT 13 h.

No. of Days each type was recorded.

Station.	0	1	2	3	4	5	6	7	8	9
Aberdeen ...	0	22	3	5	0	0	0	0	0	0
Renfrew... ...	0	9	17	0	0	0	3	1	0	0
Eskdalemuir ...	0	5	7	1	0	0	0	14	3	0
Valencia ...	1	20	8	1	0	0	0	0	0	0
Leafield	*	*	*	*	*	*	*	*	*	*
London ... ... (Kew Obsy.)	1	24	3	2	0	0	0	0	0	0
Falmouth ...	7	11	6	2	0	4	0	0	0	0

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer.
9=Glazed roads (ice on roads from frozen rain or melted snow).

NOTES ON CHART OF ISOPLETHS (p. 4).

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.

* Based in part on reports made by telegraph in which the daily falls 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.

G. C. SIMPSON, F.R.S., *Director.*

PRESSURE: ICELAND TO GULF OF LIONS NOVEMBER, 1923.

ISOPLETHS* BASED ON SIX-HOURLY OBSERVATIONS.

* For explanation see page 3. ——— = 1,020 mb. — — — = 1,000 mb. ×—×—× = 980 mb. o—o—o = 960 mb.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22624 Thursday, 1st November, 1923.

Observations at 1300 G.M.T. 31st October

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Heights Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1002.0	+6	SW'W	7	bcjp	51	85	6	4000	CuNb	5	–	5	*
Stornoway	1007.3	+6	SW	5	bcPR	50	85	7	4000	Cu	6	–	6	*
Wick	1007.7	+6	WSW	4	bcpr	50	85	8	2500	CuNb	4	–	4	*
Castlebay	1012.4	+4	WSW	5	bcjp	50	75	7	2500	Nb	5	–	5	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1011.2	+4	WSW	3	b	55	65	8	2500	Cu	1	–	1	1
Malin Head	1015.4	+4	W	5	bc+	53	85	7	5700	StCu	3	CiCu	4	*
Renfrew	1015.2	+4	W	4	cjp	50	85	6	4000	StCu	8	–	8	2
Edinburgh (Inchkeith)	1013.3	+4	WSW	5	bc	52	85	7	*	Cu	4	–	4	*
Leuchars	1012.7	+4	WSW	5	c	53	65	8	4000	StCu	7	–	7	0
Eskdalemuir	1016.6	+3	SW	4	o	49	75	7	2500	StCu	9	–	9	2
Tynemouth	1016.7	+3	W	2	bc	55	75	6	1500	CuNb	4	–	4	*
Blacksod Point	1018.5	+4	WSW	4	o	52	85	8	*	*	*	*	7	*
Donaghadee	1018.0	+4	W	3	c+	51	85	8	450	St	7	–	7	*
Birr Castle	1020.7	*	SW	1	o+	51	75	7	4000	Nb	10	–	10	*
Holyhead	1020.0	+3	SW'W	4	b	54	75	8	4000	StCu	3	–	3	1
Liverpool (Bidston)	1019.9	+2	WSW	3	c+	52	75	7	2500	Cu	7	–	7	*
Chester (Shotwick)	1020.0	+3	WNW	4	c+	54	75	8	4000	StCu	8	–	8	1
Spurn Head	1019.1	+2	W'S	3	b	52	85	6	5700	Cu	1	–	1	*
Birmingham (Edgbaston)	1020.7	+2	WSW	3	c+	51	75	8	4000	Cu	7	–	7	2
Nottingham	1020.1	+1	WNW	2	c	53	75	6	2500	StCu	8	–	8	*
Cranwell	1020.4	+2	W	3	b	55	85	6	–	–	0	–	0	*
Gorleston	1020.0	+1	NW	2	bc+	55	65	6	4000	Cu	5	–	5	*
Valencia (Cahirciveen)	1022.0	+1	–	0	c–	53	75	8	2500	StCu	7	–	7	1
Roches Point	1021.9	+1	NW	1	o	52	85	8	4000	StCu	10	–	10	*
Pembroke (St. Ann's H.)	1021.4	+2	W'N	2	bc	53	75	8	4000	Cu	5	–	5	*
Ross-on-Wye	1020.6	+3	W'N	2	bc–	56	65	8	4000	StCu	6	–	6	1
Leafield	1021.4	+1	WNW	2	bc+	53	65	7	4000	StCu	4	–	4	*
Andover	1021.9	+2	NW	1	bc–	56	75	8	2500	Cu	5	–	5	1
S. Farnborough	1021.3	+2	NW	1	bc	56	75	7	2500	Cu	4	–	4	1
London (Kew Obsy.)	1021.1	+1	NNW	1	b	55	65	7	4000	Cu	3	–	3	1
Croydon	1020.7	0	W	1	b–	58	65	6	2500	Cu	3	–	3	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1021.0	+3	N	1	bc/m	57	65	8	5700	Cu	5	CiSt	6	*
Grain	1020.9	+2	NW	2	c–	56	65	7	4000	Cu	1	CiCu	7	2
Lympne	1020.9	+2	N	2	o	55	75	6	1500	StCu	5	ACu	9	2
Scilly (St. Mary's)	1022.0	+2	NNW	2	b	55	85	8	4000	Cu	1	–	1	*
Falmouth (Pendennis)	1021.8	+3	N	1	bc	55	65	8	5700	Cu	4	–	4	*
Plymouth (Cattewater)	1021.6	0	SSW	2	bc	57	85	7	4000	CuNb	3/4	–	4	2
Portland Bill	1020.8	+1	W	1	b	55	75	7	–	–	0	–	0	*
Southampton (Calshot)	1021.6	+1	NNW	3	b–	54	75	6	2500	Cu	1	–	1	0
Dungeness	1020.7	+2	NE	1	c+	56	85	7	4000	Cu	8	–	8	*
Guernsey	1021.3	–1	N'E	2	o/pr	53	92	8	4000	StCu	9	–	9	*

Observations at 1800 G.M.T. 31st October

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Heights Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	¶
Lerwick	1006.9	+7	SW'W	7	bc	48	85	7	2500	St	2	ASt	4	6
Stornoway	1011.5	+5	W	4	o/r	48	92	7	800	St	10	–	10	3
Wick	1011.4	+3	SW	2	cjp	46	92	8	2500	CuNb	8	–	8	0
Castlebay	1015.3	+5	WSW	4	o	51	75	7	2500	St	10	–	10	6
Nairn	1013.6	*	WSW	2	bc	47	85	8	1500	St	5	–	5	*
Aberdeen	1015.5	+5	SSW	2	bc+	47	75	6	4000	StCu	4	–	4	0
Malin Head	1018.6	+3	SW	3	b	48	97	8	4000	Cu	2	–	2	5
Renfrew	1018.2	+4	W	4	bc	48	75	7	4000	StCu	4	–	4	*
Edinburgh (Inchkeith)	1017.3	+4	SW	3	bc–	48	97	7	*	StCu	3	ACu	4	1
Leuchars	1016.3	+5	SW	4	bc+	47	85	8	4000	StCu	5	–	5	*
Eskdalemuir	1019.5	+3	SW	3	bc–	44	85	7	2500	StCu	6	–	6	*
Tynemouth	1019.5	+3	W	1	b	48	85	5	800	St	2	–	2	0
Blacksod Point	1020.0	+1	WSW	4	c	50	85	8	*	*	*	*	7	5
Donaghadee	1019.9	+2	SW	2	bc–	48	85	7	450	St	4	–	4	*
Birr Castle	1022.1	*	SW	1	o–	48	85	6	2500	StCu	9	–	9	*
Holyhead	1022.0	+2	SW'W	2	o	51	65	8	4000	StCu	10	–	10	1
Liverpool (Bidston)	1022.1	+3	WSW	2	bc+	50	85	7	2500	StCu	6	–	6	3
Chester (Shotwick)	1022.1	+3	–	0	c+	44	92	6	5700	StCu	7	–	7	*
Spurn Head	1021.4	+4	WSW	2	b	47	92	5	4000	Cu	1	–	1	1
Birmingham (Edgbaston)	1022.8	+3	WSW	2	c	50	75	6	4000	StCu	8	–	8	*
Nottingham	1022.5	+3	WNW	1	bc	44	92	6	–	–	0	ACu	6	*
Cranwell	1022.4	+3	W	1	b	43	97	6	–	–	0	–	0	*
Gorleston	1022.4	+1	–	0	b–	49	85	7	4000	St	1	–	1	0
Valencia (Cahirciveen)	1023.4	+2	–	0	o+	49	85	8	2500	StCu	8	ASt	10	4
Roches Point	1023.1	+2	SE	1	o	50	92	8	4000	StCu	10	–	10	0
Pembroke (St. Ann's H.)	1022.8	+2	–	0	o+	50	75	8	5700	StCu	10	–	10	4
Ross-on-Wye	1022.2	+3	–	0	cm	48	85	5	4000	StCu	8	–	8	*
Leafield	1023.8	+3	NW	1	b–	47	75	8	–	–	0	ASt	2	*
Andover	1022.6	+1	NNE	1	b–	45	92	7	–	–	0	–	0	*
S. Farnborough	1023.0	+2	WNW	1	imb	43	97	6	–	–	0	Ci	2	
London (Kew Obsy.)	1022.9	+3	–	0	b	47	85	5	–	–	0	–	0	*
Croydon	1022.6	+3	SSW	1	b	45	92	4	4000	StCu	2	ACu	3F	*
Clacton-on-Sea	1022.1	+2	WNW	1	bcm	50	85	6	–	–	0	ACu	4	0
Shoeburyness	1022.9	+2	–	0	b–	47	85	8	5700	Cu	2	–	2	*
Grain	1022.9	+4	–	0	b	48	92	7	4000	StCu	3	–	3	0
Lympne	1022.2	+2	NE	1	o	50	85	6	4000	StCu	10	–	10	*
Scilly (St. Mary's)	1022.8	+1	N	2	b	50	92	8	4000	Cu	1	–	1	3
Falmouth (Pendennis)	1023.6	+2	N	3	b–	50	85	8	5700	Cu	2	–	2	0
Plymouth (Cattewater)	1022.6	+2	NE	1	cpr	52	85	8	5700	StCu	7	–	7	0
Portland Bill	1022.2	+2	WNW	2	b	52	75	7	–	–	0	ACu	2	3
Southampton (Calshot)	1023.0	+3	N	1	b	55	92	6	4000	StCu	1	Ci	2	0
Dungeness	1021.7	+2	N	1	o–	53	92	7	2500	St	10	–	10	1
Guernsey	1022.0	+1	NE	3	c	53	85	8	5700	StCu	5	ACu	8	1

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning. (24 hours ended 0900 G.M.T. 1st)	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset, hrs. (Yesterday)	Humidity. 15h. G.M.T. % (Yesterday)	Humidity. 9h. G.M.T. % (To-day)
Kew } 24 hours ended 0700	18	bb	boybm	wbofw	*	*	31	Tr	–	6.2	*	*
Croydon } 24 hours ended 0700	244	cbem	bcbma	bmwo	*	*	34	–	–	5.6	*	*
Greenwich (Royal Obsy.)	149	cu	cbm	bomx	55	34	33	–	1	1.4	66	99
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	2.1	*	*
Westminster (St. James' Pk.)	27	*	*	*	54	43	38	–	–	4.4	61	80
Regent's Pk. (Botanic Gdns).	—	*	*	*	*	*	*	*	*	5.3	*	*
Camden Square	118	cbc	cbbc	*	61	42	36	–	–	*	*	91
Kensington Palace	80	bcc	cbc	*	58	42	33	–	–	*	(At 18h) 86	86
Hampstead Observatory	450	*	*	*	54	44	32	–	–	4.1	*	85

ATMOSPHERIC POLLUTION.

Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 31st

South Kensington	Max.	Time.	Min.	Time.
	0.6	1600 30th	<0.3	0000–0200 31st
	1.3	0900 31st		

Kew Observatory	Max.	Time.	Min.	Time.
	0.4	1700 30th	<0.3	0100 31st
	0.5	0900 31st		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 31st Oct. 14 h. 30 m. to 1st Nov. 06 h. 00 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	12.30	7.5	54
♃ Ursae Minoris	12.30	6.35	53

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Rating to-day in 1500 and 1800 reports (Hour frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed frost (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	–	–	–	–
18h.	–	–	–	–
01h.	–	–	–	–
07h.	–	–	–	–

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

1st & 2nd November, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.50	11.37	4.24
	6.52	11.37	4.22
Greenwich	6.55	11.44	4.33
	6.57	11.44	4.31
Wick	4.30	11.56	4.22
	4.32	11.56	4.20
Valencia	4.34	12.25	5.13
	4.39	12.25	5.11

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10900 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_o = slight rain. rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = 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; – = "decreasing"; + = "increasing."

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 miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

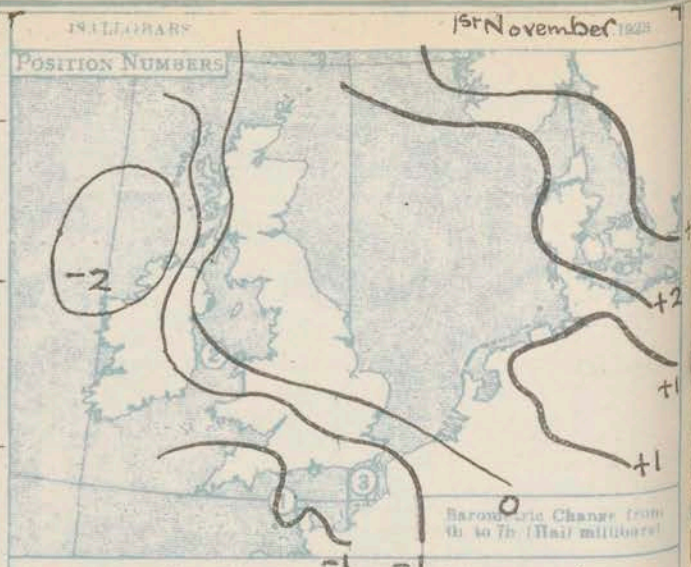
SEA DISTURBANCE.

0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

[1] For explanation see Introduction.
* Information for these columns not usually received.
‡ The barometric change is expressed in half millibars.
¶ For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 31st	WEATHER. 13h.-18h. 31st	WEATHER. 18h. 31st to 1h. 1st	WEATHER. 1h.-7h. 1st	TEMPERATURE. MAX. Day. 7h.-18h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	RAINFALL.† Night. 18h.-7h. mm.	RAINFALL.† Precipitation began.	RAINFALL.† Precipitation began.	SUN. 31st Hours.
Lerwick	bcpq	bcq	bcpq	omr	51	44	.	0·2	3	<0800	0330	2·8
Stornoway	p	p	c	prq	51	44	.	1	3	–	–	4·2
Wick	bcpo	b-bc.	c	o	52	42	.	Trace	–	<0800	–	.
Castlebay	cobbc	bco	oco	o	52	50	.	0·3	–	–	–	5·6
Nairn	cdbcq	qbc	bcc	cq	51	45	.	0·1	–	0900	–	4·0
Aberdeen	b	bbcm	b	bbc	56	40	30	–	–	–	–	4·5
Malin Head	bcz	bcz	b	bcco	53	43	.	–	–	–	–	3·3
Renfrew	obcbp	bcpo	bcc	cocm	52	39	29	Trace	–	<0800	–	2·5
Edinburgh (Inchkeith)	p	c	b	b	52	43	40	Trace	–	11·00	–	5·9
Leuchars	bbc	cbbc	bcbm	bpu	54	38	22	–	–	–	–	6·3
Eskdalemuir	opoc	oopcb	bcc	cofem	50	30	24	0·1	Trace	0900	–	2·1
Tynemouth	m	b-bcm	bbcm	cff	55	39	34	–	–	–	–	.
Blacksod Point	c	b-bc	c	c	54	45	.	–	–	–	–	.
Donaghadee	c	c	c	o	55	41	.	–	–	–	–	.
Birr Castle	co	co	co		51	45	41	–	–	–	–	0·1
Holyhead	bcb	bbcc	oo	oov	54	48	45	–	–	–	–	5·0
Liverpool (Bidston)	bbc	bbc	com		53	46	38	–	–	–	–	4·5
Chester (Shotwick)	bmbcc	cbcb	bcm	bcom	54	41	30	–	–	–	–	4·5
Spurn Head	bbc	czbcz	f-m	bfoff	53	44	.	–	–	–	–	5·9
Birmingham (Edgbaston)	bc	c	cbcco	co	56	45	35	–	–	–	–	5·4
Nottingham	bm	c	com	f-m	55	43	38	–	–	–	–	4·1
Cranwell	bbc	b-bc	c	o	55	40	33	Trace	–	–	–	4·6
Gorleston	cbbc	bc	bbc	bcom	54	42	39	–	–	–	–	6·0
Valencia (Cahirciveen)	oc	bcco	o	o	53	49	45	–	–	–	–	0·9
Roches Point	oo	oo	o	obc	53	45	.	–	0·2	–	0130	
Pembroke (St. Ann's H.)	bbc	c	bbc	c	53	45	.	–	–	–	–	5·9
Ross-on-Wye	bbcc	bcoc	cnom	omog	57	44	36	–	–	–	–	6·1
Leafield	bc	bc	bc	bcce	54	39	34	–	Trace	–	–	8·6
Andover	ofcbc	bcb	bbc	bccom	57	35	28	–	–	–	–	6·4
S. Farnborough	ocbbc	bcbm	bmofc	ofc	59	33	29	–	–	–	–	6·8
London (Kew Obsy.)	bo	bcybmw	bmwbfo	ofwcfw	56	38	31	Trace	–	–	–	6·2
Croydon	cbcm	bcbmw	bmwo	owmf	58	39	34	–	–	–	–	5·6
Clacton-on-Sea	ogcbc	bcm	bcmc	omogr	56	44	34	–	Trace	–	06.30	6·2
Shoeburyness	bmbc	bcbw	bbcc	comr	58	39	31	Trace	0·1	–	06.30	5·3
Grain	ocmc	bbc	bbcf	cofd	51	43	38	–	Trace	–	0630	4·2
Lympne	om	bcm	orm	orm	57	47	40	0·1	2	<0800	2200	2·2
Scilly (St. Mary's)	bcb	b-bc	b	bbc	56	46	.	–	–	–	–	4·8
Falmouth (Pendennis)	bc	bc	bc	bc	55	45	.	–	Trace	–	0230	8·4
Plymouth (Cattewater)	bfcwm	bccp	bcxow		58	41	24	0·1	–	<0800	–	.
Portland Bill	bbc	b-bc	bbc	fm	56	44	.	–	–	–	–	
Southampton (Calshot)	bcbbm	bm	bwbcmm	omFd	56	42	39	–	Trace	–	0530	6·3
Dungeness	c	oo	rr	rr	54	50	.	–	3	–	2200	.
Guernsey	cp	c		orrm	54	50	.	Trace	5	1100	0330	.



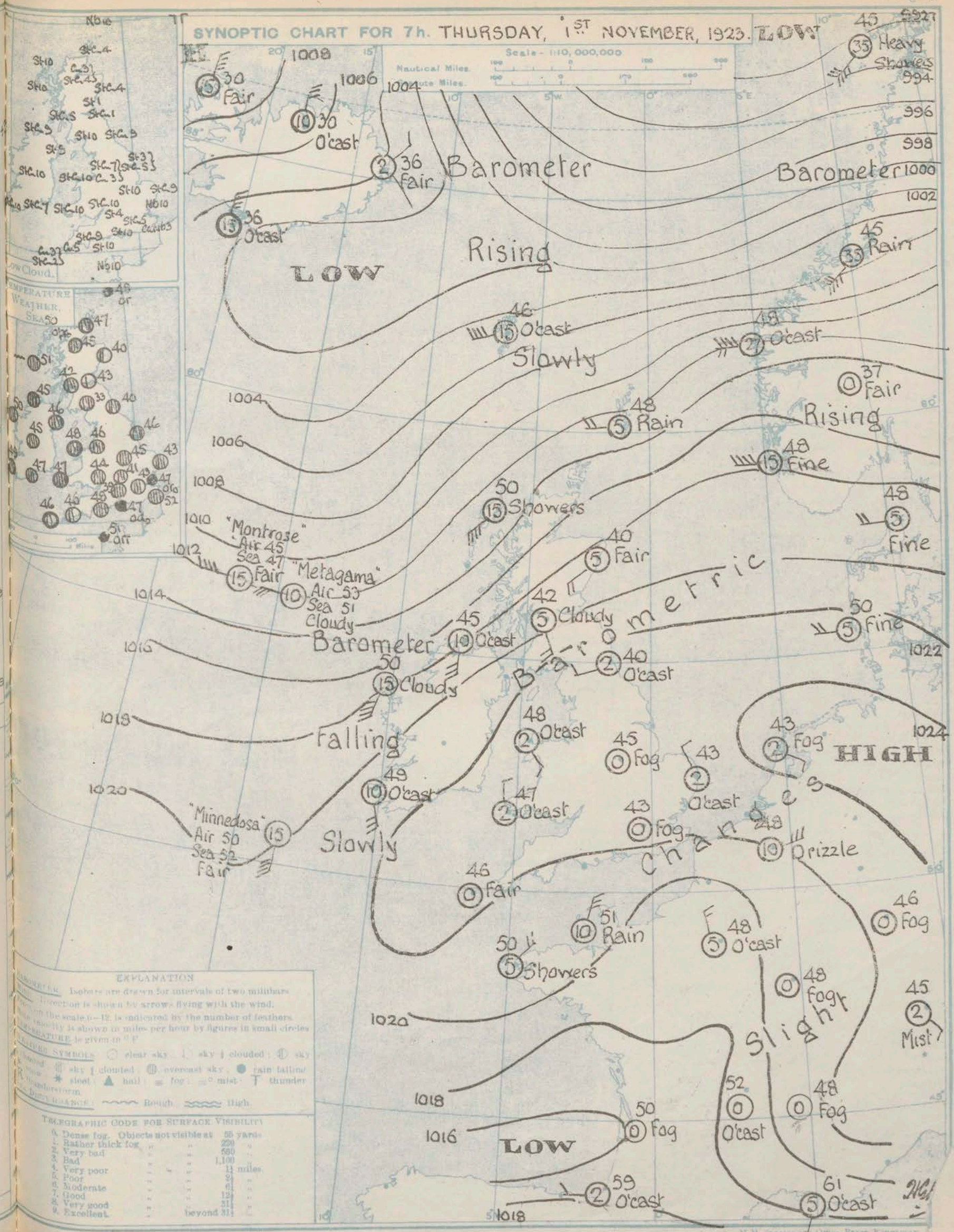
Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	31st 10h	Hibernia	WSW	4	bc	54	45	8
3	1st 2h	–	NE	2	orr	52	54	4

GENERAL INFERENCE.

Anticyclones lie over the Continent and north of the Azores, connected by a ridge of high pressure across the British Isles. Fair, quiet weather is likely in most districts with mist or fog night and morning. A low pressure system over France is, however, likely to cause local rain in the extreme South, and secondaries to an Arctic depression will cause some rain or showers in the extreme Northwest.

Districts.	Forecasts for the 24 hours commencing 15h G.M.T. Thursday, 1st November, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind variable or easterly, light; a good deal of cloud, rain or drizzle in places; some mist or fog; moderate or rather low temperature.	None issued.
4. W. Midlands	As 6 - 13.	
5. S.W. England	As 0 - 3.	
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Light variable winds; variable cloud; mist or fog night and morning; moderate day temperature, cold night inland.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Wind southwesterly, light or moderate; mainly cloudy or overcast, occasional rain or showers; visibility moderate or good; moderate temperature.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 6 - 13.	


SYNOPTIC CHART FOR 7h. THURSDAY, 1ST NOVEMBER, 1923.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
HIGH
LOW
Barometer Rising Slowly
Barometer Falling Slowly
Barometer Steady
Barometer Falling Slightly
"Montrose" Air 45 Sea 47
"Metagama" Air 53 Sea 51 Cloudy
"Minnedosa" Air 50 Sea 52 Fair
Heavy Showers
Rain
Fair
Fine
Showers
Cloudy
O'cast
Fog
Drizzle
Mist
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind.
Force on the scale 0–12, is indicated by the number of feathers.
Velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in ° F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY
0. Dense fog. Objects not visible at 55 yards
1. Rather thick fog " " 220 "
2. Very bad " " 550 "
3. Bad " " 1,100 "
4. Very poor " " 1¼ miles
5. Poor " " 2½ "
6. Moderate " " 6 "
7. Good " " 12 "
8. Very good " " 31 "
9. Excellent " beyond 31 "
H.M. Stationery Office Press Kingsway.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION...Thursday, 1st November.....1923. No. 305.

Observations at 0100 G.M.T. ...1st.....

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.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1012.2	+6	WSW	5	b/r	49	85	4	–	–	0	ASt	2
Stornoway	51	1014.2	+2	W	4	c	•	•	5	•	•	•	•	•
Wick	81	1015.0	+3	SW	3	o+	44	92	8	2500	CuNb	9	–	9
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1013.0	0	S	2	b	45	92	8	–	–	0	–	0
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1012.8	+4	WSW	3	b-	46	94	4	•	–	0	–	0
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1022.1	+1	W	1	b	43	92	6	–	–	0	–	0
Blacksod Point	49	1020.1	0	SW	3	c	50	85	4	•	•	•	•	4
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1023.0	+1	SW'W	1	0	50	65	8	2500	StCu	10	–	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1023.6	+1	W	3	fb+	44	94	3	–	–	0	–	0
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1024.2	+2	–	0	0	43	94	5	4000	StCu	10	–	10
Gorleston	13	1023.4	0	W'N	1	b	46	94	6	–	–	0	ACu	2
Valencia (Cahirciveen)	30	1023.1	0	SSW	2	0	50	85	9	–	St	10	–	10
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1023.2	+2	–	0	c	48	85	8	4000	StCu	8	–	8
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	39	•	•	•	•	•	•	•
Croydon	244	1023.6	0	S	2	o+	40	94	4	–	–	0	CiSt	10
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1023.5	0	NE	2	orr	48	94	6	800	Nb	10	–	10
Scilly (St. Mary's)	131	1022.9	0	NNE	1	b	48	92	8	4000	Cu	2	–	2
Falmouth (Pendennis)	200	1023.8	0	N	2	b	45	92	4	5400	Cu	1	–	1
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1021.8	0	N'E	2	o+	50	45	4	–	–	0	ASt	10
Southampton (Calshot)	13	1023.2	0	N'W	2	o+	45	94	6	4000	St	8	ASt	10
Dungeness	21	1023.1	+1	NE	2	orr	52	92	4	–	–	0	ASt	10
Guernsey														

Observations at 0700 G.M.T. ...1st.....

Stations.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea.
Lerwick	1012.6	+2	W	2	or	48	94	6	4000	Nb	10	–	10	1
Stornoway	1012.4	-1	SW	4	obr.	50	92	6	450	St	10	–	10	5
Wick	1014.8	0	SW	4	o	44	94	8	5400	StCu	4	ASt	9	0
Castlebay	1015.4	0	SW	5	o	51	85	4	1500	St	10	–	10	6
Nairn	1014.3	•	–	0	c	45	85	8	4000	StCu	4	–	4	•
Aberdeen	1013.1	+1	SW	2	bc	40	92	4	5400	StCu	4	–	4	0
Malin Head	1014.9	-2	S	3	o	45	94	8	5400	StCu	9	–	9	4
Renfrew	1020.4	0	SSE	2	c	42	94	5	2500	StCu	5	ASt	8	•
Edinburgh (Inchkeith)	1020.6	0	SW	1	b	43	94	4	•	StCu	1	–	1	0
Leuchars	1019.6	0	–	0	b+	38	94	6	2500	St	1	–	1	•
Eskdalemuir	1022.9	0	–	0	mmo	33	92	4	4150	St	10	–	10	•
Tynemouth	1022.5	0	WSW	1	fo	40	94	3	4000	StCu	9	–	9	0
Blacksod Point	1018.0	-2	S'W	4	c+	50	85	4	•	•	•	•	8	4
Donaghadee	1020.8	0	–	0	o-	46	92	8	450	St	9	–	9	1
Birr Castle	1021.4	•	SSE	1	o+	45	85	5	1500	StCu	10	–	10	•
Holyhead	1022.5	0	SES	1	o	48	45	9	2500	StCu	10	–	10	0
Liverpool (Bidston)	1022.9	0	SE	1	o	46	45	4	2500	StCu	10	–	10	•
Chester (Shotwick)	1023.1	0	ESE	3	o	44	92	5	4000	StCu	10	–	10	•
Spurn Head	1023.5	0	W	1	ffo	46	92	3	800	StCu	10	–	10	0
Birmingham (Edgbaston)	1023.6	0	SE	1	o	46	85	6	2500	StCu	10	–	10	•
Nottingham	1023.5	0	–	0	ffo	45	92	1	800	St	10	–	10	•
Cranwell	1024.2	0	–	0	mmo	43	94	6	2500	StCu	10	–	10	•
Gorleston	1023.3	0	NNW	1	o-	43	94	5	4000	StCu	9	–	9	0
Valencia (Cahirciveen)	1021.2	-1	SSE	3	o	49	85	8	2500	StCu	10	–	10	4
Roches Point	1022.3	-1	SW	1	c-	47	92	8	4000	StCu	4	–	4	0
Pembroke (St. Ann's H.)	1022.6	-1	N	1	o	47	85	8	4000	StCu	10	–	10	3
Ross-on-Wye	1022.4	-1	–	0	o	44	92	4	2500	StCu	10	–	10	•
Leafield	1023.4	0	NE	2	c	41	94	5	2500	St	4	ACu	4	•
Andover	1022.6	-1	NNE	1	o+	40	94	5	4000	StCu	10	–	10	•
S. Farnborough	1023.1	+1	–	0	ffo	39	94	3	450	St	10	–	10	•
London (Kew Obsy.)	1023.2	0	–	0	ccc	43	94	2	4000	StCu	5	ASt	8	•
Croydon	1022.9	-1	NE	1	ffo	43	94	2	800	St	10	–	10	•
Clacton-on-Sea	1022.8	-1	N	3	or.	47	85	6	2500	Nb	10	–	10	0
Shoeburyness	1022.9	0	NE	1	orr.	46	85	5	1500	St	10	–	10	•
Grain	1022.8	0	NNE	4	oo.	48	92	5	800	Nb	10	–	10	0
Lympne	1022.0	-1	NE	2	orr.	48	94	6	800	Nb	10	–	10	•
Scilly (St. Mary's)	1022.9	0	–	0	bc+	46	92	8	4000	Cu	5	–	5	2
Falmouth (Pendennis)	1021.9	0	N	2	bc+	46	85	8	5400	Cu	5	–	5	0
Plymouth (Cattewater)	1022.5	0	NNE	1	o	42	94	6	5400	StCu	9	–	9	0
Portland Bill	1022.0	-1	N	2	mmo	48	85	6	800	St	10	–	10	1
Southampton (Calshot)	1022.1	-1	NE	3	od	47	92	4	1500	St	10	–	10	0
Dungeness	1021.0	-1	E	3	o/r	52	85	4	4000	CuNb	3	CiSt	10	3
Guernsey	1021.2	-1	NNE	3	orr	51	94	4	1500	Nb	10	–	10	1

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR...31st October.....

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 30th-31st	Temperature. Max. Day. 31st	Rainfall.† Night 17h.-9h. 30th-31st	Rainfall.† Day 9h.-17h. 31st	Sunshine.	Sunrise to Sunset. 31st.
			°F.	°F.	mm.	mm.		hr.
Montrose	bbc	bc	46	55	–	–		7.6
Berwick-on-Tweed	bbcb.	bcbcb.	46	54	0.1	–		6.0
Llandudno	bbcc	cbcc	49	55	–	–		4.7
Colwyn Bay	b	bc	47	58	–	–		5.1
Rhyl	bc	cbc	43	60	–	–		5.6
Southport	cbcb	bbcc	48	54	–	–		5.1
Blackpool	cb	cc	50	55	–	–		4.1
Ilkley	bcbbc	b	45	55	–	–		3.5
Harrogate	bbcc	cbcb	44	53	0.1	–		4.3
Skegness	wmb	cm.	42	57	trace	–		7.0
Aberystwyth	acc	b	50	55	–	–		7.0
Bath	mbbc	bcbm.	42	57	3	–		5.6
Leamington Spa	bc	bcm	39	55	1	–		7.4
Lowestoft	bcc	ocb	49	57	3	–		5.8
Felixstowe	amb	bm	50	57	5	–		6.6
Southend	cbc	bc	49	59	3	–		5.5

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 30th-31st	Temperature. Max. Day. 31st	Rainfall.† Night 17h.-9h. 30th-31st	Rainfall.† Day 9h.-17h. 31st	Sunshine.	Sunrise to Sunset. 31st.
			°F.	°F.	mm.	mm.		hr.
Ilfracombe	cbcc	cbcb	49	58	–	–		5.6
Bude	b	b	52	56	0.2	–		8.1
Torquay	b	b	44	57	0.6	–		5.8
Weymouth	b	b	45	61	5	–		6.3
Bournemouth	b	b	46	56	4	–		6.5
Portsmouth (S'thsea)	b	b	49	56	4	–		6.5
Littlehampton	ocbbm	bcbm.	49	57	3	–		5.1
Worthing	obc	cbc	50	56	4	–		3.6
Brighton	c	c	51	56	5	–		2.1
Eastbourne	cbc	coc	50	59	6	–		1.2
Hastings	ocbcc	com.	50	57	6	–		1.2
Folkestone	o	o	51	56	5	–		1.4
Dover	mrboc	como	51	56	3	–		0.8
Tunbridge Wells	cbc	bccom.	48	58	5	–		4.2
Ramsgate	bcb	bbcm.	49	54	9	–		2.8
Margate	ocb	bbcc	50	54	9	–		2.3
Deal	ozo	bccm.	50	56	4	–		2.1

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Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22625 Friday, 2nd November 1923.

Observations at 1300 G.M.T. 1st.

Stations (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1012.4	-1	SW	2	o	50	92	6	5700	StCu	5	ASt	10	*
Stornoway	1011.0	-2	WSW	5	opr0	51	92	6	450	St	10	-	10	*
Wick	1014.0	-1	SW	4	c	50	85	8	5700	StCu	4	CiSt	8	*
Castlebay	1013.6	-3	SW	5	ojp	51	85	7	1500	St	9	-	9	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1017.1	-3	SW	3	b	51	75	8	-	-	0	-	0	1
Malin Head	1015.5	-2	SSW	4	o+	50	92	8	5700	StCu	4	ASt	10	*
Renfrew	1018.4	-3	SSW	3	o	50	85	6	2500	St	10	*	10	2
Edinburgh (Inchkeith)	1017.5	-3	SW	3	o+	50	75	8	*	-	0	ACu	9	*
Leuchars	1017.7	-3	SSW	3	b	51	65	6	4000	StCu	2	-	2	0
Eskdalemuir	1020.2	-3	SW	4	o	46	85	7	1500	StCu	10	-	10	1
Tynemouth	1020.3	-2	W	1	fc-	50	85	3	800	St	5	ACu	7	*
Blacksod Point	1015.5	-3	WSW	5	oPR	50	92	7	*	*	*	*	10	*
Donaghadee	1019.2	-2	SW	2	o	50	75	8	800	StCu	10	-	10	*
Birr Castle	1019.6	*	S	1	o-	50	75	7	4000	StCu	9	-	9	*
Holyhead	1020.6	-3	SSW	3	o-	51	65	9	5700	StCu	10	-	10	0
Liverpool (Bidston)	1020.3	-3	SSE	1	o	49	65	5	2500	CuNb	10	-	10	*
Chester (Shotwick)	1020.7	-3	S	2	o/f	52	65	6	5700	StCu	7	ACu	10	5
Spurn Head	1021.1	-4	NW	1	bc	50	86	5	-	-	0	ACu	6	*
Birmingham (Edgbaston)	1021.1	-4/3	S	2	mo-	48	85	4	2500	StCu	10	-	10	1
Nottingham	1021.0	-2	W	1	fo-	49	75	3	1500	St	10	*	10	*
Cranwell	1021.4	-4	SE	1	b	53	75	6	4000	StCu	2	-	2	1
Gorleston	1021.3	-1	E'N	2	or-	49	97	6	2500	Nb	10	*	10	*
Valencia (Cahirciveen)	1018.5	-5	S'E	4	c+	53	85	8	1500	St	4	ACu	7	1
Roches Point	1020.2	-4	WSW	3	o+	52	85	8	2500	StCu	9	-	9	*
Pembroke (St. Ann's H.)	1021.4	-2	WSW	1	cpr0	49	75	8	4000	StCu	8	-	8	*
Ross-on-Wye	1020.2	-4	NNW	1	c+	53	75	6	4000	StCu	7	-	7	1
Leafield	1021.0	-4	E'N	1	c+	49	85	6	1500	St	5	ASt	8	*
Andover	1020.4	-3	ENE	1	or	50	85	7	4000	StCu	10	*	10	1
S. Farnborough	1020.9	-4	-	0	ffo	45	97	3	450	St	10	*	10	2
London (Kew Obsy.)	1020.5	-3	NE	2	ffo	49	92	3	450	St	10	*	10	2
Croydon	1020.5	-4	NE	1	or0	48	92	3	450	St	10	-	10	2
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1020.6	-3	NE	2	or0f0	49	92	5	800	St	10	*	10	*
Grain	1021.5	-2	NNE	3	or-	49	97	5	800	Nb	10	*	10	2
Lympne	1019.4	-4	NNE	3	o/r	48	97	6	450	Nb	9	ASt	10	2
Scilly (St. Mary's)	1023.0	0	W'N	2	c+	53	85	8	4000	StCu	8	-	8	*
Falmouth (Pendennis)	1020.9	-1	NW	2	bc	54	65	8	5700	Cu	4	-	4	*
Plymouth (Cattewater)	1021.2	-2	W	3	c	54	75	8	4000	StCu	5	ACu	8	0
Portland Bill	1020.2	-2	N	2	c-	51	85	6	-	-	0	ACu	8	*
Southampton (Calshot)	1020.7	-3	N	2	ffo	49	92	3	1500	St	10	-	10	1
Dungeness	1018.8	-2	ENE	4	or	50	97	7	4000	CuNb	7 (3)	CiSt	10	*
Guernsey	1020.3	-2	N	3	cd0	52	97	6	800	Nb	10	-	10	*

Observations at 1800 G.M.T. 1st.

Stations	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1010.9	-2	SW	3	opr0	49	97	6	4000	Nb	10	-	10	2
Stornoway	1011.4	+1	-	0	or+	51	97	6	450	St.	10	-	10	4
Wick	1011.5	-2	SW	4	o	49	92	8	5700	StCu	5	CiSt	9	3
Castlebay	1012.5	-1	NW	2	o/r	46	92	7	1500	St.	10	-	10	4
Nairn	1012.2	*	W	1	c	48	75	8	4000	CuNb	7	-	7	*
Aberdeen	1015.1	-2	SW	3	b+	45	85	6	-	-	0	ASt	1	0
Malin Head	1012.9	-3	S	5	o	49	92	8	4000	Nb	6	ASt	10	4
Renfrew	1016.0	-2	S	1	c-	44	85	6	4000	StCu	8	-	8	*
Edinburgh (Inchkeith)	1015.9	-1	SW	3	c+	47	85	7	*	StCu	8	-	8	1
Leuchars	1015.5	-2	WSW	1	o+	44	85	7	-	-	0	A.Cu	10	*
Eskdalemuir	1017.5	-2	SSW	3	or0	43	85	7	2500	StCu	9	-	9	*
Tynemouth	1018.1	-2	W	1	o/f	47	85	5	4000	St.	10	-	10	0
Blacksod Point	1016.9	+2	NW	4	oPR	45	85	8	-	*	*	*	8	5
Donaghadee	1017.0	-2	SW	2	bc-	48	85	8	800	St	6	-	6	2
Birr Castle	1016.9	*	S	1	or0+	47	85	5	1500	Nb	10	-	10	*
Holyhead	1018.3	-1	S'E	3	c	48	75	8	5700	StCu	8	-	8	0
Liverpool (Bidston)	1018.7	-1	S	1	o	47	?	6	1500	St.	10	-	10	2
Chester (Shotwick)	1018.9	-1	-	0	o	46	85	5	2500	StCu	10	-	10	*
Spurn Head	1019.4	-3	WNW	1	o	47	92	5	2500	St.	10	-	10	0
Birmingham (Edgbaston)	1019.9	-1	SSE	2	ffo	47	85	4	2500	StCu	9	-	9	*
Nottingham	1012.7	-1	W	1	ffo	45	92	3	800	St.	10	-	10	*
Cranwell	1020.1	0	SSW	1	o	45	97	6	1500	St.	10	-	10	*
Gorleston	1020.2	-1	NNW	1	o/r	47	92	7	2500	St.	10	-	10	0
Valencia (Cahirciveen)	1020.1	+3	WNW	4	b-	49	75	8	2500	StCu	3	-	3	4
Roches Point	1017.8	-1	WNW	3	OPR	46	97	8	2500	CuNb	10	-	10	0
Pembroke (St. Ann's H.)	1020.8	-2	W	2	c	49	75	8	4000	StCu	8	-	8	3
Ross-on-Wye	1019.3	-2	E	1	bc-	46	92	5	2500	StCu	5	-	5	*
Leafield	1020.8	-5	W	1	mo	45	92	5	800	St.	10	-	10	*
Andover	1019.8	0	NNW	1	fb	41	97	2	-	-	0	*	0	5
S. Farnborough	1020.0	0	-	0	ffc	44	97	3	450	St.	10	-	10	*
London (Kew Obsy.)	1019.9	0	NNW	1	o/f	48	92	5	1500	St.	10	-	10	*
Croydon	1020.0	+1	-	0	o	47	97	4	800	St.	10	-	10	*
Clacton-on-Sea	1019.5	0	NNE	2	mmo	48	92	5	5700	StCu	10	-	10	1
Shoeburyness	1020.1	0	-	0	ffbc	47	85	3	1500	Cu	4	-	4	*
Grain	1020.0	0	N'E	2	or0+	48	92	6	1500	Nb	10	-	10	0
Lympne	1019.4	0	N'E	3	o	47	97	7	1500	St.	10	-	10	*
Scilly (St. Mary's)	1021.6	-1	W'N	3	c	50	85	8	4000	StCu	8	-	8	3
Falmouth (Pendennis)	1020.8	0	NW	3	b-	48	75	8	5700	Cu	2	-	2	0
Plymouth (Cattewater)	1021.0	0	WNW	2	bc-	49	75	7	5700	StCu	1	Ci	4	0
Portland Bill	1019.8	-2	-	0	bc-	48	92	6	-	-	0	Ci	4	0
Southampton (Calshot)	1020.4	+1	N	2	mmbc	48	92	5	4000	StCu	4	-	4	0
Dungeness	1019.1	0	NE	2	c/r	50	97	7	4000	StCu	7	-	7	3
Guernsey	1020.7	+2	NNW	2	bc	50	92	6	4000	Cu	1	A.Cu	5	0

London Observations.	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass. °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
		24 Hours ended 0900 G.M.T. 2nd										
Kew (24 hours ended 0700)	18	ofrof	fdmfm	mnfofe	*	*	35	3	0.1	0.0	*	*
Croydon (24 hours ended 0700)	244	ofrr0	or0fm	omofbo	*	*	32	5	Tr.	0.0	*	*
Greenwich (Royal Obsy.)	149	orm	odm	ombbc	50	40	32	3	-	0.0	30	90
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	27	*	*	*	50	41	38	3	*	0.0	89	94
Regent's Pk. (Botanic Gdns).	—	*	*	*	*	*	*	*	*	0.0	*	*
Camden Square	110	oor	oom	*	49	40	34	3	-	*	*	98
Kensington Palace	80	ofe	ofe	*	49	40	34	3	-	*	At 18h 93	100
Hampstead Observatory	450	*	*	*	47	38	31	2	Tr.	0.0	*	98

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 1st

South Kensington Max.	Time.	Min.	Time.
2.0	21h. 31st	0.3	5h. 1st
2.0	10½h. 1st		

Kew Observatory Max.	Time.	Min.	Time.
0.9	1h. 1st	0.3	17h. 31st
1.0	11h. 1st		

Pole Star Record at Greenwich Obsy.

Exposure from 1st 14 30 h.m. to 2nd 06 h.m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	12.30	1 25	11
δ Ursae Minoris	12.30	1.18	10

Code for State of Ground.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Starting to day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

Radio Disturbances (Atmospherics) at Croydon.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	-	-	-	-
01h.	-	-	-	-
07h.	-	-	-	-

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

2nd & 3rd November, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.52	11.37	4.22
	6.54	11.37	4.20
Greenwich	6.54	11.44	4.31
	6.59	11.44	4.29
Wick	7.32	11.56	4.20
	7.35	11.56	4.17
Valencia	7.39	12.25	5.11
	7.41	12.25	5.9

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain. rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = 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; - = "decreasing". + = "increasing."

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.

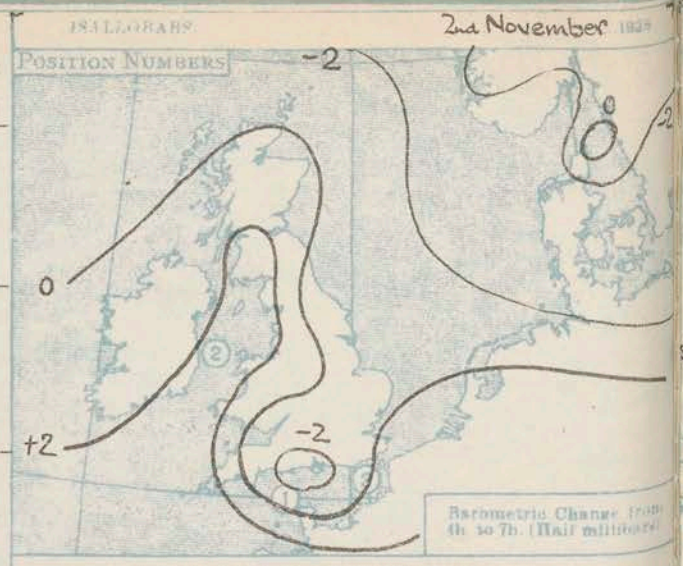
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

Sea Disturbance.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 5

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 1st	WEATHER. 13h.-18h. 1st	WEATHER. 18h. 1st to 1h. 2nd	WEATHER. 1h.-7h. 2nd	TEMPERATURE. MAX. Day. 7h.-18h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	RAINFALL.† Night. 18h.-7h. mm.	RAINFALL.† Precipitation began.	RAINFALL.† Precipitation began.	SUN. 1st Hours.
Lerwick	o	opr	omr	omr	51	42	.	1	6	1230	<2100	0.5
Stornoway	p	c	c	b	51	37	.	10	0.3	1230	—	0.1
Wick	oo	oo	orr	r.rbc	51	38	.	-	1	-	2400	.
Castlebay	o	orro	oc	cobb	51	45	.	4	1	-	—	0.0
Nairn	cbc	bccg	cdg	bcx	53	37	.	-	0.4	-	2200	5.1
Aberdeen	b	blm	bbc	r.b	52	38	29	-	1	-	0130	6.9
Malin Head	cog	oo	or.R	coir	51	45	.	-	1	-	<2100	2.4
Renfrew	cmomo	omc	co	ocom	50	36	26	-	—	.	—	0.4
Edinburgh (Inchkeith)	c	c	bbc	bcb	51	43	40	-	—	-	—	3.2
Leuchars	bcbz	bzcbco	ocbcb	bobr.b	52	37	20	-	0.3	-	0230	5.5
Eskdalemuir	ofemo	opo	opcbc	bcb	48	33	30	1	Trace	1330	<2100	1.4
Tynemouth	oFf	fbcm	om	c	51	43	41	-	—	-	—	.
Blacksod Point ...	p	p	r-d	bbc	53	40	.	2	0.4	—	—	.
Donaghadee	ov	bo	ob	cb	53	37	.	-	2	-	<2100	.
Birr Castle	co	orro	or.o	bcx	51	36	29	Trace	4	1730	<2100	0.4
Holyhead	cov	opore	coor	Rr	53	47	44	Trace	2	1430	2400	0.7
Liverpool (Bidston) ...	om	oim	or		51	45	40	-	2	-	0630	0.0
Chester (Shotwick) ...	omffo	ooin	oove	coorm	53	40	33	-	0.1	-	0530	0.1
Spurn Head	b.bc	c	o	bfoff	50	42	.	-	—	-	—	2.0
Birmingham (Edgbaston)	om	om	onm	obcm	48	40	36	-	—	-	—	0.0
Nottingham	f-m	f-m	om	f-m	49	38	32	-	—	-	—	0.0
Cranwell	ocbc	c	f-m	cbcbm	54	40	35	-	—	-	—	2.5
Gorleston	omrr	omro	omc	om	50	41	39	8	—	1230	—	0.0
Valencia (Cahirciveen)	obcc	oreb	b	bcco	54	46	39	3	1	1330	<2100	1.3
Roches Point	p	ocpo	opb	obw	53	42	.	2	0.6	L0800	<2100	.
Pembroke (St. Ann's H.)	c	oo	b	ocp	53	46	.	1	5	1330	22.00	3.0
Ross-on-Wye	omcbm	comcm	bmcmbm	cmrom	53	40	32	-	1	-	0330	1.8
Leafield	oco	cofo	co	cffc	51	37	30	-	—	-	—	2.3
Andover	omoro	ocmbf	oFFe	oFFe	50	385	310	0.2	0.1	1100	02.30	0.5
S. Farnborough ...	ofr.of	coff	off	oxFe	47	29	29	2	Trace	L0800	—	0.0
London (Kew Obsy.) ...	ofrof	ofdomofo	ombmofo	FroFe	49	40	35	3	0.1	L0800	—	0.0
Croydon	ofrr	orofm	om	oFbw	49	38	32	5	Trace	L0800	—	0.0
Clacton-on-Sea ...	ogr	ogrm	ogbcm	bcmf	49	39	36	10	—	L0800	—	0.0
Shoeburyness ...	orforro	rforcff	ffcffe	bffcoff	50	39	36	10	0.1	L0800	—	0.0
Grain	orrm	rmoro	ocbmf	FF	50	35	31	8	Trace	L0800	<2100	0.0
Lympne	orrm	om	ocbF	bcoF	49	39	34	10	Trace	L0800	—	0.0
Scilly (St. Mary's) ...	bcc	cbcc	orcq	cbq	54	44	.	-	3	-	<2100	5.0
Falmouth (Pendennis)	bc	bc	cor	bc	55	45	.	-	1	-	2200	6.9
Plymouth (Cattewater)	obwc	cbc	bccob	obb	56	39	32	-	0.6	-	2400	5.3
Portland Bill	f-m	c	bbc	c	53	44	.	-	—	-	—	.
Southampton (Calshot)	cdm	rm	bffoFFe	oFFe	51	40	38	1	Trace	L0800	<2100	0.2
Dungeness	rr	r-d	c	oFF	52	41	.	9	—	L0800	—	.
Guernsey	omod	ocmdo	—	cd	54	44	.	2	1	L0800	2400	.



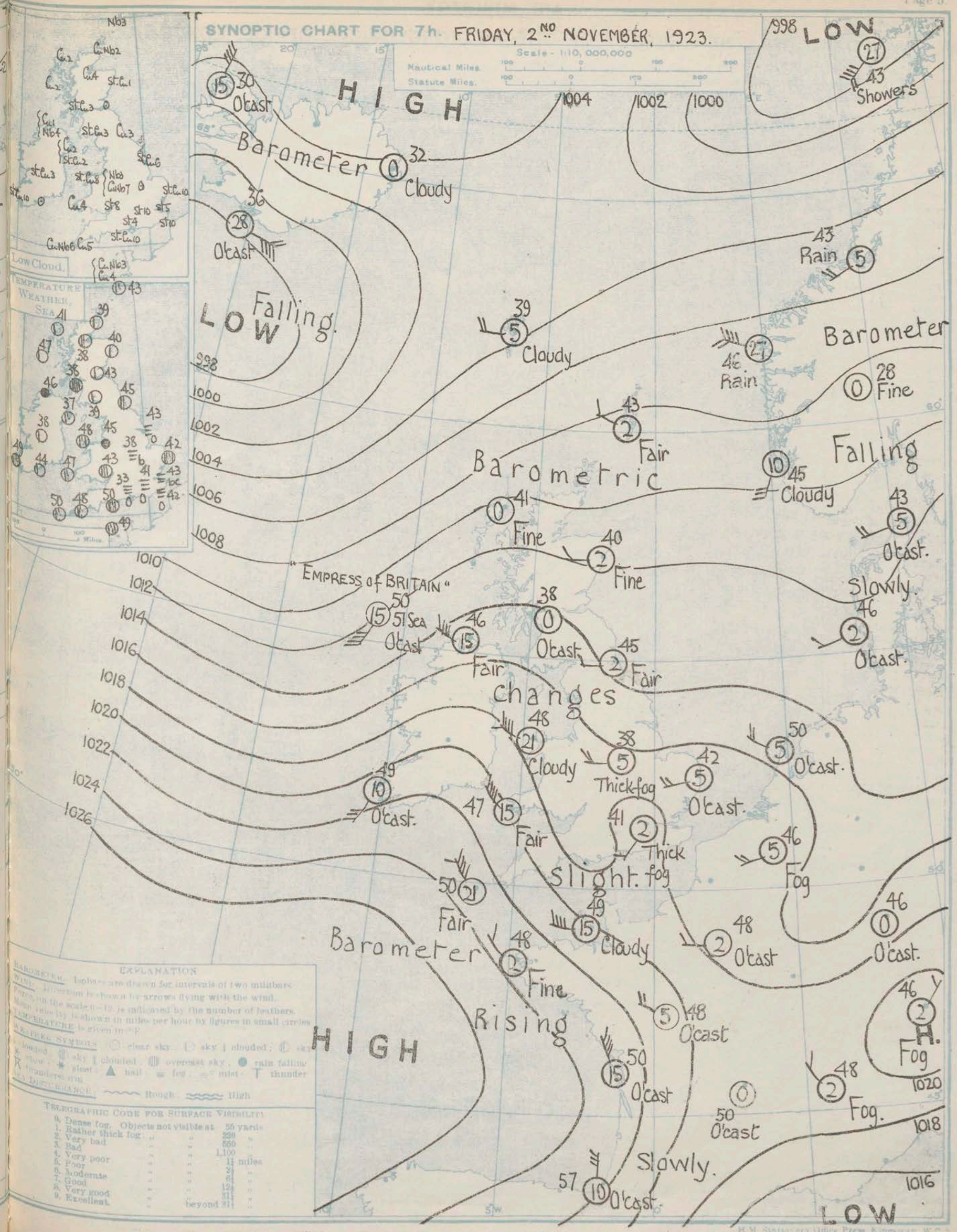
Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	1st 10h	Hibernia	S	2	cv	52	54	9
1	1st 12h	Reindeer	NE	4	oR-	52	56	6
3	2nd 2h	-	N	2	mbf	50	56	4

GENERAL INFERENCE.

A new depression is indicated southwest of Iceland moving east or northeast, and winds over the British Isles will be westerly, light or moderate in the South and stronger in the North. Over the southern half of England weather will be mainly fair, but there is likely to be some rain or showers further North, with, however, some fair periods.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 2nd November, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind westerly, light or moderate; mainly fair; mist locally at night; moderate day temperature, frost locally at night.	Mainly fair in the South, changeable in the North. ----------
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind southwesterly to westerly, moderate, fresh or strong in places; some rain or showers, fair periods; visibility moderate or good; moderate temperature.	MB


SYNOPTIC CHART FOR 7h. FRIDAY, 2ND NOVEMBER, 1923.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
HIGH
LOW
Barometer
Cloudy
Falling
Rain
Showers
Fine
Fair
Barometric
Falling
Slowly
changes
Slight fog
Thick fog
Fog
Rising
"EMPRESS OF BRITAIN"
Low Cloud.
Temperature
Weather
Sea
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind.
Force, on the scale 0—12, is indicated by the number of feathers.
Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in °F.
WEATHER SYMBOLS
TELEGRAPHIC CODE FOR SURFACE VISIBILITY
0. Dense fog. Objects not visible at 55 yards
1. Rather thick fog
2. Very bad
3. Bad
4. Very poor
5. Poor
6. Moderate
7. Good
8. Very good
9. Excellent
H.M. Stationery Office Press Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... Friday 2nd November ..... 1923. No. 306.

Observations at 0100 G.M.T. 2nd

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.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1021	-3	NW	1	or	45	97	6	4000	Nb	10	–	10
Stornoway	51	1012.0	0	W	1	0	•	•	5	•	•	•	•	•
Wick	61	1003.9	0	WNW	1	or	43	97	8	2500	Nb	10	–	10
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1014.3	+1	NW	4	bc	47	85	8	4000	CuNb	4	–	4
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1011.5	-1	SW	2	bc	46	92	8	•	St	4	–	4
Leuchars	56	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1015.0	-2	SW	1	c	44	92	5	4000	StCu	8	–	8
Blackrod Point	19	1016.7	+1	WNW	5	bc	46	85	7	•	•	•	•	4
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	38	1015.6	-1	WS	4	or	49	85	6	1500	Nb	10	–	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1016.1	-3	W	2	o	46	92	5	1500	St	10	–	10
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1014.5	-3	WSW	3	o	44	94	6	4000	St	10	–	10
Gorleston	13	1018.2	-1	W	2	o-	42	92	6	–	St	9	–	9
Valencia (Cahirciveen)	30	1022.1	+3	WNW	3	b	49	92	9	–	CuNb	2	–	2
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1017.3	-3	W	5	o	49	95	8	2500	StCu	9	–	9
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	42	•	•	•	•	•	•	•	•
Croydon	244	1018.4	-1	SW	2	o	43	94	4	800	St	10	–	10
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1018.8	0	NNW	2	ff	40	94	1	–	–	0	–	0
Scilly (St. Mary's)	131	1021.2	0	NNW	4	cr	49	92	8	4000	CuNb	8	–	8
Falmouth (Pendennis)	200	1019.3	0	WNW	4	b	48	95	8	5700	Cu	3	–	3
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1019.4	-1	W	4	b	50	95	7	–	–	0	–	0
Southampton (Calshot)	12	1018.9	-1	NW	1	ff	40	97	1	450	St	10	–	10
Dungeness	21	1018.0	0	N	2	bc	44	94	6	–	–	0	ASt	6
Guernsey														

Observations at 0700 G.M.T. 2nd

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sec 0-9
Lerwick	1008.8	-1	WNW	1	bc	43	92	7	4000	Nb	3	ASt	5	0
Stornoway	1010.1	-1	–	0	b	41	92	8	4000	Cu	2	–	2	0
Wick	1009.8	0	WSW	2	b	39	97	8	2500	CuNb	2	CiSt	2	0
Castlebay	1012.8	0	SW	3	b	47	85	8	2500	Cu	2	–	2	3
Nairn	1011.6	•	–	0	b	38	85	8	4000	Cu	4	–	4	•
Aberdeen	1011.9	0	W	1	b	40	92	8	5700	StCu	1	–	1	0
Malin Head	1015.1	0	WNW	4	bc	46	97	8	4000	Nb	5	–	5	3
Renfrew	1014.3	+2	–	0	o	38	97	6	2500	StCu	3	ASt	3	
Edinburgh (Inchkeith)	1013.0	+3	W	4	b	43	92	8	•	–	0	ACu	1	2
Leuchars	1012.3	+3	W	2	b	37	92	8	–	–	0	ACu	1	•
Eskdalemuir	1015.2	+2	W	3	bf	39	85	8	2500	StCu	2	–	3	•
Tynemouth	1013.8	-1	W	1	bc	45	92	6	4000	Cu	3	CiCu	5	0
Blackrod Point	1016.9	-1	SSW	5	or	48	85	8	•	•	•	•	10	4
Donaghadee	1017.0	+1	SW	2	bc	37	97	8	800	Cu	4	–	4	2
Birr Castle	1020.2	•	W	1	b	38	97	6	2500	StCu	3	–	3	•
Holyhead	1017.3	+4	WNW	5	c	48	85	8	2500	StCu	8	–	8	4
Liverpool (Bidston)	1016.7	0	WS	1	or	45	92	5	1500	CuNb	10	–	10	3
Chester (Shotwick)	1016.5	+1	WNW	2	ojf	42	97	4	450	St	10	–	10	•
Spurn Head	1015.5	-1	WSW	4	ffbc	43	92	3	4000	StCu	6	–	6	2
Birmingham (Edgbaston)	1017.5	0	SW	3	bc	41	92	6	2500	StCu	6	–	6	•
Nottingham	1016.8	+1	W	2	ffo	38	97	1	–	–	0	ACu	1	•
Cranwell	1016.8	0	WS	3	mmb	40	97	5	–	–	0	–	0	•
Gorleston	1017.3	0	WSW	2	o	42	97	5	5700	StCu	10	–	10	0
Valencia (Cahirciveen)	1021.7	0	SWS	3	o	49	75	8	2500	StCu	10	–	10	4
Roches Point	1022.0	+1	W	1	b	44	92	8	–	–	0	Ci	3	0
Pembroke (St. Ann's H.)	1020.0	+3	NNW	4	bc	47	95	8	4000	Cu	4	–	4	4
Ross-on-Wye	1017.4	+1	SW	1	c	43	97	9	2500	St	8	–	8	•
Leafield	1018.0	-1	W	2	of	39	97	6	1500	StCu	9	–	9	•
Andover	1017.8	-1	–	0	ff	36	97	1	<150	St	10	–	10	•
S. Farnborough	1017.7	-1	–	0	ff	33	97	3	450	St	4	ASt	10	•
London (Kew Obsy.)	1018.2	0	SSW	1	ff	41	97	1	<150	St	10	–	10	•
Croydon	1018.3	-1	SSW	3	ffbc	38	97	2	–	–	0	ACu	5	•
Clacton-on-Sea	1017.2	-1	W	1	ffbc	43	97	2	2500	St	5	–	5	1
Shoeburyness	1017.8	0	–	0	ff	43	92	1	220	St	10	–	10	•
Grain	1018.2	-1	SSW	3	ff	41	97	1	<150	St	10	–	10	0
Lympne	1018.1	0	NW	2	ff	40	97	1	<150	St	10	–	10	•
Scilly (St. Mary's)	1022.5	+2	NNW	5	bc	50	75	8	4000	CuNb	6	–	6	5
Falmouth (Pendennis)	1021.5	+3	NW	3	bc	48	75	8	5700	Cu	5	–	5	0
Plymouth (Cattewater)	1020.7	+3	WN	3	bf	47	85	8	4000	StCu	3	–	3	0
Portland Bill	1016.7	-2	NW	4	of	50	65	7	4000	StCu	10	–	10	0
Southampton (Calshot)	1017.5	-2	E	2	mo	45	97	5	1500	St	10	–	10	3
Dungeness	1017.7	0	N	1	ff	42	97	1	220	St	10	–	10	0
Guernsey	1020.7	+1	WNW	4	cr	49	85	8	4000	Cu	4	–	4	1

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR... 1st October

STATIONS	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 31st-1st °F.	Temperature. Max. Day. 1st °F.	Rainfall.† Night 17h.-9h. 31st-1st mm.	Rainfall.† Day 9h.-17h. 1st mm.	Sunshine.	Sunshine. Sunrise to Sunset. 1st hr.
Montrose	bc	bem	31	51	-	-		6.0
Berwick-on-Tweed	emzb	cocc	36	50	-	-		2.8
Llandudno	o	c	46	52	-	-		0.0
Colwyn Bay	bc	bc	47	52	-	-		0.0
Rhyl	oc	c	44	52	-	-		0.0
Southport	o	o	46	50	-	-		0.0
Blackpool	o	o	46	50	0.2	-		0.0
Ilkley	omo	m	37	56	-	-		0.0
Harrogate	om	om	39	47	-	-		0.0
Skegness	ocb	bbem	39	51	trace	-		1.9
Aberystwyth	ooc	b	43	53	-	-		0.3
Bath	mbcc	cbcbm	35	51	trace	-		0.5
Leamington Spa	ocb	cbf	41	54	-	-		4.2
Lowestoft	fr	fo	43	50	-	12		0.0
Felixstowe	omr	ombm	41	49	1	7		0.0
Southend	fr	fo	43	49	2	7		0.0

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 31st-1st °F.	Temperature. Max. Day. 1st °F.	Rainfall.† Night 17h.-9h. 31st-1st mm.	Rainfall.† Day 9h.-17h. 1st mm.	Sunshine.	Sunshine. Sunrise to Sunset. 1st hr.
Ilfracombe	bcc	cbcb	42	55	-	-		3.8
Bude	b	b	35	54	-	-		5.2
Torquay	b	b	42	55	-	-		6.1
Weymouth	oc	bem	44	54	-	-		1.3
Bournemouth	m	m	41	51	1	0.3		0.7
Portsmouth (S'thsea)	omd	bbcom	43	52	2	1		0.3
Littlehampton	ocroc	bbbom	46	51	3	2		0.3
Worthing	o	oco	43	51	4	3		0.2
Brighton	rroc	oocom	47	54	3	4		0.2
Eastbourne	r	o	48	52	4	6		0.0
Hastings	morr	orom	48	50	5	8		0.0
Folkestone	r	o	49	53	3	5		0.0
Dover	or	orri	50	57	3	7		0.0
Tunbridge Wells	or	om	42	49	2	5		0.0
Ramsgate	r	r	48	51	3	8		0.0
Margate	or	or	48	52	3	8		0.0
Deal	r	rrc	47	52	4	7		0.0

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22626 Saturday, 3rd November 1923.

Observations at 1300 G.M.T. 2nd / Observations at 1800 G.M.T. 2nd

STATIONS. (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.¹	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	State of ground.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.¹	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1007.1	-2	W	2	bcbr0	47	85	7	4000	CuNb	3	CiCu	5	*	1003.0	-5	S	1	c/r	46	85	6	5700	StCu	4	A.St	7	0
Stornoway	1006.1	-4	SW	3	bt	49	85	8	4000	Cu	3	-	3	*	1000.4	-5	SSW	3	opr0	48	97	7	800	St	10	-	10	2
Wick	1007.6	-3	WSW	4	bc	48	85	8	2500	CuNb	3	ACu	4	*	1002.1	-8	SW	5	o	47	85	8	5700	StCu	5	A.St	10	3
Castlebay	1008.6	-4	SW	5	opr0	50	85	8	1500	Nb	10	-	10	*	1002.7	-4	SW	4	or	51	97	7	800	Nb	10	-	10	4
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1003.8	*	WSW	2	c+	47	85	8	1500	CuNb	7	-	7	*
Aberdeen	1010.8	-2	WSW	2	b.	51	65	8	2500	Cu	1	-	1	1	1007.2	-4	SW	2	o+	44	85	5	7200	StCu	9	-	9	0
Malin Head	1011.8	-3	SW	4	or0	49	85	8	5700	Nb	8	ACu	9	*	1006.5	-4	S	4	oDD	49	97	6	800	St	10	-	10	3
Renfrew	1013.4	-2	SW	3	cpr0	47	75	8	2500	CuNb	5	Ci	8	1	1009.5	-4	SSW	3	or0	46	97	6	1500	Nb	10	-	10	*
Edinburgh (Inchkeith)	1012.0	-3	WSW	4	bc/m	48	85	8	*	Cu	3	ACu	5	*	1008.7	-3	WSW	4	o+	46	97	8	*	StCu	2	A.St	10	2
Leuchars	1011.5	-2	WSW	4	b	49	75	8	4000	StCu	3	-	3	0	1008.4	-4	SW	3	o+	45	85	7	4000	StCu	8	A.St	10	*
Eskdalemuir	1014.2	-2	SW	4	c	45	75	8	2500	StCu	8	-	8	1	1011.8	-3	SWS	4	o	43	85	7	4000	StCu	9	-	9	*
Tynemouth	1014.5	0	WNW	1	b	50	75	7	4000	Cu	2	-	2	*	1013.6	0	SW	1	c+	47	85	7	1500	St	7	-	7	0
Blacksod Point	1012.9	-5	S	3	o+	52	92	7	*	*	*	*	10	*	1010.2	-2	SW	5	mo+	52	97	4	*	*	*	*	10	7
Donaghadee	1016.1	-1	W	3	bc+	50	75	8	800	Cu	2	Ci.St	5	*	1011.8	-4	SW	3	or0	47	92	7	450	St	10	-	10	3
Birr Castle	1017.6	*	SE	1	oror0	48	85	7	2500	Nb	10	-	10	*	1013.3	*	W	1	or0+	52	97	5	1500	Nb	10	-	10	*
Holyhead	1018.2	-1	SWW	4	bc+	51	75	8	2500	Cu	5	Ci.St	6	0	1015.8	-3	SSW	5	or0+	49	97	7	800	Nb	10	-	10	3
Liverpool (Bidston)	1017.3	-1	WS	5	b-	49	75	8	2500	StCu	3	-	3	*	1016.2	-1	SSW	3	o+	46	85	6	2500	St	6	A.St	10	3
Chester (Shotwick)	1017.9	0	WN	4	bc-	51	65	8	4000	Cu	4	-	4	2	1016.6	-1	SW	3	o	46	85	8	2500	StCu	8	A.St	9	
Spurn Head	1015.8	0	W	5	bc	49	85	5	-	-	0	AC	4	*	1016.5	+2	WSW	3	b	45	92	5	-	-	0	-	0	2
Birmingham (Edgbaston)	1018.3	+1	W	3	c	51	75	7	4000	Cu	8	-	8	1	1018.8	0	WSW	3	bc	45	75	7	-	-	0	A.St	4	*
Nottingham	1016.9	0	W	3	b	51	65	7	2500	Cu	1	-	1	*	1017.6	+1	W	2	b	44	85	6	..	-	0	-	0	*
Cranwell	1017.1	0	NWW	3	b	50	85	6	4000	Cu	3	-	3	1	1018.0	+1	SW	2	b	42	97	6	2500	St	3	-	3	*
Gorleston	1017.4	0	W	3	b-	52	65	6	5700	Cu	2	-	2	*	1018.0	0	SWW	1	b-	45	92	6	2500	St	2	-	2	0
Valencia (Cahirciveen)	1018.0	-5	SWW	4	o/r	54	92	6	800	St	10	-	10	1	1017.5	+1	WSW	4	od0	53	97	6	800	St	10	-	10	4
Roches Point	1019.4	-5	SW	3	od0	50	97	6	1500	CuNb	10	-	10	*	1016.5	-1	WNW	1	c-	53	97	8	4000	StCu	7	-	7	0
Pembroke (St. Ann's H.)	1021.0	0	NW	4	bc	50	75	8	4000	Cu	4	-	4	*	1018.2	-3	WSW	4	o	50	97	6	800	St	10	-	10	4
Ross-on-Wye	1018.8	+2	NW	3	bc-	52	65	9	4000	Cu	4	-	4	1	1018.9	0	SSW	2	bc	45	75	8	-	-	0	A.Cu	4	*
Leafield	1019.1	+2	NW	3	o/b	48	75	8	2500	CuNb	7	ASt	9	※	1020.2	+2	W	2	b-	41	85	8	-	-	0	A.Cu	2	*
Andover	1019.1	+1	NWW	3	o+	49	86	7	2500	StCu	10	-	10	0	1020.6	+2	WSW	2	b-	42	92	7	4000	StCu	2	A.Cu	3	※
S. Farnborough	1019.0	+1	W	2	mmo	52	75	6	1500	Cu	7	-	7	1	1020.3	+3	WSW	1	mmbc	41	97	6	4000	StCu	4	-	4	*
London (Kew Obsy.)	1018.6	0	SW	2	b-	50	75	6	-	-	0	ACu	1	1	1020.2	+4	SW	1	b-	46	85	5	-	-	0	-	0	*
Croydon	1018.8	+1	WNW	2	bc-	49	75	6	2500	Cu	6	-	6	2	1020.3	+3	WSW	2	b-	45	85	5	4000	StCu	2	-	2	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1019.1	+2	WNW	2	bc+	47	97	6	2500	Cu	5	-	5	0
Shoeburyness	1018.4	0	WN	1	mbc+	50	85	5	2500	St	5	-	5	*	1019.9	+2	SSW	2	mmb	47	85	5	-	-	0	-	0	*
Grain	1018.3	0	WNW	3	mmo	50	85	5	<150	St	10	-	10	1	1019.9	+2	WSW	3	bc	45	85	7	4000	StCu	4	-	4	0
Lympne	1018.8	0	NWN	3	b	52	65	7	4000	Cu	3	-	3	2	1020.4	+3	WNW	3	b	43	85	6	4000	StCu	2	-	2	*
Scilly (St. Mary's)	1023.6	0	W	4	bc	53	85	8	4000	StCu	5	-	5	*	1021.7	-2	SWW	4	odd0	53	97	4	1500	St	10	-	10	4
Falmouth (Pendennis)	1023.6	-1	NWW	3	bc	52	65	8	5700	Cu	5	-	5	*	1021.3	-2	WS	5	o+	51	92	8	4000	StCu	9	-	9	0
Plymouth (Cattewater)	1022.2	0	NW	4	bc	52	75	8	2500	Cu	2	Ci.St	4	1	1022.2	0	W	3	o+	51	85	8	4000	StCu	2	CiCu	9	0
Portland Bill	1019.7	+1	NW	4	bc-	53	65	7	4000	Cu	4	-	4	*	1021.0	0	WNW	3	bc	51	75	7	-	-	0	CiCu	4	4
Southampton (Calshot)	1019.7	+1	NW	4	o+	50	75	6	4000	StCu	9	-	9	0	1021.5	+2	W	3	b-	45	85	7	4000	StCu	1	-	1	0
Dungeness	1018.0	0	SW	1	c+	51	85	7	4000	StCu	7	-	7	*	1019.5	+2	N	1	b-	45	95	6	1500	St	3	-	3	1
Guernsey	1022.3	+1	NWW	5	c	52	75	9	2500	Cu	7	-	7	*	1023.4	+1	NWW	2	b+	49	85	8	2500	Cu	3	-	3	0

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning. (24 hours ended 0900 G.M.T. 3rd)	Weather Afternoon.	Weather Night.	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass. °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew } 24 hours ended 0700	18	ofebz	bzogbu	bmuo	*	*	35	-	Tr	3.5	*	*
Croydon } 24 hours ended 0700	244	bcfmco	bozm	bmuwo	*	*	37	Tr	Tr	5.6	*	*
Greenwich (Royal Obsy.)	149	bcom	obom	obwod	56	42	35	-	-	3.7	73	83
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	0.7	*	*
Westminster (St. James' Pk.)	37	*	*	*	54	42	39	-	-	3.2	74	44
Regent's Pk. (Botanic Gdns).	—	*	*	*	*	*	*	*	*	3.1	*	*
Camden Square	110	ome	cbc	*	56	40	39	-	-	*	*	82
Kensington Palace	80	bco	ocb	*	56	43	35	-	-	*	(At 18h) 86	81
Hampstead Observatory	450	*	*	*	54	38	34	-	Tr	4.4	*	84

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 2nd

South Kensington Max.	Time.	Min.	Time.
1.3	12h 1st	0.3	4h. 2nd
1.0	11h. 2nd		

Kew Observatory Max.	Time.	Min.	Time.
0.6	20h. 1st	0.3	15h. 2nd
0.8	10h 2nd		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 2nd 14 h 30 m. to 3rd 06 h 00 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	12.30	5.25	43
δ Ursae Minoris	12.30	5.5	41

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soil (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Stirring to day in 1500 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.¹

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	-	-	-	-
01h.	-	-	-	-
07h.	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 3rd & 4th November 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.54 6.56	11.37 11.37	4.20 4.18
Greenwich	6.59 7.1	11.44 11.44	4.29 4.27
Wick	7.35 7.38	11.56 11.56	4.17 4.14
Valencia	7.41 7.43	12.25 12.25	5.9 5.7

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain. rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = 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; - = "decreasing", + = "increasing."

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.

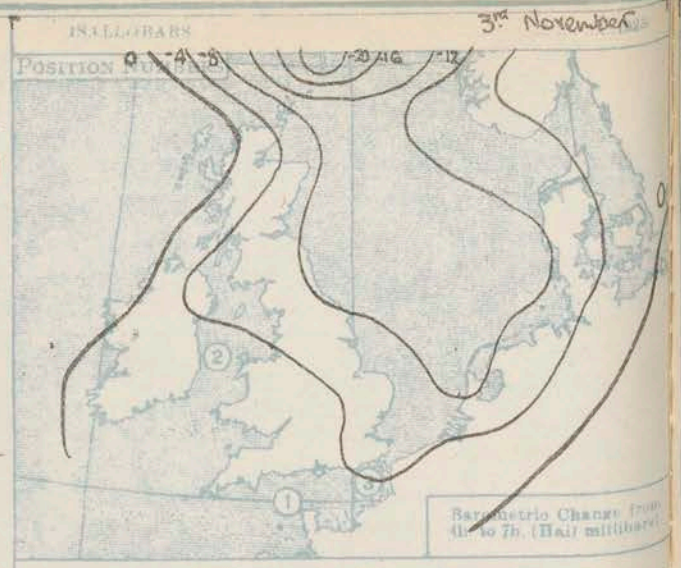
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.
0=no swell }
1=mod. swell } Calm or slight sea.
2=heavy swell }
3=no swell }
4=mod. swell } Moderate sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

¹ For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 2nd	13h.-18h. 2nd	18h. 2nd to 1h. 3rd	1h.-7h. 3rd	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 2nd. Hours.
Lerwick	bcp	bcp	omr	omr	48	42	.	1	21	<0800	<2100	3.1
Stornoway	p	p	r-d	rrq	49	44	.	1	10	1100	–	4.1
Wick	bbc	oo	orr	orrir	48	46	.	–	5	–	2200	.
Castlebay	dop	oprr.	r. r	r. roc	51	48	.	2	2	1430	–	1.8
Nairn	bc	bccg	cqir	irq/bc	48	46	.	–	5	–	2200	6.6
Aberdeen	bbc	bbccm	obrr	oq	51	43	41	–	3	–	<2100	6.9
Malin Head	bcco	oID	omDd	oDrr	49	49	.	2	7	1330	<2100	3.2
Renfrew	obcp.	cpor.	orR	orRq	49	48	43	0.1	13	1730	<2100	3.4
Edinburgh (Inchkeith)	bm	c	b	r. r	49	48	44	–	2	–	2400	6.1
Leuchars	bbc	bbcco	oo	oir.q	50	45	37	–	0.4	–	0130	5.8
Eskdalemuir	bcc	co	orr	prrm	47	41	41	–	22	–	<2100	3.8
Tynemouth	m	bbc	oir.	p. mq	52	45	42	–	0.3	–	<2100	.
Blackpool Point	o	f-m		f-m	53	45	.	1	4	–	–	.
Donaghadee	bc	omr	omr	obq	51	46	.	1	3	1730	<2100	.
Birr Castle	oro.	oro.	cor.r.	cor.r.	53	52	49	1	1	1230	<2100	0.1
Holyhead	cbc	bcco	or.r.	oro	53	49	48	0.2	5	1730	<2100	5.4
Liverpool (Bidston)	robc	bco	oqir		58	45	44	3	2	<0800	0430	5.8
Chester (Shotwick)	ormbr.	bcc	obr.q	obr.q	54	45	43	4	0.3	<0800	2200	4.5
Spurn Head	bbc	c	bcor	obqq	49	43	.	–	0.3	–	2200	6.0
Birmingham (Edgbaston)	co	cbc	bccor.	or.	51	43	39	.	0.5	–	2200	5.0
Nottingham	bbc	b	bco	o	51	43	37	–	–	–	–	3.1
Cranwell	bmobc	c	r-d	o	51	41	33	–	0.1	–	2200	5.4
Gorleston	cmbob	b	bbc	obqu	53	41	38	–	Trace	–	0530	6.5
Valencia (Cahirciveen)	ofo	orod	bco	oom	54	53	50	3	0.5	1100	<2100	0.0
Roches Point	odm	d.oc	cb	bom	54	53	.	0.2	1	1230	–	.
Pembroke (St. Ann's H.)	bbc	co	oqbr	or.r	52	50	.	–	2	–	<2100	6.2
Ross-on-Wye	ebcyc	bcycybc	coq	d.oq	53	45	40	–	0.1	–	–	5.6
Leafield	corp	bc	bccr.	r. r.q	51	40	32	–	1	–	2200	4.5
Andover	offo	ocbc	bbcc	ooro	50	38	30	–	0.5	.	0130	2.8
S. Farnborough	fomc	pcbmw	bcm	or.o	53	36	33	Trace	0.5	1530	0130	2.4
London (Kew Obsy.)	pfebz	b303bm	bmwow	owo	51	43	35	–	Trace	–	–	2.5
Croydon	bcfmco	bo3m	bmwo	or.r.q	53	42	37	Trace	Trace	–	0430	5.3
Clacton-on-Sea	bcfm	bcmbc	pcb	bogb	52	45	40	–	0.2	–	0630	6.4
Shoeburyness	offbcm	bcmcm	bm	cobr.	52	43	36	Trace	Trace	–	0630	3.6
Grain	fo	cbcw	bccwo	ow	51	42	33	Trace	Trace	–	–	3.6
Lympne	abfm	bm	bcco	or.F	52	39	33	Trace	0.1	–	0430	5.1
Scilly (St. Mary's)	bc	bccod	oifd	ofd	54	51	.	0.2	0.5	1530	<2100	5.0
Falmouth (Pendennis)	bc	bcco	comd	omd	54	50	.	–	1	–	2200	5.4
Plymouth (Cattewater)	bbccbdc	bcbo	od	od	53	50	39	0.3	0.6	<0800	<2100	4.1
Portland Bill	bbc	bbc	c	b	54	51	.	–	0.4	–	0230	.
Southampton (Calshot)	c	c	c	odpir.	51	43	39	–	Trace	–	0130	3.2
Dungeness	off	c	bbc	o	54	45	.	–	0.2	–	0630	.
Guernsey	bcc	cbcb		ido	52	48	.	–	0.2	–	–	.



Observations from Cross Channel Steamers

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.	Visibility.
2	2nd 1010	HIBERNIA	W	4	b	51	53	6
4	3rd 0200	DIEPPE	SW	5	co+	52	56	4

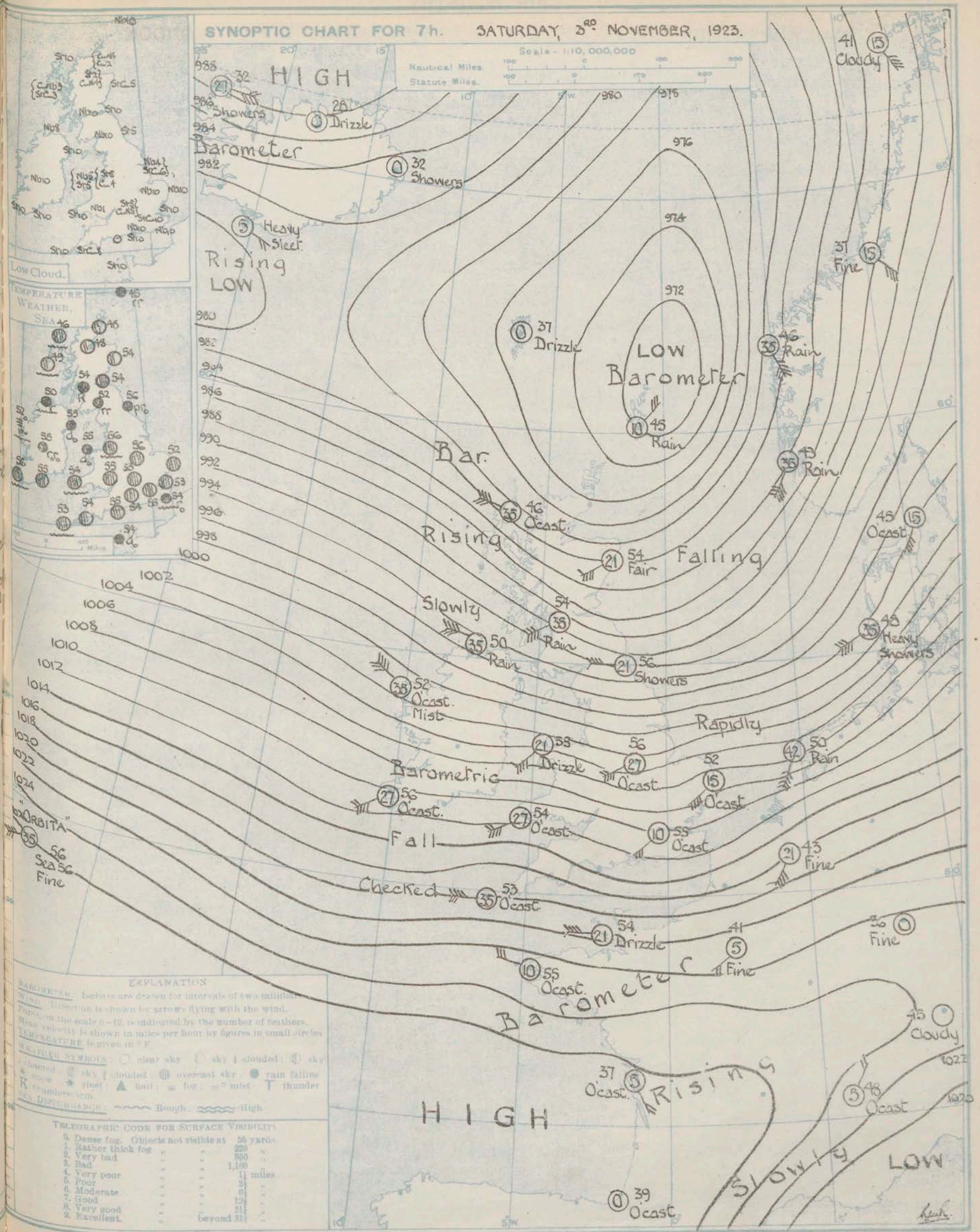
GENERAL INFERENCE.

A rapid change in the pressure distribution has taken place during the last twentyfour hours, and a westerly type is now established over the British Isles with depressions passing between Iceland and Scotland and an anticyclone extending from the Azores to Spain. Winds will be strong to a gale and weather mainly cloudy, with occasional rain and a temperature somewhat above normal for the time of the year.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 3rd November, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind westerly, strong, a gale at times in exposed places; mainly cloudy, occasional rain or drizzle; visibility mainly moderate or good but some mist on coast and hills; rather mild.	Unsettled.
5. S.W. England	Wind westerly, strong, a gale at times in exposed places; mainly cloudy, occasional rain or drizzle; visibility mainly moderate or good; rather mild.	
6. South Wales 7. North Wales 8. N.W. England	As 1.	South Cone hoisted 0220 GMT. today.
9. N. Midlands 10. N.E. England	As 2 - 4.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Wind westerly, strong, a gale at times in exposed places; changeable, some rain or showers; visibility mainly moderate or good; moderate temperature or rather mild.	
18. N.E. Ireland	As 2 - 4.	
19. S.E. Ireland 20. S.W. Ireland	As 1.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0915 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... Saturday, 3rd November 1923. No. 307.

Observations at 0100 G.M.T. 3rd

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.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	996.3	-13	WSW	3	orr	44	97	6	4000	Nb	10	–	10
Stornoway	51	986.5	-14	WSW	2	or+	•	•	4	•	•	•	•	•
Wick	81	987.4	-14	SW	3	orr	44	97	7	2500	Nb	10	–	10
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	40	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	997.6	-6	SW'W	7	oD	53	97	6	800	Nb	10	–	10
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	994.8	-13	SW	4	o	52	97	8	•	–	0	ASt	9
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1002.1	-8	SW	2	o/r	44	92	7	1500	St	10	–	10
Blacksod Point	10									•	•	•	•	
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1007.9	-3	SW'S	6	or–	54	92	8	1500	Nb	10	–	10
Liverpool (Bidston)	180	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1008.1	-4	SSW	6	or+	44	92	7	5700	Nb	10	–	10
Birmingham (Edgbaston)	526	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1011.1	-9	SW'W	5	or	44	97	6	1500	Nb	10	–	10
Gorleston	13	1013.8	-1	SSW	3	o+	42	85	4	5700	StCu	10	–	10
Valencia (Cahirciveen)	30	1014.5	-3	SSW	4	C+	53	92	8	–	St	8	–	8
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1014.6	-2	SW'W	~~4~~ 5	orr	53	97	6	1500	Nb	10	–	10
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	550	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	296	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	48	•	•	•	•	•	•	•
Croydon	244	1017.1	-5	SW	4	o+	46	85	4	–	–	0	CiSt	10
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1018.0	-3	W	4	o	46	92	8	1500	St	9	–	9
Scilly (St. Mary's)	131	1020.2	-1	W	5	if o	54	97	3	800	St	10	–	10
Falmouth (Pendennis)	200	1018.3	-2	W	4	odd	54	92	6	2500	Nb	10	–	10
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	18	1016.5	-4	WSW	6	o+	55	92	4	1500	St	10	–	10
Southampton (Calshot)	12	1017.6	-4	SW'W	5	odd	51	97	7	1500	St	10	–	10
Dungeness	21	1017.6	-4	SW	4	b+	52	75	8	4000	Nb	2	–	2
Guernsey														

Observations at 0700 G.M.T. 3rd

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1000.4	-21	NE	3	orr	45	97	6	4000	Nb	10	–	10	2
Stornoway	996.6	+3	WNW	7	o/r	46	97	7	450	St	10	–	10	6
Wick	997.3	-5	WSW	6	bc/r	48	92	8	2500	CuNb	6	–	6	3
Castlebay	988.8	+1	NW	6	bc/r	49	65	7	1500	StCu	6	–	6	7
Nairn	981.6	•	W	12	bc/r	48	78	8	1500	CuNb	6	–	6	•
Aberdeen	982.5	-4	WSW	12	bc	54	75	8	4000	StCu	5	–	5	3
Malin Head	994.1	-1	W'N	7	or	50	97	7	4000	Nb	8	ASt	10	6
Renfrew	983.8	-6	WSW	7	oR	54	85	6	800	Nb	10	–	10	•
Edinburgh (Inchkeith)	984.8	-7	WSW	7	o/r	54	92	8	•	St	10	–	10	4
Leuchars	985.6	-4	W	6	or	54	85	7	1500	Nb	10	–	10	•
Eskdalemuir	992.5	-6	SW	7	orr	52	92	5	450	Nb	10	–	10	•
Tynemouth	993.0	-8	W	5	ch	56	85	6	800	St	5	CiCu	8	2
Blacksod Point	1000.5	+3	NW	7	mmo	52	97	4	•	•	•	•	10	7
Donaghadee	996.5	-6	SSW	7	od	55	92	8	450	St	10	–	10	4
Birr Castle	1004.4	~~-1~~	W	7	orr	55	97	5	1500	Nb	10	–	10	•
Holyhead	1004.1	~~x~~-3	SW'S	7	od	55	92	6	1500	Nb	10	–	10	4
Liverpool (Bidston)	1001.8	-4	SW'W	7	o/r	56	85	8	1500	St	10	–	10	7
Chester (Shotwick)	1008.6	-3	W	4	o	56	85	7	800	St	6	ASt	10	•
Spurn Head	1009.3	-5	SW	7	o	54	97	8	2500	StCu	10	–	10	4
Birmingham (Edgbaston)	1006.2	-4	SW	5	o	55	88	8	800	St	10	–	10	•
Nottingham	1003.8	-5	WSW	6	o	56	85	7	800	Nb	10	–	10	•
Cranwell	1003.9	-5	WSW	5	o	55	97	8	2500	StCu	6	ASt	10	•
Gorleston	1004.4	-5	SW	4	o+	52	85	7	2500	Nb	10	–	10	1
Valencia (Cahirciveen)	1012.1	-3	SW'W	6	o	56	85	6	800	St	10	–	10	6
Roches Point	1010.3	-3	SW	4	o	55	97	6	800	St	10	–	10	6
Pembroke (St. Ann's H.)	1010.8	-3	WSW	6	o/r	54	92	7	1500	St	10	–	10	6
Ross-on-Wye	1008.8	-2	WSW	6	o	55	85	7	2500	Nb	1	ASt	10	•
Leafield	1003.4	-5	WSW	5	o/r	53	97	8	1500	St	10	–	10	•
Andover	1011.9	-3	WSW	4	o/r	54	92	8	800	StCu	10	–	10	•
S. Farnborough	1011.6	-3	WSW	4	o/r	54	97	7	800	Nb	10	–	10	•
London (Kew Obsy.)	1011.1	-4	SW	3	o	55	85	8	1500	StCu	10	–	10	•
Croydon	1011.3	-3	WSW	5	o/b	55	92	8	800	Nb	10	–	10	•
Clacton-on-Sea	1009.5	-6	SSW	5	o/r	53	92	7	1500	St	10	–	10	3
Shoeburyness	1009.9	-6	SW	5	opr	55	85	7	1500	StCu	10	–	10	•
Grain	1010.4	~~-1~~ -5	SW	5	o	55	92	7	1500	St	10	–	10	0
Lympne	1012.4	-5	WSW	6	odf	52	97	1	450	Nb	10	–	10	•
Scilly (St. Mary's)	1018.5	-1	W	7	o/f	~~54~~ 54	97	6	2500	St	10	–	10	7
Falmouth (Pendennis)	1014.1	-2	W	5	c+	54	92	7	2500	StCu	8	–	8	0
Plymouth (Cattewater)	1016.0	-1	WSW	5	o	53	97	7	1500	St	10	–	10	0
Portland Bill	1013.7	-4	W	6	c/r	55	85	7	–	–	0	ACu	8	4
Southampton (Calshot)	1013.3	-3	WSW	5	or	55	92	8	800	St	10	–	10	0
Dungeness	1011.6	-4	WSW	4	or	54	97	6	4000	Nb	10	–	10	7
Guernsey	1018.6	-1	W	5	od	54	97	7	1500	St	10	–	10	2

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 2nd November

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 1st-2nd °F.	Temperature. Max. Day. 2nd °F.	Rainfall.† Night 17h.-9h. 1st-2nd mm.	Rainfall.† Day 9h.-17h. 2nd mm.	Sunshine.	Sunshine. Sunrise to Sunset. 2nd hr.
Montrose	bbc	bcc	38	50	0.4	–		7.0
Berwick-on-Tweed	b	b	37	50	–	–		6.1
Llandudno	cb	cbbcc	44	52	3	–		5.2
Colwyn Bay								
Rhyl	mbc	bc	43	53	–	–		5.8
Southport	dcbcb	bbco	43	52	9	–		5.0
Blackpool	cb	cco	43	52	2	–		4.8
Ilkley	mbcb	b	36	53	–	–		4.9
Harrogate	bcb	b	39	51	–	–		4.8
Skegness	mb	bm	39	52	trace	–		5.0
Aberystwyth	rcc	b	45	51	7	–		5.5
Bath	mbbc	bcbm	35	54	4	–		4.4
Leamington Spa	bc	bc	38	51	–	–		5.8
Lowestoft	b	b	40	53	–	–		6.7
Felixstowe	cm	bc	40	52	–	–		5.7
Southend	f	com	40	50	0.1	–		1.8
Ilfracombe	bc	bcc	46	53	2	–		7.1
Bude	chcbc	bcco	46	53	–	–		7.1
Paignton								
Torquay	b	b	43	58	–	–		*
Weymouth	cbc	bcb	40	56	–	–		6.0
Bournemouth	b	b	37	52	–	–		5.2
Portsmouth (S'thsea)	bbc	bcbm	40	51	–	–		4.0
Littlehampton	bcmbc	bc	37	51	–	–		5.6
Worthing	obc	bc	*	54	–	–		4.3
Brighton	fbc	bcco	39	54	–	–		4.2
Eastbourne	focbc	bcb	40	55	0.1	–		5.9
Hastings	fcbc	cbcbm	39	54	0.2	–		4.8
Folkestone	f	b	38	53	2	–		5.7
Dover	fcbcb	bbcbm	38	55	–	–		6.3
Tunbridge Wells	fbbc	bcbm	38	53	trace	–		6.3
Ramsgate	fbcb	bbcm	39	52	–	–		4.5
Margate	ofbc	bbco	40	52	–	–		3.5
Deal	mbcb	bbcm	38	52	–	–		6.2

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* Information on these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. § See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22627 Sunday 4th November 1923.

Observations at 1300 G.M.T. 3rd

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	972.2	+4	WNW	2	ovr	42	92	6	4000	Nb	10	-	10	*
Stornoway	983.3	+3	WNW	6	cPR	43	85	6	800	Nb	8	-	8	*
Wick	980.2	+1	W	6	cPH	40	97	8	1500	CuNb	7	-	7	*
Castlebay	990.5	+1	W	6	bc	45	75	8	2500	CuNb	6	-	6	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	985.1	+4	WNW	6	b	48	65	8	2500	Cu	1	-	1	1
Malin Head	996.8	+3	WNW	8	bcPR	47	85	8	3700	CuNb	2	A.Cu	4	*
Renfrew	994.0	+3	W	6	bc/r	43	75	8	2500	CuNb	6	-	6	2
Edinburgh (Inchkeith)	988.6	+5	WSW	7	b-	46	85	8	*	Cu	3	-	3	*
Leuchars	989.1	+5	W	6	bjp	44	75	8	2500	CuNb	3	-	3	1
Eskdalemuir	995.4	+2	W	6	o/r	43	85	8	2500	StCu	9	-	9	2
Tynemouth	993.1	0	W	6	bc/r	52	75	7	800	CuNb	4	-	4	*
Blacksod Point	1005.0	+2	NW	7	or_o	46	75	7	*	*	*	*	10	*
Donaghadee	999.5	+2	WNW	6	b/r	48	75	8	450	StCu	3	-	3	*
Birr Castle	1006.9	*	W	5	c-	49	75	7	2500	Nb	8	-	8	*
Holyhead	1003.1	+1	W	7	ojp	54	75	8	1500	Nb	9	-	9	1
Liverpool (Bidston)	1000.0	-1	W'S	8	bc-	53	75	8	2500	StCu	4	-	4	*
Chester (Shotwick)	1001.6	+1	WNW	6	bc/r	55	85	8	1500	St	6	-	6	2
Spurn Head	996.3	-3	WSW	6	o	57	85	7	2500	StCu	10	-	10	*
Birmingham (Edgbaston)	1002.0	-2	SW	5	ojp	57	85	8	4000	CuNb	10	-	10	1
Nottingham	999.3	-4	W	7	o+	61	65	8	800	StCu	9	-	9	*
Cranwell	999.8	-4	WSW	6	o	60	85	8	2500	StCu	9	-	9	1
Gorleston	1003.3	-2	SW'W	6	o	59	92	7	-	-	0	A.St	10	*
Valencia (Cahirciveen)	1012.7	+2	W	5	o	52	75	7	2500	StCu	7	A.St	10	1
Roches Point	1009.8	+1	NW	5	c-	52	85	8	1500	CuNb	5	Ci	7	*
Pembroke (St. Ann's H.)	1008.1	-3	SW'W	7	ojp	54	97	7	1500	St	10	-	10	*
Ross-on-Wye	1005.5	-3	WSW	6	o	57	75	7	2500	StCu	10	-	10	1
Leafield	1005.5	-3	WSW	5	o	53	97	6	1500	St	10	-	10	*
Andover	1009.2	-3	WSW	5	odd	56	92	6	1500	Nb	10	-	10	1
S. Farnborough	1008.4	-3	SW	5	o^{oo}	57	85	7	1500	StCu	10	-	10	1
London (Kew Obsy.)	1007.3	-4	SW	4	o	58	75	8	2500	StCu	10	-	10	1
Croydon	1008.0	-3	WSW	5	o	57	75	7	800	Nb	8	A.St	10	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1006.3	-3	SSW	6	o	58	75	7	1500	StCu	10	-	10	*
Grain	1006.9	-4	SW	6	o-	58	75	7	1500	St	6	A.St	10	1
Lympne	1009.0	-3	WSW	6	o	55	85	7	800	St	10	-	10	2
Scilly (St. Mary's)	1015.9	-2	W	7	o	55	97	6	1500	StCu	10	-	10	*
Falmouth (Pendennis)	1013.9	-3	W'N	6	o	57	85	7	2500	StCu	9	-	9	*
Plymouth (Cattewater)	1013.2	-3	W'S	5	o	56	92	7	1500	St	10	-	10	1
Portland Bill	1010.4	-6	WSW	7	o+	56	85	7	1500	St	10	-	10	*
Southampton (Calshot)	1010.1	-5	WSW	6	o	56	92	96	800	St	9	A.St	10	0
Dungeness	1009.3	-3	WSW	7	o+	56	92	6	4000	St	10	-	10	*
Guernsey	1016.6	-3	W'S	6	o	55	97	7	1500	St	10	-	10	*

Observations at 1800 G.M.T. 3rd

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	973.4	+3	W'N	2	or	41	97	6	4000	Nb	10	-	10	1
Stornoway	983.9	0	WNW	6	cPH	40	92	6	800	Nb	8	-	8	5
Wick	980.5	0	W	5	bcp	39	92	8	2500	CuNb	6	-	6	6
Castlebay	990.3	0	W	6	cPH	43	75	7	1500	St	8	-	8	7
Nairn	985.1	*	W	4	c/r	38	92	8	1500	CuNb	7	-	7	*
Aberdeen	987.2	+2	SW'W	5	b	39	85	8	2500	CuNb	1	-	1	3
Malin Head	996.8	-2	W	9	oR_o	46	85	7	4000	Nb	9	-	9	8
Renfrew	994.1	+1	WNW	6	oPR	42	85	7	800	Nb	9	-	9	*
Edinburgh (Inchkeith)	990.2	+3	WSW	7	bcr_o	43	92	8	*	St	5	-	5	4
Leuchars	990.0	0	W	5	cr	40	85	8	2500	CuNb	8	-	8	*
Eskdalemuir	996.7	0	W	7	oPR	39	75	7	2500	Nb	10	-	10	*
Tynemouth	996.3	+3	W	5	b/r	44	75	6	-	-	0	-	0	2
Blacksod Point	1005.4	0	W	8	c-	46	75	7	*	*	*	*	7	9
Donaghadee	1000.9	+1	WNW	6	b-	43	75	8	-	-	0	-	0	6
Birr Castle	1008.4	*	W	3	c-	43	85	5	2500	Cu	7	-	7	*
Holyhead	1005.0	+1	W	7	o	49	65	8	1500	StCu	9	-	9	6
Liverpool (Bidston)	1002.9	+3	WSW	7	c/r	47	75	8	2500	St	8	-	8	8
Chester (Shotwick)	1004.4	+3	W	7	o'R-	46	85	7	2500	Nb	8	Ci.St	9	*
Spurn Head	1000.0	+4	WNW	7	b-	49	75	7	4000	Cu	2	-	2	4
Birmingham (Edgbaston)	1005.8	+2	WSW	4	b/r	48	75	8	4000	Cu	3	-	3	*
Nottingham	1003.1	+4	W	5	b-	49	65	6	1500	Nb	1	-	1	*
Cranwell	1003.5	+5	WNW	5	c-	47	85	8	2500	StCu	8	-	8	*
Gorleston	1003.4	0	W	2	b/r	51	85	7	-	-	0	-	0	4
Valencia (Cahirciveen)	1014.3	+2	W	5	cpr_o	47	75	7	2500	St	8	-	8	6
Roches Point	1012.5	+3	NNW	2	bc-	47	92	8	2500	StCu	5	-	5	0
Pembroke (St. Ann's H.)	~~1004.1~~	+3	W	7	bc	50	75	8	2500	StCu	6	-	6	6
Ross-on-Wye	1007.5	+3	W'S	5	bc-	51	65	8	4000	Cu	4	-	4	*
Leafield	1007.0	+3	WSW	3	b-	48	75	8	2500	Nb	3	-	3	*
Andover	1008.4	0	W	6	o/r	52	92	7	1800	Nb	10	-	10	*
S. Farnborough	1007.6	0	WSW	5	or_o	53	97	6	800	Nb	10	-	10	*
London (Kew Obsy.)	1006.8	0	SW	4	o	55	85	8	2500	StCu	9	-	9	*
Croydon	1007.1	0	W	5	o/r	55	85	7	800	Nb	8	A.St	10	*
Clacton-on-Sea	1004.8	-1	SW	4	od$_o$r	55	92	5	1500	St	10	-	10	3
Shoeburyness	1005.4	0	WSW	5	or+	55	85	7	800	Nb	10	-	10	*
Grain	1006.1	0	SW	6	od$_o$	55	85	7	2500	StCu	10	-	10	0
Lympne	1007.8	-1	W	6	o/r	55	92	6	450	St	10	-	10	*
Scilly (St. Mary's)	1015.5	-1	W'N	7	opr_o	55	92	7	4000	CuNb	9	-	9	7
Falmouth (Pendennis)	1013.9	-1	WNW	5	o	54	85	7	1500	St	9	-	9	0
Plymouth (Cattewater)	1013.0	+1	W'N	5	or+	53	92	7	450	Nb	10	-	10	0
Portland Bill	1009.5	+4	WSW	7	cd$_o$	55	85	7	4000	CuNb	8	-	8	5
Southampton (Calshot)	1009.6	-1	W	6	c/r	55	97	7	800	St	7	-	7	3
Dungeness	1007.3	-3	SW	7	o	56	92	7	2500	St	10	-	10	7
Guernsey	1015.7	-1	W	7	mo+	55	97	6	800	Nb	10	-	10	3

1010.6

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset, hrs. (Yesterday)	Humidity. 15h. G.M.T. % (Yesterday)	Humidity. 9h. G.M.T. % (To-day)
		24 HOURS ENDED 0900 G.M.T. 4th										
Kew	18	oo	oodco	obb	*	*	36	Tr	—	0.0	*	*
Croydon } 24 hours ended 0700	244	oq	oq/drr	oq/bb	*	*	38	0.2	—	0.0	*	*
Greenwich (Royal Obsy.)	149	o	odo	oodob	58	42	36	0.3	—	0.0	92	72
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	58	43	38	(1.0)		0.0		
Regent's Pk. (Botanic Gdns).	—	*	*	*	*	*	*	*			*	*
Camden Square	110			*						*		
Kensington Palace	80	oo	odr	*	58	43	35	0.4	—	*	(At 18h.) 87	78
Hampstead Observatory	350	*	*	*								

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

34 HR. ended 1600 G.M.T. 3rd

South Kensington Max.	Time.	Min.	Time.
-	-	-	-

Kew Observatory Max.	Time.	Min.	Time.
-	-	-	-

POLE STAR RECORD at Greenwich Obsy.

Exposure from 3rd ....h. ..m. to 4th ....h. ..m.

Stars.	Exposure.	Record. h. m.	Record. h. m.	Record. %
Polaris				
δ Ursae Minoris				

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.†

Time.	Type.	No. per ¼ sec.	Stren.	Direc.
13h.	—	—	—	—
18h.	—	—	—	—
01h.	—	—	—	—
07h.	—	—	—	—

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

Sat. Sun. Mon. 4th 5th Nov., 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.56 / 6.58	11.37 / 11.37	4.18 / 4.16
Greenwich	7.1 / 7.3	11.44 / 11.44	4.27 / 4.25
Wick	7.38 / 7.40	11.56 / 11.56	4.14 / 4.12
Valencia	7.43 / 7.45	12.25 / 12.25	5.7 / 5.5

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
ip precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_o = slight rain. rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = 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:—b/r = fair weather after rain; - = "decreasing"; + = "increasing."

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.

SEA DISTURBANCE.

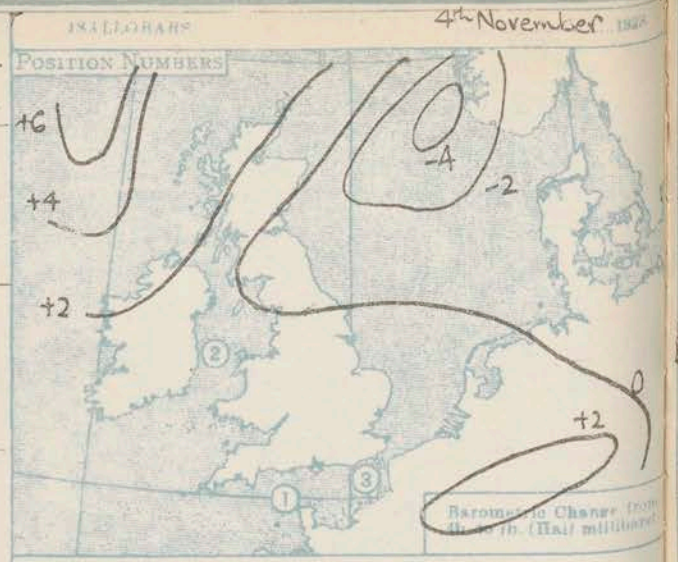
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

† For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 3rd	13h.-18h. 3rd	18h. 3rd to 1h. 4th	1h.-7h. 4th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 3rd. Hours.
Lerwick	omr	omr	bcbr	bcbr	46	39	•	7	2	<0800	<2100	0.0
Stornoway	b	b	b	bbq	46	37	•	4	8	–	–	1.0
Wick	PHRq	cPRq	obhrq	cPRq	43	36	•	2	7	<0800	<2100	•
Castlebay	chbc	cbhb	ob	orlb	49	41	•	1	2	–	–	2.7
Nairn	quPRc	cihrq	cIRq	cirq	48	36	•	3	3	0900	<2100	2.2
Aberdeen	bcqbq	bcpr	b	bbc	54	37	33	Trace	–	1330	–	6.3
Malin Head	bcPR	cPHR	cohrh	cPHR	53	44	•	2	4	<0800	<2100	2.9
Renfrew	oprq	bphrq	obHR	obhrq	54	38	35	2	4	<0800	2200	3.1
Edinburgh (Inchkeith)	bq	brh	brs	b	54	39	37	1	1	0900	<2100	3.1
Leuchars	bbcph	bprcq	obrq	obq	55	36	27	1	1	1230	<2100	6.0
Eskdalemuir	orprh	ocopr	o.PRq	oopr	52	35	33	3	10	<0800	<2100	1.4
Tynemouth	mpq	mpoq	omoq	mmpq	58	37	34	1	2	<0800	2200	•
Blacksod Point	b	hrh	hrh	b	53	38	•	1	5	–	–	•
Donaghadee	bcqp	bcqp	bcqpi	bcqp	50	40	•	1	1	1230	<2100	•
Birr Castle	cobq	cprq	cb	co	53	41	35	0.6	–	1430	–	1.3
Holyhead	dmrhc	oprq	ocbcq	bcq	55	46	43	2	–	<0800	–	1.1
Liverpool (Bidston)	opcq	coq	oqbr		56	43	40	Trace	0.4	1100	0630	2.4
Chester (Shotwick)	orpRq	cpRqbq	qroo	occq	60	44	39	2	0.2	1100	<2100	2.2
Spurn Head	oo	opro	bbc	bcqbrq	58	43	•	Trace	Trace	1430	0330	1.0
Birmingham (Edgbaston)	oro	opbc	bcb	bbc	57	41	37	1	–	1430	–	0.7
Nottingham	c	cr	b	bbc	61	41	37	1	–	1230	–	2.1
Cranwell	omoc	obboc	bbc	bbc	60	40	39	1	–	1430	–	2.2
Gorleston	oq	ocqor	bbccb	bq	59	42	37	4	0.1	1630	2400	•
Valencia (Cahirciveen)	omdpo	bccp	cb	ocbc	56	45	40	1	1	<0800	<2100	0.3
Roches Point	obboc	cbc	bcb	bbcb	57	43	•	0.2	–	1230	–	•
Pembroke (St. Ann's H.)	oo	c	cq	c	56	47	•	1	–	1100	–	0.3
Ross-on-Wye	oidqq	oqubcb	qdbcq	bcq	57	43	36	0.2	–	1430	–	0.0
Leafield	ugo	orqbc	bcc	cbcb	54	39	32	5	–	1530	–	0.0
Andover	oodm	oddmo	ocbc	bcb	57	40	34	1	–	1230	–	0.0
S. Farnborough	oo	odro	roob	b	58	39	33	0.2	–	1530	–	0.0
London (Kew Obsy.)	oo	oodco	obb	bb	58	43	36	Trace	–	–	–	0.0
Croydon	oq	oqidrr	oqb	b	57	43	38	0.2	–	1230	–	0.0
Clacton-on-Sea	oq	oqdr	ogrbcb	b	57	42	39	0.3	4	1730	<2100	0.0
Shoeburyness	oprco	r	r-d b		58	42	39	0.3	2	1630	<2100	0.0
Grain	oo	odo	ocbc	bcb	58	43	32	–	–	–	–	0.1
Lympne	ofdo	omro	omq	b	55	39	34	0.1	0.3	<0800	<2100	0.0
Scilly (St. Mary's)	ocmq	obq	cq	cocq	56	48	•	0.4	0.4	1630	<2100	0.6
Falmouth (Pendennis)	bcom	bcomd	omdbc	bcb	57	46	•	1	1	1530	0230	0.0
Plymouth (Cattewater)	oo	orq	orqb	bbcbq	57	46	34	1	0.4	1430	<2100	0.0
Portland Bill	c	r-d	bbc	bbc	57	48	•	Trace	1	1530	<2100	•
Southampton (Calshot)	bbc	odforq	bobc	cbb	57	43	40	1	0.5	1430	<2100	0.0
Dungeness	oo	oo	obr	bbc	56	45	•	0.2	0.1	<0800	2200	
Guernsey	omq	omdd	omddq	cbcb	56	48	•	0.1	6	1430	<2100	



Observations from Cross Channel Steamers.

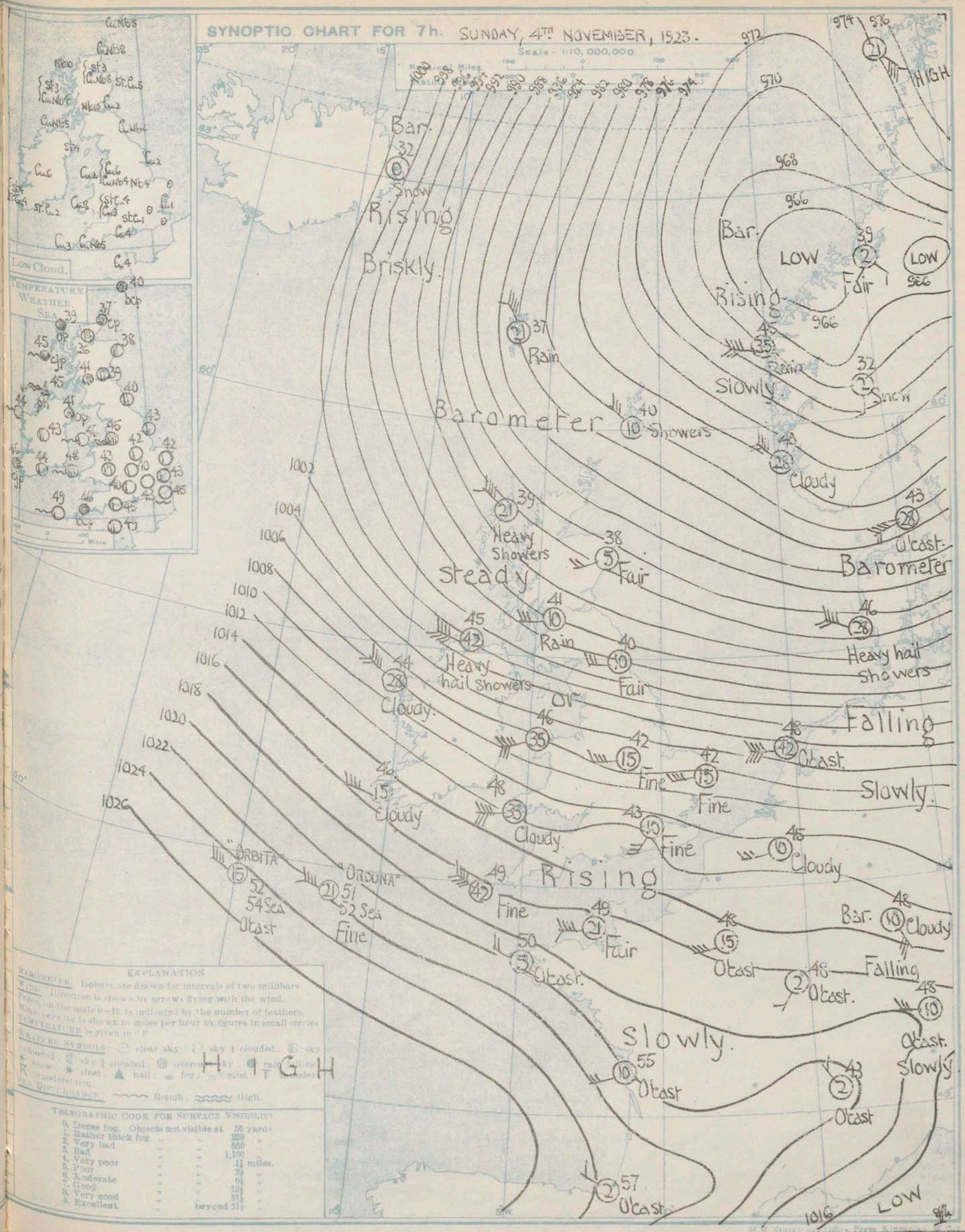
Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Allowance
2	3rd 10h	Hibernia	W	6	c	54	55	6
1	3rd 12h	Reindeer	W	7	od+	56	56	6
3	4th 2h	Arundel	WNW	6	bbc	50	55	8

GENERAL INFERENCE.

Pressure continues low from Iceland to Scandinavia and high from the Azores to the Bay of Biscay. Conditions are favourable for the development of depressions of a secondary character. The main wind current will be from between W and NW strong and squally with a variable sky and showers of rain or hail and a rather low temperature.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday 4th November, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Fresh to strong westerly wind veering North West, variable sky, squally showers perhaps hail showers locally; visibility good; moderate or rather low temperature, risk of ground frost locally.	Unsettled.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	W. to NW winds strong or high moderating, variable sky; squally showers perhaps hail showers locally, visibility good; moderate or rather low temperature risk of ground frost locally.	-----
8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Wind W to NW fresh to strong a gale in exposed places moderating gradually, squally showers of rain or hail, bright intervals, visibility good; cold with ground frost inland.	South Cone still flying all coasts.
19. S.E. Ireland 20. S.W. Ireland	Wind W to NW fresh or strong, variable sky; some showers, perhaps hail showers locally, visibility good; rather cold.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0930. GMT. G. C. SIMPSON, F.R.S., Director.


SYNOPTIC CHART FOR 7h. SUNDAY, 4TH NOVEMBER, 1923.
Scale - 1/10,000,000
Low Cloud.
TEMPERATURE
WEATHER.
SEA
Bar. Rising Briskly
Barometer Steady or Falling Slowly
Bar. Rising Slowly
Barometer Falling Slowly
Bar. Rising
Bar. Falling
LOW
HIGH
"ORBITA"
"ORDUNA"
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars
WIND. Direction is shown by arrows flying with the wind.
Force on the scale 0–12, is indicated by the number of feathers.
Mean velocity is shown in miles per hour by figures in small circles
TEMPERATURE is given in °F
WEATHER SYMBOLS
SEA DISTURBANCE: Rough. High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY
0. Dense fog. Objects not visible at 55 yards
1. Rather thick fog " " 220 "
2. Very bad " " 550 "
3. Bad " " 1,100 "
4. Very poor " " 1¼ miles.
5. Poor " " 2½ "
6. Moderate " " 6½ "
7. Good " " 12½ "
8. Very good " " 31½ "
9. Excellent. " beyond 31½ "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION...Sunday, 4th November.....1923. No. 308.

Observations at 0100 G.M.T.....4th.....

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.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	978.2	+3	NW	3	bcPR	41	85	7	4000	CuNb	5	–	5
Stornoway ...	51	983.0	+5	WNW	6	PH	•	•	5	•	•	•	•	•
Wick	81	983.0	+5	WNW	5	cPH	40	97	8	1500	CuNb	7	–	7
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	997.7	0	WNW	9	bTLRR	46	75	8	5700	CuNb	3	–	3
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh(Inchkeith)	190	990.4	0	WSW	6	b/r	43	85	8	•	–	–	0	0
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth ...	118	996.5	0	W	5	b/r	40	85	6	–	–	0	–	0
Blacksod Point ...	10	1005.8	–1	W	7	o†	46	75	7	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1005.7	0	W'S	8	bc	47	75	8	2500	Cu	5	–	5
Liverpool (Bidston)...	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1000.6	–1	WSW	7	b	45	85	7	–	–	0	–	0
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	257	1004.8	0	WSW	5	b	41	97	7	–	–	0	–	0
Gorleston	13	1006.4	+1	WSW	3	b	44	75	7	–	–	0	–	0
Valencia (Cahirciveen)	30	1014.7	+1	S'W	5	bcPR	49	85	8	–	Cu	6	–	6
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1012.1	0	W	6	bc	48	75	8	4000	Cu	6	–	6
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	250	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	18	•	•	•	•	•	46	•	•	•	•	•	•	•
Croydon	244	1010.8	+3	W'S	4	b	45	75	8	–	–	0	–	0
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1010.6	+3	WNW	4	b	43	85	8	2500	St	1	–	1
Scilly (St. Mary's)	131	1017.1	+1	W'N	4	bcbr	50	85	7	4000	CuNb	6	–	6
Falmouth (Pendennis)	200	1015.6	+2	W	5	bc	50	75	8	4000	StCu	5	–	5
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1013.1	+2	WNW	6	b-	49	75	7	–	–	0	–	0
Southampton (Calshot)	12	1012.7	+2	W	3	c+	47	85	7	1500	St	8	–	8
Dungeness ...	21	1009.9	+3	NW	6	bc-	48	75	8	–	–	0	ASt	4
Guernsey ...														

Observations at 0700 G.M.T.....4th.....

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	980.6	+2	NW	3	bcbr	40	92	7	4000	CuNb	5	–	5	2
Stornoway ...	990.2	•	NW'W	4	oPR	39	97	7	450	Nb	10	–	10	3
Wick	986.9	+2	W	4	cPR	37	92	8	2500	CuNb	8	–	8	3
Castlebay	994.7	+2	NW	5	c/b	45	75	8	1500	CuNb	7	–	7	6
Nairn	983.5	•	W	2	c/r	36	92	8	1500	CuNb	8	–	8	
Aberdeen	983.3	+1	WSW	2	bc	38	85	8	4000	StCu	5	–	5	0
Malin Head	990.5	+3	WNW	8	bcPH	45	85	8	5700	CuNb	5	–	5	8
Renfrew	994.8	–1	W	3	oR	41	85	7	800	Nb	10	–	10	
Edinburgh(Inchkeith)	991.8	0	WSW	6	bc†	39	97	8	•	Cu	2	ACu	6	4
Leuchars	991.3	0	WSW	5	o	38	85	8	2500	Nb	5	ASt	10	•
Eskdalemuir	997.5	0	WSW	5	o/r	37	85	7	1500	StCu	10	–	10	
Tynemouth ...	996.6	–1	W	3	bc/r	40	85	6	1500	CuNb	4	–	4	2
Blacksod Point ...	1008.4	+1	NW'W	6	c	44	85	7					7	7
Donaghadee	1002.0	0	W	4	bcPR	42	85	8	450	St	4	–	4	4
Birr Castle	1010.0	•	W	2	bc-	43	85	6	2500	Cu	6	–	6	4
Holyhead	1006.1	0	W'S	7	bq	46	92	7	2500	Cu	2	–	2	9
Liverpool (Bidston)...	1004.2	+1	W'S	8	o/r	45	75	8	2500	Cu	10	–	10	
Chester (Shotwick) ...	1005.7	+1	W	6	c	45	65	8	1500	St	4	–	4	
Spurn Head	1001.0	0	WSW	7	b	43	92	8	4000	Cu	2	–	2	4
Birmingham (Edgbaston)	1008.3	0	WSW	5	b	42	85	8	2500	StCu	1	–	1	
Nottingham	1005.7	+1	W	4	b	42	85	8	2500	Cu	1	–	1	
Cranwell	1005.1	0	WSW	5	b+	40	97	8	1500	StCu	1	ASt	2	
Gorleston	1007.1	0	W'S	4	b	42	75	7	–	–	0	–	0	1
Valencia (Cahirciveen)	1015.4	0	W'N	4	c/b	46	85	8	2500	St	8	–	8	0
Roches Point	1014.2	0	NW	3	b+	44	92	8	4000	StCu	2	–	2	0.6
Pembroke (St. Ann's H.)	1011.9	0	W	7	c	48	75	8	2500	Cu	8	–	8	
Ross-on-Wye	1010.1	0	WSW	3	c+	43	75	8	4000	StCu	7	–	7	
Leafield	1010.4	0	W	4	b	40	85	8	–	–	0	ACu	1	
Andover	1012.2	0	SW'W	4	b-	40	92	8	2500	StCu	1	–	1	•
S. Farnborough ...	1011.2	0	WSW	5	b+	40	97	7	–	StCu	1	–	1	•
London (Kew Obsy.)...	1011.0	+1	SW'S	3	b	43	85	8	–	–	0	–	0	•
Croydon	1011.2	0	W'S	4	b	43	75	8	–	–	0	–	0	
Clacton-on-Sea ...	1008.6	0	W	4	b	43	85	7	1500	Cu	1	–	1	3
Shoeburyness	1009.6	+1	WSW	6	b	44	75	7	–	–	0	–	0	
Grain	1010.2	0	WSW	6	b	44	75	8	–	–	0	–	0	0
Lympne	1011.4	0	W'N	3	b	39	85	7	–	–	0	–	0	
Scilly (St. Mary's)	1016.9	0	NW'W	7	b+	49	85	7	4000	Cu	3	–	3	6
Falmouth (Pendennis)	1015.7	0	W	4	bcbr	46	75	8	4000	CuNb	5	–	5	0
Plymouth (Cattewater)	1015.3	0	W'N	4	bc+	46	85	7	4000	StCu	3	–	3	0
Portland Bill	1012.7	0	WNW	6	bc+	50	85	7	4000	Cu	4	–	4	5
Southampton (Calshot)	1013.3	0	WNW	3	b-	45	85	8	2500	StCu	1	–	1	0
Dungeness ...	1010.6	+1	W	6	b	45	75	8	–	–	0	–	0	6
Guernsey ...	1016.5	+1	W	5	bc	49	85	8	4000	Cu	4	–	4	1

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR.....3rd Nov.....

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 2nd-3rd °F	Temperature. Max. Day. 3rd °F.	Rainfall.† Night 17h.-9h. 2nd-3rd mm.	Rainfall.† Day 9h.-17h. 3rd mm.	Sunshine.	Sunshine. Sunrise to Sunset. 3rd hr.
Montrose ...	bbc	bcbr	45	51	2	0.4		6.9
Berwick-on-Tweed	bRbc	bcbr	45	56	0.2	–		6.2
Llandudno ...	dr	cpc	49	56	2	3		0.7
Colwyn Bay ...								
Rhyl	cbc	cbcc	47	54	1	1		0.9
Southport	cqrq	cbrqc	45	55	3	3		1.2
Blackpool	orq	cphrq	46	54	5	4		2.0
Ilkley	opcpc	cpbcc	44	55	3	4		1.6
Harrogate	qr	ir	42	55	2	2		3.5
Skegness	o	oro	41	58	1	2		?
Aberystwyth ...	roc	o	48	54	5	–		0.4
Bath	or	ro	44	57	–	1		0.0
Leamington Spa ...	o	or	40	55	–	–		0.0
Lowestoft ...	o	oPo	41	58	0.1	4		0.0
Felixstowe ...	o	om	44	57	–	–		0.0
Southend ...	o	o	42	57	–	–		0.0

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 2nd-3rd °F	Temperature. Max. Day. 3rd °F.	Rainfall.† Night 17h.-9h. 2nd-3rd mm.	Rainfall.† Day 9h.-17h. 3rd mm.	Sunshine.	Sunshine. Sunrise to Sunset. 3rd hr.
Ilfracombe	o	op	49	56	1	2		0.0
Bude								
[illegible]								
Torquay	c	cobc	47	57	0.2	–		0.0
Weymouth	od	od	47	57	0.5	0.2		0.0
Bournemouth ...	o	o	43	56	0.3	0.3		0.0
Portsmouth (S'thsea)	o	o	43	57	0.3	–		0.0
Littlehampton ...	oc	ocd	40	56	0.2	0.1		0.1
Worthing	o	o	40	56	0.3	–		0.0
Brighton	do	o	43	56	0.5	–		0.0
Eastbourne	o	o	44	57	1	–		0.0
Hastings	odoc	o	42	56	1	0.1		0.0
Folkestone	p°	o	41	54	0.3	–		0.0
Dover	oda	om	45	56	–	–		0.0
Tunbridge Wells ...	o	oda	39	57	1	trace		0.0
Ramsgate	ma	o	46	57	–	–		0.0
Margate	o	o	42	59	–	–		0.2
Deal	opo	oo	42	57	trace	–		0.0

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22628 Monday 5th November 1923.

Observations at 1300 G.M.T. 4th

STATIONS. (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather.*	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	State of ground.
Lerwick	980.7	-1	W	6	orr	41	97	5	4000	Nb	10	-	10	•
Stornoway	991.2	0	WNW	5	bc pr	44	85	7	4000	CuNb	4	-	4	•
Wick	988.5	+1	W	4	cpho	39	92	8	2500	CuNb	6	Ci	8	•
Castlebay	996.8	0	WNW	5	oPH	41	92	7	1500	Nb	10	-	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	991.7	+1	WSW	5	b	44	75	8	2500	CuNb	1	Ci	3	1
Malin Head	1001.0	+1	WNW	8	bcPH	47	75	8	5700	CuNb	6	-	6	•
Renfrew	997.8	+1	W	4	cp6	45	85	5	800	CuNb	8	-	8	2
Edinburgh (Inchkeith)	994.5	+3	WSW	5	bc	43	92	8	•	Cu	4	Ci Cu	6	•
Leuchars	994.1	+4	W	6	cjp	46	65	8	4000	CuNb	4	Ci	8	0
Eskdalemuir	999.6	+2	W'S	4	c/sh	38	85	8	1500	StCu	8	-	8	2
Tynemouth	997.9	+3	W	4	bc/r	46	75	6	1500	CuNb	3	Ci	5	•
Blacksod Point	1007.9	0	W	5	o	45	75	8	•	•	•	•	9	•
Donaghadee	1003.7	0	W	4	bc	47	75	8	450	Cu	2	Ci Cu	4	•
Birr Castle	1010.4	•	W	2	bc	47	75	7	4000	St	6	-	6	•
Holyhead	1007.2	0	W	7	bc	49	85	8	2500	Cu"	6" StCu		6	0
Liverpool (Bidston)	1004.8	0	WSW	7	c	47	65	7	2500	StCu	8	-	8	•
Chester (Shotwick)	1004.5 (6)	0	W	6	bc	51	55	8	2500	Cu	5	-	5	2
Spurn Head	1002.5	+2	W	7	bcp6	41	97	7	2500	Nb	6	-	6	•
Birmingham (Edgbaston)	1008.3	0	W	6	bcjp	46	75	8	2500	CuNb	4	-	4	1
Nottingham	1005.6	0	W	5	b	46	75	7	1500	CuNb	2	-	2	•
Cranwell	1005.6	0	W'S	6	bc	50	75	8	2500	Cu	5	-	5	1
Gorleston	1006.8	0	W	5	bc	50	65	7	2500	CuNb	4	-	4	•
Valencia (Cahirciveen)	1015.0	-2	W	4	c	50	75	8	2500	Cu	7	-	7	1
Roches Point	1013.5	-1	WNW	3	bp6	48	85	8	4000	CuNb	1	Ci St	2	•
Pembroke (St. Ann's H.)	1012.1	0	W	7	c	49	75	8	2500	Cu	8	-	8	•
Ross-on-Wye	1009.7	0	W	5	bc	51	55	8	4000	Cu	5	-	5	0
[illegible]field														
Andover	1011.3	-1	WSW	6	b+	50	65	8	4000	Cu	3	-	3	0
S. Farnborough	1010.9	-2	SW	5	bc+	52	75	7	4000	Cu	5	-	5	0
London (Kew Obsy.)	1010.8	-2	W'S	5	bc	50	55	7	2500	Cu	4	-	4	1
Croydon	1010.6	-1	W	4	c+	51	65	7	4000	Cu	7	-	7	1
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1009.4	0	WSW	6	b	50	75	8	5700	Cu	2	-	2	•
Grain	1009.6	0	WSW	6	b+	50	65	8	4000	Cu	2	-	2	1
Lympne	1010.7	-1	WNW	5	b	52	65	8	4000	Cu	3	-	3	2
Scilly (St. Mary's)	1017.1	0	WNW	6	cpr0	50	97	8	4000	StCu	7	-	7	•
Falmouth (Pendennis)	1015.6	-1	W	4	bc/r	50	75	8	4000	CuNb	4	-	4	•
Plymouth (Cattewater)	1015.2	-1	W	4	b	50	85	8	2500	Cu	3	-	3	1
Portland Bill	1013.2	0	WNW	6	b/r	52	55	7	-	-	0	-	0	•
Southampton (Calshot)	1012.8	-2	WNW	3	cp6	48	85	8	2500	StCu	7	-	7	1
Dungeness	1010.8	0	W	6	b+	52	65	8	4000	Cu	3	-	3	•
Guernsey	1017.3	-1	WNW	5	bcjp	50	85	8	4000	CuNb	6	-	6	•

Observations at 1800 G.M.T. 4th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	982.7	+4	NNW	6	or6+	44	92	6	4000	Nb	4	A.St	10	5
Stornoway	992.2	+1	WNW	5	bc pr	42	92	7	4000	CuNb	4	-	4	4
Wick	988.5	0	WNW	4	bcp6	40	97	8	2500	CuNb	5	Ci St	6	3
Castlebay	997.8	+2	WNW	5	b/sh	45	75	7	2500	CuNb	3	-	3	6
Nairn	993.0	•	N	2	c/r	39	85	8	4000	Cu	7	-	7	•
Aberdeen	992.1	+1	WSW	3	b	40	85	7	-	-	0	Ci St	1	0
Malin Head	1001.6	+1	WNW	7	bcPH	45	85	8	5700	CuNb	5	-	5	8
Renfrew	998.5	+1	W	4	or-	40	92	7	800	Nb	10	-	10	•
Edinburgh (Inchkeith)	994.2	+1	WSW	5	b	42	85	8	•	St	3	-	3	3
Leuchars	994.5	+1	W	4	b	37	85	8	-	-	0	-	0	•
Eskdalemuir	999.7	0	WSW	5	ors	37	85	6	800	Nb	9	-	9	•
Tynemouth	998.4	+1	W	3	b-	40	85	6	1500	CuNb	2	-	2	2
Blacksod Point	1006.9	0	W	5	o+	44	75	7	•	•	•	•	10	7
Donaghadee	1003.7	0	NW	4	b-	41	75	8	450	St	2	-	2	4
Birr Castle	1009.6	•	N	1	c+	42	92	6	4000	CuNb	8	-	8	•
Holyhead	1006.9	0	W'N	6	o/r	47	92	8	2500	StCu	10	-	10	7
Liverpool (Bidston)	1004.6	0	W	6	c/sh	45	75	8	2500	StCu	7	-	7	8
Chester (Shotwick)	1006.4	+1	WSW	6	bcp6	44	75	8	2500	CuNb	5	-	5	
Spurn Head	1003.0	+2	WSW	6	b	47	92	7	-	-	0	-	0	6
Birmingham (Edgbaston)	1008.1	0	WSW	5	bc/r	42	85	8	2500	CuNb	4	-	4	•
Nottingham	1006.6	+2	W	3	b-	42	85	7	-	-	0	-	0	•
Cranwell	1006.6	+1	W'S	4	bc+	41	92	8	2500	StCu	5	-	5	•
Gorleston	1007.4	0	WSW	3	b	44	75	7	-	-	0	-	0	1
Valencia (Cahirciveen)	1013.1	-2	W'S	4	c	48	85	8	2500	Cu	5	A.Cu	8	4
Roches Point	1012.4	0	W	2	b	45	85	8	-	-	0	A.St	1	0
Pembroke (St. Ann's H.)	1011.3	-1	W	6	cjp	48	75	8	2500	Nb	7	-	7	6
Ross-on-Wye	1009.8	0	WSW	3	bc	44	75	9	4000	StCu	4	-	4	•
[illegible]field	1009.6	0	WSW	3	b-	40	85	7	2500	StCu	1	-	1	•
Andover	1011.3	0	W'S	5	b+	43	85	8	2500	StCu	1	-	1	2
S. Farnborough	1011.0	0	SW	4	b	43	85	7	-	StCu	1	-	1	•
London (Kew Obsy.)	1010.1	0	SW	2	b	46	75	7	-	-	0	-	0	•
Croydon	1010.6	0	W'S	4	b	45	75	7	-	-	0	-	0	•
Clacton-on-Sea	1009.0	0	W	3	b	46	75	7	2500	Cu	2	-	2	2
Shoeburyness	1009.1	0	SW	4	b	46	75	7	-	-	0	-	0	•
Grain	1010.0	0	SW	4	b	45	75	8	-	-	0	-	0	0
Lympne	1011.0	0	W'N	3	b	43	75	7	-	-	0	-	0	•
Scilly (St. Mary's)	1016.3	-1	W	5	cp6	48	85	8	4000	CuNb	8	-	8	6
Falmouth (Pendennis)	1014.8	0	W	4	b-	47	75	8	5700	Cu	3	-	3	•
Plymouth (Cattewater)	1014.3	-1	W	3	bjp	48	85	8	2500	Cu	2	-	9	0
Portland Bill	1013.2	0	W	6	b	50	65	7	-	-	0	-	0	4
Southampton (Calshot)	1012.7	+1	W	3	b-	46	75	8	4000	StCu	2	-	2	0
Dungeness	1010.7	+1	W	5	b-	48	75	8	4000	Cu	2	-	2	6
Guernsey	1016.3	0	W'N	6	bc	49	85	8	4000	Cu	5	-	5	3

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning (24 hours ended 0600 G.M.T. 5th)	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew (24 hours ended 0700)	18	bbcy	bcyb	brom	•	•	33	-	-	7.9	•	•
Croydon (24 hours ended 0700)	244	bc	cb	bbc	•	•	36	-	•	7.8	•	•
Greenwich (Royal Obsy.)	149	bc	bcb	brcom	53	39	32	-	-	8.0	67	86
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	5.1		
Westminster (St. James' Pk.)	27	•	•	•	52	40	36	-	-	7.4	?	82
Regent's Pk. (Botanic Gdns.)	—	•	•	•	•	•	•	•	•	6.7	•	•
Camden Square	118	bc	c	•	52	40	36	-	•		•	90
Kensington Palace	89	bc	bcb	•	52	40	31	-	-	•	At 18h 7.8	92
Hampstead Observatory	450	•	•	•	50	38	30	•	•	7.5		93

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 4th

South Kensington Max.	Time.	Min.	Time.
-	-	-	-
-	-		

Kew Observatory Max.	Time.	Min.	Time.
•	-	-	•
-	-	-	

POLE STAR RECORD AT Greenwich Obsy.

Exposure from 4th 17 h. 30 m. to 5th 06 h. 50 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	12 30	11 5	89
δ Ursae Minoris	12 30	10 44	86

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.† Time.	Type.	No. per ¼ sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	-	-	-	•
01h.	•	-	-	-
07h.	•	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 5th & 6th Nov. 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.58 / 6.59	11.37 / 11.37	4.16 / 4.15
Greenwich	7.3 / 7.4	11.44 / 11.44	4.25 / 4.24
Wick	7.40 / 7.42	11.56 / 11.56	4.12 / 4.10
Valencia	7.45 / 7.46	12.25 / 12.25	5.5 / 5.4

BEAUFORT NOTATION OF WEATHER.
b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain. rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = 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; - = "decreasing"; + = "increasing."

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.

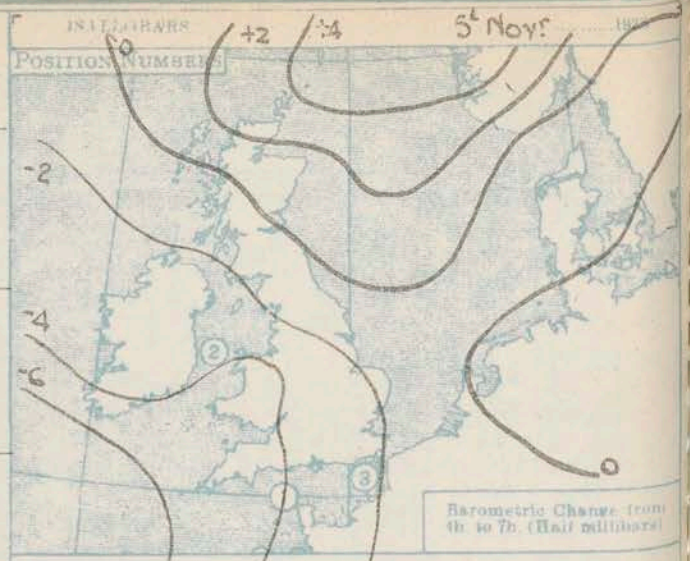
SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

† For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 4th	WEATHER. 13h.-18h. 4th	WEATHER. 18h. 4th to 1h. 5th	WEATHER. 1h.-7h. 5th	TEMPERATURE. MAX. Day. 7h.-18h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	RAINFALL.† Night. 18h.-7h. mm.	RAINFALL.† Precipitation began.	RAINFALL.† Precipitation began.	SUN. 4th Hours.
Lerwick	omr	omrq	bcp	bcp	45	38	.	4	1	<0800	<2100	2.1
Stornoway	bcpq	bcpq	p	oo	44	37	.	3	5	-	-	4.7
Wick	cprhq	cprq	cpr	oo	42	39	.	2	1	<0800	<2100	.
Castlebay	chp.op	ohpbc	bcop	opcop	45	41	.	1	1	-	-	1.0
Nairn	cirq	bcc	cirq	cdmo	40	38	.	2	2	0900	2200	2.1
Aberdeen	b or bc	bq.b	b	bbc	45	38	33	-	.	-	-	4.9
Malin Head	cPHR	cPHR	prh.	phr	47	40	.	3	1	<0800	<2100	2.9
Renfrew	oPHrq	c.oprqr	oprr.	orrbc	45	37	32	6	7	<0800	<2100	1.5
Edinburgh (Inchkeith)	c	p	bbc	p	45	40	38	0.4	trace	<0800	0430	3.2
Leuchars	o.cprq	c.bc.bq	bb	bbp.	46	34	23	0.1	0.1	<0800	-	5.8
Eskdalemuir ...	oprhrs	oprs	oprscbc	cop.	44	34	32	7	3	<0800	<2100	1.5
Tynemouth ...	pmpq	b or bcmq	bbcq	bbc	47	39	36	0.1	-	<0800	-	.
Blacksod Point ...	p	h or rh	h.rh	p	[illegible]	37	.	1	3	..	-	.
Donaghadee	bcqp	bcqp	bcq	bcq	47	36	.	2	-	0900	-	.
Birr Castle	co	copr.	c	co	47	32	29	trace	-	1430	-	3.8
Holyhead	bcq	bcpr.	PRHq	bbcc	49	44	41	trace	1	1630	<2100	4.9
Liverpool (Bidston) ...	c.oq	ohsq	orhs		49	39	35	4	4	1430	0230	3.6
Chester (Shotwick) ...	c.bc	bcprq	oprbcq	cqbcm	51	36	28	trace	1	1630	<2100	6.7
Spurn Head	cp.cpq	c	bb	c	47	39	.	2	-	1100	-	6.2
Birmingham (Edgbaston)	bcqrhq	bc or bc	bc b	bbcc	49	38	34	0.2	-	1230	-	6.0
Nottingham	p.	bor bc po	b	bbcm	50	35	30	trace	-	1100	-	7.0
Cranwell	b or bc	bor bc	bbc	bbco	50	37	32	-	0.6	-	<2100	8.3
Gorleston	bq bcq	bcqbc	bl	b	50	37	35	-	-	-	-	7.8
Valencia (Cahirciveen)	op.bc.c	bc cp.	cbcop	opo	50	40	37	1	4	<0800	2200	4.0
Roches Point	b.bcp.	b.bcb	bw	bw	50	43	.	0.1	trace	1330	-	.
Pembroke (St. Ann's H.)	c	cq	c	p	49	45	.	-	2	-	0430	4.2
Ross-on-Wye	bc.b.bc	p.bcvy	bv	bcc	51	40	31	trace	-	1330	-	7.5
Leafield		b.bc	bc	bcco	49	36	28	-	-	-	-	8.4
Andover	bc	b.bc.b	bbccco	oopro	51	38	33	-	0.4	-	0330	8.0
S. Farnborough ...	b.bc	bc.b	bbcw	cwom	52	37	32	-	trace	-	-	8.6
London (Kew Obsy.) ...	b.bcy	bcy.b	bpbw	bwom	52	40	33	-	-	-	-	7.9
Croydon	bc	c.b	b	bc	51	41	36	-	-	-	-	7.8
Clacton-on-Sea ...	b.bc	bc.b	bbcm	bcc	51	41	38	-	-	-	-	8.1
Shoeburyness	b	b or bc	b	bcc	50	40	36	-	-	-	-	6.6
Grain	b	bc.b	pb	bbc	52	39	34	-	-	-	-	7.7
Lympne	b	b	bw	bwc	52	38	34	-	trace	-	-	8.7
Scilly (St. Mary's) ...	bc.cpq	cqp	bcbqp	bcpq	53	45	.	1	5	<0800	<2100	5.1
Falmouth (Pendennis)	bcp	bc	bcp	bcpco	52	45	.	1	2	1430	<2100	6.2
Plymouth (Cattewater)	bqcpb.	bq.c.b	bbcpb	bo	52	47	35	1	0.2	0900	<2100	4.7
Portland Bill	p.q.	b or bc	bbc	c	53	49	.	0.2	-	1100	-	.
Southampton (Calshot)	bcpq	bcpchck	b	c	51	41	38	0.5	-	1230	-	6.4
Dungeness	b or bc	b or bc	bbc	c	53	43	.	-	-	-	-	
Guernsey	bc.c.bcp	cbc.b.pq		r-d	55	46	.	0.6	4	0900	-	?



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility.
2	4th 1010	Hibernia	W	8	b	49	54	6
3	5 0200	Dieppe	WNW	5	PR	50	56	8

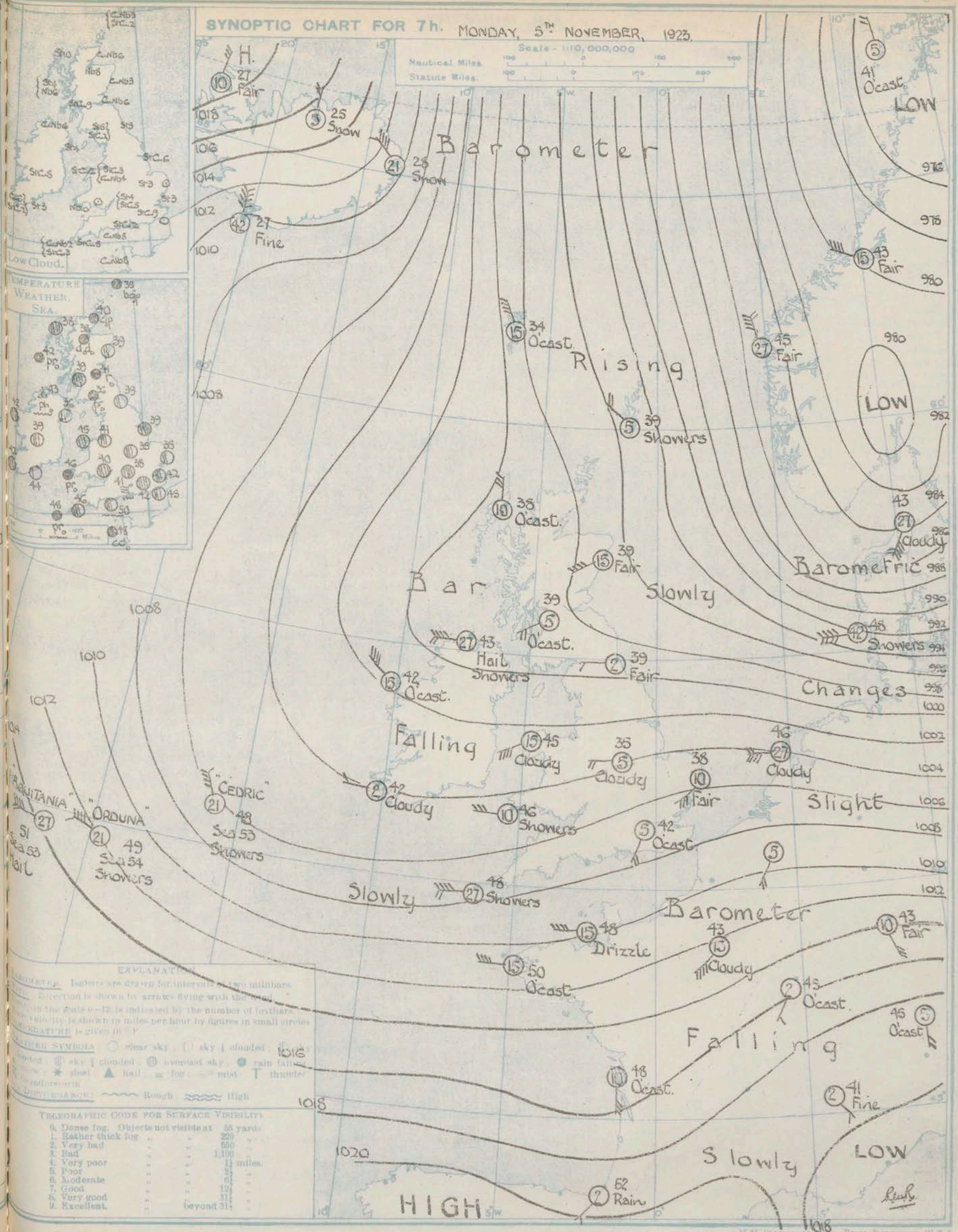
GENERAL INFERENCE.

The deep depression over Scandinavia continues and a secondary depression is crossing the British Isles. Winds will be mainly from W. and NW., fresh or strong at times, with occasional showers and some sleet or snow locally in the North, but with bright intervals in all districts.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 5th November, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind SW., veering to W., becoming fresh to strong; occasional showers, bright intervals; visibility good; rather cold, risk of slight ground frost at night.	Unsettled. ---
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind SW. to W., veering towards NW. later, fresh to strong at times; occasional showers, bright intervals; visibility good; rather cold, risk of slight ground frost at night.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands. 17. N.W. Ireland	Northwesterly wind, fresh at times; showers, with bright intervals, sleet or snow locally; visibility good; cold, risk of ground frost at night.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind W. to NW., fresh at times; occasional showers, bright intervals; visibility good; rather cold.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0910 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.. Monday. 5th November .....1923. No. 309.

Observations at 0100 G.M.T. 5th

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.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	9923	+6	NNW	3	bpr.	42	92	7	4000	CuNb	2	A.St	3
Stornoway	51	9982	+3	NNW	4	PH	•	•	5	•	•	•	•	•
Wick	81	9938	+4	NW	2	bcpr	42	92	8	2500	CuNb	6	-	6
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1001.3	0	W'N	5	bph.	44	85	8	5700	CuNb	2	-	2
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	9959	+1	NSW	5	b	42	97	8	•	StCu	1	-	1
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	999.1	+2	W	3	b-	40	88	7	-	-	0	-	0
Blacksod Point	10	1004.3	-2	W	5	c-	45	75	7	•	•	•	•	7
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1006.1	-1	W	3	b	45	92	8	-	•	0	•	0
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1002.6	0	SW'W	6	b	41	92	8	-	-	0	A.St	2
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1005.3	-1	WSW	4	b-	38	97	7	5000	St+Cu	-	2	2
Gorleston	13	1007.3	0	WSW	3	b+	41	85	7	-	-	0	A.St	2
Valencia (Cahirciveen)	30	1007.9	-4	SW	3	cPR	47	92	8	•	CuNb	7	-	7
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1008.8	-3	W	4	c	45	75	8	1500	StCu	7	-	7
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	41	•	•	•	•	•	•	•
Croydon	244	1009.7	-1	W'S	4	b	41	85	8	-	-	0	-	0
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1010.3	0	WNW	4	b	40	85	8	-	-	0	A.St	2
Scilly (St. Mary's)	131	1012.4	-3	W	6	bpr.	47	97	8	4000	CuNb	2	-	2
Falmouth (Pendennis)	200	1011.9	-2	W	3	bcpr	46	85	8	5700	CuNb	5	-	5
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1010.2	-4	W	6	b-	50	75	8	4000	Cu	3	-	3
Southampton (Calshot)	12	1011.0	-2	W	3	b	42	85	8	-	-	0	-	0
Dungeness	21	1009.8	0	NW	4	b	44	85	8	-	-	0	-	0
Guernsey														

Observations at 0700 G.M.T. 5th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. hr.
Lerwick	9950	+4	NW	2	bcjp	39	92	7	4000	CuNb	5	-	5	1
Stornoway	9989	+2	N	3	o	38	92	7	800	St	10	-	10	2
Wick	9965	+4	NNW	2	cjp	40	85	5	2500	CuNb	6	Ci St	6	0
Castlebay	9993	+1	N	3	obr	42	85	8	1500	Nb	10	-	10	0
Nairn	9985	•	-	0	cbj	38	92	7	1500	Nb	8	-	8	•
Aberdeen	9972	+3	NSW	4	bc+	39	92	8	2500	CuNb	3	Ci	4	0
Malin Head	9998	-1	W'N	6	bph	43	92	8	4000	CuNb	6	-	6	9
Renfrew	9990	0	NSW	2	o/r	39	92	7	2500	StCu	3	-	3	•
Edinburgh (Inchkeith)	9974	+1	NNW	3	o/c	41	97	8	•	CuNb	6	A.St	10	1
Leuchars	9974	+2	W	2	o	39	92	8	5700	St.Cu	10	-	10	•
Eskdalemuir	9995	0	SW'W	4	cpr	36	92	7	800	St	7	-	7	•
Tynemouth	9996	+1	W	1	bc	39	85	6	1500	St	3	CuCu	5	•
Blacksod Point	1002.0	-3	NW	4	o-	42	75	8	•	•	•	•	10	5
Donaghadee	1002.7	-2	N	1	bc+	36	92	8	450	St	4	•	4	2
Birr Castle	1003.4	•	SW	1	c	39	97	6	4000	StCu	8	-	8	•
Holyhead	1002.9	-3	N'S	4	c	45	75	8	2500	StCu	1	Ci St	1	4
Liverpool (Bidston)	1002.8	-1	WSW	3	s/sh	41	92	7	1500	CuNb	7	-	7	0
Chester (Shotwick)	1003.8	-2	SW	2	bc	37	92	5	2500	StCu	3	ACu	7	•
Spurn Head	1003.3	0	NSW	4	o-	39	92	7	4000	StCu	6	ACu	10	1
Birmingham (Edgbaston)	1005.0	-2	SSW	3	c	38	97	7	2500	StCu	1	A.St	8	•
Nottingham	1009.0	-2	W	2	c+	35	97	4	1500	St	3	Ci	5	•
Cranwell	1004.3	-1	SW'W	3	o	38	97	7	4000	St	7	A.St	10	•
Gorleston	1006.7	0	SW	3	bc+	38	92	7	-	-	0	ACu	4	1
Valencia (Cahirciveen)	1004.0	-4	N'W	1	c-	42	92	8	1500	Cu	8	-	8	4
Roches Point	1003.7	-3	W	1	b	44	97	8	4000	StCu	3	-	3	0
Pembroke (St. Ann's H.)	1005.1	-4	N	3	opr	46	75	8	1500	Nb	10	-	10	4
Ross-on-Wye	1005.3	-4	SW'S	1	o+	40	85	7	-	-	0	A.St	9	•
Leafield	1006.3	-2	SW	2	o+	38	97	8	1500	StCu	9	-	9	•
Andover	1007.3	-3	N'W	1	opr	40	97	8	2500	Nb	10	-	10	•
S. Farnborough	1007.1	-2	NSW	2	mmc	41	97	6	2500	StCu	9	A.St	10	•
London (Kew Obsy.)	1007.0	-2	SW'S	2	o	42	92	8	2500	StCu	9	-	9	•
Croydon	1006.6	-4	NSW	3	c	43	85	7	4000	StCu	7	A.St	8	•
Clacton-on-Sea	1006.6	-1	NSW	2	c+	42	85	7	2500	St	3	ACu	7	1
Shoeburyness	1007.1	-2	NNW	2	mmc	42	85	7	5700	Cu	3	ACu	7	•
Grain	1007.3	-2	SW	3	bc	40	85	6	5700	StCu	2	ACu	8	0
Lympne	1008.0	-3	NNW	3	c+	40	92	8	4000	St	4	CiCu	8	•
Scilly (St. Mary's)	1007.6	-4	W	6	bcpr	48	92	8	4000	StCu	3	-	5	8
Falmouth (Pendennis)	1006.7	-3	W	2	c-	46	92	8	5700	StCu	8	-	8	0
Plymouth (Cattewater)	1006.5	-4	W'S	3	o/p	48	85	8	2500	StCu	1	A.St	10	0
Portland Bill	1007.2	-4	N	5	c+	50	66	8	4000	CuNb	8	-	8	6
Southampton (Calshot)	1007.4	-3	NNW	2	o	43	85	7	1500	StCu	2	Ci	9	0
Dungeness	1007.6	-3	NNW	3	c+	45	92	8	-	-	0	ACu	7	4
Guernsey	1009.5	-4	N	4	cpr	48	92	8	2500	CuNb	8	-	8	1

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 4th Nov.

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 3rd-4th °F.	Temperature. Max. Day. 4th °F.	Rainfall.† Night 17h.-9h. 3rd-4th mm.	Rainfall.† Day 9h.-17h. 4th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 4th hr.
Montrose	bc.b	bc	38	47	trace	-		4.9
Berwick-on-Tweed	pr.o bv	bc.bc.c	38	53	0.1	-		5.3
Llandudno	bc.c.b	c.bcp.c.	45	49	0.4	-		4.1
Colwyn Bay								
Rhyl	bc	bc	45	50	1	-		6.3
Southport	cq.bcq	bcphcbc	45	48	1	-		4.0
Blackpool	cq	cq	44	48	5	-		2.5
Ilkley	cp	bcp	40	46	6	6		2.2
Harrogate	cp.bc	bc.cpbc	38	44	7	0.2		4.6
Skegness	b	b.oupc	40	50	-	trace		6.8
Aberystwyth	o.c.	b	46	50	1	-		1.5
Bath	b.bc	b.bc	43	52	-	-		7.4
Leamington Spa	bc	bc	40	49	-	-		7.4
Lowestoft	b	b	42	52	1	-		8.0
Felixstowe	b	b	42	51	4	-		7.7
Southend	bcq	bc	42	52	3	-		7.0

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 3rd-4th °F.	Temperature. Max. Day. 4th °F.	Rainfall.† Night 17h.-9h. 3rd-4th mm.	Rainfall.† Day 9h.-17h. 4th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 4th hr.
Ilfracombe	c.bc	c.bc	43	52	-	0.1		3.7
Bude	pr.cpc.	pr.c.	47	53	1	1		5.2
Torquay	b	cp	44	55	0.2	0.1		7.2
Weymouth	b.pbc	bc.b	44	54	1	0.2		6.9
Bournemouth	b	b	43	53	-	-		7.9
Portsmouth (S'thsea)	b	b.bcpb	45	52	1	0.2		7.4
Littlehampton	bc	bc	42	51	1	-		7.0
Worthing	b.	bc.b	43	57	0.3	-		7.6
Brighton	c.b.	bc.b	44	52	-	-		?
Eastbourne	b	b	45	52	0.2	-		7.8
Hastings	b.bc	bc.b	42	52	0.1	-		8.4
Folkestone	b	bc	40	53	0.2	-		8.3
Dover	b	b	43	52	1	-		8.5
Tunbridge Wells	b	b	40	51	1	-		8.4
Ramsgate	b	b	40	57	-	-		8.2
Margate	b	b	43	52	-	-		8.5
Deal	b	b	42	50	-	-		8.4

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22629 TUESDAY, 6TH NOVEMBER 1923.

Observations at 1300 G.M.T. 5

STATIONS. (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.†	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	State of ground.§
Lerwick	997.4	+2	NW	3	bcPR	40	92	7	4000	CuNb	5	-	5	*
Stornoway	1000.9	+2	N	2	bcph0	42	92	7	4000	Cu	6	-	6	*
Wick	998.7	+2	NW	2	cpr0	41	85	8	2500	CuNb	5	Ci	7	*
Castlebay	1000.8	+1	NNE	3	c	44	75	8	2500	StCu	7	-	7	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	998.6	+1	NNW	3	or0	43	85	7	2500	Nb	9	-	9	1
Malin Head	999.6	0	NNW	4	cpr0	43	97	8	4000	CuNb	7	Ci	8	*
Renfrew	999.1	0	W	3	opr0	44	75	6	1500	CuNb	10	-	10	2
Edinburgh (Inchkeith)	998.6	*	WNW	1	o/r	42	92	7	*	CuNb	10	-	10	*
Leuchars	998.4	+1	N	1	od0	42	85	7	2500	St	10	-	10	5
Eskdalemuir	999.5	0	W'S	3	c	41	75	8	2500	StCu	4	Ci	8	1
Tynemouth	1000.4	0	W	1	bc	47	75	6	4000	Cu	2	CiCu	5	*
Blacksod Point	1002.3	-1	NW	2	c	44	75	8	*	*	*	*	7	*
Donaghadee	1001.9	0	W	1	bc+	45	75	8	450	StCu	2	CiSt	6	*
Birr Castle	1002.6	*	W	1	c-	46	75	8	4000	StCu	5	CiCu	7	*
Holyhead	1001.5	-2	W'N	3	c	48	65	9	2500	Cu	3	CiSt	7	0
Liverpool (Bidston)	1001.1	-2	NW	1	c	45	75	7	1500	CuNb	7	Ci	8	*
Chester (Shotwick)	1001.6	-2	-	0	c	49	65	8	4000	Cu	2	CiSt	7	1
Spurn Head	1001.8	-1	SW	3	c	46	75	7	-	-	0	Ci	7	*
Birmingham (Edgbaston)	1002.3	-3	S	3	o+	44	85	6	2500	Cu	2	ASt	9	1
Nottingham	1001.2	-4	SW	1	bc	47	75	5	2500	StCu	1	CiSt	6	*
Cranwell	1003.1	-3	W'S	2	bc	46	85	6	2500	CuNb	1	Ci	5	1
Gorleston	1004.5	-2	SW'S	2	bc+	48	75	7	4000	Cu	2	Ci	4	*
Valencia (Cahirciveen)	1003.5	-1	WNW	2	bc-	48	75	9	1500	StCu	5	A.Cu	6	1
Roches Point	1002.1	-2	NNW	2	bc	49	85	8	4000	CuNb	4	-	4	*
Pembroke (St. Ann's H.)	1002.5	-2	NE	1	cjp	45	92	8	1500	Nb	7	-	7	*
Ross-on-Wye	1001.7	-4	SSW	2	or0	43	92	8	2500	Nb	8	ASt	10	1
Leafield	1002.2	-5	SW	2	orr	42	97	6	2500	Nb	6	ASt	10	*
Andover	1002.4	-4	S'E	1	o	47	85	8	4000	StCu	5	ASt	10	1
S. Farnborough	1002.8	-4	S'W	2	or0	49	85	8	2500	Cu	7	ASt	10	1
London (Kew Obsy.)	1002.5	-7	S	1	o	49	75	6	4000	StCu	1	ASt	10	1
Croydon	1002.8	-6	SW'S	2	o/r	47	85	6	4000	StCu	5	ASt	10	0
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1002.0	-5	SW	2	mmo	48	85	6	-	-	0	ASt	10	*
Grain	1003.1	-4	S'W	3	o	49	75	6	-	-	0	ASt	10	0
Lympne	1003.6	-5	SW'S	2	o/r	46	92	7	2500	StCu	5	ASt	10	2
Scilly (St. Mary's)	1003.6	-3	W	5	bcpr0	50	85	8	4000	CuNb	4	-	4	*
Falmouth (Pendennis)	1002.3	-3	W	4	bcpr0	51	85	8	5700	CuNb	5	-	5	*
Plymouth (Cattewater)	1002.1	-6	W	3	o	49	85	8	2500	StCu	9	-	9	1
Portland Bill	1002.1	-6	W	4	CPR	50	75	8	4000	CuNb	8	-	8	*
Southampton (Calshot)	1002.5	-7	SSW	2	o/r	48	85	8	2500	CuNb	6	ASt	10	2
Dungeness	1004.1	-3	SW	2	or0+	47	92	7	4000	Nb	10	-	10	*
Guernsey	1004.6	-7	W	4	oR	45	97	6	1500	Nb	10	-	10	*

Observations at 1800 G.M.T. 5

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	998.5	+2	NNW	2	bcjp	38	92	7	4000	CuNb	5	-	5	1
Stornoway	1002.5	+2	N	2	bph0	36	97	7	1500	Nb	3	-	3	1
Wick	999.9	+1	NW	2	bc	36	92	8	2500	CuNb	4	-	4	0
Castlebay	1002.6	+4	NNE	4	b	41	85	8	2500	Cu	1	-	1	3
Nairn	1001.0	*	-	0	bc	37	85	8	4000	Cu	4	-	4	*
Aberdeen	999.7	+2	NNW	3	o	39	92	8	2500	StCu	5	ASt	9	0
Malin Head	1000.5	+2	NNE	5	ch(r)	45	85	9	4000	CuNb	6	Ci	7	6
Renfrew	1000.2	+2	NE	3	or0	39	85	6	800	Nb	10	-	10	*
Edinburgh (Inchkeith)	998.3	+1	NE	3	or0r0	40	97	8	*	Nb	10	-	10	1
Leuchars	999.1	+1	-	0	or0r0	40	85	7	1500	Nb	10	-	10	*
Eskdalemuir	1000.1	0	WSW	1	b-	32	92	8	2500	StCu	1	-	1	*
Tynemouth	999.9	0	W	1	b	40	85	5	1500	St	3	-	3	0
Blacksod Point	1002.5	-0	NW'W	4	bc	42	75	8	*	*	*	*	6	5
Donaghadee	1001.5	0	W	2	bc-	39	85	8	450	St	4	-	4	0
Birr Castle	1002.1	*	WNW	1	c/r	40	92	6	4000	StCu	8	-	8	*
Holyhead	1000.8	-1	NW'W	3	b	45	75	9	2500	Cu	3	-	3	3
Liverpool (Bidston)	1000.5	0	WSW	1	bc/r	41	92	7	2500	CuNb	6	-	6	3
Chester (Shotwick)	1000.4	0	NW	2	b-	36	92	8	4000	StCu	1	ASt	2	*
Spurn Head	1000.3	-1	SW	2	b	43	85	7	-	-	0	-	0	1
Birmingham (Edgbaston)	1000.3	-1	S	1	mo	43	85	5	1500	St	10	-	10	*
Nottingham	1000.3	0	SW	1	c	39	97	4	1500	St	4	CiSt	7	*
Cranwell	1001.0	-1	-	0	c	37	97	6	2500	St	8	-	8	*
Gorleston	1001.8	-2	-	0	bcm+	44	85	5	2500	St	4	-	4	0
Valencia (Cahirciveen)	1003.7	+1	N	2	b-	42	85	9	2500	StCu	2	ACu	3	4
Roches Point	1002.3	0	NW	2	o	43	92	7	-	-	0	ASt	10	0
Pembroke (St. Ann's H.)	1001.6	-2	N	1	bcpr0	41	92	8	1500	Nb	6	-	6	4
Ross-on-Wye	1000.5	-2	NE'N	1	bc/r+	39	97	3	2500	St	2	Ci	6	*
Leafield	1000.5	-6	N	1	o/r	40	97	6	2500	StCu	10	-	10	*
Andover	999.9	-2	NW'W	1	o/h	43	97	8	1500	StCu	9	-	9	*
S. Farnborough	999.6	-2	SSW	2	or0	45	97	6	2500	StCu	10	-	10	*
London (Kew Obsy.)	999.8	-2	S	1	orr	47	85	6	4000	Nb	10	-	10	*
Croydon	1000.4	-2	S	2	o/r	44	92	6	2500	StCu	7	ASt	10	*
Clacton-on-Sea	1000.3	-3	SSW	3	o	47	85	7	5700	StCu	8	ASt	10	1
Shoeburyness	1000.3	-3	SSW	2	b/f	44	85	7	4000	Cu	2	-	2	*
Grain	1000.2	-2	SE	3	c	45	85	7	5700	StCu	5	ASt	7	0
Lympne	1000.2	-2	SSW	2	o/r	45	92	8	2500	Nb	7	ASt	10	*
Scilly (St. Mary's)	1002.3	-1	NW	5	bc	47	85	8	4000	CuNb	4	-	4	5
Falmouth (Pendennis)	1000.9	+1	NW	1	cPR	45	85	7	5700	CuNb	7	-	7	0
Plymouth (Cattewater)	1000.6	+1	-	0	o	45	92	8	2500	St	9	-	9	0
Portland Bill	999.3	-4	N	1	c/r	47	75	8	4000	CuNb	8	-	8	3
Southampton (Calshot)	999.9	-2	WNW	2	cjp	46	85	7	2500	CuNb	7	-	7	0
Dungeness	1000.4	-4	SW	2	or	47	92	8	4000	Nb	10	-	10	3
Guernsey	1001.5	-3	W	3	b	48	92	7	1500	Nb	3	-	3	4

LONDON OBSERVATIONS.	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. % Yesterday	Humidity 9h. G.M.T. % To-day
		24 Hours ended 0900 G.M.T. 6										
Kew (24 hours ended 0700)	18	or0oo2	o2or2	orRcfx	*	*	27	02	5	02	*	*
Croydon (24 hours ended 0700)	244	cop0⊕	omf0	omrrf	*	*	33	01	06	0.1	*	*
Greenwich (Royal Obsy.)	149	o	o	orcbxm	51	36	28	-	3	0.3	80	92
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	27	*	*	*	50	37	32	4		0.3	73	89
Regent's Pk. (Botanic Gdns).	—	*	*	*	*	*	*	*	*	0.0	*	*
Camden Square	110	o	o	*	49	37	32	-	4	*	*	87
Kensington Palace	80	o	or0	*	50	36	30	-	4	*	(At 18h) 86	91
Hampstead Observatory	450	*	*	*	47	34	25	4	-	0.1	*	91

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 5

South Kensington Max.	Time.	Min.	Time.
-	-	-	-

Kew Observatory Max.	Time.	Min.	Time.
0.3	18h. 4th	<0.3	1h. 5th
0.5	9h. 5th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 5 17 h. 30 m. to 6 06 h. 00 m.

Stars.	Exposure h. m.	Record h. m.	Record %
Polaris	12 30	0.30	4
δ Ursae Minoris	12 30	0.0	-

CODE FOR STATE OF GROUND.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	-	-	-	-
01h.	-	-	-	-
07h.	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 6th & 7th Nov. 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.59 / 7.0	11.37 / 11.37	4.15 / 4.14
Greenwich	7.4 / 7.6	11.44 / 11.44	4.24 / 4.23
Wick	7.42 / 7.44	11.56 / 11.56	4.10 / 4.8
Valencia	7.46 / 7.47	12.25 / 12.25	5.4 / 5.3

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_o = slight rain.
rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = 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. - = "decreasing"; + = "increasing."

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.

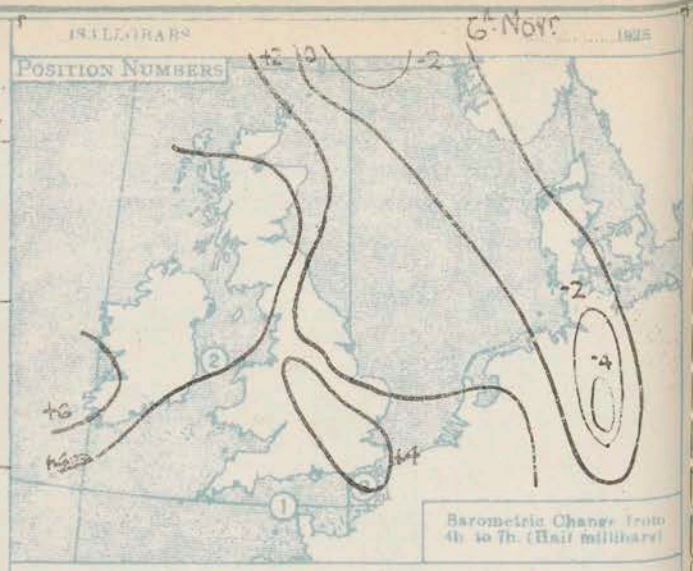
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.
0 = no swell, 1 = mod. swell, 2 = heavy swell } Calm or slight sea.
3 = no swell, 4 = mod. swell, 5 = heavy swell } Moderate sea.
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

† For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 5	13h.-18h. 5	18h. 5 to 1h. 6	1h.-7h. 6	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.‡ Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 5 Hours.
Lerwick	bcpr	bcpr	bcpr	bcpr	45	35	•	1	0.3	<0800	<2100	3.8
Stornoway	p	p	r-d	bcph	42	32	•	1	2	-	-	3.7
Wick	cpr	cphbc	bcpr	bbc	43	34	•	1	0.4	<0800	<2100	•
Castlebay	opc	cob	b	bohp	45	35	•	Trace	0.4	-	-	2.0
Nairn	dcbc	bc	bcpc	cd	41	34	•	1	0.4	<0800	2200	0.4
Aberdeen	bcoir	op.o	ob	p.rpr	43	34	31	0.1	1	12.30	0230	0.3
Malin Head	cop.r	coihr	bcpr	p.PH	45	38	•	2	2	<0800	<2100	0.7
Renfrew	cop.r	omrr.	oirom	ocb	46	27	18	1	•	<0800	-	1.4
Edinburgh (Inchkeith)	ir.	r.r.	bbc	bbc	45	36	32	2	0.4	<0800	<2100	1.0
Leuchars	oir.	orr.r.	or.bcb	bx	43	27	13	2	trace	<0800	<2100	0.0
Eskdalemuir	coc	cop.b	bbco	ocbcx	42	29	25	Trace	-	15.30	-	3.2
Tynemouth	b.bc	b.bcm	bm	iRm	47	36	33	-	6	-	0130	•
Blacksod Point ...	p	c	h.hr	c	47	30	•	6	2	-	-	•
Donaghadee	bc	c	bcqp	bcq	46	35	•	-	1	-	<2100	•
Birr Castle	co	copr.	co	bcx	47	30	22	0.1	-	17.30	-	4.8
Holyhead	ccv	cbcv	bcby	PRir	48	41	39	-	1	-	0430	4.3
Liverpool (Bidston) ...	op.bc	bcop	bc.bm		46	37	34	2	-	1330	-	4.3
Chester (Shotwick) ...	cbcmcm	ccbcb	bcpRbm	bcpRbc	51	32	23	-	3	-	<2100	4.1
Spurn Head	c	c	f-m	bxbc	46	35	•	-	-	-	-	4.8
Birmingham (Edgbaston)	bom	co	ombcb	bbcm	46	33	23	-	•	-	•	1.1
Nottingham	cm	cm	cF	F.bf	47	29	26	-	-	-	•	0.4
Cranwell	c	bccm	cm	bbcF	48	27	24	-	-	-	-	2.3
Gorleston	bc	bcm	b.	copbm	49	36	34	-	trace	-	0530	5.3
Valencia (Cahirciveen)	cophc	bcvpc	bcop	opbc	48	36	31	1	2	0900	<2100	3.3
Roches Point	bbc	bcco	ob	bm	50	37	•	-	trace	-	•	
Pembroke (St. Ann's H.)	cp	p	cp	cp	49	39	•	8	1	15.30	<2100	1.6
Ross-on-Wye	cor	r.bcm	cfofc	FFfx	45	29	24	1	0.1	1100	-	0.2
Leafield	or	cor		obcfx	43	30	26	2	-	1100	•	0.0
Andover	or.o	ooPRHo	oco	ocxm	49	28	25	1	-	0900	-	0.3
S. Farnborough ...	ooir	omiro	omcbc	FFex	49	31	28	Trace	1	1100	<2100	0.0
London (Kew Obsy.) ...	or.003	ozorz	orR	omcfx	50	38	27	0.2	3	17.30	-	0.2
Croydon	cop.⊕	omp.	omrrm	omcbf	48	37	33	0.1	0.6	<0800	<2100	0.1
Clacton-on-Sea ...	co	oq	oq	oqpc	48	41	38	-	trace	-	-	0.1
Shoeburyness	cmom	omcbcb	bbccom	cbcbm	49	37	32	-	1	-	2200	0.1
Grain	bcco	oc	copoc	cbcbm	49	37	32	-	0.2	-	2200	0.1
Lympne	cor.	or.	or	omf	46	39	34	5	0.2	1100	<2100	0.0
Scilly (St. Mary's) ...	bcpq	cbcpq	bcpq	bcq	51	41	•	2	2	<0800	<2100	2.3
Falmouth (Pendennis)	copbc	bcpco	bcpbc	bcpr	52	40	•	5	3	<0800	<2100	0.1
Plymouth (Cattewater)	opobo	orrc	orbco	or	51	40	23	2	1	<0800	<2100	1.5
Portland Bill	p	p	bbc	bbc	52	39	•	1	1	0900	<2100	•
Southampton (Calshot)	oir.	c	obmb	f-m	50	36	31	1	0.2	1230	<2100	0.1
Dungeness	r-d	p	orpr	f-m	49	38	•	5	1	0900	<2100	•
Guernsey	omiriR	ocbciR		ciC.	51	43	•	13	6	<0800	<2100	



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	5th 1000	Hibernia	NNW	2	bcv	48	53	•
3	6th 0200	Arundel	N	2	mo	47	55	5

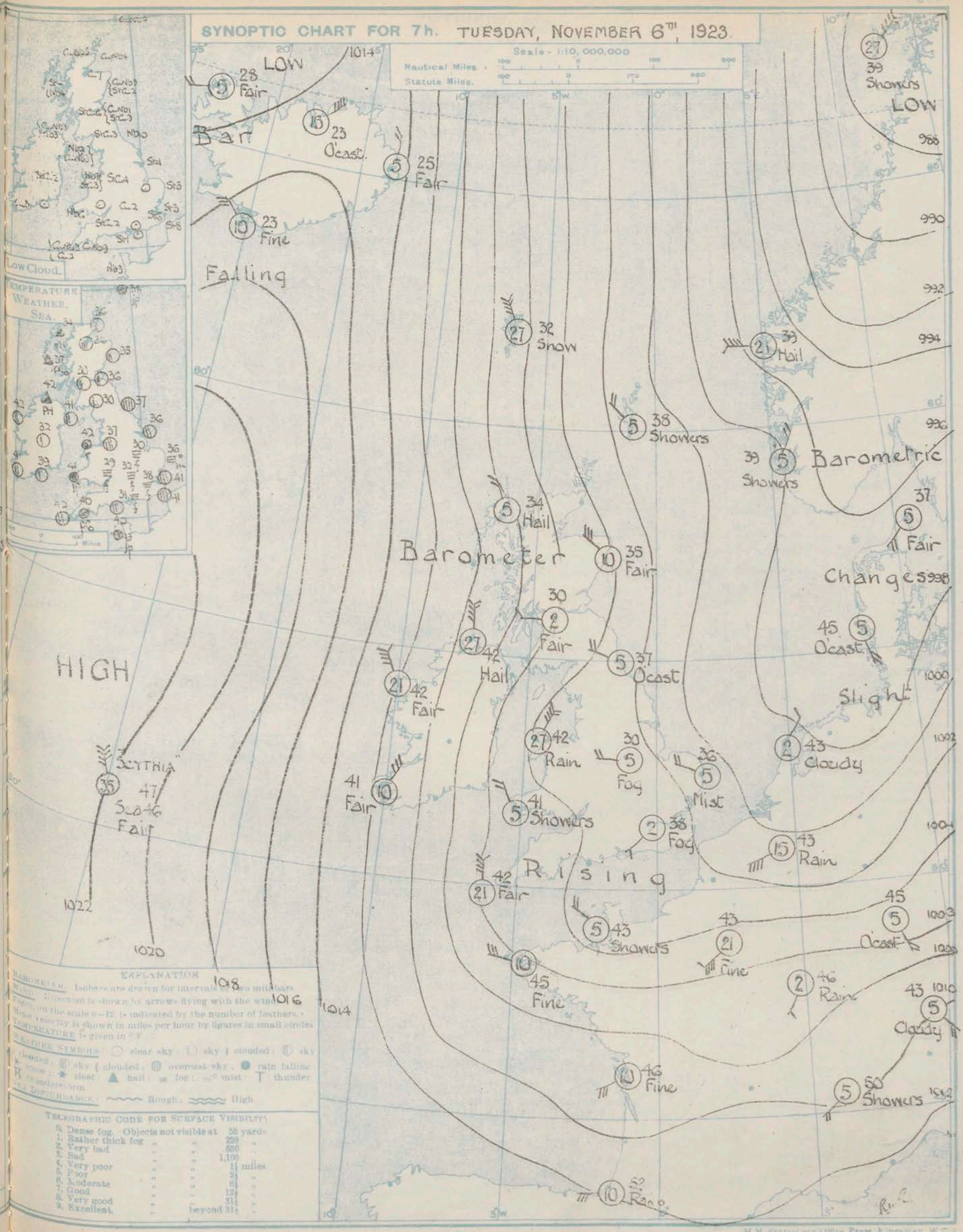
GENERAL INFERENCE.

There are indications that a new depression is developing to the southwest of Iceland which is likely to cause the anticyclone to the west of Ireland to move south. Winds will be northwesterly to northerly for a time, but will back to SW. before very long in Scotland. The weather will be mainly fair today, with frost and fog at night, but will probably become mild and unsettled again in the North later.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Tuesday, 6th November, 1923.	Further Outlook.
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	Light or moderate NW. to N. winds, backing to W. later; fine; mist or fog at night; moderate day temperature, slight frost at night.	Unsettled, milder.
11. E. Scotland	Moderate N. to NW. wind, backing to SW. later; fine; mist or fog at night; cold, frost at night.	
12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Moderate N. to NW. wind, backing to SW. and freshening later; fine at first, much cloud and some rain later; fog locally at night; cold, with frost at night, becoming milder later.	
17. N.W. Ireland 18. N.E. Ireland	Moderate or fresh NW. to N. winds, backing to SW. later; mainly fair at first, much cloud and some rain later; mist inland at night; becoming milder.	
19. S.E. Ireland 20. S.W. Ireland	Moderate N. to NW. winds, backing to SW. later; fair; misty inland at night; becoming milder.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0920 G.M.T. C. Simpson, F.R.S., Director.

‡ For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Tuesday 6th November 1923. No. 310

Observations at 0100 G.M.T. 6

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.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1001.1	+2	N	2	bjp	37	92	7	4000	CuNb	2	A St	3
Stornoway	51	1005.7	+2	NE	2	rr	•	•	4	•	•	•	•	•
Wick	81	1001.9	+2	NNW	2	bpr	37	92	8	2500	CuNb	3	-	3
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1004.4	+3	NE	6	bpr	42	92	9	5700	CuNb	2	-	2
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1001.7	+1	N	1	b	37	85	8	•	Cu	1	-	1
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1000.5	+1	W	1	b	37	92	7	-	-	0	A St	3
Blacksod Point ...	40	1005.9	+3	-	0	obr	35	85	7	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1001.1	+1	NNW	4	b	45	75	9	-	-	0	-	0
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	23	999.5	-1	NNW	4	mb+	41	92	4	-	-	0	-	0
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	62	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1000.7	0	NW	2	ffb	32	97	3	-	-	0	-	0
Gorleston	13	999.9	-1	NW	1	c+	41	92	7	2500	St	8	-	8
Valencia (Cahirciveen)	30	1006.4	+3	NNW	2	cpr	40	97	8	•	Nb	8	-	8
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1002.2	+2	N	1	cpr	40	92	8	1500	Nb	8	-	8
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	239	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	18	•	•	•	•	•	42	•	•	•	•	•	•	•
Croydon	244	999.9	+1	NNW	2	o/r	41	97	6	2500	StCu	10	-	10
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	998.5	0	N	3	o/r	41	97	6	800	St	10	-	10
Scilly (St. Mary's) ...	131	1003.2	0	NW	4	bc-	45	85	8	4000	Cu	4	-	4
Falmouth (Pendennis)	206	1002.1	+2	NNW	2	b+	43	85	8	5700	CuNb	3	-	3
Plymouth (Cattewater)	53	-	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1001.0	0	NW	2	b-	43	75	7	-	-	0	-	0
Southampton (Calshot)	12	1000.4	+2	NW'N	4	b/f	42	92	7	-	-	0	-	0
Dungeness	21	998.2	-2	N	3	o/r	43	97	6	2500	Nb	10	-	10
Guernsey														

Observations at 0700 G.M.T. 6

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun 0-9
Lerwick	1001.7	-2	NW	2	bcjp	38	92	7	4000	CuNb	4	-	4	1
Stornoway	1008.2	+3	NNW	2	bcPH	34	92	7	4000	CuNb	5	-	5	1
Wick	1004.5	+3	NNW	2	bc	36	92	8	2500	CuNb	4	-	4	0
Castlebay	1010.3	+4	NNW	4	cph	36	85	8	1500	St	8	-	8	3
Nairn	1006.3	•	-	0	c+	36	85	8	4000	Cu	7	-	7	•
Aberdeen	1009.1	+3	NW	3	bc/r	35	97	8	1500	CuNb	5	-	5	
Malin Head	1008.7	+4	N	6	bcPH	42	92	8	4000	CuNb	6	-	6	6
Renfrew	1006.1	+5	W	1	bc	30	85	6	2500	StCu	6	-	6	•
Edinburgh (Inchkeith)	1004.9	+4	NNW	3	bc+	36	85	8	•	StCu	4	-	4	1
Leuchars	1004.6	+4	NW	1	b	30	85	8	3700	StCu	3	-	3	•
Eskdalemuir	1005.3	+4	N	2	b	30	85	8	4000	StCu	3	-	3	•
Tynemouth	1002.1	+2	NNW	2	o/r	37	85	6	1500	Nb	10	-	10	•
Blacksod Point ...	1011.3	+5	NNW	5	bc	42	75	7	•	•	•	•	6	6
Donaghadee	1006.3	+1	N	5	bc+	41	75	8	1500	CuNb	5	-	5	0
Birr Castle	1008.6	•	NW	1	b-	32	97	8	1500	StCu	2	-	2	•
Holyhead	1003.7	+4	NNE	6	or	42	85	8	1500	Nb	10	-	10	•
Liverpool (Bidston) ...	1003.8	+2	N	1	c/f	37	92	8	2500	StCu	4	A St	7	2
Chester (Shotwick) ...	1003.4	+5	NW	2	c-	35	97	8	2500	StCu	8	-	8	•
Spurn Head	1006.8	+3	W	4	bc+	36	97	6	1500	St	4	-	4	2
Birmingham (Edgbaston)	1003.8	+3	NNW	3	mbc-	34	92	5	-	-	0	C St	5	•
Nottingham	1003.5	+4	W	2	Fb+	30	97	1	-	-	0	C St	1	•
Cranwell	1002.6	+2	W'N	3	fbc+	28	97	2	-	-	0	C St	4	•
Gorleston	1001.4	+2	W'N	2	mmb	36	97	5	1500	St	3	-	3	0
Valencia (Cahirciveen)	1011.1	+6	NNE	3	bc-	41	75	8	1500	Cu	4	-	4	4
Roches Point	1009.4	+5	N	2	b-	39	92	8	-	-	0	C	1	0
Pembroke (St. Ann's H.)	1006.1	+2	NNW	2	bcjp	41	75	8	2500	Nb	6	-	6	3
Ross-on-Wye	1004.0	+3	-	0	fc-	29	97	7	-	-	0	C	8	•
Leafield	1003.7	+5	N	2	fb-	32	92	5	4000	Cu	2	-	2	•
Andover	1003.7	+2	NNW	2	c-	29	97	6	4000	StCu	2	C	7	•
S. Farnborough ...	1003.3	+4	-	0	FFo	31	97	1	<150	St	10	-	10	•
London (Kew Obsy.) ...	1003.2	+5	SW	1	fc+	38	92	3	<150	St	6	C	7	•
Croydon	1003.3	+7	NNW	2	fb	37	97	3	-	-	0	-	0	•
Clacton-on-Sea ...	1002.2	+3	NW	2	c-	41	92	6	7200	StCu	7	-	7	0
Shoeburyness	1002.7	+3	NW	1	mmb	38	85	4	4000	StCu	1	-	1	•
Grain	1002.6	+4	NNW	3	b-	37	97	6	-	-	0	A St	1	0
Lympne	1002.0	+5	N	3	or	41	92	6	800	St	10	-	10	•
Scilly (St. Mary's) ...	1003.2	+2	NW	5	bc+	42	85	8	4000	CuNb	5	-	5	5
Falmouth (Pendennis)	1004.6	+2	NNW	2	obr	40	92	8	5700	CuNb	9	-	9	0
Plymouth (Cattewater)	1003.9	+2	NNW	3	o	41	97	8	2500	StCu	4	A St	0	0
Portland Bill	1002.7	+4	NE	1	bc+	40	92	7	-	-	0	A Cu	4	1
Southampton (Calshot)	1003.3	+3	NNW	3	mmbc	37	92	5	-	-	0	C	5	0
Dungeness	1002.3	+3	N	2	c/f	41	97	6	1500	St	8	-	8	3
Guernsey	1003.9	0	NN	2	ojp	43	92	8	4000	Nb	3	A St	9	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 5

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night 4-5 °F.	Temperature. Max. Day 5 °F.	Rainfall.† Night 17h.-9h. 4-5 mm.	Rainfall.† Day 9h.-17h. 5 mm.	Sunshine.	Sunshine. Sunrise to Sunset 5 hr.
Montrose ...	odm	cod	36	43	-	0.5		0.0
Berwick-on-Tweed	poRV	bcpR	38	48	0.1	0.1		2.5
Llandudno	cbbc	pcbc	41	49	2	Trace		3.4
Colwyn Bay	bc	bc	32	50	3	0.3		3.9
Rhyl	bc	bc	37	50	1	-		5.0
Southport	qcbc	cbcb	40	49	2	-		3.2
Blackpool	co	rc	44	50	-	1		4.5
Ilkley	bcbc	bcpbc	38	43	1	0.3		0.2
Harrogate	bc	bc	37	43	-	-		0.1
Skegness	b	bm	36	48	0.1	-		5.0
Aberystwyth ...	ror	b	45	49	-	4		0.8
Bath	roor	or	39	48	8	3		0.0
Leamington Spa ...	bc	om	35	46	-	-		0.0
Lowestoft	bcbco	ocbcoc	37	49	-	-		4.3
Felixstowe	om	og	39	48	-	-		0.3
Southend	o	o	38	50	-	-		0.0

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night 4-5 °F.	Temperature. Max. Day 5 °F.	Rainfall.† Night 17h.-9h. 4-5 mm.	Rainfall.† Day 9h.-17h. 5 mm.	Sunshine.	Sunshine. Sunrise to Sunset 5 hr.
Ilfracombe	orc	cop	42	50	14	6		0.5
Bude	r	r	43	53	2	5		0.9
Torquay	codo	cope	44	51	0.1	2		1.2
Weymouth	opo	opcpo	45	53	-	1		0.2
Bournemouth ...	oo	ocr	41	52	-	0.1		0.7
Portsmouth (S'thsea)	ocr	cf	44	49	-	3		0.0
Littlehampton ...	ocp	bcp	38	49	1	4		0.0
Worthing	orro	ro	38	48	-	5		0.0
Brighton	or	or	44	49	1	7		0.0
Eastbourne	or	oro	44	48	0.3	11		0.0
Hastings	moPo	oRdo	40	48	-	7		0.0
Folkestone	Xmo	rro	38	52	-	4		0.0
Dover	omdo	oro	42	49	-	3		0.0
Tunbridge Wells ...	o	odod	37	48	-	0.3		0.0
Ramsgate	o	oro	37	48	-	0.2		0.0
Margate	o	o	40	49	-	-		0.0
Deal	c	rc	40	49	-	3		0.0

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. ‖ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 22630 WEDNESDAY 7TH NOVEMBER 1923.

STATIONS. (For heights see p.4).	Observations at 1300 G.M.T. 6h: Barom. at M.S.L. mb.	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	Observations at 1800 G.M.T. 6h: Barom. at M.S.L. mb.	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1001.5	+2	NE	5	or-	40	97	6	4000	Nb	10	-	10	*	1004.5	+3	NNE	4	or	42	92	6	4000	Nb	6	A Sr	9	3
Stornoway	1010.1	+2	N	4	cPH	38	85	7	1500	Nb	8	-	8	*	1011.2	+1	NNW	2	bPH	35	85	7	1500	Nb	3	-	3	1
Wick	1004.8	0	NNW	4	cprs	39	92	8	2500	Cu.Nb	8	-	8	*	1005.0	0	NNW	5	oBG	38	97	8	2500	Nb	10	-	10	3
Castlebay	1011.5	+1	NW	4	bc/n	40	75	8	2500	Cu	6	-	6	*	1013.5	+3	N	3	b/sh	36	85	8	2500	Nb	3	-	3	4
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1008.0	*	W	1	bc	34	85	8	5700	StCu	5	-	5	*
Aberdeen	1006.9	+2	WNW	4	b	39	75	8	2500	Cu.Nb	1	-	1	1	1006.6	0	WNW	4	c+	36	85	8	2500	StCu	7	-	7	0
Malin Head	1012.3	+2	N	8	bcpH	39	97	9	5700	Cu.Nb	4	-	4	*	1013.8	+1	NNW	6	b/n	41	85	8	4000	Cu.Nb	3	-	3	6
Renfrew	1009.3	+2	NW	2	c+	42	65	8	4000	St.Cu	8	-	8	2	1011.2	+4	WNW	2	b	35	75	8	-	-	0	-	0	*
Edinburgh (Inchkeith)	1007.9	+3	NNW	3	bc+	41	75	8	*	Cu	2	A.Cu	6	*	1009.6	+3	NW	2	b-	38	85	8	*	StCu	1	-	1	1
Leuchars	1007.4	+3	NW	3	b	41	65	8	-	-	0	A.Cu	1	0	1008.5	+2	-	0	b-	31	85	8	-	-	0	-	0	*
Eskdalemuir	1008.4	+4	N'W	4	bc+	39	65	8	4000	St.Cu	5	-	5	1	1010.7	+2	-	0	b-	29	75	7	-	-	0	-	0	*
Tynemouth	1006.4	+3	N	3	or	40	92	6	1500	Nb	10	-	10	*	1010.0	+2	NNW	2	b/r	35	85	6	800	Sr	2	-	2	4
Blacksod Point	1016.2	+5	N	3	bc	44	75	8	*	*	*	*	6	*	1016.9	0	NW	2	o+	39	92	7	*	*	*	*	10	0
Donaghadee	1010.7	+2	N	4	c/sh	44	75	8	450	Cu.Nb	7	-	7	*	1013.6	+3	N	5	sh(r)	40	85	8	800	Sr	10	-	10	5
Birr Castle	1013.0	*	NW	2	bc+	+3	75	8	4000	St.Cu	6	-	6	*	1016.2	*	NW	1	bc	37	85	7	4000	Cu	6	-	6	*
Holyhead	1009.5	+4	N	5	bc	44	75	9	4000	Cu	4	-	4	1	1012.1	+4	NNW	6	b/r	43	75	9	2500	Cu	3	-	3	6
Liverpool (Bidston)	1007.9	+3	NNW	1	b	42	75	8	2500	St.Cu	2	Ci	3	*	1010.7	+3	NW	1	bc	40	75	6	2500	Sr	6	-	6	2
Chester (Shotwick)	1007.6	+3	NW	4	c	45	75	8	4000	Cu	6	A.Cu	8		1010.6	+3	NW	2	bcpg	35	85	6	1500	StCu	5	-	5	*
Spurn Head	1004.1	+4	NW	6	oPR+	43	92	7	4000	Cu.Nb	10	-	10	*	1007.3	+4	WNW	4	o/r	40	97	7	1500	Sr	9	-	9	3
Birmingham (Edgbaston)	1006.4	+3	N	2	c	42	85	4	2500	Cu	8	-	8	1	1010.1	+4	NNW	3	bmm	38	85	5	-	-	0	-	0	*
Nottingham	1005.9	+2	NNW	3	c-	43	92	5	-	-	0	Ci.St	7	*	1009.1	+6	NNW	2	bmm	30	85	4	-	-	0	-	0	*
Cranwell	1005.7	+1	NNW	4	bc	42	85	6	4000	St.Cu	3	A.Cu	6	1	1008.8	+4	NNW	4	o	39	92	7	2500	StCu	10	-	10	*
Gorleston	1004.9	+1	W	3	mbc	43	75	5	-	-	0	Ci	4	*	1006.5	+1	W	3	or	40	92	6	4000	Nb	10	-	10	0
Valencia (Cahirciveen)	1016.4	+4	N'E	4	b	48	55	9	2500	Cu	3	-	3	1	1019.0	+3	NW	2	opr	46	65	8	1500	St	7	A St	10	4
Roches Point	1013.8	+3	N	4	b-	45	85	9	4000	Cu	3	-	3	*	1017.3	+4	NNW	1	b-	42	85	8	-	-	0	A Cu	1	0
Pembroke (St. Ann's H.)	1008.0	+3	N	4	cH(R)	39	97	8	1500	Nb	8	-	8	*	1012.9	+3	NNE	2	cp	39	85	8	1500	Nb	8	-	8	3
Ross-on-Wye	1007.1	+3	NW'N	2	c+	44	75	8	4000	St.Cu	8	-	8	1	1010.7	+4	NW	1	b-	38	75	8	4000	StCu	1	-	1	*
Leafield	1006.6	0	NNW	2	bc+	42	85	6	-	-	0	Ci.St	4	1	1009.6	+4	NNW	3	bff	38	85	3	2500	Sr	3	-	3	*
Andover	1006.4	+2	N	2	c⊕	45	75	8	4000	St.Cu	1	Ci.St	8	0	1009.4	+3	N'W	3	b-	38	85	6	-	-	0	-	0	*
S. Farnborough	1006.4	+2	NW	2	mmo	44	85	6	2500	Cu	5	Ci	10	1	1008.8	+3	NW	2	bmm	37	97	6	-	-	0	Ci St	4	*
London (Kew Obsy.)	1006.3	+2	NNW	2	bc	45	85	6	4000	Cu	2	Ci	4	1	1008.4	+4	NW	1	b	41	85	5	-	-	0	-	0	*
Croydon	1006.4	+2	NW	2	mbc	45	75	4	2500	Cu	3	Ci	5	1	1008.7	+4	N'W	2	omm	42	85	4	2500	StCu	4	A St	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.1	+2	NW	2	c+	40	92	5	2500	Cu	6	A Cu	8	0
Shoeburyness	1005.8	+3	NW	3	mmb	47	75	6	-	-	0	A.Cu	2	*	1007.9	+3	-	0	bmm	37	85	6	-	-	0	-	0	*
Grain	1005.4	+3	WNW	3	b	47	65	7	4000	Cu	2	-	2	1	1008.3	+4	WNW	1	b	35	97	6	4000	St	3	-	3	0
Lympne	1005.4	0	N	3	b	46	65	6	4000	Cu	1	Ci	2	2	1007.8	+4	N	3	c-	39	85	5	-	-	0	A St	7	*
Scilly (St. Mary's)	1009.2	+4	NNW	6	bc	47	75	8	4000	Cu	6	-	6	*	1013.2	+3	N'W	6	b	45	75	8	4000	Cu.Nb	2	-	2	6
Falmouth (Pendennis)	1008.3	+4	N	3	or/o	41	85	8	7200	Cu.Nb	10	-	10	*	1011.1	+3	N	5	c+	43	75	7	5700	StCu	8	-	8	0
Plymouth (Cattewater)	1007.4	+3	N	3	or	42	85	8	2500	Nb	3	A.St	10	2	1011.7	+6	N'W	4	bc-	42	85	7	1500	St	5	-	5	0
Portland Bill	1005.9	+2	NE	2	c+	45	65	7	-	-	0	A.Cu	8	*	1009.2	+2	NE	2	b-	43	75	7	-	-	0	-	0	1
Southampton (Calshot)	1006.5	+2	N	2	mmo	46	65	4	-	-	0	A St	10	0	1009.1	+5	N'W	4	bm-	43	75	6	-	-	0	-	0	0
Dungeness	1004.7	+2	NNE	2	b	47	75	6	-	-	0	-	0	*	1006.7	+4	N	2	om+	42	92	4	4150	St	10	-	10	3
Guernsey	1005.5	-1	W'N	4	cdd	45	85	8	2500	Cu.Nb	7	-	7	*	1008.7	+5	N	3	orr	42	92	7	1500	Nb	10	-	10	1

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
		24 HOURS ENDED 0900 G.M.T. 7th								YESTERDAY.		TO-DAY.
Kew	18	bcf	bcz	bczbm	bmwmx	*	23	-	-	3.4	*	*
Croydon } 24 hours ended 0700	244	bbcf	bcozm	ombmx		*	25	-	-	4.0	*	*
Greenwich (Royal Obsy.)	149	bm	bcco	obobx	45	31	25	-	-	0.2	72	82
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	1.6	*	*
Westminster (St. James' Pk.)	27	*	*	*	45	30	25	-	-	1.9	69	85
Regent's Pk. (Botanic Gdns).	—	*	*	*	*	*	*	*	*	3.6	*	*
Camden Square	110	bbc	bcc	*	48	31	27	-	-	*	*	88
Kensington Palace	80	fxc	co	*	46	31	26	-	-	*	{At 18h. 85	89
Hampstead Observatory	450	*	*	*	46	29	18	-	tra	5.6		92

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1900 G.M.T. 6h

South Kensington Max.	Time.	Min.	Time.
1.4	22h. 5m.	0.3	2h. 6m.
2.0	10h. 6m.		

Kew Observatory Max.	Time.	Min.	Time.
0.5	21h. 5m.	0.3	3h. 6m.
0.8	9h. 6m.		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 6h. 17m. 30s. to 7h. 0m. 50s.

Stars.	Exposure.	Record.	
	h. m.	h. m.	%
Polaris	1230	8.10	65
δ Ursae Minoris	1230	6.52	55

CODE FOR STATE OF GROUND.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Drift (or wet grass but not wet ground).
6 = Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per ½ sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	-	-	-	-
01h.	-	-	-	-
07h.	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

7th & 8th NOV., 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.0	11.37	4.14
	7.2	11.37	4.12
Greenwich	7.5	11.44	4.23
	7.7	11.44	4.21
Wick	7.44	11.56	4.8
	7.46	11.56	4.6
Valencia	7.47	12.25	5.3
	7.49	12.25	5.1

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog. " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
ip precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = 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; - = "decreasing"; + = "increasing."

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 miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

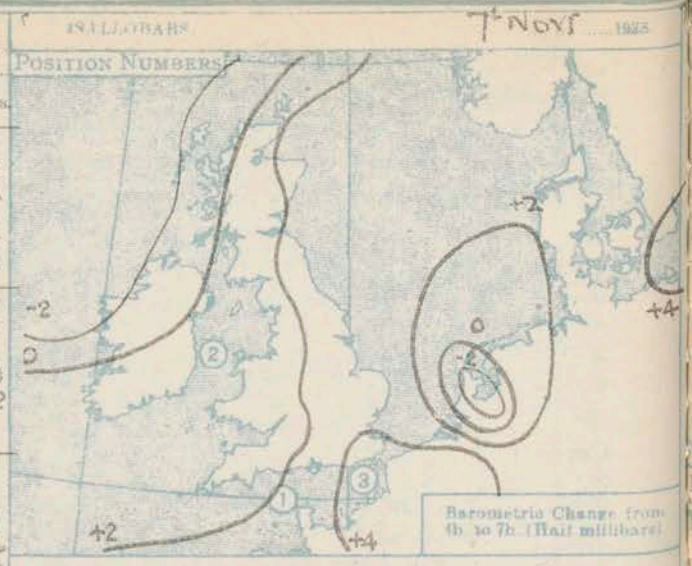
SEA DISTURBANCE.

0 = no swell } Calm or slight sea.
1 = mod. swell
2 = heavy swell
3 = no swell } Moderate sea.
4 = mod. swell
5 = heavy swell
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea

[1] For explanation see Introduction.
* Information for these columns not usually received.
† The barometric change is expressed in half millibars.
§ For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. G	13h.-18h. G	18h. G to 1h. 7	1h.-7h. 7	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. Hours.
Lerwick	omr	omr	bcp	omr	44	37	•	8	4	<0800	<2100	1.7
Stornoway	p	p	b.bc	c	39	31	•	2	0.2	–	–	3.0
Wick	cprs	phrsqom	oiRc	c	40	36	•	5	2	0900	<2100	•
Castlebay	hspld	bhslbc	boshb	bo	40	36	•	7	1	–	–	3.5
Nairn	cbem	cbc	bcxc	cbc	40	30	•	–	–	–	–	5.3
Aberdeen	bcb	bbec	oirsisis	irsoc	39	34	32	–	5	–	<2100	6.4
Malin Head	cpHR	cPHR	p.bcr	bcv	45	37	•	1	0.1	<0800	<2100	4.3
Renfrew	bcmc	cbcb	bm	bmbm	42	26	17	–	–	–	–	6.3
Edinburgh(Inchkeith)	bc	bcb	b	b	42	34	30	–	–	–	–	7.3
Leuchars	bmbcl	b-bc	bb	bbx	41	29	13	Trace	–	<0800	–	7.0
Eskdalemuir	bcbbc	bcbbx	bx	bx	39	25	21	–	–	–	–	6.2
Tynemouth	Irm	irc	bbcm	bbcm	40	30	28	2	–	<0800	–	•
Blacksod Point ...	p	p	p	c	46	30	•	3	0.6	–	–	•
Donaghadee	cvph	bcq.plv	bcph	bcq	45	32	•	2	1	0900	<2100	•
Birr Castle	co	co	c	cox	47	27	19	–	–	–	–	7.0
Holyhead ... TPH	TPHbc	bcphrbr	bbcqv	bbcv	45	41	38	2	0.2	<0800	<2100	4.6
Liverpool (Bidston)...	ocbc	bec	oc		44	35	31	–	–	–	–	4.3
Chester (Shotwick) ...	Cmoffo	cophc	bcpcbcm	bcorrhsf	45	30	22	Trace	2	16.30	<2100	3.0
Spurn Head	p	r-d	r-d	f-m	44	33	•	1	5	<0800	–	1.3
Birmingham(Edgbaston)	ocm	cbcm	bbmm	obm	43	31	26	–	–	–	–	2.1
Nottingham	Fro	f-m	f.bobs	f-mx	44	27	23	0.6	1	1100	2200	0.0
Cranwell	cfbcorsd	mccc	cf	bmx	43	26	23	0.2	trace	0900	2400	2.4
Gorleston	cfbcm	coirs	bcp	cprc	44	36	33	0.5	4	15.30	2200	4.5
Valencia (Cahirciveen)	bwy	bypo	orcp	pbc	48	37	33	0.1	2	17.30	0230	7.0
Roches Point	bccb	bb	bx	bb	46	36	•	–	0.1	–	–	•
Pembroke(St.Ann's H.)	cwrn	cqphr	bbc	c	44	39	•	9	–	<0800	–	0.4
Ross-on-Wye	fbc	cofvb	bx	bx	45	23	18	–	–	–	–	4.3
Leafield	xbc	bcofbc	bbc	bbcx	43	26	18	–	–	–	–	4.9
Andover	cxmc	cbcbm	bm	bmbx	46	26	18	–	–	–	–	3.5
S. Farnborough ...	fcbco	ombcm	bcmbm	bx	46	25	18	–	–	–	–	3.7
London (Kew Obsy.)...	bcfbcj	bczbm	bmbmx	bmxmx	46	32	23	–	–	–	–	3.4
Croydon	bbcfm	bccm	ombmx	bmx	47	30	25	–	–	–	–	4.0
Clacton-on-Sea ...	cbcm	bccm	cmbc	bc	45	32	29	–	–	–	–	6.4
Shoeburyness... ...	bm	bm	bmx	bmx	47	31	27	Trace	–	–	–	6.4
Grain	bbm	bbcmx	bcmx	bxm	47	30	24	–	–	–	–	5.6
Lympne	Ocbm	bcm	cbcmm	bmx	47	30	26	Trace	trace	<0800	–	5.3
Scilly (St. Mary's) ...	cphr	cbcq	bcq	bc	48	43	•	1	–	<0800	–	4.8
Falmouth (Pendennis)	cpr	copH	bc	bc	44	39	•	5	2	1100	0330	0.8
Plymouth(Cattewater)	Or	orrc	bcbx	bbcx	45	34	18	2	–	<0800	–	0.9
Portland Bill	c	c	b.bc	bbc	45	40	•	–	–	–	–	•
Southampton(Calshot)	bcmom	cmbm	bm	bmx	46	32	31	–	–	–	–	2.1
Dungeness	bbc	zmc	f-m	bbcmx	49	31	•	–	–	–	–	•
Guernsey	pc	rro	irocbcq	c	50	39	•	10	04	<0800	<2100	•



Observations from Cross Channel Steamers.

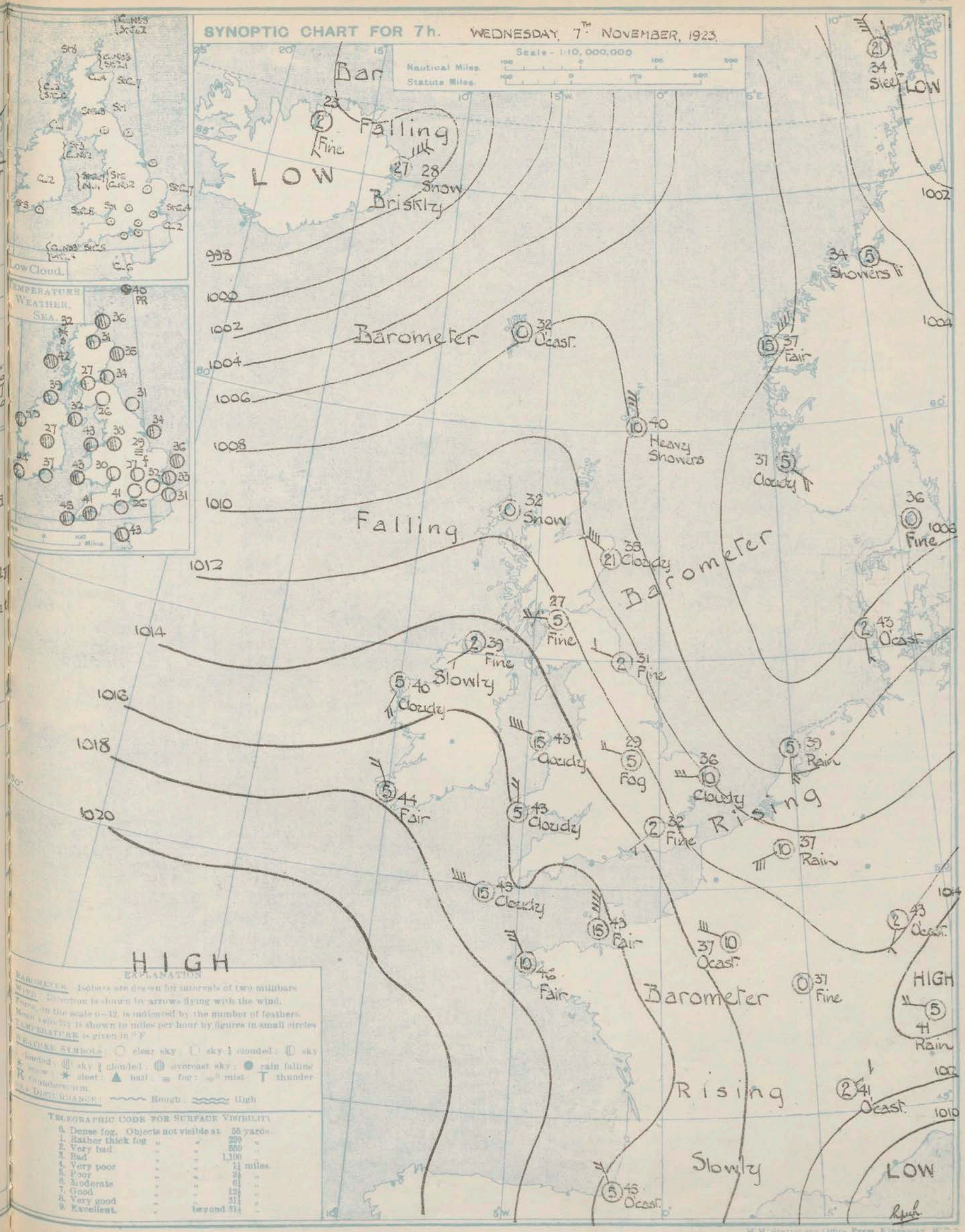
Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.	Visibility.
2	6th 1010	Hibernia	N	7	cpq	45	52	6
1	• 1300	Reindeer	N	3	HR	44	55	7
3	7th 0200	Dieppe	NW	2	bc	43	55	6

GENERAL INFERENCE.

The depression near Iceland appears to be growing deeper but the anticyclone north of the Azores shows no signs of giving way. Winds will be southwesterly with rather milder and unsettled weather for a time in Scotland but further South the weather will continue mainly fair with frost and mist or fog at night.

Wednesday 7th November, 1923.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light or moderate N.W. to W. winds; fine; mist or fog at night; cold, frost at night.	None issued. -----
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind between W and S.W., moderate or fresh; mist or fog at night; cold, slight frost at night.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland	Wind W to S.W., freshening; fair to cloudy, probably some rain or drizzle later; mist at night; cold, with frost locally at night, becoming less cold temporarily.	
15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Wind between W. and S.W., fresh to strong at times; cloudy, some showers; rather cold.	
19. S.E. Ireland 20. S.W. Ireland	Wind between W. and N.W., moderate; mainly fair; visibility good apart from inland mist at night; less cold temporarily.	



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Wednesday, 7TH November 1923. No. 311

Observations at 0100 G.M.T. 7th

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.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1006.7	+2	NNE	3	bpr	41	92	7	4000	CuNb	3	-	3
Stornoway	51	1012.7	+1	NW	1	bc	*	*	6	*	*	*	*	*
Wick	81	1007.5	+2	NW	5	bc/r	38	92	8	2500	CuNb	6	-	6
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	71	1014.0	0	N	4	b	41	85	9	5700	CuNb	2	-	2
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	100	1010.3	+1	NSN	3	b	36	92	7	*	*	0	-	0
Leuchars	30	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	116	1009.9	0	NN	1	b	30	85	6	-	-	0	-	0
Blacksod Point ...	16	1016.5	0	SE	1	opr	38	92	7	*	*	*	*	10
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	1013.7	+1	NW	5	b	43	75	9	2500	Cu	3	-	3
Liverpool (Bidston) ...	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	26	1009.3	+2	NNW	6	b	37	85	7	-	-	0	-	0
Birmingham (Edgbaston)	525	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	237	1011.8	+2	NNW	4	b	33	92	7	-	-	0	-	0
Gorleston	15	1008.6	0	W	2	bpr	38	97	7	2500	Nb	2	-	2
Valencia (Cahirciveen)	30	1017.6	-2	NNW	3	bc-	45	92	9	*	CuNb	4	-	4
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	140	1016.5	+1	NNW	3	b	40	75	8	-	-	0	-	0
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	558	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	296	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	250	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	18	*	*	*	*	*	34	*	*	*	*	*	*	*
Croydon	344	1012.2	+3	NNW	2	b	32	92	6	-	-	0	-	0
Clacton-on-Sea ...	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1009.9	+1	N	4	b	34	92	6	-	-	0	-	0
Scilly (St. Mary's) ...	131	1017.4	+3	NW	4	b	44	75	8	4000	Cu	3	-	3
Falmouth (Pendennis)	200	1015.6	+4	N	4	b	42	75	7	5700	StCu	2	-	2
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	19	1012.2	+2	N	2	b	40	75	7	-	-	0	-	0
Southampton (Calshot)	12	1012.7	+2	NNW	4	mb-	36	85	6	-	-	0	-	0
Dungeness	24	1009.7	+2	NNE	2	b	37	97	6	-	-	0	-	0
Guernsey														

Observations at 0700 G.M.T. 7th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea 0-9
Lerwick	1007.5	+1	N	3	oPR	40	92	6	4000	CuNb	10	-	10	2
Stornoway	1010.7	-1	-	0	CS	32	85	7	800	St	8	-	8	0
Wick	1008.9	+2	NW	2	c	36	92	8	2500	CuNb	7	-	7	0
Castlebay	1011.3	-3	SW	3	o	42	75	8	2500	StCu	9	-	9	3
Nairn	1010.9	*	-	0	bc-	31	85	8	4000	Cu	4	-	4	*
Aberdeen	1009.5	+3	NW	5	c	35	85	8	2500	StCu	7	Ci	8	0
Malin Head	1013.2	-1	SW	1	b	39	85	9	4000	Cu	1	-	1	4
Renfrew	1012.5	+1	W	2	b	27	92	6	2500	StCu	3	-	3	*
Edinburgh (Inchkeith)	1011.0	+1	WSW	3	b	34	92	8	*	St	1	-	1	1
Leuchars	1010.5	+2	NW	4	b	33	75	8	-	-	0	-	0	*
Eskdalemuir	1012.7	+2	NNW	2	b	26	85	8	-	-	0	-	0	*
Tynemouth	1010.4	+2	NN	1	b	31	85	6	-	-	0	-	0	*
Blacksod Point ...	1014.7	-3	SW	2	c+	40	92	8	*	*	*	*	7	4
Donaghadee	1014.6	0	W	1	bc+	32	97	8	800	St	5	-	5	2
Birr Castle	1016.7	*	E	1	o+	27	97	5	2500	Cu	2	A St	10	*
Holyhead	1014.3	+1	NNW	4	c+	43	65	9	2500	StCu	8	-	8	5
Liverpool (Bidston) ...	1013.2	+1	W	4	c	38	75	7	1500	St	8	-	8	3
Chester (Shotwick) ...	1013.5	+1	WNW	4	ess	35	92	6	1500	CuNb	8	-	8	*
Spurn Head	1011.6	+3	WNW	5	bc	34	92	7	-	-	0	A Cu	5	4
Birmingham (Edgbaston)	1014.2	+2	WNW	4	b	33	92	6	2500	StCu	1	-	1	*
Nottingham	1013.1	+2	WNW	2	ffb	29	85	2	-	-	0	-	0	*
Cranwell	1012.9	+2	W	3	mmb	27	97	5	-	-	0	-	0	*
Gorleston	1011.6	+3	WNW	3	c+	36	92	6	5700	StCu	7	-	7	1
Valencia (Cahirciveen)	1017.5	+1	NNW	2	bc	44	75	8	4000	St	5	-	5	4
Roches Point	1016.8	0	NNW	1	b	37	97	7	-	-	0	-	0	0
Pembroke (St. Ann's H.)	1015.9	0	N	2	c+	43	65	8	2500	StCu	8	-	8	3
Ross-on-Wye	1014.8	+1	SSE	1	b	30	85	8	2500	St	1	-	1	*
Leafield	1015.0	+3	NNW	2	b	27	85	8	-	-	0	A St	1	*
Andover	1014.8	+1	NNW	3	b	26	97	7	-	-	0	-	0	*
S. Farnborough ...	1014.2	+3	-	0	b	26	97	7	-	-	0	-	0	*
London (Kew Obsy.) ...	1014.5	+3	SW	1	b	32	85	5	-	-	0	-	0	*
Croydon	1014.2	+4	WSW	2	b	30	97	6	-	-	0	-	0	*
Clacton-on-Sea ...	1011.9	+3	NW	2	bc	33	85	6	7200	StCu	4	-	4	0
Shoeburyness	1013.1	+3	NNW	1	mmb	32	85	5	-	-	0	A St	1	*
Grain	1013.1	+4	W	4	mb	31	85	5	-	-	0	-	0	0
Lympne	1013.4	+5	N	3	b	31	85	5	4000	StCu	1	-	1	*
Scilly (St. Mary's) ...	1017.3	0	WN	4	c+	45	85	8	4000	StCu	7	-	7	4
Falmouth (Pendennis)	1016.8	0	N	1	c	41	75	8	5700	StCu	8	-	8	0
Plymouth (Cattewater)	1017.0	+1	E	1	bc+	34	97	6	5700	StCu	4	-	4	0
Portland Bill	1015.1	+2	NNW	2	b	41	75	7	-	-	0	-	0	1
Southampton (Calshot)	1014.9	+3	NN	3	b	32	85	6	-	-	0	-	0	0
Dungeness	1013.1	+4	N	2	b+	31	~~85~~ 97	3	2500	Cu	2	-	2	2
Guernsey	1016.5	+3	N	4	bc	43	75	9	4000	Cu	6	-	6	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 6th

Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 5-6 °F.	Temperature. Max. Day. 6 °F.	Rainfall.† Night 17h.-9h. 5-6 mm.	Rainfall.† Day 9h.-17h. 6 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 6 hr.
Montrose	bcb	b	35	41	-	-		7.5
Berwick-on-Tweed	RSRS	rsobc	36	42	18	0.1		3.5
Llandudno	rc	cbch	37	45	11	4		1.4
Colwyn Bay	rc	bc	36	?46	14	1		1.8
Rhyl	chbc	bcc	34	45	3	1		2.6
Southport	bcbbc	bbcb	~~?038~~	~~?43~~	2	-		5.2
Blackpool	cb	cbc	32	44	-	-		4.5
Ilkley	xbcbc	c	28	43	0.2	-		1.9
Harrogate	bc	bc	31	41	1	-		3.3
Skegness	bmx	rcm	?27	48	Trace	Trace		1.9
Aberystwyth ...	bcc	b	34	45	1	-		3.0
Bath	fbbc	bbc	33	45	Trace	-		4.1
Leamington Spa ...	cbc	cbom	27	45	-	-		3.5
Lowestoft	b	bbcopscb	36	44	-	0.1		5.2
Felixstowe	bf	bcm	30	45	1	-		6.5
Southend	fb	bbc	36	48	1	-		6.5

Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 5-6 °F.	Temperature. Max. Day. 6 °F.	Rainfall.† Night 17h.-9h. 5-6 mm.	Rainfall.† Day 9h.-17h. 6 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 6 hr.
Ilfracombe	op	oc	44	47	Trace	0.3		0.0
Bude	rpocp	cpbc	38	46	15	3		0.4
Torquay	bc	b	39	47	0.1	-		3.9
Weymouth	bcc	cbc	35	45	0.2	-		0.1
Bournemouth ...	boloc	oc	30	45	1	-		2.1
Portsmouth (S'thsea)	bc	oc	37	46	-	-		1.4
Littlehampton ...	bcm	bcm	35	46	1	-		5.5
Worthing	bo	o	36	47	1	-		4.0
Brighton	mb	bcof	39	47	5	-		3.4
Eastbourne	bbc	co	40	49	3	-		4.4
Hastings	bcw	comf	40	48	4	-		4.6
Folkestone	m3b	bbcof	41	47	-	-		4.6
Dover	omcmb	bbcf	43	48	2	-		4.5
Tunbridge Wells ...	bfbof	of	36	46	Trace	-		2.7
Ramsgate	bcb	bm	41	47	0.2	-		5.5
Margate	bcb	bbco	43	47	1	-		5.5
Deal	mbc	bbcm	40	46	1	-		4.3

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* = information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22631 THURSDAY, 8th NOVEMBER 1923.

STATIONS. (For heights see p.4).	1300 G.M.T. 7th Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	1800 G.M.T. 7th Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1008·1	-1	NE	2	bc	41	92	7	5700	Cu	5	Ci	6	•	1006·9	-2	SW	1	bcjp	40	97	7	4000	CuNb	2	ASt	4	0
Stornoway	1005·4	-6	SW	2	or_0r_0	40	97	6	450	St	10	-	10	•	1001·2	-4	SW	4	oRR	44	97	6	450	St	10	–	10	3
Wick	1008·4	-1	WNW	1	c+	40	75	8	5700	Cu	1	Ci St	7	•	1005·3	-3	SW	3	o	40	85	8	1500	St	2	ASt	10	0
Castlebay	1006·4	-5	SW	4	ojp	45	92	8	2500	St	10	-	10	•	1004·0	-1	SSW	5	op ~~orR~~	47	97	7	800	Nb	10	-	10	6
Nairn	•	•	•	•	•	•	•	•	•	•		•	•	•	1006·1	•	W	1	c/r	36	85	8	1500	St	8	-	8	•
Aberdeen	1009·9	0	WNW	2	b	39	75	8	-	-	0	Ci	1	1	1009·0	-1	WSW	2	bc+	36	75	5	-	-	0	ASt	6	0
Malin Head	1009·8	-4	SSW	4	c	41	92	8	-	-	0	CiCu	7	•	1006·9	-3	S	5	or_0r_0	39	97	7	4000	Nb	10	-	10	3
Renfrew	1012·2	-2	W	2	b+	42	65	6	-	-	0	A.Cu	2	1	1010·6	-1	-	0	o+	35	85	5	5700	St	3	ASt	10	•
Edinburgh (Inchkeith)	1011·2	-1	W	3	b/f	40	75	8	•	-	0	Ci St	1	•	1010·0	+1	W	2	bc/f	39	97	7	•	St	1	ACu	5	1
Leuchars	1010·3	-1	NW	3	b	40	55	8	-	-	0	Ci	2	0	1009·5	-1	-	0	bc+	32	75	7	-	-	0	ACu	6	•
Eskdalemuir	1012·2	-1	W	3	b	38	55	8	-	-	0	Ci St	1	3	1012·4	0	-	0	b-	28	85	8	-	-	0	-	0	•
Tynemouth	1012·2	0	WNW	1	b	40	75	7	1500	St	2	-	2	•	1012·5	+1	WNW	1	fb	35	75	3	-	-	0	-	0	2
Blacksod Point	1010·3	-3	SSE	5	opr_0	45	85	7	•	•	•	•	10	•	1006·4	-2	SE	5	orr	47	92	7	•	•	•	•	10	5
Donaghadee	1013·8	-1	WSW	3	bc+	43	92	9	-	-	0	A.Cu	5	•	1012·3	+1	SW	2	o+	38	85	8	1500	St	10	-	10	3
Birr Castle	1014·4	*	SE	1	c-	38	97	7	4000	StCu	8	-	8	•	1010·6	•	SE	1	o+	40	92	5	2500	StCu	10	-	10	•
Holyhead	1013·7	-2	-	0	bc-	47	55	9	4000	Cu	6	-	6	0	1013·1	-1	SW	3	bc	42	65	8	4000	Cu	1	Ci	6	0
Liverpool (Bidston)	1014·0	+1	NW	1	c+	42	55	9	2500	CuNb	8	-	8	•	1014·1	+1	SW	1	bc	38	85	6	4000	St	2	ASt	4	2
Chester (Shotwick)	1014·2	0	WNW	3	c	42	75	7	2500	CuNb	7	-	7	2	1014·1	-1	SE	1	b-	33	85	5	-	-	0	-	0	•
Spurn Head	1012·4	+2	WNW	3	bc	41	85	7	4000	Cu	4	CiCu	6	•	1013·6	+2	WSW	3	b	39	92	6	-	-	0	-	0	4
Birmingham (Edgbaston)	1014·2	0	NW	4	bc	42	75	6	2500	Cu	5	-	5	1	1015·0	0	NW	2	bcf+	35	85	3	-	-	0	-	0	•
Nottingham	1013·4	0	NW	2	b	43	55	5	-	-	0	-	0	•	1014·1	+2	WNW	1	bf+	34	85	2	-	-	0	-	0	•
Cranwell	1014·1	+1	NW	1	mmbc	40	85	5	4000	St	2	A-Cu	5	0	1015·0	+3	W	2	bff	31	85	3	4000	St	1	-	1	•
Gorleston	1012·7	0	WNW	3	b	41	85	5	2500	St	2	-	2	•	1014·5	+1	WNW	2	b	35	85	5	2500	St	2	-	2	0
Valencia (Cahirciveen)	1014·0	-6	SSW	3	o+	47	75	7	2500	St	6	ASt	10	1	1008·8	-5	SE	4	c/r	48	92	7	1500	St	7	ASt	10	4
Roches Point	1015·1	-3	SW	1	o	45	85	8	4000	StCu	1	Ci St	9	•	1011·4	-4	SW	3	or_0	47	92	8	2500	Nb	10	-	10	3
Pembroke (St. Ann's H.)	1015·9	0	-	0	bc	45	75	8	2500	Cu	4	-	4	•	1014·0	-1	S	3	bc	45	75	8	2500	Cu	4	-	4	2
Ross-on-Wye	1014·6	0	WNW	2	bc+	45	65	9	4000	Cu	4	-	4	5	1014·8	0	-	0	bm	34	85	5	-	-	0	Ci	1	•
Leafield	1015·1	-1	NW	3	b+	41	75	8	4000	Cu	2	-	2	-x	1015·4	0	SW	1	b-	31	85	8	-	-	0	-	0	•
Andover	1015·1	0	NW	3	b+	43	65	7	4000	Cu	3	-	3	0	1015·4	0	-	0	b-	33	85	6	4000	StCu	1	-	1	•
S. Farnborough	1015·3	0	WNW	3	bc+	44	75	8	2500	Cu	4	-	4	1	1015·9	+1	-	0	bm	31	92	6	-	-	0	-	0	•
London (Kew Obsy.)	1015·0	-1	W	2	bc	42	65	6	4000	Cu	4	-	4	1	1015·9	+2	SSW	1	bm	36	85	4	-	-	0	-	0	•
Croydon	1015·3	0	NNW	3	bc+	41	65	6	4000	Cu	4	-	4	1	1015·6	+2	WSW	2	b-	35	85	6	-	-	0	-	0	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1014·4	+2	WNW	1	bc	36	85	6	4000	StCu	3	ACu	4	0
Shoeburyness	1014·0	+1	NW	2	b/f	43	75	7	7200	Cu	1	-	1	•	1014·9	+1	-	0	bm+	36	85	5	-	-	0	ASt	1	•
Grain	1014·0	-1	W	4	b	42	75	5	1500	Cu	1	-	1	0	1015·3	+3	WSW	3	b	31	75	7	-	-	0	ASt	1	0
Lympne	1014·1	0	NNW	3	b	41	65	5	-	-	0	-	0	•	1015·4	+2	NW	3	b	33	85	5	-	-	0	-	0	•
Scilly (St. Mary's)	1016·5	-1	NW	4	$bcph_0$	47	85	8	4000	CuNb	5	-	5	•	1015·1	0	WNW	3	o-	46	85	8	4000	StCu	10	-	10	2
Falmouth (Pendennis)	1016·2	-2	-	0	$bcpr_0$	44	75	8	5700	CuNb	5	-	5	•	1014·7	0	NW	1	b+	43	85	8	5700	StCu	3	-	3	0
Plymouth (Cattewater)	1016·7	-1	ESE	1	o-	44	85	8	1500	StCu	9	-	9	1	1015·7	0	-	0	b-	42	92	7	1500	St	3	-	3	0
Portland Bill	1015·8	0	NNW	2	bc+	46	65	7	4000	Cu	6	-	6	•	1014·9	-1	NNW	2	bc	45	65	7	4000	CuNb	6	-	6	1
Southampton (Calshot)	1015·6	-2	NW	3	bc+	44	65	7	2500	Cu	4	-	4	0	1016·1	+1	WNW	1	b-	37	75	6	-	-	0	-	0	0
Dungeness	1014·1	0	NNW	3	b+	42	75	7	2500	Cu	3	-	3	•	1014·8	+1	NNW	2	b	34	85	7	-	-	0	-	0	2
Guernsey	1017·5	-2	WNW	2	cjp	46	75	9	4000	Cu	5	ASt	7	•	1016·8	-1	S	2	or_0r_0	41	97	7	1500	Nb	10	-	10	0

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather: Morning.	Weather: Afternoon.	Weather: Night.	Temperature: Max. °F.	Temperature: Min. °F.	Min. on Grass. °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
		24 Hours ended 0900 G.M.T. 8th								Yesterday.	Yesterday.	To-day.
Kew (24 hours ended 0700)	18	bmxbcg	bcxbmx	omxbf	•	•	20	Tr	-	6·7	•	•
Croydon (24 hours ended 0700)	244	bm3x	bcbzm	bmwz	•	•	22	-	-	7·4	•	•
Greenwich (Royal Obsy.)	149	bbcm	bcm	bcmbfr	42	23	14	-	-	2·7	65	95
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	1·6	•	•
Westminster (St. James' Pk.)	27	•	•	•	43	25	21	-	-	3·7	66	84
Regent's Pk. (Botanic Gdns).	—	•	•	•	•	•	•	•	•	5·4	•	•
Camden Square	110	b-bc	c	•	44	27	25	-	-	•	•	?
Kensington Palace	80	bc	cbc	•	43	24	21	-	-	•	(At 18h) 70	100
Hampstead Observatory	450	•	•	•	42	30	15	-	-	5·5	•	76

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 7th

South Kensington Max.	Time.	Min.	Time.
1·0	22h. 6th	0·3	1-2h. 7th
1·3	9h. 7th		

Kew Observatory Max.	Time.	Min.	Time.
1·0	20h 6th	0·3	4h. 7th
0·6	9h. 7th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 7th 17 h. 30 m. to 06 h. 00 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	12.30	11.28	92
δ Ursae Minoris	12.30	11.15	90

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per ¼ sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	-	-	-	-
01h.				
07h.				

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

8th & 9th November, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.2 / 7.4	11.37 / 11.37	4.12 / 4.10
Greenwich	7.7 / 7.9	11.44 / 11.44	4.21 / 4.19
Wick	7.46 / 7.49	11.56 / 11.56	4.6 / 4.3
Valencia	7.49 / 7.51	12.25 / 12.25	5.1 / 4.59

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain. rr = continuous rain.

SYMBOLS.

<= { less than (for cloud height). before (for precipitation).
⊕ = 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; − = "decreasing"; + = "increasing."

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.

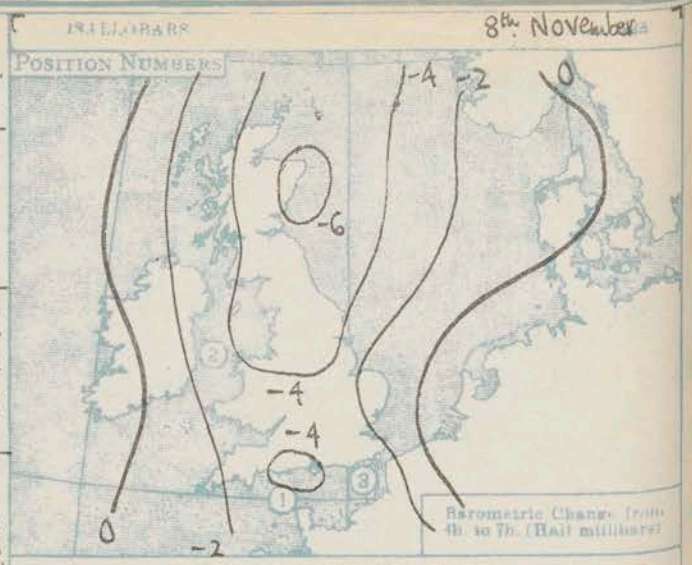
SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-13h. 7th	Weather. 13h.-18h. 7th	Weather. 18h. 7th to 1h. 8th	Weather. 1h.-7h. 8th	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass.	Rainfall.† Day. 7h.-18h. mm.	Rainfall.† Night. 18h.-7h. mm.	Rainfall.† Precipitation began.	Rainfall.† Precipitation began.	Sun. 7th Hours.
Lerwick	bcpr	bc	omr	omr	43	38	•	2	11	<0800	24·00	1·4
Stornoway	r.d	r-d	r-d	rrc	44	35	•	20	15	-	-	0·0
Wick	c	oo	rriR	oir	41	37	•	-	5	-	<2100	•
Castlebay	opo	op	oprr	rrobc	47	39	•	1	3	-	-	0·0
Nairn	bccq	cpq	o'ired	dcq	38	36	•	0·6	1	17.30	2200	3·9
Aberdeen	cqb	bdbcm	bcmbm	iro r	39	35	31	-	1	-	03·30	5·9
Malin Head	bccov	c	r r	coir	42	39	•	0·2	1	17.30	<2100	2·2
Renfrew	bxb3	bbcmx	omx	orrR	43	34	32	-	3	-	01·30	7·2
Edinburgh (Inchkeith)	3b	2b	c	cr	42	38	35	-	Trace	-	0630	6·8
Leuchars	b	bbc	bcxc	co	41	30	15	-	-	-	-	7·5
Eskdalemuir	bby	bbcbx	bbccx	oxor	39	26	20	-	7	-	02·30	7·7
Tynemouth	bbc	bcif	bffm	oo	41	32	30	-	Trace	-	06·30	•
Blacksod Point ...	c	r-d	r-d	b	47	40	•	2	3	-	-	•
Donaghadee	bc	c	o	bd	45	37	•	-	1	-	02·30	•
Birr Castle	gofoc	co	or co	cr co	40	40	37	-	2	-	<2100	0·0
Holyhead	pr cv	bvbcv	bcbv	bcvR	49	42	37	Trace	6	<0800	03·30	4·1
Liverpool (Bidston) ...	ophbc	bc		bcor	43	32	29	-	1	-	05·30	4·1
Chester (Shotwick) ...	oprsmoc	cprs bc	bbxm	bxcorsm	43	28	20	0·6	0·5	<0800	05·30	3·1
Spurn Head	bbc	b-bc	bbx	b-bc	42	33	•	-	-	-	-	5·4
Birmingham (Edgbaston)	bmbc	bcbm	bbfm	bbm	43	29	14	-	-	-	-	6·1
Nottingham	bm	fm	bf	f-mx	43	21	19	-	-	-	-	3·8
Cranwell	bxcbc	bcmb	b-bcm	bx	42	26	19	-	-	-	-	4·5
Gorleston	co3	bz	bzx	bmx	42	29	25	-	-	-	-	6·0
Valencia (Cahirciveen)	bcco	oro	oordc	oro	48	46	40	3	1	13.30	<2100	0·0
Roches Point	bo	oso	orr	rrb	48	44	•	Trace	3	•	<2100	•
Pembroke (St. Ann's H.)	bbc	p	b-bc	b-bc	47	45	•	0·2	-	15.30	-	5·2
Ross-on-Wye	bvbcv	bcvcb	bmx	bmX	46	22	14	-	-	-	-	7·1
Leafield	b	bcx		bx	42	25	13	-	-	-	-	8·4
Andover	bxb	bbm	bmx	bmx	43	19	14	-	-	-	-	7·3
S. Farnborough ...	xobc	bcbmx	bmf	bfx	46	20	15	-	-	-	-	6·5
London (Kew Obsy.) ...	bmxbc	bczbmx	bmxbf	bfxofx	43	22	20	Trace	-	-	-	6·7
Croydon	bm3x	bcbzm	bmwx	bmx	43	26	22	-	-	-	-	7·4
Clacton-on-Sea ...	bcb	bbcm	bcm	bcmx	41	28	22	-	-	-	-	7·9
Shoeburyness	bmxb	bbm	bmbffx	bffx	44	19	11	-	-	-	-	7·4
Grain	bm	bmb	bmf	f	43	23	16	-	-	-	-	6·7
Lympne	bm	bbcbm	bm	bmx	42	28	12	-	Trace	-	-	7·3
Scilly (St. Mary's) ...	cbcp	bcco	bc	cb	51	44	•	0·2	Trace	12.30	<2100	3·9
Falmouth (Pendennis)	cpr	bc	b	bbc	47	38	•	4	-	13.30	-	4·5
Plymouth (Cattewater)	bcom	cbc	bx	bx	46	32	18	0·3	-	<0800	-	1·8
Portland Bill	bbc	c	b-bc	b-bc	47	39	•	-	-	-	-	•
Southampton (Calshot)	bm	mbcbz	bm	bmx	45	34	25	-	-	-	-	8·2
Dungeness	bsmd	b-bc	b-bc	b-bc	43	26	•	-	-	-	-	•
Guernsey	cbcc	corr	orrcb	bx	47	44	•	2	1	13.30	<2100	•



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	7th 10.00	"Hibernia"	NW	2	b	43	50	8
3	8th 02.00	"Arundel"	N	2	bc	48	54	7

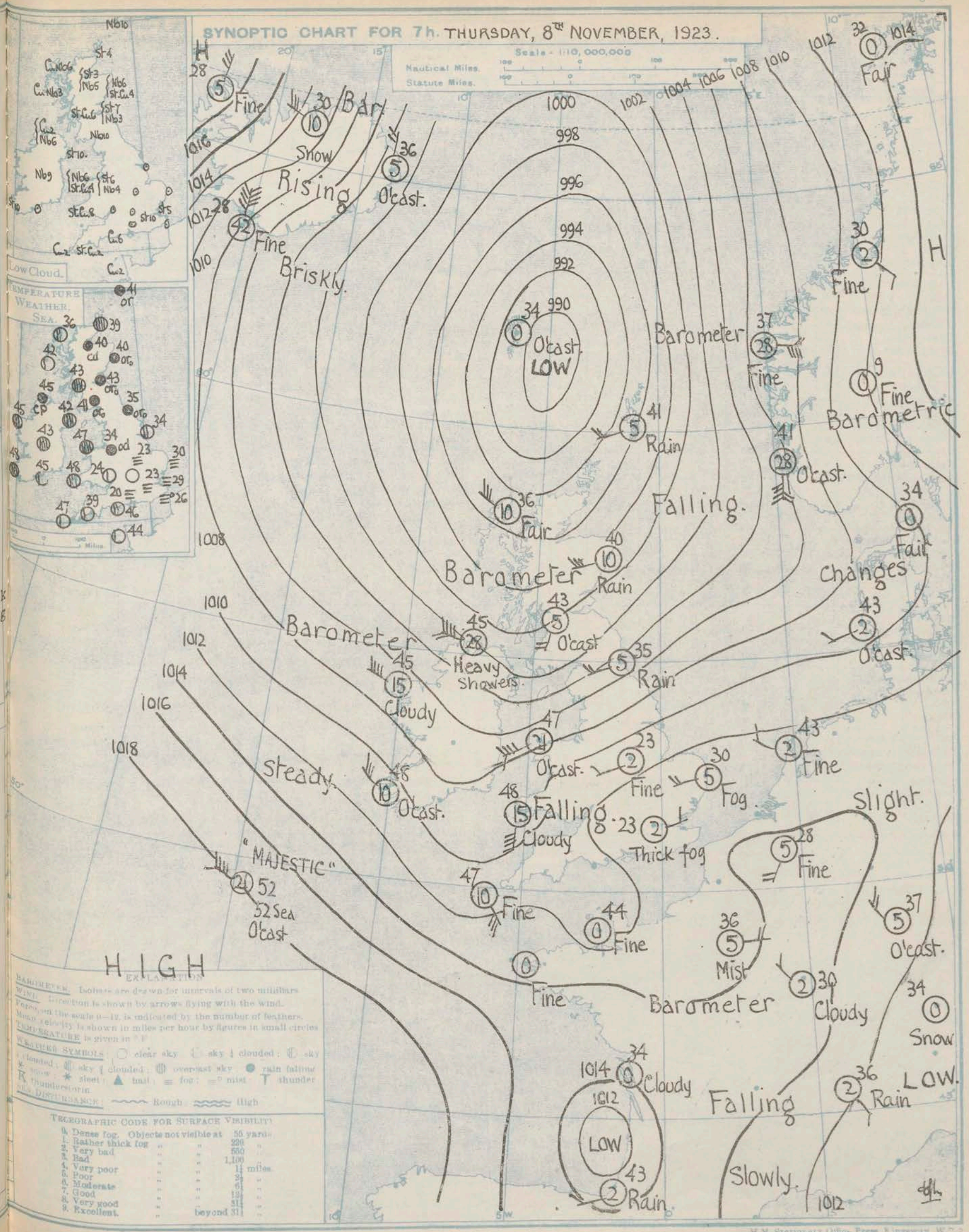
General Inference.

The depression centred near the Faeroes will probably move southeast, cold northerly winds spreading to all districts in the course of the next day or two. Showers of rain or sleet may be expected today except in the extreme South, and there is a risk of sleet or snow showers occurring in all districts tomorrow, with bright intervals.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 8th November, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind SW, light to moderate, veering towards NW, and tending to increase later; fair at first, a risk of sleet showers later; mist at night; cold, frost at night.	None issued. ---
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Wind W. to NW, moderate to fresh; occasional rain or sleet showers, bright intervals; visibility moderate to good during the day, but mist locally at night; cold, slight frost locally at night.	
8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind NW to N, strong at times; sleet or snow showers, bright intervals; visibility moderate to good; frost locally at night.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind NW to N, strong at times; rain or sleet showers; bright intervals; visibility moderate to good; cold, slight frost locally at night.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0930 GMT. G. C. Simpson, F.R.S., Director.

† For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Thursday 8th November 1923. No. 312

Observations at 0100 G.M.T. 8

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.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1001·1	-4	S'E	3	ors	41	97	6	4000	Nb	10	-	10
Stornoway	51	998·7	-4	W	54 Rdo	•	4	•	•	•	•	•	•	•
Wick	81	998·0	-7	SSW	6	o/r	42	92	8	1500	Sr	3	ASr	10
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1003·6	-2	SW	4	ors	40	97	8	4000	Nb	5	ASr	9
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1006·0	-4	SSW	3	bc-	41	92	8	•	-	0	CiSr	4
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1008·3	-2	W	1	b/f	34	85	6	-	-	0	-	0
Blacksod Point ...	10	1007·5	0	W	3	0	46	92	7	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1010·4	-2	S'W	5	b	47	75	9	2500	Cu	1	-	1
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1013·3	0	W	2	b	35	92	6	-	-	0	-	0
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1014·7	-1	SW'W	2	b	28	92	7	-	-	0	-	0
Gorleston	13	1014·9	0	W'S	2	b	32	75	6	-	-	0	-	0
Valencia (Cahirciveen)	30	1010·7	+3	-	0	0	48	92	8	-	Sr	9	-	9
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1011·2	-2	S	2	bc	43	85	8	2500	SrCu	5	-	5
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	239	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	18	•	•	•	•	•	28	•	•	•	•	•	•	•
Croydon	244	1015·4	-1	SSW	3	b	29	92	6	-	-	0	-	0
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1014·9	-1	N	2	b	30	85	5	-	-	0	-	0
Scilly (St. Mary's) ...	131	1012·2	-2	S'E	3	C+	48	85	7	4000	SrCu	7	-	7
Falmouth (Pendennis)	200	1012·8	-2	-	0	b	38	97	8	-	-	0	-	0
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1014·1	-2	E	3	b	45	65	7	-	-	0	-	0
Southampton (Calshot)	12	1014·8	-1	NE	2	mb	36	85	6	-	-	0	-	0
Dungeness	21	1014·7	0	N	2	b	30	97	7	-	-	0	-	0
Guernsey														

Observations at 0700 G.M.T. 8

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	995·5	-5	SW	2	orr	41	97	5	4000	Nb	10	-	10	1
Stornoway	995·2	-2	NW	3	bc	36	92	7	4000	CuNb	6	-	6	1
Wick	995·2	-4	W	2	o/r	39	92	8	1500	Sr	4	ASr	10	0
Castlebay	999·0	-2	W	5	b/r	42	85	8	1500	CuNb	3	-	3	4
Nairn	996·7	•	W	1	cd	40	85	8	1500	Nb	8	-	8	•
Aberdeen	998·0	-6	SW	3	ors	40	92	7	1500	Nb	10	-	10	0
Malin Head	1002·0	-2	WNW	6	cPR	45	85	8	4000	Nb	8	-	8	4
Renfrew	1000·6	-4	SSW	2	o/r	43	85	6	1500	StCu	6	ASr	9	•
Edinburgh (Inchkeith)	998·5	-5	SW	4	ors	43	97	8	•	Sr	10	-	10	1
Leuchars	998·6	-4	SW	4	o	42	85	7	2500	Sr	8 ~~10~~	ASC	10	•
Eskdalemuir	1001·6	-5	SW	5	orrs	41	97	6	800	Nb	10	-	10	•
Tynemouth	1004·8	-5	SW	2	ors	35	85	5	800	Nb	10	-	10	2
Blacksod Point ...	1007·5	0	NW'W	4	C	45	75	7	•	•	•	•	8	5
Donaghadee	1004·4	-3	-	0	o+	42	97	8	1500	Sr	10	-	10	1
Birr Castle	1007·9	•	SW	1	o-	43	97	5	1500	Nb	9	-	9	•
Holyhead	1005·4	-5	SW'W	5	o/r	47	97	8	1500	Nb	10	-	10	4
Liverpool (Bidston) ...	1006·7	-3	SSE	3	od-	34	85	8	1500	Sr	10	-	10	3
Chester (Shotwick) ...	1008·1	-5	SE	3	orsrs	33	92	6	2500	Nb	10	-	10	•
Spurn Head	1009·6	-3	SSW	4	bc+	34	92	6	-	-	0	CiCu	4	4
Birmingham (Edgbaston)	1010·9	-3	SW	3	bc+	30	85	6	2500	StCu	4	-	4	•
Nottingham	1010·2	-3	WSW	1	ffb	23	97	1	-	-	0	Ci	2	•
Cranwell	1011·1	-4	SW'S	3	b+	31	92	6	4000	Sr	1	CiSr	2	•
Gorleston	1013·3	0	WSW	2	mmb	30	85	4	-	-	0	-	0	0
Valencia (Cahirciveen)	1010·7	0	NW'N	3	o	48	85	7	1500	Sr	10	-	10	3
Roches Point	1009·3	0	WNW	1	b-	45	97	8	-	-	0	ACu	3	3
Pembroke (St. Ann's H.)	1009·8	-3	S	4	c	48	85	7	4000	StCu	8	-	8	4
Ross-on-Wye	1011·1	-3	SSW	1	b+	24	92	6	-	-	0	ASr	1	•
Leafield	1013·2	-7	SW	1	b	26	92	8	-	-	0	-	0	
Andover	1012·4	-2	-	0	b	20	97	7	-	-	0	-	0	•
S. Farnborough ...	1013·0	-2	-	0	b	20	97	3	-	-	0	-	0	•
London (Kew Obsy.) ...	1012·6	-1	ENE	1	ffo	23	92	0	4150	Sr	10	-	10	•
Croydon	1013·1	-3	S'W	3	b	27	85	6	-	-	0	-	0	
Clacton-on-Sea ...	1013·0	0	W	1	bc	29	92	5	1500	Sr	5	-	5	0
Shoeburyness	1012·6	-2	-	0	ffb	20	85	1	-	-	0	-	0	•
Grain	1013·2	-2	-	0	fo+	26	97	0	4150	Sr	10	-	10	0
Lympne	1013·2	-1	-	0	b	30	85	5	4000	CuNb	2	-	2	•
Scilly (St. Mary's) ...	1010·3	-1	S'E	3	b+	47	92	8	4000	Cu	2	-	2	3
Falmouth (Pendennis)	1010·4	-1	~~SW~~ SE	1	b+	39	92	8	5700	StCu	2	-	2	0
Plymouth (Cattewater)	1011·3	-2	NE	2	b	33	97	7	-	-	0	-	0	0
Portland Bill	1010·6	-4	ESE	2	bc+	46	65	7	4000	Cu	6	-	6	1
Southampton (Calshot)	1011·8	-4	E	3	b	36	85	6	-	-	0	-	0	0
Dungeness	1013·0	0	N	2	mb	26	97	5	-	-	0	-	0	3
Guernsey	1011·8	-2	-	0	b	44	85	9	5700	Cu	2	-	2	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 7

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 6-7 °F.	Temperature. Max. Day. 7 °F.	Rainfall.† Night 17h.-9h. 6-7 mm.	Rainfall.† Day 9h.-17h. 7 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 7 hr.
Montrose	bbc	bcc	34	43	-	-		7·0
Berwick-on-Tweed	3xbcb	bbm	32	40	-	-		7·5
Llandudno	cbccb	bcb	36	47	4	-		4·2
Colwyn Bay	hrc	bc	35	45	6	-		5·7
Rhyl	cbcc	bc	37	50	1	-		2·4
Southport	xb3bc	by63	29	43	-	-		6·2
Blackpool	bc	bbc	31	46	-	-		7·9
Ilkley	xbcb	b	24	44	-	-		6·2
Harrogate	b	b	26	41	-	-		7·4
Skegness	xmcbc	b	28	43	0.4	Trace		5·7
Aberystwyth ...	rcc	b	33	46	1	-		8·0
Bath	mb	bbcm	29	45	Trace	-		5·4
Leamington Spa ...	b3bc	bcm	24	42	-	-		5·0
Lowestoft	fb	b	33	42	2	-		6·0
Felixstowe	bm	bcm	32	42	-	-		7·8
Southend	xmb	bbm	29	45	-	-		6·7

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 6-7 °F.	Temperature. Max. Day. 7 °F.	Rainfall.† Night 17h.-9h. 6-7 mm.	Rainfall.† Day 9h.-17h. 7 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 7 hr.
Ilfracombe	bcc	bcb3	40	49	-	-		3·3
Bude	bbcc	bcc	40	45	1	-		2·2
Torquay	b	b	33	49	1	-		3·2
Weymouth	obc	bbcm	32	48	-	-		6·2
Bournemouth ...	b	b	31	47	-	-		8·5
Portsmouth (S'thsea)	b	b	32	44	-	-		8·1
Littlehampton ...	cm	bcm	29	44	-	-		8·5
Worthing	bbc	b	31	44	-	-		8·3
Brighton	mb	bm	32	44	-	-		6·9
Eastbourne	b	b	33	45	-	-		8·5
Hastings	b	bbcm	31	44	0·1	-		8·0
Folkestone	xb	bbcf	33	44	-	-		5·6
Dover	bmb	bbcmf	35	43	-	-		6·4
Tunbridge Wells ...	b	b	29	44	-	-		7·4
Ramsgate	b	bbcb	35	43	-	-		7·1
Margate	b	bcb	37	43	-	-		7·6
Deal	mb	b	33	42	-	-		6·5

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22,632. Friday, 9th November 1923.

Observations at 1300 G.M.T. 8th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	995·5	0	S	1	ogo	42	97	7	4000	Nb	10	-	10	•
Stornoway	994·1	-1	NW	3	bcp̄	37	97	7	4000	CuNb	6	-	6	•
Wick	994·1	-1	WSW	3	bc	41	85	8	2500	CuNb	5	-	5	•
Castlebay	996·8	-2	W	5	bc/h	44	85	8	2500	CuNb	6	-	6	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	996·1	-2	W	2	b-	43	75	8	2500	CuNb	1	-	1	1
Malin Head	1000·4	-2	WNW	6	cpR	44	85	8	5700	CuNb	5	ACu	7	•
Renfrew	998·7	-2	W	3	c/r	41	85	7	2500	CuNb	7	-	7	2
Edinburgh (Inchkeith)	997·1	-2	WSW	4	bc/r	42	85	7	•	Cu	6	ASt	6	•
Leuchars	996·2	-2	W	3	b-	44	65	8	4000	Cu	1	-	1	0
Eskdalemuir	999·4	-2	W'S	3	c-	40	85	7	2500	StCu	8	-	8	1
Tynemouth	1000·1	-3	SW	2	or	40	85	4	1500	Nb	9	-	9	•
Blacksod Point	1005·6	-1	NW'W	4	c	45	75	8	•	•	•	•	7	•
Donaghadee	1002·7	-1	WNW	2	bc-	43	85	8	800	St	6	-	6	•
Birr Castle	1004·3	*	W	2	o	46	83	7	4000	Nb	9	-	9	•
Holyhead	1003·1	-3	W	6	o	48	75	8	2500	StCu	9	-	9	1
Liverpool (Bidston)	1002·1	-5	SW'W	3	o/r	44	92	8	1500	Nb	10	-	10	•
Chester (Shotwick)	1003·0	-5	W	3	orr	45	85	5	2500	Nb	10	-	10	2
Spurn Head	1004·6	-5	S'W	5	or	38	85	6	-	-	0	ASt	10	•
Birmingham (Edgbaston)	1005·0	-7	SSW	5	opr₀	40	85	6	2500	Nb	10	-	10	1
Nottingham	1004·8	-5	SW	3	orr	38	85	6	1500	St	10	-	10	•
Cranwell	1006·0	-7	SSW	~~x~~ 5	o	40	85	7	4000	St	6	ASt	10	0
Gorleston	1008·4	-4	SW'S	3	mbc+	42	75	5	-	-	0	ACu	5	•
Valencia (Cahirciveen)	1007·8	-5	NW'W	3	o	48	75	8	2500	St	6	ASt	10	2
Roches Point	1006·6	-4	NW	4	o	47	85	8	2500	CuNb	6	CiSt	10	•
Pembroke (St. Ann's H.)	1006·3	-4	WSW	4	bcjp	48	85	8	2500	Nb	6	-	6	•
Ross-on-Wye	1005·5	-7	SW'S	4	c	47	65	8	-	-	0	ACu	7	1
Leafield	1007·1	-7	S	4	o+	42	75	8	7200	StCu	5	ACu	9	*
Andover	1008·1	-4	S	3	c+	45	75	6	-	-	0	ACu	8	0
S. Farnborough	1008·7	-4	S'E	3	bc+	46	65	6	2500	Cu	3	Ci	5	1
London (Kew Obsy.)	1008·3	-7	S	2	b/f	42	75	4	-	-	0	-	0	1
Croydon	1009·0	-5	SSW	3	b	46	65	6	-	-	0	-	0	1
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1009·0	-6	SW	3	b/f	46	55	8	-	-	0	ASt	1	•
Grain	1009·1	-4	SSW	3	b	47	55	8	-	-	0	ACu	1	6
Lympne	1009·2	-5	S	3	c	46	65	7	4000	StCu	7	-	7	2
Scilly (St. Mary's)	1008·2	-2	SW'S	4	or	50	97	6	4000	Nb	6	ASt	10	•
Falmouth (Pendennis)	1007·3	-4	SW	4	c+	50	75	8	5700	StCu	7	-	7	•
Plymouth (Cattewater)	1008·1	-6	SSW	3	on	49	75	9	4000	StCu	10	-	10	1
Portland Bill	1009·1	-4	ESE	2	bc-	49	55	7	4000	Cu	5	-	5	•
Southampton (Calshot)	1008·7	-5	SW'S	4	c+	50	55	8	4000	Cu	3	ACu	8	0
Dungeness	1009·4	-4	WSW	3	bc+	45	75	8	7200	Cu	6	-	6	•
Guernsey	1009·7	-3	S	2	bcv	50	75	9	4000	Cu	4	-	4	•

Observations at 1800 G.M.T. 8th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	997·6	+4	S	1	ogo	41	97	5	4000	Nb	10	–	10	0
Stornoway	993·9	0	–	0	b-	36	97	7	4000	Cu	3	–	3	0
Wick	994·4	+1	W	1	b	31	97	8	2500	CuNb	2	–	2	0
Castlebay	996·4	-2	NW	3	~~CPH~~ op	41	92	7	1500	Nb	10	–	10	4
Nairn	994·9	•	–	0	bc	34	85	8	1500	St	4	–	4	•
Aberdeen	996·2	+1	W	2	b	35	85	6	4000	StCu	1	–	1	0
Malin Head	999·4	-1	NW	6	CPH	42	97	8	4000	CuNb	7	–	7	6
Renfrew	997·9	-1	W	1	b-	35	92	6	–	–	0	–	0	•
Edinburgh (Inchkeith)	996·2	0	WSW	3	b	39	92	7	•	–	0	ACu	2	1
Leuchars	995·9	0	SW	2	b	35	92	8	–	–	0	ACu	3	•
Eskdalemuir	998·9	-0	SW	3	c/r	36	97	7	2500	StCu	7	–	7	•
Tynemouth	999·0	0	W	1	b-	38	85	6	1500	St	2	–	2	2
Blacksod Point	1005·4	-0	NNW	5	o	43	85	7	•	•	•	•	10	5
Donaghadee	1001·8	0	W	3	bc-	40	85	8	800	St	4	–	4	3
Birr Castle	1004·5	•	W	1	bc-	40	92	6	4000	Cu	5	–	5	•
Holyhead	1001·9	+0	NW	4	bc-	45	75	8	2500	StCu	5	–	5	4
Liverpool (Bidston)	1001·0	-0	WSW	2	orr	40	97	6	1500	St	10	–	10	3
Chester (Shotwick)	1001·9	-1	W	4	ogo	41	92	6	1500	Nb	10	--	10	
Spurn Head	1001·5	-2	S	5	orr	39	97	6	4000	Nb	10	–	10	4
Birmingham (Edgbaston)	1002·1	-1	SW	3	o	40	92	6	2500	CuNb	9	–	9	•
Nottingham	1001·7	-3	SW	2	ogo	40	97	6	1500	St	10	–	10	•
Cranwell	1002·9	-2	SW'S	3	orr	39	97	6	1500	St	10	–	10	•
Gorleston	1006·2	-2	S'W	4	b-	40	75	7	–	–	0	ASt	3	1
Valencia (Cahirciveen)	1007·0	+0	N	4	b-	46	75	8	2500	StCu	2	ACu	3	4
Roches Point	1005·5	-1	WNW	3	o-	45	92	8	4000	StCu	9	–	9	0
Pembroke (St. Ann's H.)	1004·4	-2	WSW	3	c	47	75	8	4000	StCu	8	–	8	4
Ross-on-Wye	1002·8	-3	SW	3	o	43	92	7	2500	Nb	4	ASt	10	•
Leafield	1002·6	-5	SW	3	ogo	41	92	8	2500	St	10	–	10	•
Andover	1004·2	-3	S	2	c+	41	85	7	4000	StCu	7	–	7	•
S. Farnborough	1004·6	-4	S	2	mmo	42	75	6	2500	StCu	10	–	10	•
London (Kew Obsy.)	1004·8	-3	S'E	2	b-	41	85	5	4000	StCu	1	ACu	3	•
Croydon	1005·3	-4	SSE	2	bc-	40	85	6	2500	StCu	~~10~~ 4	–	~~10~~ 4	•
Clacton-on-Sea	1006·0	-3	S	4	c+	44	75	7	7200	StCu	7	–	7	1
Shoeburyness	1005·7	-3	SSW	3	c+	41	85	7	4000	StCu	8	–	8	•
Grain	1005·8	-2	S'E	3	bc	41	85	6	4000	StCu	5	–	5	0
Lympne	1006·5	-2	S'W	3	c	41	75	7	4000	StCu	7	ACu	8	•
Scilly (St. Mary's)	1006·1	-3	WNW	4	opr₀	48	92	8	4000	CuNb	10	–	10	4
Falmouth (Pendennis)	1004·2	-3	N	2	c/r	47	92	7	4000	StCu	8	–	8	0
Plymouth (Cattewater)	1003·4	-4	W'S	3	ojp	49	97	8	800	St	10	–	10	0
Portland Bill	1005·4	-2	SW	4	bc	50	65	7	4000	Cu	4	–	4	1
Southampton (Calshot)	1005·1	-3	WSW	4	b-	46	75	8	2500	StCu	2	–	2	~~4~~ 0
Dungeness	1006·1	-3	SW	4	c-	46	75	8	5700	StCu	7	–	7	4
Guernsey	1006·9	-2	SSW	2	b	46	85	8	4000	Cu	3	–	3	0

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning (24 hours ended 0900 G.M.T. 9th)	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew	16	ofxbm	bmczb	bmom	•	•	29	Tr	9	2·7	•	•
Croydon (24 hours ended 0700)	244	bbcxz	bcaz	bcamr	•	•	23	-	13	7·2	•	•
Greenwich (Royal Obsy.)	149	fb	bbcc	corbm	47	28	27	-	14	6·7	63	98
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	2·6	•	•
Westminster (St. James' Pk.)	27	•	•	•	47	27	25	Tr	[illegible]	3·9	64	90
Regent's Pk. (Botanic Gdns).	—	•	•	•	•	•	•	•	•	3·1	•	•
Camden Square	110	fsbc	bc	•	46	29	28	-	11	•	•	93
Kensington Palace	80	bc	c	•	47	34	28	-	10	•	{At 18h 73}	89
Hampstead Observatory	450	•	•	•	45	32	22	0·5	11	3·9	•	96

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 8th

South Kensington Max.	Time.	Min.	Time.
–	–	–	–
–	–		

Kew Observatory Max.	Time.	Min.	Time.
1·1	7th 21·00	0·3	7th 16·00
1·3	8th 10·00		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 8th 17 h 30 m. to 9th 06 h 00 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	12.30	01·25	11
δ Ursae Minoris	12·30	01·05	9

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.‡

Time.	Type.	No. per 1 sec.	Intens.	Direc.
13h.	-	-	-	-
18h.	–	–	–	–
01h.	–	–	–	–
07h.	–	–	–	–

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

9th – 10th November, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·4 7·6	11·37 11·37	4·10 4·8
Greenwich	7·9 7·11	11·44 11·44	4·19 4·17
Wick	7·49 7·51	11·56 11·56	4·3 4·1
Valencia	7·51 7·53	12·25 12·25	4·59 4·57

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.
<= { less than (for cloud height). before (for precipitation).
⊕ = 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; – = "decreasing"; + = "increasing."

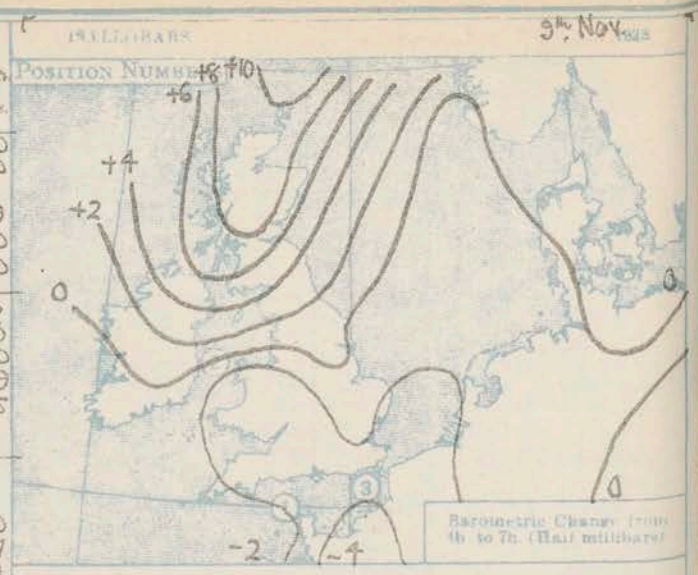
The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

SEA DISTURBANCE.
0=no swell }
1=mod. swell } Calm or slight sea.
2=heavy swell }
3=no swell }
4=mod. swell } Moderate sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-13h. 8th.	Weather. 13h.-18h. 8th.	Weather. 18h. 8th. to 1h. 9th.	Weather. 1h.-7h. 9th.	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass	Rainfall.† Day. 7h.-18h. mm.	Rainfall.† Night. 18h.-7h. mm.	Rainfall.† Precipitation began.	Rainfall.† Precipitation began.	Sun 8th. Hours.
Lerwick	omr	omr	omrq	cmq	43	39	•	6	2	<0800	<2100	0·0
Stornoway	p	p	b-bc	oo	42	33	•	2	1	–	•	3·0
Wick	b-bc	b-bc	b-bc	b-bc	42	27	•	–	–	–	–	•
Castlebay	bchpc	cbchp	ohcbc	b h-h	45	38	•	3	2	–	–	3·9
Nairn	cbc	bccp	bcxc	pro	40	28	•	0·5	0·2	15.30	05·30	2·0
Aberdeen	omcb	bbrn	b	cois.	43	30	23	0·3	0·1	<0800	03·30	3·0
Malin Head	cPr	cPHR	phrR	bcPR	47	39	•	1	3	<0800	<2100	3·3
Renfrew	orm	orcbc	bmxc	orRc	44	31	23	3	2	<0800	2400	2·3
Edinburgh (Inchkeith)	ir.	cb	bz	b	45	36	25	0·4	Trace	<0800	–	4·0
Leuchars	owcbcb	b-bc	bbx	bxbco	45	23	6	Trace	Trace	<0800	–	4·9
Eskdalemuir	orirsc	opbcp	cbcp	bccox	41	28	27	2	–	<0800	–	2·5
Tynemouth	irm	om	bif	bff	41	32	26	1	–	<0800	–	•
Blacksod Point	p	p	p	p	46	39	•	3	3	–	–	•
Donaghadee	cp	bcp	bcp	ogr	46	36	•	0·3	6	0900	01·30	•
Birr Castle	prco	copr.	combr	cd	46	37	31	0·5	0·2	<0800	–	2·0
Holyhead	oRo	Rir.	bcco	RoR	43	39	37	2	8	<0800	02·30	0·7
Liverpool (Bidston)	r-d	r-d		orm	46	36	32	9	4	<0800	22·00	0·9
Chester (Shotwick)	oprsrm	oprmcc	orrprm	oprmdm	46	35	32	3	.5	<0800	21·00	0·1
Spurn Head	c	gsorsor	orob	bcofcfo	39	32	•	6	1	13.30	<2100	1·5
Birmingham (Edgbaston)	omr	orm	oRpb	bbc	40	31	24	2	2	12.30	<2100	0·1
Nottingham	emr	rr	r.dm	f-m x	40	28	26	9	0·2	11.00	<2100	0·0
Cranwell	bccco	ossrr	omr-d	bbcF	40	29	24	12	2	13.30	<2100	0·8
Gorleston	bcm	cgdsbcm	orr	orr	44	35	34	-	21	-	<2100	6·5
Valencia (Cahirciveen)	opo	opcb	orp	bcopq	48	43	38	2	1	0900	<2100	0·0
Roches Point	copo	oro	cb	bcb	48	39	•	0·4	–	12.30	–	
Pembroke (St. Ann's H.)	cp	c	c	ccqp	50	42	•	4	1	<0800	05·30	0·9
Ross-on-Wye	cobcc	r-d	copo	cbxco	47	32	22	1	0·2	1430	<2100	2·4
Leafield	xbbcc	cor	rcbc	cxbc	45	28	19	1	2	16.30	<2100	3·1
Andover	bxbccm	cmc	corr	ocbxm	48	28	22	–	9	–	<2100	5·2
S. Farnborough	bfxbcm	bccomm	omrr	offc	47	32	28	–	7	–	<2100	4·6
London (Kew Obsy.)	ofxbm	bmczbm	bmomR	orbmx	46	34	29	Trace	9	–	<2100	2·7
Croydon	bbxz	bcoz	bcomm	orrbm	47	34	29	–	13	–	<2100	7·2
Clacton-on-Sea	bc	bcc	og	ogrr	47	33	32	–	20	–	<2100	7·6
Shoeburyness	f-m	bbc	corr	ofx	47	31	29	–	20	–	2200	6·1
Grain	mb	bbc	bccor	oRS	47	32	32	Trace	20	–	2400	7·1
Lympne	bcam	c	cor.	oRsm	45	33	32	–	9	–	2400	4·3
Scilly (St. Mary's)	bomr	opr	cbq	cqp	52	45	•	2	2	<0800	<2100	1·7
Falmouth (Pendennis)	bccc	cocor	cpco	cobcp	52	43	•	1	Trace	14·30	2400	3·9
Plymouth (Cattewater)	bxmmcv	oYor	orrc-b	crox	51	39	24	3	2	15·30	<2100	4·3
Portland Bill	c	c	r-d	b-bc	52	42	•	–	5	–	<2100	6·3
Southampton (Calshot)	bmbc	c	or	orcbcp	51	34	30	–	5	–	2200	
Dungeness	cm	c	cq	oqrr	46	35	•	–	1	–	0230	•
Guernsey	bbcb	bbcb	bbcrro	c	51	44	•	–	3	–	<2100	•



Observations from Cross Channel Steamers

Position	Date and Time	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	8th. 1010	"Hibernia"	W	5	bc	48	53	8
1	8th. 1300	"Raindeer"	W	4	bcv	55	56	8
3	9th. 0200	"Dispbc"	SSW	5	ors+	45	50	7

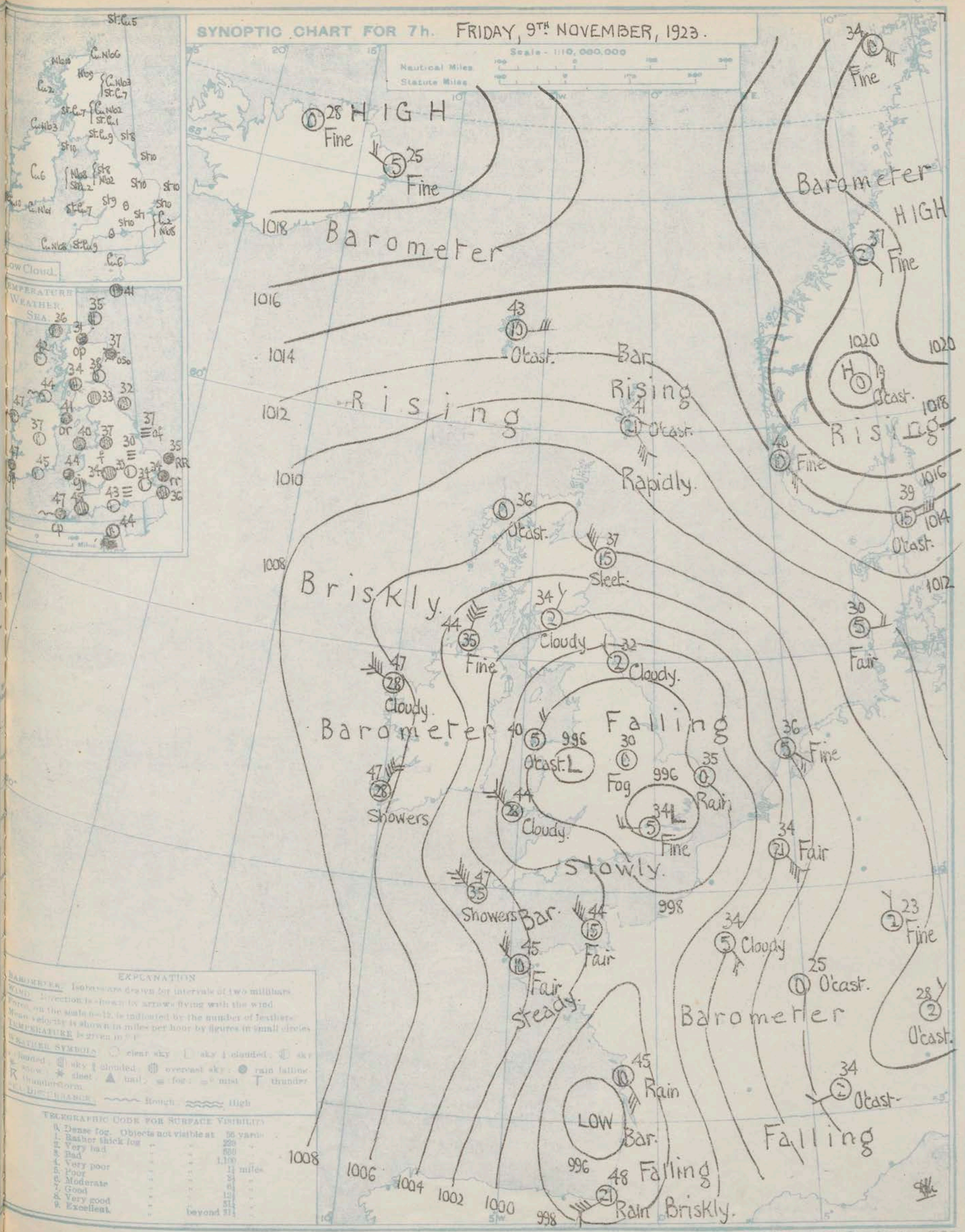
General Inference.

The depression over the British Isles is likely to move southwards to France and in its rear a ridge of high pressure will probably form, and extend from Scandinavia to the Azores. Winds will be mainly from North and Northeast today, strong to a gale on the West Coast of England, becoming light and indefinite later in Scotland. Showers of rain or sleet will occur in most districts today with bright intervals, finer weather subsequently spreading down from Scotland with frost at night and fog later inland.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 9th November, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind light and indefinite, becoming northeasterly and freshening later; occasional rain or sleet, bright intervals; mist or fog at night; cold, frost at night.	Continuing cold.
4. W. Midlands	Freshening northerly winds; some showers of rain or sleet, bright intervals; mist or fog at night; cold, frost at night.	
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Fresh to strong northerly winds, a gale at times in exposed places; rain or sleet showers with bright intervals; visibility good; cold, frost locally at night.	North Cone hoisted 0820 G.M.T. today.
10. N.E. England 11. E. Scotland 12. S.W. Scotland	Wind north to northeast., fresh at times, becoming light later; occasional showers of sleet or snow at first, improving; mist or fog at night; cold, sharp frost inland at night.	
13. Isle of Man	As 5 - 9.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind light and indefinite; cloudy to fair; cold, frost locally at night.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Fresh to strong northerly winds, moderating later; occasional rain or sleet showers, improving; mist at night; cold, frost at night.	

EWN

† For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION..Friday,..9th..November.....1923. No. 313.

Stations.	Height above M.S.L. in feet.	Observations at 0100 G.M.T. 9th: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Observations at 0700 G.M.T. 9th: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	54	1003·2	+6	SE	6	b/p	45	85	6	4000	Nb	8	ASr	10	1009·8	+10	SE	5	0+	46	85	6	5700	StCu	5	ASr	9	4
Stornoway	51	1000·0	+5	NW	3	bc-	*	*	6	*	*	*	*	*	1006·5	+8	-	0	0	36	92	7	1500	Nb	10	-	10	0
Wick	81	999·4	+3	WNW	1	b	50	97	8	5700	StCu	3	-	3	1006·1	+8	NW	1	bc+	35	85	8	2500	CuNb	6	-	6	0
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*	1006·6	+5	NNW	4	b	42	75	8	4000	Cu	2	-	2	3
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*	1006·7	*	-	0	0PR	31	92	7	2500	Nb	9	-	9	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*	1004·9	+7	NNW	4	0So	37	97	7	1500	StCu	10	-	10	0
Malin Head	71	997·6	+5	N	8	b/r	44	85	8	4000	Nb	3	-	3	1003·7	+6	N	7	b/r	44	85	9	5700	CuNb	3	-	3	7
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*	1002·8	+7	NE	1	c	34	85	7	2500	StCu	7	-	7	*
Edinburgh (Inchkeith)	190	996·6	+1	S	1	b	36	92	7	*	-	0	-	0	1001·1	+4	NE	4	b+	38	92	8	*	CuNb	3	-	3	2
Leuchars	30	*	*	*	*	*	*	*	*	*	*	*	*	*	1001·6	+6	NNE	2	0pg	37	85	7	1500	Nb	10	-	10	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	1001·1	+5	N'E	4	0+	33	85	7	800	StCu	9	-	9	*
Tynemouth	118	998·4	-1	W	1	b/f	34	85	6	-	-	0	-	0	999·4	+2	N'W	1	c/f	32	97	6	1500	St	8	-	8	0
Blacksod Point ...	10	1004·8	-1	NW	5	0	47	75	3	*	*	*	*	10	1006·3	+1	NW	6	c	47	75	7	*	*	*	*	7	6
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*	1000·2	+5	NNW	5	0R-	41	85	8	1500	St	10	-	10	4
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*	1004·8	*	NW	2	bc+	37	92	6	2500	Cu	6	-	6	*
Holyhead	26	999·4	-2	W	5	0	45	85	7	800	St	10	-	10	998·5	-3	NNE	2	0r	40	85	7	800	Nb	10	-	10	4
Liverpool (Bidston) ...	189	*	*	*	*	*	*	*	*	*	*	*	*	*	996·4	0	E'S	2	ffo	37	97	2	800	St	10	-	10	2
Chester (Shotwick) ...	16	*	*	*	*	*	*	*	*	*	*	998·5	*	994·5	996·1	-2	E	3	bd	35	97	6	2500	Nb	10	-	10	*
Spurn Head	26	998·8	-3	SW'W	1	b	38	97	6	-	-	0	-	0	997·1	-1	-	0	fo-	37	97	2	4150	St	10	-	10	2
Birmingham (Edgbaston)	525	*	*	*	*	*	*	*	*	*	*	*	*	*	997·5	-2	SSW	2	mc-	32	97	5	2500	StCu	8	-	8	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*	997·4	-1	-	0	Fo+	30	97	0	<150	St	10	-	10	*
Cranwell	237	999·9	-2	-	0	fb+	33	97	1	-	-	0	-	0	998·2	0	-	0	fc+	29	97	1	225	St	4	ACu	8	*
Gorleston	13	1001·1	-2	SW'S	1	brr	40	92	7	4000	Nb	10	-	10	998·8	-2	-	0	bRR	35	97	5	2500	Nb	10	-	10	1
Valencia (Cahirciveen)	30	1000·0	+1	NW	3	0R	46	65	8	-	St	10	-	10	1007·1	-1	NNE	6	0pg	47	75	7	1500	StCu	10	-	10	4
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*	1004·2	0	NNW	5	b	45	92	8	2500	CuN	1	CCu	3	3
Pembroke (St. Ann's H.)	149	1003·4	-2	NW'W	4	bc	44	75	8	4000	StCu	6	-	6	999·2	-5	NW	6	c/p	41	75	8	2500	StCu	7	-	7	4
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	997·0	-4	SW	1	0+	34	85	7	2500	St	9	ASr	10	*
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*	997·7	-2	WNW	2	b	30	97	6	-	-	0	ASr	3	*
Andover	295	*	*	*	*	*	*	*	*	*	*	*	*	*	998·1	-1	W'N	3	b/r	29	97	6	4000	StCu	2	-	2	*
S. Farnborough ...	230	*	*	*	*	*	*	*	*	*	*	*	*	*	998·0	-2	WNW	1	ff0	33	97	1	<150	St	10	-	10	*
London (Kew Obsy.) ...	18	*	*	*	*	*	40	*	*	*	*	*	*	*	997·3	-1	W	2	b+	34	92	5	2500	St	1	-	1	*
Croydon	244	1000·1	-4	SE'S	1	orr	38	97	6	800	Nb	10	-	10	997·8	0	W'N	1	b-	34	97	5	1500	St	3	-	3	*
Clacton-on-Sea ...	54	*	*	*	*	*	*	*	*	*	*	*	*	*	995·8	-3	NNW	3	orr	34	97	5	800	St	10	-	10	0
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	996·1	-5	-	0	0So	33	85	5	450	St	10	-	10	*
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*	996·5	-4	W	3	0r	34	97	6	1500	Nb	10	-	10	0
Lympne	350	999·1	-6	S'W	5	or	44	85	7	1500	Nb	9	-	9	996·6	0	NW	3	0So	33	97	3	450	Nb	10	-	10	*
Scilly (St. Mary's) ...	131	1004·1	-1	N	6	bc+	46	85	8	4000	CuNb	6	-	6	1003·6	-1	NW	7	cpg	47	85	8	4000	CuNb	8	-	8	6
Falmouth (Pendennis)	206	1002·2	-1	N	4	c-	46	75	8	4000	StCu	8	-	8	1000·6	-2	WNW	4	0+	45	75	7	4000	StCu	9	-	9	0
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*	1000·2	-4	-	0	cp	40	85	5	<150	St	8	-	8	0
Portland Bill	19	999·7	-4	NNW	3	bc/r	45	75	7	4000	CuNb	6	-	6	1000·4	-1	NNW	3	b-	43	75	7	-	-	0	ACu	2	0
Southampton (Calshot)	12	999·1	-4	E'N	3	0r0	41	92	7	800	Nb	10	-	10	997·9	-2	NW'W	3	b-	34	92	6	-	-	0	ASr	1	0
Dungeness	21	999·3	-5	SSW	6	0	47	85	8	4000	Nb	10	-	10	996·8	+1	NNW	3	0/r	36	97	7	4000	Nb	10	-	10	5
Guernsey															1000·0	0	NNW	4	bc	44	85	8	4000	Cu	6	-	6	1

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR.....8th.....

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 7th.-8th. °F.	Temperature. Max. Day. 8th. °F.	Rainfall.† Night 17h.-9h. 8th. mm.	Rainfall.† Day 9h.-17h. 8th. mm.	Sunshine.	Sunshine. Sunrise to Sunset. 8th. hr.
Montrose	0mc	bcc	32	45	0·3	-		3·0
Berwick-on-Tweed	cocz	qcc	31	49	-	0·1		1·7
Llandudno	rac	0r0	34	49	4	1		0·5
Colwyn Bay	v	0q	36	47	2	5		0·0
Rhyl	pc	cbcpc	31	48	2	4		0·9
Southport	rr	rorc	31	46	2	7		0·0
Blackpool	Rc	phc	31	48	4	1		0·5
Ilkley	xomo	p0g0	24	41	·	2		0·0
Harrogate	r	opr	28	38	·	3		0·0
Skegness	bco	or	26	49	-	3		1·4
Aberystwyth ...	ror	b	35	49	-	9		1·5
Bath	mbbcc	bcor	22	48	-	1		2·7
Leamington Spa ...	c	or	19	44	-	2		0·1
Lowestoft	b	bcbbcc	28	44	-	-		6·2
Felixstowe	bf	bo	28	46	-	-		7·3
Southend	xfp	bbc	30	49	-	-		6·8
Ilfracombe	bbcco	or	39	49	-	7		3·6
Bude	wxbbc	cr0	34	51	1	3		3·8
Torquay	xbc	bcc	32	52	-	-		5·4
Weymouth	bc	bco	33	53	-	-		6·3
Bournemouth ...	b	b	27	50	-	-		6·5
Portsmouth (S'thsea)	b	bbco	30	51	-	-		6·1
Littlehampton ...	bcm	bc	28	48	-	-		5·5
Worthing	bbc	bc	25	50	-	-		6·5
Brighton	mbb	bcco	28	49	-	-		7·0
Eastbourne	bbc	cbcco	27	49	-	-		6·3
Hastings	xbfbc	xcobcc	32	49	trace	-		5·7
Folkestone	xbc	c	30	47	-	-		5·7
Dover	fb	bbcc	28	47	-	-		4·7
Tunbridge Wells ...	b	bc	24	47	-	-		6·5
Ramsgate	b	b	29	46	-	-		7·4
Margate	b	bbc	32	47	-	-		7·5
Deal	mbb	bbcc	27	45	-	-		5·5

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22,633. Saturday, 10th November 1923.

Observations at 1300 G.M.T. 9th / Observations at 1800 G.M.T. 9th

STATIONS. (For heights see p.4).	13h Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.¹	Temp. °F.	Humidity %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	18h Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1017.9	+7	SE	2	b	48	85	6	4000	Cu	3	-	3	•	1022.7	+4	-	0	b	42	97	7	4000	Cu	2	-	2	0
Stornoway	1015.4	+9	N	2	b-	46	85	8	•	-	0	-	0	•	1022.0	+9	-	0	bcr	38	97	8	1500	St	4	-	4	0
Wick	1015.6	+8	ESE	3	b	47	75	8	2500	CuNb	2	ACu	3	•	1022.0	+8	SE	2	b	47	75	8	4000	Cu	3	-	3	0
Castlebay	1014.2	+10	NE	4	b	46	75	8	-	-	0	-	0	•	1021.2	+9	-	0	b	45	85	8	-	-	0	-	0	2
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1021.9	•	-	0	b-	34	85	8	4000	StCu	2	-	2	•
Aberdeen	1014.2	+9	~~NEN~~ E	3	bc/r	43	92	6	1500	CuNb	6	•	6	1	1021.5	+10	E	3	b-	45	85	7	1500	Cu	1	-	1	1
Malin Head	1011.0	+5	N	6	bw	44	85	9	5700	Cu	1	-	1	•	1018.2	+10	NE'E	6	b	47	85	3	4000	Cu	2	-	2	6
Renfrew	1010.2	+8	NE	3	odd	41	88	5	1500	Nb	8	ASt	10	2	1019.0	+12	ENE	3	od₀	42	85	~~8~~ 5	1500	StCu	10	-	10	•
Edinburgh (Inchkeith)	1008.4	+6	ESE	4	qr₀	44	83	8	•	CuNb	9	-	9	•	1017.9	+9	ENE	4	cpr₀	45	92	9	•	CuNb	8	-	8	3
Leuchars	1011.0	+12	E	5	bc/r	46	65	8	4000	CuNb	4	ACu	6	1	1018.8	+9	ENE	3	b	44	85	7	4000	StCu	3	-	3	•
Eskdalemuir	1007.2	+7	NE	6	o[illegible]	38	92	6	1500	Nb	10	-	10	2	1016.8	+10	N'E	5	b-	38	85	7	-	-	0	-	0	•
Tynemouth	1005.4	+8	E	6	qr	44	75	7	800	Nb	10	-	10	•	1015.0	+8	E	5	or	43	92	6	800	Nb	10	-	10	7
Blacksod Point	1011.4	+5	NE	5	o	47	85	8	•	•	•	•	10	•	1017.8	+9	NNE	6	c	47	75	7	•	•	•	•	7	6
Donaghadee	1008.5	+5	NE	6	c+	44	85	8	450	StCu	8	-	8	•	1015.3	+11	E'N	6	b-	45	75	8	-	-	0	-	0	6
Birr Castle	1008.1	*	NW	3	c+	43	75	8	4000	StCu	7	-	7	•	1011.9	•	N	4	o+	43	75	5	4000	StCu	9	-	9	•
Holyhead	1008.2	+6	NNE	6	c	45	75	8	4000	Cu	7	-	7	1	1008.3	+7	NE	8	o	46	85	7	1500	StCu	10	-	10	7
Liverpool (Bidston)	1001.8	+4	N	3	bcr	42	75	6	2500	CuNb	6	-	6	•	1006.2	+8	ENE	6	o/r	42	92	5	1500	St	10	-	10	6
Chester (Shotwick)	1001.4	+4	N	3	mmo	42	83	4	1500	StCu	10	-	10	2	1007.7	+9	NNE	6	c/r	40	92	6	1500	St	7	-	7	•
Spurn Head	999.2	-2	E	7	opr₀	45	85	7	1500	Nb	7	ASt	10	•	1008.[illegible]	+9	E	8	o	45	92	7	4000	Nb	10	-	10	6
Birmingham (Edgbaston)	~~[illegible]~~ 998.9	+1	N	3	c+	41	75	5	-	-	0	ACu	8	2	1006.9	+13	E	5	o/s	35	92	4	1500	Nb	10	-	10	•
Nottingham	~~[illegible]~~ 998.2	0	NNE	4	orsrs	35	92	4	1500	Nb	10	-	10	•	1009.2	+19	E	3	b-	35	97	6	-	-	0	-	0	•
Cranwell	998.0	0	NE	4	orr	34	97	5	450	St	10	-	10	7	1009.1	+14	ENE	3	~~[illegible]~~ o	34	97	6	1500	St	10	-	10	•
Gorleston	1000.6	+2	SE'S	6	or-	42	92	6	2500	Nb	10	-	10	•	1008.4	+4	E'S	6	c/r	46	65	7	2500	CuNb	8	-	8	6
Valencia (Cahirciveen)	1010.5	+4	NNE	5	bc-	50	65	8	2500	StCu	5	-	5	1	1014.6	+7	NNE	5	b-	47	65	8	2500	StCu	3	-	3	4
Roches Point	1005.7	+3	NNW	5	b-	45	85	8	5700	Cu	2	-	2	•	1010.0	+5	N	4	b	43	85	8	-	-	0	-	0	3
Pembroke (St. Ann's H.)	999.8	+6	NNE	6	c	41	85	8	2500	StCu	7	-	7	•	1004.1	+5	N	4	cp	43	85	8	2500	CuNb	7	-	7	4
Ross-on-Wye	999.2	+5	NE	3	b-	41	75	6	4000	Cu	3	-	3	1	1004.3	+7	ENE	3	o/r	37	92	5	1500	St	10	-	10	•
Leafield	998.5	+2	N	2	bcr	40	85	8	4000	StCu	4	-	4	*	1005.0	+9	E	3	bcm	37	92	6	2500	St	5	-	5	•
Andover	998.4	0	NE	1	c+	40	92	6	4000	StCu	3	Ci	8	1	1003.5	+9	NE	3	b-	36	92	7	-	-	0	ASt	2	•
S. Farnborough	998.3	+2	NE	2	mmc	41	97	6	800	St	2	Ci	7	1	1003.9	+7	NE	2	fro	37	92	3	450	St	10	-	10	•
London (Kew Obsy.)	998.8	+1	NNW	1	mbc	38	92	4	2500	St	5	-	5	2	1004.5	+8	NE	2	fo	40	85	3	<150	St	10	-	10	•
Croydon	998.9	+1	-	0	bc/f	46	75	6	1500	Cu	1	Ci	4	2	1004.7	+9	NE'E	2	umb	35	97	4	-	-	0	-	0	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1005.0	+9	E	~~+~~5	od₀r	43	97	7	1500	St	10	-	10	3
Shoeburyness	999.4	+4	ESE	1	mmb	40	75	6	-	-	0	ASt	2	•	1005.5	+8	SE	5	or+	42	75	7	450	St	10	-	10	•
Grain	999.5	+4	SEE	3	mb-	41	85	5	800	Cu	2	-	2	1	1004.9	+8	E'S	4	or₀	42	85	7	1500	Nb	10	-	10	0
Lympne	999.2	+3	E	3	bc	42	85	5	1500	St	6	-	6	1	1003.9	+7	ESE	5	or	40	92	6	800	Nb	9	-	9	•
Scilly (St. Mary's)	999.3	-3	N'W	9	cpr	48	75	8	4000	CuNb	7	-	7	•	1002.4	+6	NE	7	cpr	46	85	7	4000	CuNb	8	-	8	7
Falmouth (Pendennis)	995.7	-4	NNW	4	or+	41	92	6	4000	Nb	10	-	10	•	1001.3	+5	NNE	5	bcr	42	85	7	4000	StCu	5	-	5	0
Plymouth (Cattewater)	996.5	-3	-	0	or	41	92	5	450	Nb	10	-	10	2	1001.6	+7	NNE	4	bc	41	75	7	4000	StCu	1	CiSt	5	0
Portland Bill	996.8	-4	NE	2	bcr	44	75	7	4000	CuNb	6	-	6	•	1002.2	+6	NE	3	bc/r	42	75	7	4000	CuNb	4	-	4	1
Southampton (Calshot)	998.1	+1	NE	2	c	43	75	6	4000	CuNb	4	ASt	8	2	1002.5	+7	NE'N	3	b-	41	75	7	-	-	0	Ci	2	0
Dungeness	998.6	+2	NE	3	bc-	44	85	7	4000	Nb	4	Ci	6	•	1002.8	+5	E	5	or+	42	92	7	4000	Nb	10	-	10	5
Guernsey	997.3	-4	NNW	3	c-	45	75	8	2500	CuNb	8	-	8	•	999.8	+3	E	5	bc/r	42	85	7	2500	Nb	6	-	6	3

LONDON OBSERVATIONS.	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % Yesterday	Humidity 9h. G.M.T. % To-day
		24 Hours ended 0900 G.M.T. 10th										
Kew (24 hours ended 0700)	18	ofbcm	or-f	b[illegible]	•	•	35	-	1	0.6	•	•
Croydon (24 hours ended 0700)	244	bcmf	bzof	b[illegible]	•	•	28	-	0.4	2.6	•	•
Greenwich (Royal Obsy.)	149	om	obcom	orbo	42	34	28	-	[illegible]	0.0	90	86
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•
Westminster (St. James' Pk.)	27	•	•	•	44	34	32	0.5		0.0	82	80
Regent's Pk. (Botanic Gdns).	—	•	•	•	•	•	•	•	•	0.1	•	•
Camden Square	110	bz	bc	•	41	34	31	-	0.5	•	•	88
Kensington Palace	90	ogof	ofgo	•	42	38	30	-	0.7	•	(At 18h) 84	84
Hampstead Observatory	450	•	•	•	42	32	29	1	-	1.9	85	85

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 9th.

South Kensington	Max.	Time.	Min.	Time.
	1.3	9th 19h.	<0.3	9th 1h.
	3.0	9th 15h.		

Kew Observatory	Max.	Time.	Min.	Time.
	0.5	8th 17h	<0.3	8th 24h.
	0.5	9th 14h		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 9th 17h 30m. to 10th 6h 0m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	12.30	05.00	40
δ Ursae Minoris	12.30	04.50	39

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.¹

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	-	-	-	-
01h.	-	-	-	-
07h.	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

10th & 11th November, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.6	11.37	4.8
	7.8	11.37	4.6
Greenwich	7.11	11.44	4.17
	7.12	11.44	4.16
Wick	7.31	11.56	4.1
	7.53	11.56	3.59
Valencia	7.53	12.25	4.57
	7.55	12.25	4.55

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = 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; − = "decreasing"; + = "increasing."

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.

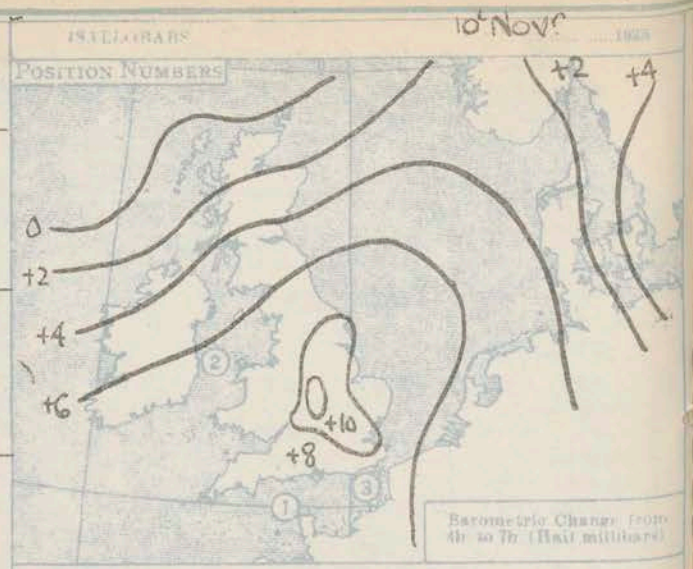
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell — Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell — Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

¹ For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.–13h. 9h.	Weather. 13h.–18h. 9h.	Weather. 18h. 9h. to 1h. 10h.	Weather. 1h.–7h. 10h.	Temperature. Max. Day. 7h.–18h.	Temperature. Min. Night. 18h.–7h.	Temperature. Min. on Grass.	Rainfall.† Day. 7h.–18h. mm.	Rainfall.† Night. 18h.–7h. mm.	Rainfall.† Precipitation began.	Rainfall.† Precipitation began.	Sun. 9h. Hours.
Lerwick	b	b	b	bc	48	40	•	–	–	–	–	3.7
Stornoway	bc	bc	bbc	oo	46	31	•	–	–	–	–	6.5
Wick	cp,bc	b-bc	bbc	bbc	47	31	•	0.2	–	<0800	–	•
Castlebay	b	b	b	bbc	47	42	•	–	–	–	–	7.3
Nairn	prsbc	bcb	b×bc	bc	42	29	•	3	–	<0800	–	3.5
Aberdeen	ir,bc	bccb	b	b	45	31	24	2	–	<0800	–	0.4
Malin Head	bc	bc	b	bc×	47	36	•	–	–	–	–	5.5
Renfrew	cod,w	od,bcm	omc	cm	45	28	20	Trace	•	1100	–	1.3
Edinburgh (Inchkeith)	p	p	p	b	47	39	34	2	0.2	<0800	<2100	1.2
Leuchars	oirbcq	bcrb	bbcp,bc	bcc	46	31	23	5	trace	<0800	2200	1.0
Eskdalemuir	obcoirs	ob	bprscb	bccpbcbx	39	32	29	1	0.3	0900	<2100	1.7
Tynemouth	irq	irq	bbcq	bbcm	46	42	40	3	0.5	0900	<2100	•
Blacksod Point	p	p	p	oo	47	32	•	1	–	–	–	•
Donaghadee	cq	cqp	bcqp	bc	46	44	•	0.5	0.1	12.30	<2100	•
Birr Castle	co	co	co	bcx	45	31	22	–	–	–	–	7.4
Holyhead	ir,oc	prhrq	oqbqob	bbc	46	45	41	1	–	0900	–	3.4
Liverpool (Bidston)	pobcm	r-d	obcm		44	37	33	2	0.4	1430	2200	3.2
Chester (Shotwick)	odrff	orrmdr	ocbcm	bm	43	35	27	4	–	<0800	–	1.1
Spurn Head	ofropq	oo	pcqbo	oqrbc	46	43	•	5	0.3	<0800	<2100	0.0
Birmingham (Edgbaston)	ofmc	orrssro	grpqoo	oom	41	34	31	4	0.2	0900	2200	1.2
Nottingham	frs	or	bor,b	cp,	39	33	32	5	1	1100	<2100	0.0
Cranwell	cofr	orfbm	r,c	bopb	39	34	25	6	1	1100	<2100	0.0
Gorleston	orrq	orrq	cbcqv	procq	46	~~45~~ 35	39	8	1	<0800	0230	0.0
Valencia (Cahirciveen)	opcbc	bcb	bbcb	bbcb	50	38	34	2	–	<0800	–	5.4
Roches Point	bbcpb	bb	bm	bz	47	39	•	0.4	trace	0900	–	
Pembroke (St. Ann's H.)	c	c	bbc	bbc	45	39	•	2	–	0900	–	3.7
Ross-on-Wye	cbc	zbbcgrr	gomid	oco	43	36	32	2	0.2	1530	<2100	4.6
Leafield	bc	bcf		ouqp	42	35	31	–	0.3	–	0330	6.7
Andover	bxmcu	ombco	bcopr	ocbcb	43	35	30	–	0.2	–	2200	3.1
S. Farnborough	bcmfbcm	mbmof	ofrc	bcb	42	36	29	–	0.3	–	<2100	4.4
London (Kew Obsy.)	ofbcm	omf	omdgim	bcmbbm	40	39	35	–	1	–	<2100	0.6
Croydon	bomf	bcbzmf	bmworr	bobcm	47	35	28	–	0.4	–	<2100	2.6
Clacton-on-Sea	oqrsc	cbccod	pqdoq	oqc	44	43	40	6	0.1	?	<2100	3.1
Shoeburyness	oqbcbcm	qprom	orc	bcb	42	41	37	1	0.1	1530	<2100	4.2
Grain	oromb	bmcor	r,ocb	bccbc	43	41	38	2	0.1	0900	2200	3.9
Lympne	omcbc	bcmco	obm	bmo	44	39	35	0.5	–	<0800	–	4.4
Scilly (St. Mary's)	cpnq	cpq	bcqp	bccq	49	40	•	2	4	<0800	<2100	4.1
Falmouth (Pendennis)	bcpr	corbc	co	bc	47	39	•	3	–	0900	–	3.3
Plymouth (Cattewater)	oprr	orbcc	bcb	b	45	36	29	4	–	<0800	–	2.7
Portland Bill	p	r-d	f-m	bbc	50	39	•	2	–	0900	–	•
Southampton (Calshot)	cmm	cmb	opm	bm	46	39	36	–	trace	–	2200	3.7
Dungeness	b-bc	c	oroqp	cq	47	42	•	0.3	1	17.30	<2100	•
Guernsey	cirirc	cohirrc	ctlr,rq	cq	49	38	•	8	1	0900	<2100	•



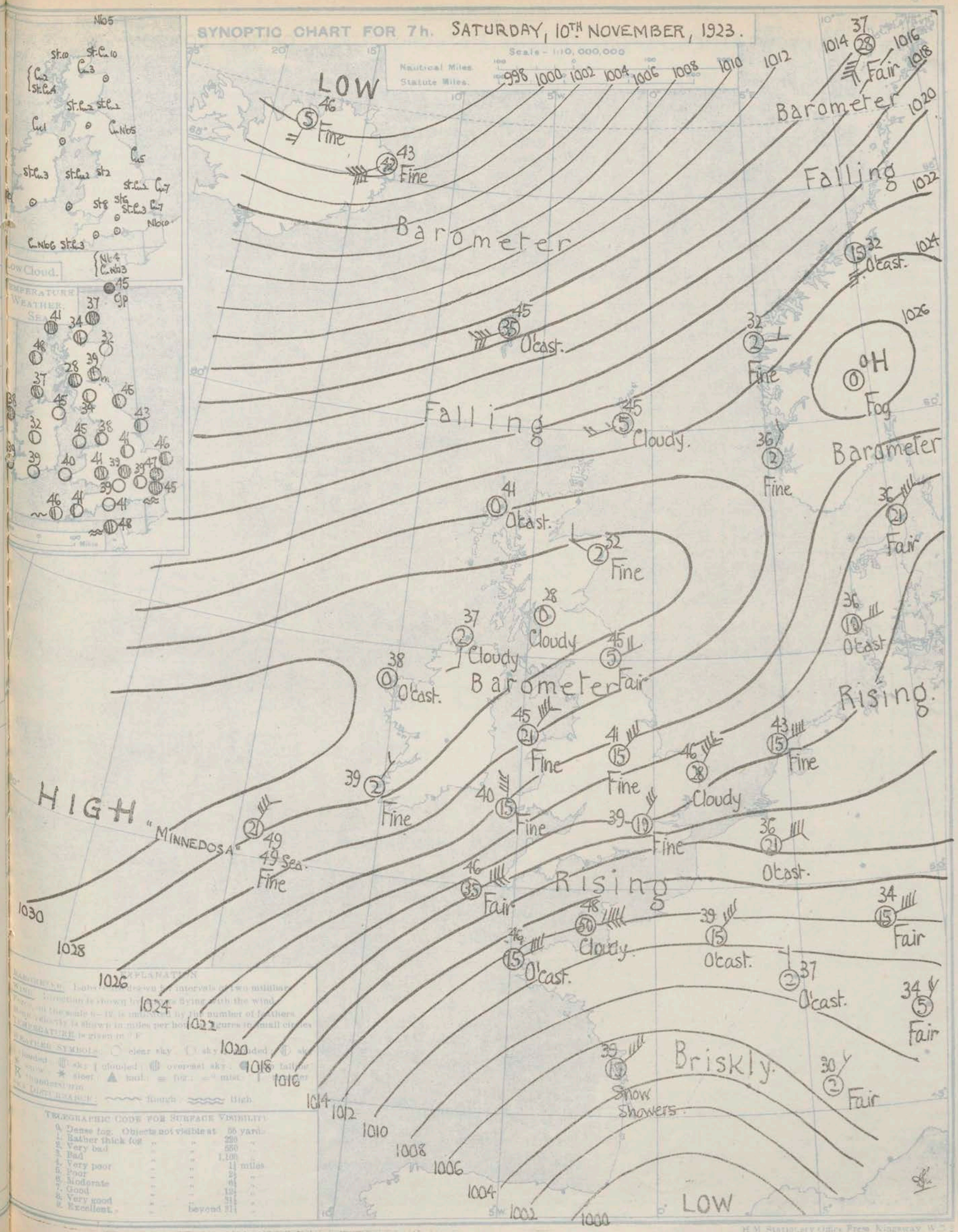
Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility.
2	9th 1000	Hibernia	NNE	8	oqtir	45	52	6
3	10th 0200	Arundel	E	6	o+	43	54	7

GENERAL INFERENCE.

The ridge of high pressure is moving quickly South. Winds will become southwesterly in Scotland, possibly reaching gale force in the West, with cloudy, unsettled, and milder weather. Over England, the northeasterly winds will moderate, though a gale is likely during most of today on the south and southeast coasts, and the weather will be fair and cold, with mist or fog and frost early on Sunday morning.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 10th November, 1923.	Further Outlook.
1. S.E. England	Strong N.E. wind, a gale in places, moderating; fair; mist or fog developing during the night; cold, frost at night.	
2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Strong N.E. wind, moderating; fair; mist or fog developing during the night; cold, frost at night.	None issued. ---------
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind N.E., moderate or fresh, becoming light and indefinite; fair; mist or fog at night; cold, frost at night.	△ North Cone still flying.
11. E. Scotland 12. S.W. Scotland	Wind S.W., freshening; fair at first, much cloud with some rain or drizzle later; visibility moderate; becoming milder.	
13. Isle of Man	Wind light and indefinite, freshening from S.W. later; fair to cloudy, some rain later; visibility moderate; milder.	▲ ▼ Cones hoisted 0930 GMT. 10.11.23.
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind S.W., fresh to strong, possibly reaching gale force in places; much cloud, some rain; visibility moderate; milder.	
17. N.W. Ireland 18. N.E. Ireland	As 13.	
19. S.E. Ireland 20. S.W. Ireland	Wind light and indefinite; fair, mist or fog at night; cold, frost at night.	



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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION. Saturday, 10th November 1923. No. 314.

STATIONS.	Height above M.S.L. in feet	Obs. at 0100 G.M.T. 10th: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Obs. at 0700 G.M.T. 10th: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sun 0-9
Lerwick	54	1024.2	0	-	0	b	43	92	7	4000	Cu	1	-	1	1023.0	-2	NSW	2	cjp	45	92	6	4000	Nb	5	ACu	7	1
Stornoway	51	1026.1	+3	-	0	bc	•	•	6	•	•	•	•	•	1026.0	+1	-	0	o	41	92	7	800	St	10	-	10	0
Wick	81	1025.4	+1	NNW	1	b	31	97	8	4000	Cu	1	-	1	1026.1	0	WSW	2	o+	37	92	8	5700	StCu	10	-	10	0
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•	1025.6	0	SW	4	bc+	48	85	8	4000	StCu	6	-	6	3
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1027.1	•	-	0	bc+	34	85	8	2500	Cu	3	ACu	5	0
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•	1028.9	+2	NW	1	b	32	97	7	-	-	0	-	0	0
Malin Head	71	1025.5	+4	ENE	5	b	47	85	8	5700	Cu	1	-	1	1029.5	+2	S	1	c+	37	97	8	5700	Cu	1	CiCu	7	4
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•	1029.7	+5	-	0	c	28	97	4	2500	StCu	2	A St	7	1
Edinburgh (Inchkeith)	190	1024.1	+4	NE	5	bc/r	41	97	8	•	CuNb	4	-	4	1028.9	+4	SW	2	mbc	39	97	6	•	StCu	2	CiCu	6	•
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•	1028.5	+4	W	1	bc	32	92	8	4000	StCu	4	CiCu	6	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	1029.4	+4	N'W	1	b	34	85	7	-	-	0	ACu	1	•
Tynemouth	118	1023.2	+5	ENE	5	b	46	85	7	1500	Cu	2	-	2	1027.1	+7	ENE	2	bc+	45	75	6	1500	CuNb	5	-	5	•
Blacksod Point	10	1025.6	+8	NNE	5	o	44	75	7	•	•	•	•	10	1029.7	+3	-	0	o	38	92	7	•	•	•	•	10	4
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•	1028.0	+5	E	2	b	45	85	8	-	-	0	•	0	2
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•	1029.6	•	N	1	b-	32	97	5	1500	StCu	3	-	3	•
Holyhead	36	1020.4	+6	NE'E	5	b-	45	85	8	-	-	0	-	0	1026.3	+6	NE	5	b	45	85	8	4000	StCu	2	-	2	5
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	1026.9	+6	NE	2	b/r	38	85	4	2500	St	2	-	2	3
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	1025.3	+3	NNW	2	b	35	92	5	-	-	0	-	0	•
Spurn Head	26	1018.1	+5	NE	6	o	45	85	7	4000	St	10	-	10	1024.1	+8	NE	5	bc	43	85	7	4000	Cu	5	-	5	4
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•	1024.1	+7	NE	4	mo-	39	92	4	800	St	10	-	10	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1024.5	+9	NNE	4	b-	41	85	7	2500	StCu	2	-	2	•
Cranwell	237	1018.1	0	NE	3	b	38	92	7	-	-	0	-	0	1023.9	+6	NE	3	b	39	97	8	1500	StCu	2	-	2	•
Gorleston	13	1016.0	+3	NE	3	b-	45	75	8	2500	Nb	1	-	1	1020.3	+4	NE'N	6	c-	46	75	7	4000	Cu	7	-	7	4
Valencia (Cahirciveen)	30	1021.2	+4	NE	4	b-	43	85	9	•	Cu	3	-	3	1028.4	+7	NE'E	1	b	39	75	6	4000	St	1	-	1	3
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•	1026.9	+7	NNE	1	b	39	92	6	-	-	0	-	0	0
Pembroke (St. Ann's H.)	149	1016.2	+7	N	4	b	39	85	7	-	-	0	-	0	1022.7	+6	N	4	b	40	85	7	-	-	0	-	0	3
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	1021.9	+6	NE'E	3	c-	41	85	6	2500	St	8	-	8	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•	1022.0	+11	NE'E	4	o+	39	92	6	1500	St	10	~~St~~	10	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•	1019.0	+5	NNE	5	b-	36	85	7	-	-	0	-	0	•
S. Farnborough	250	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.0	+7	NE	3	b	39	92	6	-	-	0	-	0	0
London (Kew Obsy.)	18	•	•	•	•	•	40	•	•	•	•	•	•	•	1020.0	+8	NNE	3	b	39	85	6	2500	StCu	3	-	3	•
Croydon	244	1018.3	+7	NE	3	bc/r	39	85	6	-	-	0	A St	4	1019.4	+9	NE'N	4	bc-	39	85	6	1500	St	5	-	5	•
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.1	+6	NE	5	c	47	75	7	800	Cu	7	-	7	4
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	1020.1	+9	ENE	5	b	48	75	7	4000	Cu	1	-	1	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•	1019.5	?	NE	7	bc	46	75	8	1500	StCu	3	-	5	•
Lympne	350	1011.7	+6	NE	5	b	41	75	6	800	St	3	-	3	1017.3	+8	ENE	6	c	43	75	7	800	St	7	ACu	8	•
Scilly (St. Mary's)	131	1009.2	+4	E	7	bdr	42	85	7	4000	CuNb	4	-	4	1017.8	+7	E'N	7	bc+	46	75	7	4000	CuNb	6	-	6	7
Falmouth (Pendennis)	200	1016.4	+8	NNE	5	o	40	85	7	4000	StCu	10	-	10	1017.4	+6	NNE	5	b	41	75	8	5700	StCu	3	-	3	0
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.2	+7	NNE	5	b	41	75	8	•	•	0	-	0	4
Portland Bill	19	1011.4	+8	NE	7	b-	43	75	7	-	-	0	-	0	1016.2	+8	NE	6	b	41	65	7	-	-	0	-	0	3
Southampton (Calshot)	12	1011.7	+7	NE	4	mo-	41	75	6	1500	StCu	9	-	9	1018.1	+7	NE	5	b	41	75	6	-	-	0	A St	1	3
Dungeness	21	1010.2	+4	E	8	bc+	45	75	7	7000	CuNb	6	-	6	1015.2	+5	E	8	o	45	75	7	4000	Nb	10	-	10	8
Guernsey															1012.2	+5	E	9	c+	48	75	7	2500	Nb	7	-	7	8

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 9a.

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 8a.-9a. °F.	Temperature. Max. Day. 9a.-9a. °F.	Rainfall.† Night 17h.-9h. 9a.-9a. mm.	Rainfall.† Day 9h.-17h. 9a.-9a. mm.	Sunshine.	Sunshine. Sunrise to Sunset. 9a.-9a. hr.
Montrose	orm	cm	27	47	4	-		0.2
Berwick-on-Tweed	xprsr	pRsc	29	46	2	1		1.0
Llandudno	cbc	cbore	36	45	11	1		2.0
Colwyn Bay	c	cq	28	45	13	1		1.8
Rhyl	rcbc	bcrc	33	43	18	1		2.6
Southport	bbc	bccor	34	44	3	0.4		4.2
Blackpool	bcc	pc	35	45	6	1		3.6
Ilkley	xomo	orspo	26	42	0.2	2		0.0
Harrogate	fpsr	oor	25	41	-	3		0.0
Skegness	fro	ro	29	44	9	2		0.0
Aberystwyth	roc	b	37	44	9	-		4.0
Bath	mo	omc	32	41	1	0.3		0.0
Leamington Spa	cb	orsom	27	42	2	4		2.4
Lowestoft	oic	oic	36	45	25	2		0.0
Felixstowe	om	orm	32	44	27	0.4		3.3
Southend	foc	orac	31	43	22	2		2.6
Ilfracombe	ohrbc	bo	42	45	4	0.2		1.4
Bude	ip.p.p.	rccbc	41	45	3	0.3		2.3
Torquay	racp	p	36	43	5	5		1.3
Weymouth	rbc	bcob	35	46	6	1		2.4
Bournemouth	roo	oo	34	40	4	2		0.1
Portsmouth (S'thsea)	bcf	bcbf	35	46	5	-		5.4
Littlehampton	bc	bc	33	44	17	-		3.7
Worthing	b	bbc	33	43	13	-		4.3
Brighton	b	bcor	36	46	13	-		3.7
Eastbourne	bbc	bchro	36	47	8	1		7.6
Hastings	mbcc	bccoho	35	46	7	0.1		6.1
Folkestone	mspro	c	33	46	8	-		3.0
Dover	omc	bccor	35	46	8	trace		2.3
Tunbridge Wells	om	bom	33	45	18	-		2.3
Ramsgate	obcb	bbco	34	43	5	-		2.5
Margate	orsc	bbco	35	44	5	2		2.5
Deal	oro	bccor	34	44	6	-		1.5

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22634 SUNDAY 11TH NOVEMBER 1923.

Observations at 1500 G.M.T. 10

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1019.4	-4	WSW	3	o6r+	47	97	5	4000	Nb	10	-	10	•
Stornoway	1023.6	-2	SW	3	o	47	92	7	800	Sr	10	-	10	•
Wick	1024.1	-3	WSW	3	o	44	85	8	5700	SrCu	8	CiSr	10	•
Castlebay	1027.8	-1	SW	4	o+	49	85	8	2500	CuNb	10	-	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1027.5	-3	WSW	1	o+	42	85	4	-	-	0	ASr	10	1
Malin Head	1030.4	0	SW	2	o	45	92	8	5700	SrCu	10	-	10	•
Renfrew	1030.4	-2	NW	1	o	40	92	4	1500	Sr	10	-	10	1
Edinburgh (Inchkeith)	1028.5	-1	SW	3	mo-	42	92	6	•	-	0	CiSr	4	•
Lenchars	1028.4	-1	SW	3	o+	42	85	7	-	-	0	ASr	10	0
Eskdalemuir	1029.8	0	W'N	1	o+	45	65	8	-	-	0	ACu	9	2
Tynemouth	1029.3	+2	N	1	bc	45	75	6	1500	CuNb	4	Cu	6	•
Blacksod Point	1031.9	+1	-	0	o	46	75	8	•	•	•	•	10	•
Donaghadee	1030.9	+1	-	0	c+	47	85	8	-	-	0	ASr	7	•
Birr Castle	1031.3	•	N	1	c+	41	97	6	4000	SrCu	8	-	8	•
Holyhead	1029.5	+1	NE'E	4	b+	47	75	8	4000	Cu	2	CiSr	3	0
Liverpool (Bidston)	1029.1	+1	NE'N	2	b+	44	75	5	800	SrCu	3	-	3	•
Chester (Shotwick)	1028.6	+2	N	3	bc+	45	75	5	2500	Cu	5	-	5	2
Spurn Head	1027.5	+4	NNE	4	bc	46	85	7	-	-	0	ACu	5	•
Birmingham (Edgbaston)	1026.9	+1	NE	5	mmbc	44	75	6	4000	Cu	6	-	6	1
Nottingham	1026.7	+1	NE	3	b	45	75	8	1500	CuNb	1	-	1	•
Cranwell	1027.0	+1	NE'E	4	bc	46	85	7	2500	Cu	5	-	5	2
Gorleston	1026.0	+1	NE	4	bc+	+7	75	7	5700	CuNb	4	-	4	•
Valencia (Cahirciveen)	1031.8	+3	ENE	2	c-	46	75	8	-	-	0	ACu	7	0
Roches Point	1029.5	+3	NE	3	c+	49	75	8	-	-	0	ACu	7	•
Pembroke (St. Ann's H.)	1026.0	0	NE	5	b	46	75	7	4000	Cu	3	-	3	•
Ross-on-Wye	1025.2	+1	NE	4	bc	46	65	6	4000	Cu	4	-	4	1
Leafield	1024.3	+2	E	3	c+	44	75	8	2500	Sr	4	CiCu	8	1
Andover	1021.9	+3	NE'N	6	bc+	+8	65	8	4000	Cu	4	-	4	0
S. Farnborough	1022.5	+1	NE	4	mmc	47	65	6	2500	Cu	7	-	7	1
London (Kew Obsy.)	1022.9	0	NNE	4	c	47	65	6	2500	SrCu	8	-	8	1
Croydon	1022.6	0	NE'N	5	c/r	46	75	6	2500	SrCu	8	-	8	1
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1022.8	+2	ENE	6	cPR	44	85	8	1500	Nb	8	-	8	•
Grain	1022.2	+3	NE	6	oPR	46	85	8	1500	Nb	9	-	9	1
Lympne	1020.8	+1	ENE	6	o	46	75	8	1500	SrCu	9	-	9	2
Scilly (St. Mary's)	1021.9	+2	NE	6	bc	+9	75	8	4000	Cu	4	-	4	•
Falmouth (Pendennis)	1021.4	+4	NNE	6	bc+	+8	65	8	5700	Cu	4	-	4	•
Plymouth (Cattewater)	1021.7	+2	NE	5	b	47	75	7	4000	SrCu	2	-	2	0
Portland Bill	1020.4	0	NE	7	b	48	65	7	4000	Cu	2	-	2	•
Southampton (Calshot)	1021.6	0	NE	6	bc+	+8	65	7	4000	Cu	5	-	5	0
Dungeness	1019.4	+3	ENE	8	c	+8	75	7	5700	CuNb	8	-	8	•
Guernsey	1016.5	+3	E'N	9	o	49	75	8	2500	Nb	9	-	9	•

Observations at 1800 G.M.T. 10

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1015.1	-3	W	6	o6r	48	97	5	4000	Nb	10	-	10	5
Stornoway	1021.7	-2	SW	5	obc	46	97	7	450	Sr	10	-	10	4
Wick	1020.7	-3	SW	3	or	45	85	8	5700	SrCu	6	ASr	10	0
Castlebay	1025.7	-2	WSW	4	o6r	49	97	7	1500	Nb	10	-	10	5
Nairn	1022.3	•	W	5	o+	44	85	8	1500	Sr	9	-	9	•
Aberdeen	1025.6	-1	W	1	b-	36	85	6	-	-	0	ASr	3	0
Malin Head	1029.2	-1	SW	3	o	45	92	8	5700	SrCu	10	-	10	1
Renfrew	1028.7	-2	SW	2	bc-	42	85	6	2500	Sr	4	ASr	6	•
Edinburgh (Inchkeith)	1027.1	-3	SW	4	mb-	43	92	6	•	-	0	ACu	1	2
Lenchars	1026.4	-2	SW	3	b-	38	92	7	-	-	0	ASr	3	•
Eskdalemuir	1029.6	0	WSW	1	c	37	85	7	-	-	0	ACu	7	•
Tynemouth	1029.2	0	WNW	1	bc	42	75	5	-	-	0	ACu	5	1
Blacksod Point	1031.1	0	-	0	o	47	75	8	•	•	•	•	10	4
Donaghadee	1029.8	-1	-	0	mo	43	92	6	450	Sr	10	-	10	0
Birr Castle	1031.5	•	-	0	fo	39	97	3	4000	SrCu	9	-	9	•
Holyhead	1030.3	+1	NE	3	b	45	75	8	4000	SrCu	1	ACu	3	3
Liverpool (Bidston)	1030.1	+2	NNE	2	b/m	41	85	4	-	-	0	-	0	3
Chester (Shotwick)	1029.9	+2	NNW	2	ffb	36	92	3	-	-	0	-	0	•
Spurn Head	1029.0	+2	NNE	3	c	44	85	7	4000	SrCu	8	-	8	4
Birmingham (Edgbaston)	1028.1	+4	NE	4	mb+	39	85	5	-	-	0	-	0	•
Nottingham	1029.0	+3	NNE	3	b	41	85	7	-	-	0	-	0	•
Cranwell	1028.7	+3	NE'N	1	b	33	97	6	-	-	0	-	0	•
Gorleston	1026.1	+2	NE	5	b-	45	75	7	4000	Nb	2	-	2	4
Valencia (Cahirciveen)	1032.1	+1	NNE	2	mo	44	75	6	4000	Sr	10	-	10	1
Roches Point	1031.0	+3	NE	2	o	44	92	8	4000	SrCu	10	-	10	0
Pembroke (St. Ann's H.)	1029.1	+3	N	4	b	42	75	7	-	-	0	-	0	2
Ross-on-Wye	1027.8	+4	NE'N	3	o	41	75	6	-	-	0	-	0	•
Leafield	1027.5	+4	ENE	2	b-	38	85	5	-	-	0	ACu	2	•
Andover	1025.1	+4	NNE	4	b	41	85	7	-	-	0	-	0	•
S. Farnborough	1025.4	+4	NNE	3	mmb	41	85	5	-	-	0	-	0	•
London (Kew Obsy.)	1025.2	+4	NNE	3	b	43	75	6	-	-	0	-	0	•
Croydon	1025.4	+4	NE	4	b	+2	85	6	-	-	0	-	0	•
Clacton-on-Sea	1025.0	+4	NNE	3	bc	44	85	7	2500	Cu	4	-	4	1
Shoeburyness	1025.3	+5	ENE	3	bcpr	+2	85	7	1500	Nb	5	-	5	•
Grain	1024.9	+3	NNE	6	cpr	44	75	7	1500	Cu	7	-	7	0
Lympne	1022.7	+2	ENE	5	bc-	+3	75	8	1500	SrCu	4	-	4	•
Scilly (St. Mary's)	1024.8	+3	NE	5	c+	48	75	7	4000	CuNb	7	-	7	5
Falmouth (Pendennis)	1024.6	+3	N	4	b-	44	75	8	5700	SrCu	2	-	2	1
Plymouth (Cattewater)	1025.1	+8	NE	4	b	43	85	7	-	-	0	-	0	0
Portland Bill	1023.9	+4	NE	5	b	+5	65	7	-	-	0	-	0	0
Southampton (Calshot)	1024.7	+3	NNE	4	b	43	75	7	-	-	0	-	0	0
Dungeness	1021.5	+3	ENE	8	bc-	47	65	8	5700	Cu	6	-	6	7
Guernsey	1020.4	+6	ENE	9	o	49	?	8	2500	CuNb	9	-	9	8

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather. Morning. (24 hours ended 0900 G.M.T.)	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.
Kew	18	omcz	bczbz	bzx	•	•	24	-	-	3.0	•	•
Croydon (24 hours ended 0700)	244	bofmz	cbmz	bmx	•	•	21	0.1	-	3.1	•	•
Greenwich (Royal Obsy.)	149	oc+	cb	bobcbm	48	34	24	0.3	-	3.6	.15	.18
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	2.5	•	•
Westminster (St. James' Pk.)	27	•	•	•	49	35	32	-	-	3.0	67	78
Regent's Pk. (Botanic Gdns.)	—	•	•	•	•	•	•	•	•	3.6	•	•
Camden Square	119	bcobc	b	•	50	34	29	-	-	•	•	81
Kensington Palace	60	bc	bbc	•	48	37	28	-	-	•	(At 18h) 71	70
Hampstead Observatory	350	•	•	•	•	•	•			5.3		

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 1600 G.M.T. 10

South Kensington	Max.	Time.	Min.	Time.
	-	-	-	-
	-			

Kew Observatory	Max.	Time.	Min.	Time.
	-	-	-	-
	-	-		

POLE STAR RECORD at Greenwich Obsy.

Exposure from .....h.....m. to .....h.....m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris			
δ Ursae Minoris			

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics). AT CROYDON.†

Time.	Type.	No. per 4 sec.	Stron.	Direc.
13h.	CC_2	6	2	116°
18h.	CC_2	5	-	145°
22h.	CC_2	6	-	140°
17h.	AC_1	6	-	150°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

11th & 12th Nov.r 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.8 / 7.10	1.37 / 1.37	4.6 / 4.4
Greenwich	7.12 / 7.14	11.44 / 11.44	4.16 / 4.14
Wick	7.53 / 7.55	11.56 / 11.56	3.59 / 3.57
Valencia	7.55 / 7.57	12.26 / 12.25	4.55 / 4.53

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. o wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_o = slight rain, rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = 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; - = "decreasing"; + = "increasing."

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.

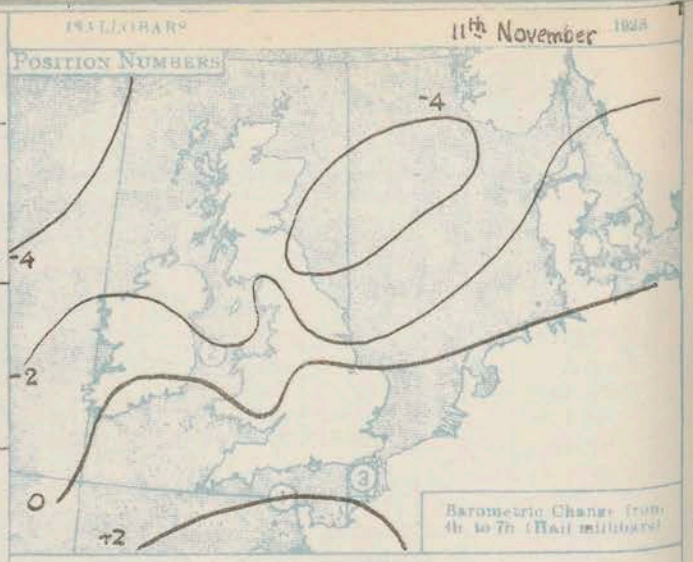
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

† For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 10°	13h.-18h. 10°	18h. 10° to 1h. 11	1h.-7h. 11	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 10° Hours.
Lerwick	omr	omrq	omr	0	48	46	•	2	2	12·30	<21·00	0·0
Stornoway	oo	oo	c	p	48	45	•	0·2	1	–	–	0·0
Wick	oo	oid.	0o	oo	45	44	•	Trace	–	15·30	–	•
Castlebay	bco	or.	r.	r.df	49	48	•	Trace	0·2	–	<2100	0·0
Nairn	bccq	cprq	oqgc	cq	44	44	•	0·6	–	16·30	–	0·2
Aberdeen	bxcq	cmbm	bcco	ombcc	42	36	28	–	1	–	2200	1·14
Malin Head	co3	coz	coz	omdd	47	44	•	–	0·2	–	0530	0·1
Renfrew	cmxo	omcbc	om	om	43	41	37	–	Trace	–	–	0·0
Edinburgh (Inchkeith)	omm	omm	cm	oo	44	41	40	–	–	–	–	2·2
Leuchars	cco	ombc	oo	opr.o	43	37	33	–	Trace	–	–	1·7
Eskdalemuir	bxo	obcc	cbcb	cod.m	45	32	29	–	0·1	–	–	4·8
Tynemouth	b-bcm	b-bcm	bff	co	47	36	34	–	–	–	–	•
Blacksod Point ...	c	oo	oo	oo	52	43	•	–	0·5	–	–	•
Donaghadee	bc	om	c	o	49	39	•	–	–	–	–	•
Birr Castle	bcco	cofb	cofb	oo	42	33	26	–	–	–	–	1·1
Holyhead	bb	bb	bbwx	bxbc	47	36	28	–	–	–	–	7·8
Liverpool (Bidston) ...	b-bc	bm	bm		45	36	30	–	–	–	–	5·7
Chester (Shotwick) ...	bbcm	bcmfb	bfx	bfx	46	25	20	–	–	–	–	5·2
Spurn Head	c	c	b-bc	b-bc	47	38	•	–	–	–	–	6·5
Birmingham (Edgbaston)	ocbcm	mb	bbm	bmFFx	44	29	17	Trace	–	<0800	–	4·6
Nottingham	cp.	b-bc	bmf	f-mx	47	25	24	Trace	–	11.00	–	6·7
Cranwell	bbcorsp	bx	c	bmbcf	46	27	23	Trace	–	12·30	–	7·3
Gorleston	cqbcq	bcqbc	bqbcq	bm	49	37	32	–	–	–	–	5·6
Valencia (Cahirciveen)	bcoc	ocom	oc	bccom	48	39	35	–	–	–	–	2·5
Roches Point	bbcc	co	bw	bo	50	37	•	–	Trace	–	–	•
Pembroke (St. Ann's H.)	b-bc	b-bc	b-bc	b-bc	46	37	•	–	–	–	–	7·3
Ross-on-Wye	obc	bbcocb	bbmx	bfx	46	27	18	–	–	–	–	4·5
Leafield	cox	cbcb	bff		46	26	23	–	–	–	–	6·3
Andover	bbccq	bccbc	b	b	48	32	26	–	–	–	–	6·7
S. Farnborough ...	bcpr.	bcbm	bx	bx	48	26	18	Trace	–	0900	–	4·7
London (Kew Obsy.) ...	omcz	bczbz	bzb	bbzx	48	35	24	–	–	–	–	3·0
Croydon	bop.mz	cbmz	bm	bmx	47	30	21	0·1	–	<09·00	–	2·1
Clacton-on-Sea ...	cp	cbc	bc	bc	48	36	33	0·3	–	<0800	–	3·4
Shoeburyness	bbccpP	bccp	bcb	bcp	48	33	30	2	Trace	<0800	<2100	2·3
Grain	cppoc	bccpr	cbcb	bb	48	38	33	3	0·2	11.00	<2100	2·1
Lympne	co	ocbc	bcb	bx	46	33	21	–	–	–	–	6·7
Scilly (St. Mary's) ...	bcq	bcq	bq	bq	49	41	•	–	–	–	–	6·8
Falmouth (Pendennis)	bc	bcq	b	bbc	48	38	•	–	–	–	–	8·6
Plymouth (Cattewater)	b	b	b	b	48	37	25	–	–	–	–	8·3
Portland Bill	b-bc	b-bc	b-bc	b-bc	48	38	•	–	–	–	–	•
Southampton (Calshot)	bcq	bcqcbc	b	bx	48	35	31	–	–	–	–	4·9
Dungeness	cq	cq	b-bc	b-bc	48	45	•	–	–	–	–	•
Guernsey	cd.q	cq	cbccq	cbcq	50	38	•	Trace	–	<0800	–	*



Observations from Cross Channel Steamers.

Position.	Date and Time	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. sea	Visibility
2	10th 1000	Hibernia	NE	5	bc	49	52	8
	10th 1400	Reindeer	ENE	7	PR	49	51	5
3	11th 0200	Dieppe	NE'E	6	b	44	54	8

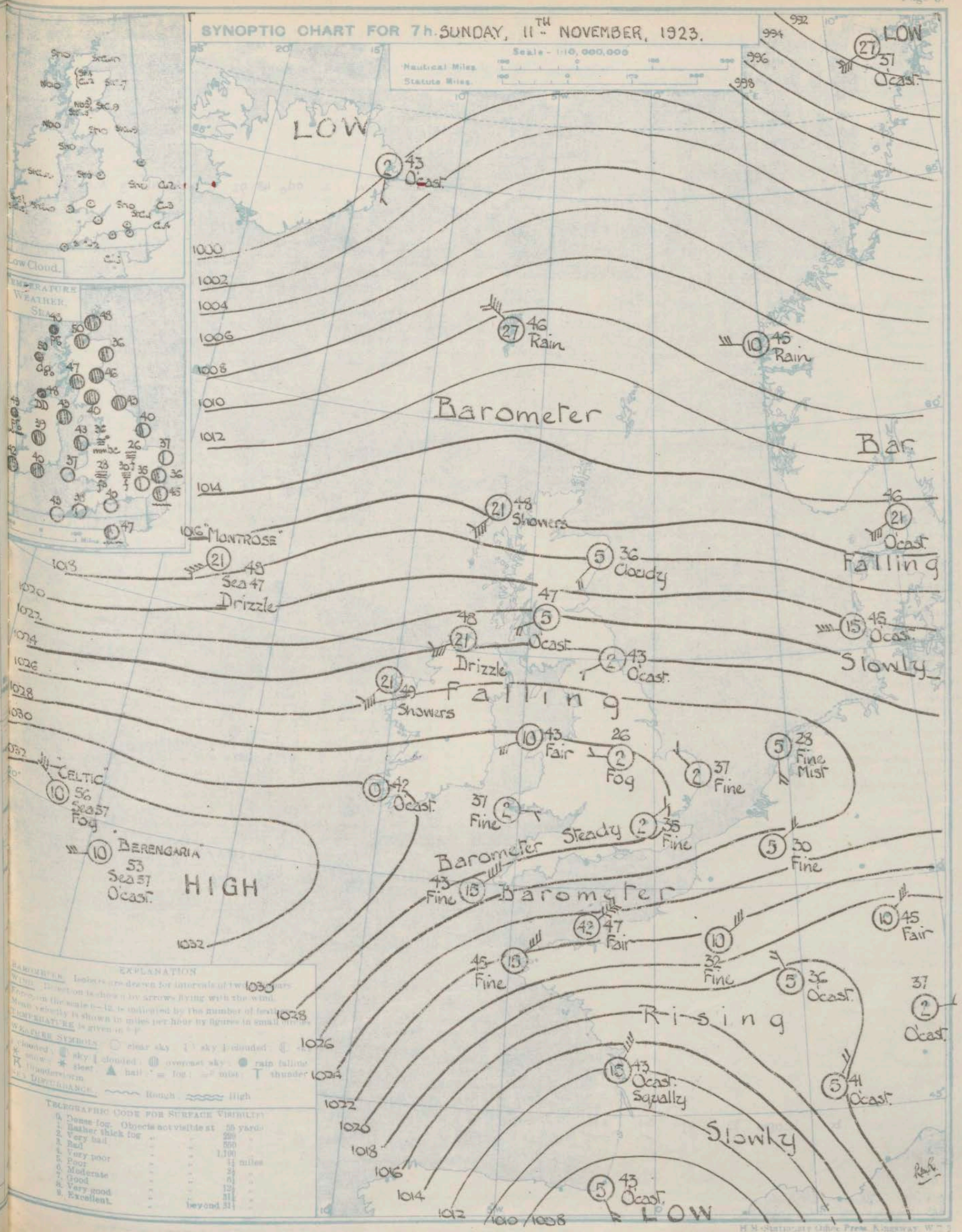
GENERAL INFERENCE.

A narrow ridge of high pressure extending from the Atlantic over the midlands of England is slowly moving southwards. Winds will be westerly in Scotland and may reach gale force in the Hebrides. Over Southern England northeasterly winds will moderate gradually with fair, cold weather.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 11th November, 1923.	Further Outlook.
1. S.E. England △	Fresh or moderate N.E. wind moderating; fine, frost and mist at night with considerable risk of fog locally.	
2. E. England		
3. E. Midlands	Light indefinite winds; fair to cloudy, some mist or fog; temperature rising.	None issued.
4. W. Midlands		
5. S.W. England △	As 1.	------
6. South Wales	As 3 - 4.	
7. North Wales		
8. N.W. England		
9. N. Midlands	Moderate to fresh westerly winds; cloudy, occasional rain or drizzle; visibility poor to moderate; milder.	△ North Cone still flying.
10. N.E. England		
11. E. Scotland		
12. S.W. Scotland		▽ South Cone still flying.
13. Isle of Man		
14. N. & N.W. Scotland ▽	Fresh to strong west to S.W. winds, perhaps reaching gale force; dull, some rain; moderate temperature.	
15. Hebrides ▽		
16. Orkneys and Shetlands ▽		
17. N.W. Ireland		
18. N.E. Ireland	As 7 - 13.	
19. S.E. Ireland	Light indefinite or westerly winds; cloudy, drizzle locally; some mist or fog; milder.	
20. S.W. Ireland		

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0910 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Sunday, 11th November.....1923. No. 315

Observations at 0100 G.M.T. 11

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.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1013·6	0	WNW	2	bc/r	47	85	6	-	-	0	a.St	6
Stornoway	51	1020·5	-2	W	4	0	•	•	5	•	•	•	•	•
Wick	81	1018·0	-2	WSW	3	0	48	92	8	1500	St	6	a.St	10
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	48	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1026·6	-2	SW	4	0	47	85	7	5700	St.Cu	10	-	10
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1024·8	-2	WSW	4	o/f	44	97	8	•	St	10	-	10
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1027·5	-2	W	1	b/f	38	85	6	-	-	0	-	0
Blacksod Point ...	10	1029·3	-1	SSW	5	0	49	85	9	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1030·5	-1	-	0	b-	39	85	8	-	-	0	-	0
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1028·6	0	WNW	2	b	39	92	7	-	-	0	-	0
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1029·4	+1	NNW	3	b	33	97	6	-	-	0	-	0
Gorleston	13	1027·6	0	NE'N	4	bc r	45	65	7	4000	St.Cu	4	-	4
Valencia (Cahirciveen)	30	1021·8	+1	-	0	0	44	97	9	--	St	10	-	10
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	140	1030·1	+1	NE	3	b	40	85	7	-	-	0	-	0
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	18	•	•	•	•	•	40	•	•	•	•	•	•	•
Croydon	244	1026·5	0	NE	3	b+	39	85	6	-	-	0	a.Cu	2
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1024·9	+2	NE	4	b	39	75	7	-	-	0	a.St	3
Scilly (St. Mary's) ...	131	1026·7	0	NE	5	b	45	75	8	-	-	0	-	0
Falmouth (Pendennis)	206	1026·1	0	N	5	b	39	85	8	-	-	0	-	0
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1024·9	+2	NE	6	b	40	75	7	-	-	0	-	0
Southampton (Calshot)	12	1026·6	+1	NE'N	4	b	39	85	8	-	-	0	-	0
Dungeness	21	1024·5	+2	ENE	6	b	46	85	8	2500	Cu	2	-	2
Guernsey														

Observations at 0700 G.M.T. 11

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea 0-9
Lerwick	1012·2	-2	W	2	od₀	48	92	6	4000	Nb	3	ASt	10	1
Stornoway	1015·6	-2	SW	M3	o pr.	48	92	7	450	St	10	-	10	2
Wick	1015·3	-2	SW	1	0	48	85	8	5700	St.Cu	10	-	10	0
Castlebay	1019·2	-1	WSW	4	odd.	50	97	5	800	Nb	10	-	10	4
Nairn	1015·3	•	W	4	bc	50	75	8	1500	St	6	-	6	•
Aberdeen	1018·3	-3	SW	2	c	36	97	7	2500	St.Cu	7	-	7	0
Malin Head	1023·6	-2	WSW	4	oDD	48	97	5	2500	Nb	10	-	10	1
Renfrew	1023·1	-3	WSW	2	0	47	92	6	1500	Nb	10	-	10	•
Edinburgh (Inchkeith)	1020·9	-3	WSW	4	0	46	97	8	•	St.Cu	9	a.St	10	2
Leuchars	1019·7	-3	WSW	4	0	45	92	8	5700	St.Cu	9	a.St	10	•
Eskdalemuir	1024·7	-2	SW'S	4	0	40	92	5	800	St	10	-	10	•
Tynemouth	1024·3	-4	WSW	1	0	43	75	7	4000	St.Cu	9	-	9	•
Blacksod Point ...	1025·9	-2	SW	5	o pr	49	97	3	•	•	•	•	10	6
Donaghadee	1025·5	-2	SSW	2	o+	43	85	7	450	St	10	-	10	2
Birr Castle	1028·3	•	SE	1	o+	39	97	5	1500	St.Cu	10	-	10	•
Holyhead	1028·4	-1	W'S	3	bc+	45	85	8	4000	St	3	a.Cu	5	0
Liverpool (Bidston) ...	1027·9	-1	SW	2	mmbc	36	85	5	-	-	0	Ci.Cu	4	3
Chester (Shotwick) ...	1028·2	-2	SE	2	fbc	26	97	3	-	-	0	Ci.Cu	4	•
Spurn Head	1027·1	-3	WSW	3	bc	40	92	6	-	-	0	Ci.St	4	1
Birmingham (Edgbaston)	1029·3	0	N	2	FFb	30	97	1	-	-	0	-	0	•
Nottingham	1028·5	0	W	1	FFo	26	97	1	450	St	10	-	10	•
Cranwell	1029·2	0	WSW	3	FFbc	29	97	1	2500	St	2	Ci.St	5	•
Gorleston	1027·5	0	NW	1	b	37	85	7	4000	Cu	2	-	2	0
Valencia (Cahirciveen)	1030·2	-1	-	0	0	42	85	6	1500	St	10	-	10	3
Roches Point	1030·1	0	NW	1	0	40	97	7	1000	St.Cu	10	-	10	0
Pembroke (St. Ann's H.)	1029·3	0	E	1	b	37	92	7	-	-	0	-	0	2
Ross-on-Wye	1029·1	-1	-	0	fbr	28	97	1	-	-	0	-	0	•
Leafield	1029·0	0	NE	2	FFo	27	97	1	450	St	10	-	10	•
Andover	1027·4	0	NE'N	3	b	32	97	8	-	-	0	-	0	•
S. Farnborough ...	1027·5	0	-	0	bc	27	97	7	-	-	0	Ci	4	•
London (Kew Obsy.) ...	1027·7	+1	NNE	1	b	35	85	6	4000	St.Cu	1	-	1	•
Croydon	1027·8	+1	-	0	b	30	97	6	-	-	0	-	0	•
Clacton-on-Sea ...	1026·6	+1	NNW	3	b	36	85	7	1500	Cu	3	-	3	0
Shoeburyness	1027·0	+1	N	1	b	35	85	8	-	-	0	a.Cu	1	•
Grain	1027·3	0	N'E	4	b	38	85	8	-	-	0	a.St	1	0
Lympne	1026·0	+2	NE	3	b	35	85	8	4000	St	2	-	2	•
Scilly (St. Mary's) ...	1027·1	0	NE	4	b	43	75	8	-	-	0	-	0	4
Falmouth (Pendennis)	1026·5	+1	NNE	4	b	38	85	8	5700	St.Cu	2	-	2	1
Plymouth (Cattewater)	1026·7	0	N	3	b	37	85	8	-	-	0	-	0	0
Portland Bill	1025·9	0	NE	4	b	40	85	7	-	-	0	-	0	4
Southampton (Calshot)	1026·8	0	NE'N	3	b	36	85	7	-	-	0	-	0	0
Dungeness	1024·6	+1	ENE	6	bc+	45	75	8	2500	Cu	4	Ci	5	6
Guernsey	1023·5	+2	ENE	8	bc	47	75	8	4000	Cu	5	-	5	6

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 10

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 9-10 °F.	Temperature. Max. Day. 10 °F.	Rainfall.† Night 17h.-9h. 9-10 mm.	Rainfall.† Day 9h.-17h. 10 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 10 hr.
Montrose	bco	coc	33	45	0·4	-		2·0
Berwick-on-Tweed	cm	bc	33	45	-	-		5·2
Llandudno	bc	bbc	42	47	1	-		6·3
Colwyn Bay								
Rhyl	bc	bcbc	38	48	-	-		6·0
Southport	xb	bbcb	36	46	-	-		5·9
Blackpool	bc	bb	35	47	-	-		6·6
Ilkley	xmbc	bc	32	45	-	-		2·8
Harrogate	obc	bcb	30	44	-	-		3·9
Skegness	bc	bc	42	47	3	-		5·8
Aberystwyth ...	rcc	bc	38	46	1	-		7·5
Bath	bbcco	bbc	33	48	-	-		5·6
Leamington Spa ...	bc	bcorm	33	47	0·1	0·1		6·0
Lowestoft	bcbcrf	cbbcc	43	48	1	0·1		5·9
Felixstowe	cp	cbc	42	48	2	0·2		3·0
Southend	opco	opco	37	46	-	2		1·6

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 9-10 °F.	Temperature. Max. Day. 10 °F.	Rainfall.† Night 17h.-9h. 9-10 mm.	Rainfall.† Day 9h.-17h. 10 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 10 hr.
Ilfracombe	oco	ocbc	39	48	-	-		1·1
Bude	chcbc	bbcbc	39	48	-	-		7·2
... ...								
Torquay	b	b	40	49	0·1	-		7·0
Weymouth	b	b	38	49	-	-		7·3
Bournemouth ...	b	b	36	48	-	-		7·4
Portsmouth (S'thsea)	bb	bcof	38	48	0·3	-		5·3
Littlehampton ...	bcm	bcp	38	47	2	-		6·0
Worthing	bc	bc	38	48	2	-		6·3
Brighton	bc	bcr	40	50	3	0·3		5·0
Eastbourne	ocbc	cbcb	40	49	1	-		4·0
Hastings	ocbcc	cbcb	41	48	1	-		3·2
Folkestone	c	c	42	47	-	-		6·3
Dover	cqbcq	bcqcq	43	48	-	-		4·2
Tunbridge Wells ...	bcop	cpbc	38	47	1	1		1·3
Ramsgate	bcb	bbc	41	47	-	-		5·4
Margate	bcb	bc	42	49	-	-		5·8
Deal	obc	bcc	42	47	-	-		4·7

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22635 MONDAY 12th NOVEMBER 1923.

Observations at 1300 G.M.T. 11th

STATIONS (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	State of ground.
Lerwick	1007·9	-6	WSW	2	o/r	48	92	6	5700	SCu	4	ASC	10	*
Stornoway	1009·5	-9	SW	5	o	52	97	7	450	SC	10	-	10	*
Wick	1012·0	-5	WSW	3	o/r	49	97	8	5700	SCu	5	ASC	10	*
Castlebay	1013·9	-6	WSW	4	o/d₀d₀	52	97	4	800	Nb	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1014·1	-4	-	0	or	46	92	1	2500	Nb	10	-	10	1
Malin Head	1018·3	-5	SW	4	od	51	97	7	1300	Nb	10	-	10	*
Renfrew	1019·1	-6	WSW	3	od₀d₀	47	97	5	800	Nb	10	-	10	1
Edinburgh (Inchkeith)	1017·3	-8	WSW	5	or₀	47	97	7	*	SC	9	CiSC	10	*
Leuchars	1016·3	-4	W	5	o/r	49	92	6	1500	SC	7	ASC	10	5
Eskdalemuir	1021·6	-2	SW	5	o	43	92	5	800	SC	10	-	10	1
Tynemouth	1021·1	-4	WSW	1	o	42	85	6	1500	SC	10	-	10	*
Blacksod Point	1024·7	-2	S'W	5	mo	51	97	7	*	*	*	*	10	*
Donaghadee	1022·4	-3	WSW	3	bc-	50	85	8	450	SC	5	-	5	*
Birr Castle	1022·3	*	SW	1	o	47	92	7	4000	Nb	10	-	10	*
Holyhead	1025·7	-2	SW'S	4	o	49	75	[illegible]	5700	SCu	7	ASC	10	0
Liverpool (Bidston)	1025·2	-2	ESE	2	bc	45	70	5	4000	Cu	4	CiCu	6	*
Chester (Shotwick)	1025·7	-3	SE	2	fe-	45	85	4	4000	SC	3	ACu	8	2
Spurn Head	1024·6	-2	SW	3	o+	42	85	6	-	-	0	ACu	9	*
Birmingham (Edgbaston)	1026·7	-4	W	3	c	42	75	6	4000	SCu	4	ASC	8	1
Nottingham	1025·4	-5	W	2	f/b-	37	92	2	-	-	0	CiSC	9	*
Cranwell	1026·3	-1	W'S	3	o	40	92	6	5700	SCu	9	-	9	2
Gorleston	1025·5	-2	NW	1	c+	48	65	6	-	-	0	ACu	8	*
Valencia (Cahirciveen)	1027·9	-3	SSE	2	mmo	49	85	6	1500	SCu	10	-	10	1
Roches Point	1027·4	-2	SW	2	o	48	75	8	-	-	0	CiSC	9	*
Pembroke (St. Ann's H.)	1027·2	-3	-	0	c	46	75	7	-	-	0	ASC	7	
Ross-on-Wye	1026·1	-5	NW	1	o+	42	75	6	-	-	0	Ci	9	1
Leafield														
Andover	1025·3	-3	N'E	3	c+	45	75	8	-	-	0	Ci	7	0
S. Farnborough	1025·4	-4	NE	2	o	47	65	7	-	-	0	Ci	9	1
London (Kew Obsy.)	1025·6	-5	N	2	b	46	65	5	-	-	0	Ci	1	
Croydon	1025·7	-4	NE	3	mc-	44	75	5	-	-	0	CiSC	7	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1025·5	-1	NNE	2	b	47	75	8	-	-	0	CiSC	3	*
Grain	1025·7	-3	NE	4	b	46	75	7	-	-	0	Ci	3	0
Lympne	1024·4	-2	NE'E	5	bc	46	65	8	4000	SCu	1	CiSC	5	1
Scilly (St. Mary's)	1025·7	-2	NE	3	bc-	48	85	8	-	-	0	ACu	5	*
Falmouth (Pendennis)	1028·1	-4	NNE	3	b	45	65	8	5700	SCu	3	-	3	*
Plymouth (Cattewater)	1025·3	-4	N	1	b-	47	65	7	-	-	0	CiSC	1	0
Portland Bill	1024·1	-4	NE	4	b+	47	75	7	-	-	0	Ci	3	*
Southampton (Calshot)	1025·4	-4	NE	4	b	47	73	7	-	-	0	CiSC	2	0
Dungeness	1023·8	-2	NE	5	bc+	49	75	8	-	-	0	CiCu	6	*
Guernsey	1022·6	+1	ENE	5	c	48	92	8	1500	Cu	7	-	8	*

Observations at 1800 G.M.T. 11th

STATIONS	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	997·2	-15	SSW	3	orr	49	97	5	4000	Nb	10	-	10	2
Stornoway	1003·5	-7	S	7	od	55	97	6	450	SC	10	-	10	6
Wick	1001·8	-9	SW	4	c/r	53	92	8	5700	SCu	5	CiSC	7	0
Castlebay	1009·9	-4	WSW	4	mo-	52	97	3	800	SC	10	-	10	4
Nairn	1005·9	*	W	5	c+	54	85	8	1500	St	8	-	8	*
Aberdeen	1008·4	-7	SW	2	o	49	92	5	2500	SCu	10	-	10	0
Malin Head	1014·2	-4	SW	5	od	54	97	7	1300	SC	10	-	10	3
Renfrew	1014·6	-7	WSW	3	od₀d₀	49	97	6	220	Nb	10	-	10	*
Edinburgh (Inchkeith)	1012·1	-4	WSW	4	o/r	49	97	8	*	-	0	ASC	10	2
Leuchars	1011·1	-6	W	6	o	49	92	7	1500	SC	10	-	10	*
Eskdalemuir	1017·2	-2	S'W	4	odd	45	97	3	<150	Nb	10	-	10	*
Tynemouth	1017·1	-3	WSW	1	or₀	47	85	6	300	Nb	9	-	9	1
Blacksod Point	1019·0	-1	S'W	5	mo-	52	97	7	*	*	*	*	10	6
Donaghadee	1017·7	-2	SW	4	c+	50	92	7	450	SC	8	-	3	3
Birr Castle	1021·2	*	SW	1	o	48	97	4	2500	Nb	10	-	10	*
Holyhead	1022·0	-2	SW'S	4	o	49	85	[illegible]	4000	SC	10	-	10	1
Liverpool (Bidston)	1021·9	-3	S'W	1	o+	44	85	6	2500	SCu	10	-	10	2
Chester (Shotwick)	1022·3	-3	SE	2	o+	42	85	4	4000	SCu	10	-	10	*
Spurn Head	1021·6	-2	SSW	3	fbc+	41	92	3	220	SC	5	-	5	1
Birmingham (Edgbaston)	1024·1	-3	SW	2	bc+	38	85	6	-	-	0	ACu	4	*
Nottingham	1023·1	-2	WSW	2	b	37	92	5	-	-	0	-	0	*
Cranwell	1023·3	-2	WSW	3	c	39	92	6	4000	SC	7	-	7	*
Gorleston	1024·5	-1	SW	1	b-	39	85	6	-	-	0	ASt	3	0
Valencia (Cahirciveen)	1024·3	-3	SSE	1	odd	49	92	5	450	SC	10	-	10	3
Roches Point	1023·8	-3	SW	1	o	49	85	8	-	-	0	ASC	10	0
Pembroke (St. Ann's H.)	1024·2	-3	-	0	bc	47	75	7	4000	SCu	4	-	4	2
Ross-on-Wye	1024·3	-1	-	0	c+	36	92	5	-	-	0	ACu	8	*
Leafield	1025·3	0	S'E	3	bc+	34	92	4	7200	SCu	3	ACu	6	*
Andover	1024·9	0	N	1	b-	35	92	8	-	-	0	Cu	1	*
S. Farnborough	1025·2	0	=	0	bom	33	97	5	-	-	0	-	0	*
London (Kew Obsy.)	1024·9	+1	-	0	c	39	85	5	800	SC	8	-	8	*
Croydon	1025·1	+1	SSE	1	f₀f₀	34	97	4	-	-	0	Ci	9	*
Clacton-on-Sea	1025·0	0	NW	2	f₀bc	42	85	6	-	-	0	ACu	5	0
Shoeburyness	1024·9	0	-	0	b	38	85	6	-	-	0	CiSC	1	*
Grain	1024·0	0	NE'N	3	b	42	85	8	-	-	0	ASC	1	0
Lympne	1023·9	0	NE	3	bc	38	75	7	4000	SCu	4	ASC	6	*
Scilly (St. Mary's)	1024·4	-2	NE	3	bc	45	85	8	-	-	0	CiCu	4	3
Falmouth (Pendennis)	1024·5	+1	NE'N	1	b	43	75	8	5700	SCu	3	-	3	1
Plymouth (Cattewater)	1024·9	0	-	0	b	42	65	7	-	-	0	CiSC	3	0
Portland Bill	1013·7	0	NE	4	b	43	75	7	-	-	0	ACu	3	4
Southampton (Calshot)	1025·0	0	NNE	2	b	41	85	6	-	-	0	ASC	3	0
Dungeness	1024·3	+1	NE	4	bc+	45	75	8	-	-	0	Ci	4	4
Guernsey	1022·2	0	ENE	8	b	43	85	8	-	-	0	-	0	7

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass. °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs. Yesterday	Humidity 15h. G.M.T. % Yesterday	Humidity 9h. G.M.T. % To-day
		24 HOURS ENDED 0900 G.M.T. 12th										
Kew / 24 hours ended 0700	18	b3xbz	b3zmd	cmxof	*	*	23	-	-	6·4	*	*
Croydon / 24 hours ended 0700	244	bcxmf	c3zm	bmx	*	*	17	-	-	5·3	*	*
Greenwich (Royal Obsy.)	149	cm	cbcim	b/x	47	26	14	*	*	6·7	71	88
City (Bunhill Row)	89	*	*	*	*	*	*	*	*	0·5	*	*
Westminster (St. James' Pk.)	27	*	*	*	47	29	24	-	-	3·8	68	90
Regent's Pk. (Botanic Gdns).	—	*	*	*	*	*	*	*	*	6·3	*	*
Camden Square	110	b	bc	*	48	29	26	-	-	*	*	98
Kensington Palace	88	bc'c	c	*	46	28	23	-		*	(At 18h)	100
Hampstead Observatory	450	*	*	*	45	29	17	-	b3	6·1	83	92

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 11th

	Max.	Time.	Min.	Time.
South Kensington	-	-	-	-
Kew Observatory	-	-	-	-

POLE STAR RECORD at Greenwich Obsy.

Exposure from 11th 17 h. 15 m. to 12th 06 h. 17 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13 00	10·30	81
δ Ursae Minoris	13·00	10·22	80

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Hoar frost (including to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	cc₂	6	-	155°
18h.	c₁c₂	6	-	140°
01h.	c₁c₂	6	-	120
07h.	cc₁	6	-	170

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

12th & 13th NOVEMBER, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·10 / 7·12	11·37 / 11·37	4·4 / 4·3
Greenwich	7·14 / 7·16	11·44 / 11·44	4·14 / 4·13
Wick	7·55 / 7·58	11·56 / 11·56	3·57 / 3·55
Valencia	7·57 / 7·59	12·15 / 12·15	4·53 / 4·51

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = 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; − = "decreasing"; + = "increasing."

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.

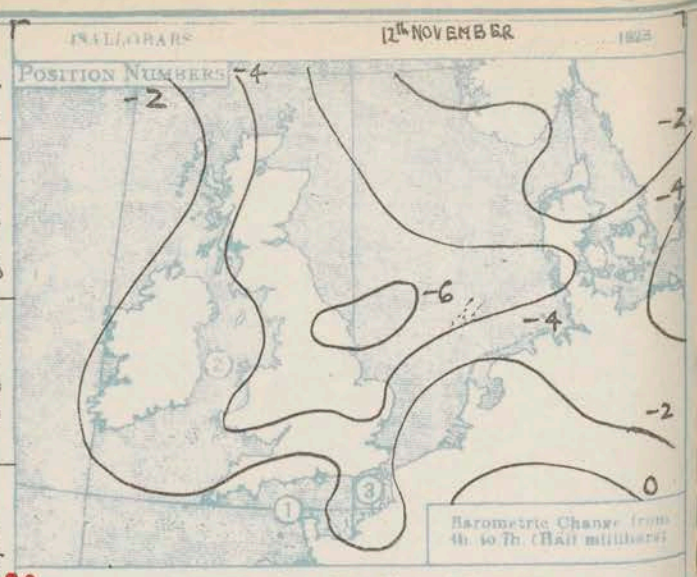
SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 11th	13h.-18h. 11th	18h. 11th to 1h. 12th	1h.-7h. 12th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 11th Hours.
Lerwick	opr	omr	omp	bcpr	49	45	•	8	9	<0800	<21·00	0·0
Stornoway	oo	p	r-d	c	55	46	•	1	6	1430	-	0·0
Wick	opr	op	cobr	oid	54	48	•	0·2	2	0900	22.00	•
Castlebay ...	ddff	dfof	dfrr	rro	52	49	•	0·6	4	-	-	0·0
Nairn	cprgg	cgg	cirg	irog	54	50	•	0·6	4	11·00	<2100	0·1
Aberdeen	comfrff	oirf	omo	oo	49	49	47	1	-	1100	-	0·0
Malin Head	oimd	oimd	doog	ogR	54	50	•	0·3	4	<0800	04·30	0·0
Renfrew	omdd	omddg	odod	orog	49	49	49	Trace	3	1100	<2100	0·0
Edinburgh(Inchkeith)	oo	ir	ir	rr	50	49	49	Trace	3	1330	0430	0·0
Leuchars	oop	ofmo	oo	oorr	49	49	47	Trace	1	1230	-	0·0
Eskdalemuir	om	omd	odfir	oirm	45	44	44	1	5	15·30	<2100	0·0
Tynemouth	om	oo	oro	mp	50	42	40	Trace	2	17·30	<2400	•
Blacksod Point ...	f-m	f-m		f-m	53	47	•	1	4	-	-	•
Donaghadee	c	cgp	c	o	51	50	•	Trace	0·1	16·30	<2100	•
Birr Castle	ocoT	o	oc	cpro	49	49	45	-	0·1	-	05·30	0·0
Holyhead	bcco	oo	idoid	odrir	49	49	47	-	3	-	<2100	0·4
Liverpool (Bilston) ...	f-m	cm		oo	52	36	32	-	-	-	-	~~0·2~~
Chester (Shotwick) ...	bcocf	cmom	omq	oq	46	41	40	-	-	-	-	0·6
Spurn Head	bcco	ocmbf	ffbob	c	44	39	•	-	-	-	-	2·8
Birmingham(Edgbaston)	bfbcm	cbcm	bccb	p-bcc	45	35	31	-	-	-	-	4·0
Nottingham	f-m	cm	b	b-bc	40	35	30	-	-	-	-	0·0
Cranwell	bcfcm	ocm	b-bc	bbcc	43	35	29	-	-	-	-	3·4
Gorleston	bcjc	cbc	bx	bbcx	48	33	29	-	-	-	-	5·5
Valencia (Cahirciveen)	ora	omomd	odm	odmom	50	49	47	0·3	3	16·30	<2100	0·0
Roches Point	oco	o	oborr	rro	50	48	•	-	2	-	01·30	•
Pembroke(St.Ann's H.)	bcc	bbc	b-bc	bcc	49	46	•	-	-	-	-	6·1
Ross-on-Wye	Fxbmcm	obbc	ocbiv	bxcx	44	33	24	Trace	-	-	-	3·2
Leafield	fbc	bcc		bbcmx	41	27	19	-	-	-	-	5·3
Andover	moo	cbcb	bbmx	bcffx	46	20	15	-	-	-	-	6·8
S. Farnborough ...	bbcc	cbcbm	bcx	bmbcx	48	22	13	-	-	-	-	6·5
London (Kew Obsy.) ...	bjxbj	bjcmmx	cmxofx	offx	46	27	23	-	-	-	-	6·4
Croydon	bcxmfj	cozm	bmx	bbcmx	45	23	17	-	-	-	-	5·3
Clacton-on-Sea ...	bc	bcm	bcbm	bmofx	47	31	27	-	-	-	-	7·5
Shoeburyness	b	bc	b	offxbm	47	22	18	-	-	-	-	7·7
Grain	b	bbcb	bbxm	bbcxm	46	24	18	-	-	-	-	7·9
Lympne	bbc	cobc	bcb	bcom	48	32	18	-	-	-	-	8·5
Scilly (St. Mary's) ...	b	bcc	b	bcc	48	39	•	-	-	-	-	7·0
Falmouth (Pendennis)	bc	bc	bcb	bbc	46	35	•	-	-	-	-	7·2
Plymouth(Cattewater)	b	b	b	b	50	29	16	-	-	-	-	7·4
Portland Bill	b-bc	bbc	b-bc	b-bc	50	37	•	-	-	-	-	•
Southampton(Calshot)	b-bc	bcmcbm	bm	bm	48	30	28	-	-	-	-	8·1
Dungeness	c	b-bc	b-bc	c	49	39	•	-	-	-	-	•
Guernsey	bcc	cbcbgj	b	bbccm	49	39	•	-	-	-	-	•



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility.
2	11th 1015	Hibernia	S	2	o	48	52	8
3	12th 0200	?	-	0	bc	40	53	6

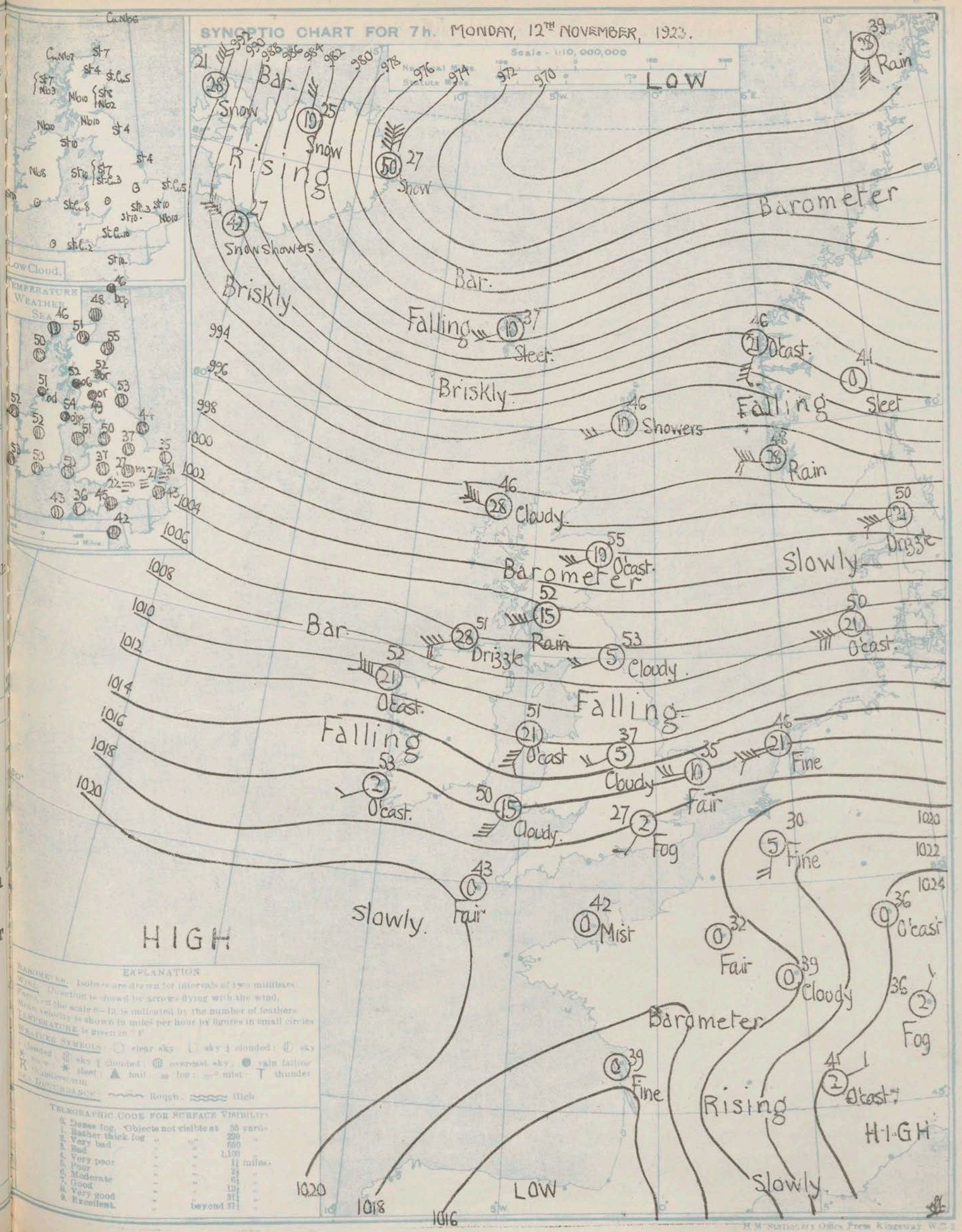
GENERAL INFERENCE.

The ridge of high pressure has moved southwards and the British Isles have come under the influence of depressions in the North. Winds will be mainly westerly and weather unsettled with with a marked rise of temperature in the South.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 12th November, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England	Wind SW. to W., moderate, fresh in places; cloudy, some rain or drizzle; visibility poor to moderate; milder.	Unsettled. -----
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind westerly, fresh or strong; some rain early, bright intervals later; visibility moderate; rather mild; then colder.	▽ South Cone still flying. ▼ South Cone hoisted 1430 GMT 11/11/23.
11. E. Scotland ▼ 12. S.W. Scotland ▼ 13. Isle of Man 14. N.& N.W. Scotland ▽ 15. Hebrides ▽ 16. Orkneys and Shetlands ▽ 17. N.W. Ireland ▼ 18. N.E. Ireland ▼	Wind W. to NW. strong, touching gale force in places; some rain or sleet, fairer intervals; visibility moderate; rather mild, then colder.	----
19. S.E. Ireland 20. S.W. Ireland	Wind westerly, moderate or fresh; cloudy, some rain; visibility moderate; colder temporarily.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0920 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION....MONDAY....12th NOVEMBER.....1923. No.316....

Observations at 0100 G.M.T. 12th

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.	Humidity. %	Visibility§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	994.2	+1	NNW	7	od	50	92	6	4000	Nb	10	-	10
Stornoway	51	1001.0	-3	SW	5	rr	•	•	+	•	•	•	•	•
Wick	81	999.1	0	WNW	3	o/r	52	97	8	2500	CuNb	4	ASt	10
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1004.6	-3	WSW	6	o	53	92	8	2500	St	10	-	10
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1007.4	-4	SW	5	or	53	97	8	•	St	10	-	10
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1011.1	-4	WSW	3	ojp	51	92	7	800	Nb	10	-	10
Blacksod Point	10									•	•	•	•	
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1007.7	-5	SSW	6	odd	50	97	6	450	Nb	10	-	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1016.9	-5	SW	5	b	40	92	6	-	-	0	-	0
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1019.1	-4	SW	4	b	39	85	6	-	-	0	-	0
Gorleston	12	1021.0	-1	SW'W	2	b	36	92	7	-	-	0	-	0
Valencia (Cahirciveen)	30	1019.4	-6	WSW	2	mmo	45	97	4	-	St	10	-	10
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Anu's H.)	149	1020.7	-3	SSW	3	b	48	85	8	4000	StCu	3	-	3
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	29	•	•	•	•	•	•	•
Croydon	244	1022.0	-3	-	0	b	27	97	5	-	-	0	-	0
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1021.6	-3	SW'S	2	b	33	85	7	4000	StCu	2	-	2
Scilly (St. Mary's)	131	1022.0	-2	ESE	2	b	42	85	8	-	-	0	-	0
Falmouth (Pendennis)	200	1024.2	-2	~~SSE~~	1	b	36	75	8	-	-	0	-	0
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1023.1	-2	NE	2	b	39	85	7	-	-	0	-	0
Southampton (Calshot)	12	1022.4	-1	NNW	2	mbr	36	92	5	-	-	0	-	0
Dungeness	21	1021.8	-2	S	2	b	39	92	7	-	-	0	-	0
Guernsey														

Observations at 0700 G.M.T. 12th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	992.4	-3	NSW	3	bcp	46	97	6	4000	CuNb	9	-	6	2
Stornoway	997.3	-2	WNW	6	c	46	92	7	4000	CuNb	9	-	7	5
Wick	995.5	-4	WNW	2	o/r	48	97	9	450	St	7	ASt	10	0
Castlebay	1002.1	-1	WNW	5	o/r	50	85	7	1500	St	10	-	10	4
Nairn	997.4	•	W	3	o/r	51	92	7	1500	St	9	-	9	•
Aberdeen	998.4	-4	SW	3	o	55	85	8	2500	StCu	•	ASt	10	0
Malin Head	1006.0	-2	WSW	6	odd	51	97	6	2500	Nb	10	-	10	5
Renfrew	1004.9	-4	WSW	4	orc	52	92	6	1500	Nb	10	-	10	•
Edinburgh (Inchkeith)	1003.8	-4	WSW	5	orr	52	97	8	•	St	10	-	10	3
Leuchars	1003.8	-4	WSW	5	or	52	92	7	1500	Nb	10	-	10	•
Eskdalemuir	1003.8	-5	SW	6	or	49	97	6	800	Nb	10	-	10	•
Tynemouth	1006.5	-4	SW	2	c/r	53	85	6	800	St	4	ACu	0	0
Blacksod Point	1011.3	-2	W'N	5	bor	52	97	3	•	•	•	•	10	7
Donaghadee	1009.7	-3	SW	2	o/p	54	92	7	450	St	10	-	10	2
Birr Castle	1004.6	•	SW	2	c	52	92	5	2500	Nb	8	-	8	•
Holyhead	1010.0	-3	SSW	5	o/r	51	97	5	1500	St	10	-	10	4
Liverpool (Bidston)	1012.4	-4	SW	4	o	50	85	7	2500	St	10	-	10	4
Chester (Shotwick)	1013.0	-2	SW	6	o	51	85	8	4000	StCu	9	-	0	•
Spurn Head	1011.7	-6	SW'W	5	o	44	85	6	1500	St	4	ACu	9	1
Birmingham (Edgbaston)	1013.5	-4	SSW	3	c	37	85	7	-	-	0	ASt	9	•
Nottingham	1014.8	-4	SW	2	o+	37	85	5	-	-	0	Ci	8	•
Cranwell	1014.4	-5	WSW	4	c+	40	92	6	5000	StCu	8	-	8	•
Gorleston	1016.7	-2	SW	3	bc+	35	85	6	5000	StCu	2	-	5	0
Valencia (Cahirciveen)	1016.1	-3	SW	1	o	53	92	6	450	St	10	-	10	3
Roches Point	1015.9	-3	SW	1	o-	50	97	7	-	-	0	ASt	9	0
Pembroke (St. Anu's H.)	1016.9	-4	SSW	4	c	50	85	8	4000	StCu	8	-	8	3
Ross-on-Wye	1016.5	-4	SSW	2	c+	37	85	6	-	-	0	Ci	8	•
Leafield	1017.9	-7	SW	2	mb-	27	97	5	5000	StCu	3	-	5	•
Andover	1019.8	-2	N	1	ffbc	22	97	2	-	-	0	Ci	4	•
S. Farnborough	1019.7	-2	SSW	2	fmk	22	97	6	-	-	0	Ci	10	•
London (Kew Obsy.)	1019.3	-1	SSW	1	ff-o	27	97	1	1500	St	10	-	10	•
Croydon	1019.7	-2	SSW	3	bc+	32	97	6	-	-	0	Ci	4	•
Clacton-on-Sea	1018.7	-4	NW	2	mb+	31	97	4	<150	St	10	-	10	0
Shoeburyness	1019.2	+1	WSW	2	mbc	33	85	4	-	-	0	CiSt	4	•
Grain	1019.5	-1	-	0	bc+	30	92	4	2500	St	2	CiSt	5	0
Lympne	1019.3	-3	SW	3	o	40	92	5	800	St	10	-	10	•
Scilly (St. Mary's)	1019.8	-2	-	0	bc	43	92	7	-	-	0	ACu	6	2
Falmouth (Pendennis)	1019.7	-1	N	1	b	36	97	8	7000	StCu	2	-	2	0
Plymouth (Cattewater)	1019.8	0	N	1	bc+	30	85	6	-	-	0	ACu	9	0
Portland Bill	1018.6	-6	-	0	o+	45	85	7	4000	StCu	10	-	10	0
Southampton (Calshot)	1019.4	+1	N'W	2	mmb	31	97	4	-	-	0	Ci	10	0
Dungeness	1018.4	-2	S	4	o+	43	92	7	2500	Nb	10	-	10	4
Guernsey	1018.7	-2	-	0	o	42	97	8	2500	St	10	-	10	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR.....1923.....

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 10th-11th	Temperature. Max. Day. 11th	Rainfall.† Night 17h.-9h. 10th-11th	Rainfall.† Day 9h.-17h. 11th	Sunshine.	Sunshine. Sunrise to Sunset. 11th
			°F.	°F.	mm.	mm.		hr.
Montrose	orc	ro	39	51	Trace	1		0.0
Berwick-on-Tweed	ccmb	mrrc	38	48	-	0.4		0.0
Llandudno	o	c	32	51	-	-		0.6
Colwyn Bay								
Rhyl	c	c	31	49	0.2	-		0.5
Southport	mxco	oco	30	47	-	-		1.0
Blackpool	mc	co	30	49	-	-		0.6
Ilkley	xmbc	cmco	29	47	-	-		0.6
Harrogate	c	c	33	45	0.1	-		2.0
Skegness	xbmb	bm	29	43	Trace	-		2.8
Aberystwyth	occ	bc	31	48	-	-		4.2
Bath	fcbc	bbcf	27	38	-	-		5.6
Leamington Spa	of	of	24	34	-	-		0.0
Lowestoft	bcob	bbcbc	36	47	-	-		6.4
Felixstowe	bcm	bcmbc	35	48	-	-		7.1
Southend	mbcb	bbf	33	48	-	-		7.4
Ilfracombe	b	b3	42	45	-	-		5.6
Bude	xbb	bc	31	47	-	-		7.0
Torquay	b	b	38	43	-	-		7.2
Weymouth	b	b	34	48	-	-		7.7
Bournemouth	b	b	32	48	-	-		7.7
Portsmouth (S'thsea)	b	b	35	48	-	-		7.4
Littlehampton	bc	bc	33	47	-	-		7.8
Worthing	b	b	36	47	-	-		8.1
Brighton	b	b	37	51	-	-		7.6
Eastbourne	b	b	34	50	-	-		8.1
Hastings	b	bbc	35	49	-	-		8.4
Folkestone	bc	bc	33	46	-	-		8.2
Dover	b	b	43	53	-	-		8.4
Tunbridge Wells	b	b	34	49	Trace	-		7.7
Ramsgate	b	b	43	48	-	-		8.3
Margate	b	b	44	48	-	-		8.3
Deal	bb	bb	44	46	-	-		8.4

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22,636. Tuesday, 13th November, 1923. Page 1

Observations at 1300 G.M.T. 12th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	989·7	−2	WSW	8	cph₀	47	92	6	4000	CuNb	7	ACu	8	•
Stornoway	997·0	0	WNW	6	cPH	47	92	7	1500	Nb	8	–	8	•
Wick	994·8	0	WNW	5	cpr₀	43	85	8	2500	CuNb	7	–	7	•
Castlebay	1002·4	0	W	5	o	46	75	7	1500	St	10	–	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	997·9	0	W	3	c	50	75	8	1500	St	7	–	7	1
Malin Head	1005·9	0	WNW	4	od₀	48	85	7	4000	Nb	7	ASt	10	•
Renfrew	1002·6	−2	WSW	5	o/r	49	75	7	800	Nb	10	–	10	2
Edinburgh (Inchkeith)	1000·6	0	WSW	5	c	50	85	8	•	Cu	2	CiSt	8	•
Leuchars	999·1	+0	WSW	5	o	51	75	8	4000	StCu	3	ASt	10	1
Eskdalemuir	1002·6	−4	WSW	7	o	49	85	8	1500	StCu	7	CiSt	10	2
Tynemouth	1004·1	−1	SW	2	od₀	54	92	5	800	Nb	10	–	10	•
Blacksod Point	1003·7	−1	WNW	4	o/f	51	92	3	•	•	•	•	10	•
Donaghadee	1008·0	−1	W	2	od₀	50	97	7	450	St	10	–	10	•
Birr Castle	1010·6	•	SW	1	or₀r₀	53	92	6	4000	Nb	10	–	10	•
Holyhead	1009·4	−4	SW'S	5	orr	52	97	6	220	Nb	10	–	10	2
Liverpool (Bidston)	1008·8	−3	SW	5	o	52	85	8	1500	Nb	10	–	10	•
Chester (Shotwick)	1010·0	−3	SW	3	od₀	55	85	8	1500	St	10	–	10	2
Spurn Head	1008·4	−3	SSW	4	o	48	85	6	5700	StCu	6	CiSt	10	•
Birmingham (Edgbaston)	1011·8	−6	SSW	4	c−	47	75	6	4000	StCu	8	–	8	1
Nottingham	1010·2	−5	SW	4	o	48	85	6	2500	Nb	10	–	10	•
Cranwell	1010·9	−5	SW'W	5	o	49	92	6	1000	StCu	10	–	10	1
Gorleston	1013·2	−2	SW'S	4	c	49	55	6	5700	StCu	8	–	8	•
Valencia (Cahirciveen)	1012·6	−4	SW'S	3	or₀r₀	53	97	6	450	St	10	–	10	2
Roches Point	1012·7	−3	SW	3	o	52	97	6	450	St	10	–	10	•
Pembroke (St. Ann's H.)	1013·4	−3	SSW	5	c	49	92	7	1500	Nb	8	–	8	•
Ross-on-Wye	1012·2	−7	SW	3	o	53	75	6	4000	StCu	3	Ci	9	1
Leafield	1013·2	−4	SSW	4	o+	45	65	8	–	–	0	CiSt	9	•
Andover	1015·8	−2	SSW	4	c/f	46	85	6	–	–	0	ASt	8	1
S. Farnborough	1015·6	−4	SW'W	4	mmo	48	85	6	–	–	0	Ci	10	1
London (Kew Obsy.)	1015·0	−4	SSW	3	om−	46	85	6	–	–	0	Ci	9	1
Croydon	1015·6	−3	SW'W	3	c	48	75	6	–	–	0	CiSt	8	1
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1014·9	−5	SW	4	bcm−	48	75	6	5700	Cu	2	CiSt	5	•
Grain	1015·0	−4	SSW	5	c+	49	75	6	–	–	0	CiSt	7	1
Lympne	1015·6	−5	WSW	4	o	46	85	5	450	St	10	–	10	0
Scilly (St. Mary's)	1016·6	−2	SW'W	3	c−	51	85	7	–	–	0	Ci	7	•
Falmouth (Pendennis)	1016·4	−4	WSW	3	bc+	50	75	8	4000	StCu	5	–	5	•
Plymouth (Cattewater)	1016·1	−5	–	0	c	49	85	6	–	–	0	Ci	8	0
Portland Bill	1016·2	−4	WSW	3	c−	51	65	7	–	–	0	ACu	7	•
Southampton (Calshot)	1016·2	−4	WSW	4	c+	50	75	6	1500	StCu	2	Ci	8	0
Dungeness	1015·8	−4	WSW	5	o	46	85	6	4000	St	10	–	10	•
Guernsey	1016·8	−5	S	1	om−	50	85	6	–	–	0	CiSt	2	•

Observations at 1800 G.M.T. 12th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea.
Lerwick	989·1	0	WSW	8	bcsp	38	92	6	4000	CuNb	5	–	5	7
Stornoway	998·3	+1	WNW	4	cPH	39	92	7	1500	Nb	8	–	8	4
Wick	996·9	+1	W	5	bcpr₀	37	92	8	2500	CuNb	5	–	5	3
Castlebay	1002·7	0	WNW	4	bc−	44	75	7	<150	St	6	–	6	4
Nairn	999·3	•	W	5	bc−	42	75	8	4000	Cu	5	–	5	•
Aberdeen	1000·3	+3	WNW	3	c	44	75	7	1500	St	3	ASt	8	0
Malin Head	1005·7	0	WNW	4	or₀	45	85	7	4000	Nb	6	ASt	10	4
Renfrew	1003·6	+3	W	4	osp	44	85	7	2500	~~St~~ Cu	~~8~~ 9	~~ACu~~	9	•
Edinburgh (Inchkeith)	1001·5	+3	WSW	5	bc−	45	97	8	•	StCu	4	ACu	6	3
Leuchars	1000·9	+2	W	4	bc−	44	85	8	4000	StCu	3	Ci	4	•
Eskdalemuir	1004·2	+2	WSW	5	o	44	75	7	2500	StCu	3	CiSt	10	•
Tynemouth	1004·3	0	W	2	c/r	49	85	5	800	St	8	–	8	0
Blacksod Point	1007·3	−2	N'W	4	o	48	85	8	•	•	•	•	10	4
Donaghadee	1007·2	0	W	3	o+	48	92	8	450	St	10	–	10	2
Birr Castle	1007·9	•	WSW	1	oDD	51	97	5	1500	Nb	10	–	10	•
Holyhead	1007·6	−1	SW'W	4	orr	52	97	6	225	Nb	10	–	10	4
Liverpool (Bidston)	1006·7	−1	WSW	3	odd₀	51	97	7	1500	Nb	10	–	10	4
Chester (Shotwick)	1007·7	−3	–	0	o	54	85	6	1500	St	10	–	10	•
Spurn Head	1007·1	0	SW	5	od₀	43	92	5	800	St	10	–	10	2
Birmingham (Edgbaston)	1010·2	−2	SSW	4	o	46	85	6	2500	StCu	10	–	10	•
Nottingham	1008·5	0	SW	4	o	48	75	7	2500	Nb	10	–	10	•
Cranwell	1009·4	0	SW	4	o	49	85	6	1500	St	10	–	10	•
Gorleston	1011·6	−1	SW	3	bc−	45	75	6	5700	StCu	4	–	4	0
Valencia (Cahirciveen)	1009·2	−4	SW	2	or₀r₀	52	97	6	450	St	10	–	10	4
Roches Point	1009·6	−3	SW	3	odd	51	97	7	800	Nb	10	–	10	3
Pembroke (St. Ann's H.)	1011·0	−3	WSW	6	oDD	50	97	6	1500	Nb	10	–	10	5
Ross-on-Wye	1010·8	−3	SW	3	o	47	75	7	2500	StCu	10	–	10	•
Leafield	1011·7	−4	SSW	2	o+	40	85	8	–	–	0	ASt	9	•
Andover	1013·2	−2	WSW	1	bc−	38	97	6	–	–	0	Ci	6	•
S. Farnborough	1012·9	−3	–	0	mmo	43	97	5	–	–	0	Ci	10	•
London (Kew Obsy.)	1012·6	−2	SSW	2	bc−	44	92	5	–	–	0	ASt	5	•
Croydon	1012·7	−3	SSW	4	bc−	43	97	5	–	–	0	CiSt	4	•
Clacton-on-Sea	1012·3	−2	SW	4	c+	46	92	5	–	–	0	ASt	8	1
Shoeburyness	1012·4	−1	SW	4	mb−	45	85	5	–	–	0	Ci	2	1
Grain	1013·0	−2	SSW	4	bc	45	92	5	–	–	0	CiSt	4	0
Lympne	1014·4	−1	W'S	3	bc	44	97	5	–	–	0	CiSt	5	•
Scilly (St. Mary's)	1014·5	−2	SW'W	4	bc	49	92	7	–	–	0	ACu	6	2
Falmouth (Pendennis)	1014·6	−2	WSW	3	bc	48	85	8	4000	StCu	5	–	5	0
Plymouth (Cattewater)	1014·4	−1	SW	3	b	50	85	7	2500	St	6	ASt	10	0
Portland Bill	1015·2	−2	WSW	3	b	50	75	7	–	–	0	–	0	1
Southampton (Calshot)	1013·5	−2	SW'W	3	b−	46	92	6	1500	StCu	1	–	1	0
Dungeness	1012·7	−2	W	3	b−	48	92	7	4000	Cu	3	–	3	3
Guernsey	1016·0	−2	SW	1	minb	47	92	6	–	–	0	CiSt	2	0

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning	Weather Afternoon	Weather Night	Temperature Max. °F.	Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Night	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
		24 Hours ended 0900 G.M.T. 13th										
Kew (24 hours ended 0700)	18	cfrom	amcfbc	bm	•	•	29	–	–	2·4	•	•
Croydon (24 hours ended 0700)	244	bcxm	cou/oc	bcbm	•	•	40	Tr	–	5·4	•	•
Greenwich (Royal Obsy.)	149	c	c	cbmc	50	37	33	–	–	4·3	80	78
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0·0	•	•
Westminster (St. James' Pk.)	27	•	•	•	51	31	30	–	–	0·7	78	75
Regent's Pk. (Botanic Gdns.)	—	•	•	•	•	•	•	•	•	1·5	•	•
Camden Square	110	−x	c	•	51	32	30	–	–	•	•	78
Kensington Palace	80	c	c	•	51	33	33	–	[illegible]	•	(At 18h) [illegible]	80
Hampstead Observatory	450	•	•	•	45	[illegible]	28	–	[illegible]	3·–	[illegible]	90

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre. 24 Hr. ended 1800 G.M.T. 12th

	Max.	Time.	Min.	Time.
South Kensington	5·0	11h 20m	0·6	12h 50m
	3·0	12h 10m		
Kew Observatory	1·3	11h 24m	0·3	12h 13m
	0·8	12h 13m		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 12th 17h 15m to 13th 06h 15m

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13·00	11·00	85
δ Ursae Minoris	13·00	07·3	10

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1800 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.¹

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.	C_1C_2	6	–	25
18h.	C_1C_2	6	–	10°
01h.	C_1C_2	6	–	180°
07h.	C_1C_2	6	–	170°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 13th–14th November, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·12 / 7·14	11·37 / 11·38	4·5 / 4·2
Greenwich	7·16 / 7·18	11·44 / 11·45	4·13 / 4·12
Wick	7·58 / 8·00	11·56 / 11·57	3·55 / 3·53
Valencia	7·59 / 8·1	12·25 / 12·26	4·52 / 4·51

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. Ɯ = 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; − = "decreasing"; + = "increasing."

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.

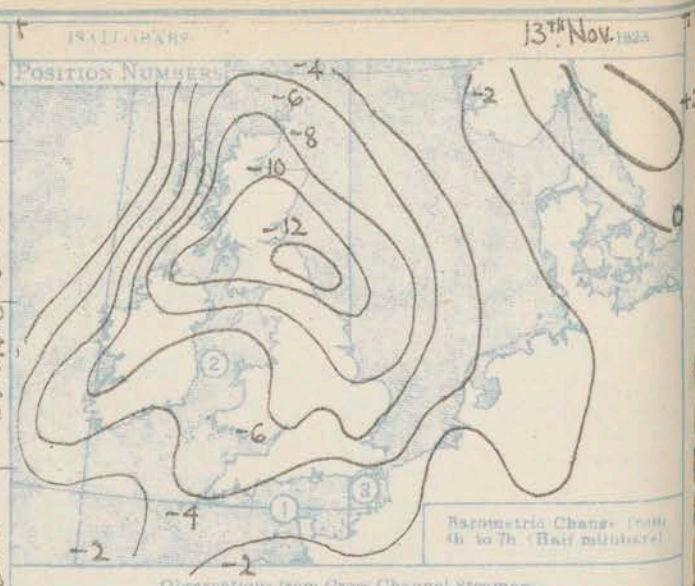
SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea
7=rough sea.
8=very rough sea.
9=mountainous sea

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

¹ For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-13h.	Weather. 13h.-18h.	Weather. 18h.-18h. to 1h.	Weather. 1h.-7h.	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass.	Rainfall. Day. 7h.-18h. mm.	Rainfall. Night. 18h.-7h. mm.	Rainfall. Precipitation began.	Rainfall. Precipitation began.	Sun. Hours.
Lerwick	cpr.q	bcphq	bcphq	o	47	34	.	3	1	<0800	<2100	2.0
Stornoway	p	p	c	r-d	46	35	.	3	3	-	-	2.2
Wick	ocpr.	bcp.q	bcp.o	oo	48	35	.	0.4	0.2	0900	<21.00	.
Castlebay	opo	opbc	bco	orro	50	40	.	0.5	4	-	-	0.0
Nairn	obcqc	cqpq	cdq	cq	51	36	.	0.3	0.5	1630	-	3.1
Aberdeen	oc	c	com	oor.	55	38	35	-	Trace	-	05.30	0.0
Malin Head	oDa.	od.ir	ogrr	omrr	55	39	.	1	12	<0800	22.00	0.0
Renfrew	oirdq	oqp.	op.m	oRSs	53	33	32	0.4	12	<0800	24.00	0.4
Edinburgh (Inobkeith)	c	c	rs rs	rs rs	53	35	34	0.2	9	<0800	01.30	0.5
Leuchars	or.o	oobc	bcbo	ocs rs	53	35	33	trace	6	<0800	02.30	0.6
Eskdalemuir	oir.o	opo	o	oort	51	33	32	3	13	<0800	01.30	0.0
Tynemouth	jdom	idom	om	orrm	55	42	40	0.3	12	<0800	02.30	.
Blacksod Point	f-m	o	p	p	51	42	.	0.6	24	-	-	.
Donaghadee	od	o	o	or	54	43	.	0.1	13	1230	24.00	.
Birr Castle	or.r.	oDD	oDD	oRR	53	47	46	2	7	1100	<2100	0.0
Holyhead	oomrr	rrm	rrm	orrm	53	48	48	14	20	1100	<2100	0.0
Liverpool (Bidston)	oo	r		orq	55	47	44	2	4	1330	<2100	0.0
Chester (Shotwick)	oo	o.o.rom	or.oq	oorq'm	57	48	47	trace	1	~~1100~~ 1230	<2100	0.2
Spurn Head	cqo	oodom	r-d	r-d	49	45		trace	8	1730	<2100	0.0
Birmingham (Edgbaston)	oo	co	oo	oo	50	43	42	-	-	-	-	0.1
Nottingham	oo	o	o	op.	50	47	45	-	0.1	-	0630	0.0
Cranwell	oo	om	oo	omor	50	45	43	-	0.6	-	05.30	0.0
Gorleston	cm	cm	om	omcq	49	43	39	-	-	-	-	2.5
Valencia (Cahirciveen)	omdr	omr	or	orm	53	52	50	8	5	0900	<2100	0.0
Roches Point	ome	omdd	ddom	do	52	50	.	3	1	1430	<2100	.
Pembroke (St. Ann's H.)	cqpr	oqpd	od	oqrr	52	50	.	1	2	1230	03.30	0.0
Ross-on-Wye	cot	o	oq	do	53	46	43	-	-	-	-	1.0
Leafield	bcc	co		co	45	43 ~~38~~	?	-	-	-	-	1.5
Andover	bcfxom	cmbcm	cmoo	oc	48	38	28	trace	0.1	-	-	4.2
S. Farnborough	com	m		oo	51	41	35	-	-	-	-	5.7
London (Kew Obsy.)	cfxom	omcfbcm	bm	bmc3	48	43	39	-	-	-	-	2.4
Croydon	bcxmc	combc	bcbm	bcm	50	42	40	trace	-	-	-	5.2
Clacton-on-Sea	ofbcc	cbccm	com	omcbc	48	43	41	-	-	-	-	5.8
Shoeburyness	bmbcm	bcmbm	bmbcpq	b	49	43	39	-	0.2	-	22.00	5.3
Grain	bmbc	cmbc	bcb	bw	49	44	38	0.2	-	-	-	5.4
Lympne	om	obcmw	bcwom	obccm	46	43	39	trace	trace	-	-	0.2
Scilly (St. Mary's)	c	c	coq	omrq	52	47	.	-	2	-	0430	4.2
Falmouth (Pendennis)	bc	bc	bcco	co	52	48	.	-	Trace	-	0630	3.8
Plymouth (Cattewater)	bcxfc	c	obc	bco	52	49	39	-	-	-	-	3.8
Portland Bill	c	c	b-bc	b-bc	51	50	.	-	-	-	-	.
Southampton (Calshot)	bcm	c	b	bcbc	50	45	42	-	0.1	-	0530	5.7
Dungeness	c	c	c	ob	50	47	.	-	-	-	-	.
Guernsey	bm	bm	bm	bbcc	51	39	.	-	-	-	-	.



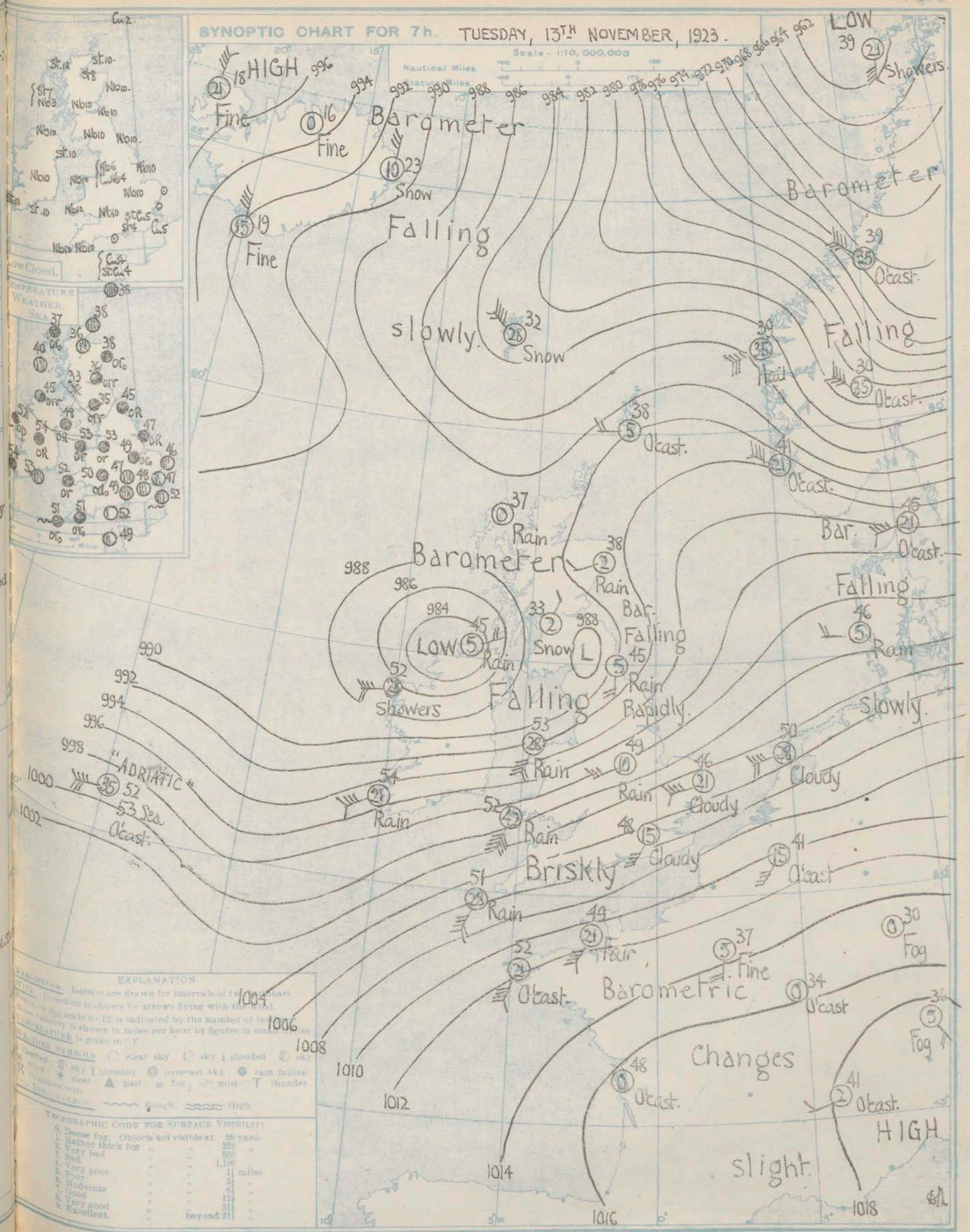
Observations from Cross Channel Steamers.

Position	Date and Time	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	12th 10.00	"Hibernia"	SSW	5	oc	55	54	6
3	13th 02.00	"Dieppe"	WSW	3	bc	52	55	7

General Inference.

A deep depression over North Ireland will move eastward and be associated with rain generally and gales in places, with some snow in the North. Further disturbances are likely to follow, maintaining very unsettled weather.

Districts.	Forecasts for the 24 hours commencing 15h G.M.T. Tuesday, 13th November, 1923.	Further Outlook.
1. N.E. England ▽ 2. E. England ▽ 3. E. Midlands 4. W. Midlands 5. S.W. England ▽ 6. South Wales ▽	Strong SW. to W. wind, a gale in places; rainy at first, bright intervals later; visibility moderate; rather mild then colder.	Unsettled. ----
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind SW. veering NW. temporarily, strong; rainy at first, sleet in places, bright intervals later; rather mild, then colder.	▽ South Cone still flying. ▽ South Cone hoisted 1545 G.M.T. 12/11/23. -------
11. E. Scotland ▽ 12. S.W. Scotland ▽ 13. Isle of Man 14. N. & N.W. Scotland ▽ 15. Hebrides ▽ 16. Orkneys and Shetlands ▽	Variable winds, strong at times; rainy, snow at times; visibility poor to moderate; rather cold.	
17. N.W. Ireland ▽ 18. N.E. Ireland ▽ 19. S.E. Ireland ▽ 20. S.W. Ireland ▽	Wind between W. and S., fresh or strong, a gale in places; cloudy, some rain; visibility moderate; rather mild.	


SYNOPTIC CHART FOR 7h. TUESDAY, 13TH NOVEMBER, 1923.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
HIGH
Fine
Barometer
Falling
slowly.
Snow
Fine
Show
Fine
LOW
Showers.
Barometer
Falling
O'cast.
Hail
O'cast.
O'cast.
O'cast.
Bar.
O'cast.
Falling
Rain
Rain
Bar.
Falling
Rapidly.
Slowly.
Cloudy
Cloudy
Cloudy
O'cast
Fog
Fine
O'cast
Fog
Changes
O'cast.
O'cast.
HIGH
slight.
Showers
Rain
Rain
Rain
Rain
Rain
Briskly
Rain
Fair
O'cast.
Barometric
"ADRIATIC"
Sea
O'cast.
LOW
Low Cloud.
TEMPERATURE
WEATHER
SEA
EXPLANATION
TELEGRAPHIC CODE FOR SURFACE VISIBILITY

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Tuesday, 13th. November 1923. No. 317.

Observations at 0100 G.M.T. 13th.

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.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt.* 0-10
Lerwick	54	990·7	+1	N	3	ocPr	39	85	6	4000	CuNb	6	-	6
Stornoway	51	993·9	-3	WNW	3	c	•	•	5	•	•	•	•	•
Wick	81	995·5	-1	WSW	3	o	35	97	8	-	-	0	ASr	10
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	40	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	998·2	-7	SW	2	orr	41	92	7	4000	Nb	10	-	10
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	100	999·7	-1	SW	3	o+	43	92	7	•	Sr	3	ASr	10
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1002·6	-2	-	0	0	46	85	6	800	Sr	10	-	10
Blackrod Point	10	999·7	-9	E	3	oPR	47	92	7	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	28	1001·1	-3	SSW	5	orr	52	97	6	225	Nb	10	-	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1003·3	-5	SSW	4	orr	46	92	7	2500	Nb	10	-	10
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1005·1	-6	SW'S	4	o	47	97	6	1500	StCu	10	-	10
Gorleston	13	1008·6	-2	SW	3	o	45	85	5	-	-	0	ASr	10
Valencia (Cahirciveen)	30	1002·8	-6	WSW	5	orr	43	97	7	-	Sr	10	-	10
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1006·3	-5	SW	6	o/r	51	97	7	2500	Sr	10	-	10
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	298	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	43	•	•	•	•	•	•	•
Croydon	244	1010·6	-3	SW	4	bc+	45	92	6	-	-	0	CiSr	4
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1011·3	-4	WSW	3	o	45	65	6	4000	StCu	10	-	10
Scilly (St. Mary's)	131	1011·5	-3	SW	6	o	51	97	7	4000	Nb	3	ASr	10
Falmouth (Pendennis)	200	1010·7	-4	W'S	5	C+	50	85	8	5100	StCu	7	-	7
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1009·9	-4	WSW	5	bc+	52	85	7	-	-	0	ACu	4
Southampton (Calshot)	12	1011·2	-3	WSW	7	bc+	49	85	7	4000	StCu	4	-	4
Dungeness	21	1011·0	-2	SW	4	o	50	92	7	-	-	0	ASr	10
Guernsey														

Observations at 0700 G.M.T. 13th.

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea 0-9
Lerwick	990·3	-2	W	2	o	38	85	6	4000	Cu	2	ASr	10	1
Stornoway	988·4	-8	-	0	orr	37	97	6	450	Sr	10	-	10	0
Wick	989·3	-7	SSW	3	o	38	92	8	1500	Sr	10	-	10	0
Castlebay	987·3	0	ENE	2	o/r	40	97	8	1500	Sr	10	-	10	3
Nairn	989·1	•	-	0	C+	36	85	7	2500	Sr	8	-	8	•
Aberdeen	991·4	-7	SW	1	orr	38	97	6	2500	Nb	10	-	10	0
Malin Head	983·4	-10	E	2	orr	45	97	5	4000	Nb	10	-	10	5
Renfrew	989·3	-11	NE	1	oss	33	97	3	450	Nb	10	-	10	•
Edinburgh (Inchkeith)	989·8	-10	E	2	orr	36	97	7	•	Nb	10	-	10	1
Leuchars	990·4	-8	E	2	orrs	35	97	7	800	Nb	10	-	10	•
Eskdalemuir	988·8	-12	N	3	orr	35	92	6	1500	Nb	10	-	10	•
Tynemouth	990·9	-12	S	2	oRR	45	97	5	800	Nb	10	-	10	1
Blackrod Point	986·7	-3	W	6	oPR	52	97	7	•	•	•	•	10	•
Donaghadee	997·4	-7	SSW	1	oR	48	97	8	450	Sr	10	-	10	1
Birr Castle	995·2	•	WSW	4	oRR	54	92	5	1500	Nb	10	-	10	•
Holyhead	993·0	-5	SSW	6	orr	53	97	5	4150	Nb	10	-	10	4
Liverpool (Bidston)	992·5	-7	SSW	6	or	53	92	7	1500	Nb	10	-	10	4
Chester (Shotwick)	993·8	-7	SW'S	6	orr	55	85	6	2500	Nb	8	ASr	10	•
Spurn Head	994·7	-9	SW'S	6	oRR	47	97	6	2500	Nb	10	-	10	4
Birmingham (Edgbaston)	999·1	-6	S	6	or	46	92	6	800	Nb	10	-	10	•
Nottingham	997·0	-8	SW	3	oro	49	92	7	1500	Nb	10	-	10	•
Cranwell	997·6	-7	SSW	6	orr	48	97	7	1500	Nb	10	-	10	•
Gorleston	1002·8	-5	SW	5	c-	46	85	6	-	-	0	ASr	7	1
Valencia (Cahirciveen)	995·4	-6	SW	5	orr	54	92	6	800	Sr	10	-	10	4
Roches Point	996·8	-3	SW	4	o	53	97	8	1500	Sr	10	-	10	3
Pembroke (St. Ann's H.)	999·4	-5	SSW	8	orr	52	97	6	1500	Nb	10	-	10	5
Ross-on-Wye	1000·8	-6	SW'S	5	o/r	50	85	7	2500	Nb	10	-	10	•
Leafield	1002·4	-5	WSW	6	o+	47	85	8	2500	Sr	10	-	10	
Andover	1003·4	-5	SW'S	5	c	47	92	7	1500	StCu	6	ASr	8	•
S. Farnborough	1005·7	-4	SW	7	o	49	85	7	1500	Sr	4	ASr	10	•
London (Kew Obsy.)	1005·0	-6	SSW	4	c	48	85	6	4000	StCu	5	ASr	7	•
Croydon	1005·7	-6	SW	5	c	48	85	7	800	Sr	6	Ci	7	•
Clacton-on-Sea	1004·8	-5	SSW	4	bc	47	92	6	-	-	0	ASr	3	2
Shoeburyness	1005·4	-3	SW	5	o+	48	85	7	2500	Cu	1	Ci	3	•
Grain	1005·3	-7	SSW	7	b	49	85	7	-	-	0	CiSr	3	0
Lympne	1007·1	-4	WSW	5	c	48	97	6	2500	Sr	5	CiSr	7	•
Scilly (St. Mary's)	1006·3	-4	SW	6	orro	51	97	6	4000	Nb	10	-	10	6
Falmouth (Pendennis)	1005·2	-4	SW	6	oro	51	85	7	4000	Nb	10	-	10	4
Plymouth (Cattewater)	1006·2	-4	SW	6	ojp	52	85	7	1500	Sr	10	-	10	3
Portland Bill	1007·9	-4	WSW	6	b-	52	85	7	-	-	0	ACu	2	3
Southampton (Calshot)	1007·1	-5	SW'W	6	o/r	51	85	6	800	Sr	8	CiSr	10	3
Dungeness	1007·1	-4	SW	6	c-	52	97	7	4000	Cu	5	Ci	7	6
Guernsey	1010·8	-2	SW	5	c+	49	92	8	2500	StCu	8	-	8	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 12th.

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 11th-12th. °F	Temperature. Max. Day. 12th. °F.	Rainfall.† Night 17h.-9h. 11th-12th. mm.	Rainfall.† Day 9h.-17h. 12th. mm.	Sunshine.	Sunshine. Sunrise to Sunset. 12th. hr.
Montrose	oc	c	49	53	-	-		0·2
Berwick-on-Tweed	procv	occo	48	55	0·2	-		0·4
Llandudno	o	odr	46	57	-	7		0·0
Colwyn Bay	bc	cdr	43	58	-	3		0·1
Rhyl	c	oro	43	54	-	3		0·2
Southport	ocor	rr	42	55	0·2	8		0·1
Blackpool	co	or	42	52	1	6		0·0
Ilkley	omgo	omdo	42	53	-	2		0·0
Harrogate	cor	or	42	53	-	1		0·0
Skegness	o	o	33	50	-	-		0·0
Aberystwyth	roc	o	40	51	0·2	-		0·0
Bath	mbc	bom	23	50	-	-		1·6
Leamington Spa	cb	cbo	27	49	-	-		0·3
Lowestoft	cbcco	oco	34	49	-	-		2·0
Felixstowe	bom	bcom	32	48	0·3	-		4·6
Southend	fbom	occ	28	50	0·2	-		4·9
Ilfracombe	ocbc	bcc	36	51	-	-		1·9
Bude	wbc	bcom	27	51	-	-		4·4
Paignton								
Torquay	b	b	30	52	-	-		5·2
Weymouth	bombc	bom	31	53	-	-		2·7
Bournemouth	fbc	cf	27	51	-	-		3·7
Portsmouth (S'thsea)	Fb	bbm	30	52	-	-		5·6
Littlehampton	bombc	bc	31	48	-	-		4·5
Worthing	bbc	bc	37	49	-	-		2·3
Brighton	c	c	32	50	-	-		1·6
Eastbourne	o	cbc	30	50	-	-		1·2
Hastings	mo	obcc	37	48	-	-		0·2
Folkestone	fo	o	34	48	-	-		0·1
Dover	omomo	ocbom	31	48	-	-		0·1
Tunbridge Wells	ocb	cbcc	26	49	Trace	-		3·5
Ramsgate	cbcb	bbom	33	48	-	-		2·5
Margate	cb	obcc	33	50	-	-		4·2
Deal	mo	oom	31	46	-	-		3·0

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22,637 Wednesday, 14th November, 1923.

Observations at 1300 G.M.T. 13th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	957·7	-4	SW	1	o	39	97	6	2500	St	4	CiSt	10	*
Stornoway	982·0	-6	-	0	o/r	40	92	6	800	St	10	-	10	*
Wick	984·6	-6	S	3	e/r	41	92	8	4000	CuNb	5	ACu	7	*
Castlebay	982·2	-5	E	2	opr₀	42	92	8	1500	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	983·2	-5	ESE	3	or₀	41	92	7	2500	Nb	10	-	10	1
Malin Head	980·8	-3	WSW	2	c	47	97	7	1500	Nb	8	-	8	*
Renfrew	984·7	-4	NE	1	odd	37	92	4	800	Nb	10	-	10	2
Edinburgh (Inchkeith)	984·2	-5	E	1	or₀r₀	41	97	6	*	Nb	10	-	10	*
Leuchars	984·5	-5	E	2	odd₀	40	97	7	450	Nb	10	-	10	2
Eskdalemuir	983·4	-6	SW	5	o₀r₀	51	97	5	800	Nb	10	-	10	2
Tynemouth	986·7	-2	SW	2	o/r	55	85	6	800	Nb	10	-	10	*
Blacksod Point	984·1	-2	W	4	o/r	50	92	7	*	*	*	*	10	*
Donaghadee	985·0	-1	WSW	3	cdd₀	54	92	7	450	St	8	-	8	*
Birr Castle	987·7	*	SW	2	o₀r₀	53	97	6	2500	Nb	10	-	10	*
Holyhead	980·8	-5	SW'S	6	or	53	92	6	800	Nb	10	-	10	2
Liverpool (Bidston)	989·1	-5	SSW	5	odr	53	85	7	1500	Nb	10	-	10	*
Chester (Shotwick)	991·0	-6	SW'S	4	o₀r₀	56	85	7	1500	St	7	ASt	10	2
Spurn Head	991·9	-3	SSW	7	oRR	50	92	6	2500	Nb	10	-	10	*
Birmingham (Edgbaston)	995·7	-4	S	6	orr	49	97	6	2500	Nb	10	-	10	2
Nottingham	994·0	-4	SW	5	orr	51	92	7	1500	Nb	10	-	10	*
Cranwell	995·1	-3	SW'S	6	orr	50	97	7	800	Nb	10	-	10	2
Gorleston	999·4	-2	SW	5	o	52	75	6	-	-	0	ASt	10	*
Valencia (Cahirciveen)	988·3	-8	SW	5	o₀r₀	54	97	6	800	St	10	-	10	2
Roches Point	990·2	-8	SW	5	odd₀	52	97	5	1500	Nb	10	-	10	*
Pembroke (St. Ann's H.)	995·3	-4	SSW	8	odd	52	97	6	1500	Nb	10	-	10	*
Ross-on-Wye	996·5	-6	SW'S	5	orr	51	92	6	2500	Nb	10	-	10	2
Leafield	996·3	-5	SW	5	odd₀	48	92	5	800	St	10	-	10	*
Andover	1001·1	-5	SSW	6	orr	51	75	7	2500	St	10	-	10	1
S. Farnborough	1001·1	-5	SW	7	or	54	75	7	1500	Cu	1	ASt	10	1
London (Kew Obsy.)	1000·7	-7	SSW	6	o	54	65	7	-	-	0	ASt	10	1
Croydon	1001·3	-6	SW'W	6	o	52	75	7	1500	StCu	3	ASt	9	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1001·1	-6	SW	7	c+	53	75	7	-	-	0	ASt	8	*
Grain	1001·5	-3	SW'S	6	c⊕	53	65	7	-	-	0	ASt	8	0
Lympne	1003·2	-4	WSW	7	o	51	85	7	2500	StCu	6	ASt	9	0
Scilly (St. Mary's)	1001·1	-4	SSW	7	o₀r₀	52	97	6	4000	Nb	10	-	10	*
Falmouth (Pendennis)	999·6	-5	SW	8	oc+	51	92	6	4000	Nb	10	-	10	*
Plymouth (Cattewater)	1001·8	-7	SW	7	orr	50	97	6	800	Nb	10	-	10	1
Portland Bill	1000·2	-8	SW	8	or	53	85	7	4000	StCu	10	-	10	*
Southampton (Calshot)	1007·6	-5	SW	7	c-	53	75	7	1500	St	1	ACu	8	0
Dungeness	1007·9	-5	WSW	8	[illegible]	52	85	7	4000	Nb	6	A St	10	*
Guernsey	1005·9	-7	SW	7	o	54	85	8	4000	Cu	3	Ci	9	*

Observations at 1800 G.M.T. 13th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	[illegible]
Lerwick	984·6	-3	-	0	o₀r₀	37	97	6	4000	St	10	-	10	0
Stornoway	977·2	-6	-	0	o	41	92	6	800	St	10	-	10	0
Wick	979·0	-8	SE	3	o₀r₀	41	97	8	2500	Nb	10	-	10	0
Castlebay	977·3	-7	NE	3	opr₀	42	92	7	1500	Nb	10	-	10	3
Nairn	977·8	*	-	0	o/r	37	85	7	1500	St	10	-	10	*
Aberdeen	979·5	-7	SE	3	or₀	43	97	5	1500	Nb	10	-	10	0
Malin Head	977·1	-4	WNW	2	o/r	44	97	7	4000	StCu	3	-	3	5
Renfrew	978·1	-7	WNW	1	or₀	37	97	5	1500	Nb	10	-	10	*
Edinburgh (Inchkeith)	976·7	-6	E	1	odd₀	42	97	5	*	Nb	10	-	10	0
Leuchars	977·5	-9	-	0	o/r	43	97	7	450	St	10	-	10	*
Eskdalemuir	977·7	-7	SSW	6	orr	49	97	5	800	Nb	10	-	10	*
Tynemouth	982·6 (+)	-5	SW	3	o	54	85	6	800	St	10	-	10	1
Blacksod Point	981·2	0	NW	6	o/r	~~45~~	92	7	*	*	*		10	6
Donaghadee	978·5	-6	SW	2	odd₀	52	92	7	450	St	10	-	10	3
Birr Castle	980·3	*	W	3	oR	50	92	5	1500	Nb	10	-	10	*
Holyhead	982·3	-7	SW'S	5	o₀r₀	53	97	5	1150	Nb	10	-	10	5
Liverpool (Bidston)	983·7	-7	S	3	o₀r₀	52	85	7	1500	Nb	10	-	10	5
Chester (Shotwick)	984·4	-6	S	3	o/r	54	75	7	1500	St	10	-	10	*
Spurn Head	987·1	-7	SSW	7	oRR	49	92	7	2500	Nb	10	-	10	4
Birmingham (Edgbaston)	989·7	-7	S	6	o₀r₀	49	92	6	1500	Nb	10	-	10	*
Nottingham	988·7	-5	SW	6	orr	51	85	7	1500	Nb	10	-	10	*
Cranwell	990·1	-6	SSW	6	or	49	97	7	1500	Nb	10	-	10	*
Gorleston	996·4	-2	SSW	6	o	51	85	7	*	*	0	ASt	10	5
Valencia (Cahirciveen)	983·9	-3	W	2	c-	50	92	7	800	St	7	-	7	6
Roches Point	983·2	-9	WSW	4	o₀r₀	53	97	7	2500	Nb	10	-	10	6
Pembroke (St. Ann's H.)	987·0	-8	SSW	3	orr	52	97	6	1500	Nb	10	-	10	7
Ross-on-Wye	990·4	-7	SSW	6	or-	51	92	7	2500	Nb	10	-	10	*
Leafield	993·4	-5	S	5	oR	47	97	3	4000	Nb	10	-	10	*
Andover	996·3	-6	SSW	6	orr	48	97	6	800	Nb	10	-	10	5
S. Farnborough	996·7	-7	SW	7	orr	49	85	7	1500	Nb	10	-	10	*
London (Kew Obsy.)	996·7	-6	SSW	5	odo	52	75	7	1500	Nb	10	-	10	*
Croydon	997·2	-7	SW'S	6	or	51	85	7	2500	St	7	ASt	10	*
Clacton-on-Sea	998·0	-3	SSW	5	o+	50	85	7	4000	StCu	10	-	10	4
Shoeburyness	997·6	-4	SW	7	c-	52	85	7	4000	StCu	5	ACu	7	*
Grain	997·7	-5	SSW	7	o+	52	75	7	4000	StCu	9	-	9	3
Lympne	999·9	-4	WSW	7	o	51	85	7	1500	St	8	ASt	10	
Scilly (St. Mary's)	993·6	-6	SW	7	orr	52	97	6	2500	Nb	10	-	10	6
Falmouth (Pendennis)	992·9	-6	SW	7	or-	52	92	6	2500	Nb	10	-	10	6
Plymouth (Cattewater)	994·8	-7	SW'S	7	or,r,	51	97	6	800	Nb	10	.	10	5
Portland Bill	995·9	-6	SW	8	oRR	51	92	6	2500	Nb	10	-	10	7
Southampton (Calshot)	998·2	-6	SW	6	orr	51	85	6	1500	Nb	10	-	10	6
Dungeness	999·1	-5	SSW	8	c	53	75	7	4000	St	8	-	8	7
Guernsey	1001·2	-5	S'W	8	o	53	85	7	*	*	0	ASt	10	7

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning. (24 hours ended 0900 G.M.T. 14th)	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)
Kew	16	[illegible]	[illegible]	[illegible]	*	*	43	0·3	7	0·4	*	*
Croydon (24 hours ended 0700)	244	[illegible]	[illegible]	[illegible]	*	*	43	Tr	12	3·9	*	*
Greenwich (Royal Obsy.)	149	[illegible]	[illegible]	[illegible]	55	45	39	-	6	0·5	74	78
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	0·0	*	*
Westminster (St. James' Pk.)	87	*	*	*	55	45	41	5·3	7	0·5	67	73
Regent's Pk. (Botanic Gdns).	—	*	*	*	*	*	*	*	*	0·2	*	*
Camden Square	110	bcc	oor	*	55	44	39	1	7	*	*	78
Kensington Palace	80	co	or	*	55	45	39	1	7	*	(At 18h) 78	
Hampstead Observatory	450	*	*	*	52	42	34	2	7	0·1	89	79

ATMOSPHERIC POLLUTION.

Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 13th.

South Kensington Max.	Time.	Min.	Time.
-	-	—	-
—	—		

Kew Observatory Max.	Time.	Min.	Time.
0·5	12th 17h	<0·3	13th 5h
0·3	13h 9h		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 13th ..... 17 h. 15 m. to 14th ..... 13 h. 15 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13.00	0 0	-
δ Ursae Minoris	13·00	0 0	-

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Snowing to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.	C_1C_2	6	-	150°
18h.	C_1C_2	6	-	150°
02h.	C_1C_2	6	-	150°
07h.	C_1C_2	6	-	110°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

14th - 15th November, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·14	11·38	4·2
	7·16	11·38	4·0
Greenwich	7·18	11·45	4·12
	7·20	11·45	4·10
Wick	8·0	11·57	3·53
	8·3	11·57	3·51
Valencia	8·1	12·26	4·51
	8·3	12·26	4·49

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e we air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. ℄ lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain. rr = continuous rain.

SYMBOLS.

< = less than (for cloud height), before (for precipitation).
⊕ = 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; - = "decreasing"; + = "increasing."

SEA DISTURBANCE.

0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

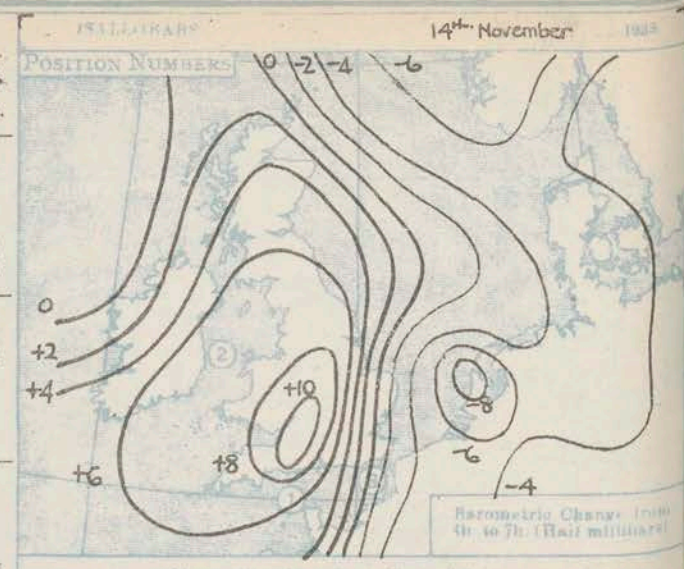
The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 13th.	13h.-18h. 13th.	18h. 13th. to 1h. 14th.	1h.-7h. 14th.	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 13th. Hours.
Lerwick ...	oo	omr	omr	omrq	40	36	•	1	16	1630	<2100	0·0
Stornoway ...	r-d	o	c	p	41	32	•	1	86	-	?	0·0
Wick ...	oprc	ororr	oRr	orrcp	42	36	•	1	7	<0800	<2100	•
Castlebay ...	op	op	oprrc	cop	43	36	•	0·3	4	-	-	0·0
Nairn ...	cdq	co	ddqc	cqbc	40	34	•	1	1	<0800	<2100	0·0
Aberdeen ...	rrirr	dorrm	rorr	orb	43	38	33	3	3	<0800	<2100	0·0
Malin Head ...	imrco	oima	oimdrh	cPRS	48	34	•	1	5	<0800	<2100	1·2
Renfrew ...	ostad	oddrm	oddom	oirbc	38	35	30	6	1	<0800	-	0·0
Edinburgh (Inchkeith)	rorr	rrm	rom	mb	43	38	36	6	8	<0800	<2100	0·0
Leuchars ...	qrdoo	oddmo	orro	ocbcb	43	34	29	6	5	<0800	<2100	0·0
Eskdalemuir ...	orom	orrm	orm	orocbcb	51	34	31	16	8	<0800	<2100	0·0
Tynemouth ...	orom	mq	rorr	b-bc	56	39	36	1	1	<0800	22.00	•
Blacksod Point ...	r-d	r-d	h-rh	h-rh	52	35	•	2	1	-	-	•
Donaghadee ...	od	od	omrq	c	54	35	•	3	3	0900	<2100	•
Birr Castle ...	ororr	oiR	cpro	bcx	54	34	30	5	1	<0800	<2100	0·0
Holyhead ...	orrmir	orrirqr	irRqc	bc	53	43	40	9	1	<0800	<2100	0·0
Liverpool (Bidston) ...	r-d	ro		robcq	55	?	38	7	4	1330	<2100	0·0
Chester (Shotwick) ...	orrqmr	ororr	orrq	ocbRth	56	40	37	3	2	<0800	<2100	0·0
Spurn Head ...	rr	rrq	qorr	orrqRc	50	44	•	7	7	<0800	<2100	0·0
Birmingham (Edgbaston)	Rrm	orrrorr	orqrrR	obtb	49	39	35	7	8	0930	<2100	0·0
Nottingham ...	ror	iro	rR	c	52	43	39	5	10	<0800	<2100	0·0
Cranwell ...	rrr	r-d	rrrR	ror	50	42	38	9	7	<0800	<2100	0·0
Gorleston ...	cqoq	o	orrq	oqrr	53	45	45	-	6	-	<2100	0·0
Valencia (Cahirciveen)	orm	ordoc	cph	opbcc	54	40	35	5	2	<0800	<2100	0·0
Roches Point ...	rodm	ddrro	rb	bb	54	39	•	5	0·3	<0800	<2100	•
Pembroke (St. Ann's H.)	oqpdd	oqRr	cqp	b-bc	52	43	•	19	5	<0800	<2100	0·0
Ross-on-Wye ...	dqrq	Rqdqq	cqrqRq	cqbq	51	41	36	9	10	<0800	<2100	0·0
Leafield ...	od	orr	r	rbc	49	?34?		6	19	1100	-	0·0
Andover ...	coorr	orrm	orrm	RRcbc	52	42	37	6	16	1230	<2100	0·0
S. Farnborough ...	oo	oorrq	oiRq	iRqc	54	45	43	2	14	1430	<2100	0·6
London (Kew Obsy.) ...	ooq	oqoqrq	oqr	oqro	54	47	43	0·3	7	1530	2200	0·4
Croydon ...	coq	aqro	orrq	oqrrp	53	46	43	trace	12	1730	<2100	0·9
Clacton-on-Sea ...	bcc	co	oqdr	odqr	51	47	46	-	6	-	<2100	0·6
Shoeburyness ...	bbcc	ccq	cq	orrbc	53	47	45	-	9	-	<2100	1·0
Gruin ...	cq	cqoq	cqorr	orro	54	48	45	-	8	-	2200	0·9
Lympne ...	crrq	oq	qorr	oRmq	51	46	45	trace	8	-	2400	0·0
Scilly (St. Mary's) ...	omrq	omqdd	orbcq	bcbq	53	44	•	4	9	<0800	<2100	0·0
Falmouth (Pendennis)	omrq	omrq	omrq	corb	52	46	•	15	10	<0800	<2100	0·0
Plymouth (Cattewater)	orrq	orrq	or	or	52	44	32	6	11	<0800	<2100	0·0
Portland Bill ...	c	r-d	r-d	r-d	54	47	•	3	17	1530	<2100	•
Southampton (Calshot)	oo	orrq	orrmq	orq	55	45	42	0·6	11	1630	<2100	2·1
Dungeness ...	cq	cq	oqr	oprr	54	49	•	-	7	-	2200	•
Guernsey ...	cq	cq	orrbq	oriRq	55	47	•	-	13	-	<2100	•



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	13th 9.00	"Hibernia"	S	7	Oc	54	53	7
1	13th 13.00	"Reindeer"	SW	7	O+	55	53	7
3	14th 02.00	"Arundel"	SW	9	R	54	54	6

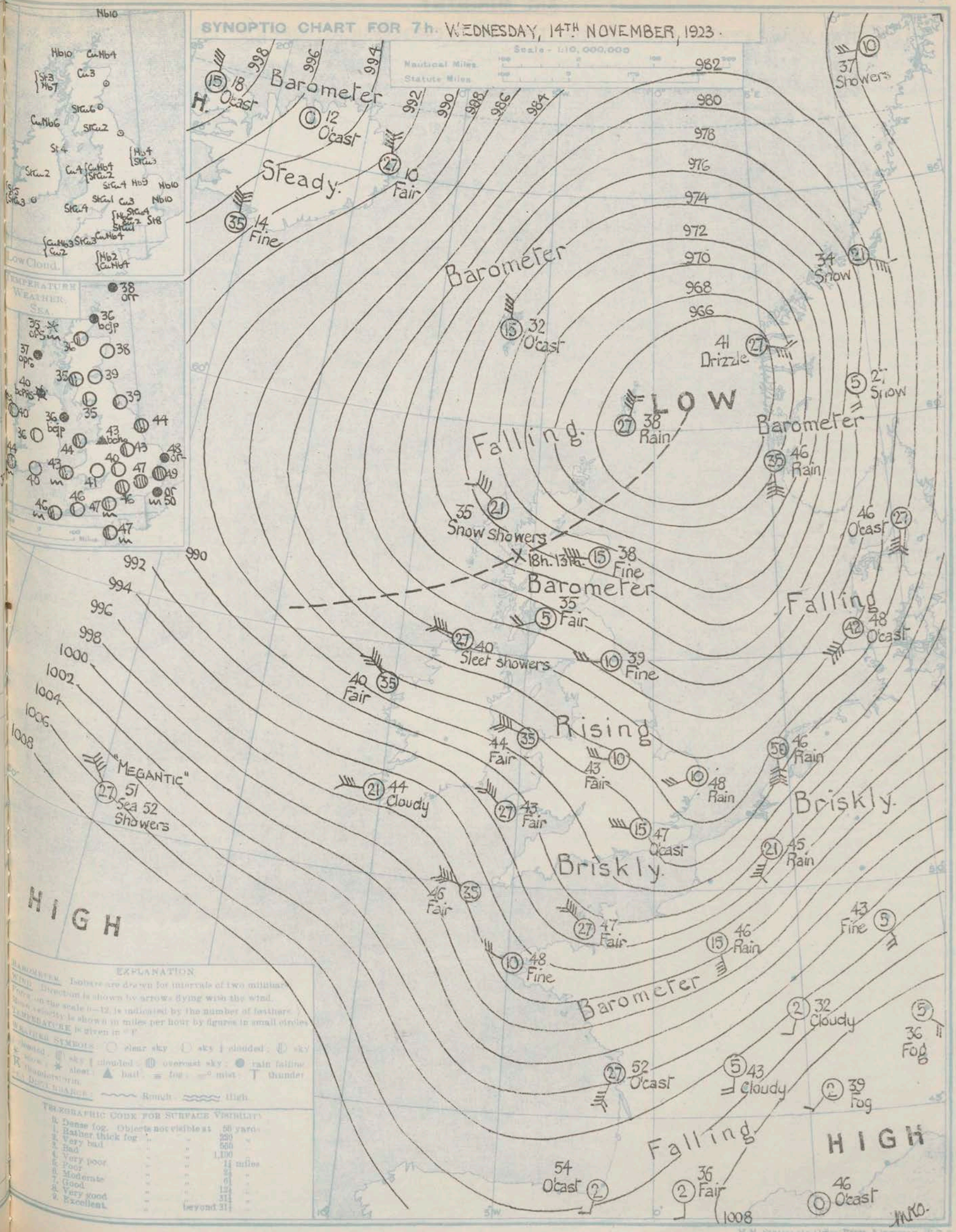
GENERAL INFERENCE.

The deep depression which crossed Northern Scotland yesterday is moving away northeastward and there are indications of a secondary disturbance developing off our western coasts. Weather will be rather cold, with some further rain, and snow locally on high ground, but considerable bright intervals are probable today.

Districts.	Forecasts for the 24 hours commencing 15h G.M.T. Wednesday, 14th November, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind westerly, fresh or strong, backing SW. later; mainly fair but some local showers today, further rain probable tomorrow; visibility mainly good; rather cold.	Unsettled. ----------
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind westerly, fresh or strong, backing later to SW. or S. temporarily; showers of rain, hail or sleet, bright intervals, some further rain later; visibility moderate to good; rather cold.	South Cone still flying.
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind NW. strong, moderating later and becoming variable; some rain or snow; fairer intervals; visibility good; rather cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As for 7 - 13.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0900 GMT. G. C. SIMPSON, F.R.S., Director.

† For Gauges opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Wednesday, 14th November 1923. No. 318.

Observations at 0100 G.M.T. 14th

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.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10
Lerwick	54	973·1	-14	E	2	orr	42	97	6	4000	Nb	10	-	10
Stornoway	51	9729	-5	SW	3	o	•	•	5	•	•	•	•	•
Wick	81	9696	-6	NW	3	orr	38	97	7	2500	Nb	10	-	10
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	9790	+3	NW	6	b/r	42	85	8	5700	Nb	3	-	3
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	180	972·2	-1	WSW	3	mmo	41	97	6	•	Sr	10	-	10
Leuchars	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	9749	-4	SW	2	orr	49	92	5	800	Nb	10	-	10
Blacksod Point	10	986·2	+2	NW	7	obr	42	75	7	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	28	979·3	+2	NW'W	6	bc	48	75	8	4000	StCu	6	-	6
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	978·1	-8	S'W	7	orr	49	97	7	4000	Nb	10	-	10
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	267	979·4	-8	S'W	6	orr	51	97	6	900	Nb	10	-	10
Gorleston	13	988·1	-4	SSW	7	orr	48	97	6	2500	Nb	10	-	10
Valencia (Cahirciveen)	30	991·2	+4	NNW	5	cPH	45	85	8	-	StCu	8	-	8
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	983·9	0	NW	7	bc-	48	85	8	2500	StCu	5	-	5
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	550	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	46	•	•	•	•	•	•	•
Croydon	344	987·7	-8	SW'S	6	orr	48	97	7	800	Nb	10	-	10
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	990·7	-10	SW'W	8	orr	48	97	6	1500	Nb	10	-	10
Scilly (St. Mary's)	131	987·9	0	W'W	6	bc/r	49	97	8	4000	CuNb	4	-	4
Falmouth (Pendennis)	200	986·0	-2	WSW	5	orr	50	92	7	5700	Nb	3	-	3
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	984·5	-19	SW	9	bRR	52	92	6	2500	Nb	10	-	10
Southampton (Calshot)	12	986·2	-12	SSW	8	orr	51	92	6	800	Nb	10	-	10
Dungeness	21	980·4	-10	SSW	9	or+	51	85	6	4000	~~Nb~~	~~3~~ 10	~~Ac~~	10
Guernsey	-													

Observations at 0700 G.M.T. 14th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	965·1	-5	NNE	6	orr	38	97	5	4000	Nb	10	-	10	5
Stornoway	973·5	+1	NW	5	oPS	35	92	6	450	Nb	10	-	10	4
Wick	968·1	-1	WNW	4	bc/p	36	92	8	2500	CuNb	4	Ci	5	3
Castlebay	971·8	0	WNW	5	opr	37	97	7	800	Nb	10	-	10	4
Nairn	973·1	•	-	0	bc	36	85	8	1500	Cu	3	CiCu	5	0
Aberdeen	972·7	+5	W	4	b	38	75	8	-	-	0	-	0	0
Malin Head	981·5	+2	WNW	6	bcPRS	40	75	8	4000	CuNb	6	-	6	6
Renfrew	979·7	+5	WSW	2	bc+	35	75	6	2500	StCu	6	-	6	•
Edinburgh (Inchkeith)	976·1	+5	W	6	b/r	39	75	8	•	-	9	-	0	4
Leuchars	975·9	+5	W	3	b	34	85	8	2500	StCu	2	-	2	•
Eskdalemuir	980·3	+6	W	4	b	35	85	7	1500	StCu	2	-	2	•
Tynemouth	979·7	+6	W	3	b	39	85	7	-	-	0	ACu	2	2
Blacksod Point	981·7	-1	NW	7	bc-	40	65	7	•	•	•	•	6	8
Donaghadee	984·4	+5	W	2	bc/p	36	92	8	450	Sr	4	-	4	2
Birr Castle	980·7	•	W	1	b-	36	92	5	2500	StCu	2	-	2	•
Holyhead	986·5	+6	WNW	7	bc	44	75	8	2500	Cu	4	-	4	6
Liverpool (Bidston)	984·0	+7	W	6	bch(f)	43	65	8	1500	CuNb	6	-	6	5
Chester (Shotwick)	985·4	+8	NW'W	7	ohr(f)	41	75	8	1500	CuNb	9	-	9	
Spurn Head	980·5	+5	W	6	c	44	85	7	2500	Nb	7	-	7	+
Birmingham (Edgbaston)	986·5	+9	W	7	b+	40	85	7	2500	StCu	1	-	1	•
Nottingham	985·0	+9	W	3	b-	43	85	5	2500	StCu	4	-	4	•
Cranwell	983·6	+8	W'N	3	o/r	43	92	8	800	Nb	9	-	9	•
Gorleston	982·7	-2	WSW	3	o/r	48	97	6	4000	Nb	10	-	10	4
Valencia (Cahirciveen)	995·6	+5	W'N	5	c	44	65	7	1500	Sr	8	-	8	6
Roches Point	994·5	+6	W	4	b	40	92	8	-	-	0	-	0	6
Pembroke (St. Ann's H.)	991·4	+7	NW	6	bc	43	75	8	4000	StCu	4	-	4	•
Ross-on-Wye	988·1	+9	W'N	5	b	41	75	8	4000	StCu	1	-	1	•
Leafield	986·5	+10	NW	4	b/r	40	85	8	4000	Cu	3	-	3	•
Andover	988·3	+8	W'N	5	b	42	85	8	-	-	0	-	0	•
S. Farnborough	987·4	+7	W	4	c/r	46	92	9	800	Nb	8	-	8	•
London (Kew Obsy.)	986·5	+7	W	4	o	47	75	8	2500	StCu	4	ASr	10	•
Croydon	986·1	+5	W	3	o/r	46	92	7	800	Nb	10	-	10	
Clacton-on-Sea	983·4	-3	W	4	o	49	92	7	2500	Nb	10	-	10	5
Shoeburyness	983·9	-2	SW	5	bc/r	48	85	5	1500	StCu	3	Ci	4	•
Grain	985·2	-1	SW	5	o/r	45	85	8	1500	StCu	8	ASr	10	•
Lympne	985·4	-3	W'S	5	orr	47	97	6	800	Nb	10	-	10	•
Scilly (St. Mary's)	994·9	+7	WNW	7	bc	46	75	8	4000	CuNb	5	-	5	6
Falmouth (Pendennis)	993·6	+7	NW	4	b	46	65	8	5700	StCu	3	-	3	0
Plymouth (Cattewater)	992·8	+8	W'N	5	b	45	75	8	2500	CuNb	2	-	2	1
Portland Bill	988·9	-12	WNW	7	bc/r	47	75	7	4000	CuNb	4	-	4	0
Southampton (Calshot)	988·3	+6	WNW	5	b-	45	85	7	-	StCu	1	-	1	7
Dungeness	985·6	-5	WSW	6	cr	50	92	7	4000	Sr	8	-	8	6
Guernsey	991·8	+5	NW	6	bc/r	47	85	8	2500	CuNb	6	-	6	

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 13th.

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 12th.-13th. °F.	Temperature. Max. Day. 13th. °F.	Rainfall.† Night 17h.-9h. 12th.-13th. mm.	Rainfall.† Day 9h.-17h. 13th. mm.	Sunshine.	Sunshine. Sunrise to Sunset. 13th. hr.
Montrose	aRmd	Ddf	36	43	4	2		0·0
Berwick-on-Tweed	RrR	Rdoc	38	50	15	4		0·0
Llandudno	r	r	48	56	26	6		0·0
Colwyn Bay	v	dv	47	58	22	7		0·0
Rhyl	rr	rr	48	55	19	4		0·0
Southport	rr	ror	46	53	21	7		0·0
Blackpool	or	or	47	52	26	4		0·0
Ilkley	omro	r	44	53	18	13		0·0
Harrogate	or	or	44	52	13	8		0·0
Skegness	or	rro	43	50	3	9		0·0
Aberystwyth	ror	o	49	54	10	13		0·0
Bath	r	r	38	52	1	12		0·0
Leamington Spa	or	or	41	51	2	5		0·0
Lowestoft	o	o	43	53	-	-		0·0
Felixstowe	o	o	42	52	-	-		0·6
Southend	coq	ocoq	42	53	0·3	-		0·9
Ilfracombe	or	or	47	53	7	10		0·0
Bude	r	r	43	54	1	10		0·0
Torquay	codo	r	46	52	-	4		0·0
Weymouth	c	r	43	55	-	3		0·6
Bournemouth	o	oor	44	54	-	1		0·3
Portsmouth (S'thsea)	bo	bo	44	54	-	-		2·4
Littlehampton	bc	oc	45	53	-	-		1·5
Worthing	bcc	co	46	53	-	-		1·0
Brighton	c	c	49	54	-	-		0·6
Eastbourne	co	o	47	54	-	-		1·2
Hastings	cbcc	co	46	54	-	-		1·5
Folkestone	bc	bc	45	53	-	-		1·8
Dover	wbco	oq	46	54	-	-		2·5
Tunbridge Wells	oc	oc	45	53	-	-		0·5
Ramsgate	ocbc	bco	43	52	-	-		1·4
Margate	bc	co	44	54	-	-		1·5
Deal	obc	bcc	44	52	-	-		3·5

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22638 Thursday, 15th November, 1923. Page 1.

Observations at 1300 G.M.T. 14th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.†	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	966.1	+2	NW	3	o/r	39	92	7	4000	Nb	5	ASt	10	·
Stornoway	979.4	+6	NW	5	cps.	38	85	6	4000	Nb	7	-	7	·
Wick	971.2	+7	NW	6	os.	33	97	5	1500	Nb	10	-	10	·
Castlebay	984.4	+6	NW	5	bc/s	40	75	8	2500	Cu	6	-	6	·
Nairn	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Aberdeen	973.8	+3	W	4	o+	40	75	8	4000	StCu	9	-	9	1
Malin Head	987.4	+5	NNW	6	cPRS	44	97	8	4000	Nb	7	-	7	·
Renfrew	982.7	+3	NNW	4	c/s(h)	38	75	5	2500	CuNb	8	-	8	2
Edinburgh (Inchkeith)	978.3	+2	W	5	bc.	37	85	7	·	Cu	5	CiCu	6	·
Leuchars	977.9	0	W	5	bc	40	75	8	2500	StCu	5	-	5	1
Eskdalemuir	983.3	+2	W'S	6	ops	35	85	6	1500	StCu	10	-	10	7
Tynemouth	984.2	+3	WSW	2	b/s(h)	37	85	7	4000	Cu	3	-	3	·
Blacksod Point	994.0	+3	NW	7	o1	42	75	7	·	·	·	·	10	·
Donaghadee	989.3	+6	W	5	bc	39	85	8	450	St	4	-	4	·
Birr Castle	994.0	*	W	1	cr	41	75	7	4000	StCu	7	-	7	·
Holyhead	991.6	+5	W'S	7	c	43	65	8	2500	Cu	7	-	7	2
Liverpool (Bidston)	989.1	+3	WSW	7	bch(r)	41	65	8	1500	CuNb	5	-	5	·
Chester (Shotwick)	999.1	+5	W'N	7	c	45	55	8	1500	CuNb	7	-	7	2
Spurn Head	987.8	+6	WSW	6	c	41	85	6	4000	Cu	7	-	7	·
Birmingham (Edgbaston)	991.9	+5	W	4	b+	42	65	8	2500	Cu	3	-	3	2
Nottingham	990.6	+4	W	5	bc	43	65	7	800	CuNb	5	-	5	·
Cranwell	990.0	+4	W	5	bc	44	75	8	2500	Cu	4	-	4	2
Gorleston	990.7	+8	W	4	bc-	46	65	6	4000	Cu	4	-	4	·
Valencia (Cahirciveen)	999.6	+4	WNW	5	b-	46	75	8	2500	StCu	3	-	3	1
Roches Point	998.6	+3	W	3	b-	40	92	9	4000	CuNb	3	-	3	·
Pembroke (St. Ann's H.)	996.8	+2	W'N	5	bc	45	75	8	4000	Cu	6	-	6	·
Ross-on-Wye	994.1	+5	W'N	6	bc	44	55	9	4000	Cu	4	-	4	1
Leafield	993.1	+5	W	5	b	43	55	8	4000	Cu	3	-	3	*
Andover	994.8	+4	W'N	6	b	46	65	8	2500	Cu	2	-	2	2
S. Farnborough	994.4	+6	W'N	5	bc+	47	65	8	2500	Cu	6	-	6	1
London (Kew Obsy.)	993.8	+5	WSW	4	b	46	65	8	4000	Cu	2	-	2	1
Croydon	994.0	+5	W'N	4	bc	47	55	7	2500	Cu	4	-	4	1
Clacton-on-Sea	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Shoeburyness	992.7	+7	WNW	3	b-	47	65	8	4000	Cu	1	-	1	·
Grain	992.8	+5	W	5	b+	46	65	7	1500	St	3	-	3	1
Lympne	993.6	+5	NW	5	b-	46	65	7	2000	Cu	2	-	2	2
Scilly (St. Mary's)	1000.1	+4	WNW	5	b	46	85	8	4000	CuNb	3	-	3	·
Falmouth (Pendennis)	999.3	+2	NW'W	4	bc+	48	65	8	5700	StCu	4	-	4	·
Plymouth (Cattewater)	998.3	+5	W'N	5	b	47	65	8	4000	StCu	2	-	2	1
Portland Bill	?	+4	WNW	7	b-	48	65	7	4000	Cu	2	-	2	·
Southampton (Calshot)	993.6	+5	W'N	5	b	47	65	8	4000	Cu	2	-	2	2
Dungeness	992.9	+3	W	4	bc	49	65	7	-	-	0	ACu	4	·
Guernsey														·

Observations at 1800 G.M.T. 14th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.†	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea.
Lerwick	972.1	+8	WNW	5	orsrs	35	97	5	4000	Nb	10	-	10	4
Stornoway	984.9	+5	NW	5	PS	36	85	7	4000	Nb	6	-	6	4
Wick	979.0	-9	WNW	6	cps	35	92	8	2500	CuNb	6	CiSt	8	6
Castlebay	989.3	+6	WNW	5	bc/s	37	75	8	2500	CuNb	4	-	4	5
Nairn	983.1	·	WSW	4	c/s	35	85	8	4000	CuNb	7	-	7	·
Aberdeen	983.1	+10	W	3	b	35	85	8	-	-	0	-	0	0
Malin Head	994.7	+4	W	4	bprs.	37	85	8	4000	CuNb	3	-	3	6
Renfrew	989.8	+10	WNW	2	c-	36	75	7	1500	St	8	-	8	·
Edinburgh (Inchkeith)	987.1	+8	W	5	b	38	75	8	·	StCu	3	-	3	3
Leuchars	986.3	+1	W	5	c-	36	75	8	5700	StCu	5	CiSt	7	·
Eskdalemuir	990.5	+6	W	4	bc	34	85	8	2500	StCu	3	CiSt	4	·
Tynemouth	989.2	+6	W	2	b	37	85	7	-	-	0	-	0	2
Blacksod Point	994.9	0	WNW	4	o	36	75	7	·	·	·	·	10	5
Donaghadee	993.6	+4	W	4	b-	36	85	8	450	St	3	-	3	4
Birr Castle	997.5	·	W	3	bc-	36	85	6	4000	StCu	6	-	6	·
Holyhead	995.8	+5	W	5	bc	43	65	9	2500	Cu	6	-	6	5
Liverpool (Bidston)	994.1	+4	WSW	6	bc	41	65	8	1500	CuNb	6	-	6	6
Chester (Shotwick)	995.3	+5	WSW	3	b-	39	75	7	4000	StCu	1	-	1	·
Spurn Head	997.4 (992.4)	+7	WSW	6	b/s	40	85	6	2500	St	1	ACu	2	2
Birmingham (Edgbaston)	[illegible]	+6	WSW	4	b-	37	65	7	4000	StCu	1	-	1	·
Nottingham	996.3	+7	W	3	b-	38	85	8	-	-	0	ACu	1	·
Cranwell	995.8	+8	W	5	bc-	37	92	8	2500	StCu	4	-	4	·
Gorleston	996.2	+5	WNW	2	b	40	75	6	-	-	0	-	0	0
Valencia (Cahirciveen)	1000.6	+1	WSW	4	bc-	44	75	8	2500	StCu	3	ASt	5	6
Roches Point	1000.4	+2	NW	2	c-	40	92	8	·	·	0	ASt	7	0
Pembroke (St. Ann's H.)	999.4	+3	W	5	bcjp	45	75	8	2500	Nb	4	-	4	6
Ross-on-Wye	998.5	+4	SW	3	b	39	75	9	4000	StCu	1	-	1	·
Leafield	999.0	+5	W	3	b	36	75	3	·	·	0	·	0	·
Andover	999.5	+6	W	3	b	34	85	8	·	·	0	·	0	4
S. Farnborough	999.3	+6	W	2	b	38	85	8	·	·	0	·	0	·
London (Kew Obsy.)	999.5	+7	SW'W	2	b	40	75	8	·	·	0	·	0	·
Croydon	999.4	+6	WSW	2	b	39	75	6	·	·	0	·	0	·
Clacton-on-Sea	997.5	+6	W	3	b-	41	75	7	1500	Cu	1	-	1	1
Shoeburyness	998.5	+7	W	4	b	39	65	7	·	·	0	·	0	·
Grain	998.3	+6	WSW	3	b	36	85	7	·	·	0	·	0	0
Lympne	999.2	+8	W'N	4	b	39	65	7	·	·	0	·	0	·
Scilly (St. Mary's)	1002.8	+2	W'N	5	bc	46	75	8	4000	CuNb	4	-	4	5
Falmouth (Pendennis)	1002.3	+4	WNW	4	bcpr	41	85	7	5700	CuNb	4	-	4	0
Plymouth (Cattewater)	1002.1	+6	W	4	bjp	44	75	7	1500	CuNb	3	-	3	0
Portland Bill	1001.4	+4	WNW	5	b	46	65	7	·	·	0	·	0	6
Southampton (Calshot)	1000.8	+6	SW'W	3	b	41	75	8	·	·	0	·	0	0
Dungeness	999.3	+6	NW	3	b-	42	75	8	4000	Cu	2	-	2	4
Guernsey	1003.4	+5	NW	4	bc-	46	75	8	4000	Cu	5	-	5	3

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning (24 Hours ended 0900 G.M.T. 15th)	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew	18	b	byb	bbx	·	·	21	tr.	-	6.7	·	·
Croydon (24 hours ended 0700)	244	cbczb	bccbz	bczm	·	·	28	-	-	7.4	·	·
Greenwich (Royal Obsy.)	149	b	b	bobox	49	31	22	-	-	5.8	56	85
City (Bunhill Row)	80	·	·	·	·	·	·	·	·	4.3	·	·
Westminster (St. James' Pk.)	27	·	·	·	49	34	27	-	-	5.9	59	78
Regent's Pk. (Botanic Gdns).	—	·	·	·	·	·	·	·	·	6.7	·	·
Camden Square	110	cb	c	·	49	34	27	·	-	·	·	86
Kensington Palace	80	bbc	bcb	·	48	33	24	-	-	·	(At 18h) 64	84
Hampstead Observatory	450	·	·	·	47	33	24	-	·	6.7	·	81

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 14th

Station	Max.	Time.	Min.	Time.
South Kensington	1.3	?		
	1.0	14' 15h	0.3	14' 0-3h
Kew Observatory	0.3	13' 17h	<0.3	1-4h 14'
	0.4	14' 08h		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 14th 17 h 15 m. to 15th 06 h 15 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	13.00	11.30	87
δ Ursae Minoris	13.00	11.09	86

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Sleeting to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (this layer often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.¹

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	Ac	6	-	35
15h.	C	5	-	165
01h.	C	6	-	140
07h.	C,C2	6	-	120

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

15th & 16th November, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.16	11.38	4.0
	7.17	11.38	3.59
Greenwich	7.20	11.45	4.10
	7.21	11.45	4.9
Wick	8.3	11.57	3.51
	8.5	11.57	3.49
Valencia	8.3	12.26	4.48
	8.4	12.26	4.46

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). / before (for precipitation).
⊕ = 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; ∸ = "decreasing"; ∔ = "increasing."

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.

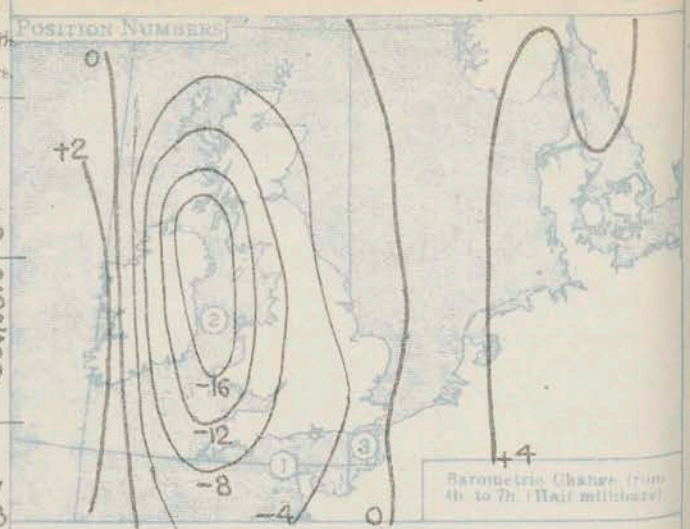
SEA DISTURBANCE.
0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

¹ For explanation see Introduction. * Information for these columns not usually received. † The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 14th	13h.-18h. 14th	18h. 14th to 1h. 15th	1h.-7h. 15th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 14th Hours.
Lerwick	omr	omrhs	prrs	cpsh	40	32	.	9	3	<0800	<2100	0.0
Stornoway	p	1	bbc	bc	39	28	.	19	1	?	-	1.0
Wick	bepsqpss	oepsq	cpsq	cps	37	28	.	15	1	<0800	<2100	.
Castlebay	rspbc	beshb	bcbd	oshpo	42	35	.	1	1	-	-	3.4
Nairn	besc	prsqc	spxbc	bcc	38	25	.	4	0.6	0900	<2100	0.4
Aberdeen	bbcc	probrs	bm	bbcm	42	28	18	0.5	-	1330	-	4.0
Malin Head	cprs	cpors	prsbc	hcrsrs	45	33	.	1	5	<0800	0430	0.5
Renfrew	bcq	hpors	bccxm	comx	41	30	24	1	-	<0800	-	3.5
Edinburgh (Inchkeith)	p	bcq	psrb	c	41	32	24	-	trace	-	<2100	5.2
Leuchars	bbbc	bcb	cbcbx	boxm	40	24	12	-	-	.	-	5.8
Eskdalemuir	bobs	obscbc	bc	bccobso	36	26	18	4	0.1	<0800	2400	1.9
Tynemouth	is	b-bc	bbc	bbcm	42	33	30	0.2	-	1230	-	.
Blacksod Point ...	hormr	horrh	h-rh	h-rh	~~50~~ 45	35	.	0.5	6	-	-	.
Donaghadee	bcqps	bc	c	o	41	30	.	0.2	0.3	0900	2200	.
Birr Castle	cb	cbPH	cp	oRR	43	31	26	0.3	7	1630	0630	5.7
Holyhead	bccv	cbev	bccbc	bbccO	44	40	37	-	-	-	-	5.3
Liverpool (Bidston) ...	pbbcq	bsbcq	hsbco		43	35	30	1	1	1330	<2100	3.5
Chester (Shotwick) ...	orhccb	cbHq	bbc	bcco	45	32	27	0.5	-	<0800	-	6.1
Spurn Head	bcjpq	cprsb	bbc	bbxco	44	35	.	trace	-	1530	-	5.3
Birmingham (Edgbaston)	bbcq	bcb	bbcc	cobc	43	33	29	trace	-	1100	-	6.1
Nottingham	b-bc	c	b	bbcx	45	31	25	-	-	-	-	4.1
Cranwell	bbcc	bcebc	bm	bbcc	45	31	26	-	-	-	-	7.1
Gorleston	orebc	bcb	bx	bx1	48	32	27	-	-	-	-	5.0
Valencia (Cahirciveen)	cpwb	bphc	bccpb	oRob	46	39	33	1	12	0900	<2100	3.4
Roches Point	bocob	bobc	cb	boRb	45	37	.	0.4	11	1230	0330	
Pembroke (St. Ann's H.)	bcqc	cqp	bcp	cqr	53	42	.	0.5	1	1430	<2100	5.4
Ross-on-Wye	bubcqv	bcvybv	bvcv	cbxc	46	35	29	-	-	-	-	7.1
Leafield	bcy	bcby	bbc	bc	50	29	21	-	-	-	-	7.8
Andover	b	b	bbx	bxbcc	47	29	21	-	-	-	-	7.9
S. Farnborough ...	cbbc	ocb	bbcb	bmx	48	32	24	-	-	-	-	7.4
London (Kew Obsy.) ...	b	byb	bb	bbx	47	32	21	trace	-	-	-	6.7
Croydon	obczb	becbz	boz	obm	47	33	28	-	-	-	-	7.4
Clacton-on-Sea ...	ogbcbc	bcb	bm	bbxbc	49	37	31	0.5	-	<0800	-	6.3
Shoeburyness ...	bcmb	b	bm	bbx	49	34	29	-	-	-	-	6.1
Grain	bccb	bccb	bbc	bx	48	35	25	0.1	trace	0900	-	5.4
Lympne	orm	bbc	bcom	ombbc	47	32	24	0.5	-	<0800	-	6.6
...y (St. Mary's) ...	bcpq	bcpoq	bcpq	bcomr	49	43	.	0.3	3	<0800	0430	3.4
Falmouth (Pendennis)	bcpbc	bcpu	bcb	bq	48	39	.	1	1	<0800	0330	6.6
Plymouth (Cattewater)	bbcp	b	ropb	bor	48	39	27	trace	2	<0800	<2100	7.6
Portland Bill	p	bbc	bbc	bbc	48	45	.	trace	-	1100	-	.
Southampton (Calshot)	b	bcb	bc	cjp	48	37	33	-	-	-	-	7.3
Dungeness	c	c	bbc	bbc	49	38	.	0.2	-	<0800	-	.
Guernsey		cbbc		c	52	42	.	1	2	1100	2200	.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility.
2	14th 1010	Hibernia	NW	7	bc	43	52	8
3	15th 0200	Dieppe	W	3	rs	44	53	9

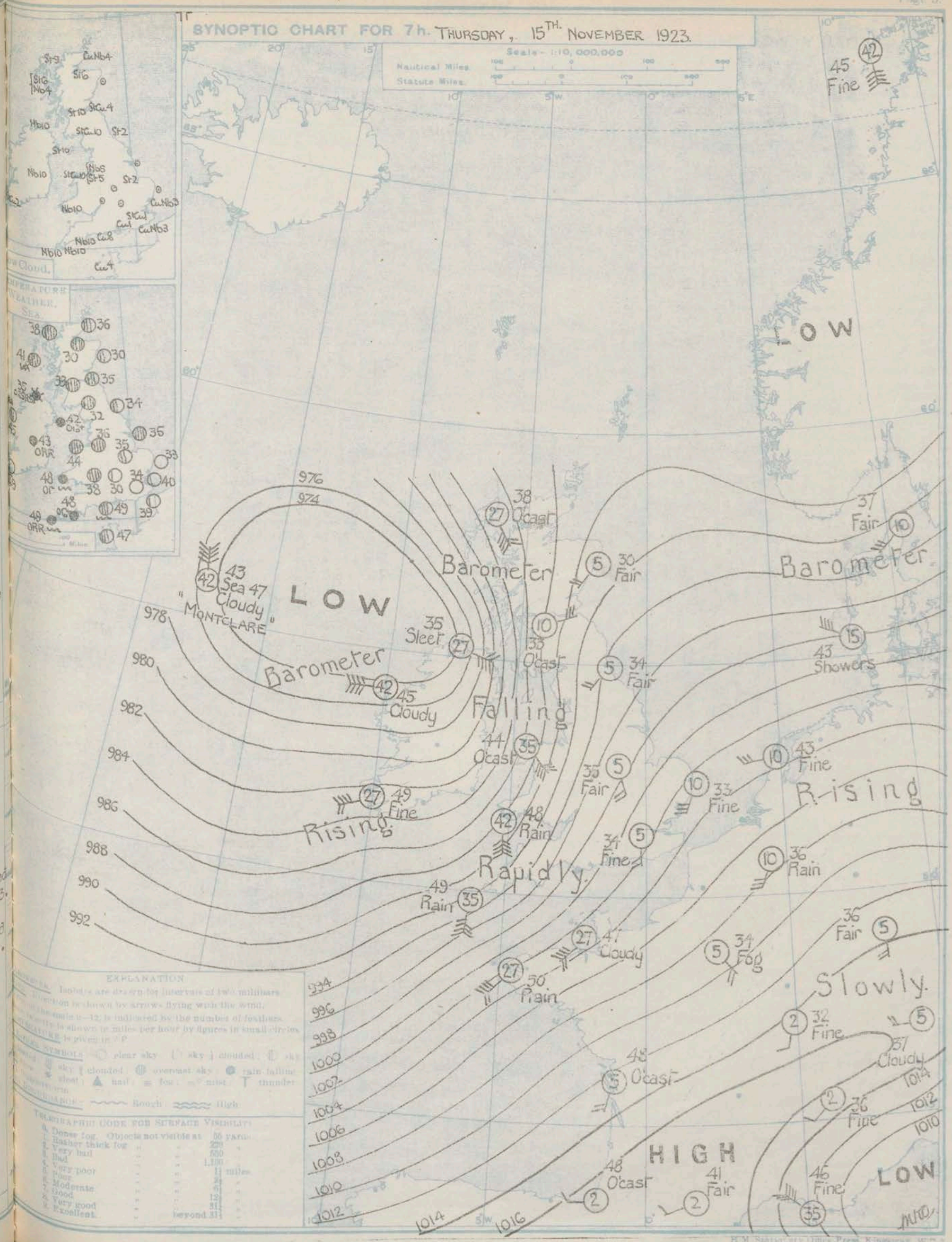
GENERAL INFERENCE.

A deep depression the trough of which extends from N.W. of Ireland to the Scilly Isles will move eastward causing rain generally and southerly gales veering to N.W. In the rear of the disturbance temperature will fall again, with some snow in the North.

Thursday, 15th November, 1923.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind S. veering W strong to a gale; rainy today fairer tomorrow; visibility moderate; milder temporarily.	Unsettled. -----
4. W. Midlands 5. S.W. England 6. South Wales	Westerly wind strong to a gale moderating; some showers rain or hail, bright intervals; visibility good; rather cold.	South Cone still flying. South Cone hoisted 0850 GMT. 15.11.23.
7. North Wales 8. N.W. England 9. N. Midlands	Wind W. to N.W. strong to a gale, moderating; showers of rain hail or sleet, bright intervals; visibility good; rather cold.	North Cone hoisted 0850 GMT. 15.11.23. ------
10. N.E. England 11. E. Scotland	Wind S.E. or S. strong to a gale, becoming W. to N.W. rainy, some hail or sleet, fairer later; visibility moderate rather cold.	
12. S.W. Scotland	As for 14 - 16.	
13. Isle of Man	As for 9 - 10.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind S.E. becoming N. strong to a gale, much rain and snow; visibility poor; cold.	
17. N.W. Ireland 18. N.E. Ireland	As for 7 - 8.	
19. S.E. Ireland 20. S.W. Ireland	As for 4 - 6.	

† For Gales see opposite page



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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Thursday 15th November.....1923. No. 319

Observations at 0100 G.M.T. 15

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.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	9812	+1	NNW	6	ors.	34	97	6	4000	Nb	10	-	10
Stornoway	51	9906	+2	NN	1	b	.	.	6	.	.	.	.	.
Wick	81	9879	+6	NNW	3	bc/s.	32	97	8	2500	Cu Nb	6	-	6
Castlebay	37	.	.	.	.	.	.	.	.	.	.	.	.	.
Nairn	82	.	.	.	.	.	.	.	.	.	.	.	.	.
Aberdeen	48	.	.	.	.	.	.	.	.	.	.	.	.	.
Malin Head	71	9920	-1	SSE	3	b-	34	97	8	-	-	0	.	0
Renfrew	38	.	.	.	.	.	.	.	.	.	.	.	.	.
Edinburgh (Inchkeith)	180	9940	+4	SW	4	b/f	34	75	8	.	-	0	.	0
Leuchars	36	.	.	.	.	.	.	.	.	.	.	.	.	.
Eskdalemuir	794	.	.	.	.	.	.	.	.	.	.	.	.	.
Tynemouth	118	9965	+4	W	1	b	35	85	7	-	-	0	-	0
Blacksod Point	10	9898	-3	SW	5	0	43	75	5	.	.	.	.	10
Donaghadee	35	.	.	.	.	.	.	.	.	.	.	.	.	.
Birr Castle	175	.	.	.	.	.	.	.	.	.	.	.	.	.
Holyhead	26	9979	0	SWW	4	b	41	75	8	2500	Cu	3	.	3
Liverpool (Bidston)	180	.	.	.	.	.	.	.	.	.	.	.	.	.
Chester (Shotwick)	16	.	.	.	.	.	.	.	.	.	.	.	.	.
Spurn Head	26	9989	+4	SW	4	b-	36	92	7	-	-	0	-	0
Birmingham (Edgbaston)	525	.	.	.	.	.	.	.	.	.	.	.	.	.
Nottingham	82	.	.	.	.	.	.	.	.	.	.	.	.	.
Cranwell	237	10004	+3	SW	3	b	34	97	7	-	-	0	-	0
Gorleston	13	10020	+1	SW	2	b	35	85	7	-	-	0	-	0
Valencia (Cahirciveen)	30	9951	-4	SW	2	oPR	43	92	8	.	St	10	-	10
Roches Point	32	.	.	.	.	.	.	.	.	.	.	.	.	.
Pembroke (St. Ann's H.)	140	10006	0	W	4	bc/b	45	75	8	1500	Nb	4	-	4
Ross-on-Wye	223	.	.	.	.	.	.	.	.	.	.	.	.	.
Leafield	558	.	.	.	.	.	.	.	.	.	.	.	.	.
Andover	295	.	.	.	.	.	.	.	.	.	.	.	.	.
S. Farnborough	230	.	.	.	.	.	.	.	.	.	.	.	.	.
London (Kew Obsy.)	18	.	.	.	.	.	34	.	.	.	.	.	.	.
Croydon	244	10030	+1	NSW	3	0	39	85	7	800	St	7	A.St	10
Clacton-on-Sea	54	.	.	.	.	.	.	.	.	.	.	.	.	.
Shoeburyness	11	.	.	.	.	.	.	.	.	.	.	.	.	.
Grain	20	.	.	.	.	.	.	.	.	.	.	.	.	.
Lympne	350	10035	+3	WNW	3	0	37	85	6	2500	St Cu	10	-	10
Scilly (St. Mary's)	131	10041	0	W	5	b	45	85	8	4000	Cu	3	-	3
Falmouth (Pendennis)	200	10038	0	NNW	3	b-	42	85	8	-	-	0	-	0
Plymouth (Cattewater)	82	.	.	.	.	.	.	.	.	.	.	.	.	.
Portland Bill	19	10025	0	W	5	b	46	75	8	-	-	0	-	0
Southampton (Calshot)	12	10033	+1	NNW	3	bc+	38	85	8	4000	St Cu	4	-	4
Dungeness	21	10029	+2	NSW	3	bc+	42	75	8	-	-	0	A.St	6
Guernsey														

Observations at 0700 G.M.T. 15

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun 0-1
Lerwick	9875	+5	W'N	3	bc/sh	37	92	7	4000	Cu	4	A.St	6	2
Stornoway	9941	-1	SSE	6	o+	38	85	7	800	St	9	-	9	0
Wick	9887	+1	SSW	3	c/sh	30	97	8	2500	Cu Nb	4	A.Cu	7	0
Castlebay	9815	-8	SE	6	d/sh	41	85	8	1500	St	10	-	10	6
Nairn	9874	.	-	0	c	30	75	8	1500	St	6	A.Cu	8	.
Aberdeen	9913	-4	SW	2	bc+	30	75	4	-	-	0	Cu St	5	0
Malin Head	9940	-19	ESE	6	orSRS	35	97	6	2500	Nb	10	-	10	4
Renfrew	9891	-8	ENE	3	o	33	92	4	1500	St	10	-	10	.
Edinburgh (Inchkeith)	9899	-5	SSW	2	c+	35	85	8	.	St Cu	4	A.St	8	1
Leuchars	9907	-4	-	0	o	26	97	6	4000	St Cu	9	-	9	.
Eskdalemuir	9904	-8	SE	4	o	32	85	6	1500	St Cu	10	-	10	.
Tynemouth	9948	-3	SW	2	bc	34	97	6	800	St	2	A.Cu	5	.
Blacksod Point	9844	-2	W	8	c-	45	65	7	.	.	.	.	7	8
Donaghadee	9864	-6	S	4	o/o+	42	85	8	450	St	10	-	10	4
Birr Castle	9782	.	SW	3	oRR	43	97	6	1500	Nb	10	-	10	.
Holyhead	9851	-12	SE'S	7	o	44	85	7	2500	St Cu	10	-	10	0
Liverpool (Bidston)	9910	-10	SE	3	o	36	75	7	2500	Nb	10	-	10	.
Chester (Shotwick)	9923	-11	SE	5	o+	35	85	8	4000	St Cu	10	-	10	.
Spurn Head	9980	-2	SW	4	o+	35	92	7	-	-	0	Cu St	10	2
Birmingham (Edgbaston)	9959	-7	SSE	3	bc	34	85	7	-	-	0	Cu	6	.
Nottingham	9961	-7	SSE	2	bc-	35	92	7	-	-	0	Cu	4	.
Cranwell	9985	-3	S	3	c	32	97	7	5700	St	2	A.St	8	.
Gorleston	10024	0	SSW	3	b	33	75	6	-	-	0	-	0	0
Valencia (Cahirciveen)	9820	+3	WSW	6	b/r	49	65	7	1500	St Cu	2	-	2	6
Roches Point	9814	-12	W	2	b	44	97	8	-	-	0	-	0	2
Pembroke (St. Ann's H.)	9887	-15	ENE	8	or	48	92	7	2500	Nb	10	-	10	.
Ross-on-Wye	9963	-9	S	4	o+	38	85	8	-	-	0	A.St	9	.
Leafield	9996	-4	S	3	b+	30	97	8	-	-	0	Cu Cu	3	.
Andover	10061	-5	SE	1	c+	30	97	7	2500	St	5	A.St	7	.
S. Farnborough	10002	-5	SE	3	b+	33	97	6	.	Cu	1	A.St	2	.
London (Kew Obsy.)	10008	-5	S	2	b	34	85	7	4000	St Cu	1	-	1	.
Croydon	10015	-2	S'W	3	b	34	92	6	-	-	0	-	0	.
Clacton-on-Sea	10033	-1	SSW	3	b+	40	85	7	2500	Cu Nb	3	-	3	1
Shoeburyness	10022	0	SSW	2	m.b.	36	85	6	-	-	0	Cu Cu	1	.
Grain	10021	0	S'E	2	b	36	92	8	4000	Cu	1	Cu Cu	2	0
Lympne	10025	-2	SW	2	bc	35	85	8	2500	Cu	3	A.St	4	.
Scilly (St. Mary's)	9920	-8	S'W	7	oRR	49	97	4	2500	Nb	10	-	10	7
Falmouth (Pendennis)	9930	-9	SW	7	o/o+	48	85	8	4000	Nb	10	-	10	1
Plymouth (Cattewater)	9952	-11	SW'N	7	or/o.	49	85	7	1500	Nb	10	-	10	5
Portland Bill	10010	-6	SW	5	c+	49	65	7	4000	Cu	8	-	8	6
Southampton (Calshot)	10007	-5	S'W	4	o/p	44	85	8	2500	St Cu	9	-	9	3
Dungeness	10034	+1	NNW	1	b+	39	85	7	5700	Cu Nb	3	-	3	3
Guernsey	10027	-4	SW	6	c	47	85	8	2500	Cu	4	Cu St	8	4

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 14

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 13-14 °F.	Temperature. Max. Day. 14 °F.	Rainfall.† Night 17h.-9h. 13-14 mm.	Rainfall.† Day 9h.-17h. 14 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 14 hr.
Montrose	b bcc	cz	36	41	5	-		4.9
Berwick-on-Tweed	prmbc	bcprb	36	40	2	0.1		6.4
Llandudno	cb	cbc	41	44	7	.		3.9
Colwyn Bay	bc	cp	40	47	8	0.3		4.3
Rhyl	bc	bchbc	41	51	5	2		5.8
Southport	cbcb	bccchc	42	44	7	0.2		4.8
Blackpool	cq	cpw	40	45	11	0.2		4.1
Ilkley	bcbbc	orsbc	34	43	10	2		3.9
Harrogate	bpn	bps	36	40	8	2		5.0
Skegness	rb	bcc	41	46	7	-		6.7
Aberystwyth	ocb	b	42	47	15	-		5.0
Bath	b	b	40	47	12	-		7.5
Leamington Spa	bpbc	bc	38	45	8	0.1		6.9
Lowestoft	bcb	bbcobc	40	46	7	-		5.4
Felixstowe	ob	b	43	47	7	-		5.0
Southend	ocbc	bcbp	42	50	8	-		5.4

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 13-14 °F.	Temperature. Max. Day. 14 °F.	Rainfall.† Night 17h.-9h. 13-14 mm.	Rainfall.† Day 9h.-17h. 14 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 14 hr.
Ilfracombe	cphbc	bc	44	48	11	0.1		4.7
Bude	pbc	bc	43	54	12	1		3.0
Torquay	b	b	41	51	16	7		6.9
Weymouth	b	b	42	49	14	.		7.5
Bournemouth	b	b	42	48	12	-		7.9
Portsmouth (S'thsea)	b	b	44	47	11	-		7.5
Littlehampton	ocpbc	bc	41	48	12	-		8.0
Worthing	b	b	43	48	12	-		7.8
Brighton	b	b	43	49	14	-		7.4
Eastbourne	b	b	46	49	12	-		7.1
Hastings	bcb	b	46	48	13	-		6.9
Folkestone		bc	42	53	8	-		5.4
Dover	mocbc	bcpw	49	50	8	-		5.7
Tunbridge Wells	bcb	b	43	48	21	-		7.1
Ramsgate	cb	cbb	46	48	7	-		4.4
Margate	cbcb	b	47	48	5	-		5.1
Deal	bbc	bbco	47	47	10	-		5.1

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

STATIONS. (For heights see p. 4).	1300 G.M.T. 15: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	1800 G.M.T. 15: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	987.3	-1	SW	1	bc	40	75	8	4000	Cu	2	CiSt	5	*	984.2	-4	SE	3	o	41	75	6	4000	Cu	5	ASt	10	2
Stornoway	977.8	-6	SSE	6	o	38	85	7	800	St	10	·	10	*	977.4	0	ENE	3	oprₒ	35	97	7	450	St	10	–	10	2
Wick	981.6	-7	SSE	6	o	41	85	8	4000	CuNb	6	ASt	10	*	976.4	-7	ESE	6	oRR	39	97	8	2500	Nb	10	–	10	6
Castlebay	972.1	-8	NE	6	orsrs	37	92	6	800	Nb	10	·	10	*	976.0	+7	N	5	ofs	37	75	7	1500	St	10	–	10	6
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	972.3	*	E	2	o+	35	85	7	1500	St	10	–	10	*
Aberdeen	980.3	-13	SE	5	orₒ	39	85	6	1500	Nb	10	·	10	1	968.3	-15	ENE	7	orr	39	97	6	1500	Nb	10	–	10	4
Malin Head	967.8	-4	S	4	bc	41	92	8	5700	CuNb	5	CSt	6	*	972.2	+8	N'W	8	oRR	41	97	7	4000	CuNb	7	ASt	10	6
Renfrew	972.3	-17	ENE	3	o/s(h)	35	97	6	800	Nb	10	-	10	7	969.8	-2	W	1	orₒ	34	97	5	2500	Nb	10	–	10	*
Edinburgh (Inchkeith)	973.4	-20	ESE	6	ors-	34	97	6	*	Nb	10	·	10	*	969.1	-8	W	3	bc-	37	92	6	*	·	0	CSt	6	1
Leuchars	977.0	-16	SE	6	orr	37	92	6	450	Nb	10	·	10	2	968.3	-7	W	2	orsₒ	34	97	7	1500	Nb	8	ASt	10	*
Eskdalemuir	973.9	-18	SE	6	oss	32	97	3	800	Nb	10	-	10	8	969.8	-2	SSW	3	b	36	85	6	2500	StCu	3	–	3	*
Tynemouth	977.5	-13	S	5	oDD	38	97	5	800	Nb	10	·	10	*	970.8	+2	SW	2	b/r	38	92	6	800	St	2	–	2	2
Blacksod Point	980.6	-8	W	6	o	45	75	8	*	*	*	*	10	*	982.1	+9	NNW	7	oPH	42	85	6	*	*	*	*	10	7
Donaghadee	973.6	-2	WSW	3	bc-	45	75	8	450	Cu	6	·	6	*	970.6	-1	W	2	o+	40	92	8	450	Sr	9	–	9	4
Birr Castle	975.9	*	SW	4	cpfₒ	44	85	7	4000	Nb	8	·	8	*	981.8	*	W	4	c/h	41	85	5	4000	Nb	7	–	7	*
Holyhead	976.7	+2	SW'W	6	o	47	75	8	2500	Cu	9	·	9	2	974.3	-2	WSW	7	c	47	75	9	2500	Cu	7	–	7	6
Liverpool (Bidston)	976.0	-10	WSW	7	bc/r	41	86	8	2500	CuNb	4	·	4	*	973.0	-4	SW	6	c/h	42	85	8	1500	CuNb	8	–	8	5
Chester (Shotwick)	976.9	-10	W	5	bc/r	47	75	7	2500	St	4	·	4	2	974.8	-4	SW	6	or	45	85	7	800	Nb	10	–	10	
Spurn Head	977.6	-22	SSE	10	orr	42	92	6	2500	Nb	10	-	10	*	976.3	+3	SSW	5	crₒ	43	92	7	2500	Nb	8	–	8	5
Birmingham (Edgbaston)	981.7	-13	WSW	7	cjp	45	75	8	4000	CuNb	7	·	7	2	979.0	-4	SSW	5	c-	43	75	8	4000	CuNb	8	–	8	*
Nottingham	980.3	-20	SW	7	b/r	48	75	8	800	CuNb	2	·	2	*	977.3	-3	SW	5	o	43	85	7	800	CuNb	9	–	9	*
Cranwell	980.9	-20	S	7	orsrs	41	97	6	800	Nb	10	·	10	2	979.2	-3	SW'W	6	cPR	43	92	8	800	Nb	8	–	8	*
Gorleston	990.9	-10	S	8	orfₒ	46	86	6	4000	Nb	10	·	10	*	984.5	-5	SW	4	o-	45	85	6	~~4000~~ 2500	Nb	10	–	10	4
Valencia (Cahirciveen)	981.7	0	SW'W	8	bc-	48	75	7	2500	StCu	4	·	4	1	989.9	+10	W'N	5	b-	47	65	7	2500	StCu	2	–	2	7
Roches Point	982.2	-2	WSW	6	b-	48	85	8	2500	CuNb	2	·	2	*	986.9	+9	WNW	5	b	46	85	8	4000	CuNb	3	–	3	6
Pembroke (St. Ann's H.)	983.0	-0	W	8	bc	49	75	8	2500	StCu	6	·	6		982.1	0	SW	9	c	49	75	8	4000	StCu	7	–	7	8
Ross-on-Wye	985.5	-7	SW	5	bcjp	48	65	7	4000	Cu	4	·	4	2	981.8	-3	W'S	8	b	46	75	7	4000	CuNb	3	–	3	*
Leafield	983.2	-12	WSW	7	bc	45	85	8	4000	CuNb	5	·	5	*	982.7	-3	SSW	5	cR	43	85	3	4000	CuNb	8	–	8	*
Andover	987.0	-13	WSW	6	bc/r	50	75	8	1500	Cu	1	·	1	2	986.4	-1	SW	5	bc/r	46	75	8	2500	StCu	5	–	5	5
S. Farnborough	987.9	-16	SW	7	CH(R)	47	97	6	1500	Nb	6	ASt	8	2	987.6	-1	WSW	6	b/r	45	85	8	5700	St	1	–	1	*
London (Kew Obsy.)	986.1	-20	S	6	orr	47	92	6	2500	Nb	9	ASt	10	2	985.9	-1	SW	5	b/r	47	75	8	2500	Cu	1	–	1	*
Croydon	987.0	-17	SSW	6	orr	45	97	6	1500	Nb	10	·	10	2	986.7	-2	WSW	5	b	47	75	6	2500	StCu	2	–	2	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	985.7	0	SSW	4	bc	47	85	7	2500	CuNb	4	–	4	4
Shoeburyness	988.7	-15	SSW	7	orfₒ	46	85	7	1500	St	9	ASt	10	*	986.1	-1	SW	6	b/r	48	75	8	2500	Cu	1	–	1	*
Grain	989.3	-17	SW	7	orr	46	92	6	800	Nb	10	·	10	2	986.3	-1	SW'S	5	b/r	48	75	8	800	Nb	2	–	2	0
Lympne	990.9	-18	SSW	8	orfₒ	45	92	6	800	Nb	10	·	10	2	988.5	-1	WSW	5	bc	45	85	7	4000	StCu	5	–	5	*
Scilly (St. Mary's)	991.0	+1	W	8	bc	53	85	6	4000	StCu	3	ACu	5	*	992.0	+1	W	8	o	51	85	7	4000	Cu	4	CiSt	10	8
Falmouth (Pendennis)	989.3	-3	W	8	bc/r	51	65	8	5700	StCu	5	·	5	*	989.5	0	W	7	c+	50	65	8	5700	StCu	8	–	8	0
Plymouth (Cattewater)	989.6	+2	W	7	b+	52	65	7	2500	CuNb	1	CiCu	2	2	989.7	0	W	7	o	50	65	8	2500	St	10	–	10	4
Portland Bill	987.5	-8	W	8	cR	50	65	7	2500	Nb	8	·	8	*	987.1	-4	W	9	cR	51	65	7	2500	CuNb	8	–	8	7
Southampton (Calshot)	988.2	-18	WSW	9	bjp	52	75	8	2500	CuNb	2	-	2	2	987.8	-1	WSW	7	b-	49	75	8	2500	CuNb	1	ACu	2	6
Dungeness	991.82	-15	SW	8	orr	48	92	7	2500	Nb	7	CiSt	10	*	988.3	+1	WSW	8	bc-	50	92	8	·	·	0	ACu	6	8
Guernsey	993.5	-4	W'S	7	odₒ	53	85	7	2500	StCu	10	·	10	*	993.3	0	W	8	ododₒ	50	92	6	1500	Nb	10	–	10	6

LONDON OBSERVATIONS.	Heights above M.S.L. in feet.	Weather Morning (24 hours ended 0900 G.M.T. 16)	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew } 24 hours ended 0700	18	omrmg	orhq b bc	coqp b	*	*	32	4	0.1	0.8	*	*
Croydon }	244	borr.r	orrq bc	bzdm	*	*	34	6	-	1.2	*	*
Greenwich (Royal Obsy.)	149	or	orc	bo	50	39	30	3	-	1.0	69	81
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	0.1	*	*
Westminster (St. James' Pk.)	27	*	*	*	51	39	34	2		0.5	67	78
Regent's Pk. (Botanic Gdns)	—	*	*	*	*	*	*	*	*	0.7	*	*
Camden Square	110	coor	orhc	*	49	39	33	4	-	*	*	84
Kensington Palace	86	or	cbc	*	50	33	29	3	-	*	(A. 18h) 73	77
Hampstead Observatory	450	*	*	*	48	39	28	4	-	0.7		84

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.
24 HR. ended 1800 G.M.T. 15

South Kensington Max.	Time.	Min.	Time.
–	–	–	–

Kew Observatory Max.	Time.	Min.	Time.
0.4	17-20h 14th		
0.4	8h. 15th	0.3	4h 15th

POLE STAR RECORD at Greenwich Obsy.
Exposure from 15 17 h. 15 m. to 16 06 h. 15 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13.0	12.30	96
δ Ursae Minoris	13.0	12.06	93

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	Cg	7	-	85°
18h.	C,C1	6	-	25°
01h.	C,C2	6	-	90°
07h.	C,C2	6	-	120°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.
16th & 17th Nov., 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.17 / 7.19	11.38 / 11.38	3.59 / 3.57
Greenwich	7.21 / 7.23	11.45 / 11.45	4.9 / 4.7
Wick	8.5 / 8.7	11.57 / 11.57	3.49 / 3.47
Valencia	8.4 / 8.6	12.26 / 12.26	4.48 / 4.46

BEAUFORT NOTATION OF WEATHER.
b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. rₒ = slight rain. rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = 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; – = "decreasing"; + = "increasing."

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.

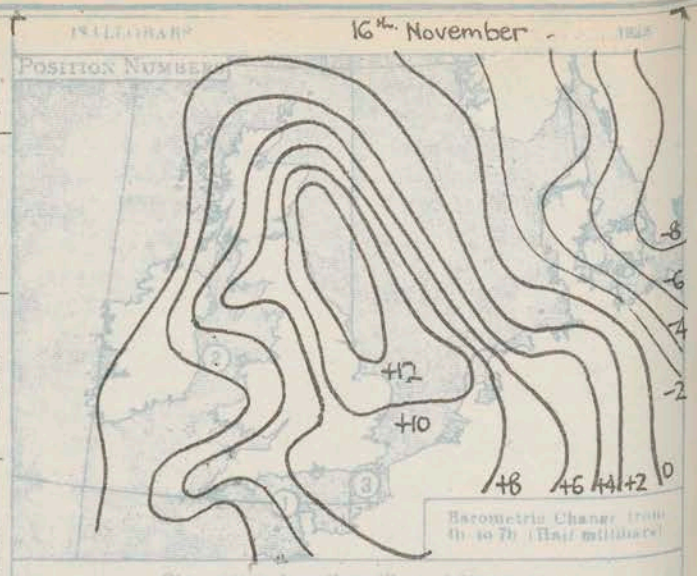
SEA DISTURBANCE.
0=no swell } 1=mod. swell } 2=heavy swell } Calm or slight sea.
3=no swell } 4=mod. swell } 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 15	13h.-18h. 15	18h. 15 to 1h. 16	1h.-7h. 16	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 15 Hours.
Lerwick	bc	c	Omr	Omrs	41	34	.	0.2	8	<0800	<2100	2.5
Stornoway	oo	b	p	c	38	32	.	1	-		-	0.0
Wick	oo	ohR	ORR	rrirs	42	35	.	5	13	1430	<2100	.
Castlebay	ors	rso	oc	cbo	41	37	.	14	0.2	-	-	0.0
Nairn	cqo	ophrq	iRqo	cqq	36	35	.	0.4	5	1430	<2100	0.0
Aberdeen	comfphir	rrrsq	rrir	rroq	41	35	33	10	11	1100	<2100	0.0
Malin Head	Rsrsco	co	bcPR	coev	42	35	.	8	0.5	<0800	<2100	2.1
Renfrew	oxsor	oromc	cbcm	cbcm	38	34	30	6	1	0900	<2100	0.0
Edinburgh(Inchkeith)	orsrsm	p	prsc	bbc	38	35	33	7	0.2	0900	2400	0.0
Leuchars	orrm	orsrsmr	orso	ocbcqb	39	33	31	17	0.6	<0800	<2100	0.0
Eskdalemuir	oossf	opsob	bbcco	opsocbc	36	30	24	14	1	<0800	2200	0.0
Tynemouth	RRq	irbcm	bbcq	bbcq	41	35	33	3	-	1100	-	.
Blacksod Point ...	p	h	h-rh	p	50	31	.	1	4	-	-	.
Donaghadee	orq	cp	cpq	cpq	47	35	.	15	0.4	<0800	<2100	.
Birr Castle	cpre	coPH	cprhx	cprhx	45	30	30	5	4	<0800	<2100	2.0
Holyhead	rrmRrq	Hr oocv	phprq	bqco	48	43	41	13	trace	<0800	2200	2.8
Liverpool (Bidston) ...	orhcq	bcthspq	1phbcq		47	36	31	8	0.5	1330	<2100	1.4
Chester (Shotwick) ...	orrrqcpr	cad H	oprcRq	cqc	48	40	34	9	3	0900	<2100	1.5
Spurn Head	oqr	rqsor	qprbcqb	bc	45	41	40	3	1	1100		0.8
Birmingham(Edgbaston)	bcoRR	crhpq	cbc	bcb	46	37	31	7	-	0900	-	1.1
Nottingham	RR	cis	cp	c	48	39	34	6	0.5	1100	<2100	1.6
Cranwell	orsrr	orbcr	pro	bbc	46	37	32	4	2	1100	2200	1.3
Gorleston	bor	oqrro	bcqprlq	cqbcq	46	40	29	4	1	1100	2400	2.0
Valencia (Cahirciveen)	bphqc	bphcb	bccop	opbcc	49	39	33	1	1	0900	2200	3.3
Roches Point	cpo.	bbcpb	bbcpb	bbcpb	50	39	.	0.4	0.3	1100	<2100	
Pembroke(St.Ann's H.)	cqp	cqp	bcq	cqp	50	45	.	9	0.2	<0800	0330	0.0
Ross-on-Wye	orqRqbcorqbcq		idqbcqr	bcc	49	39	33	13	0.2	0900	<2100	1.3
Leafield	ocdqc	ophtq		bccox	53	35	29	9	1	0900	-	1.5
Andover	RRcbc	bcprbc	copro	cbcb	50	33	25	8	0.1	<0800	2200	2.4
S. Farnborough ...	oorRrRh	prcbc	bcro	b	49	37	29	8	0.3	<0800	<2100	1.3
London (Kew Obsy.) ...	omrqrmq	orhqpbq	bqcoqp	cqbb	49	39	32	4	0.1	0900	<2100	0.8
Croydon	borrr	orqmbc	bzq	bqm	50	40	34	6	-	0900	-	1.2
Clacton-on-Sea ...	bccqqp	oqqrcbc	bcb	bbc	48	41	38	1	-	1230	-	1.6
Shoeburyness... ...	bmbccor	orrcbcb	bq	bc	51	39	37	1	-	-	-	1.7
Grain	cmorq	orqbb	b	b	50	40	34	3	-	1230	-	1.7
Lympne	bcxpr	orm	bcb	bbob	49	37	34	6	-	0900	-	0.5
Scilly (St. Mary's) ...	obcmq	coq	ocqp	bcbq	54	43	.	1	2	<0800	<2100	4.3
Falmouth (Pendennis)	qbc	bcco	cobc	bcpr	53	42	.	4	1	0900	<2100	2.1
Plymouth(Cattewater)	orqbp	copq	opb	bop	52	44	30	X5	0.1	<0800	<2100	2.4
Portland Bill	r-d	r-d	bbc	bbc	54	47	.	6	0.2	0900	<2100	.
Southampton(Calshot)	rqq	p	bq	b	53	40	37	5	-	0900	-	1.8
Dungeness	p	r-d	cqpr	bbc	51	43	.	3	-	1230	-	.
Guernsey	orrq	oprcq	orrq	orbcb	50	45	.	3	2	<0800	<2100	.



Observations from Cross Channel Steamers

Position Number	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	15th 1000	Hibernia	NW	-	qor	45	52	6
1	" 1300	Reindeer	WSW	8	D	54	55	6
3	16th 0200	Arundel	W'N	7	R	50	54	8

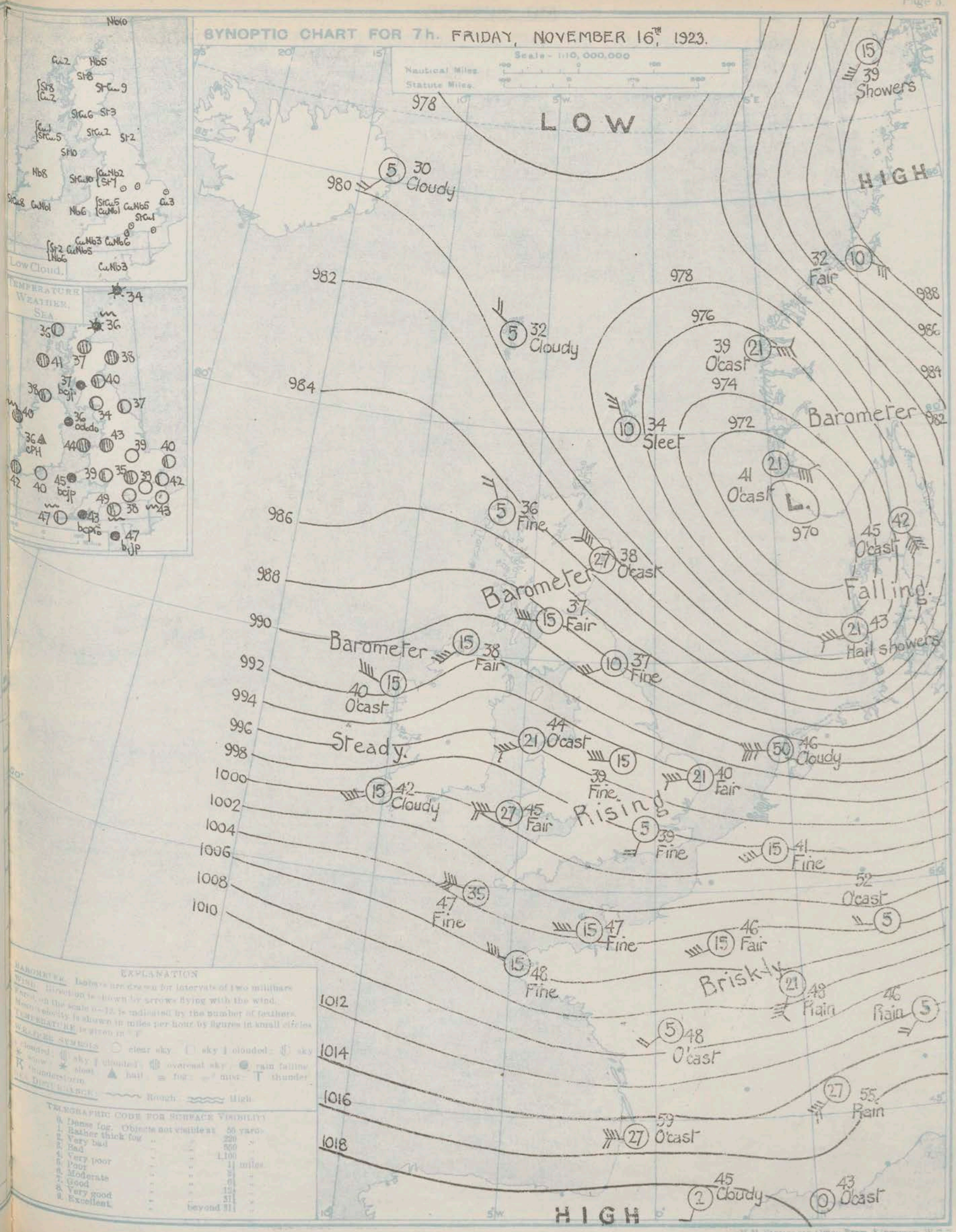
GENERAL INFERENCE.

A secondary depression is indicated off N.W. Ireland and some further showers of rain, hail or sleet are to be expected today. Winds will vary between SW. and NW., temperature remaining rather low generally.

Districts.	Forecasts for the 24 hours commencing 15h G.M.T. Friday, 16th November, 1923.	Further Outlook.
1. S.E. England ▽ 2. E. England ▽ 3. E. Midlands 4. W. Midlands 5. S.W. England ▽ 6. South Wales ▽	Wind varying between SW. and NW., strong at times; occasional showers of rain or hail, bright intervals; visibility mainly good; rather cold.	Unsettled. -------- ▽ South Cone still flying.
7. North Wales ▽ 8. N.W. England ▽ 9. N. Midlands 10. N.E. England ▽ 11. E. Scotland △ 12. S.W. Scotland △ 13. Isle of Man ▽ 14. N.&N.W. Scotland △ 15. Hebrides △ 16. Orkneys and Shetlands △	Wind mainly NW., moderate or fresh, stronger at times; occasional showers of snow or sleet; visibility moderate to good; cold.	△ North Cone still flying.
17. N.W. Ireland △ 18. N.E. Ireland △ 19. S.E. Ireland ▽ 20. S.W. Ireland ▽	As for 1 - 6.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0905. GMT. G. C. SIMPSON, F.R.S., Director.

† For Code, see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Friday, 16th November.....1923. No. 320.

Observations at 0100 G.M.T. 16

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.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	979.9	-5	E	6	or	40	92	6	4000	Nb	10	-	10
Stornoway	51	982.5	+3	NNW	4	PRS	•	•	5	•	•	•	•	•
Wick	81	975.1	+2	NNW	6	ORR	38	97	8	2500	Nb	10	-	10
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	85	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	987.2	+1	NW	7	bPR	43	75	8	4000	CuNb	3	-	3
Renfrew	28	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	974.3	+9	WNW	5	o/r	40	75	9	•	-	0	A St	10
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	973.5	+3	SW	4	c+	37	85	7	1500	Cu	3	Cu St	7
Blacksod Point	10	991.4	+6	N	2	o	39	85	7	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	987.8	+12	W'N	8	b	46	75	8	4000	Cu	2	-	2
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	976.6	+4	W	7	b	42	85	7	-	-	0	-	0
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	357	982.1	+9	W	6	bc-	41	92	8	800	StCu	6	-	6
Gorleston	13	982.7	0	WSW	5	C+	43	92	7	2500	Nb	8	-	8
Valencia (Cahirciveen)	20	997.0	+4	SW	2	c/lrh	42	92	8	•	CuNb	7	-	7
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	994.4	+9	W	6	b	46	85	8	4000	Cu	3	-	3
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	684	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	296	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	250	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	244	990.6	+6	W	5	b	44	65	7	-	-	0	-	0
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	30	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	989.8	+3	WNW	6	b	43	85	7	4000	StCu	3	-	3
Scilly (St. Mary's)	131	998.5	+3	W'N	6	bc-	49	85	8	4000	CuNb	4	-	4
Falmouth (Pendennis)	200	996.8	+7	WNW	3	b/r	47	75	8	7200	Cu	2	-	2
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	994.7	+10	NNW	8	b-	48	65	7	-	-	0	-	0
Southampton (Calshot)	12	993.7	+6	W'N	5	b	44	75	8	-	-	0	-	0
Dungeness	21	988.9	+3	W	9	b-	45	85	8	-	-	0	-	0
Guernsey														

Observations at 0700 G.M.T. 16

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	977.8	+1	NNW	2	ors+	34	97	4	2500	Nb	10	-	10	1
Stornoway	985.2	+4	NNW	2	b	36	85	7	4000	Cu	2	•	2	2
Wick	980.1	+5	NW	5	ors	36	92	8	1500	Nb	5	A St	10	6
Castlebay	987.8	+1	WNW	3	o	41	75	8	2500	St	10	-	10	3
Nairn	985.1	•	NW	3	c/r	37	85	8	1500	St	8	-	8	•
Aberdeen	982.2	+13	NW	6	o	38	85	8	4000	StCu	9	-	9	3
Malin Head	990.7	+2	SW	4	bc	38	97	8	4000	StCu	6	-	6	5
Renfrew	989.1	+6	W	4	bc+	37	75	6	2500	StCu	6	-	6	•
Edinburgh (Inchkeith)	985.9	+13	WSW	4	bc+	40	75	8	•	St	3	ACu	4	2
Leuchars	984.9	+8	NNW	4	b	36	65	8	4000	StCu	3	-	3	•
Eskdalemuir	989.6	+8	W	5	b	34	85	7	2500	StCu	2	-	2	•
Tynemouth	988.4	+12	WSW	3	b-	37	75	6	800	St	2	-	2	•
Blacksod Point	991.5	0	NNW	4	o	40	75	7	•	•	•	•	10	6
Donaghadee	995.8	+8	WSW	3	odg	36	92	8	480	St	10	-	10	3
Birr Castle	998.0	•	W	2	cfm	36	97	4	2500	Nb	8	-	8	4
Holyhead	995.2	+5	WSW	5	o	44	73	8	4000	StCu	10	-	10	3
Liverpool (Bidston)	994.9	+7	W	4	o+	43	65	7	2500	St	9	-	9	•
Chester (Shotwick)	995.2	+9	SW'N	4	o+	41	65	7	2500	StCu	10	-	10	•
Spurn Head	991.9		W'N	7	b	41	75	6	-	-	0	-	0	5
Birmingham (Edgbaston)	997.8	+8	WSW	4	bc+	38	85	7	2500	StCu	3	A St	6	•
Nottingham	993.6	+10	W	4	b	39	75	6	-	-	0	Cu	1	•
Cranwell	994.1	+11	WSW	5	b	38	97	8	-	-	0	•	0	•
Gorleston	994.4	+11	W'S	5	bc	40	85	7	-	-	0	A St	4	4
Valencia (Cahirciveen)	1000.6	+3	SW'N	4	c	42	85	7	1500	StCu	8	-	8	5
Roches Point	1000.2	+3	W	4	b+	40	97	8	2500	CuNb	1	-	1	1
Pembroke (St. Ann's H.)	999.2	+3	W	6	bcjp	45	85	8	2500	Nb	6	-	6	5
Ross-on-Wye	998.7	+6	SW	3	bc	39	85	8	4000	StCu	6	-	6	•
Leafield	998.6	+5	W	2	c+	35	92	8	4000	CuNb	5	ACu	8	•
Andover	1000.4	+8	WSW	4	bc+	38	92	8	2500	St	4	-	4	•
S. Farnborough	999.9	+8	W'N	2	b	38	92	8	-	-	0	-	0	•
London (Kew Obsy.)	999.6	+9	SSW	2	b+	39	85	8	2500	StCu	1	-	1	•
Croydon	1000.0	+10	W'S	4	b	40	75	7	-	-	0	-	0	•
Clacton-on-Sea	996.4	+8	N	4	b+	42	75	7	2500	Cu	3	-	3	3
Shoeburyness	998.8	+7	SW'N	6	bc-	41	85	7	-	-	0	A St	4	•
Grain	999.3	+12	SW'N	5	b	40	85	8	-	-	0	-	0	0
Lympne	1008.3	+9	WNW	4	b	39	75	8	4000	StCu	1	-	1	•
Scilly (St. Mary's)	1003.6	+6	WNW	7	b+	47	85	8	4000	Cu	3	-	3	7
Falmouth (Pendennis)	1001.9	+4	WNW	4	bcpr	43	85	8	5700	CuNb	5	-	5	0
Plymouth (Cattewater)	1003.2	+8	W	5	opr	45	85	7	2500	CuNb	3	A St	9	6
Portland Bill	1000.0	+8	W	7	bc+	49	65	7	4000	CuNb	6	-	6	6
Southampton (Calshot)	1001.2	+5	W	3	b	40	85	8	-	-	0	ACu	1	•
Dungeness	998.9	+8	WNW	6	b	43	75	8	-	-	0	-	0	3
Guernsey	1003.9	+6	W	4	bjp	47	85	8	4000	CuNb	3	-	3	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 15

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 14-15. °F.	Temperature. Max. Day. 15. °F.	Rainfall.† Night 17h.-9h. 14-15. mm.	Rainfall.† Day 9h.-17h. 15. mm.	Sunshine.	Sunshine. Sunrise to Sunset. 15. hr.
Montrose	orrs	Rom	25	41	0·1	20		0·0
Berwick-on-Tweed	mxcoc	rssrc	29	40	-	11		0·0
Llandudno	rqc	chbcp	38	48	4	9		1·1
Colwyn Bay	r	rq	37	47	1	10		1·3
Rhyl	op	bccr	34	48	0.4	7		1·5
Southport	orcor	cqohtl	34	45	1	6		1·3
Blackpool	orcht	rho	34	53	2	7		0·5
Ilkley	xmos	rshtc	33	41	-	8		0·3
Harrogate	op	bcc	30	39	1	7		0·8
Skegness	bxor	c	30	45	0·1	3		0·9
Aberystwyth	roc	o	38	51	2	-		1·5
Bath	oPRH	prhbc	33	51	3	7		1·8
Leamington Spa	orcb	or	29	45	0·3	5		1·5
Lowestoft	bcor	orqo	33	47	-	4		1·8
Felixstowe	bcq	orqcp	34	48	-	2		2·0
Southend	orq	cq	33	49	-	0·2		1·8
Ilfracombe	oco	oq	39	52	4	2		1·0
Bude	rrpc	cbcfc	39	52	4	1		3·2
Torquay	robp	bbcp	38	53	6	3		2·8
Weymouth	rqbc	bcpbc	41	54	2	5		1·5
Bournemouth	rr	cc	36	51	1	3		2·2
Portsmouth (S'thsea)	orr	bhbbc	36	52	Trace	7		1·6
Littlehampton	ocp	bcipq	35	52	-	4		0·9
Worthing	orqrc	qrc	32	51	-	3		0·7
Brighton	oorro	roou	33	52	1	4		0·5
Eastbourne	or	oroc	35	53	0·1	5		0·1
Hastings	horo	oroc	35	51	1	5		0·0
Folkestone	xsor	pocbc	35	52	2	4		0·7
Dover	bbcor	rccbc	37	52	0·2	4		0·6
Tunbridge Wells	oop	orhc	31	51	1	6		1·3
Ramsgate	bbco	orbc	33	50	-	5		1·0
Margate	bcop	or	35	50	-	5		1·7
Deal	bor	rqrc	34	49	-	3		0·0

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22640 SATURDAY, 17th NOVEMBER 1923.

Observations at 1300 G.M.T. 16

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	983.1	+4	WNW	3	qjp	39	85	6	4000	Nb	4	ASt	10	*
Stornoway	985.9	0	SW	3	oPS	35	97	7	800	St	10	-	10	*
Wick	987.0	+5	WNW	3	b	38	75	8	4000	Cu	1	Ci	3	*
Castlebay	987.3	-1	SW	4	c/h	42	85	8	2500	St	8	-	8	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	989.8	+7	W	3	b	39	75	8	-	-	0	-	0	1
Malin Head	990.6	-0	SW	5	or	39	92	8	4000	Nb	8	CiSt	9	*
Renfrew	992.2	0	WSW	3	o/r	41	75	7	1500	StCu	10	-	10	2
Edinburgh (Inchkeith)	991.5	+3	WSW	4	c+	40	75	7	*	Cu	3	CiSt	8	*
Leuchars	990.8	+3	SW	3	o+	38	75	7	-	-	0	ASt	9	1
Eskdalemuir	994.3	+3	SW	5	c-	36	85	7	2500	StCu	6	ACu	7	8
Tynemouth	993.8	+3	W	3	b	42	75	7	-	-	0	-	0	*
Blacksod Point	994.8	0	W	8	o	?	65	7	*	*	*	*	10	*
Donaghadee	995.4	-1	WSW	4	bc-	42	75	8	450	Cu	3	CiSt	5	*
Birr Castle	993.6	*	W	1	bc-	43	85	8	4000	Cu	5	-	5	*
Holyhead	999.1	+3	WSW	6	c	46	75	8	2500	Cu	7	-	7	1
Liverpool (Bidston)	998.7	+3	WSW	6	b-	44	65	8	2500	StCu	3	-	3	*
Chester (Shotwick)	999.6	+4	W'S	4	b-	47	55	8	2500	CuNb	3	-	3	1
Spurn Head	997.8	+5	WSW	6	bc	43	85	6	-	-	0	A.Cu	5	*
Birmingham (Edgbaston)	1001.4	+4	SW	5	bc+	47	65	8	4000	Cu	4	-	4	2
Nottingham	1000.1	+5	W	4	b	46	75	7	1500	CuNb	1	-	1	*
Cranwell	1000.4	+4	WSW	4	bc	45	85	6	4000	Cu	4	ASt	6	1
Gorleston	1002.0	+4	WSW	4	b	46	75	7	5700	Cu	3	-	3	*
Valencia (Cahirciveen)	1002.5	0	SW'W	5	bc-	46	75	8	2500	StCu	5	-	5	*
Roches Point	1003.3	+2	WSW	4	b	46	85	8	4000	Cu	3	-	3	*
Pembroke (St. Ann's H.)	1003.6	+2	WSW	6	bc	46	75	8	4000	Cu	4	-	4	
Ross-on-Wye	1003.1	+5	W'S	4	b	48	65	9	4000	CuNb	1	-	1	1
Leafield	1002.8	+4	SW (WSW)	4	b-	44	85	8	4000	Cu	2	-	2	x
Andover	1005.1	+5	~~[illegible]~~ WSW	5	bc/r	47	75	8	4000	StCu	6	-	6	2
S. Farnborough	1004.9	+6	SW	3	c-	49	75	8	4000	Cu	7	-	7	1
London (Kew Obsy.)	1004.8	+4	SW	4	bc	48	75	8	5700	Cu	3	ACu	4	1
Croydon	1005.0	+3	WSW	3	bc	47	75	7	2500	Cu	3	Ci	4	2
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1003.9	+5	WSW	4	b-	49	75	7	-	-	0	ASt	1	*
Grain	1004.3	+6	WSW	6	b	50	65	8	5700	Cu	1	-	1	0
Lympne	1004.9	+3	W	5	b	49	65	8	2500	Cu	2	-	2	1
Scilly (St. Mary's)	1008.4	+4	W'N	5	b	50	85	8	4000	Cu	2	-	2	*
Falmouth (Pendennis)	1007.8	+3	WNW	4	bc/r	50	55	8	7200	Cu	4	-	4	*
Plymouth (Cattewater)	1007.7	+4	W	5	bcpr₀	49	65	8	2500	CuNb	4	-	4	1
Portland Bill	1006.4	+4	W	6	b-	48	75	7	4000	Cu	2	-	2	*
Southampton (Calshot)	1006.2	+5	WSW	5	bc+	50	65	8	2500	StCu	5	-	5	1
Dungeness	~~[illegible]~~ 1003.9	~~+3~~	~~WSW~~ W	~~6~~ 6	~~b~~ b	~~[illegible]~~ 50	~~65~~ 75	~~8~~ 8	~~2500~~ 4000	~~StCu~~ Nb	~~3~~ 3	-	~~3~~ 3	*
Guernsey	1009.8	+4	W'N	5	oPR-	51	85	7	2500	CuNb	9	-	9	*

Observations at 1800 G.M.T. 16

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	987.8	+4	WNW	1	b	37	75	7	-	-	0	CiSt	3	0
Stornoway	985.0	-1	SW	2	oPS	36	97	7	450	St	10	-	10	1
Wick	987.0	-1	SW	2	bcpr₀	36	92	8	2500	CuNb	2	CiSt	4	0
Castlebay	986.7	-1	SW	4	o/r	41	85	8	1500	St	10	-	10	4
Nairn	987.7	*	WNW	1	c/s	35	75	8	1500	St	8	-	8	*
Aberdeen	990.5	0	SW	2	c	36	85	6	5700	StCu	4	ASt	8	0
Malin Head	989.5	-1	SW	5	or	39	92	8	4000	Nb	5	ASt	10	4
Renfrew	992.6	+1	SW	3	o/s	37	92	6	1500	Nb	10	-	10	*
Edinburgh (Inchkeith)	990.7	0	WSW	4	bcpr₀	37	85	8	*	St	6	-	6	2
Leuchars	990.9	0	WSW	1	or₀	35	92	7	2500	Nb	4	ASt	10	*
Eskdalemuir	995.1	0	SW'S	4	b-	35	85	7	1500	StCu	3	-	3	*
Tynemouth	995.6	+2	W	3	b	38	85	7	-	-	0	-	0	2
Blacksod Point	990.0	-3	W	8	o	42	85	7	*	*	*	*	10	8
Donaghadee	998.3	0	SW	3	o+	40	85	8	450	St	10	-	10	4
Birr Castle	996.2	*	W	3	oRR	41	97	5	1500	Nb	10	-	10	*
Holyhead	998.5	0	SW	6	bc	45	65	8	2500	Cu	4	-	4	5
Liverpool (Bidston)	1000.4	+2	SW	5	b	42	65	8	4000	StCu	1	-	1	5
Chester (Shotwick)	1000.5	-1	WSW	5	b	43	65	8	-	-	0	Ci	1	*
Spurn Head	1000.6	+4	SW	5	b	41	85	7	-	-	0	-	0	4
Birmingham (Edgbaston)	1004.0	+2	SSW	5	b	40	75	7	-	-	0	ASt	2	*
Nottingham	1003.1	+3	W	3	b	40	85	7	-	-	0	-	0	*
Cranwell	1003.3	+3	SW'W	4	b	41	85	8	-	-	0	-	0	*
Gorleston	1005.6	+2	SSW	4	b	42	85	7	-	-	0	-	0	1
Valencia (Cahirciveen)	998.2	-4	SW	7	orr	44	92	7	1500	St	10	-	10	7
Roches Point	999.7	-5	SW	5	c+	49	85	8	2500	StCu	7	-	7	6
Pembroke (St. Ann's H.)	1003.6	-1	SW	6	bc	49	65	8	4000	Cu	4	-	4	5
Ross-on-Wye	1004.9	+3	SW	3	c⊕	43	75	8	-	-	0	CiSt	7	*
Leafield	1006.0	+2	SSW	3	bc+	39	85	8 (3)	-	-	0	ASt	5	*
Andover	1007.9	+2	SW	4	bc⊕	41	85	8	-	-	0	CiSt	6	1
S. Farnborough	1008.2	+3	WSW	3	bc⊕	41	85	8	-	-	0	CiSt	4	*
London (Kew Obsy.)	1007.8	+3	SSW	3	b	43	75	7	-	-	0	-	0	*
Croydon	1008.2	+4	SW'W	4	b	43	75	7	-	-	0	-	0	*
Clacton-on-Sea	1006.6	+4	WSW	3	b-	44	85	6	-	-	0	ASt	1	1
Shoeburyness	1007.5	+5	W'S	4	b	44	75	7	-	-	0	-	0	*
Grain	1008.0	+4	SW	5	b	44	75	8	-	-	0	-	0	0
Lympne	1009.4	+6	W	3	b	40	85	7	-	-	0	-	0	*
Scilly (St. Mary's)	1008.4	0	W	5	cp/o	48	85	8	4000	CuNb	8	-	8	6
Falmouth (Pendennis)	1008.2	0	W	4	bc/r	46	75	8	5700	Cu	4	-	4	0
Plymouth (Cattewater)	1009.1	+1	W	3	c	48	85	8	2500	StCu	7	-	7	0
Portland Bill	1008.8	+2	W	5	b	48	65	7	-	-	0	-	0	6
Southampton (Calshot)	1008.6	+2	SW'W	4	b-	45	75	8	4000	St	1	-	1	0
Dungeness	1008.5	+5	W	4	b-	47	75	8	4000	Cu	2	-	2	4
Guernsey	1011.8	+2	W	4	bc	47	85	7	4000	CuNb	4	-	4	1

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % Yesterday	Humidity 9h. G.M.T. % To-day
		24 Hours ended 0900 G.M.T. 17								Yesterday.		To-day.
Kew } 24 hours ended 0700	18	obc	bcb	cor	*	*	36	-	4	3.6	*	*
Croydon } 24 hours ended 0700	244	cobfz	bcb	bocp	*	*	34	0.1	5	4.8	*	*
Greenwich (Royal Obsy.)	149	opb	bcb	bcborsb	49	38	32	-	5	2.9	73	84
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	1.3	*	*
Westminster (St. James' Pk.)	27	*	*	*	49	39	35	3		2.6	70	82
Regent's Pk. (Botanic Gdns).	—	*	*	*	*	*	*	*	*		*	*
Camden Square	110	cb	bcbc	*	49	39	35	-	4	*	*	84
Kensington Palace	80	b	b	*	49	39	31	-	4	*	{At 18h} 71	84
Hampstead Observatory	450	*	*	*	46	37	?	[illegible]	3	3.7		92

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 16

South Kensington Max.	Time.	Min.	Time.
-	-	-	-

Kew Observatory Max.	Time.	Min.	Time.
0.3	17h 15m	<0.3	1h 16m
0.4	9h 16m		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 16th 17 h. 15 m. to 17th 06 h. 15 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13.0	11.0	85
δ Ursae Minoris	13.0	10.43	82

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C,C2	7	-	60°
18h.	C,C2	6	-	[illegible]
1h.	C,C2	6	-	30°
7h.	C	6	-	175°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

17th & 18th Nov., 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.19	11.38	3.57
	7.20	11.38	3.56
Greenwich	7.23	11.45	4.7
	7.24	11.45	4.6
Wick	8.7	11.57	3.47
	8.9	11.57	3.45
Valencia	8.6	12.26	4.46
	8.7	12.26	4.45

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
b(r)="hail" or "rain and hail."
Capital letters indicate intense: suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⊔ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual present weather from preceding conditions, thus:—bc/r = fair weather after rain.
∸ = "decreasing"; ∓ = "increasing."

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.

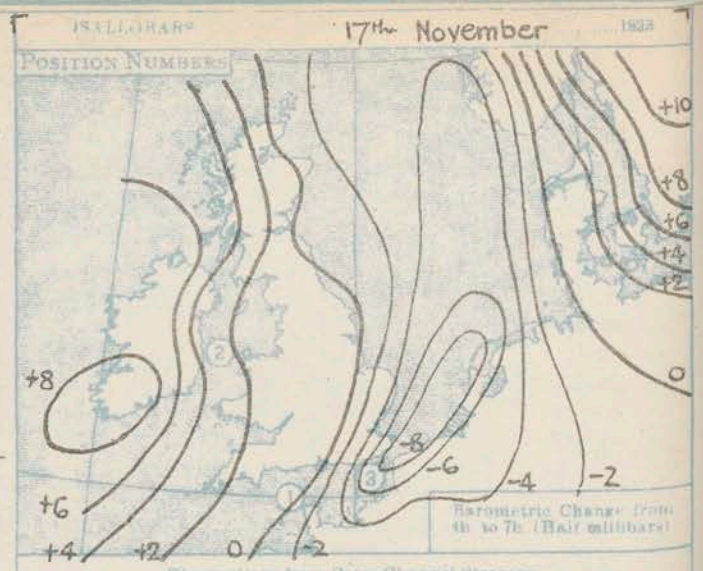
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 16	13h.-18h. 16	18h. 16 to 1h. 17	1h.-7h. 17	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 16 Hours.
Lerwick	omp	bc	bc	opr	40	35		4	1	<0800	0130	0.1
Stornoway	c	p	c	b	37	25		3	4	-	-	0.3
Wick	opsbc	bcpor	bbc	oprh	39	32		0.3	0.1	<0800	0430	
Castlebay	chbc	cro	o	ors	42	35		1	4	-	-	0.9
Nairn	cbc	cqprs	cq	cqps	37	32		0.2	7	1530	-	3.9
Aberdeen	oqbqb	bome	cmbco	oprbcprs	39	32	23	-	2	-	0130	4.0
Malin Head	coir	coihr	oircir	PHR	45	35		2	3	1530	<2100	1.2
Renfrew	bcoid	ophrs	orr R	oirm	43	37	31	2	3	<0800	<2100	1.3
Edinburgh (Inchkeith)	c	p	p	prs	41	35	34	0.4	2	0900	2200	2.4
Leuchars	bbcco	coro	oir	oir	42	32	28	trace	4	1730	<2100	2.8
Eskdalemuir	boc	cbc	bccorshb	ohsrs	37	33	32	-	10	-	<2100	4.3
Tynemouth	bq	bcq	brrq	oirm	43	37	35	-	3	-	-	
Blacksod Point	h-rh	h-rh	h-rh	p	49	?		3	4	-	-	
Donaghadee	bcp	cqp	bcqp	bcp	45	34		1	2	1230	<2100	
Birr Castle	bcpor	oRR	ORR	coq	45	36	34	3	9	<0800	<2100	4.8
Holyhead	ooc	cbc	prqR	oprq'o	46	41	38	-	10	-	<2100	5.6
Liverpool (Bidston)	obcq	bbc	berlo		47	37	33	-	13	-	2200	5.4
Chester (Shotwick)	ocporbc	bbc	bbcrRq	RRhlq	48	37	34	trace	11	1100	2400	5.5
Spurn Head	c	c	bbc	oo	44	38		-	2	-	0230	5.3
Birmingham (Edgbaston)	opbc	bcb	bcb	boRbc	47	36	33	trace	7	<0800	0230	5.6
Nottingham	cpo	bbc	b	cR	47	35	32	trace	3	0900	0330	5.5
Cranwell	c	b	bbc	bcorc	46	35	32	-	1	-	0430	7.1
Gorleston	bcq	bqbq	bl	boq	48	39	35	-	-	-	-	6.4
Valencia (Cahirciveen)	cbc	oor	oroor	oopo	49	39	35	7	3	1630	<2100	4.1
Roches Point	cpob	bbcc	cpq	cpq	49	38		0.3	5	<0800	<2100	
Pembroke (St. Ann's H.)	p	bcqp	oqrhl	h-rh	48	43		1	7	1530	0330	5.4
Ross-on-Wye	bovov	bvvbc	bcbbco	oRqbcb	49	40	34	-	4	-	0230	6.3
Leafield	bc	bbc		cox	45	35	30	-	3	-	0330	5.4
Andover	corcbc	bcprbc	bcoprc	corrc	49	38	32	1	3	1730	2200	4.1
S. Farnborough	boprc	cbc	bcor	ror	49	37	32	0.1	4	0900	2200	4.8
London (Kew Obsy.)	obc	bcb	c	cor	48	39	35	-	4	-	0330	3.6
Croydon	copor3	bcb	bcb	boPw	48	36	34	0.1	5	0900	0230	4.8
Clacton-on-Sea	bcm	bcbm	bmbc	becr	48	42	39	-	02	-	0630	4.2
Shoeburyness	bcb	b	bbc	coqRo	49	36	35	-	4	-	0230	4.9
Grain	cbcb	bbc	bbcc	oR	50	36	33	-	4	-	0630	5.8
Lympne	bbc	b	bcmr	cmoRR	50	37	33	-	4	-	2400	7.6
Scilly (St. Mary's)	bq	bccqp	bcqp	bcphq	51	41		0.3	2	<0800	<2100	5.8
Falmouth (Pendennis)	bcpr	bcpr	bcqpr	cpbcq	51	43		1	3	<0800	2400	5.5
Plymouth (Cattewater)	cbbcp	bcbpc	copb	bopb	51	41	31	0.2	2	1100	2200	6.7
Portland Bill	bbc	bbc	bbc	p	50	46		-	3	-	<2100	
Southampton (Calshot)	bbc	bcb	cpbc	bcwcp	50	43	40	-	2	-	<2100	6.7
Dungeness	bbc	c	opr	Rtq	51	45		-	5	-	2200	
Guernsey	cprq	cpobcb		oprr	52	44		0.3	3	<0800	2400	



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force	Weather.	Temp. Air	Temp. Sea	Altitude.
2	16 1010	Hibernia	WSW	6	r	45	52	8
3	17 0200	Dieppe	SW	6	0	49	54	8

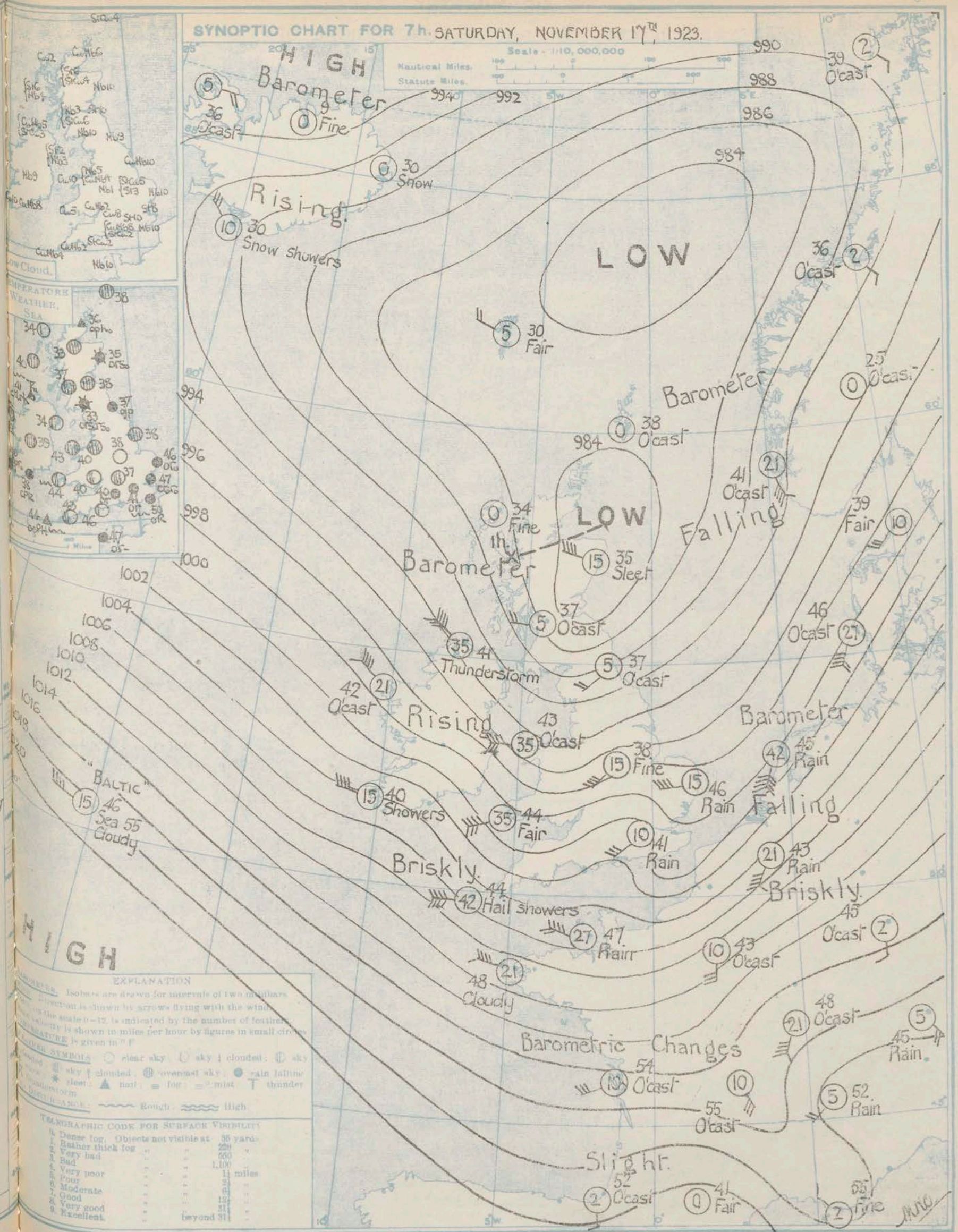
GENERAL INFERENCE.

A depression which crossed Scotland during the night has reached the Northern North Sea where it will probably fill up. A considerable rise of pressure has occurred in the Atlantic since yesterday and a fair interval of longer duration than of late seems probable. There will, however, be some showers, mainly in the North, where they will be in the form of snow or sleet.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T Saturday, 17th November, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind westerly, strong at first, moderating gradually; mainly fair; visibility good; rather cold.	
4. W. Midlands 5. S.W. England 6. South Wales	Wind W. to N.W., strong to a gale at first, moderating; mainly fair but some showers of rain or hail at first; visibility good; rather cold.	Fairer temporarily in the South, outlook doubtful for the North. ------
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind W. to N.W., strong at first, moderating; occasional showers of rain, hail or sleet, bright intervals; visibility good; rather cold.	South Cone hoisted at 15.15 G.M.T. 16/11/23. South Cone still flying. ----------
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Wind NW. to W., strong at times; variable sky, some showers of snow, sleet or hail; visibility good; rather cold.	
19. S.E. Ireland 20. S.W. Ireland	Wind westerly, strong at times; variable sky, some showers; visibility good; rather cold.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0920 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Gauges opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Saturday 17th November 1923. No. 321

Observations at 0100 G.M.T. 17

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.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	987.9	0	SE	2	bc+	37	97	7	7000	StCu	2	A.St	4
Stornoway	51	984.3	-2	-	0	c	•	•	5	•	•	•	•	•
Wick	81	984.5	-3	SW	2	c+	36	92	8	-	-	0	Ci.St	7
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	48	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	984.2	-1	W	6	cr	38	97	7	4000	Nb	6	A.St	8
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	984.6	-7	S	2	o+	40	85	8	•	-	0	A.St	10
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	991.6	-3	SW	3	o/r	39	92	6	800	Nb	10	-	10
Blacksod Point	10	989.4	0	W	5	o	39	85	9	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	28	992.1	-4	WSW	5	o	43	85	7	1500	St	10	-	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	28	996.2	-7	S	6	bc+	40	92	8	2600	St	5	-	5
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	6.5
Nottingham	83	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	297	997.2	-10	SSW	6	b	41	92	8	-	-	0	-	0
Gorleston	18	1005.3	-1	S'W	4	b	39	92	6	-	-	0	-	0
Valencia (Cahirciveen)	30	997.5	+1	NW	7	bPR	39	92	8	•	Cu	6	-	6
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	140	997.7	0	SW	8 9	ORR	47	85	7	1500	Nb	10	-	10
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	564	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	296	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	237	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	42	•	•	•	•	•	•	•
Croydon	244	1008.0	-6	S'W'S	4	b	43	85	7	-	-	0	-	0
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1006.1	-3	WSW	5	cr	44	92	6	1500	Nb	7	-	7
Scilly (St. Mary's)	131	1003.1	-6	SW	7	bpc	51	92	8	4000	CuNb	3	-	3
Falmouth (Pendennis)	200	1008.0	-4	WNW	7	bpc	48	75	8	5700	CuNb	6	-	6
Plymouth (Cattewater)	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1002.8	-8	SW	7	b	50	95	7	-	-	0	-	0
Southampton (Calshot)	12	1004.4	-4	SW	5	bcpc	49	75	8	2500	CuNb	3	-	5
Dungeness	21	1005.7	-4	SW	6	or	45	85	8	4000	Nb	10	-	10
Guernsey														

Observations at 0700 G.M.T. 17

Stations	Barom. at M.S.L. mb.	Change in 3 Hours.*	Wind. Direc.	Wind. Force 0-12	Weather	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun 0-9
Lerwick	985.4	-3	-	0	0	35	85	7	5700	StCu	4	A.St	10	0
Stornoway	986.4	+4	-	0	b-	34	75	8	4000	Cu	2	-	2	0
Wick	989.6	-1	NNW	3	oph	36	92	7	2500	CuNb	6	Ci.St	10	0
Castlebay	988.8	+5	NNW	3	o(h)	40	75	8	1500	St	10	-	10	0
Nairn	985.5	•	-	0	o(h)	33	98 8	8	1500	St	10	-	10	•
Aberdeen	982.5	0	WNW	4	ors	35	97	7	1500	Nb	10	-	10	0
Malin Head	990.6	+7	NW	7	c/r h	41	75	8	4000	CuNb	8	-	8	6
Renfrew	986.8	+4	W	2	o/r	37	85	6	1500	StCu	9	-	9	•
Edinburgh (Inchkeith)	988.8	-1	SW	4	o/r	38	85	8	•	St	10	-	10	2
Leuchars	983.4	+1	NSW	2	o	34	97	7	2500	Nb	4	A.St	10	•
Eskdalemuir	986.4	0	SW	6	ors	33	92	7-8	1500	Nb	10	-	10	•
Tynemouth	988.7	0	SW	2	o/p	37	92	6	800	Nb	9	-	9	2
Blacksod Point	997.2	+7	NW	5	o/r	42	75	9	•	•	•	•	10	7-8
Donaghadee	990.5	+2	W	3	bc	34	97	8-9	450	Nb	3	-	9	•
Birr Castle	993.1	•	W	3	o+	39	92	8	1500	Nb	9	-	9	•
Holyhead	992.9	+1	W'S	7	o	43	85	8	2500	Cu	10	-	10	•
Liverpool (Bidston)	991.2	-1	SW'W	6	o/r	40	85	7-8	1500	Nb	9	-	9	•
Chester (Shotwick)	993.2	0	WSW	6	cph	38	85	7-8	2500	CuNb	8	-	8	•
Spurn Head	992.1	+2	WSW	5	o	38	92	7	4000	CuNb	10	-	10	4
Birmingham (Edgbaston)	99[illegible]	+1 8	SW	5	bc	37	92	7-8	2500	CuNb	2	A.St	4	•
Nottingham	994.5	0	SW	4	b-	38	85	6	2500	Nb	1	-	1	•
Cranwell	994.4	-2	SW'W	4	c	38	97	7-8	2500	StCu	8	-	8	•
Gorleston	997.7	-4	W'S	4	ors+	46	85	7	4000	Nb	10	-	10	4
Valencia (Cahirciveen)	1004.1	+9	W'N	4	oprs	40	85	7	1500	StCu	10	-	10	4-7
Roches Point	1003.4	+8	W	4	cPR+	38	97	7-8	2500	CuNb	5	-	8	•
Pembroke (St. Ann's H.)	999.8	+3	WSW	7	bc	44	75	7-8	2500	Cu	3	-	3	•
Ross-on-Wye	997.9	0	WSW	3	b	40	75	7-8	4000	CuNb	2	-	2	•
Leafield	999.8	+2	NW	4	c+	37	85	8	4000	Cu	8	-	8	•
Andover	1008.4	+2	W'S	6	c/r	39	85	8	800	St	8	-	8	•
S. Farnborough	1010.3	+2	WSW	3	or	40	97	7	1500	Nb	10	-	10	•
London (Kew Obsy.)	1010.2	0	SW	3	or	41	92	8	1500	St	10	-	10	•
Croydon	1008.3	0	WSW	2	o/s(h)	38	97	7	1500	CuNb	6	A.St	10	•
Clacton-on-Sea	997.5	-2	SSW	•	cpr	47	85	7	2500	St	8	-	8	2
Shoeburyness	999.8	-4	SW	4	o/r	38	85	7	2500	StCu	5	A.St	9	0
Grain	999.2	-3	W'S	3	or	37	97	6	1500	St	9	-	9	•
Lympne	1000.1	-4	W	6	ORR	44	85	5	450	Nb	10	-	10	•
Scilly (St. Mary's)	1005.4	+2	W	8	bPH	44	92	8	4000	CuNb	4	-	4	7
Falmouth (Pendennis)	1003.7	+3	W	6	bc-	43	75	8	5700	CuNb	3	-	3	0
Plymouth (Cattewater)	1004.0	+3	W	5	bjp	42	85	8	2500	CuNb	2	-	2	6
Portland Bill	1001.7	0	W	8	b	46	65	7	4000	StCu	2	-	2	0
Southampton (Calshot)	1001.5	+2	W'S	4	ORR	43	92	8	800	CuNb	10	-	10	7
Dungeness	998.3	-9	SW	7	OR	50	85	7	4000	Nb	10	-	10	5
Guernsey	1003.7	0	WNW	6	or	47	85	8	1500	Nb	10	-	10	

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 16

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 15-16	Temperature. Max. Day. 16	Rainfall.† Night 17h.-9h. 15-16	Rainfall.† Day 9h.-17h. 16	Sunshine.	Sunshine. Sunrise to Sunset. 16
			°F.	°F.	mm.	mm.		hr.
Montrose	bbc	bccm	33	40	15	-		4.8
Berwick-on-Tweed	cprxb	bcbcv	32	41	0.2	-		5.1
Llandudno	ccb	cb	43	46	1	-		3.8
Colwyn Bay	vb	bc	40	45	1	0.3		4.3
Rhyl	cbc	bcc	41	48	3	-		4.3
Southport	hbc	hbc	39	45	5	3		2.0
Blackpool	cphrl	cu	42	46	4	2		3.0
Ilkley	bcbbc	bcbhc	37	41	9	3		0.8
Harrogate	bph	cp	34	41	8	2		3.2
Skegness	bc	b	38	46	3	-		6.7
Aberystwyth	roc	bc	42	47	2	-		4.0
Bath	prhcb	prhcb	34	49	2	2		4.0
Leamington Spa	bc	bc	29	48	0.4	-		6.0
Lowestoft	b	b	40	47	-	-		6.0
Felixstowe	bc	b	40	48	-	-		4.4
Southend	oc	bcb	37	50	-	-		4.5
Ilfracombe	cq	cq	42	50	0.3	1		3.2
Bude	pbcpc	pbcbc	38	53	4	2		5.1
Torquay	bcpbc	bc	41	52	1	0.1		6.8
Weymouth	bcpbc	bcpbc	45	51	0.3	0.3		6.4
Bournemouth	b	b	40	51	1	-		7.4
Portsmouth (S'thsea)	b	b	43	51	-	-		6.3
Littlehampton	bc	bc	37	50	-	-		7.3
Worthing	b	b	38	50	1	-		7.4
Brighton	b	b	41	50	0.1	-		6.2
Eastbourne	bcb	b	42	51	0.1	-		7.8
Hastings	bcb	b	38	51	-	-		7.3
Folkestone	bc	b	38	51	-	-		7.1
Dover	bcbc	bcbm	41	51	-	-		6.8
Tunbridge Wells	cb	b	37	50	0.3	-		6.6
Ramsgate	bbcb	b	38	51	-	-		6.8
Margate	bccb	b	41	51	-	-		7.0
Deal	bbc	bbbc	40	46	0.3	-		

TERMS OF SUBSCRIPTION.—6/- per quarter or 20/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. § See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22644 SUNDAY 18th NOVEMBER 1923.

Observations at 1300 G.M.T. 14th

STATIONS. (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	988.2	-3	NNE	2	0	38	85	7	2500	SC	7	ASC	10	*
Stornoway	987.5	+1	SW	4	$0p_0$	34	97	7	450	SC	10	-	10	*
Wick	988.2	+3	NW	2	cpr_0	36	97	8	1500	CuNb	6	CiSC	7	*
Castlebay	991.1	0	NW	5	o/sh	41	92	8	1500	Nb	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	985.1	+6	W'S	3	b-	38	75	8	-	-	0	CiSC	1	1

Observations at 1800 G.M.T. 14th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	981.3	-2	NNE	2	0	39	92	6	1500	SC	2	ASC	10	1
Stornoway	989.0	+2	SW	3	bcPS	35	97	7	800	Nb	6	-	6	2
Wick	989.1	0	WNW	2	bc	34	92	8	2500	CuNb	5	-	5	0
Castlebay	993.6	+3	W	4	c/sh	41	85	7	1500	CuNb	8	-	8	4
Nairn	989.8	*	W	2	b-	33	97	8	4000	Cu	3	-	3	*
Aberdeen	989.0	0	WSW	3	b-	36	85	8	-	-	0	-	0	0
Malin Head	993.3	+2	WNW	7	cPH	41	85	8	4000	CuNb	5	CiCu	8	*
Renfrew	993.8	+5	WSW	2	cjp	38	85	8	1500	Nb	7	Ci	8	2
Edinburgh (Inchkeith)	990.9	+1	WSW	3	c-	40	75	8	*	Cu	5	CiSC	6	*
Leuchars	991.9	+2	WSW	5	b-	34	92	8	5700	SCCu	2	-	2	2
Eskdalemuir	991.7	+3	WSW	5	o-	34	92	8	5700	SCCu	2	-	2	*
Tynemouth	990.1	+2	SW	6	orr_0*	36	97	6	1500	Nb	10	-	10	*
Blacksod Point	1000.0	+2	NW'W	5	oph_0	42	75	7	*	*	*	*	10	6
Donaghadee	989.7	+1	WSW	4	bc+	36	92	8	450	SC	4	-	4	4
Birr Castle	1000.3	*	WSW	1	c+	35	97	6	2500	SCCu	8	-	8	*
Holyhead	1003.1	+3	W'S	7	bc	42	85	9	1500	Cu	6	-	6	7
Liverpool (Bidston)	1001.0	+2	WSW	7	ocl	40	75	7	2500	Nb	10	-	10	6
Chester (Shotwick)	1002.4	+2	W	4	c/clr	40	65	6	2600	SCCu	4	ASC	7	*
Spurn Head	989.8	+6	W	7	ojp	38	92	6	2500	Nb	4	CiSC	10	4
Birmingham (Edgbaston)	1000.0	+4	SW	4	c-	37	85	7	-	-	0	ASC	8	*
Nottingham	1002.7	+4	W	3	b-	38	85	7	-	-	0	SCSC	2	*
Cranwell	1003.3	+3	W	4	opR	37	97	8	1500	SCCu	8	ASC	9	*
Gorleston	1003.5	+4	W'S	3	b-	39	85	7	-	-	0	Ci	2	1
Valencia (Cahirciveen)	1010.6	+2	WNW	4	cjp	42	75	8	1500	SCCu	7	-	7	6
Roches Point	1009.7	+2	W	3	c	40	92	8	-	-	0	CiSC	8	3
Pembroke (St. Ann's H.)	1008.0	+1	W	6	cph_0	41	85	8	2500	Nb	8	-	8	6
Ross-on-Wye	1006.5	+2	WSW	2	b-	39	75	9	4000	CuNb	1	Ci	2	*
Leafield	1006.4	+4	SW	6	b/sh	35	97	8	-	-	0	-	0	*
Andover	1008.6	+4	WSW	4	cpr_0	38	92	7	1500	Cu	8	-	8	*
S. Farnborough	1008.0	+5	WSW	3	bc-	39	85	8	-	-	0	CiSC	4	*
London (Kew Obsy.)	1006.9	+5	SW	3	b	41	75	8	-	-	0	Ci	1	*
Croydon	1007.8	+4	W'S	4	b	40	75	6	-	-	0	Ci	3	*
Clacton-on-Sea	1005.2	+5	W	3	bc	41	75	7	-	-	0	ASC	5	1
Shoeburyness	1007.0	+3	SW	3	b	41	75	7	1500	SCCu	3	-	3	*
Grain	1006.4	+6	SW	5	b	41	75	7	5700	SCCu	2	ACCu	3	0
Lympne	1007.0	+4	W	4	b	39	75	8	4000	SCCu	1	Ci	3	*
Scilly (St. Mary's)	1012.2	+2	W'N	8	bc	45	85	8	4000	CuNb	5	-	5	7
Falmouth (Pendennis)	1011.7	+2	WNW	5	bc(r)	41	85	8	5700	CuNb	5	-	5	0
Plymouth (Cattewater)	1011.7	+1	W	5	b/p	43	85	5	2500	CuNb	3	-	3	3
Portland Bill	1008.7	+2	W	7	cPR	43	75	7	4000	CuNb	8	-	8	7
Southampton (Calshot)	1008.7	+2	WSW	4	bc-	40	85	8	2500	CuNb	4	Ci	6	0
Dungeness	1007.5	+1	WNW	6	b	43	75	8	-	-	0	Ci	2	6
Guernsey	1013.4	+1	W	5	cph_0	41	92	7	2500	CuNb	8	-	8	4

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall, mm. Day.	Rainfall, mm. Night.	Sunshine to Sunset, hrs. (Yesterday)	Humidity. 15h. G.M.T. % (Yesterday)	Humidity. 9h. G.M.T. % (To-day)
		24 HOURS ENDED 0900 G.M.T. 19th										
Kew } 24 hours ended 0700	18	orb	bcb	bcsbx	*	*	25	0.1	-	4.6	*	*
Croydon } 24 hours ended 0700	244	obog	cgbcbz	bcobx	*	*	25	-	-	3.0		
Greenwich (Royal Obsy.)	149	bob	bcb	bcobxr	46	32	25	-	-	3.9	67	92
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	0.3	*	*
Westminster (St. James' Pk.)	27	*	*	*	46	33	27	-		1.9	63	68
Regent's Pk. (Botanic Gdns).	—	*	*	*	*	*	*	*	*	3.6	*	*
Camden Square	110			*						*	*	
Kensington Palace	80	bc	bc	*	45	34	21		-	*	{At 18h} 70	90
Hampstead Observatory	450	*	*	*						3.9		

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 14th

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 14th 17h 00m. to 15th 06h 30m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13 30	11 30	85
δ Ursæ Minoris	13 30	10 59	81

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1500 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.*

Time.	Type.	No. per 4 sec.	Strength.	Direc.
10h.	C	6	-	120°
10h.	C,E	6	-	65°
9h.	C,C	6	-	55°
9h.	C,C	3	-	55°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

18th & 19th NOV. 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.20 / 7.22	11.28 / 11.58	3.36 / 3.55
Greenwich	7.24 / 7.26	11.43 / 11.43	4.6 / 4.5
Wick	8.9 / 8.12	11.54 / 11.54	3.45 / 3.45
Valencia	8.4 / 8.9	12.26 / 12.26	4.45 / 4.46

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = 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; - = "decreasing"; + = "increasing."

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.

SEA DISTURBANCE.

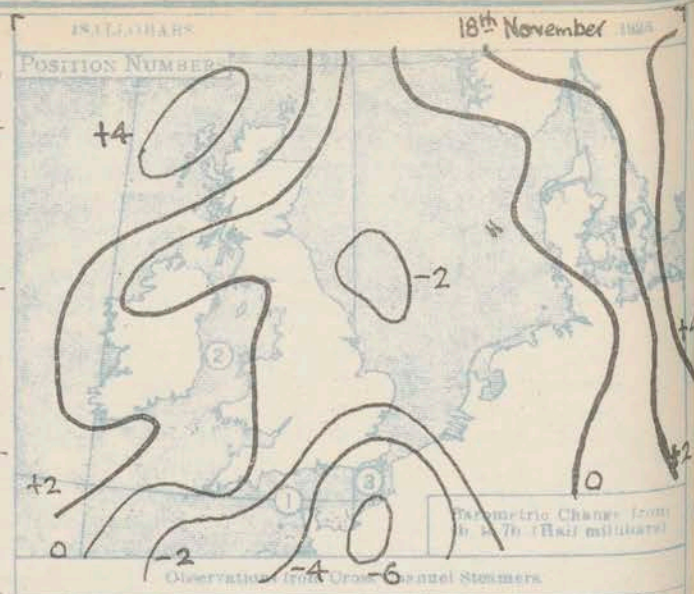
0=no swell } Calm or slight sea.
1=mod. swell } Calm or slight sea.
2=heavy swell } Calm or slight sea.
3=no swell } Moderate sea.
4=mod. swell } Moderate sea.
5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

* For explanation see Introduction. § Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. ¶ For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 17th	13h.-18h. 17th	18h. 17th to 1h. 18th	1h.-7h. 18th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 17th Hours.
Lerwick	o	d	omprs	Ompr	40	35	•	–	11	–	<2100	0·0
Stornoway	p	p	p	p	38	33	•	4	6	–	–	1·3
Wick	cps	c	bcps	bcpsRric	39	33	•	Trace	10	12·30	<2100	•
Castlebay	orsho	crshc	crshc	crsbc	42	38	•	3	1	–	–	0·4
Nairn	cbc	bccbc	bccq	cqir	35	33	•	–	2	–	–	4·1
Aberdeen	oisrb	bbcb	b	borsh	38	34	28	3	1	<0800	0530	2·7
Malin Head	PHR	PHR	cPHR	cPRH	43	39	•	3	3	<08·00	<0800	0·7
Renfrew	omo	oir	omir	oirm	40	35	31	2	2	13·30	2400	0·1
Edinburgh (Inchkeith)	oo	prs	bbc	c	41	36	35	0·3	0·1	14·30	–	1·7
Leuchars	obcc	ccbcb	bbx	bbcc	40	32	28	Trace	–	<08·00	–	1·8
Eskdalemuir	oirsoco	ocosm	opsm	opsocoir	36	32	30	3	7	<08·00	<2100	1·7
Tynemouth	om	c	bq	bbcq	42	35	33	–	–	–	–	•
Blacksod Point	h-rh	h-rh	h-rh	h-rh	48	41	•	3	3	–	–	•
Donaghadee	bcqps	bcqps	bcq	cpqs	41	34	•	1	0·1	<08·00	2400	•
Birr Castle	cop.rs	copr	cprl	bx	39	32	25	1	1	<08·00	<2100	1·6
Holyhead	ocbcq	bcqr	bccq	bcq	44	40	39	–	–	–	–	3·3
Liverpool (Bidston)	cphtcq	cphs bcq	hr-slt		44	36	31	1	9	13·30	<2100	1·5
Chester (Shotwick)	PHqrl	cqrl	bbc	bbc	45	36	30	5	–	<08·00	–	2·2
Spurn Head	orsRrqc	oqRjp	bbc	bcx	42	35	•	2	–	<08·00	–	1·0
Birmingham (Edgbaston)	bcr.	bcc	bbc	bbc	43	31	28	Trace	–	09·00	–	4·1
Nottingham	bcir	c	b	bc	43	32	26	1	–	11·00	–	2·8
Cranwell	bbccr	copbc	cbbx	bbcx	42	33	28	0·5	trace	11·00	<2100	~~2·0~~ 2·9
Gorleston	ophcq	cphqb	bcl	bxv	46	32	29	2	–	<08·00	–	4·6
Valencia (Cahirciveen)	coph	opcop	cop	opbcb	45	38	31	3	4	<08·00	<2100	2·3
Roches Point	cp.	c	cp	cpb	44	37	•	0·4	1	<08·00	2200	
Pembroke (St. Ann's H.)	cqp	p	cqphr	cqp	50	40	•	1	5	15·30	<2100	4·0
Ross-on-Wye	bcvq	cop.bcv	p bcvb	bbcx	46	35	28	0·1	0·2	14·30	<2100	5·5
Leafield	co	ohc		bcx	45	29	22	3	–	<08·00	–	5·6
Andover	cprbc	bbcpr	bcopc	co	45	31	23	1	0·6	<08·00	<2100	4·3
S. Farnborough	rbcorqbc	bc	bcb	bcx	46	31	25	0·5	–	09·00	–	4·2
London (Kew Obsy.)	orb	bbcb	bbcrbx	bxox	45	32	25	0·1	–	<08·00	–	4·6
Croydon	obcq	cqbcbz	bcob	box	45	33	28	–	–	–	–	5·0
Clacton-on-Sea	oqrcbc	cbc	bcm	bcmx	47	34	21	6	–	<08·00	–	4·5
Shoeburyness	ocbcq	b-bc	c	c	47	34	29	–	–	–	–	4·2
Grain	bcc	bcb	bb	xom	47	32	26	–	trace	–	–	3·7
Lympne	bbc	bcb	bbcb	box	47	30	24	~~Trace~~ 2	trace	09·00	–	5·7
Scilly (St. Mary's)	cphq	cbcpq	cqpr	cqpr	49	41	•	3	6	<08·00	<2100	3·4
Falmouth (Pendennis)	bcqph	bcqph	bcpor	corbc	47	39	•	2	3	<08·00	2400	5·8
Plymouth (Cattewater)	bopc	cprhb	bophbc	bcophc	48	39	•	2	2	<0800	<2100	4·2
Portland Bill	b-bc	p	c	c	53	40	•	1	0·6	15·30	0630	•
Southampton (Calshot)	c	c	p	c	47	37	33	Trace	trace	<08·00	<2100	4·7
Dungeness	c	bbc	c	cl	50	35	•	2	–	<08·00	–	•
Guernsey	phq	cpom		ocsc	51	40	•	2	5	<08·00	2200	•



Observations from Cross-Channel Steamers.

Position	Date and Time	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	17th 1005	Anglia	W	6	C	42	51	8
1	" 1300	Reindeer	W'N	8	R	53	54	7
3	18th 0200	Arundel	WNW	6	O	44	51	8

GENERAL INFERENCE.

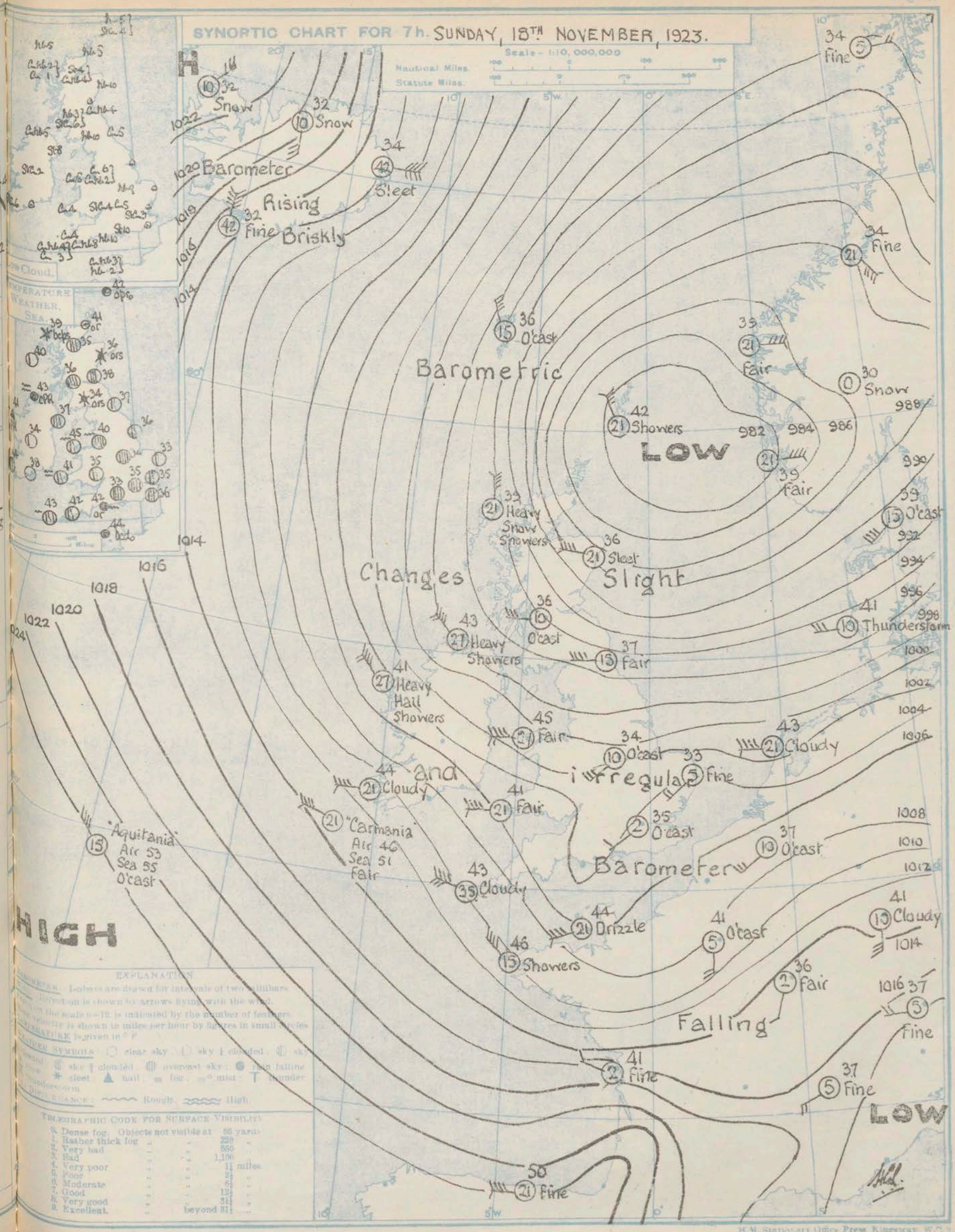
A distant depression is indicated on the Atlantic whilst pressure continues low to N.E. and high to S.W. Secondary disturbances are indicated traversing the British Isles eastward.

In the extreme West milder and cloudy weather is probable, But over Scotland and most of England winds will be from between W. and N.W. with a variable sky and showers of rain sleet or hail. Temperature will continue low with slight frost at night.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 18th, November, 1923	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Westerly wind, moderate or fresh strong at times locally; variable sky; some showers of rain or hail; visibility mainly good; cold, slight night frost.	Witheld.
5. S.W. England 6. South Wales 7. North Wales	Wind W. to N.W. moderate to strong, probably backing later; variable sky; rain or hail showers; visibility good; temperature rising somewhat.	
8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides	Wind between W. and N.W., moderate to strong; variable sky; showers of rain hail or sleet; visibility mainly good; cold, frost at night.	South Cone still flying.
16. Orkneys and Shetlands	Moderate N.W. wind; cloudy; showers of rain or sleet; cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Westerly winds, moderate to strong, probably backing later; cloudy; occasional rain or showers; visibility mainly good; temperature rising somewhat.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0920 GMT. G. C. Simpson, F.R.S., Director.

† For Data see opposite page



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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Sunday 18th November 1923. No. 322.

Observations at 0100 G.M.T. 18th

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.	Humidity. %	Visibility.§ 0–9	Cloud Height Feet	Low Form	Low Amt. 0–10	Upper Form.	Total Amt. 0–10
Lerwick	54	979.9	+1	N	2	o/sh	39	97	7	2500	St	4	ACu	10
Stornoway	51	991.8	-2	NNW	4	PRS	•	•	3	•	•	•	•	•
Wick	81	985.7	-1	NNW	3	ps	33	97	8	1500	CuNb	5	-	5
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	998.4	0	NNW	7	PH	43	75	8	5700	CuNb	6	-	6
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	992.7	0	WSW	4	bc+	37	92	8	•	StCu	2	CiCu	4
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	997.0	+1	W	3	b/sh	37	85	7	4000	Cu	3	-	3
Blacksod Point ...	16	1005.4	+1	W	5	o	40	85	7	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1003.5	-1	W'S	6	c	41	85	8	2500	Cu	7	-	7
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1001.0	+2	SW	5	bc	36	92	7	-	-	0	CiCu	5
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1003.6	0	SW'W	4	b	35	97	8	-	-	0	-	0
Gorleston	13	1005.6	+1	WSW	3	b-	36	85	7	-	-	0	ACu	2
Valencia (Cahirciveen)	30	1008.6	0	NNW	4	bc(h)	40	97	9	•	Cu	4	-	4
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1007.2	-2	W	7	cjp	44	75	8	~~[illegible]~~ 2000	StCu	7	-	7
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	236	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	18	•	•	•	•	•	38	•	•	•	•	•	•	•
Croydon	244	1008.2	0	WSW	4	b-	38	85	8	•	-	0	-	0
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness ...	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1008.0	-1	W	3	b	35	85	7	-	-	0	-	0
Scilly (St. Mary's) ...	131	1011.6	-2	W	6	cpr	44	85	8	4000	CuNb	7	-	7
Falmouth (Pendennis)	200	1009.8	-2	W	4	oc+	44	85	7	4000	Nb	9	-	9
Plymouth (Cattewater)	82	-	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1003.5	0	W	5	b	45	65	8	-	-	0	ACu	2
Southampton (Calshot)	12	1005.9	-1	WSW	3	b	37	85	8	4000	CuNb	1	-	1
Dungeness	21	1007.0	-1	NW	4	bc-	39	85	8	1200	CuNb	2	CiCu	5
Guernsey														

Observations at 0700 G.M.T. 18th

Stations.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud Height Feet	Low Form	Low Amt. 0–10	Upper Form.	Total Amt. 0–10	Sea 0–9
Lerwick	980.4	0	NNW	5	opr₀	42	92	6	4000	Nb	9	-	9	4
Stornoway	994.3	+5	N	5	bcPS	39	85	7	800	Nb	5	-	5	4
Wick	984.9	+3	NW	6	or	41	85	8	2500	Nb	5	ASt	10	3
Castlebay	996.8	+3	N	3	b/s(h)	40	92	8	2500	CuNb	3	-	3	3
Nairn	991.0	•	WNW	2	c/r	35	97	8	1500	St	8	-	8	•
Aberdeen	987.1	-1	WNW	5	orsrs	36	92	6	1500	Nb	10	-	10	0
Malin Head	997.4	-1	NW	6	cPR-	43	85	8	5700	CuNb	5	CiCu	7	7
Renfrew	994.9	-1	W	3	o/r	36	92	~~x~~ 8	2500	StCu	9	-	9	•
Edinburgh (Inchkeith)	992.6	0	SW	5	c+	38	85	8	•	CuNb	4	CiSt	8	3
Leuchars	991.2	0	SW	3	c-	35	85	8	-	-	0	ASt	8	•
Eskdalemuir	996.0	0	SW	6	brs₀	34	92	6	1500	Nb	10	-	10	•
Tynemouth	995.4	-2	W	4	bc	37	92	7	1500	Cu	5	-	5	1
Blacksod Point	1004.8	0	NW	6	oPH	41	85	3	•	•	•	•	10	6
Donaghadee	1000.4	0	W	3	c+	37	75	8	450	St	8	-	8	3
Birr Castle	1006.4	•	W	2	b-	34	85	4	2500	StCu	2	-	2	•
Holyhead	1002.5	0	W	6	bc	43	85	8	2500	Cu	5	-	5	6
Liverpool (Bidston)	1000.8	-1	WSW	6	c/tlr	40	92	8	2500	Cu	8	-	8	6
Chester (Shotwick)	1002.8	-2	W	2	b-	38	75	6	1500	StCu	1	ASt	2	•
Spurn Head	1000.0	-1	SW	5	bc+	36	92	7	-	-	0	CiSt	6	3
Birmingham (Edgbaston)	1003.6	-1	SW	3	b+	32	92	8	2500	StCu	1	CiSt	3	•
Nottingham	1002.3	0	SW	3	o	34	92	6	1500	Nb	9	-	9	•
Cranwell	1002.1	-2	WSW	4	bc	33	97	8	4000	StCu	1	CiSt	4	•
Gorleston	1004.2	-1	SW	2	b	33	85	8	-	-	0	ASt	2	0
Valencia (Cahirciveen)	1011.7	+1	W	5	bc+	44	65	7	1500	StCu	6	-	6	6
Roches Point	1009.9	+2	WNW	3	b	38	92	8	-	-	0	-	0	0
Pembroke (St. Ann's H.)	1006.0	+1	W	5	bc	41	85	8	4000	Cu	4	-	4	~~[illegible]~~ 6
Ross-on-Wye	1004.2	-1	SW	2	bc	35	85	8	4000	StCu	4	Ci	5	•
Leafield	1005.4	-2	W	2	o-	31	92	8	4000	Cu	5	Ci	9	•
Andover	1004.9	-3	NWW	3	o	35	97	8	2500	St	10	-	10	•
S. Farnborough	1004.2	-3	W'S	2	o	33	97	9	2500	StCu	7	ASt	10	•
London (Kew Obsy.)	1004.5	-4	SW	1	o	35	85	8	4000	StCu	3	ASt	10	•
Croydon	1005.1	-4	SW	2	o+	34	92	7	4000	StCu	3	ASt	10	•
Clacton-on-Sea	1004.1	-2	W	3	bc	35	92	7	-	-	0	ASt	5	1
Shoeburyness	1004.3	-6	SW'S	2	o+	36	85	7	4000	StCu	9	-	9	•
Grain	1004.3	-4	SW	3	o	34	92	6	1200	StCu	9	-	9	0
Lympne	1004.5	-4	W'S	2	o	32	92	8	2500	St	2	ASt	10	•
Scilly (St. Mary's)	1008.8	-2	WNW	7	c	43	92	8	4000	CuNb	7	-	7	6
Falmouth (Pendennis)	1008.3	+1	NW	3	bc/r	42	75	8	5700	Cu	4	-	4	0
Plymouth (Cattewater)	1006.7	-1	W	3	cph₀	39	92	8	1500	CuNb	8	-	8	0
Portland Bill	1003.9	-4	NW	5	or	42	75	8	2500	Nb	10	-	10	0
Southampton (Calshot)	1005.0	-3	NWW	2	o+	39	85	8	1500	St	10	-	10	4
Dungeness	1004.6	-2	W	1	c+	36	97	8	-	-	0	ASt	8	4
Guernsey	1006.0	-3	W'S	5	bcd₀	44	85	8	2500	CuNb	5	-	5	4

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 14th Nov. 1923

Stations.	Weather Fore-noon.	Weather After-noon.	Temperature Min. Night. 16th–14th °F.	Temperature Max. Day. 14th °F.	Rainfall† Night 17h.–9h. 16th–14th mm.	Rainfall† Day 9h.–17h. 14th mm.	Sunshine	Sunshine Sunrise to Sunset. 14th hr.
Montrose ...	ocbc	bcc	34	39	2	-		1.1
Berwick-on-Tweed	brsrs	cbco	36	40	1	-		1.5
Llandudno	cpc	c	40	44	12	0.1		0.8
Colwyn Bay								
Rhyl...	rcbc	crbcc	39	45	15	1		1.3
Southport	hcbc	hcoco	38	43	22	3		1.2
Blackpool	cb	ph	39	44	20	0.6		1.1
Ilkley	osors	borsb	32	41	18	2		0.6
Harrogate	cp	bcb	32	42	13	0.1		0.1
Skegness	boro	crsc	37	44	1	0.1		4.5
Aberystwyth ...	rc	o	43	46	5	-		1.0
Bath	bcbcb	bbcc	39	46	5	0.1		2.6
Leamington Spa ...	c	c	39	45	6	-		4.3
Lowestoft	bbco	p₀oco	38	46	1	0.1		5.4
Felixstowe	bc	oc	38	46	3	-		4.9
Southend	bc	bc	37	40	3	-		3.8

Stations.	Weather Fore-noon.	Weather After-noon.	Temperature Min. Night. 16th–14th °F.	Temperature Max. Day. 14th °F.	Rainfall† Night 17h.–9h. 16th–14th mm.	Rainfall† Day 9h.–17h. 14th mm.	Sunshine	Sunshine Sunrise to Sunset. 14th hr.
Ilfracombe	cbcq	cq	42	50	3	0.2		2.0
Bude	prhcc	prhcc	42	52	3	1		2.4
. ...								
Torquay	cpbc	crspc	43	48	3	3.5		2.6
Weymouth	qrc	qcchp	43	48	2	0.4		3.0
Bournemouth ...	bc	bcr	40	48	3	-		4.2
Portsmouth (S'thsea)	bbc	bbc	41	47	3	-		6.0
Littlehampton ...	bc	bc	38	46	2	-		5.8
Worthing	bc	bc	41	47	5	-		5.7
Brighton	b	bcb	43	47	4	-		5.0
Eastbourne	bcb	b	44	48	9	-		4.0
Hastings	hocb	bbccb	42	47	8	-		5.6
Folkestone	r	bc	38	53	6	-		5.8
Dover	cbcb	bbcm	43	48	6	-		5.5
Tunbridge Wells ...	brc	bbcb	39	47	4	-		5.9
Ramsgate	bcb	bbcb	37	46	2	-		4.8
Margate	cbcb	bbc	43	48	3	-		4.3
Deal	rqbc	bbbc	41	46	4	-		5.7

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 5. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 22642 MONDAY, 19th NOVEMBER 1923. Page 1

Observations at 1300 G.M.T. 18th

Stations (For heights see p. 4)	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground
Lerwick	987.1	+7	ENE	4	bc	44	85	7	4000	Cu	3	CiSt	5	•
Stornoway	996.4	+2	WNW	3	o	40	92	7	450	St	10	-	10	•
Wick	988.4	+3	NW	7	o|r	42	75	8	1500	St	6	ASt	10	•
Castlebay	1000.4	+1	NW	5	o-	45	75	8	2500	CuNb	9	-	9	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	988.6	+1	WNW	6	o|r	41	75	7	-	-	0	ASt	9	1
Malin Head	1001.3	+3	NNW	4	ch(r)	44	85	8	5700	CuNb	6	CiCu	7	•
Renfrew	997.4	+2	WNW	3	o.	40	85	8	4000	StCu	9	ASt	10	2
Edinburgh (Inchkeith)	993.8	+1	W	4	o+	41	75	8	•	-	0	ASt	9	•
Leuchars	993.1	+1	W	4	o	40	65	8	-	-	0	ASt	9	1
Eskdalemuir	996.6	0	W'N	5	o	35	85	7	1500	StCu	1	ACu	9	8
Tynemouth	995.3	-1	WNW	4	bc	41	75	7	800	St	3	Ci	5	•
Blacksod Point	1006.5	+1	NW	5	o	45	65	8	•	•	•	•	10	•
Donaghadee	1001.5	+1	W'N	4	bc-	42	85	8	450	StCu	4	CiSt	6	•
Birr Castle	1006.3	•	W	2	c+	41	85	7	4000	Nb	8	-	8	•
Holyhead	1001.4	-1	W'N	7	o	44	85	8	2500	Cu	9	-	9	0
Liverpool (Bidston)	999.4	-1	W	5	bc|r	42	92	8	2500	Cu	5	CiSt	9	•
Chester (Shotwick)	1000.5	-2	W	5	cr₀	42	85	7	1500	StCu	8	-	8	2
Spurn Head	997.5	-3	SW	5	o+	40	85	6	1500	St	7	CiSt	9	•
Birmingham (Edgbaston)	1001.3	-3	WSW	5	bc+	43	65	8	2500	Cu	4	Ci	6	1
Nottingham	999.9	-5	SW	3	opr₀	42	75	6	1500	StCu	10	-	10	•
Cranwell	1000.2	-3	W'S	4	o	41	85	8	4000	StCu	8	ACu	9	1
Gorleston	1002.2	-1	WSW	2	b	44	92	7	-	-	0	ACu	2	•
Valencia (Cahirciveen)	1011.4	-1	WNW	4	cjp	46	75	8	1500	StCu	7	ASt	8	1
Roches Point	1009.1	-1	WNW	5	cpr₀	42	97	8	2500	CuNb	8	-	8	•
Pembroke (St. Ann's H.)	1006.4	0	WNW	7	cjp	45	85	8	1500	Nb	8	-	8	•
Ross-on-Wye	1003.4	-2	WSW	3	o+	43	65	9	4000	StCu	8	Ci	9	1
Leafield														
Andover	1004.3	0	W'N	5	b	43	75	8	4000	Cu	1	-	1	1
S. Farnborough	1004.1	+1	W	2	b-	45	75	9	4000	Cu	1	CiSt	2	0
London (Kew Obsy.)	1003.6	+2	W	3	b	43	65	6	4000	Cu	1	-	1	0
Croydon	1004.1	-1	WNW	3	b-	43	75	6	2500	Cu	1	-	1	1
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1002.6	-4	W	2	b-	43	75	8	-	-	0	ASt	1	•
Grain	1003.0	-1	W	4	ffb	42	75	5	-	-	0	ASt	1	1
Lympne	1003.2	-1	WNW	3	b-	40	85	6	-	-	0	CiSt	2	1
Scilly (St. Mary's)	1011.2	0	W'N	6	bc	48	85	8	4000	CuNb	5	-	5	•
Falmouth (Pendennis)	1011.3	+2	WNW	5	b|s(h)	47	65	8	7200	Cu	3	-	3	•
Plymouth (Cattewater)	1009.0	+1	WNW	4	bcjp	46	85	7	2500	CuNb	5	-	5	2
Portland Bill	1005.7	0	NW	5	b	45	55	8	-	-	0	-	0	•
Southampton (Calshot)	1005.2	0	WNW	5	b-	44	75	8	4000	Cu	1	CiCu	2	0
Dungeness	1002.8	-2	NW	13	c-	40	92	7	-	-	0	ASt	8	•
Guernsey	1008.5	+3	WNW	5	bc	45	75	8	4000	Cu	4	-	4	•

Observations at 1800 G.M.T. 18th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	992.3	+6	NE	2	or₀+	41	97	6	4000	Nb	10	-	10	1
Stornoway	999.1	+3	NW	3	bc-	39	92	7	450	St	6	-	6	2
Wick	992.3	+5	N	5	oR-	40	92	7	2500	Nb	10	-	10	6
Castlebay	1002.1	+3	NW	5	bc/s(h)	44	75	8	2500	CuNb	6	-	6	4
Nairn	996.5	•	NNW	4	c	41	75	8	1500	St	8	-	8	•
Aberdeen	991.3	+5	NNW	6	orr	38	97	7	1500	Nb	10	-	10	3
Malin Head	1002.4	+1	NW	6	bc|r	46	85	8	5700	Cu	4	CiCu	6	6
Renfrew	997.7	+1	WNW	3	o|r	41	85	7	1500	St	10	-	10	•
Edinburgh (Inchkeith)	994.8	0	W	4	c	41	75	8	•	StCu	5	ASt	8	2
Leuchars	994.0	+2	WNW	4	o	40	75	8	4000	StCu	5	ASt	9	•
Eskdalemuir	996.3	0	WNW	7	c	37	75	7	2500	StCu	8	-	8	•
Tynemouth	995.3	0	W	2	bc	39	85	7	800	St.	3	ACu	6	1
Blacksod Point	1008.7	+2	W	4	bc-	45	65	7	•	•	•	•	6	5
Donaghadee	1002.1	+1	WNW	4	o+	39	85	7	450	St	10	-	10	4
Birr Castle	1007.4	•	W	1	bc-	36	92	6	4000	Cu	4	-	4	•
Holyhead	1002.6	+2	NWW	5	c	45	85	9	2500	Cu	8	-	8	5
Liverpool (Bidston)	1000.9	+2	W	5	bc|r	42	92	8	2500	StCu	5	-	5	6
Chester (Shotwick)	1000.5	0	W'N	4	ch(R)	41	85	6	2500	CuNb	6	CiSt	7	•
Spurn Head	996.8	+1	W	5	c	39	92	6	4000	StCu	8	-	8	4
Birmingham (Edgbaston)	1002.0	+1	WSW	3	bc+	37	85	6	4000	St	5	-	5	•
Nottingham	999.9	+2	W	2	bc-	38	85	7	-	-	0	CiSt	5	•
Cranwell	999.7	0	W'S	4	o|r	36	97	7	2500	St	7	ASt	10	•
Gorleston	1000.7	-1	WSW	3	c+	40	97	7	5700	StCu	8	-	8	0
Valencia (Cahirciveen)	1011.1	+1	NW'N	4	c-	45	75	8	2500	StCu	7	-	7	4
Roches Point	1008.6	+1	NW	3	b-	40	97	8	4000	CuNb	1	CiSt	3	0
Pembroke (St. Ann's H.)	1005.7	0	W	5	cjp	44	85	8	1500	Cu	7	-	7	6
Ross-on-Wye	1002.0	0	W	1	c	40	75	8	4000	CuNb	6	Ci	8	•
Leafield	1001.7	-5	W	3	bc|r	37	85	8	-	-	0	ACu	4	•
Andover	1003.8	0	W'S	3	o+	38	85	8	4000	StCu	9	-	9	•
S. Farnborough	1003.1	-2	W'S	2	or₀	40	92	8	1500	Nb	8	ASt	10	•
London (Kew Obsy.)	1002.3	-1	WSW	3	cpr₀	40	85	6	4000	StCu	7	CiSt	8	•
Croydon	1003.3	0	W'N	4	opr₀	40	85	6	2500	Nb	7	ASt	10	•
Clacton-on-Sea	1001.4	-2	W	3	od₀	41	75	6	2500	St	10	-	10	0
Shoeburyness	1001.5	-3	W'S	3	opr₀	40	85	7	2500	Nb	1	ASt	10	•
Grain	1001.7	-2	W	5	o-	40	75	7	4000	StCu	6	CiSt	9	0
Lympne	1003.1	0	W'S	3	bc+	35	85	6	-	-	0	CiSt	4	•
Scilly (St. Mary's)	1010.8	0	NW'W	7	bcbr₀	46	85	8	4000	CuNb	4	-	4	6
Falmouth (Pendennis)	1008.8	-2	WNW	3	b|s(h)	42	85	8	7200	Cu	3	-	3	0
Plymouth (Cattewater)	1007.4	-1	W'S	3	oPR+	42	92	7	2500	CuNb	9	-	9	0
Portland Bill	1005.1	-4	WNW	7	c|r	44	75	8	4000	CuNb	8	-	8	6
Southampton (Calshot)	1004.3	-1	W	4	or+	41	85	8	800	Nb	9	-	9	0
Dungeness	1002.1	-1	NW	4	bc-	40	85	8	-	-	0	Ci	3	3
Guernsey	1008.4	-1	WNW	6	cPR	46	75	8	2500	CuNb	7	-	7	5

London Observations	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
		24 Hours ended 0900 G.M.T. 19								Yesterday	Yesterday	To-day
Kew } 24 hours ended 0700	18	bzxbz	bzb.y	cmbng	•	•	28	0.1	tr	4.5	•	•
Croydon } 24 hours ended 0700	244	abmz	bzulj	cbxm	•	•	30	tr	1	4.4	•	•
Greenwich (Royal Obsy.)	149	cm	cam	obobx	42	34	28	-	-	1.8	69	88
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.2	•	•
Westminster (St. James' Pk.)	27	•	•	•	43	34	23	-	-	3.0	71	83
Regent's Pk. (Botanic Gdns).	—	•	•	•	•	•	•	•	•	4.3	•	•
Camden Square	110	bc	bcc	•	45	34	30	-	-	•	•	91
Kensington Palace	80	bc	bc0	•	45	34	25	-	-	•	(At 18h) 77	83
Hampstead Observatory	450	•	•	•	44	31	25	-	13	5.1		91

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 18

South Kensington Max.	Time.	Min.	Time.
-	-	-	-

Kew Observatory Max.	Time.	Min.	Time.
-	-	-	-

Pole Star Record at Greenwich Obsy.

Exposure from 18 17 h 00 m. to 19 06 h 30 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	13 30	11 48	87
δ Ursae Minoris	13 30	11 10	83

Code for State of Ground.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

Radio Disturbances (Atmospherics) at Croydon.[1]

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.	C	5	-	95°
19h.	C	6	-	170°
01h.	C4	6	-	40°
07h.	C4	6	-	80°

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

19. & 22 Nov., 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.22 / 7.24	11.38 / 11.39	3.55 / 3.54
Greenwich	7.26 / 7.28	11.45 / 11.46	4.5 / 4.4
Wick	8.12 / 8.14	11.57 / 11.58	3.43 / 3.42
Valencia	8.9 / 8.11	12.26 / 12.27	4.44 / 4.43

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.
<= { less than (for cloud height). before (for precipitation).
⨁ = 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; - = "decreasing"; + = "increasing."

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.

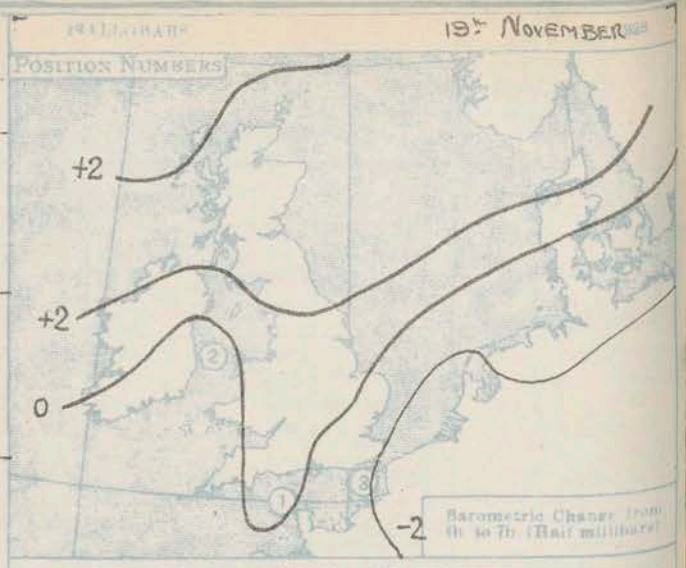
Sea Disturbance.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 1

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 18th	13h.-18h. 18th	18h. 18th to 1h. 19th	1h.-7h. 19th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 18th Hours.
Lerwick	cqs	omr	bcq	cpr	45	37	•	1	2	<0800	0230	1.2
Stornoway	oo	c	c	p	41	35	•	1	3	-	-	0.0
Wick	oirqs	oRR	arrcp	cpr	42	38	•	8	5	<0800	<2100	•
Castlebay	bcopo	ochbc	bcpbcd	ap bc	45	37	•	0.5	3	-	-	0.8
Nairn	pcqq	cqq	cqp	prqc	41	37	•	1	0.4	0900	0330	0.0
Aberdeen	orsrqs	oqsrqs	oqir	ocir	41	36	33	6	8	<0800	<2100	0.1
Malin Head	coihr	ihrco	PR	coPR	46	40	•	1	1	<0800	2200	0.4
Renfrew	opo	odopo	ocbc	bbx	42	34	26	0.1	-	<0800	-	0.5
Edinburgh (Inchkeith)	oo	c	c	c	42	39	37	-	-	-	-	0.0
Leuchars	~~oo~~	oo	oc	~~oo~~ c	42	35	28	-	-	-	-	0.2
Eskdalemuir	oiroco	pcoc	c	c	37	33	31	1	-	<0800	-	1.9
Tynemouth	cqs	b-bc	c	mpo	42	37	34	-	0.3	-	0330	•
Blacksod Point ...	h-rh	h-rh	p	h-rh	46	36	•	-	2	-	-	•
Donaghadee	bcqps	bcps	cp	c.	44	38	•	2	1	<0800	<2100	•
Birr Castle	cPR	cobc	bcx	bcx	41	34	26	1	-	-	-	1.7
Holyhead	bccoqs	oocqv	cobcq	bcc	45	44	42	-	-	-	-	0.0
Liverpool (Bidston) ...	opqs	p	p	p	44	40	33	1	1	<0800	<2100	3.7
Chester (Shotwick) ...	bcorqs	cPHqs	bcq	bcprhbc	46	40	34	0.6	1	~~<0800~~ 1130	0230	5.0
Spurn Head	c	cospc	c	ocbc	41	37	•	0.5	-	1430	-	2.3
Birmingham (Edgbaston)	bcbbc	orbc	bcc	caiRbc	43	38	31	1	4	1330	0230	4.7
Nottingham	c	p	bc	f-m	42	35	29	1	-	1430	-	2.2
Cranwell	bcxco	opcpo	ccx	c	42	33	29	2	-	1430	-	4.1
Gorleston	b	b	co	ocxlc	44	34	29	-	-	-	-	7.1
Valencia (Cahirciveen)	cpbcp	copsc	cbcop	bcopc	47	41	36	3	2	0900	2400	2.6
Roches Point	cpo	ccpb	bw	bb	45	37	•	2	trace	0900	-	
Pembroke (St. Ann's H.)	cqp	cqph	c	c	46	39	•	0.2	2	1430	2200	3.7
Ross-on-Wye	cbvbccv	opocv	bvcb	bc	45	36	31	trace	-	1430	-	3.7
Leafield		bbudb	doco		47	32	26	0.3	0.2	1430	0330	5.5
Andover	ocbcb	bbcco	ocbcb	bxbm	44	29	22	-	-	-	-	5.7
S. Farnborough ...	ob	bcoro	ocbc	bcbx	46	30	22	trace	trace	1730	<2100	4.5
London (Kew Obsy.) ...	bzxbz	bzbcpm	cmbmx	bxbcmx	44	35	28	0.1	trace	1730	-	4.5
Croydon	obmz	bozmpo	oprbx	cbxm	44	35	30	trace	1	1730	<2100	4.4
Clacton-on-Sea ...	bccbc	bcogbd	ogbdc	cbc	43	34	30	trace	0.1	1730	<2100	5.8
Shoeburyness	b-bc	bbmbcmo	ocbc	b	44	34	31	-	-	-	-	4.6
Grain	cbcbm	bbcm	ocbcb	bxm	42	33	28	trace	trace	-	-	2.8
Lympne	obm	bbcm	bcbm	bcbxm	41	30	25	-	trace	-	-	3.9
Scilly (St. Mary's) ...	bcpqs	bccpqs	cpq	cq	49	43	•	0.6	0.4	<0800	<2100	4.8
Falmouth (Pendennis)	bc	bc	bch	bcbr	47	42	•	2	0.3	0900	<2100	5.3
Plymouth (Cattewater)	cphrob	bcop	obbc	obcp	49	38	28	0.6	2	-	<2100	5.6
Portland Bill	b-bc	h-rh	bbc	bbc	47	42	•	3	-	<0800	-	•
Southampton (Calshot)	c	bccpqs	orqcbc	bcx	45	35	31	0.3	0.3	1330	<2100	4.8
Dungeness	c	b-bc	bcx	bbcx	43	38	•	-	-	-	-	•
Guernsey	cbcb	bpc	cph	c	46	40	•	0.4	2	1430	<2100	*



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc	Wind. Force.	Weather.	Temp. Air.	Temp. sea.	Visibility.
2	18th 1005	ANGLIA	W'N	6	?	42	51	8
3	19th 0200	DIEPPE	NW	4	b+	41	52	7

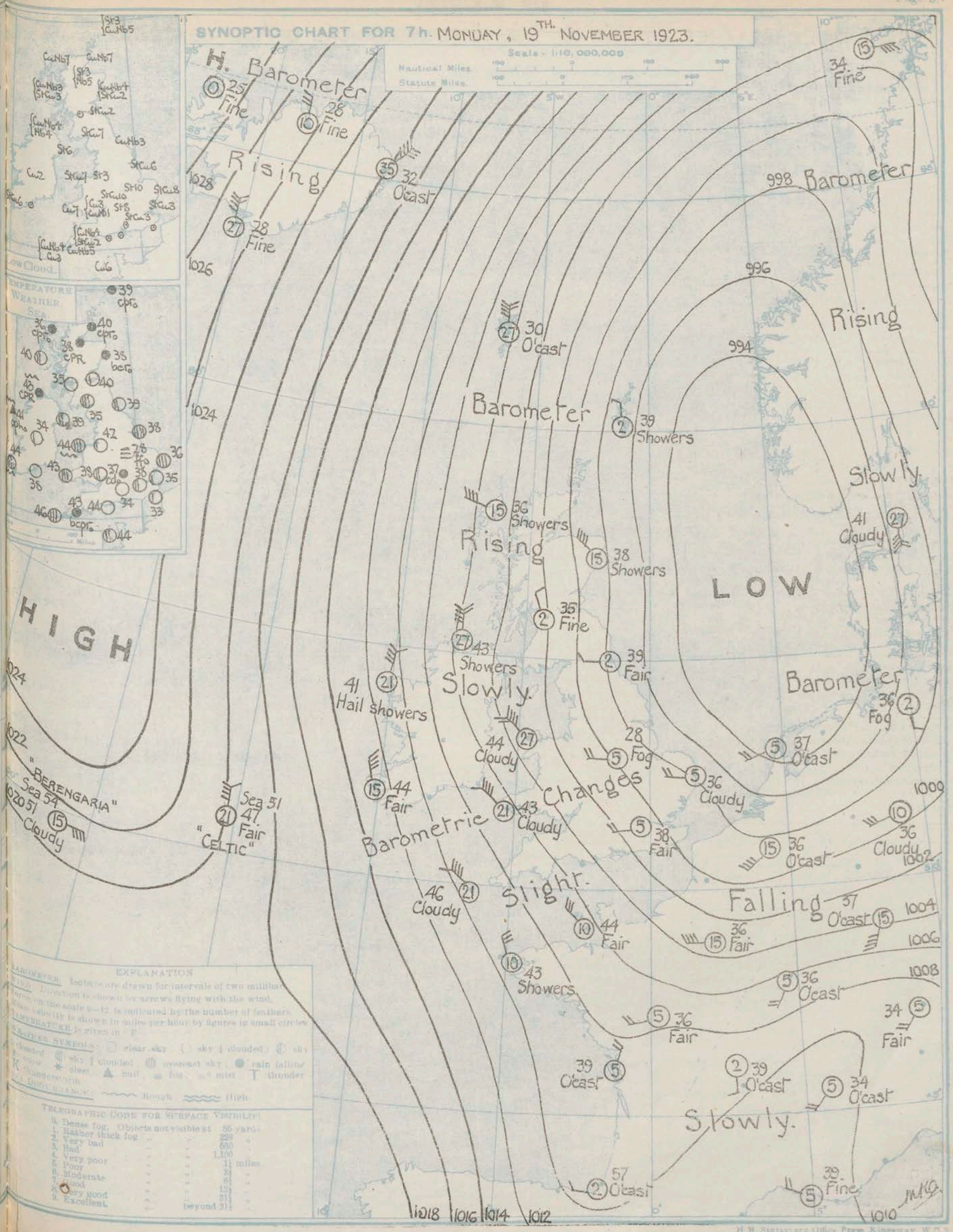
GENERAL INFERENCE.

The depression centred over the North Sea is moving little and growing gradually less deep, while there are indications of an anticyclone off the west of Ireland. Cold N.W. or N. winds are likely to continue with frost in places at night. In the North occasional showers of rain or sleet are probable with bright intervals. In the South weather will be mainly fine.

Districts.	Forecasts for the 24 hours commencing 15h G.M.T. Monday, 19th November, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind N.W. or N., light or moderate; mainly fine; mist or fog locally at night; cold, night frost in places.	Cold with northerly or northeasterly winds.
5. S.W. England 6. South Wales 7. North Wales	Wind N.W. or N., moderate, fresh in places; mainly fair, local showers of rain or hail; visibility mainly good; cold, frost in places at night.	----------
8. N.W. England 9. N. Midlands 10. N.E. England	As 1 - 4.	
11. E. Scotland	As 5.	
12. S.W. Scotland 13. Isle of Man	As 14 - 18.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	As 5.	
19. S.E. Ireland 20. S.W. Ireland	Wind N.W. to N., moderate, fresh or strong locally; bright periods, some showers of rain, hail or sleet; visibility good; cold, frost locally at night.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0930 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code, see opposite page.


SYNOPTIC CHART FOR 7h. MONDAY, 19TH. NOVEMBER 1923.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
H. Barometer
Rising
Baromet er
Rising
Slowly
LOW
HIGH
Baromet er
Rising
Slowly.
Baromet er
Baromet ric Changes
Slight.
Falling
Slowly.
"BERENGARIA"
"CELTIC"
EXPLANATION
TELEGRAPHIC CODE FOR SURFACE VISIBILITY

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Monday 19th November.....1923. No. 323...

Observations at 0100 G.M.T. 19th

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.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	993.3	+2	N	4	b	42	75	7	-	-	0	A.St	2
Stornoway	51	1003.3	+3	N	4	0	•	•	8	•	•	•	•	•
Wick	81	997.1	+5	NNW	4	c	42	75	8	2500	CuNb	3	Ci	7
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1004.5	+1	NNW	6	bcPR	44	85	8	5700	CuNb	5	Ci.Cu	6
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	997.9	+2	WNW	4	0+	41	65	9	•	Cu	6	A.Cu	9
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	996.6	+1	W	2	bc-	39	75	7	1500	Cu	5	-	5
Blacksod Point ...	10	1010.7	+2	NW	6	bc	44	75	7	•	•	•	•	6
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1002.7	0	NWW	7	c+	45	92	8	2500	Cu	4	A.St	7
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	996.1	+1	NW'W	6	0	40	92	7	2500	St	10	-	10
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	267	998.7	-1	W	4	bc	36	97	6	4000	St.Cu	2	A.Cu	5
Gorleston	13	999.6	-1	WS	3	0+	36	92	7	4000	Nb	10	-	10
Valencia (Cahirciveen)	30	1010.3	0	NW	2	0PR	45	92	9	-	St	10	-	10
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1007.0	0	WNW	4	bc	43	85	8	4000	Cu	6	-	6
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	656	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	250	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	18	•	•	•	•	•	35	•	•	•	•	•	•	•
Croydon	244	1002.7	-1	WS	3	c+	35	92	7	-	Ci.St	8	-	8
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1002.1	0	WNW	3	bc+	33	92	6	-	-	0	A.Cu	5
Scilly (St. Mary's) ...	131	1004.9	0	NW	5	c	45	97	8	4000	CuNb	7	-	7
Falmouth (Pendennis)	200	1003.3	+1	NNW	3	b/h	43	75	8	7200	Cu	3	-	3
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1004.3	0	NW	3	b	42	75	8	-	-	0	-	0
Southampton (Calshot)	12	1004.2	0	W	4	b-	33	92	8	4000	St.Cu	~~10~~ 2	-	~~10~~ 2
Dungeness	21	1001.7	0	NW	2	b+	33	97	8	-	-	0	Ci	3
Guernsey														

Observations at 0700 G.M.T. 19th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea 0-9
Lerwick	997.1	+1	N	1	cbc	39	97	6	2500	CuNb	8	-	8	0
Stornoway	1005.1	+2	WNW	4	cbc	36	97	7	1500	CuNb	7	-	7	4
Wick	999.2	+3	NW	4	cbc	40	92	8	1500	CuNb	7	-	7	3
Castlebay	1006.7	+2	NNW	3	bc	40	75	8	2500	CuNb	4	-	4	3
Nairn	1002.0	•	NW	3	cPR	38	85	8	1500	Nb	8	-	8	•
Aberdeen	998.7	+3	NW	4	bc	38	92	7	1500	CuNb	6	-	6	3
Malin Head	1005.9	+3	N	6	cPR	43	85	8	4000	CuNb	8	-	8	6
Renfrew	1006.5	+3	NNW	1	b-	35	85	6	-	-	0	-	0	•
Edinburgh (Inchkeith)	999.0	+3	NW	3	b-	40	75	8	•	St.Cu	2	Ci.Cu	3	1
Leuchars	999.7	+3	NW	1	c	37	85	8	4000	St.Cu	7	-	7	•
Eskdalemuir	1001.1	+3	NNW	4	c	35	85	7	2500	St.Cu	7	-	7	•
Tynemouth	997.9	+3	W	1	bcf	39	85	6	1500	CuNb	3	Ci	5	1
Blacksod Point ...	1011.6	+2	N'E	5	obh	41	92	7	•	•	•	•	9	7
Donaghadee	1008.9	0	WSW	3	bc+	39	92	8	800	St	6	-	6	3
Birr Castle	1008.6	•	NW	2	b-	34	97	6	4000	Cu	2	-	2	•
Holyhead	1003.1	0	NW	6	c	44	85	8	2500	St.Cu	7	-	7	6
Liverpool (Bidston) ...	1004.5	+1	WNW	4	b+	42	92	6	2500	St	3	-	3	5
Chester (Shotwick) ...	1001.7	+2	NNW	5	b-	40	85	7	4000	St.Cu	3	-	3	
Spurn Head	997.0	+1	WNW	6	0	38	85	6	4000	St.Cu	6	A.St	10	4
Birmingham (Edgbaston)	1001.8	+1	WNW	4	bc	37	92	6	2500	St.Cu	3	A.Cu	4	•
Nottingham	1000.0	+1	W	2	ffo	38	85	3	1500	St.Cu	10	-	10	•
Cranwell	999.4	+1	WNW	4	b	36	92	6	2500	St	10	-	10	•
Gorleston	998.7	-1	W	2	c-	36	92	6	3700	St.Cu	8	-	8	0
Valencia (Cahirciveen)	1012.3	0	NNW	4	bc	44	75	8	2500	St.Cu	6	-	6	6
Roches Point	1010.0	0	NW	3	b	38	97	7	-	-	0	-	0	5
Pembroke (St. Ann's H.)	1006.3	-1	NW	5	c	43	92	8	2500	Cu	7	-	7	•
Ross-on-Wye	1002.0	0	W'N	2	bc	38	85	8	4000	Cu	4	-	4	•
Leafield	1002.3	+2	NNW	2	cb	37	97	8	2500	St	8	-	8	•
Andover	1003.1	0	W'N	3	b+	35	92	6	2500	St.Cu	2	Ci.St	3	•
S. Farnborough ...	1002.3	-1	WNW	3	b	34	85	8	-	-	0	-	0	•
London (Kew Obsy.) ...	1001.5	0	W'S	2	bc+	38	85	6	2500	St.Cu	3	A.Cu	5	•
Croydon	1001.3	-2	W'N	3	c	37	92	6	2500	St.Cu	3	Ci.St	7	•
Clacton-on-Sea ...	999.4	-1	W	3	b-	35	92	7	7200	St.Cu	3	-	3	0
Shoeburyness	1000.4	-1	NW	2	NNW	36	85	6	5700	St.Cu	1	-	1	•
Grain	1000.6	-2	WSW	4	b-	34	92	5	5700	St.Cu	1	A.Cu	3	0
Lympne	1001.1	-1	WNW	3	b	32	93	7	-	-	0	A.St	2	•
Scilly (St. Mary's) ...	1003.2	-1	NW	5	c+	46	92	8	4000	CuNb	7	-	7	4
Falmouth (Pendennis)	1007.4	-2	WNW	2	bcpr	43	75	8	5700	CuNb	5	-	5	0
Plymouth (Cattewater)	1006.5	-1	WNW	2	bcf	41	92	8	2500	CuNb	6	-	6	0
Portland Bill	1004.3	0	NW	1	b	44	85	8	-	-	0	-	0	4
Southampton (Calshot)	1003.5	-1	W	1	bc+	37	85	8	-	-	0	Ci	4	0
Dungeness	1003.6	-2	NW	2	b	35	97	8	-	-	0	A.Cu	3	3
Guernsey	1006.7	0	NW'N	3	bc-	44	75	8	4000	Cu	6	-	6	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 18th

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 17th-18th °F.	Temperature. Max. Day. 18th °F.	Rainfall.† Night 17h.-9h. 17th-18th mm.	Rainfall.† Day 9h.-17h. 18th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 17 hr.
Montrose ...	noc	co	33	42	-	-		0.1
Berwick-on-Tweed	cbcoc	cbcou	35	42	-	-		2.5
Llandudno	cbo	oc	40	44	1	0.1		1.2
Colwyn Bay	br	bc	38	44	-	1		2.0
Rhyl	bcch	c	38	45	2	0.4		1.9
Southport	bcpbc	bcpbc	40	43	1	1		1.2
Blackpool	c	bhq	40	45	1	0.4		1.2
Ilkley	bprsc	bcbcc	35	42	1	2		2.1
Harrogate	bccp	bcc	34	41	-	0.4		2.0
Skegness	bxc	crc	32	43	-	0.2		5.0
Aberystwyth ...	ocb	o	41	45	0.3	-		2.0
Bath	bcb	bbcco	31	46	1	-		5.0
Leamington Spa ...	bcb	or	29	44	-	1		5.2
Lowestoft	b	bbc	32	43	-	-		7.1
Felixstowe	b	bc	33	44	-	-		6.4
Southend	bc	bcoc	31	46	-	-		4.4
Ilfracombe	cbcph	cph	41	47	5	0.2		2.7
Bude	bcprh	prhcc	38	44	-	3		3.2
Torquay	p	b	37	50	5	0.1		6.0
Weymouth	c	cpc	36	46	3	1		4.7
Bournemouth ...	b	b	36	46	1	-		5.2
Portsmouth (S'thsea)	o	bbc	37	45	0.2	-		4.1
Littlehampton ...	bc	bc	34	44	-	-		3.9
Worthing	bc	b	34	44	-	-		3.8
Brighton	obb	bbc	36	47	-	-		3.5
Eastbourne	oc	bcb	36	45	trace	-		3.1
Hastings	moc	cbcb	34	42	trace	-		3.5
Folkestone	f	bc	32	50	-	-		2.3
Dover	omfmc	bcbm	36	42	-	-		1.8
Tunbridge Wells ...	omc	b	32	44	-	-		4.6
Ramsgate	obc	bcbm	32	42	-	-		3.1
Margate	p	bc	33	43	-	-		3.2
Deal	cbc	bc	34	44	-	-		2.9

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 8. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22643 TUESDAY 20th NOVEMBER 1923.

Observations at 1300 G.M.T. 19th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	State of ground.
Lerwick	998.4	+2	N	2	bcjp	41	92	7	4000	CuNb	4	–	4	•
Stornoway	1006.1	+1	NNW	5	cph₀	38	97	7	1500	CuNb	7	–	7	•
Wick	1000.1	0	NNW	4	cpH	40	92	8	1500	CuNb	7	CiSt	8	•
Castlebay	1008.3	+1	NNW	4	bc+	42	85	8	2500	CuNb	4	–	4	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1000.0	0	NW	4	or	39	97	7	1500	CuNb	10	–	10	2
Malin Head	1007.7	+1	NNW	6	cPR	41	92	9	4000	CuNb	7	CiCu	8	•
Renfrew	1004.6	+1	WNW	3	bc+	43	75	8	4000	StCu	4	–	4	1
Edinburgh (Inchkeith)	1002.5	+1	NNW	4	b	41	75	8	•	Cu	1	CiSt	2	•
Leuchars	1001.2	0	NW	4	b	42	65	8	4000	StCu	2	–	2	1
Eskdalemuir	1002.5	+1	NWW	6	b	37	75	7	4000	Cu	1	ACu	3	7
Tynemouth	[illegible]30.0	+2	NW	2	cjp	43	75	6	1500	CuNb	8	–	8	•
Blacksod Point	1012.8	+1	NW	5	o	42	75	8	•	•	•	•	10	•
Donaghadee	1006.2	+2	NNE	4	bc–	44	75	8	450	Cu	5	-	5	•
Birr Castle	1010.1	*	NW	2	bc+	42	85	8	4000	Cu	6	-	6	•
Holyhead	1004.3	+1	NWW	6	ojp	43	85	8	1500	Nb	9	–	9	1
Liverpool (Bidston)	1002.8	+1	NW	3	bc	43	65	8	4000	StCu	1	Ci	4	1
Chester (Shotwick)	1003.0	+2	NNW	5	bc	44	75	8	4000	Cu	1	Ci	4	2
Spurn Head	998.1	+2	NW	5	oPRt	42	85	6	2500	Nb	10	–	10	•
Birmingham (Edgbaston)	1002.0	0	WNW	4	mc–	42	85	6	4000	Cu	7	–	7	2
Nottingham	1001.0	0	NNW	4	b	44	75	5	–	–	0	ACu	1	1
Cranwell	1000.5	0	NW	4	b	42	85	6	–	–	0	ACu	1	1
Gorleston	998.2	0	WNW	3	or₀r₀	40	92	6	2500	Nb	10	–	10	•
Valencia (Cahirciveen)	1014.0	+1	N	4	cph₀	43	75	8	2500	StCu	7	–	7	
Roches Point	1010.4	-1	NNW	5	c+	45	85	8	4000	StCu	8	–	8	•
Pembroke (St. Ann's H.)	1006.9	0	WNW	5	c	43	85	8	4000	Cu	7	–	7	•
Ross-on-Wye	1002.8	-1	NW	3	b	45	65	9	4000	Cu	2	–	2	0
Leafield	1001.8	0	NWN	3	bc–	43	75	8	4000	Cu	4	–	4	*
Andover	1002.9	0	NW	4	bc+	44	75	7	1500	Cu	6	–	6	1
S. Farnborough	1002.0	-1	WNW	4	c+	45	75	8	2500	Cu	6	Ci	7	1
London (Kew Obsy.)	1001.1	-1	NW	2	o	45	65	6	4000	StCu	8	Ci	9	1
Croydon	1001.8	-1	NW	3	c	43	75	6	4000	Cu	6	Ci	7	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1000.0	-1	NW	5	mb+	43	75	6	4000	StCu	3	ACu	4	•
Grain	1000.4	0	WNW	5	b	44	75	7	1500	St	1	ASt	3	1
Lympne	1000.5	0	NN	4	bc+	42	75	5	2500	Cu	3	CiSt	4	2
Scilly (St. Mary's)	1009.0	0	NNW	4	bcph	46	97	8	4000	CuNb	5	–	5	•
Falmouth (Pendennis)	1008.5	+2	NNW	3	bc+	45	75	7	5700	Cu	5	–	5	•
Plymouth (Cattewater)	1006.1	-1	NW	4	bc–	47	75	8	2500	Cu	4	-	4	1
Portland Bill	1003.8	0	NW	4	bc+	46	65	8	4000	Cu	4	–	4	•
Southampton (Calshot)	1003.0	-1	NWW	5	bc+	46	65	7	2500	Cu	6	–	6	0
Dungeness	1000.1	-2	NNW	3	bc+	44	75	6	800	St	5	CiCu	6	•
Guernsey	1005.8	-2	NWW	4	bc	46	75	8	4000	Cu	5	–	5	•

Observations at 1800 G.M.T. 19th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1000.1	+4	N	2	bc	42	85	7	4000	Cu	3	CiSt	4	1
Stornoway	1006.0	0	N	4	opr₀	38	97	7	450	St	10	•	10	3
Wick	999.7	-1	NW	2	bc/r	38	92	8	2500	CuNb	4	Ci	6	6
Castlebay	1008.3	0	NNW	4	c+	41	85	8	1500	CuNb	7	•	7	4
Nairn	1003.0	•	NWN	2	c	36	85	8	1500	St	8	•	8	•
Aberdeen	1000.4	0	NW	4	or₀	37	97	7	1500	Nb	9	•	9	1
Malin Head	1008.5	0	N	5	bcph	43	85	8	4000	CuNb	5	CiCu	6	?
Renfrew	1004.7	0	WNW	2	o+	37	85	7	4000	StCu	10	•	10	•
Edinburgh (Inchkeith)	1003.1	+1	NW	3	o+	40	75	8	•	•	0	ASt	10	1
Leuchars	1001.8	0	NW	3	o	38	85	8	•	•	0	ASt	9	
Eskdalemuir	1003.3	+2	NW	5	bc+	34	75	7	5700	StCu	2	ACu	4	•
Tynemouth	1000.6	+1	WNW	2	bc+	38	75	6	800	St	2	ACu	6	2
Blacksod Point	1014.3	+1	NW	5	o	41	85	7	•	•	•	•	10	6
Donaghadee	1007.7	0	WN	4	c+	41	85	8	450	St	7	•	7	5
Birr Castle	1011.4	•	NW	2	bc–	35	97	6	4000	Cu	3	CiCu	4	•
Holyhead	1005.7	+2	NNW	6	ctl	43	92	8	2500	CuNb	8	•	8	6
Liverpool (Bidston)	1004.0	+2	NW	4	bc	41	65	7	4000	Cu	4	•	4	5
Chester (Shotwick)	1003.6	+1	NW	4	b	40	75	8	2500	Cu	3	•	3	•
Spurn Head	999.1	+2	NW	5	cpr₀	40	85	7	2500	CuNb	8	•	8	4
Birmingham (Edgbaston)	1003.7	+2	NW	4	mmb	38	75	5	•	•	0	CiCu	1	•
Nottingham	1002.3	+3	NNW	3	b	38	85	6	•	•	0	•	0	•
Cranwell	1001.9	+2	NWW	4	b–	36	92	6	4000	StCu	2	•	2	•
Gorleston	998.7	0	WNW	3	c–	39	92	7	4000	Nb	8	•	8	1
Valencia (Cahirciveen)	1015.2	+3	N	5	b–	42	75	8	2500	StCu	3	•	3	4
Roches Point	1011.6	+1	NNW	3	b	40	97	8	•	•	0	•	0	0
Pembroke (St. Ann's H.)	1007.2	+1	WNW	6	cjp	41	85	8	2500	Nb	7	•	7	5
Ross-on-Wye	1004.5	+2	WNW	1	b	36	85	8	4000	StCu	1	-	1	•
Leafield	1003.4	+1	NW	3	b–	36	85	4	•	•	0	ASt	3	•
Andover	1003.5	+1	WNW	3	b	35	92	7	2500	StCu	2	•	2	*
S. Farnborough	1002.9	+1	WN	2	b–	36	85	8	2500	StCu	2	Ci	3	•
London (Kew Obsy.)	1002.5	+2	WN	2	b	39	85	5	•	•	0	•	0	•
Croydon	1002.3	+1	WNW	2	bc	39	85	5	4000	Cu	4	ACu	5	•
Clacton-on-Sea	1000.7	+2	WNW	3	b	40	85	6	-	•	0	ASt	3	0
Shoeburyness	1001.1	+2	NW	1	mmb	39	85	5	-	•	0	•	0	•
Grain	1001.4	+2	W	4	mb	40 35	92	6	-	-	0	ACu	2	0
Lympne	1001.6	+2	NW	3	b	37	85	5	-	-	0	ACu	2	•
Scilly (St. Mary's)	1008.8	0	NNW	6	bc	46	97	8	4000	Cu	3	•	5	6
Falmouth (Pendennis)	1007.9	-1	N	5	cpr₀	47	65	7	5700	CuNb	8	•	8	0
Plymouth (Cattewater)	1006.7	+1	NW	3	orr	41	92	8	2500	Nb	10	•	10	0
Portland Bill	1003.8	0	NW	3	bc	43	75	8	4000	Cu	4	•	4	4
Southampton (Calshot)	1003.7	+2	WNW	3	b	37	92	8	-	-	0	•	0	0
Dungeness	1001.1	+1	N	2	b–	38	92	6	-	-	0	ACu	2	4
Guernsey	1005.5	0	NW	5	bc	44	75	8	4000	CuNb	5	•	5	1

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass. °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % Yesterday.	Humidity 9h. G.M.T. % To-day.
		24 Hours ended 0900 G.M.T. 20th										
Kew } 24 hours ended 0700	18	bmxoz	csbcbm	bcbmx	•	•	21	–	–	5.8	•	•
Croydon } 24 hours ended 0700	244	cbmz	czmb	bcdrmx	•	•	23	–	–	5.0	•	•
Greenwich (Royal Obsy.)	149	bco	mcb	bbcxm	44	30	22	–	–	0.3	70	89
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•
Westminster (St. James' Pk.)	27	•	•	•	46	29	23	–	–	2.3	60	87
Regent's Pk. (Botanic Gdns).	—	•	•	•	•	•	•	•	•	3.8	•	•
Camden Square	110	bxc	cb	•	45	19	25	–	–	•	•	94
Kensington Palace	80	–o	ob–	•	45	20	19	–	–	•	(At 18h) 7.8	87
Hampstead Observatory	450	•	•	•	44	20	19	–	–	7.7		96

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 19th

	Max.	Time.	Min.	Time.
South Kensington	–	–	–	–
Kew Observatory	0.4 / 0.5	10h. 18th / 3h. 19th	0.3	4h. 19th

POLE STAR RECORD at Greenwich Obsy.

Exposure from 19th 17h 00m. to 20th 06h 30m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13.30	13.18	99
δ Ursae Minoris	13.30	13.06	97

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	GC₂	3	-	130°
18h.	C	5	-	165°
01h.	C	5	-	55°
08h.	CC₂	6	-	100°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

20th & 21st November 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.24 / 7.26	11.39 / 11.39	3.54 / 3.52
Greenwich	7.18 / 7.20	11.40 / 11.40	4.4 / 4.3
Wick	8.14 / 8.16	11.58 / 11.58	3.42 / 3.40
Valencia	8.11 / 8.12	12.27 / 12.27	4.43 / 4.42

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.

<= { less than (for cloud height). before (for precipitation).
⊕ = 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; – = "decreasing": + = "increasing."

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.

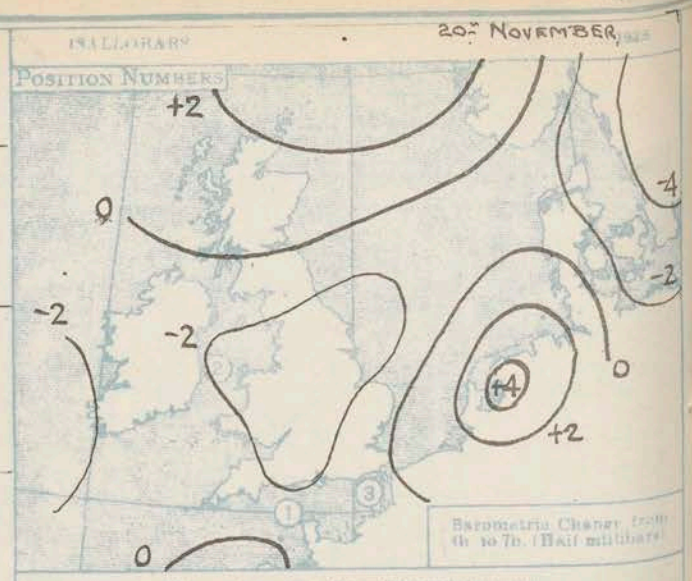
SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for those columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 19th	13h.-18h. 19th	18h. 19th to 11 20th	1h.-7h. 20th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 19th Hours.
Lerwick	bcpr	bc	bcpr	bcp	43	38	.	1	1	40800	2200	4.3
Stornoway	p	p	p	p	39	36	.	2	3	-		1.7
Wick	cophr	cpr	opc	cpr	42	36	.	3	0.3	09.00	<2100	.
Castlebay	bcpbc	bcresc	crsop	opbc	42	37	.	1	4	-	-	3.1
Nairn	cqq	cq	curq	cq	39	36	.	0.3	0.5	40800	<2100	0.0
Aberdeen	coir	oircir	oqirc	cqir	41	35	32	5	6	40800	<2100	0.8
Malin Head	colr	copr	copr	clhr	46	37	.	2	1	40800	<2100	1.1
Renfrew	bmbt	bccd	oc	cbcc	43	36	31	-	-	-	-	6.7
Edinburgh (Inchkeith)	bcb	c	c	bbc	42	37	34	-	-	-	-	5.1
Leuchars	cbcb	bbcco	oc	cbc	42	36	31	-	-	-	-	4.9
Eskdalemuir	bcb	bbc	bcb	bbcc	37	30	28	-	-	-	-	7.0
Tynemouth	rop	b-bcm	cm	orr	43	34	32	trace	5	40800	-	.
Blacksod Point	h	h or rh	h-hr	h-rh	44	35	.	1	1	-	-	.
Donaghadee	bc	cp	bcqps	cpqf	46	39	.	trace	3	15.30	<2100	.
Birr Castle	bc	bc	bc	bcx	42	32	30	-	-	-		5.6
Holyhead	tropH	rhr	co	cr	46	~~42~~ 44	39	2	0.4	11.00	~~<2100~~ 0330	0.3
Liverpool (Bidston)	bbc	b	bc	bc	44	37	34	-	trace	-	-	6.4
Chester (Shotwick)	bbq	b-bc	bbm	bbcopr	43	35	26	-	trace	-	0530	1.1
Spurn Head	copq	p	pbc	c	42	35	.	0.6	-	09.00	-	1.0
Birmingham (Edgbaston)	cm	cbcm	bmb	bbcom	43	~~37~~ 33	~~33~~ 28	-	-	-	-	~~3.8~~ 4.0
Nottingham	m	b-bc	b	f-mx	44	29	24	-	-	-	-	3.2
Cranwell	omcbc	bccb	bm	pbc	42	28	24	-	-	-	-	5.0
Gorleston	coq	orqrp	bc	bcx	41	31	28	0.3	0.2	12.30	<2100	2.0
Valencia (Cahirciveen)	bcphc	cphb	bccpb	bcopc	47	39	34	2	2	40800	<2100	3.5
Roches Point	bbcc	cpb	bw	bb	45	36	.	0.4	0.1	15.30	-	*
Pembroke (St. Ann's H.)	c	cqp	c	c	44	36	.	2	trace	15.30	<2100	3.3
Ross-on-Wye	bbcbv	bcb	bxcx	cx	45	32	23	-	-	-	-	6.3
Leafield	bc	bc	bx	bcx	44	27	19	-	-	-	-	7.2
Andover	bmcbc	bcb	bbmx	bmxbc	45	28	19	-	-	-	-	6.7
S. Farnborough	bc	cb	bx	bccxm	46	27	19	-	-	-	-	7.5
London (Kew Obsy.)	bmxoz	ozbczbm	bmbmx	bmx	45	29	21	-	-	-	-	5.8
Croydon	cbmz	czmb	bcbmx	bbcmx	44	31	23	-	-	-	-	5.0
Clacton-on-Sea	bcm	bc	bm	bbcmx	43	31	27	-	-	-	-	4.3
Shoeburyness	bmbcm	bcmbm	bm	bmx	44	30	27	-	-	-	-	5.0
Grain	bxmb	bcbxm	bxm	bxm	44	28	23	-	-	-	-	3.8
Lympne	bcm	bm	bmfx	bfxm	42	24	19	trace	trace	-	-	5.6
Scilly (St. Mary's)	cbcpq	bcqp	bcqp	bcqph	48	39	.	1	2	40800	<2100	4.2
Falmouth (Pendennis)	bcpr	bcpr	cprtl	bcpbc	47	38	.	0.2	4	16.30	<2100	4.5
Plymouth (Cattewater)	bccpb	bcpq	orqbc	bcop	47	38	?	0.4	3	40800	<2100	6.3
Portland Bill	bbc	b-bc	bbc	bbc	47	39	.	-	-	-	-	.
Southampton (Calshot)	bbc	b	b	b	47	31	27	-	-	-	-	6.7
Dungeness	bx	cm	bxm	mbx	44	29	.	-	-	-	-	.
Guernsey	c	cbc	oc	ir	49	38	.	-	4	-	2200	x



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	19th 1005	ANGLIA	NW	6	c	44	51	8
3	20th 0200	ARUNDEL	NW	2	bc	41	52	6

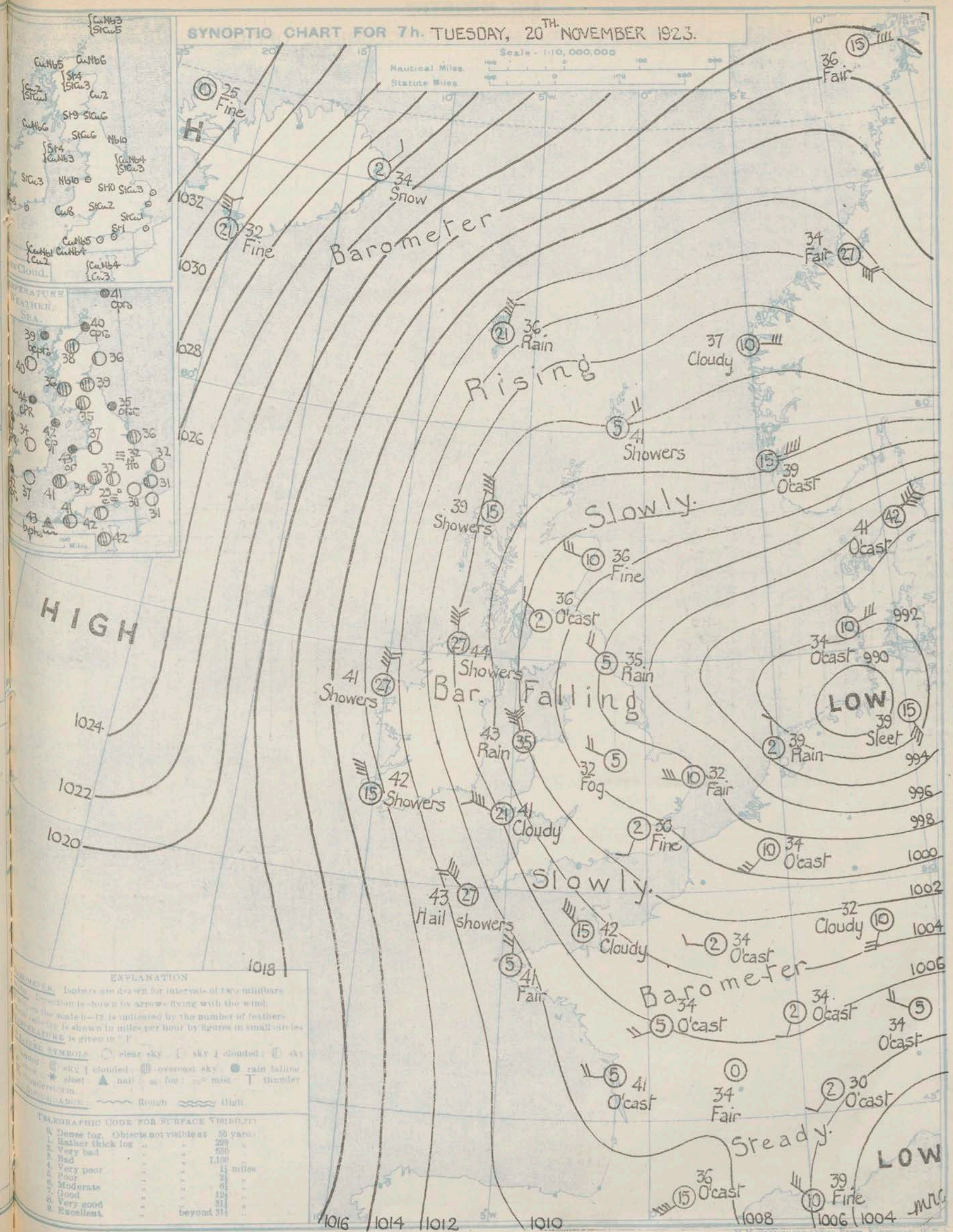
GENERAL INFERENCE.

Pressure remains low to eastward and high to westward and northwestward of the British Isles and the main wind current is likely to continue northerly. Weather will be cold and showery with hail or sleet in places.

Districts.	Forecasts for the 24 hours commencing 15h G.M.T. Tuesday, 20th November, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind NW., moderate, fresh at times; variable sky, some showers, or slight rain; mist or fog locally at night; cold.	None issued.
5. S.W. England 6. South Wales 7. North Wales	Wind NW. to N., strong at times; some showers of rain or hail, bright intervals; visibility mainly good; cold.	
8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind northerly, moderate or fresh, stronger at times; some showers of rain, hail or sleet, fair intervals; visibility moderate to good; cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind northerly, strong at times; some showers of rain or hail, bright intervals; visibility mainly good; cold.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0900 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page


SYNOPTIC CHART FOR 7h. TUESDAY, 20TH. NOVEMBER 1923.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
HIGH
H
LOW
LOW
Barometer Rising Slowly.
Bar. Falling Slowly.
Barometer Steady.
1032
1030
1028
1026
1024
1022
1020
1018
1016
1014
1012
1010
1008
1006
1004
992
994
996
998
1000
1002
1004
1006
25 Fine
34 Snow
32 Fine
36 Fair
34 Fair
36 Rain
37 Cloudy
41 Showers
39 O'cast
39 Showers
41 O'cast
36 Fine
36 O'cast
44 Showers
35 Rain
41 Showers
34 O'cast
39 Sleet
43 Rain
39 Rain
32 Fog
32 Fair
42 Showers
41 Cloudy
30 Fine
34 O'cast
43 Hail showers
42 Cloudy
32 Cloudy
41 Fair
34 O'cast
34 O'cast
34 O'cast
41 O'cast
34 Fair
30 O'cast
36 O'cast
39 Fine
EXPLANATION
TELEGRAPHIC CODE FOR SURFACE VISIBILITY
0. Dense fog. Objects not visible at 55 yards
1. Rather thick fog " " 220 "
2. Very bad " " 550 "
3. Bad " " 1,100 "
4. Very poor " " 1¼ miles
5. Poor " " 2 "
6. Moderate " " 4 "
7. Good " " 10 "
8. Very good " " 31 "
9. Excellent " beyond 31 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... TUESDAY, 20th NOVEMBER, 1923. No. 324.

Stations.	Height above M.S.L. in feet.	Observations at 0100 G.M.T. 20th: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1002.8	+2	ENE	2	b,p	43	85	7	4000	St.Cu	6	-	6
Stornoway	51	1006.0	0	N	4	PR	*	*	5	*	*	*	*	*
Wick	81	1001.2	+1	NNW	3	b,r	37	92	8	4000	Cu	5	Ci.St	6
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	71	1006.7	-2	NNW	6	c,pr.	43	85	8	5700	Cu.Nb	2	Ci.Cu	7
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1001.4	-1	NW	3	c	39	75	9	*	Cu	3	Ci.St	8
Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	118	1000.0	-1	WNW	2	o+	35	83	6	4000	St.Cu	10	-	10
Blacksod Point ...	10	1014.1	-1	NW	4	bc-	42	97	7	*	*	*	*	6
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	1004.3	-1	NW'N	7	c	43	85	8	2500	Cu	8	-	8
Liverpool (Bidston) ...	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	26	999.2	0	WNW	5	bc	36	92	7	-	-	0	Ci.St	6
Birmingham (Edgbaston)	525	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	237	1001.2	-1	W'N	4	b+	31	97	6	4000	St.Cu	1	A.St	3
Gorleston	13	999.3	0	W'N	3	bc+	35	85	6	2500	Cu	4	-	4
Valencia (Cahirciveen)	30	?	+1	NW	2	bc	42	92	7	-	Cu.Nb	4	A.Cu	7
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	149	1007.8	0	NW	5	c	40	85	8	2500	Cu	7	-	7
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	295	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	239	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	18	*	*	*	*	*	32	*	*	*	*	*	*	*
Croydon	244	1003.2	0	W	2	b-	32	92	6	-	-	0	-	0
Clacton-on-Sea ...	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1002.1	0	NW	3	mwb	29	97	3	-	-	0	-	0
Scilly (St. Mary's) ...	131	1009.8	0	NNW	7	bPH	41	97	8	4000	Cu.Nb	5	-	5
Falmouth (Pendennis)	200	1007.7	0	NNW	2	bdl	40	85	7	5700	Cu.Nb	5	-	5
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	19	1004.3	0	NNW	4	b	41	75	7	-	-	0	-	0
Southampton (Calshot)	12	1004.2	0	NW	4	b	35	85	7	-	-	0	-	0
Dungeness	21	1001.6	0	NNW	2	mb+	30	97	5	-	-	0	-	0
Guernsey														

Stations.	Observations at 0700 G.M.T. 20th: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea 0-9
Lerwick	1006.0	+3	NE	2	c,pr.	41	85	6	4000	St.Cu	3	-	8	1
Stornoway	1005.8	+1	N	4	bc,pr.	39	97	7	4000	Cu.Nb	5	-	5	3
Wick	1002.7	+2	NW	2	c,pr.	40	92	8	2500	Cu.Nb	6	Ci	7	0
Castlebay	1007.0	+1	NNW	4	b-	40	85	8	2500	Cu	3	-	3	4
Nairn	1003.7	*	NW	2	c-	38	85	8	1500	St	7	-	7	*
Aberdeen	1001.5	+1	WNW	3	b-	36	92	8	1500	Cu	2	-	2	0
Malin Head	1005.3	0	N	6	c,PR	44	85	8	4000	Cu.Nb	6	A.St	8	6
Renfrew	1002.8	0	NW	1	o+	36	85	8	2500	St	3	-	3	*
Edinburgh (Inchkeith)	1000.5	0	N	3	c+	39	75	9	*	St.Cu	6	Ci.Cu	7	1
Leuchars	1000.5	0	N	2	bc	39	85	8	4000	St.Cu	4	-	4	*
Eskdalemuir	1000.4	-1	NNW	5	c	35	83	6	2500	St.Cu	6	A.St	7	*
Tynemouth	997.6	-3	NW	2	o,pr.	35	97	6	800	Nb	10	-	10	*
Blacksod Point ...	1016.7	-1	NE	6	o,PR	41	97	3	*	*	*	*	10	1
Donaghadee	1004.2	-2	N	4	c,p	42	85	8	450	St	7	-	7	5
Birr Castle	1003.1	*	NW	2	b-	34	97	4	2500	St.Cu	3	-	3	*
Holyhead	1001.3	-3	NNW	7	o,r	43	92	8	1500	Nb	10	-	10	6
Liverpool (Bidston) ...	1000.3	-1	N'W	3	b	37	92	7	-	-	0	A.St	3	3
Chester (Shotwick) ...	1000.8	-2	NNW	3	c,r	36	92	6	2500	St.Cu	7	-	7	*
Spurn Head	997.1	-2	WNW	5	c	36	92	7	4000	Cu.Nb	7	-	7	4
Birmingham (Edgbaston)	1001.0	-2	W	3	c-	34	92	5	1500	St	8	-	8	*
Nottingham	998.7	-2	WNW	2	f,o	32	92	3	1500	St	10	-	10	*
Cranwell	998.2	-3	W	3	mwb	28	97	5	5700	St.Cu	3	A.Cu	8	*
Gorleston	999.1	0	W	3	bc+	32	85	7	-	-	0	A.Cu	6	0
Valencia (Cahirciveen)	1012.7	-2	NNW	4	c,pr.	42	85	7	1500	St.Cu	8	-	8	4
Roches Point	1008.8	-1	NW	3	b	37	97	8	-	-	0	-	0	0
Pembroke (St. Ann's H.)	1006.3	-1	WNW	5	c	41	85	8	2500	Cu	8	-	8	4
Ross-on-Wye	1001.8	-3	SW	2	o+	34	85	8	2500	St.Cu	2	A.St	10	*
Leafield	1001.2	-2	NW	2	bc+	32	85	8	-	-	0	A.St	5	*
Andover	1002.3	-2	WNW	3	bc+	31	97	7	4000	St.Cu	2	A.Cu	6	*
S. Farnborough ...	1001.3	-2	W	3	mwb	29	97	6	2500	St	1	Ci	7	*
London (Kew Obsy.) ...	1001.5	-1	SSW	1	b	30	92	6	4000	St.Cu	1	-	1	*
Croydon	1001.7	-2	W'S	3	bc+	31	92	6	-	-	0	Ci.St	5	*
Clacton-on-Sea ...	999.4	-2	WNW	3	bc	31	85	6	-	-	0	Ci	4	0
Shoeburyness	1000.4	-3	W'N	3	mwb	31	85	5	-	-	0	Ci.St	3	*
Grain	1000.8	-2	SW	4	b	31	92	6	-	-	0	A.St	2	0
Lympne	1000.3	-1	NW	3	b	26	97	5	-	-	0	A.St	1	*
Scilly (St. Mary's) ...	1009.2	-1	NW	6	b,pr.	43	85	8	4000	Cu	3	-	3	6
Falmouth (Pendennis)	1006.2	-1	NW	4	bc+	41	75	8	5700	Cu.Nb	4	-	4	0
Plymouth (Cattewater)	1005.5	-2	WNW	3	o,PR	39	92	8	2500	Cu.Nb	5	Ci.St	10	0
Portland Bill	1002.6	-2	NW	3	bc+	42	75	7	-	-	0	A.Cu	4	1
Southampton (Calshot)	1002.7	-2	WNW	3	bc+	32	92	6	-	-	0	Ci	5	0
Dungeness	1000.8	0	NW	2	b	31	97	7	-	-	0	-	0	2
Guernsey	1005.3	0	NW	4	c	42	85	8	4000	Cu.Nb	7	-	7	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 19th NOVEMBER.

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 18-19 °F.	Temperature. Max. Day. 19 °F.	Rainfall.† Night 17h.-9h. 18-19 mm.	Rainfall.† Day 9h.-17h. 19 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 19 hr.
Montrose	cbc	bcc	37	42	2	-		4.1
Berwick-on-Tweed	bcov	bcxs	38	42	1	0.1		2.3
Llandudno	ccb	bpcb	42	46	1	0.1		2.1
Colwyn Bay	rc	cb	39	45	4	-		3.6
Rhyl	bc	bcc	41	46	1	-		3.9
Southport	bbcb	bbcb	41	43	0.4	-		6.0
Blackpool	bc	cb	40	43	0.2	-		5.7
Ilkley	bx	b	33	43	-	-		5.7
Harrogate	b	b	35	42	-	-		7.1
Skegness	bc	cpcb	33	43	-	trace		2.3
Aberystwyth ...	rcc	o	41	45	1	-		0.5
Bath	bbc	bcb	35	46	-	-		6.0
Leamington Spa ...	c	c	31	46	-	-		3.6
Lowestoft	bcbcc	corocbc	33	41	-	1		2.6
Felixstowe	cmbcp	bccm	35	44	-	0.2		3.5
Southend	mbc	cbc	31	44	0.1	-		3.3

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 18-19 °F.	Temperature. Max. Day. 19 °F.	Rainfall.† Night 17h.-9h. 18-19 mm.	Rainfall.† Day 9h.-17h. 19 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 19 hr.
Ilfracombe	ocp	ot	41	47	0.5	1		1.5
Bude	prlc	pehcs	41	46	2	2		4.5
Torquay			36	49	1	-		6.5
Weymouth	b	b	36	49	1	-		1.0
Bournemouth ...	-	-	34	47	-	0.3		6.4
Portsmouth (S'thsea)	b	p	36	46	1	-		6.1
Littlehampton ...	bcmbc	bc	33	45	-	-		7.3
Worthing	b	b	33	45	-	-		7.7
Brighton	b	b	35	47	-	-		6.2
Eastbourne	p	p	36	46	-	-		7.0
Hastings	bbc	bcoco	33	45	trace	-		5.6
Folkestone	xtmbc	bb	32	43	-	-		5.7
Dover	bcwb	bmm	31	44	-	-		6.6
Tunbridge Wells ...	b	bc	31	45	0.3	-		5.0
Ramsgate	bcp	bbcm	33	48	-	-		3.8
Margate	cbc	co	36	43	-	-		2.8
Deal	mbc	bbm	35	41	-	-		6.5

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22644 WEDNESDAY, 21st NOVEMBER 1923.

Observations at 1300 G.M.T. 20th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1007.4	0	NE	2	bc/r	42	75	7	4000	CuNb	3	ACu	4	•
Stornoway	1006.8	+1	N	4	cpr₀	38	92	7	4000	CuNb	7	-	7	•
Wick	1005.4	+3	E	3	o/p	42	75	8	2500	CuNb	7	Ci	9	•
Castlebay	1007.1	0	NW	3	b	44	85	8	4000	Cu	1	-	1	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1003.8	+2	ENE	3	bc-	43	85	7	1500	CuNb	6	-	6	2
Malin Head	1005.7	0	N	6	cPH	44	92	8	4000	CuNb	8	-	8	•
Renfrew	1003.8	+1	NNW	4	c+	44	65	8	5700	StCu	8	-	8	1
Edinburgh (Inchkeith)	1002.1	0	N	4	c/p	42	85	8	•	CuNb	8	-	8	•
Leuchars	1002.4	+2	N	2	c/r	41	92	8	5700	StCu	5	ASt	7	1
Eskdalemuir	1001.9	+1	N	4	ors₀	35	92	6	2500	StCu	9	-	9	7
Tynemouth	999.5	+2	ENE	2	bc/r	43	85	7	4000	Cu	4	-	4	•
Blacksod Point	1009.7	-1	NW	5	c-	42	97	7	•	•	•	•	8	•
Donaghadee	1004.3	0	N	4	bc-	45	85	7	800	Cu	4	-	4	•
Birr Castle	1006.5	*	NW	2	c+	43	85	7	4000	StCu	7	-	7	•
Holyhead	1001.8	0	N	5	bc	45	85	9	1500	Cu	4	CiSt	5	0
Liverpool (Bidston)	1000.2	-1	NWN	3	c	41	75	7	2500	CuNb	7	-	7	•
Chester (Shotwick)	1000.3	0	NNW	3	o	42	75	7	2500	StCu	9	-	9	2
Spurn Head	997.4	-1	WNW	4	o	38	97	6	2500	StCu	10	-	10	•
Birmingham (Edgbaston)	999.1	-2	NW	4	opr₀	38	85	5	1500	Nb	10	-	10	2
Nottingham	996.8	-2	NNW	2	o	38	85	3	800	St	10	-	10	•
Cranwell	998.7	0	W'N	2	o	36	97	5	2500	St	10	-	10	1
Gorleston	998.1	-1	W'N	3	c-	37	85	6	4000	StCu	4	ASt	7	•
Valencia (Cahirciveen)	1010.5	-3	NNW	5	bc-	44	85	8	2500	StCu	5	-	5	2
Roches Point	1007.0	-3	NNW	5	b	44	85	8	4000	Cu	2	-	2	•
Pembroke (St. Ann's H.)	1002.8	-2	WNW	5	c/p	42	85	8	4000	Cu	8	-	8	•
Ross-on-Wye	1000.1	-2	NWN	2	bc	41	75	9	4000	Cu	4	Ci	5	5
Leafield	999.5	-2	NNW	2	bc-	39	85	8	7200	StCu	3	CiCu	5	2
Andover	999.9	-2	NWN	4	c+	40	85	6	2500	Cu	8	-	8	1
S. Farnborough	999.8	-2	WNW	3	o+	40	85	6	1500	StCu	9	-	9	1
London (Kew Obsy.)	999.3	-2	WSW	2	c	40	85	5	4000	StCu	6	ACu	8	1
Croydon	1000.3	-1	W	2	c	38	85	6	2500	StCu	5	Ci	8	1
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	999.2	-2	WNW	1	mmo	38	85	6	4000	StCu	7	Ci	8	•
Grain	999.1	-2	WNW	4	mmo	37	85	5	2500	StCu	7	CiSt	9	1
Lympne	999.3	-2	NW	3	c+	40	75	6	2500	StCu	3	ASt	8	1
Scilly (St. Mary's)	1006.7	-3	NW	7	c-	46	85	8	4000	Cu	7	-	7	•
Falmouth (Pendennis)	1003.7	-3	NW	4	bcPH	42	75	7	5700	CuNb	4	-	4	•
Plymouth (Cattewater)	1002.8	-5	NW	3	cpr₀	42	85	7	1500	CuNb	7	Ci	8	2
Portland Bill	1001.5	-4	WNW	4	c+	42	85	7	4000	CuNb	8	-	8	•
Southampton (Calshot)	1000.2	-3	W'N	4	o	40	85	7	2500	StCu	10	-	10	0
Dungeness	999.1	-2	NW	3	bc+	44	75	7	5700	Cu	2	CiCu	6	•
Guernsey	1002.7	-3	NW	5	cph₀	44	85	8	2500	CuNb	8	-	8	•

Observations at 1800 G.M.T. 20th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1009.5	+1	NE	1	bcpr₀	39	92	7	4000	CuNb	3	ACu	4	0
Stornoway	1008.1	+1	N	4	bcPH	39	97	7	4000	CuNb	6	-	6	3
Wick	1006.6	+1	NW	1	o	37	97	8	2500	CuNb	9	-	9	0
Castlebay	1007.4	0	NNW	4	b	42	75	8	4000	Cu	1	-	1	3
Nairn	1007.1	•	E	1	o/r	37	92	8	1500	St	9	-	9	•
Aberdeen	1005.7	+3	NNW	3	b.	37	92	7	2500	Cu	1	-	1	0
Malin Head	1005.9	+1	N	4	b/s(h)	43	85	8	5700	CuNb	3	-	3	4
Renfrew	1005.7	+3	ENE	1	bc-	39	85	8	5700	StCu	4	-	4	•
Edinburgh (Inchkeith)	1003.9	+2	NNE	3	bc-	40	92	8	•	Cu	4	ACu	6	1
Leuchars	1004.4	+3	N	2	o/r	36	97	8	4000	StCu	9	-	9	•
Eskdalemuir	1003.9	+2	NNE	5	bcpr₀	35	92	7	2500	Cu	2	ASt	6	•
Tynemouth	1001.1	+2	ENE	3	o/p	43	85	7	800	Nb	9	-	9	4
Blacksod Point	1009.5	0	NW	5	c+	42	97	7	•	•	•	•	8	4
Donaghadee	1005.3	+1	NE	4	c+	45	75	8	450	St	7	-	7	5
Birr Castle	1007.2	•	NW	3	b-	36	97	6	4000	Cu	3	-	3	•
Holyhead	1002.1	+1	NNE	6	opr₀	44	92	8	1300	CuNb	9	-	9	†
Liverpool (Bidston)	1001.8	+2	N'W	2	o/r	38	92	7	2500	St	8	ASt	10	3
Chester (Shotwick)	1001.4	+2	NNW	2	o⊕	36	92	5	1500	St	5	ASt	10	•
Spurn Head	999.0	+2	-	0	c/p	38	92	8	2500	CuNb	8	-	8	2
Birmingham (Edgbaston)	999.9	+1	NW	4	or₀	37	92	5	1500	Nb	10	-	10	•
Nottingham	999.7	+1	N	2	odd	35	97	4	800	St	10	-	10	•
Cranwell	999.1	+1	NNW	2	o/r	34	97	5	1500	St	9	ASt	10	•
Gorleston	998.2	0	WNW	2	bc-	36	97	6	4000	Nb	6	-	6	0
Valencia (Cahirciveen)	1010.7	0	N	4	oph₀	43	85	7	1500	St	10	-	10	4
Roches Point	1006.9	+1	NNW	4	b	42	92	8	-	-	0	-	0	3
Pembroke (St. Ann's H.)	1003.6	0	NW	3	oR	39	97	8	1500	Nb	10	-	10	4
Ross-on-Wye	1000.3	0	NW	2	o	39	85	8	2500	StCu	10	-	10	•
Leafield	999.5	+2	NNW	2	fo	35	97	3	<150	St	10	-	10	•
Andover	999.8	0	NW'W	3	o+	38	85	6	2500	StCu	10	-	10	•
S. Farnborough	999.3	0	WNW	2	o+	36	92	6	1500	StCu	10	-	10	•
London (Kew Obsy.)	999.4	+1	SW'S	1	c+	38	85	4	4000	StCu	8	-	8	•
Croydon	999.9	+1	W	1	o	36	92	4	4000	StCu	10	-	10	•
Clacton-on-Sea	998.7	0	WNW	2	mmo	36	92	6	7200	StCu	10	-	10	0
Shoeburyness	999.0	0	-	0	mbc+	34	85	4	-	-	0	ASt	6	•
Grain	999.2	0	WSW	2	c-	32	92	6	4000	StCu	4	CiCu	5	0
Lympne	999.3	0	NNW	2	bc	34	85	5	-	-	0	ASt	4	•
Scilly (St. Mary's)	1005.1	-1	NW	5	bcPH	42	97	8	4000	CuNb	6	-	6	6
Falmouth (Pendennis)	1003.2	+1	N	5	or-	40	92	7	4000	Nb	9	-	9	0
Plymouth (Cattewater)	1002.6	0	NNW	3	b-	39	97	7	2500	St	1	Ci	2	0
Portland Bill	1001.5	0	WNW	2	b-	40	92	7	-	-	0	-	0	1
Southampton (Calshot)	999.9	0	WNW	2	bc+	34	92	7	4000	StCu	5	-	5	0
Dungeness	999.3	0	N	1	bc-	36	97	7	-	-	0	CiSt	4	2
Guernsey	1001.5	-1	NW'N	5	cph₀	43	85	8	2500	CuNb	8	-	8	3

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
		24 Hours ended 0900 G.M.T. 21st										
Kew } 24 hours ended 0700	18	bcmxcm	cmbc	cmow	•	•	32	0.2	-	2.8	•	•
Croydon } 24 hours ended 0700	244	bxomc	com	om	•	•	33	-	-	3.8	•	•
Greenwich (Royal Obsy.)	149	com	om	obo	39	32	27	-	-	0.0	83	91
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•
Westminster (St. James' Pk.)	27	•	•	•	40	31	30	-	-	0.5	80	84
Regent's Pk. (Botanic Gdns).	—	•	•	•	•	•	•	•	•	0.9	•	•
Camden Square	110	bcxo	co	•	40	33	30	-	-	•	•	83
Kensington Palace	80	co	o	•	40	36	27	-	-	•		83
Hampstead Observatory	450	•	•	•	39	30	25	tr	-	1.7	(At 18h) 77	98

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 20th

South Kensington Max.	Time.	Min.	Time.
2.0	18h.19th	0.3	4h.20th
2.0	8-10h.20th		

Kew Observatory Max.	Time.	Min.	Time.
–	–	–	–

POLE STAR RECORD at Greenwich Obsy.

Exposure from 20th 17 h 00 m. to 21st 06 h 30 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13 30	0.58	7
δ Ursae Minoris	13 30	0.37	5

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	5	-	50°
18h.	C, C_2	6	-	150°
01h.	C	5	-	65 (110° struck out)
07h.	C	5	-	160°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

21st & 22nd Nov., 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.26 / 7.28	11.39 / 11.39	3.52 / 3.50
Greenwich	7.29 / 7.31	11.46 / 11.46	4.3 / 4.1
Wick	8.16 / 8.18	11.58 / 11.[illegible]	3.40 / 3.38
Valencia	8.12 / 8.14	12.27 / 12.27	4.42 / 4.40

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = 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; – = "decreasing"; + = "increasing."

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.

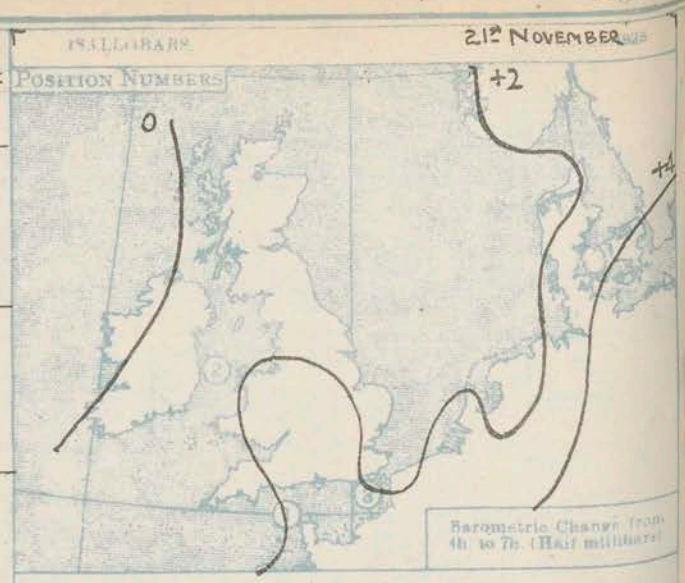
SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 20th	13h.-18h. 20th	18h. 20th to 1h. 21st	1h.-7h. 21st	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN 20th Hours.
Lerwick	bcp	bc	bcp	bc	44	37	•	0.4	1	<0800	<2100	1.9
Stornoway	p	o	bbc	b	44	37	•	3	-	-	-	2.1
Wick	coprh	oo	bbc	bbc	44	32	•	1	-	<0800	-	•
Castlebay	bcb	b	bobbcw	cobb	44	38	•	-	0.1	-	-	5.7
Nairn	cg	crgo	ocbcx	cirg	41	34	•	4	1	14.30	-	0.0
Aberdeen	copor	cpn	b	boirc	43	35	31	0.4	0.6	11.00	0130	0.9
Malin Head	copHR	cpHR	bcv	bcirv	45	38	*	2	1	<0800	0430	1.1
Renfrew	obce	cbcc	bcb	bbx	44	25	15	-	-	-	-	5.3
Edinburgh (Inchkeith)	p	p	bc	bbc	42	36	32	1	trace	11.00	-	0.6
Leuchars	bcbopr	copro	oprbx	bx	42	29	23	1	0.2	09.00	<2100	0.6
Eskdalemuir	cors	ococbcp	bcopo	oo	37	32	27	1	1	12.30	<2100	1.6
Tynemouth	cpq	opq	iHq	iRm	44	35	34	3	5	-	<2100	•
Blacksod Point	h-r	h-rh	h-rh	h-rh	45	34	•	10	1	-	-	•
Donaghadee	b-bc	c	c	bc	46	42	•	-	-	-	-	•
Birr Castle	c	cobc	off	off	43	28	20	-	-	-	-	4.9
Holyhead	ocbcv	bcopr	ocbc	bbc	45	42	37	3	-	<0800	-	3.0
Liverpool (Bidston)	bcoc	op	bc	bc	43	35	31	0.5	-	13.30	-	2.7
Chester (Shotwick)	ccopr	copm	ombcf	bcbxf	43	32	23	0.6	-	~~<0800~~ 1100	-	2.3
Spurn Head	c	cpqPR	copsq	qPRS	40	38	•	2	3	14.30	<2100	0.4
Birmingham (Edgbaston)	com	ocorm	orc	comf	39	33	30	0.5	0.2	12.30	<2100	1.3
Nottingham	mp	qa	op	p	38	35	32	0.2	2	11.00	<2100	0.0
Cranwell	coe	omdco	orodm	prbcx	36	32	30	trace	2	17.30	<2100	1.0
Gorleston	cmc	prfrc	bcfm	cXMOr	33	33	29	3	1	14.30	0430	1.0
Valencia (Cahirciveen)	cpnbc	bcoph	bcopc	bcopb	46	36	31	3	3	<0800	<2100	2.2
Roches Point	bbcb	b'	bx	bx	45	?	•	-	trace	-	-	
Pembroke (St. Ann's H.)	c	or	bbc	bbc	44	35	•	11	8	14.30	<2100	0.6
Ross-on-Wye	pocbcv	co	domcbm	omcm	41	34	29	0.1	~~X~~ -	09.00	<2100	1.9
Leafield	bc	bcogi	of	of	40	34	33	trace	0.3	17.30	-	2.8
Andover	bcom	cmbcm	om	om	40	34	30	trace	-	-	-	4.1
S. Farnborough	cxo	obo	oomm	oomm	41	34	29	-	-	-	-	2.3
London (Kew Obsy.)	bcmxcm	cmbcm	cmom	omwom	40	36	32	0.2	-	<0800	-	2.8
Croydon	pxomc	com	om	om	40	35	33	-	-	-	-	3.8
Clacton-on-Sea	bc	bcogm	ogcm	cogm	39	32	28	-	-	-	-	5.4
Shoeburyness	bmxcm	cmbcm	bcmbmx	bcmbcm	39	30	23	-	-	-	-	3.2
Grain	bcom	ocbcc	cbcoc	om	38	27	20	-	-	-	-	3.6
Lympne	bpcm	ocbcm	bcobxm	boxmf	41	28	17	trace	0.1	-	-	3.3
Scilly (St. Mary's)	bcqp	bcqpn	bcq	bc	46	37	•	0.6	5	<0800	<2100	3.9
Falmouth (Pendennis)	bcprh	bcphr	bcpco	cprbc	43	36	•	3	2	<0800	2200	2.4
Plymouth (Cattewater)	orpbc	ocbcp	bopbc	bcb	43	34	19	3	0.1	<0800	<2100	2.2
Portland Bill	c	c	bbc	fm	43	36	•	-	-	-	-	•
Southampton (Calshot)	bbc	ocbc	orc	c	~~44~~ 41	33	29	-	trace	-	2200	1.6
Dungeness	bx	c	bbcx	xfm	44	29	•	-	-	-	-	•
Guernsey	cph	cpho	cph	c	45	39	•	0.2	1	09.00	<2100	•



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. sea.	Authority.
2	20th 1005	ANGLIA	NNW	6	op	43	51	8
1	20th 1300	REINDEER	NW	6	PR	44	53	7
3	21st 0200	DIEPPE	NW'N	1	bc	41	51	7

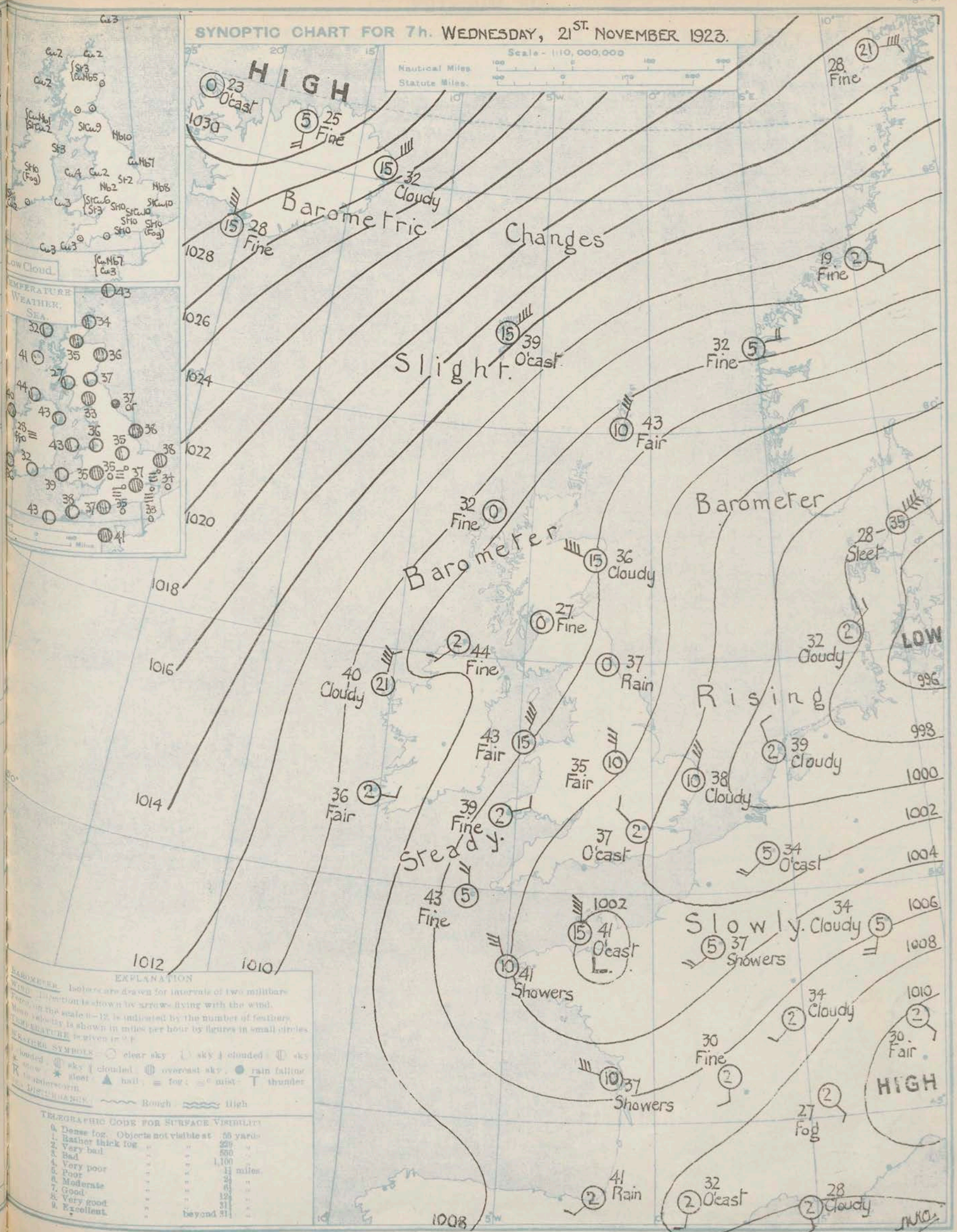
GENERAL INFERENCE.

Pressure continues lowest to the East, but the distribution is becoming more uniform over the British Isles and winds will be lighter and less definite in direction. Weather will be cold and mainly dry. Frost and mist or fog will occur in most places night and morning.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 21st November, 1923.	Further Outlook.
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. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	ALL DISTRICTS. Light variable or northerly winds; variable cloud; cold, mist or fog and frost night and morning in most places.	None issued. ----------

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0930 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... WEDNESDAY, 21st NOVEMBER 1923. No. 325.

Observations at 0100 G.M.T. 21st

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.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1008.6	0	NNE	2	bc/r	41	85	7	4000	Cu	1	Ci.St	4
Stornoway	51	1007.5	0	NE	2	b-	•	•	6	•	•	•	•	•
Wick	81	1007.0	•	W	1	b	33	85	8	4000	Cu	1	-	1
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1006.7	0	N	3	c+	44	85	9	4000	CuNb	2	A.Cu	7
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1006.1	+1	N	2	b-	38	85	8	•	Cu	1	Ci.St	2
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1004.0	+2	ENE	2	b	40	92	7	4000	CuNb	3	-	3
Blacksod Point ...	10	1009.4	0	CALM	(1)	bc-	41	97	7	•	•	•	•	6
Donaghadee	25	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1004.5	+2	NE'N	4	bc	44	85	8	2500	Cu	5	-	5
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	999.6	+3	NNE	5	cs.	41	85	7	2500	CuNb	8	-	8
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1001.6	+1	NNW	3	ohd	34	97	5	1500	St	10	-	10
Gorleston	13	999.5	0	W'N	2	c+	34	85	6	2500	CuNb	2	Ci.St	7
Valencia (Cahirciveen)	30	1000.3	-1	NW	2	b	42	85	9	1500	CuNb	2	-	2
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1004.6	+2	ENE	1	b	36	92	8	-	-	0	-	0
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	239	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	18	•	•	•	•	•	37	•	•	•	•	•	•	•
Croydon	244	1001.2	+2	NW'N	1	mmo	36	92	4	1500	St.Cu	10	-	10
Glaston-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1000.6	+2	NNW	3	b	30	97	4	-	-	0	A.St	2
Scilly (St. Mary's) ...	131	1005.2	0	NNW	5	bc	45	85	8	4000	Cu	5	-	5
Falmouth (Pendennis)	206	1005.8	0	NNW	3	cpr.	41	85	8	5700	CuNb	8	-	8
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1000.9	0	N	3	o+	39	95	7	-	-	0	A.St	10
Southampton (Calshot)	12	1001.6	+1	N	3	imb	38	85	6	1500	St.Cu	2	-	2
Dungeness	21	1000.1	+1	N	2	bc+	31	97	6	-	-	0	A.Cu	5
Guernsey														

Observations at 0700 G.M.T. 21st

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun 0-9
Lerwick	1007.6	0	NNE	3	bc+	43	75	7	4000	Cu	3	A.St	6	2
Stornoway	1008.3	0	N-	1	b-	32	92	8	4000	Cu	2	-	2	0
Wick	1006.6	0	NW	1	bc	34	85	8	4000	Cu	2	Ci.St	4	0
Castlebay	1008.3	0	N	3	b-	41	75	8	4000	Cu	2	-	2	3
Nairn	1007.7	•	NW	1	c/r	35	85	8	1500	CuNb	8	-	8	•
Aberdeen	1006.0	0	WNW	4	c	36	97	6	-	-	0	A.St	8	0
Malin Head	1007.1	0	SW	1	b/r	44	92	9	5700	St.Cu	3	-	3	4
Renfrew	1007.7	+1	-	0	b	27	97	6	-	-	0	Ci	2	•
Edinburgh (Inchkeith)	1006.7	0	WNW	2	b	37	85	8	•	-	0	A.Cu	3	1
Leuchars	1006.2	0	WNW	1	b	30	92	8	5700	St.Cu	1	A.St	2	•
Eskdalemuir	1006.9	+1	NW	2	o	33	75	7	4000	St.Cu	9	-	9	•
Tynemouth	1005.0	+1	-	0	or	37	97	6	1500	Nb	10	-	10	•
Blacksod Point ...	1009.2	-1	N'E	5	c	40	97	7	•	•	•	•	8	6
Donaghadee	1007.7	0	NE	2	b-	43	85	8	800	St	3	-	3	2
Birr Castle	1008.3	•	NW	1	ffo	28	97	2	<150	St	10	-	10	•
Holyhead	1006.0	+2	NNE	4	bc	43	85	8	4000	Cu	4	-	4	4
Liverpool (Bidston) ...	1005.6	+2	N'E	3	b-	36	85	6	-	Cu	2	Ci.St	3	3
Chester (Shotwick) ...	1005.5	+2	WNW	3	ffb	32	92	3	-	-	0	A.Cu	1	•
Spurn Head	1002.2	+1	NNW	5	o	38	92	8	1500	CuNb	7	Ci.St	10	2
Birmingham (Edgbaston)	1004.8	+2	NW	4	fc-	34	85	3	2500	St.Cu	8	-	8	•
Nottingham	1004.3	+3	N	3	bc-	35	97	4	2500	Nb	2	Ci.St	4	•
Cranwell	1003.6	+3	NW'N	3	b	33	97	5	1500	St	2	A.St	3	•
Gorleston	1001.0	+1	N'E	3	c-	38	97	7	2500	Nb	8	-	8	1
Valencia (Cahirciveen)	1009.3	0	E	1	bc/r	36	97	8	2500	St	6	-	6	A
Roches Point	1008.0	0	N	3	b+	32	97	8	-	-	0	-	0	0
Pembroke (St. Ann's H.)	1005.9	+1	ENE	1	b	39	92	8	4000	Cu	3	-	3	3
Ross-on-Wye	1004.6	+2	N	2	o+	35	85	6	2500	St.Cu	9	-	9	•
Leafield	1003.7	+2	N	2	mo-	35	97	6	1500	St	10	-	10	•
Andover	1003.2	+1	NNW	2	o	37	92	6	1500	St.Cu	10	-	10	•
S. Farnborough ...	1003.1	+2	NW'N	1	mmo	35	97	5	800	St	10	-	10	•
London (Kew Obsy.) ...	1002.8	+1	NW	1	o	37	92	6	2500	St.Cu	10	-	10	•
Croydon	1002.7	+2	NNW	2	mmo	35	97	4	450	St	10	-	10	•
Glaston-on-Sea ...	1003.9	+1	WNW	3	mmo	34	85	6	5700	St.Cu	10	-	10	0
Shoeburyness	1001.9	+1	NW	3	mmo	35	85	6	4000	St	10	-	10	•
Grain	1002.0	+2	WNW	3	o	35	97	5	-	-	0	A.St	10	0
Lympne	1001.7	+2	N	3	fo	33	97	3	<150	St	10	-	10	•
Scilly (St. Mary's) ...	1005.7	0	N'E	2	b	43	85	8	4000	Cu	3	-	3	4
Falmouth (Pendennis)	1005.1	+1	N	1	b/r	38	85	8	5700	Cu	3	-	3	0
Plymouth (Cattewater)	1004.7	+2	WNW	1	b	35	97	7	-	-	0	Ci	1	0
Portland Bill	1003.3	+1	NNE	3	c/f	37	75	6	-	-	0	A.St	8	1
Southampton (Calshot)	1003.2	+2	N'W	4	o+	38	85	6	1500	St	10	-	10	0
Dungeness	1001.4	+1	N	2	mo-	33	97	4	<150	St	10	-	10	3
Guernsey	1002.0	+2	N	4	o	41	85	8	2500	CuNb	10	-	10	1

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 20th NOVEMBER.

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 19-20 °F.	Temperature. Max. Day. 20 °F.	Rainfall.† Night 17h.-9h. 19-20 mm.	Rainfall.† Day 9h.-17h. 20 mm.	Sunshine.	Sunrise to Sunset. 20 hr.
Montrose ...	xcpr	cpro	36	43	1	3		1.2
Berwick-on-Tweed	Prsr	Ppsc	36	45	3	3		2.1
Llandudno	ccb	c	38	44	4	-		1.8
Colwyn Bay	bc	bc	38	44	2	-		1.6
Rhyl	cbc	c	38	45	3	-		2.0
Southport	bbcc	corc	34	44	-	0.4		1.7
Blackpool	co	pc	34	44	-	0.3		2.1
Ilkley	xcsm	orsm	30	39	1	2		-
Harrogate	osrs	or	31	38	0.4	3		-
Skegness	bc	opm	29	40	-	trace		1.3
Aberystwyth ...	loc	b	35	44	11	-		1.5
Bath	mo	cbco	31	43	0.3	-		1.1
Leamington Spa ...	cb	orm	26	41	-	-		1.5
Lowestoft	bcbco	orbccarsp	30	39	0.2	2		3.7
Felixstowe	bcm	bcom	31	40	-	-		4.2
Southend	mbc	co	28	38	-	-		1.9
Ilfracombe	ob	P	41	44	1	1		-
Bude	prhbc	bccpr	39	47	1	2		3.2
Torquay	cpbc	bcoc	35	46	-	0.2		2.1
Weymouth	cc	bc	34	43	-	-		0.9
Bournemouth ...	cb	cbf	33	41	-	-		1.2
Portsmouth (S'thsea)	bc	cmbc	32	42	-	-		3.5
Littlehampton ...	bcmbc	bcbcm	28	41	-	-		3.6
Worthing	bbc	bbcm	29	41	-	-		3.9
Brighton	b	bcbc	32	44	-	-		2.5
Eastbourne	bbc	c	33	44	-	-		5.4
Hastings	xbbcc	cobcbm	28	42	0.1	-		4.1
Folkestone	xbcb	f	28	41	-	-		4.5
Dover	bcmb	bbcm	33	41	-	-		4.7
Tunbridge Wells ...	bbc	bcbc	28	41	-	-		4.2
Ramsgate	bb	cm	30	41	-	-		4.2
Margate	c	co	35	41	-	-		3.5
Deal	bb	bcm	31	40	-	-		5.4

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. § See footnote page 1

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22645 THURSDAY, 22nd NOVEMBER 1923.

STATIONS. (For heights see p.4).	Observations at 1300 G.M.T. 21st: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	Observations at 1800 G.M.T. 21st: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1008.4	+2	NE	5	o–	42	75	7	4000	StCu	7	ASt	9	•	1010.3	+4	NE	5	bc	42	65	7	4000	StCu	5	CiSt	6	4
Stornoway	1009.4	+1	NNW	2	b	41	92	8	4000	Cu	3	–	3	•	1011.1	+2	–	0	bc/r	37	97	8	4000	Cu	6	•	6	0
Wick	1007.0	0	NNE	4	c	42	75	8	4000	Cu	3	Ci	8	•	1008.0	+2	NNE	4	o/r	43	65	8	1500	St	10	•	10	3
Castlebay	1009.1	0	NNW	2	b	43	85	8	4000	Cu	1	–	1	•	1010.3	+2	–	0	b+	41	85	8	4000	Cu	2	•	2	2 10.3/
Nairn	1005.9	•	•	•	•	•	•	•	•	•	•	•	•	•	1009.1	•	NNW	2	c	39	85	8	1500	StCu	8	•	8	•
Aberdeen	~~1002.9~~	–1	NW	4	or₀	40	92	8	1500	hb	9	–	9	2	1006.6	+1	NW	3	o	40	85	8	2500	StCu	10	•	10	0
Malin Head	1008.2	+1	W	1	bc+	44	85	9	4000	Cu	6	–	6	•	1008.7	+1	NNE	3	b–	43	85	9	4000	Cu	1	–	1	2
Renfrew	1007.9	0	W	1	mo–	37	85	4	–	–	0	ASt	9	6	1008.9	+1	W	2	o⊕	39	92	4	–	•	0	Ci	9	•
Edinburgh (Inchkeith)	1006.6	0	W	2	c	39	75	8	•	–	0	Ci	8	•	1006.9	0	N	2	bc	39	85	8	•	St	2	ACu	6	0
Leuchars	1006.3	0	NW	3	c+	38	75	8	–	–	0	Ci	7	9	1006.8	+1	NW	2	c	38	75	8	4000	StCu	4	Ci	7	•
Eskdalemuir	1007.2	0	N'E	1	c	37	75	7	–	–	0	CiSt	8	7	1007.7	+1	NNW	3	bc	32	85	6	–	•	0	ACu	6	•
Tynemouth	1004.8	0	N.	2	o/r	40	92	6	1500	Nb	10	–	10	•	1005.5	+1	N	2	or₀	38	92	6	1500	Nb	10	•	10	3
Blacksod Point	1003.2	–2	N	4	o	41	97	8	•	•	•	•	10	•	1010.2	0	–	3	bc	40	92	8	•	•	•	•	6	6
Donaghadee	1008.4	0	W	2	bc–	44	75	7	800	StCu	4	–	4	•	1008.7	0	W	3	bc	38	92	8	800	Cu	4	•	4	2
Birr Castle	1008.9	*	S	1	mmo	36	97	2	<150	St	10	–	10	•	1009.2	•	NW	1	Fo+	33	97	1	<150	St	10	•	10	•
Holyhead	1007.3	+1	N	4	bc	44	92	9	4000	Cu	5	–	5	0	1007.8	+2	N'W	2	b	43	85	9	4000	~~StCu~~	2	CiSt	3	•
Liverpool (Bidston)	1006.5	–1	N	2	c+	39	75	6	4000	St	4	Ci	7	•	1007.1	+1	N	1	o+	39	92	5	2500	St	7	ASt	10	2
Chester (Shotwick)	1006.3	0	NW	3	c	41	85	4	•	•	0	CiSt	7	2	1006.8	+1	NW	2	c	36	92	4	4000	StCu	2	CiSt	8	•
Spurn Head	1003.0	0	NW	5	opR	39	92	8	2500	hb	7	CiSt	10	•	1002.8	+1	NW	6	o	38	97	6	2500	St	10	–	10	4
Birmingham (Edgbaston)	1005.5	+1	NNW	3	ffbc	38	85	3	–	–	0	Ci	6	2	1006.6	+2	NW	3	fbc–	37	85	3	–	•	0	ASt	5	•
Nottingham	1004.8	0	N	3.	o	40	85	5	1500	St	2	CiSt	10	•	1005.8	+1	NNW	3	opr₀	40	85	5	1500	St	10	•	10	•
Cranwell	1004.8	0	NW'N	4	o	38	97	6	1500	St	3	ASt	10	1	1005.3	+1	NW	4	o/r	36	97	6	1500	St	7	ASt	10	•
Gorleston	1002.8	+1	W	1	c/R	43	85	6	2500	CuNb	3	CiCu	8	•	1003.6	0	WNW	3	c/s(h)	36	92	7	–	•	0	CiSt	8	0
Valencia (Cahirciveen)	1003.1	–2	N'E	2	b	45	75	9	2500	StCu	2	ACu	3		1008.9	+1	ENE	1	bc	39	92	9	2500	StCu	5	•	5	0
Roches Point	1008.2	0	NNW	2	b	43	85	8	4000	Cu	1	–	1	•	1008.7	0	NNE	1	b	38	97	7	–	–	0	•	0	0
Pembroke (St. Ann's H.)	1007.3	+1	–	0	b	43	85	8	4000	Cu	2	–	2.	•	1007.8	+2	ENE	1	b	37	85	8	4000	Cu	2.	–	2	3
Ross-on-Wye	1005.8	+1	NW	2	b	41	75	7	4000	Cu	1	Ci	2	0	1007.1	+2	NW	1	bc⊕	35	85.	6	–	•	0	CiSt	5	•
Leafield	1005.4	–1	N	2	mbc–	40	75	6	1500	St	5	–	5	2	1006.5	+2	N	2	mm3	33	92	6	–	–	0	–	0	•
Andover	1004.8	+1	N'E	3	bc–	40	85	6	2500	Cu	4	Ci	6	1	1005.2	+1	NW	2	b–	30	97	5	–	–	0	–	0	•
S. Farnborough	1004.7	+1	N	2	mo–	39	85	6	1500	St	8	CiSt	9	1	1005.7	+2	WNW	2	mmo	31	97	5	800	St	10	•	10	•
London (Kew Obsy.)	1004.3	0	NNW	2	o	40	85	6	5700	StCu	8	Ci	9	1	1005.7	+2	NW'W	1	bc	37	85	4	–	–	0	CiSt	6	•
Croydon	1004.3	0	N'W	2	c–	39	85	4	800	St	5	ACu	8	2	1006.2	+3	W'N	1	b–	35	97	4	•	–	0	•	0	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1003.9	+1	WNW	3	c⊕	37	92	5	–	•	0	CiSt	8	0
Shoeburyness	1003.3	+1	NNW	3	c/r	40	85	7	4000	Cu	4	CiSt	7	•	1004.6	+2	W'N	1	bc+	36	85	7	2500	StCu	4	Ci	6	•
Grain	1003.7	+2	NNW	4	o/r	40	75	7	1500	St	3	ASt	9	2	1005.2	+2	W	3	bc–	33	92	6	4000	StCu	6	•	6	0
Lympne	1003.2	0	NNW	3	o	38	97	4	450	hb	9	ASt	10	2	1004.9	+1	NNW	3	b	33	92	5	2500	St	1	ASt	3	•
Scilly (St. Mary's)	1006.7	+1	N'E	3	b	47	75	8	4000	Cu	2	ACu	3	•	1007.4	+1	ENE	2	bc	43	85	8	4000	Cu	4	–	4	3
Falmouth (Pendennis)	1006.9	+1	NNE	2	b–	43	75	8	7200	Cu	2	–	2	•	1007.0	–1	N	1	b	40	85	8	7200	Cu	2	–	2	0
Plymouth (Cattewater)	1006.0	–1	N	2	b+	43	85	7	4000	Cu	2	–	2	0	1007.2	+2	NNE	1	b	38	92	6	–	–	0	–	0	0
Portland Bill	1004.6	0	NNE	2	c	40	75	6	•	•	0	ASt	8	•	1005.3	+2	NNE	2	b–	40	75	6	–	–	0	–	0	0
Southampton (Calshot)	1004.9	0	N'W	3	o	41	85	6	1500	StCu	6	ACu	9	0	1006.2	+1	NW'N	3	mo+	36	92	6	–	–	0	•	0	0
Dungeness	1003.1	+1	N	2	o/p	39	92	6	4000	CuNb	9	–	9	•	1004.2	+2	N	2	b	33	97	6	–	–	0	Ci	3	2
Guernsey	1004.6	–1	N	3	bc–	43	75	7	4000	CuNb	6	–	6	•	1005.9	+2	N'W	3	o	42	85	7	2500	CuNb	9	•	9	1

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather: Morning.	Weather: Afternoon.	Weather: Night.	Temperature: Max. °F.	Temperature: Min. °F.	Min. on Grass. °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %	Visibility 9h.
		24 HOURS ENDED 0900 G.M.T. 22nd								YESTERDAY.		TO-DAY.	
Kew } 24 hours ended 0700	18	omdpom	bcm	omwr	•	•	28	>	0.5	0.9	•	•	•
Croydon } 24 hours ended 0700	244	omrgr	cmfbcb	bmxWt	•	•	24	0.3	0.4	0.0	•	•	3
Greenwich (Royal Obsy.)	149	o/pm	ocm	cordm	40	35	28	–	1	0.0	85	95	5
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	42	35	32	–	–	0.0	78	88	•
Regent's Pk. (Botanic Gdns).	—	•	•	•	•	•	•	•	•	0.6	•	•	•
Camden Square	110	oc	cbc	•	42	35	31	–	–	•	•	91	•
Kensington Palace	80	oo	of	•	41	35	27	–	–	•	(At 18h	91	•
Hampstead Observatory	450	•	•	•	40	33	22	0.3	–	1.4	83.)	91	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 21st

South Kensington: Max.	Time.	Min.	Time.
1.0	9h. 20th	<0.3	2-7h 20th
1.3	18h 20th		
1.3	9h. 21st		

Kew Observatory: Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 21st 14 h. 00 m. to 22nd 06 h. 30 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13.30	– –	–
δ Ursae Minoris	13.30	– –	–

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Stating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.*

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	CC₂	6	–	185°
18h.	C₁C₂	7	–	145°
01h.	GC₂	5	–	45°
07h.	GC₂	5	–	135°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

21st & 23rd Nov., 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.28 / 7.29	11.39 / 11.39	3.50 / 3.49
Greenwich	7.31 / 7.32	11.46 / 11.46	4.1 / 4.0
Wick	8.18 / 8.20	11.58 / 11.58	3.38 / 3.36
Valencia	8.14 / 8.15	12.27 / 12.27	4.40 / 4.39

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = 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; – = "decreasing"; + = "increasing."

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.

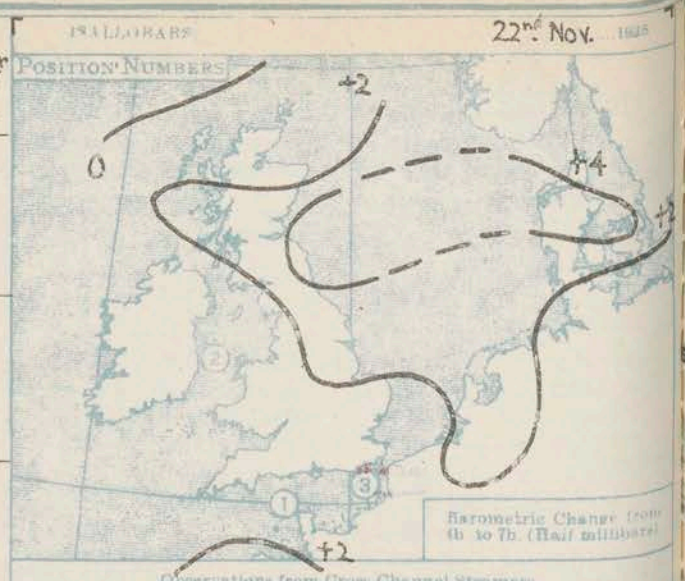
SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

* For explanation see Introduction. • Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 21st	13h.-18h. 21st	18h. 21st to 1h. 22nd	1h.-7h. 22nd	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 21st Hours.
Lerwick	oq	bcq	bc	bc	43	35	•	-	Trace	-	03.30	0.1
Stornoway	bbc	p	p	p	42	34	•	1	5	-	-	3.1
Wick	o	opr	o	bbc	43	37	•	0.1	-	6.30	-	•
Castlebay	b	b	bcpbcw	bcopq	44	38	•	-	1	-	-	6.2
Nairn	cq	cdq	cphq	cq	39	37	•	0.2	0.4	14.30	<21.00	0.4
Aberdeen	coqp	oroco	oco	ocb	41	37	33	0.2	-	12.30	-	1.1
Malin Head	bcirc	cobcv	bccov	cov	45	41		1	-	09.00	-	2.7
Renfrew	bcxfc	obcomx	om	ox	40	28	14	-	-	-	-	1.4
Edinburgh (Inchkeith)	bcc	c	c	brhprso	40	37	35	-	1	-	04.30	0.9
Leuchars	bcx	c	oo	oprbc	39	35	28	-	0.3	-	03.30	2.0
Eskdalemuir	oc	cbc	bccc	cobc	38	31	29	-	0.3	-	03.30	4.0
Tynemouth	iro m	IRm	irom	mbo	41	36	34	5	3	<0800	<2100	•
Blacksod Point ...	p	h-rh	bbc	bbc	43	27	•	1	-	-	-	•
Donaghadee	bcp	bc	c	c	45	36	•	0.1	-	11.00	-	•
Birr Castle	ffo	Ffe	Ffo	Ffo	36	26	25	0.2	0.1	<0800	-	0.0
Holyhead	bcv	bcbv	bccphrb	bbc	46	42	37	-	0.1	-	<2100	6.4
Liverpool (Bidston) ...	bbc	cm	oc		42	35	31	-	Trace	-	<2100	4.0
Chester (Shotwick) ...	bxfmcm	cm	om	orbcm	41	31	23	-	-	-	-	2.2
Spurn Head	cPrq	orqso	o	ooPR	40	37	•	7	2	<0800	<2100	0.0
Birmingham (Edgbaston)	cbcmf	beff	beffm	cofpf	40	33	30	-	0.2	-	-	0.5
Nottingham	cm	oom	oc	fm	41	35	33	Trace	-	17.30	-	1.1
Cranwell	hmco	onird	om	orcfe	38	33	32	0.4	1	15.30	0230	0.4
Gorleston	cphm	cHrs	ocs	cprc	43	34	30	6	0.6	09.00	0330	0.5
Valencia (Cahirciveen)	bcb	bypc	xvb	bx	46	30	22	0.2	-	14.30	-	5.5
Roches Point	b	b	bx	bx	44	36	31	-	0.1	-	-	
Pembroke (St. Ann's H.)	bbc	b-bc	bbc	bcx	44	34	•	-	-	-	-	4.3
Ross-on-Wye	cb	b	cbx	bmxcmx	41	27	21	-	-	-	-	6.3
Leafield	bcf	bcf	bcf	cofx	41	32	25	-	-	-	-	4.1
Andover	odomcm	bembm	bmx	bmxbcm	40	29	19	1	Trace	10800	-	2.3
S. Farnborough ...	omro	comm	oomx	fxSS	40	29	20	0.6	1	<0800	0430	1.3
London (Kew Obsy.) ...	omopom	bcm	omw	omrom	41	35	28	-	0.5	-	0230	0.9
Croydon	omro	cmfbcb	bomx	omdd	40	34	27	0.3	0.4	09.00	0330	0.0
Clacton-on-Sea ...	ogmc	cm	cogm	ogm	41	35	33	-	-	-	-	1.0
Shoeburyness	ompre	cbc	bcc	orrom	42	33	31	0.2	2	09.00	-	1.9
Grain	opo	ocbcm	bcmco	orrom	41	32	26	Trace	2	09.00	0330	1.0
Lympne	ofrs	bm	bomfx	ofxS	39	30	24	0.2	0.4	--	0230	0.3
Scilly (St. Mary's) ...	bc	bcph	bc	bc	48	37	•	0.5	-	15.30	-	4.1
Falmouth (Pendennis)	bc	bc	bc	bc	44	33	•	-	-	-	-	4.3
Plymouth (Cattewater)	bm	bm	b	bbc	43	30	•	Trace	-	-	-	6.5
Portland Bill	c	b-bc	bbc	bbc	42	35	•	-	-	-	-	
Southampton (Calshot)	o	bcmm	bm	c	41	32	28	Trace	-	11.00	-	1.3
Dungeness	bo	c	xFF	xFF	40	30	•	Trace	-	12.30	-	
Guernsey	ocpohm	com	cbccm	cbcm	43	40	•	0.2	-	09.00	-	•



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Difference
2	21st 10h	Anglia	N	5	c	43	51	8
3	22nd 2h	Arundel	NW	2	bbc	43	52	5

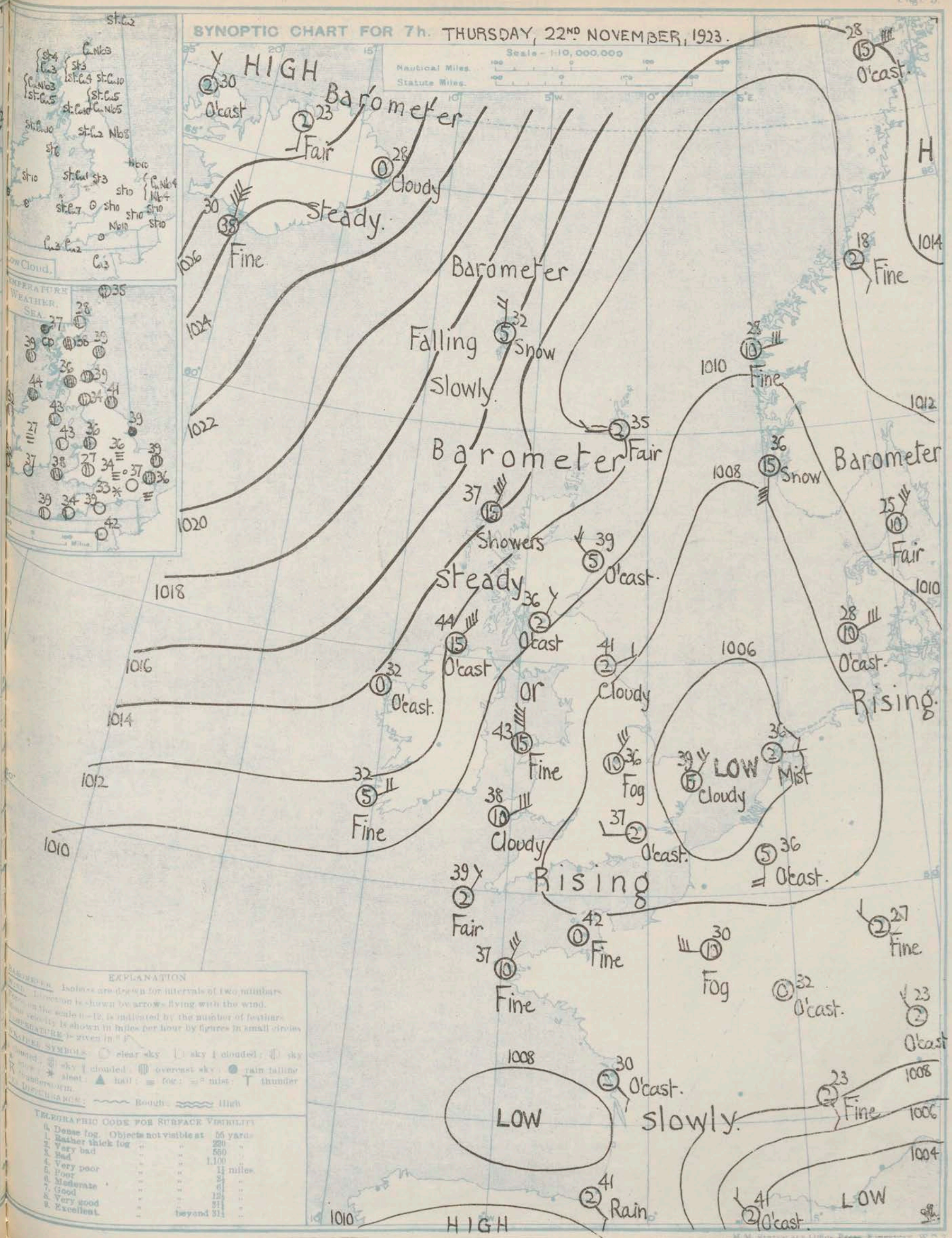
GENERAL INFERENCE.

The changes in progress are slight and winds will remain northerly or variable, mainly light. In the Eastern districts occasional rain, sleet or snow is probable, but in the West weather will be fair generally. Temperature will continue low with fog in places night and morning.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 22nd November 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Light variable winds; a good deal of cloud at times, probably occasional rain, sleet or snow; fog in places night and morning; cold.	None issued. ---
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Light variable or northerly winds; fair, apart from fog in places night and morning; cold.	
10. N.E. England 11. E. Scotland	Wind northerly, light or moderate; variable cloud, local showers of rain, sleet or snow; mist or fog in places night and morning; cold.	
12. S.W. Scotland 13. Isle of Man	As 4 - 9.	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	As 10 and 11.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 4 - 9.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0925 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page


SYNOPTIC CHART FOR 7h. THURSDAY, 22ND NOVEMBER, 1923.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
HIGH
Barometer
steady.
Falling
Slowly.
Barometer
Steady
or
Rising
Rising.
Barometer
slowly.
LOW
LOW
HIGH
H
O'cast
Fair
Cloudy
Fine
Snow
Showers
Fog
Mist
Rain
1014
1012
1010
1008
1006
1004
1018
1016
1020
1022
1024
1026
EXPLANATION
TELEGRAPHIC CODE FOR SURFACE VISIBILITY
0. Dense fog. Objects not visible at 55 yards
1. Rather thick fog " " 220 "
2. Very bad " " 550 "
3. Bad " " 1,100 "
4. Very poor " " 1¼ miles
5. Poor " " 2½ "
6. Moderate " " 6½ "
7. Good " " 12½ "
8. Very good " " 31½ "
9. Excellent " beyond 31½ "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. THURSDAY, 22ND NOVEMBER 1923. No. 326

Observations at 0100 G.M.T. 22nd

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.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1011.4	0	NE	2	bc	41	65	4	5400	StCu	5	CiSt	6
Stornoway	51	1013.4	+2	ENE	4	PH	•	•	9	•	•	•	•	•
Wick	81	1010.4	+1	NNE	4	c	42	45	8	4000	StCu	8	–	8
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1010.6	+1	NNE	4	c+	43	85	9	4000	Cu	4	CiCu	4
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1004.6	0	N	3	o+	40	45	8	•	Cu	10	–	10
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1006.8	+1	NNW	1	or	34	92	6	1500	Nb	10	–	10
Blacksod Point	10	1011.5	+2	N	2	b-	38	92	8	•	•	•	•	2
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1008.1	0	NNW	3	b	43	85	8	2500	Cu	3	–	3
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1005.0	+3	NE	2	o	39	92	4	2500	CuNb	10	–	10
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1006.2	+1	NW'N	4	o	35	94	6	1500	St	4	ASt	10
Gorleston	13	1004.6	+1	–	0	0	36	94	6	–	–	0	ASt	9
Valencia (Cahirciveen)	30	1008.6	+1	ESE	1	b-	34	85	9	–	–	0	–	0
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	140	1003.1	0	–	0	b	34	85	8	4000	Cu	3	–	3
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	37	•	•	•	•	•	•	•
Croydon	244	1006.4	0	W	2	mmo	34	94	4	4000	StCu	9	–	9
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1005.4	+1	NW	3	ffo	31	94	2	1500	St	10	–	10
Scilly (St. Mary's)	131	1008.4	0	–	0	b	38	92	8	4000	Cu	2	–	2
Falmouth (Pendennis)	200	1009.9	+3	N'E	1	b	36	85	8	4200	Cu	1	–	1
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1007.8	0	NE	2	b	34	45	6	–	–	0	–	0
Southampton (Calshot)	12	1004.4	+1	WNW	2	ob	35	92	6	–	–	0	–	0
Dungeness	21	1005.8	+1	N	2	ffo	34	94	9	<150	St	10	–	10
Guernsey	—													

Observations at 0700 G.M.T. 22nd

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun 0-9
Lerwick	1012.0	0	W	1	bc+	35	92	4	5400	StCu	2	ASt	5	0
Stornoway	1014.4	0	NNE	4	c/pr	34	94	4	450	St	4	–	4	3
Wick	1012.3	+1	NNW	2	bc	38	85	8	2500	CuNb	3	Ci	4	0
Castlebay	1014.5	+2	NNW	2	c/r	39	92	8	2500	StCu	8	–	8	2
Nairn	1013.0	•	NNE	3	c	38	85	8	1500	StCu	4	–	4	•
Aberdeen	1011.4	+1	NNW	2	o	39	45	8	2500	StCu	10	–	10	0
Malin Head	1011.5	0	NE	4	o	44	85	9	5400	StCu	10	–	10	2
Renfrew	1011.4	+2	NE	1	o	36	45	4	4000	StCu	10	–	10	•
Edinburgh (Inchkeith)	1010.5	+4	NE	4	o/sh	39	92	8	•	StCu	10	–	10	3
Leuchars	1011.0	+3	N	1	bc-	35	45	8	4000	StCu	5	–	5	•
Eskdalemuir	1010.5	+2	N	2	c	34	92	6	1500	StCu	2	CiSt	4	•
Tynemouth	1008.9	+4	ENE	1	c/r	41	85	6	1500	Nb	8	–	8	2
Blacksod Point	1013.5	0	–	0	o	32	94	4	•	•	•	•	10	5
Donaghadee	1010.6	+1	NNE	4	bc+	43	45	8	450	St	6	–	6	4
Birr Castle	1012.2	•	NW	1	fo+	24	94	1	<150	St	10	–	10	•
Holyhead	1008.8	+1	N	4	b	43	85	8	4000	StCu	1	–	1	3
Liverpool (Bidston)	1008.4	+1	N	2	bc+	36	85	9	2500	St	3	ASt	6	2
Chester (Shotwick)	1008.5	+1	N	2	o+	33	92	4	2500	StCu	9	–	9	•
Spurn Head	1010	+2	NNE	3	or	39	92	4	2500	Nb	10	–	10	2
Birmingham (Edgbaston)	1008.4	+1	NW	3	fo-	34	85	3	2500	StCu	10	–	10	•
Nottingham	1009.9	+2	NNE	3	ffo	36	92	2	800	St	10	–	10	•
Cranwell	1007.4	+1	NNW	3	ffo	34	97	2	450	St	10	–	10	•
Gorleston	1005.9	+1	NE	2	c-	39	85	6	4000	CuNb	8	–	8	0
Valencia (Cahirciveen)	1011.0	+1	ENE	2	b	32	85	8	–	–	0	–	0	3
Roches Point	1011.2	+1	NNW	1	b	37	94	4	–	–	0	–	0	0
Pembroke (St. Ann's H.)	1009.5	0	NE	3	c+	38	85	8	2500	StCu	4	–	4	2
Ross-on-Wye	1008.9	0	–	0	mbc-	24	92	4	–	–	0	ASt	5	•
Leafield	1008.1	+1	NW	2	fo+	34	85	3	800	St	10	–	10	•
Andover	1007.8	0	W'N	2	bc+	31	94	5	2500	StCu	6	–	6	•
S. Farnborough	1007.6	+1	NW	2	o	33	94	3	450	Nb	10	–	10	•
London (Kew Obsy.)	1007.1	+1	W	1	o	34	85	4	1500	St	10	–	10	•
Croydon	1007.3	+1	WNW	2	od	34	94	4	800	St	10	–	10	•
Clacton-on-Sea	1005.6	+1	NNW	2	mo-	36	92	5	4000	St	10	–	10	0
Shoeburyness	1006.0	+1	NW	4	mmo	35	85	6	450	St	10	–	10	•
Grain	1006.4	0	WNW	4	o/r	36	92	5	800	St	10	–	10	0
Lympne	1006.1	+1	NW'N	3	ffo	33	94	2	<150	St	10	–	10	•
Scilly (St. Mary's)	1008.4	0	NE	1	bc+	39	92	8	4000	Cu	3	ACu	5	1
Falmouth (Pendennis)	1010.0	+1	NNE	1	b	34	92	4	5700	Cu	2	–	2	0
Plymouth (Cattewater)	1009.4	+1	N	2	mb	30	94	5	–	–	0	CiSt	1	0
Portland Bill	1007.4	0	N	2	b	39	75	6	–	–	0	–	0	0
Southampton (Calshot)	1008.1	0	NW'N	2	o+	32	85	6	–	–	0	ASt	10	0
Dungeness	1005.9	0	N	2	ffo	32	94	3	450	St	10	–	10	2
Guernsey	1008.4	+1	–	0	o	42	45	4	4000	Cu	3	–	3	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 21st NOVEMBER

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 20-21st	Temperature. Max. Day. 21st	Rainfall.† Night 17h.-9h. 20-21st	Rainfall.† Day 9h.-17h. 21st	Sunshine.	Sunshine. Sunrise to Sunset. 21st
			°F.	°F.	mm.	mm.		hr.
Montrose	axzc	cbro	35	41	1	0.2		3.1
Berwick-on-Tweed	prshc	cbcrs	38	41	3	0.1		0.2
Llandudno	bcbc	ccb	41	44	–	–		4.2
Colwyn Bay	bc	bc	40	44	–	–		4.2
Rhyl	bcc	cbc	39	46	–	–		4.2
Southport	xbcbbc	dcco	33	41	–	–		3.5
Blackpool	c	c	32	42	–	–		2.0
Ilkley	xbcbc	bcbcb	31	42	3	–		1.4
Harrogate	c	c	32	38	3	–		0.5
Skegness	pc	cpr	33	41	5	0.1		1.0
Aberystwyth	oc	b	31	44	0.5	–		6.5
Bath	cobcb	cbcbm	37	41	–	–		1.0
Leamington Spa	c	cm	33	42	1	–		4.8
Lowestoft	ocop	acphro	31	41	1	4		1.0
Felixstowe	fom	cm	32	41	–	–		1.0
Southend	foa	co	31	42	–	–		1.0
Ilfracombe	bbb	cc	41	45	–	–		4.4
Bude	xb	b	30	46	–	–		5.7
Torquay	b	b	32	44	–	–		5.0
Weymouth	bcc	cb	34	43	–	–		0.8
Bournemouth	oo	cbm	35	42	–	–		1.9
Portsmouth (S'thsea)	o	o	35	42	–	–		0.1
Littlehampton	bcmbc	bcbcm	32	40	–	–		0.4
Worthing	cbc	bc	32	43	–	–		1.1
Brighton	xmcoo	o	32	40	–	–		0.4
Eastbourne	fo	oc	31	40	–	–		–
Hastings	xmo	orgsbm	33	40	0.2	trace		0.5
Folkestone	x	f	28	40	–	0.2		–
Dover	omcm	dcmbm	33	41	–	trace		0.7
Tunbridge Wells	omdo	oof	30	39	–	trace		–
Ramsgate	o	orbcm	31	40	–	1		0.8
Margate	op	oc	35	42	–	0.1		1.0
Deal	mo	obcm	32	41	–	trace		–

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Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22646 Friday, 23rd November 1923.

Observations at 1300 G.M.T. 22nd

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1013·0	+1	NNW	1	cjp	39	85	7	4000	CuNb	3	ACu	7	*
Stornoway	1014·6	0	NNE	3	oprp	39	92	7	800	St	9	-	9	*
Wick	1012·6	0	N	3	b	40	85	8	2500	CuNb	2	Ci	3	*
Castlebay	1014·8	0	NNW	3	b/r	41	75	8	4000	Cu	3	-	3	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1012·4	0	NW	2	cjp	41	85	7	2500	StCu	7	-	7	1
Malin Head	1012·9	+1	NE¹E	4	bc	44	75	9	5700	StCu	6	-	6	*
Renfrew	1013·0	-0	NNE	1	c-	42	75	6	5700	StCu	5	Ci	7	1
Edinburgh (Inchkeith)	1011·3	+0	N	3	bc	41	75	7	*	Cu	5	-	5	*
Leuchars	1011·7	-0	N	1	bc-	39	75	8	5700	StCu	3	Ci	4	1
Eskdalemuir	1012·1	+1	N¹E	1	o/s	36	92	7	4000	StCu	9	-	9	7
Tynemouth	1010·5	+1	SE	1	c	42	75	7	1500	CuNb	8	-	8	*
Blacksod Point	1012·4	0	-	0	o+	41	92	9	*	*	*	*	10	*
Donaghadee	1011·9	0	E¹N	4	C+	43	85	8	450	StCu	8	-	8	*
Birr Castle	1012·9	*	NW	1	ffo	29	85	2	4150	St	10	-	10	*
Holyhead	1009·9	+0	ENE	4	o	43	92	7	2500	StCu	5	CiSt	9	0
Liverpool (Bidston)	1010·1	+0	N	1	c/f	38	85	4	1500	StCu	8	-	8	*
Chester (Shotwick)	1010·1	+0	NW	2	o+-	39	85	3	4000	StCu	9	-	9	1
Spurn Head	1009·0	+1	ENE	4	o	42	85	7	4000	StCu	6	ACu	9	*
Birmingham (Edgbaston)	1009·1	-0	NW	3	om	39	85	4	4000	St	10	-	10	2
Nottingham	1008·9	0	NNE	2	o	41	85	6	1500	Nb	3	CiSt	9	*
Cranwell	1009·0	+1	NNE	2	c	40	97	8	2500	Cu	1	CiSt	8	2
Gorleston	1007·0	+1	NE	4	c	40	92	7	4000	CuNb	7	-	7	*
Valencia (Cahirciveen)	1012·1	0	ENE	2	b	43	75	9	-	-	0	-	0	2
Roches Point	1011·1	-1	NNW	2	b	39	85	6	-	-	0	-	0	*
Pembroke (St. Ann's H.)	1010·8	0	-	0	c	44	75	8	4000	StCu	7	-	7	*
Ross-on-Wye	1009·3	0	NW	1	c-	36	85	5	4000	StCu	6	ACu	7	5
Leafield	1008·6	+1	NW	2	ffo	37	92	3	800	St	10	-	10	2
Andover	1008·5	0	NNW	2	o+	37	92	5	1500	St	10	-	10	1
S. Farnborough	1008·3	-0	NNW	2	od	37	97	4	450	Nb	10	-	10	2
London (Kew Obsy.)	1008·0	-1	N	2	od	40	85	6	2500	Nb	10	-	10	1
Croydon	1008·5	0	NW	1	o/r	38	92	4	800	St	10	-	10	2
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1007·1	+1	NW	4	cd	40	85	7	1500	St	7	ACu	8	*
Grain	1007·3	0	NW¹g	3	or	40	92	7	800	St	8	ACu	10	2
Lympne	1006·6	-1	NNW	2	o/f	38	97	5	220	St	10	-	10	2
Scilly (St. Mary's)	1009·6	0	E	2	b	48	75	8	1000	Cu	3	-	3	*
Falmouth (Pendennis)	1010·5	+1	NNE	1	b	44	65	8	5700	Cu	2	-	2	*
Plymouth (Cattewater)	1009·3	-2	NNW	1	bm-	42	75	5	-	-	0	CiSt	1	0
Portland Bill	1008·7	0	N	2	o+	41	65	6	-	-	0	ASt	10	*
Southampton (Calshot)	1008·3	-1	NNW	3	mmo	38	85	5	-	-	0	ASt	10	0
Dungeness	1006·3	0	N	2	c/f	40	92	6	4000	CuNb	8	-	8	*
Guernsey	1009·1	-1	NW	3	bc/f	44	75	8	4000	Cu	4	Ci	5	*

Observations at 1800 G.M.T. 22nd

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1013·9	+1	-	0	cPM	37	85	7	4000	Nb	6	ASt	10	0
Stornoway	1014·5	0	NNE	3	o/r	36	97	7	800	St	9	-	9	2
Wick	1012·8	0	NNW	2	oq	36	92	8	2500	CuNb	3	CiSt	10	0
Castlebay	1014·7	0	NNW	3	bc	39	85	8	4000	Cu	3	CiSt	5	2
Nairn	1013·7	*	N	1	c+	36	85	8	4000	StCu	8	-	8	*
Aberdeen	1013·2	+1	NW	3	bc-	36	97	7	4000	StCu	4	-	4	0
Malin Head	1012·9	0	NNE	3	bcV	43	75	9	5700	Cu	6	-	6	1
Renfrew	1014·1	+2	-	0	mmo	32	85	4	5700	StCu	10	-	10	*
Edinburgh (Inchkeith)	1012·8	+2	N	2	o+	38	75	8	*	StCu	9	-	9	1
Leuchars	1012·3	+1	-	0	o	36	85	7	5700	StCu	9	-	9	*
Eskdalemuir	1013·1	+1	N	2	o	34	85	6	1500	StCu	10	-	10	*
Tynemouth	1011·4	+2	NNW	1	o/r	37	92	6	1500	CuNb	9	-	9	2
Blacksod Point	1012·6	0	-	0	c-	40	85	7	*	*	*	*	7	0
Donaghadee	1012·6	+1	ENE	3	c	43	75	8	450	St	8	-	8	5
Birr Castle	1012·5	*	NW	1	Fo+	30	97	1	4150	St	10	-	10	*
Holyhead	1009·8	+2	E	3	b-	40	92	8	4000	Cu	1	CiCu	2	0
Liverpool (Bidston)	1011·2	+1	NNE	1	fbc-	36	85	3	1500	St	5	-	5	3
Chester (Shotwick)	1011·0	+2	-	0	ffbc	35	92	3	4000	StCu	5	-	5	*
Spurn Head	1010·3	+3	NE	4	cs	40	75	7	2500	Nb	8	-	8	2
Birmingham (Edgbaston)	1010·5	+2	NNW	3	mo+	37	85	4	1500	St	10	-	10	*
Nottingham	1010·3	+1	NNE	3	b-	36	92	6	-	-	0	ACu	2	*
Cranwell	1010·8	+2	NNE	3	c-	34	97	6	2500	StCu	4	ACu	7	*
Gorleston	1008·1	0	N¹E	6	b-	40	85	7	4000	Nb	3	-	3	1
Valencia (Cahirciveen)	1012·6	+1	NE	3	b+	37	85	9	2500	StCu	2	-	2	0
Roches Point	1011·3	0	NNE	2	b	36	92	7	-	-	0	-	0	0
Pembroke (St. Ann's H.)	1010·8	0	ENE	2	c	40	85	8	2500	StCu	8	-	8	2
Ross-on-Wye	1010·1	+1	-	0	mmo	36	85	4	1500	St	10	-	10	*
Leafield	1009·5	+2	NW	2	ffo	36	92	3	800	St	10	-	10	*
Andover	1009·3	+2	NNW	2	o	36	97	5	1500	St	10	-	10	*
S. Farnborough	1009·0	+1	NNW	1	mmo	37	92	5	800	St	10	-	10	*
London (Kew Obsy.)	1008·9	+1	NW	1	bc	39	85	5	4000	StCu	5	ACu	6	*
Croydon	1009·0	+1	NW¹N	1	mmo	38	92	4	800	St	10	-	10	*
Clacton-on-Sea	1007·3	+1	N	3	c	38	92	6	2500	Cu	5	ASt	8	0
Shoeburyness	1007·7	0	NNW	3	b-	36	85	7	-	-	0	ACu	2	*
Grain	1007·6	+1	NNW	3	o	38	92	7	1500	StCu	8	CiSt	9	0
Lympne	1007·4	+1	NW¹N	2	o	36	92	6	450	St	9	-	9	*
Scilly (St. Mary's)	1009·7	0	E	1	b	40	92	8	4000	Cu	3	-	3	1
Falmouth (Pendennis)	1010·7	0	-	0	b	41	85	7	5700	Cu	3	-	3	0
Plymouth (Cattewater)	1009·8	0	-	0	c-	39	85	6	2500	St	8	-	8	0
Portland Bill	1009·3	0	N	2	b⊕	37	75	6	-	-	0	-	0	0
Southampton (Calshot)	1009·8	+2	NW	2	odo	38	92	5	2500	StCu	5	ASt	10	0
Dungeness	1008·2	+1	NNW	2	c-	36	97	6	4000	StCu	8	-	8	2
Guernsey	1009·5	+1	N	1	c	42	85	8	4000	Cu	7	-	7	0

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h.
		24 HOURS ENDED 0900 G.M.T. 23rd											
Kew	18	omd	omd	bc	*	*	20	Tr	-	0.0	*	*	
Croydon (24 hours ended 0700)	244	omfd	om	ombcKu	*	*	23	0.1	-	0.0	*	*	3
Greenwich (Royal Obsy.)	149	o	o	ocoxU	40	32	26	-	-	0.0	85	80	3
City (Bunhill Row)	89	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	41	33	30	-	-	0.0	80	91	*
Regent's Pk. (Botanic Gdns.)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square	110	o	oC	*	40	32	28	-	-	*	*	79	*
Kensington Palace	80	o	o	*	40	31	21	-	-	*	At 18h 42	42	*
Hampstead Observatory	450	*	*	*	34	29	21	Tr	-	0.0	83	45	*

ATMOSPHERIC POLLUTION.

Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 22nd

South Kensington

Max.	Time.	Min.	Time.
-	-	-	-

Kew Observatory

Max.	Time.	Min.	Time.
0.8	20h. 21st	0.3	15h. 22
0.6	8h. 22nd		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 22nd 14h. 00m. to 23rd 06h. 30m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13.30	4.48	58
δ Ursae Minoris	13.30	4.24	55

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.¹

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h	CC2	6	-	5°
18h	CC2	6	-	120°
01h	C	5	-	140°
07h	CC2	5	-	155°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

23rd-24th Nov., 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.29	11.39	3.49
	7.31	11.40	3.48
Greenwich	7.32	11.46	4.0
	7.34	11.47	3.59
Wick	8.20	11.58	3.36
	8.22	11.59	3.35
Valencia	8.15	12.24	4.39
	8.17	12.26	4.38

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. ro = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). { before (for precipitation).
⊕ = 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; - = "decreasing"; + = "increasing."

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 miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

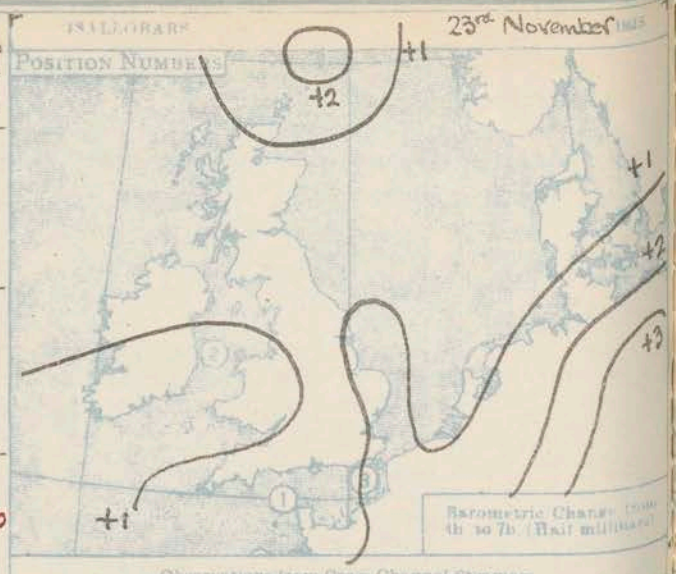
SEA DISTURBANCE.

0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

¹ For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 22nd	13h.-18h. 22nd	18h. 22nd to 1h. 23rd	1h.-7h. 23rd	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 22nd Hours.
Lerwick	bcps	c	c	obrS	40	33	.	0.1	5	<0800	<2100	1.2
Stornoway	p	p	bbc	cph	40	28	.	1	1	-	-	1.6
Wick	b-bc	c	o	obS	40	31	.	.	Trace	-	0630	.
Castlebay	opbc	bc	bcb	bbc	42	36	.	3	-	-	-	3.6
Nairn	cbc	bcoq	cbcx	bx	39	28		.	-	-	-	1.6
Aberdeen	omc	cprhc	bc	bcxm	41	32	29	0.4	-	13.30	-	1.5
Malin Head	cov	cov	cor.r	covir	45	33		-	4	-	2200	4.5
Renfrew	oxm	cbmox	obmx	bcmx	42	23	14	-	-	-	-	0.9
Edinburgh (Inchkeith)	c	c	obc	c	41	34	30	-	Trace	-	-	2.1
Leuchars	bcxcbc	c	obxo	xobco	41	29	18	.	-	-	-	2.8
Eskdalemuir	oprss	oo	oob.o	o	36	29	26	0.4	Trace	<0800	<2100	0.0
Tynemouth	c	mp.	ir.m	ir	43	34	32	p.1	2	16.30	<2100	.
Blacksod Point ...	b-bc	c	bbc	bbc	42	24	.	-	-	-	-	.
Donaghadee	c	o	c	bc	44	34	.	-	-	-	-	.
Birr Castle	f-m	offe	offl	cffx	30	25	17	0.2	-	<0800	-	0.0
Holyhead	oo	ocbcb	bbcox	mmo	44	36	31	-	-	-	-	0.9
Liverpool (Bidston) ...	fom	bm	f	f	39	34	29	-	-	-	-	0.0
Chester (Shotwick) ...	omff	ofeff	off	off	40	28	21	.	-	-	-	0.3
Spurn Head	c	cos	bbc	c	42	34	.	0.2	0.1	<0800	<2100	1.2
Birmingham (Edgbaston)	or.sm	omm	obcbm	bbcfx	39	31	25	0.2	-	<0800	-	0.0
Nottingham	omp.	mo	b	bx	41	33	29	0.1	-	12.30	-	0.1
Cranwell	opc	c	b	ocx	40	29	25	0.3	-	<0800	-	0.8
Gorleston	cphrq	cpbcq	cqoq	oq	41	39	36	3	0.5	<0800	<2100	0.3
Valencia (Cahirciveen)	bv	bd	cx	bx	43	33	24	-	-	-	-	4.0
Roches Point	bz	bz	bx	bx	40	30	.	-	0.3	-	-	
Pembroke (St. Ann's H.)	b-bc	c	bbc	bcx	45	35	.	-	-	-	-	4.1
Ross-on-Wye	cmbmcm	bcgom	hbom	cmbmx	38	29	21	-	0.4	-	<2100	1.4
Leafield	wodo	fodo	bfx	bcfxc	37	25	20	0.2	-	11.00	-	0.0
Andover	cmom	om	obmgm	bcmbmx	38	28	21	trace	0.1	-	<2100	0.0
S. Farnborough ...	osfodm	dom	obcbm	bmmx	38	22	15	0.4	-	<0800	-	0.0
London (Kew Obsy.) ...	omdo	omdbcm	bcmxlbx	bmxomx	40	30	20	trace	-	0900	-	0.0
Croydon	omfdo	om	ombcx	f:m	38	29	23	0.1	-	<0800	-	0.0
Clacton-on-Sea ...	ogcm	cm	cm	cmogr	42	36	33	-	1	-	0330	0.8
Shoeburyness	omdfcid	cid.bcb	bbc	bcxco	40	33	30	0.1	-	11.00	-	0.0
Grain	ogr.	oo	oo	oo	40	35	31	trace	-	<0800	-	0.0
Lympne	ofdo	om	ocom	omw	38	34	31	0.2	Trace	-	-	0.0
Scilly (St. Mary's) ...	bc	bc	bcbr	bc	48	36	.	-	1	-	<2100	4.9
Falmouth (Pendennis)	bc	bc	bc	bc	44	35	.	-	-	-	-	4.1
Plymouth (Cattewater)	bm	bbccm	cmbx	bbccx	43	34	14	0.3	-	-	-	4.6
Portland Bill	b-bc	c	f-m	bbc	42	33	.	-	-	-	-	.
Southampton (Calshot)	om	omofm	oid.c	bmx	39	31	24	Trace	trace	12.30	<2100	0.0
Dungeness	F	oo	c.	c	41	28		-	-	-	-	
Guernsey	mcbc	cbccmh	cp.h	d.d.c	45	38	.	-	Trace	-	<2100	.



Observations from Cross Channel Steamers

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	22nd 10h	Anglia	NNE	5	c	43	51	8
1	22nd 12h	Reindeer	NNE	3	bc†	46	52	4
7	23rd 2h	Dieppe	N	3	o/s(h)	42	52	4

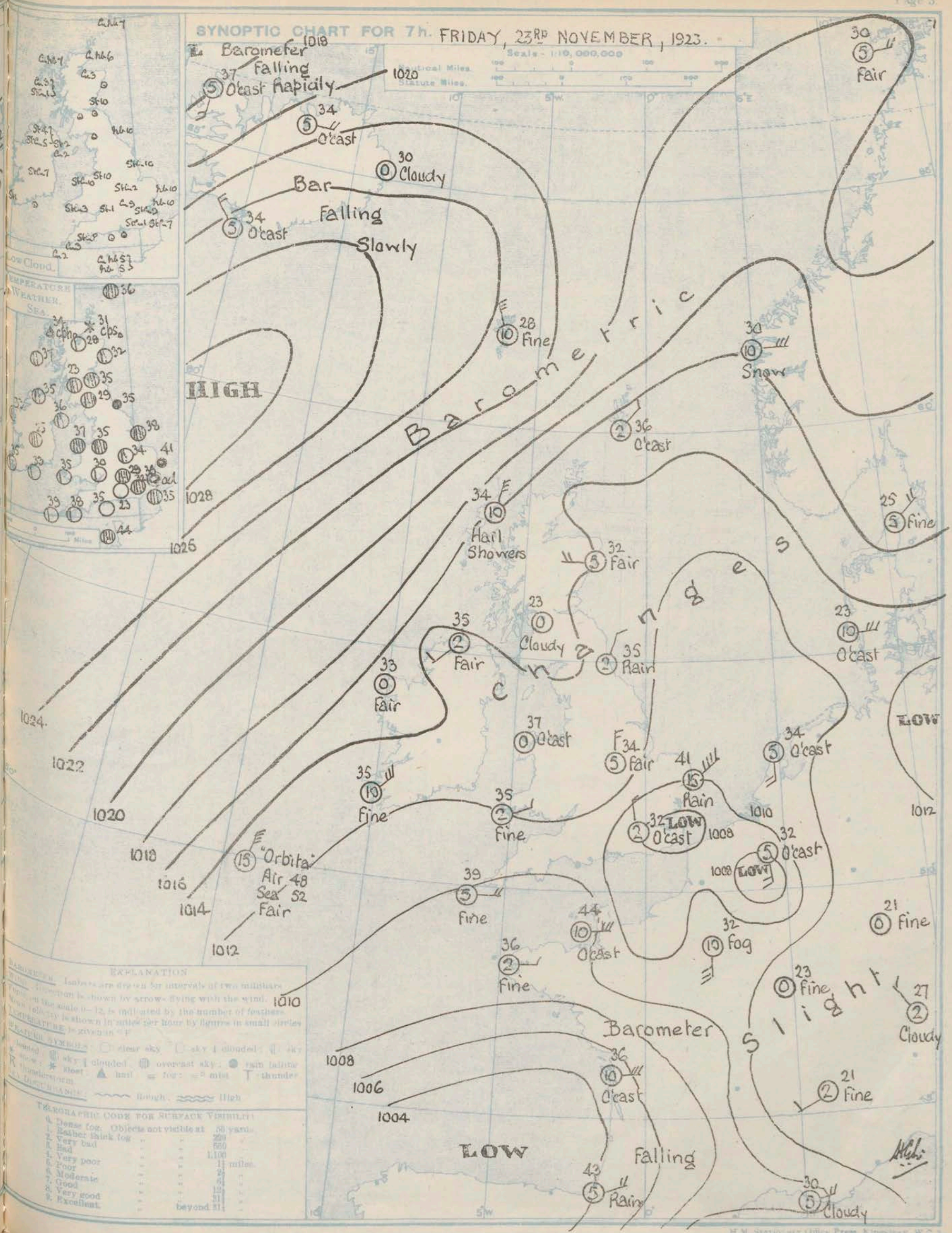
GENERAL INFERENCE.

High pressure extends from Spitzbergen to the Atlantic to the west of Ireland, while pressure remains relatively low south and east of the British Isles. Cold weather will continue with winds mainly from N. and N.E. Further rain, sleet or snow is probable locally in the East and North, but in the West conditions will be mainly fair.

Districts.	Forecasts for the 24 hours commencing 15h G.M.T. Friday, 23rd, November, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Light or moderate N.E. winds; cloudy at times, local rain, sleet or snow; fog in places night and morning; cold.	Cold for several days with snow in places.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Light or moderate N. or N.E. winds; fair apart from fog in places night and morning; cold.	
10. N.E. England 11. E. Scotland 12. S.W. Scotland	Wind N. or N.E., light or moderate; variable cloud, local showers of rain, sleet or snow; mist or fog in places night and morning; cold.	
13. Isle of Man	As 4 - 9.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	As 10 and 11.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 4 - 9.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0930 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION...Friday, 23rd November.....1923. No. 327

Observations at 0100 G.M.T. 23rd

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.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1014.4	0	NE	2	xc/b	34	92	4	4000	CuNb	4	ACu	6
Stornoway	51	1015.1	0	—	0	b	•	•	4	•	•	•	•	•
Wick	81	1013.3	0	W	1	0	32	94	8	4000	Cu	3	CiSt	10
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1013.4	+1	NW	1	or	38	94	4	4000	Nb	9	—	9
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1013.4	+1	W	2	b-	36	85	8	•	—	0	ACu	2
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1012.1	0	W	1	c/r	35	92	6	1500	Nb	8	—	8
Blacksod Point	10	1014.4	0	—	0	b-	34	92	8	•	•	•	•	3
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1012.2	+1	SE	1	o+	34	92	4	2500	StCu	10	—	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1014.5	+1	NE	3	b	38	45	8	5400	Cu	3	—	3
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1012.2	+2	NW	3	bc(s)	30	94	6	2500	StCu	4	—	4
Gorleston	13	1009.6	+1	NNE	5	o+	40	85	4	4000	StCu	10	—	10
Valencia (Cahirciveen)	30	1012.8	0	SE	2	o+	34	85	8	—	Cu	4	—	4
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1011.6	+1	ENE	3	b	35	92	4	—	—	0	—	0
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	32	•	•	•	•	•	•	•
Croydon	244	1010.0	0	NW'W	2	bc-	31	94	4	4000	StCu	4	—	4
Clacton-on-Sea	51	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1007.0	+1	N'W	3	0	35	92	6	800	St	10	—	10
Scilly (St. Mary's)	131	1009.9	0	E	1	b	39	92	8	4000	Cu	3	—	3
Falmouth (Pendennis)	200	1011.5	0	NNE	2	b	38	85	4	5400	Cu	2	—	2
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1009.4	0	N	2	c/f	34	85	6	—	—	0	ASt	8
Southampton (Calshot)	12	1010.2	0	N	3	b-	35	92	6	—	—	0	—	0
Dungeness	21	1007.5	0	N	2	o	34	94	4	—	—	0	ASt	10
Guernsey														

Observations at 0700 G.M.T. 23rd

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1015.5	+3	NE	1	o/b	36	85	4	4000	CuNb	4	ACu	9	0
Stornoway	1014.9	0	NNE	3	c/bh	34	94	4	1500	CuNb	4	—	4	0
Wick	1013.9	+1	NW	1	c/bs	31	94	8	1500	CuNb	6	CiSt	8	0
Castlebay	1015.1	0	N	2	bc	34	85	8	2500	Cu	4	—	4	2
Nairn	1014.5	•	—	0	b-	28	45	8	4000	Cu	3	—	3	•
Aberdeen	1014.0	0	W	2	bc-	32	94	6	—	—	0	CiSt	6	0
Malin Head	1013.6	0	SW	1	bc/r	35	94	9	4000	St	6	—	6	1
Renfrew	1014.9	0	—	0	c	23	94	4	—	—	0	Ci	8	•
Edinburgh (Inchkeith)	1012.6	0	W	2	c+	35	85	8	•	—	0	AStr	4	0
Leuchars	1013.4	+1	NW	1	o	33	85	8	4000	St	10	—	10	•
Eskdalemuir	1014.~~5~~0	0	NW	2	o	29	~~85~~5	8	—	—	0	ACu	9	•
Tynemouth	1012.8	0	NNE	1	or-	35	94	6	800	Nb	10	—	10	2
Blacksod Point	1014.4	0	—	0	bc	33	94	4	•	•	•	•	6	4
Donaghadee	1013.8	0	—	0	bc	36	92	8	800	St	4	—	4	0
Birr Castle	1013.8	•	NW	1	ffc	25	94	3	4000	StCu	7	—	7	•
Holyhead	1012.4	+1	—	0	o	34	94	6	4000	StCu	10	—	10	0
Liverpool (Bidston)	1012.8	0	NW	1	fo-	35	85	3	—	—	—	—	10	2
Chester (Shotwick)	1012.3	0	—	0	fo+	29	94	2	5400	StCu	10	—	10	•
Spurn Head	1011.4	+1	NE	3	o	38	45	4	4000	StCu	10	—	10	2
Birmingham (Edgbaston)	1012.6	0	NNE	2	fbc-	33	85	3	—	—	0	AStr	6	•
Nottingham	1012.3	0	N	2	ffbc	34	92	2	2500	StCu	2	ACu	4	•
Cranwell	1012.5	0	NNW	3	fb-	29	94	6	4000	StCu	2	—	2	•
Gorleston	1010.2	+1	NE	4	or+	41	45	4	2500	Nb	10	—	10	0
Valencia (Cahirciveen)	1013.1	+1	NE	3	b	35	85	4	2500	St	1	—	1	1
Roches Point	1012.9	+1	NW	2	b	33	94	6	—	—	0	ACu	2	0
Pembroke (St. Ann's H.)	1011.6	+1	ENE	1	b+	35	92	6	5400	StCu	3	—	3	2
Ross-on-Wye	1012.2	+1	—	0	b-	30	94	3	800	St	1	—	1	•
Leafield	1012.0	+1	NW	1	mmo	29	85	4	2500	Cu	9	—	9	•
Andover	1011.0	0	N	3	b-	29	92	6	—	—	0	—	0	•
S. Farnborough	1010.9	0	NW'N	2	mmb	23	94	5	•	StCu	1	—	1	•
London (Kew Obsy.)	1010.6	+1	N'W	1	o+	32	45	5	2500	StCu	9	—	9	•
Croydon	1010.5	+1	NW'W	2	o	30	92	5	4000	StCu	10	—	10	•
Clacton-on-Sea	1009.1	+1	N	3	od-	36	92	4	1500	Nb	10	—	10	0
Shoeburyness	1009.1	+1	NNE	5	o+	36	85	8	1500	StCu	10	—	10	•
Grain	1009.0	0	N	5	o	34	85	4	4000	St	10	—	10	0
Lympne	1008.1	+1	N	4	o	36	92	6	800	St	10	—	10	•
Scilly (St. Mary's)	1010.0	0	E	2	b	39	85	8	4000	Cu	2	CiCu	3	2
Falmouth (Pendennis)	1010.1	0	ENE	4	b+	38	85	4	5400	Cu	3	—	3	0
Plymouth (Cattewater)	1010.5	0	ENE	2	c	36	85	8	4200	StCu	8	—	8	0
Portland Bill	1010.4	0	NE	3	b-	35	65	6	—	—	0	—	0	0
Southampton (Calshot)	1010.3	+1	NNW	3	b	32	85	6	—	—	0	—	0	0
Dungeness	1007.8	0	NNW	4	c+	35	94	8	4000	StCu	4	—	4	3
Guernsey	1009.4	0	E	3	o	44	94	8	2500	CuNb	10	—	10	1

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 22nd Nov.

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 21st-22nd °F.	Temperature. Max. Day. 22nd °F.	Rainfall.† Night 17h.-9h. 21st-22nd mm.	Rainfall.† Day 9h.-17h. 22nd mm.	Sunshine.	Sunshine. Sunrise to Sunset. 22nd hr.
Montrose	ocbc	bc	36	41	—	—	2.5	
Berwick-on-Tweed	prshd	odpdc	36	42	4	1	0.3	
Llandudno	moc	mbco	39	42	—	—	1.7	
Colwyn Bay	bc	bc	36	42	—	—	1.7	
Rhyl	mo	mo	~~35~~ 29	~~42~~ 42	—	—	0.2	
Southport	xcocbc	bccoc	31	40	—	—	2.3	
Blackpool	bc	c	33	42	—	—	3.1	
Ilkley	c	bc	34	40	Trace	—	0.6	
Harrogate	ompr3	cbcb	33	39	0.2	—	2.3	
Skegness	hcpo	oroc	34	43	2	0.4	1.5	
Aberystwyth	c	b	29	42	—	—	5.5	
Bath	bmco	om	28	38	—	—	0.0	
Leamington Spa	cbc	bm	33	40	—	—	0.0	
Lowestoft	o	cp	33	41	3	1	0.2	
Felixstowe	omo	ompd	34	42	—	—	1.0	
Southend	foc	o	35	41	2	—	0.3	

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 21st-22nd °F.	Temperature. Max. Day. 22nd °F.	Rainfall.† Night 17h.-9h. 21st-22nd mm.	Rainfall.† Day 9h.-17h. 22nd mm.	Sunshine.	Sunshine. Sunrise to Sunset. 22nd hr.
Ilfracombe	bbc	bcc	33	47	—	—		2.7
Bude	xbb	bbcpr	26	47	—	0.2		4.6
Torquay	b	b	31	44	—	—		4.9
Weymouth	xcb	b	31	42	—	—		2.7
Bournemouth	o	o	30	40	—	—		0.0
Portsmouth (S'thsea)	od	om	32	39	—	0.4		0.0
Littlehampton	ommr	omrom	31	38	0.2	0.2		0.0
Worthing	o	o	32	39	—	—		0.0
Brighton	o	o	35	42	—	—		0.3
Eastbourne	o	of	35	39	—	—		0.1
Hastings	xors,c	cobcom	31	40	0.2	0.2		1.7
Folkestone	fco	om	32	41	—	—		0.0
Dover	oemm	odmr	35	41	—	Trace		0.2
Tunbridge Wells	ofrs	of	30	38	1	1		0.0
Ramsgate	oro	orof	34	39	0.1	3		0.0
Margate	o	op	36	42	—	1		0.0
Deal	mo	orr	33	40	—	1		0.0

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* Information for these reports not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 5. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22644 Saturday, 24th November 1923.

Observations at 1300 G.M.T. 23rd

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1017·8	+2	NE	2	bjp	38	75	7	4000	CuNb	3	-	3	•
Stornoway	1017·2	+2	NNE	4	cph	36	97	7	1500	CuNb	8	-	8	•
Wick	1016·6	+3	ENE	3	oph	41	75	8	1500	CuNb	7	CiSt	9	•
Castlebay	1016·5	+0	NNW	2	b/h	40	75	8	4000	StCu	2	-	2	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1015·8	+1	NNW	3	bc-	36	85	7	2500	StCu	6	-	6	1
Malin Head	1015·2	+2	SSE	1	cr	39	92	7	4000	Nb	7	-	7	•
Renfrew	1016·6	+1	-	0	bff	28	97	2	-	-	0	-	0	6
Edinburgh (Inchkeith)	1015·3	+1	N	2	bc+	38	75	6	•	-	0	CiSt	5	•
Leuchars	1015·4	+1	NNW	1	c	35	85	6	-	-	0	ASt	7	1
Eskdalemuir	1015·5	+2	N	3	b-	34	85	7	4000	Cu	1	ACu	3	7
Tynemouth	1014·1	+1	NNW	1	c	38	92	6	4000	CuNb	3	CiCu	7	•
Blacksod Point	1016·3	0	N	2	b-	40	85	9	•	•	•	•	3	•
Donaghadee	1015·3	+1	E	1	bc-	43	75	8	800	Cu	2	ACu	4	•
Birr Castle	1015·2	•	NW	1	fb-	33	85	3	4000	StCu	3	-	3	•
Holyhead	1014·2	+1	W'N	3	bc+	41	85	7	5700	Cu	6	-	6	0
Liverpool (Bidston)	1014·2	+1	NNW	1	bc/f	38	75	5	4000	St	3	CiSt	4	•
Chester (Shotwick)	1014·0	+1	NW	1	ffo	35	92	2	5700	StCu	9	-	9	1
Spurn Head	1012·4	0	N	4	bc	41	85	9	5700	Cu	5	-	5	•
Birmingham (Edgbaston)	1013·4	+1	N	2	bcm	38	75	4	4000	Cu	3	ACu	4	2
Nottingham	1013·0	+1	NNE	3	b	40	85	4	-	-	0	-	0	•
Cranwell	1013·8	+1	NW'N	3	b	37	92	5	4000	StCu	1	-	1	1
Gorleston	1011·6	+1	NE	2	o/r	40	92	6	4000	Nb	10	-	10	•
Valencia (Cahirciveen)	1015·6	+2	E'N	3	b+	42	75	8	-	-	0	ACu	2	1
Roches Point	1014·5	0	NE	2	b-	38	92	7	5700	StCu	3	-	3	•
Pembroke (St. Ann's H.)	1014·2	0	E	1	b-	41	75	7	-	-	0	ACu	3	•
Ross-on-Wye	1012·9	0	NNE	1	bcm	36	85	4	2500	Cu	6	-	6	16
Leafield	1013·0	+1	NNE	2	omm	37	85	4	800	St	6	CiCu	9	2
Andover	1011·5	+0	NNE	3	b-	38	75	6	7200	Cu	1	-	1	1
S. Farnborough	1012·6	+0	NNW	2	bmm	37	85	6	5700	StCu	1	ACu	3	1
London (Kew Obsy.)	1011·7	+0	NW	1	o-	37	75	4	-	-	0	ACu	9	1
Croydon	1011·9	0	NW'N	1	ffc	35	85	3	1500	StCu	8	-	8	3
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1010·9	+2	NNE	1	b/r	38	85	7	2500	StCu	3	•	3	•
Grain	1010·8	+2	NNE	4	c-	39	85	7	4000	StCu	7	-	7	1
Lympne	1010·3	+2	N'E	3	o/p	41	85	8	1500	Nb	10	-	10	1
Scilly (St. Mary's)	1011·6	+1	E	3	bc	45	85	8	4000	Cu	4	-	4	•
Falmouth (Pendennis)	1012·0	+1	NE	3	b	41	65	8	5700	Cu	2	-	2	•
Plymouth (Cattewater)	1012·0	+1	ENE	2	b	40	75	7	-	-	0	-	0	0
Portland Bill	1010·7	0	NE	3	b	40	65	6	-	-	0	-	0	•
Southampton (Calshot)	1011·9	-1	N	2	b/f	40	75	6	5700	StCu	1	-	1	0
Dungeness	1009·7	+1	NNE	3	c+	40	97	8	4000	Nb	7	-	7	•
Guernsey	1010·6	-1	E	3	c/r	41	85	8	4000	Nb	4	ACu	8	•

Observations at 1800 G.M.T. 23rd

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	[illegible]
Lerwick	1019·2	+2	N	1	bcs	34	85	7	4000	CuNb	4	-	4	0
Stornoway	1020·2	+2	NNE	4	u	37	92	7	800	CuNb	9	-	9	3
Wick	1018·7	+4	NW	2	bc/sh	36	85	8	1500	CuNb	6	-	6	0
Castlebay	1018·9	+3	N	2	b	39	75	8	4000	Cu	2	-	2	2
Nairn	1019·0	•	-	0	css	33	92	7	2500	Nb	8	-	8	•
Aberdeen	1017·9	+2	NW	3	c-	35	97	7	2500	CuNb	7	-	7	0
Malin Head	1017·2	+3	S	1	b-	34	97	9	4000	Cu	3	-	3	?
Renfrew	1018·6	+3	-	0	ffb	21	97	2	-	-	0	-	0	•
Edinburgh (Inchkeith)	1016·8	+1	N	2	b	36	75	7	•	st	1	-	1	0
Leuchars	1017·3	+3	-	0	b	33	75	7	-	-	0	-	0	3
Eskdalemuir	1017·5	+2	N'W	3	b	30	85	7	4000	St.Cu	2	A.Cu	3	•
Tynemouth	1015·7	+2	NW	1	ojp	35	97	6	800	Nb	9	-	9	2
Blacksod Point	1017·7	+1	-	0	bc	39	85	7	•	•	•	•	5	0
Donaghadee	1017·2	+2	N	2	b	42	65	8	800	Cu	2	-	2	2
Birr Castle	1017·0	•	E	1	fo+	29	97	2	1150	st	10	-	10	•
Holyhead	1015·8	+2	-	0	bcpg	40	97	8	5700	Cu	3	ACu	6	0
Liverpool (Bidston)	1015·9	+2	N'W	1	ffo	35	85	3	800	St.	10	-	10	2
Chester (Shotwick)	1015·4	+2	N	2	ffb	31	92	2	-	-	0	-	0	•
Spurn Head	1014·0	+2	NW'N	3	b	39	85	8	4000	Cu	3	-	3	2
Birmingham (Edgbaston)	1015·1	+3	N	3	fb+	35	85	3	-	-	0	-	0	•
Nottingham	1014·8	+2	NNE	2	b	35	92	4	-	-	0	-	0	•
Cranwell	1015·0	+2	NNW	3	mb+	32	97	4	-	-	0	-	0	•
Gorleston	1013·0	+1	-	0	o+	38	92	6	4000	st.Cu	9	-	9	0
Valencia (Cahirciveen)	1017·4	+4	E'S	1	b	36	85	8	2500	St.Cu	1	-	1	0
Roches Point	1016·4	0	NNW	2	b	36	92	5	4000	St.Cu	2	-	2	0
Pembroke (St. Ann's H.)	~~1017·0~~	+3	NE	2	b	35	85	8	*	-	-	A.Cu	3	0
Ross-on-Wye	1014·6	+2	-	0	ffb	33	85	3	1500	St.	1		1	•
Leafield	1014·3	+5	N	3	bc	33	85	6	-	-	0	A.Cu	6	•
Andover	1013·1	+3	NNE	3	b-	35	85	6	4000	St.Cu	1	-	1	½
S. Farnborough	1013·2	+2	NNE	2	mmo	33	85	5	1500	St	8	ACu	10	•
London (Kew Obsy.)	1013·2	+3	N	2	o	37	85	4	4000	St.Cu	10	-	10	•
Croydon	1012·9	+2	NE'N	1	mmo	37	92	4	800	St.	10	-	10	•
Clacton-on-Sea	1012·5	+2	NNE	3	bc	37	97	6	2500	Cu	5	-	5	0
Shoeburyness	1012·5	+2	-	0	bc/r	38	85	8	1500	St.Cu	6	-	6	•
Grain	1013·0	+3	ENE	3	o/r	38	92	6	1500	St.Cu	9	-	9	0
Lympne	1011·9	+3	E	3	o/sh	37	92	6	800	Nb	10	-	10	•
Scilly (St. Mary's)	1013·6	+2	E'N	3	b	39	75	8	4000	Cu	1	-	1	2
Falmouth (Pendennis)	1013·7	+2	NE	3	b	37	65	7	5700	StCu	3	-	3	0
Plymouth (Cattewater)	1013·5	+2	ENE	2	c	36	85	6	5700	St.Cu	8	-	8	0
Portland Bill	1012·2	+2	NE	3	b+	37	75	6	-	-	0	A.Cu	3	0
Southampton (Calshot)	1012·9	+1	N'W	3	mb+	36	85	6	-	-	0	A.Cu	1	0
Dungeness	1011·0	+3	NNE	2	o/r	40	97	7	4000	Nb	9	-	9	3
Guernsey	1012·0	+2	N	2	bc	41	85	7	4000	CuNb	6	-	6	1

106·0

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
		24 hours ended 0900 G.M.T. 24th											
Kew (24 hours ended 0700)	18	omx	ombcm	om	•	•	28	tr	-	0·8	•	•	
Croydon (24 hours ended 0700)	244	oxmfs	obcfm	om	•	•	29	tr	-	0·0	•	•	4
Greenwich (Royal Obsy.)	149	o	oco	o	40	32	30	-	-	0·1	44	94	5
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0·0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	41	32	29	-	-	0·0	44	89	•
Regent's Pk. (Botanic Gdns).	—	•	•	•	•	•	•	•	•	0·3	•	•	•
Camden Square	110	oc	cbco	•	40	31	29	-	-	•	•	94	•
Kensington Palace	80	occo	oc	•	39	31	25	-	-	•	85	85	•
Hampstead Observatory	450	•	•	•	38	29	25	-	-	0·9	?	?	•

ATMOSPHERIC POLLUTION.

Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 23rd

South Kensington

Max.	Time.	Min.	Time.
1·3	21h. 22m	0·3	3h-7h 23rd
1·3	12h. 23rd		

Kew Observatory

Max.	Time.	Min.	Time.
0·5	20h. 22nd	0·3	4h 23rd
0·45	16h. 23rd		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 23rd 14h. 0m. to 24th 6h. 30m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13 30	NIL	0
δ Ursae Minoris	13 30	NIL	0

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1200 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Siren.	Direc.
15h.	C_1C_2	6	-	160°
18h.	C_1C_2	6	-	5°
01h.	C	6	-	125
07h.	C	6	-	166

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

24th to 25th November, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·31 / 7·33	11·40	3·48 / 3·47
Greenwich	7·34 / 7·36	11·41	3·50 / 3·58
Wick	8·22 / 8·24	11·59	3·35 / 3·33
Valencia	8·14 / 8·19	12·28	4·38 / 4·37

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one-half covered).
c generally cloudy (three-quarters covered).
d drizzle, e wet air, g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_o = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). / before (for precipitation).
⊕ = 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; - = "decreasing"; + = "increasing."

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 miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.

0=no swell } Calm or slight sea.
1=mod. swell } Calm or slight sea.
2=heavy swell } Calm or slight sea.
3=no swell } Moderate sea.
4=mod. swell } Moderate sea.
5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

[1] For explanation see Introduction.

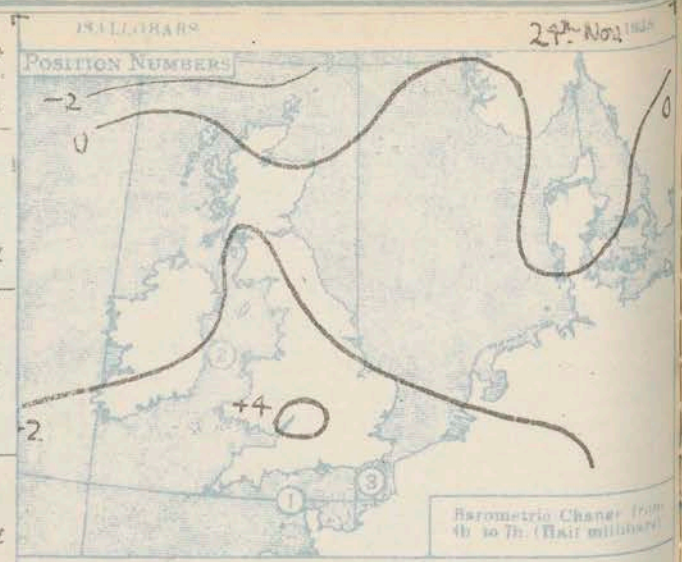
* Information for these columns not usually received.

† The barometric change is expressed in half millibars.

§ For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 23rd	13h.-18h. 23rd	18h. 23rd to 1h. 24th	1h.-7h. 24th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 23rd Hours.
Lerwick	bc	bc	bc	bc	39	32	.	trace	-	17.30	-	4.4
Stornoway	p	p	c	c	38	30	.	3	0.6	-	-	0.3
Wick	ophr	oprs	bbc	bbc	41	28	.	1	-	11.00	-	.
Castlebay	bcrob	b	bbc	cbc	41	34	.	trace	-	-	-	3.6
Nairn	bbosp	bccs	cspg	cg	35	24	.	8	4	11.00	<2100	4.1
Aberdeen	becbc	copsc	cb	bopso	36	30	26	1	Trace	14.30	0330	3.4
Malin Head	coirc	cirbc	bcz	bcz	43	30	.	1.0	-	0900	-	2.3
Renfrew	cmbffx	bbffx	bbffx	bffxm	29	19	9	-	-	-	-	0.0
Edinburgh (Inchkeith)	bczz	b-bc	cbc	bbc	39	32	28	-	-	-	-	3.0
Leuchars	oxcw	cmbcb	bopsbx	brbx	36	26	16	-	Trace	-	<2100	0.1
Eskdalemuir	ocbc	bbc	bbx	bx	35	25	20	-	-	-	-	5.4
Tynemouth	c	oir	cp	bcps	39	30	31	3	0.6	20800	0230	.
Blacksod Point	p	p	bbcx	bbc	42	24	.	2	-	-	-	.
Donaghadee	bc	bc	bc	bc	45	38	.	-	-	-	-	.
Birr Castle	beffo	off	offo	offox	34	22	18	-	-	-	-	2.3
Holyhead	omcbc	bcpr	cbcbx	PR PH	44	36	29	trace	1	17.30	0320	1.4
Liverpool (Bidston)	focm	bm	bm		39	30	25	-	-	-	-	0.9
Chester (Shotwick)	off	ofbff	bfmx	bmmx	35	18	13	-	-	-	-	0.4
Spurn Head	ocv	bcvjp	bbc	bcx	43	33	.	-	-	-	-	6.8
Birmingham (Edgbaston)	bcm	bbcmf	bffx	bffx	38	26	14	-	-	-	-	2.3
Nottingham	b-bcm	b-bcm	bmx	c	40	24	21	-	-	-	-	3.1
Cranwell	bfbm	b-bc	fm	bcfxb	37	24	23	0.1	-	-	-	4.6
Gorleston	orho	odcz	bcbmx	bmxpc	41	30	28	7	0.3	20800	0330	0.0
Valencia (Cahirciveen)	b	b	bx	bx	42	29	20	-	-	-	-	6.9
Roches Point	bbcb	bz	bx3	bx3	39	31	.	-	0.3	-	-	.
Pembroke (St. Ann's H.)	b-bc	b-bc	bcx	bx	45	32	.	.	-	-	-	7.3
Ross-on-Wye	cfbmbcmgomcmbm		bfx	ffx	37	24	19	-	-	-	-	2.4
Leafield	bcffb	bcoc	ffbx	ffox	37	28	24	-	-	-	-	3.3
Andover	cmbm	bcmcm	bmom	omomx	39	30	25	trace	-	-	-	4.6
S. Farnborough	xocbm	bbcmm	ocmx	oxmf	38	24	19	-	trace	-	-	1.3
London (Kew Obsy.)	omx	ombcmm	omc	omc	39	33	28	trace	-	-	-	0.8
Croydon	oxmfs	obcfm	omc	omc	38	33	29	trace	-	11.00	-	0.0
Clacton-on-Sea	ocdcm	cbcm	bcmocrc	c	41	32	29	1	4	20800	<2100	1.0
Sheeburyness	oirbcb	bbccoprbc	bc	bcrm	41	30	29	0.5	trace	09.00	.	0.3
Grain	oproc	corc	bcpbc	bcbmx	40	30	25	0.6	trace	17.30	-	0.4
Lympne	obcm	orshn	ocom	bbc	42	32	24	11	0.4	13.30	<2100	1.8
Scilly (St. Mary's)	bc	bcb	b	bcc	45	34	.	-	-	-	-	6.6
Falmouth (Pendennis)	bc	bc	bc	bc	41	34	.	-	-	-	-	4.1
Plymouth (Cattewater)	bcbx	bbcc	cbc	bcb	41	35	28	-	-	-	-	6.4
Portland Bill	b-bc	b-bc	c	c	42	34	.	-	-	-	-	.
Southampton (Calshot)	bmbm	bcbmm	c	ocm	40	34	30	-	-	-	-	5.4
Dungeness	b-bc	ocr	c	prhm	43	30	.	3	2	15.30	0430	.
Guernsey	omirir	cbc	PR	ciririr	44	34	.	4	14	20800	<2100	.



Observations from Cross Channel Steamers.

Position	Date and Time	Steamship.	Wind. Direc.	Wind. Force	Weather.	Temp. Air	Temp. Sea	Reliability
2	23rd 1000	ANGLIA	E	3	ogrs	39	50	Y
3	24th 0200	ARUNDEL	N	2	co+	39	52	Y

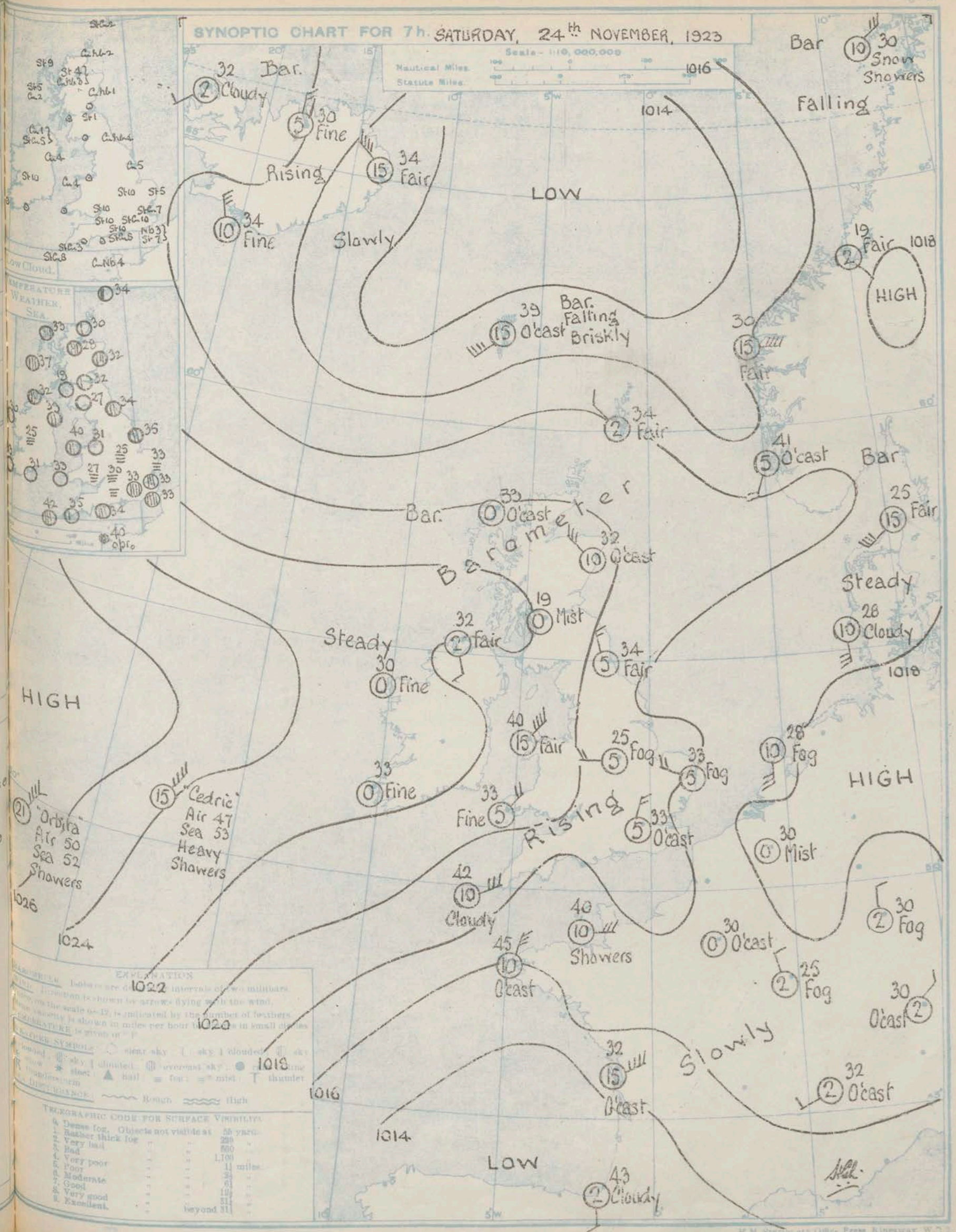
GENERAL INFERENCE.

The anticyclone persists off the west of Ireland and a shallow depression near the Faeroes is moving slowly east or southeast. Weather will continue cold with further local rain or snow in the North and East and fair weather elsewhere, apart from thick fog in places night and morning.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 24th. November, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind mainly N. or N.W., light or moderate; variable cloud, local showers of sleet or snow; fog in places; cold.	Cold spell continuing in South; some chance of temporary incursion of milder air in the North. ------
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Wind mainly northerly, light or moderate; fair apart from local fog; cold.	
8. N.W. England 9. N. Midlands	As 1 - 3.	
10. N.E. England 11. E. Scotland	Wind N.W. to N., light or moderate; variable cloud, local rain or snow; mist or fog in places night and morning; cold.	
12. S.W. Scotland 13. Isle of Man	As 1 - 3.	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	As 10 - 11.	
17. N.W. Ireland 18. N.E. Ireland	As 1 - 3.	
19. S.E. Ireland 20. S.W. Ireland	As 4 - 7.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0930 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page


SYNOPTIC CHART FOR 7h. SATURDAY, 24th NOVEMBER, 1923
Scale - 1:10,000,000
Nautical Miles
Statute Miles
Low Cloud.
Temperature
Weather
Sea
LOW
HIGH
Bar. Rising Slowly
Bar. Falling Briskly
Bar. Falling
Bar. Steady
Bar. Rising Slowly
Bar. Falling Slowly
Barometer
32 Bar. (2) Cloudy
(5) 30 Fine
(15) 34 Fair
(10) 34 Fine
39 (15) O'cast
30 (15) Fair
(2) 34 Fair
41 (5) O'cast
Bar (10) 30 Snow Showers
Falling
19 (2) Fair 1018
HIGH
25 (15) Fair
Steady
28 (10) Cloudy
1018
Bar. 33 (0) O'cast
(10) O'cast
19 (0) Mist
32 (2) Fair
Steady
30 (0) Fine
(5) 34 Fair
40 (15) Fair
25 (5) Fog
33 (5) Fog
28 (10) Fog
HIGH
33 (0) Fine
33 Fine (5)
(5) 33 O'cast
30 (0) Mist
(21) "Orbita" Air 50 Sea 52 Showers
(15) "Cedric" Air 47 Sea 53 Heavy Showers
1026
1024
42 (10) Cloudy
40 (10) Showers
30 (0) O'cast
(2) 30 Fog
(2) 25 Fog
30 O'cast (2)
45 (10) O'cast
1022
1020
1018
1016
1014
32 (15) O'cast
(2) 32 O'cast
LOW
43 (2) Cloudy
EXPLANATION
TELEGRAPHIC CODE FOR SURFACE VISIBILITY
0. Dense fog. Objects not visible at 55 yards
1. Rather thick fog " " 220 "
2. Very bad " " 660 "
3. Bad " " 1,100 "
4. Very poor " " 2 miles
5. Poor " " 3 "
6. Moderate " " 5 "
7. Good " " 10 "
8. Very good " " 20 "
9. Excellent. " beyond 20 "
Rough
High

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Saturday, 24th November 1923. No. 328

Observations at 0100 G.M.T. 24th

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.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1019.1	+1	N	1	bc	34	85	4	4000	Cu	2	Ci St	6
Stornoway	51	1022.1	+2	ENE	1	0	*	*	5	*	*	*	*	*
Wick	81	1020.1	0	WNW	1	0	29	85	8	5400	Cu	2	Ci	9
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	71	1020.2	+2	SSE	1	b	33	94	8	3400	Cu	2	·	2
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1019.5	+3	NW	1	b-	34	95	8	*	-	0	Ci Cu	1
Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	118	1014.2	+1	NW	1	b	33	92	4	4000	Cu	2	·	2
Blacksod Point	10	1021.2	+2	-	0	b-	30	92	8	*	*	*	*	2
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	1018.3	+2	E'N	3	b	39	85	8	4000	Cu	3	-	3
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	26	1016.3	+3	NW	4	bc	39	94	6	-	-	0	A Cu	4
Birmingham (Edgbaston)	525	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	237	1014.4	+3	NW'W	3	ff bc	30	94	2	450	St	6	·	6
Gorleston	13	1015.8	+1	W	1	mmb	33	94	5	-	-	0	·	0
Valencia (Cahirciveen)	30	1020.2	+4	ESE	1	b	34	92	8	*	Cu	1	·	1
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	149	1014.8	+2	NNE	2	b	34	85	8	-	-	0	A St	2
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	295	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	230	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	18	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	214	1016.0	+2	N	2	mmo	36	92	4	800	St	10	-	10
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1015.2	+3	NE'E	2	0	34	92	6	2500	St Cu	10	-	10
Scilly (St. Mary's)	131	1016.6	+1	E'N	2	bc+	39	85	8	4000	Cu	4	-	4
Falmouth (Pendennis)	200	1016.4	+1	NE'N	2	b	34	95	4	5400	Cu	2	-	2
Plymouth (Cattewater)	82	-	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	19	1015.2	+2	NE	4	c+	34	95	6	-	-	0	A Cu	4
Southampton (Calshot)	12	1016.2	+3	N'W	4	0+	36	85	6	4000	St Cu	10	-	10
Dungeness	21	1014.6	+3	SE	3	c-	39	92	4	4000	St Cu	4	-	4
Guernsey	—													

Observations at 0700 G.M.T. 24th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	1015.2	-2	NW	1	bc+	34	85	4	0400	St Cu	2	Ci St	5	0
Stornoway	1020.3	0	-	0	0	33	92	4	800	St	9	·	9	1
Wick	1019.9	-1	W	1	b	30	94	8	2500	Cu Nb	2	Ci St	3	0
Castlebay	1022.0	0	N	2	c+	34	85	8	4000	St	4	·	4	1
Nairn	1021.0	*	-	0	c/sp	28	85	8	1500	St	4	-	4	·
Aberdeen	1020.3	0	NW'W	3	0	32	92	4	2500	Cu Nb	1	A St	9	0
Malin Head	1021.0	+1	SSE	1	bc+	32	94	8	3400	St Cu	6	·	6	0
Renfrew	1022.0	+3	-	0	mmb	19	94	5	-	-	0	Ci	1	·
Edinburgh (Inchkeith)	1021.1	+1	WSW	1	b	32	85	8	*	St	1	Ci	2	0
Leuchars	1020.9	+2	NW	1	b	28	85	8	-	-	0	Ci	1	·
Eskdalemuir	1021.0	+2	NW	2	b	24	95	4	-	-	0	-	0	·
Tynemouth	1019.5	+1	NNW	2	bc/r	34	92	4	500	Cu Nb	4	-	4	2
Blacksod Point	1022.8	0	-	0	b-	39	94	4	*	*	*	*	1	3
Donaghadee	1021.6	+1	NE	1	bc+	39	85	8	800	Cu	4	-	4	2
Birr Castle	1023.6	*	NW	1	ff o	25	94	3	<150	St	10	-	10	*
Holyhead	1020.4	+2	NE	4	bc	40	85	8	4000	Cu	4	-	4	2
Liverpool (Bidston)	1020.3	+2	N'E	1	0	31	92	6	-	-	0	-	0	·
Chester (Shotwick)	1020.3	+2	-	0	b	21	92	6	-	-	0	-	0	·
Spurn Head	1014.4	+1	WNW	3	bc	35	94	4	5400	Cu	5	-	5	1
Birmingham (Edgbaston)	1020.3	+2	NW	2	ff bc	24	92	1	-	-	0	A Cu	5	·
Nottingham	1019.4	+2	W	2	ff o	25	94	1	800	St	10	-	10	·
Cranwell	1018.0	+2	NW'W	3	b	28	94	5	3400	St Cu	1	-	1	0
Gorleston	1018.0	+2	WNW	2	fbc+	33	85	2	800	St	5	-	5	·
Valencia (Cahirciveen)	1022.6	+2	-	0	b	33	85	4	-	-	0	-	0	1
Roches Point	1021.3	+2	NW	2	b	31	94	6	-	-	0	-	0	0
Pembroke (St. Ann's H.)	1020.1	+2	NE	2	b	33	85	4	-	-	0	-	0	·
Ross-on-Wye	1020.2	+2	-	0	fo+	24	94	0	<150	St	10	-	10	·
Leafield	1019.8	+4	NW	2	ff o	30	94	2	<150	St	10	-	10	·
Andover	1018.9	+3	NNE	3	0	31	94	5	2500	St Cu	10	-	10	·
S. Farnborough	1019.5	+2	-	0	ff o	29	94	3	400	St	10	-	10	·
London (Kew Obsy.)	1018.4	+3	NNE	2	0	33	85	6	4000	St Cu	10	-	10	·
Croydon	1019.0	+5	N	2	mmo	33	92	4	800	St	10	-	10	·
Clacton-on-Sea	1014.5	+2	NNE	2	c	33	92	6	2500	St Cu	4	-	4	0
Shoeburyness	1018.0	+3	NW	1	mmb	32	85	5	4000	St Cu	2	A Cu	4	·
Grain	1018.5	+3	SW	2	bc+	32	92	6	1500	St Cu	5	-	3	0
Lympne	1014.4	+2	N	3	0-	35	94	6	2500	St Cu	10	-	10	·
Scilly (St. Mary's)	1018.0	+2	ENE	3	c	42	95	4	4000	St Cu	8	-	8	2
Falmouth (Pendennis)	1018.6	+3	N	3	bf	35	85	4	5400	St Cu	3	-	3	0
Plymouth (Cattewater)	1018.6	+2	N	3	b-	35	85	6	-	-	0	A Cu	1	0
Portland Bill	1014.4	+4	NE	2	c+	34	85	6	-	-	0	A Cu	8	0
Southampton (Calshot)	1018.9	+3	N	3	mmc	34	85	5	4000	St Cu	8	-	8	0
Dungeness	1014.5	+2	N	2	mo+	33	94	4	800	St	10	-	10	3
Guernsey	1016.4	+2	E	3	ofr	40	85	6	4000	Cu Nb	4	A St	10	1

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 23rd Nov.

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 22nd-23rd °F	Temperature. Max. Day. 23rd °F.	Rainfall.† Night 17h.-9h. 22nd-23rd mm.	Rainfall.† Day 9h.-17h. 23rd mm.	Sunshine.	Sunshine. Sunrise to Sunset. 23rd hr.
Montrose	xbcc	bcbx	33	37	—	—		2.8
Berwick-on-Tweed	prghr	PRSH	33	41	6	2		0.2
Llandudno	mc	cbbc	31	42	—	—		0.7
Colwyn Bay	c	c	31	40	—	—		0.7
Rhyl	c	c	29	38	—	—		0.8
Southport	xbcbx	bx	28	39	—	—		5.4
Blackpool	c	bc	28	41	—	—		6.3
Ilkley	xmbcb	bc	25	40	—	—		1.4
Harrogate	cbc	bco	29	37	—	—		3.7
Skegness	bc	bc	34	44	—	—		1.3
Aberystwyth	ooc	b	31	41	—	—		1.5
Bath	mco	cbcbm	26	39	—	—		0.9
Leamington Spa	f	f	25	30	—	—		0.0
Lowestoft	o	ifo	36	41	2	1		0.0
Felixstowe	omr	cm	34	40	8	1		0.1
Southend	mo	o	33	40	—	—		0.1
Ilfracombe	bc	bccd	35	42	—	—		3.2
Bude	xcbc	bcbcc	27	41	—	—		4.7
Torquay	b	c	32	40	—	—		3.5
Weymouth	xbb	b	30	40	—	—		7.1
Bournemouth	b	b	28	40	—	—		7.5
Portsmouth (S'thsea)	bcm	bbc	31	41	—	—		4.7
Littlehampton	bcmbc	bcbcm	31	39	—	—		5.7
Worthing	bc	c	30	40	—	—		2.8
Brighton	xfocb	ybcoo	31	39	—	—		1.9
Eastbourne	cb	cb	32	42	—	—		3.0
Hastings	cbcc	cbcbm	33	44	—	—		4.4
Folkestone	bc	p	35	41	1	4		0.8
Dover	copco	o	37	42	6	3		0.0
Tunbridge Wells	coc	ocof	31	40	0.3	—		1.4
Ramsgate	bbcb	brbcm	37	43	13	2		3.1
Margate	cob	brh	38	44	7	4		3.4
Deal	oro	oroc	35	42	16	0.3		0.0

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22648 Sunday, 25th November 1923.

Stations. (For heights see p.4).	Observations at 1300 G.M.T. 24th: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.	Observations at 1800 G.M.T. 24th: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Res. 0-9
Lerwick	1017.2	-1	SW	1	c+	35	85	7	5400	StCu	2	ASt	8	•	1012.9	-4	S	1	o/h	39	85	6	4000	Nb	7	ASt	10	0
Stornoway	1019.1	-2	WSW	2	bc-	34	92	8	800	St	4	-	4	•	1015.6	-4	WSW	3	c+	38	92	7	800	St	7	-	7	2
Wick	1019.0	-1	WNW	1	bc	34	85	8	2500	CuNb	2	Ci	5	•	1015.8	-3	WSW	2	b	34	85	8	4000	StCu	2	Ci	3	0
Castlebay	1021.3	-1	NE	1	c/sh	41	85	8	2500	Nb	7	-	7	•	1018.7	-2	W	3	c	43	75	8	2500	St	8	-	8	2
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	•	1018.0	*	W	1	bc-	30	85	8	4000	Cu	3	ACu	5	•
Aberdeen	1020.4	0	W	2	b	34	85	7	2500	CuNb	1	Ci	3	3	1019.2	-1	-	0	b	29	85	6	-	-	0	-	0	0
Malin Head	1021.7	0	W	2	cr	39	92	9	4000	Nb	5	CiCu	7	•	1021.0	-1	S	1	crr	34	94	7	4000	Nb	5	ACu	7	0
Renfrew	1022.0	-2	-	0	ffbc	33	85	2	-	-	0	ACu	6	6	1021.5	-1	WSW	2	fb+	25	92	3	-	-	0	ASt	2	•
Edinburgh (Inchkeith)	1021.2	-1	W	2	ffb	35	75	3	•	-	0	CiCu	1	•	1019.0	-2	WSW	2	ffb	34	85	3	•	-	0	-	0	0
Leuchars	1020.6	0	WNW	1	b-	35	75	8	-	-	0	Ci	1	3	1019.5	-1	W	1	b-	28	92	7	-	-	0	ACu	1	•
Eskdalemuir	1022.0	0	-	0	b	31	65	8	-	-	0	CiCu	2	7	1022.1	0	-	0	b-	21	92	7	-	-	0	-	0	•
Tynemouth	1020.6	0	NW	2	bc/sh	36	85	7	800	CuNb	3	Ci	4	•	1020.8	0	NW	1	b	31	92	6	-	-	0	-	0	1
Blacksod Point	1024.0	0	-	0	bc+	42	94	9	•	•	•	•	4	•	1023.3	+1	-	0	bc	34	92	8	•	•	•	•	4	5
Donaghadee	1022.6	+1	WSW	2	mmo	40	85	5	450	St	5	ACu	8	•	1021.8	0	WSW	3	mb+	33	92	4	450	St	3	-	3	2
Birr Castle	1024.6	•	ESE	1	fo+	27	97	2	<150	St	10	-	10	•	1024.6	•	SE	1	fo+	26	97	1	<150	St	10	-	10	•
Holyhead	1022.3	+2	-	0	c/h	43	85	8	4000	Cu	7	-	7	1	1022.6	+1	NW	1	bc-	40	85	8	4000	StCu	3	CiSt	4	•
Liverpool (Bidston)	1021.9	0	N	1	bc+	37	75	5	4000	St	2	CiCu	4	•	1022.2	0	NNW	1	mb-	37	85	5	-	-	0	-	0	2
Chester (Shotwick)	1021.4	+1	WNW	2	b	38	85	6	-	-	0	Ci	1	1	1022.4	0	E	1	b-	28	92	3	-	-	0	-	0	
Spurn Head	1019.5	+1	NW	3	b	40	85	7	5400	CuNb	3	-	3	•	1020.3	+2	WNW	5	b	34	92	6	-	-	0	-	0	2
Birmingham (Edgbaston)	1021.3	+1	NW	2	ffbc	35	75	3	-	-	0	ACu	4	1	1022.5	+1	NW	3	ffbc	32	85	3	2500	Cu	5	-	5	•
Nottingham	1020.5	+1	W	1	ffb	33	85	2	-	-	0	-	0	•	1021.7	+2	W	1	ffb	34	85	3	-	-	0	-	0	•
Cranwell	1021.2	+2	NW'N	3	fo	37	92	6	-	-	0	-	0	1	1021.8	+2	NW'W	3	fo	31	97	5	-	-	0	-	0	•
Gorleston	1019.5	+1	WNW	2	fc-	35	94	2	1500	St	8	-	8	•	1020.4	+1	W	2	ffb	32	94	0	-	-	0	-	0	0
Valencia (Cahireivean)	1024.6	+1	-	0	b	39	85	7	2500	Cu	1	ACu	3	1	1025.0	+1	E'S	2	b	31	85	8	-	-	0	-	0	1
Roches Point	1023.6	+2	N	2	b	34	85	6	-	-	0	CiSt	1	•	1024.2	+1	NNE	1	b	35	85	6	-	-	0	CiSt	1	0
Pembroke (St. Ann's H.)	1022.9	+2	NE	2	b	39	75	7	4000	Cu	1	-	1	•	1022.3	+2	NNE	2	b	36	75	8	-	-	0	ASt	3	1
Ross-on-Wye	1021.4	+1	N	1	mb-	36	65	4	-	-	0	-	0	1	1022.1	+1	-	0	mb+	31	85	4	800	St	1	Ci	2	•
Leafield	1021.8	0	NNW	3	ffo	31	94	3	<150	St	10	-	10	•	1022.1	+1	N'W	2	ffo	29	94	3	<150	St	6	ACu	10	•
Andover	1020.4	+2	N'E	3	o	33	94	5	800	St	10	-	10	1	1021.6	+1	-	0	bff	29	94	4	-	-	0	-	0	•
S. Farnborough	1021.0	+2	NNW	2	ffo	31	94	3	450	St	10	-	10	3	1021.8	+2	-	0	ffo	32	94	3	450	St	10	-	10	•
London (Kew Obsy.)	1021.1	0	WSW	1	o	32	92	4	2500	St	10	-	10	1	1022.0	+1	-	0	fo	32	92	4	2500	St	10	-	10	•
Croydon	1021.1	+1	NW	1	ffo	31	94	3	450	St	10	-	10	1	1022.0	+1	NNW	1	ffo	31	94	2	450	St	10	-	10	•
Cleton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1020.1	+1	NNW	3	ffbc	32	94	3	<150	St	5	-	5	0
Shoeburyness	1020.0	+2	NW	3	mmo	33	85	5	1500	St	10	-	10	•	1021.4	+1	N'E	1	mmo	33	85	5	1500	St	10	-	10	•
Grain	1020.6	+2	W	3	mmo	33	92	5	1500	St	10	-	10	2	1021.6	+2	W	3	mmo	33	92	5	450	St	10	-	10	0
Lympne	1019.1	+1	N	3	c	36	85	5	1500	St	3	ACu	7	1	1020.4	+1	N	3	ffo	31	94	3	<150	St	10	-	10	
Scilly (St. Mary's)	1020.6	+2	NE'E	1	b	46	75	7	4000	Cu	1	-	1	•	1021.6	+1	E'N	2	bc	42	85	7	4000	StCu	4	-	4	2
Falmouth (Pendennis)	1021.1	+2	NNE	3	b-	41	65	8	5700	Cu	1	-	1	•	1021.8	+1	N'E	3	b	39	65	8	5700	StCu	2	-	2	0
Plymouth (Cattewater)	1020.4	0	ENE	1	b-	42	85	7	-	-	0	-	0	0	1022.0	+3	-	0	b	35	97	6	-	-	0	-	0	0
Portland Bill	1020.1	+2	NE	2	b-	39	75	6	-	-	0	-	0	•	1020.8	+2	NE	3	b-	35	75	6	-	-	0	-	0	0
Southampton (Calshot)	1020.8	+1	N'W	4	mbc	34	85	5	5700	StCu	4	-	4	0	1021.6	+1	N'W	3	mo+	32	97	5	800	St	10	-	10	0
Dungeness	1019.0	+2	N	3	b	39	85	6	-	-	0	-	0	•	1020.1	+1	N	2	fo	32	97	3	450	St	10	-	10	2
Guernsey	1022.5	+1	-	0	o/r	39	92	7	4000	Cu	2	ASt	10	•	1020.1	+1	E'N	2	mbc	43	75	6	4000	CuNb	4	-	4	1

London Observations.	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. Day.	Rainfall. Night.	Sunshine to Sunset, hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility.
		24 Hours ended 0900 G.M.T. 25th								Yesterday.	To-day.		
Kew / Croydon } 24 hours ended 0700	18 / 244	om / omf	om / of	o/w / of o/c	* / *	* / *	28 / 28	- / -	- / -	0.0 / 0.0	* / *	* / *	
Greenwich (Royal Obsy.)	149	om	om	om	33	28	28	-	-	0.0	91	100	
City (Bunhill Row)	80	*	*	*	34	*	*	*	*	0.0	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	*	27	31	-	-	0.0	*	*	*
Regent's Pk. (Botanic Gdns).	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square	110	o	of	*	33	27	28	-	-	*	*	100	*
Kensington Palace	80	of	of	*	33	24	23	-	-	*	(At 18h) 100	100	*
Hampstead Observatory	450	*	*	*	*	*	*			0.0	*		*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hs. ended 1800 G.M.T. 24th

South Kensington Max.	Time.	Min.	Time.
-	-	-	-

Kew Observatory Max.	Time.	Min.	Time.
-	-	-	-

Pole Star Record at Greenwich Obsy.

Exposure from 24th ... 17 h. 04 m. to 25th ... 02 h. 32 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	-	-	0
δ Ursae Minoris	-	-	0

Code for state of ground.
6 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain, or melted snow).

Radio Disturbances (Atmospherics) at Croydon.[1]

Time.	Type.	No. per 4 sec.	Strn.	Direc.
13h.	C	5	-	85°
14h.	C	5	-	30°
11h.	C	3	-	NW
07h.	C	6	-	70°

Table showing the Greenwich times of sunrise, noon, and sunset for stations in the United Kingdom.

25th & 26th Nov., 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.33 / 7.34	11.40 / 11.40	3.47 / 3.46
Greenwich	7.36 / 7.37	11.47 / 11.47	3.38 / 3.37
Wick	8.24 / 8.21	11.50 / 11.50	3.33 / 3.31
Valencia	8.19 / 8.20	12.26 / 12.25	4.34 / 4.36

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog. " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_o = slight rain.
rr = continuous rain.

Symbols.

< = { less than (for cloud height), before (for precipitation).
⊕ = 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; - = "decreasing"; + = "increasing."

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 miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

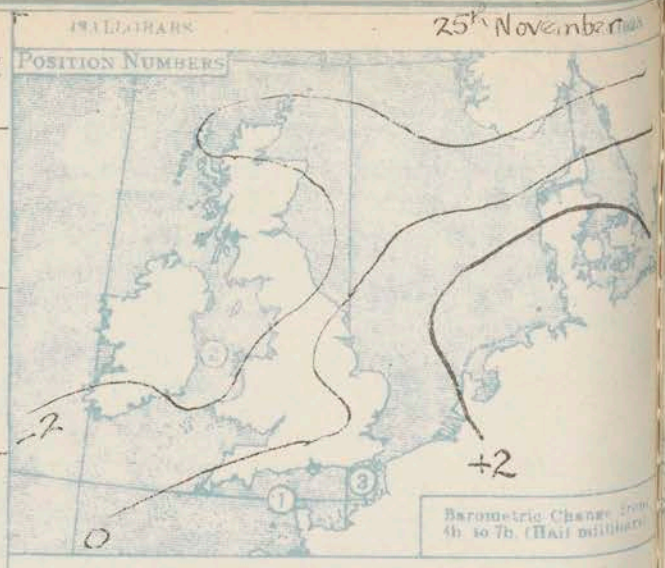
Sea Disturbance.

0 = no swell } Calm or slight sea.
1 = mod. swell
2 = heavy swell
3 = no swell } Moderate sea.
4 = mod. swell
5 = heavy swell
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 24th	13h.-18h. 24th	18h. 24th to 1h. 25th	1h.-7h. 25th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began	SUN. 24th Hours
Lerwick	c	opr	op	cpr	40	34	·	0.3	4	12.30	<2100	0.4
Stornoway	c	p	p	c	39	35	·	0.5	5	–	·	2.5
Wick	bbc	bbc	bccpr	opr	36	32	·	–	1	–	2200	·
Castlebay	crsbc	coC	co	op	43	43	·	–	2	–	·	2.9
Nairn	cbc	bcx	bcxgc	cg	31	30	·	–	·	–	·	1.3
Aberdeen	ccbcb	bbm	bm	bmc	34	28	20	–	·	–	·	5.4
Malin Head	cor	co3	bcco	comd	39	34		1	1	0900	<2100	0.8
Renfrew	bbcffx	bcbfx	bf ofx	ofmox	35	20	12	–	·	–	·	1.8
Edinburgh (Inchkeith)	ff	f-m	bf	mmbb	34	31	29	Trace	Trace	–	·	1.3
Leuchars	bxcbcb	bbx	bbxbc	bbcco	36	24	14	–	·	–	·	4.9
Eskdalemuir	bcxb	bbC	bbx	bxoxm	33	14	11	–	·	–	·	6.4
Tynemouth	p3	mrbbc	bbcm	bbcm	34	29	24	0.2	·	<0800	·	·
Blacksod Point ...	bbc	p	bpc		41	40	·	0.5	0.3	–		·
Donaghadee	of	bf	bc	c	41	28	·	–	–	–	·	·
Birr Castle	o3fx	offx	offfx	bcx	28	22	16	–	–	–	·	0.0
Holyhead	prrh	coC	ofbcb	bbc	45	36	31	0.4	–	1100	·	4.4
Liverpool (Bidston) ...	bbcm	bm	bcfm		39	31	26	–	–	–	·	5.4
Chester (Shotwick) ...	bxbm	bcbmf	bbccf	bccbm	39	24	16	–	–	–	·	4.5
Spurn Head	bbc	bbc	bbxfb	f	40	32		–	–	–	·	4.9
Birmingham (Edgbaston)	bcff	bcff	bfmx	bbx	35	24	13	–	–	–	·	0.0
Nottingham	xf-m	f-mx	fx	x	39	29	21	–	–	–	·	0.0
Cranwell	xmb	bmx	fm	bbc	38	26	20	–	–	–	·	4.1
Corleston	oFF	coFFx	bmx	bmx	36	26	23	–	·	–	·	1.3
Valencia (Cahirciveen)	b	b	bxv	bcxox	42	26	23	0.3	·	–	·	6.4
Roches Point	b3	bbcb3	bx	bx3	39	29	·	–	0.3	–	·	·
Pembroke (St. Ann's H.)	bbC	bbC	bbc	bbc	40	34	·	–	–	–	·	6.9
Ross-on-Wye	xffbm	b3bm	bcmxbfx	bfxcfx	38	19	16	–	–	–	·	3.9
Leafield	ffox	ffbx	bfx	bfx	34	14	9	–	–	–	·	0.0
Andover	om	ombfmx	bff	offx	34	20	16	–	–	–	·	0.1
S. Farnborough ...	ooffx	oomxf	ooffx	ooffx	32	26	18	–	–	–	·	0.0
London (Kew Obsy.) ...	om	om	ofw	ofw	33	28	28	–	–	–	·	0.0
Croydon	omf	of	of	fofe	34	24	28	–	–	–	·	0.0
Clacton-on-Sea ...	cof	ofbcfx	bcofx	ofx	33	26	26	–	–	–	·	0.0
Shoeburyness	bcxmom	om		f	34	26	29	–	–	–	·	0.0
Grain	bcmom	om	omf	oFF	34	29	30	–	–	–	·	0.0
Lympne	cbcm	of	ofm	OFx	38	28	24	Trace	Trace	–	·	4.5
Scilly (St. Mary's) ...	cb	bbc	bcb	b	44	35		–	–	–	·	5.6
Falmouth (Pendennis)	bc	bc	bc	bc	41	32		–	–	–	·	7.4
Plymouth (Cattewater)	bm	b	b	b	43	30	17	–	·	–	·	6.8
Portland Bill	c	bbc	fm	fm	38	34		–	–	–	·	
Southampton (Calshot)	cbcm	bom	offf	bhFF	36	24	28	–	–	–	·	3.9
Dungeness	c	m	fg	xmff	40	30		–	·	–	·	
Guernsey	orrm	bcmbC	bcc	crr	44	36	·	2	Trace	0900	·	·



Observations from Cross Channel Steamers.

Position	Date and Time	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	24th 1005	ANGLIA	N	4	bc	40	50	9
1	" 1200	REINDEER	NE	4	b (r)	44	51	6
3	25th 0200	DIEPPE	N	1		39	51	4

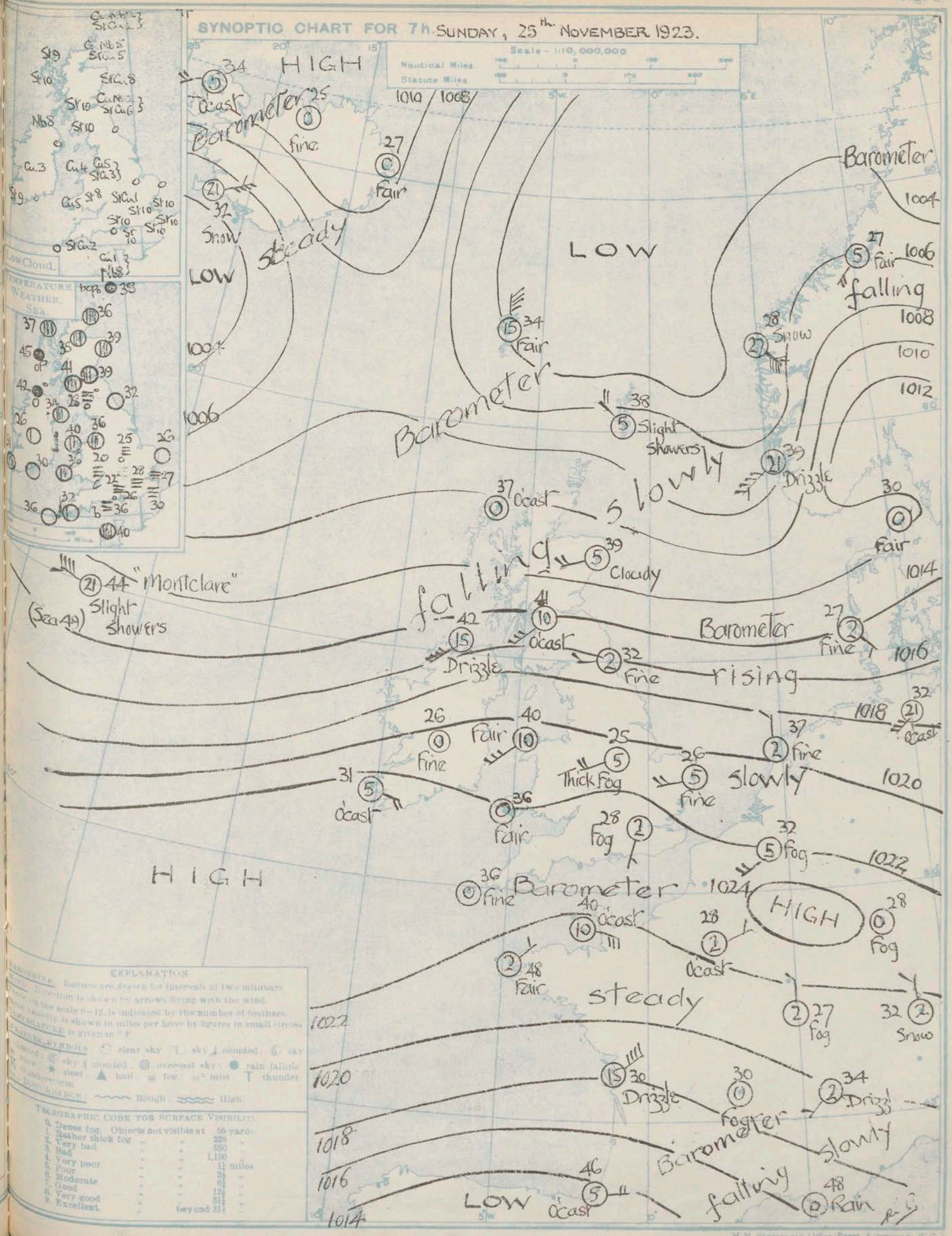
GENERAL INFERENCE.

The ridge of high pressure over Southern England is moving southwards and a depression south of Iceland is spreading east. Winds will become generally westerly. Some showers are likely in the north but in the south weather will be mainly fair with local fog at first.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, November 25th, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Light variable to westerly winds; fair with fog in places at first; cold, temperature rising later.	None issued.
4. W. Midlands 5. S.W. England 6. South Wales	Light variable to westerly winds; mainly fair; visibility moderate or good; temperature rising.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Moderate westerly winds, fresh in places; variable cloud, showers or occasional rain; visibility moderate to good; temperature rising.	
19. S.E. Ireland 20. S.W. Ireland	As 4-6.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.00 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page


SYNOPTIC CHART FOR 7h. SUNDAY, 25th. NOVEMBER 1923.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
HIGH
Barometer
fine
Fair
Snow
LOW
steady
Barometer
falling
Slight Showers
Drizzle
slowly
Cloudy
"Montclare"
(Sea 49)
Slight Showers
Drizzle
Barometer
rising
Fair
Thick Fog
Fog
Fine
slowly
HIGH
Barometer
steady
Drizzle
Fog
Barometer
slowly
LOW
falling
Rain
Low Cloud.
Temperature
Weather
Sea
EXPLANATION
Barometer. Isobars are drawn for intervals of two millibars.
Wind. Direction is shown by arrows flying with the wind.
Force on the scale 0–12 is indicated by the number of feathers.
Wind velocity is shown in miles per hour by figures in small circles.
Temperature is given in °F.
Weather Symbols: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
Barometer Gradient: Rough; High.
Telegraphic Code for Surface Visibility
0. Dense fog. Objects not visible at 55 yards
1. Rather thick fog " " 220 "
2. Very bad " " 550 "
3. Bad " " 1,100 "
4. Very poor " " 1¼ miles
5. Poor " " 2 "
6. Moderate " " 3 "
7. Good " " 6 "
8. Very good " " 12 "
9. Excellent. " beyond 31 "

M.O. Room 9270

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION...Sunday, 25th November.....1923. No. 329...

STATIONS.	Height above M.S.L. in feet	Observations at 0100 G.M.T. 25th: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Observations at 0700 G.M.T. 25th: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	54	1007.6	-3	SW	1	bcpr	40	92	4	4000	CuNb	4	ACu	5	1006.9	-3	NW	2	bcpr	38	85	4	4000	CuNb	4	-	4	1
Stornoway	51	1011.9	-3	W	1	FR	-	-	5	-	-	-		-	1010.2	-1	-	0	0	34	94	4	800	St	9	-	9	0
Wick	81	1010.4	-4	WSW	3	cpr	34	92	8	2500	StCu	8	-	8	1008.8	-1	W	2	ofr	36	94	8	2500	CuNb	10	-	10	0
Castlebay	37	-	-	-	-	-	-	-	-	-	-	-	-	-	1011.6	-3	WNW	4	dFR	45	85	4	1500	St	10	-	10	3
Nairn	82	-	-	-	-	-	-	-	-	-	-	-	-	-	1010.4	-	W	1	ct	35	85	8	1500	St	8	-	8	-
Aberdeen	40	-	-	-	-	-	-	-	-	-	-	-	-	-	1011.5	-2	WSW	2	ct	39	85	8	4000	StCu	8	-	8	0
Malin Head	71	1015.4	-2	SW	2	ct	39	92	8	5700	Nb	2	ACu	8	1014.4	-3	SW	4	od	42	94	4	4000	Nb	8	ACu	9	1
Renfrew	38	-	-	-	-	-	-	-	-	-	-	-	-	-	1014.3	-2	SW	3	o	41	92	6	1500	St	10	-	10	-
Edinburgh (Inchkeith)	100	1016.0	-3	SW	3	mb	33	92	6	-	-	0	-	0	1013.0	-3	SW	5	cfm	34	92	5	-	StCu	8	-	8	3
Leuchars	36	-	-	-	-	-	-	-	-	-	-	-	-	-	1012.1	-3	W	3	ot	34	92	4	-	-	0	A St	9	-
Eskdalemuir	794	-	-	-	-	-	-	-	-	-	-	-	-	-	1016.8	-2	ESE	2	mot	23	94	4	225	St	10	-	10	-
Tynemouth	118	1019.1	-1	W	2	b	30	85	6	-	-	0	-	0	1016.1	-3	W	1	b	32	94	6	-	-	0	-	0	0
Blacksod Point	10	1021.6	-2	W	2	ct	36	92	4	-	-	-	-	8									-	-	-	-		
Donaghadee	35	-	-	-	-	-	-	-	-	-	-	-	-	-	1018.4	-2	W	2	ct	32	85	8	-	-	0	A Cu	4	2
Birr Castle	175	-	-	-	-	-	-	-	-	-	-	-	-	-	1020.6	-	-	0	b	26	94	5	4000	Cu	3	-	3	-
Holyhead	26	1022.0	-1	WSW	3	b	40	85	8	4000	Cu	3	-	3	1020.1	-2	SW'W	3	bc	40	92	8	2500	Cu	4	ACu	6	3
Liverpool (Bidston)	189	-	-	-	-	-	-	-	-	-	-	-	-	-	1019.4	-1	WSW	4	ct	36	85	4	2500	Cu	8	-	8	4
Chester (Shotwick)	16	-	-	-	-	-	-	-	-	-	-	-	-	-	1020.1	-2	E	2	b	26	85	5	4000	StCu	3	-	3	-
Spurn Head	26	1020.9	-1	W	3	fbr	34	85	2	-	-	0	-	0	1019.6	+2	SW	4	c	38	94	6	5700	StCu	4	-	4	2
Birmingham (Edgbaston)	525	-	-	-	-	-	-	-	-	-	-	-	-	-	1021.8	-1	SW	4	bc	43	92	4	2500	StCu	1	Ci	2	-
Nottingham	92	-	-	-	-	-	-	-	-	-	-	-	-	-	1021.0	-1	WSW	2	FFO	25	94	1	450	St	10	-	10	-
Cranwell	237	1021.8	0	WSW	2	mb-	24	94	4	-	-	0	-	0	1022.5	-1	WSW	3	b	26	94	5	-	-	0	-	0	0
Gorleston	13	1021.8	0	WNW	2	b	31	94	6	-	-	0	-	0	1021.6	+1	WS	2	b	26	94	6	-	-	0	-	0	
Valencia (Cahirciveen)	30	1025.0	+4	-	0	b	35	92	9	-	St	2	-	2	1022.2	-2	ESE	2	o	21	85	8	4000	St	9	-	9	1
Roches Point	32	-	-	-	-	-	-	-	-	-	-	-	-	-	1022.0	-1	NW	1	b	30	94	4	-	-	0	-	0	1
Pembroke (St. Ann's H.)	149	1022.4	0	-	0	b	36	85	6	4000	CuNb	1	-	1	1021.4	-2	-	0	bc	36	92	8	4000	Cu	5	-	5	-
Ross-on-Wye	223	-	-	-	-	-	-	-	-	-	-	-	-	-	1022.0	-1	-	0	c-	20	94	3	2500	St	8	-	8	-
Leafield	556	-	-	-	-	-	-	-	-	-	-	-	-	-	1022.4	-1	-	0	f	22	94	0	-	-	-	-	-	
Andover	295	-	-	-	-	-	-	-	-	-	-	-	-	-	1022.4	0	-	0	FFO	22	94	1	<150	St	10	-	10	-
S. Farnborough	230	-	-	-	-	-	-	-	-	-	-	-	-	-	1022.4	0	-	0	ffo	26	94	2	<150	St	10	-	10	-
London (Kew Obsy.)	16	-	-	-	-	-	30	-	-	-	-	-	-	-	1022.8	0	SW	1	ffo	28	94	2	<150	St	10	-	10	-
Croydon	244	1022.4	0	-	0	ffo	31	94	3	500	St	10	-	10	1022.0	0	SW	1	FFO	24	97	1	<150	St	10	-	10	
Clacton-on-Sea	54	-	-	-	-	-	-	-	-	-	-	-	-	-	1021.4	0	NW	2	ffo	24	100	2	<150	St	10	-	10	0
Shoeburyness	11	-	-	-	-	-	-	-	-	-	-	-	-	-	1022.5	0	WS	1	ffo	29	85	2	1500	St	10	-	10	-
Grain	20	-	-	-	-	-	-	-	-	-	-	-	-	-	1022.8	0	W	3	FFO	30	92	1	<150	St	10	-	10	0
Lympne	350	1021.4	+2	N	2	0	31	94	4	<150	St	10	-	10	1022.1	+1	N	2	FFO	28	94	1	<150	St	10	-	10	
Scilly (St. Mary's)	131	1022.0	+1	ENE	1	b	34	85	4	-	-	0	-	0	1022.3	0	-	0	b	36	85	4	-	-	0	-	0	1
Falmouth (Pendennis)	20	1022.5	0	N	1	b	34	85	3	4000	StCu	2	-	2	1022.5	0	NNE	1	b	33	85	4	5700	StCu	2	-	2	0
Plymouth (Cattewater)	82	-	-	-	-	-	-	-	-	-	-	-	-	-	1022.9	+1	NNE	1	b	31	92	6	-	-	0	-	0	0
Portland Bill	19	1022.5	0	NE	2	ft+	34	85	5	-	-	0	-	0	1022.4	0	NE	2	fb-	36	85	5	-	-	0	-	0	0
Southampton (Calshot)	12	1022.0	0	N	2	FO+	30	94	1	<150	St	10	-	10	1022.9	+1	N	1	FO+	28	94	1	<150	St	10	-	10	2
Dungeness	21	1021.8	+1	N	2	0	32	94	6	-	-	0	ASI	10	1022.2	+1	N	2	ffo	30	94	2	<150	St	10	-	10	1
Guernsey															1021.3	0	SE	3	0	40	94	6	2500	Nb	9	-	9	

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 24th November

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 23rd-24th °F.	Temperature. Max. Day. 24th °F.	Rainfall.† Night 17h.-9h. 23rd-24th mm.	Rainfall.† Day 9h.-17h. 24th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 24th hr.
Montrose	xbcb	bsc	30	34	-	-		3.9
Berwick-on-Tweed	bs§b	bc33	32	36	2	-		5.5
Llandudno	cbc	bc	28	44	-	-		3.5
Colwyn Bay	c	c	30	41	-	-		4.2
Rhyl	xcbc	bcc	26	43	-	-		3.3
Southport	xbbcx	bbcmbx	26	33	-	-		5.1
Blackpool	cbc	cm	27	40	-	-		2.7
Ilkley	xmbb	b	28	43	-	-		5.2
Harrogate	b	b	23	33	-	-		6.0
Skegness	xmbc	bcxm	26	44	-	-		4.7
Aberystwyth	cbb	b	26	40	-	-		7.5
Bath	mobcb	bm	28	35	-	-		0.2
Leamington Spa	f	of	21	29	-	-		0.0
Lowestoft	bcbco	omocb	31	35	0.5	-		1.2
Felixstowe	bof	bf	30	33	0.5	-		0.7
Southend	xmo	com	30	34	-	-		0.5
Ilfracombe	bx	bx	33	42	-	-		5.2
Bude	xmbb	mobx	29	42	-	-		5.7
Torquay	b	b	31	41	-	-		6.3
Weymouth	mbcb	bm	31	39	-	-		5.2
Bournemouth	b	b	30	34	-	-		5.6
Portsmouth (S'thsea)	cobc	bc	33	40	-	-		4.0
Littlehampton	bcm	bcm	33	?	-	-		4.2
Worthing	bc	bc	33	39	-	-		2.9
Brighton	bocc	ccoo	31	41	-	-		1.5
Eastbourne	cbc	f	34	44	-	-		5.0
Hastings	ocbcb	bf	34	41	3	-		4.9
Folkestone	xmoc	bc	33	43	-	-		4.4
Dover	omcbc	bcfom	36	38	1	-		5.2
Tunbridge Wells	cmbc	of	30	40	-	-		1.5
Ramsgate	o	obcom	36	38	0.1	-		3.8
Margate	c	o	36	40	-	-		0.1
Deal	o	o	35	41	-	-		0.0

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. § See footnote page 1.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22649 MONDAY, 26th NOVEMBER, 1923.

Observations at 1300 G.M.T. 25th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1006.6	0	NE	2	cbr₀	41	85	7	4000	CuNb	6	ACu	8	•
Stornoway	~~1007.5~~ 1007.5	-3	–	0	c+	42	92	8	800	St	7	–	7	•
Wick	1008.2	0	WSW	2	o	38	97	8	4000	StCu	10	–	10	•
Castlebay	1008.6	-2	W	4	c+	47	85	8	2500	CuNb	5	CiCu	7	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1010.1	-1	SW	1	c	42	85	4	4000	StCu	8	–	8	3
Malin Head	1011.8	-2	SSW	4	o	43	92	8	5700	StCu	6	CiCu	9	•
Renfrew	1012.8	-1	SW	4	o/r	43	92	6	800	St	10	–	10	1
Edinburgh (Inchkeith)	1010.9	-1	SW	4	cbr₀	41	97	7	•	StCu	10	–	10	•
Leuchars	1010.8	-1	WSW	3	o+	42	92	6	1500	St	8	ASt	10	1
Eskdalemuir	1015.1	-2	SW'S	4	o	35	97	6	450	St	10	–	10	7
Tynemouth	1014.3	-3	SW	1	bc+	42	85	5	–	–	0	ACu	5	•
Blacksod Point	1013.9	-2	W'S	4	c/r	45	92	8	•	•	•	•	7	•
Donaghadee	1016.8	-1	W	2	bc-	40	85	8	800	StCu	4	ACu	6	•
Birr Castle	1017.2	*	S	1	b-	38	92	7	4000	C	2	–	2	•
Holyhead	1018.3	-3	SW'S	3	bc	43	85	8	4000	Cu	5	–	5	1
Liverpool (Bidston)	1017.9	-2	SW	3	o	41	75	7	2500	St	9	–	9	•
Chester (Shotwick)	1018.4	-2	WSW	3	c+	42	75	8	4000	StCu	8	–	8	1
Spurn Head	1017.1	-2	SW	4	b	36	92	5	–	–	0	–	0	•
Birmingham (Edgbaston)	1020.1	-2	SSW	3	mb	38	75	6	–	–	0	ACu	2	3
Nottingham	1019.2	-2	WSW	2	fb-	31	97	3	–	–	0	–	0	•
Cranwell	1019.3	-2	WSW	3	b	37	85	6	–	–	0	–	0	1
Gorleston	1020.7	0	WSW	2	b	36	85	6	–	–	0	–	0	•
Valencia (Cahirciveen)	1018.6	-4	SSE	3	c	45	85	9	2500	StCu	3	ACu	8	3
Roches Point	1019.7	-3	SW	2	c+	41	85	8	–	–	0	ACu	7	•
Pembroke (St. Ann's H.)	1020.3	-2	SW	2	b	43	65	8	4000	Cu	2	–	2	•
Ross-on-Wye	1020.2	-2	SSW	2	mb-	37	85	5	–	–	0	–	0	1
Leafield														
Andover	1021.5	-1	–	0	FFo	26	97	1	<150	St	10	–	10	3
S. Farnborough	1021.7	-2	–	0	ffo	29	97	2	<150	St	10	–	10	3
London (Kew Obsy.)	1021.7	-3	SW	1	ffo	29	97	2	450	St	10	–	10	1
Croydon	1022.0	-2	W	1	Fb+	29	97	1	–	–	0	–	0	1
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1021.6	0	N'E	1	ffo	30	85	3	1500	St	10	–	10	•
Grain	1021.6	-2	W	1	FFo	31	97	1	<150	St	10	–	10	1
Lympne	1020.9	-2	N	2	fb-	31	85	3	–	–	0	–	0	6
Scilly (St. Mary's)	1022.1	-1	–	0	b	47	75	7	–	–	0	ACu	1	•
Falmouth (Pendennis)	1021.4	0	–	0	b	44	65	7	5700	StCu	2	–	2	•
Plymouth (Cattewater)	1021.2	-3	–	0	ffb	39	85	2	–	–	0	–	0	0
Portland Bill	1020.6	-2	NE	1	mb-	40	75	5	–	–	0	–	0	•
Southampton (Calshot)	1021.8	-2	NW	1	FFo	29	97	1	<150	St	10	–	10	0
Dungeness	1021.1	-1	N	2	fc-	32	92	3	220	St	8	–	8	•
Guernsey	1021.2	-1	SE	1	mmc	39	92	7	4000	Cu	6	–	6	•

Observations at 1800 G.M.T. 25th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1007.9	+3	ESE	1	b	39	85	7	–	–	0	ASt	3	0
Stornoway	1005.4	-2	–	0	b-	41	97	7	800	St	2	–	2	0
Wick	1007.5	0	W	1	o	36	97	8	4000	StCu	6	Ci.St	10	0
Castlebay	1005.6	-3	W	4	bc+	46	85	7	1500	Nb	4	–	4	4
Nairn	1008.1	•	–	0	bc	37	92	8	1500	St	2	ACu	6	•
Aberdeen	1009.4	-1	W	1	c	37	92	4	4000	StCu	8	–	8	0
Malin Head	1008.7	-2	SSW	5	o	41	97	8	5700	StCu	7	ACu	9	1
Renfrew	1011.7	-1	SW	2	bc-	40	92	5	5700	StCu	4	ASt	6	•
Edinburgh (Inchkeith)	1010.6	-1	SW	3	bc/r	40	92	8	•	St	5	–	5	2
Leuchars	1009.7	-1	SW	2	o	40	92	6	1500	St	6	ASt	9	•
Eskdalemuir	1013.3	-2	SW	3	bc	37	92	7	1500	StCu	6	–	6	•
Tynemouth	1013.2	-1	SW	1	b-	38	85	6	–	–	0	–	0	0
Blacksod Point	1010.5	-1	W	1	o+	45	85	6	•	•	•	•	10	4
Donaghadee	1014.1	-1	SW'W	3	bc-	37	92	8	450	St	4	–	4	3
Birr Castle	1013.9	•	WNW	1	o+	28	85	5	4000	StCu	9	–	9	•
Holyhead	1015.7	-2	SW	3	bc	41	85	8	4000	Cu	5	–	5	1
Liverpool (Bidston)	1016.4	-2	SW	3	b-	37	85	8	–	–	0	–	0	3
Chester (Shotwick)	1016.8	-1	SE	2	b-	35	85	6	4000	StCu	3	–	3	•
Spurn Head	1016.6	-2	SW	4	Fb+	33	92	1	–	–	0	–	0	2
Birmingham (Edgbaston)	1018.4	-2	SSW	3	b/m	32	85	5	2500	St	2	–	2	•
Nottingham	1017.5	-1	WSW	1	mc-	32	97	4	1500	St	4	ACu	8	•
Cranwell	1018.4	-1	SW	3	b-	33	92	6	2500	StCu	3	–	3	•
Gorleston	1019.5	-1	WSW	2	b	32	85	6	–	–	0	–	0	0
Valencia (Cahirciveen)	1014.6	-5	SSW	3	oPR	43	92	7	1500	Nb	9	–	9	1
Roches Point	1015.9	-5	SW	1	b	40	92	8	4000	StCu	2	–	2	0
Pembroke (St. Ann's H.)	1017.2	-1	WSW	3	b	42	75	8	2500	Cu	3	–	3	0
Ross-on-Wye	1018.6	-3	W	1	mmb	30	97	5	–	–	0	Ci	1	•
Leafield	1020.2	-2	WNW	2	fo-	26	97	3	<150	St	6	CiCu	10	•
Andover	1019.9	-1	–	0	FFo	24	97	1	<150	St	10	–	10	✱
S. Farnborough	1020.0	-2	–	0	FFo	27	97	1	<150	St	10	–	10	•
London (Kew Obsy.)	1020.[illegible]	-2	S'W	1	Fo+	29	97	0	<150	St	10	–	10	•
Croydon	1020.4	-1	–	0	~~[illegible]~~ FFo	26	97	~~1~~ 0	<150	St	10	–	10	•
Clacton-on-Sea	1018.7	-2	W	2	Fo	29	97	0	<150	St	10	–	10	0
Shoeburyness	1020.1	-2	W'S	1	fo+	30	85	2	1500	St	10	–	10	•
Grain	1020.2	0	–	0	Fo+	28	97	0	<150	St	10	–	10	0
Lympne	1019.2	-1	N	1	b	31	92	6	–	–	0	–	0	•
Scilly (St. Mary's)	1019.3	-2	–	0	c+	43	75	8	4000	StCu	7	–	7	1
Falmouth (Pendennis)	1018.1	-2	–	0	c+	41	75	7	5700	CuNb	8	–	8	0
Plymouth (Cattewater)	1019.3	-2	NE	1	b	34	85	6	<150	St	1	–	1	0
Portland Bill	1018.9	-2	–	0	b/f	38	65	6	–	–	0	–	0	0
Southampton (Calshot)	1020.3	-2	NW	2	FFo	28	97	0	<150	St	10	–	10	0
Dungeness	1019.2	-1	N	2	mb-	26	97	6	–	–	0	–	0	2
Guernsey	1020.2	-1	SE'E	2	mmbc	38	92	6	4000	CuNb	6	–	6	0

075

LONDON OBSERVATIONS.	Heights above M.S.L. in feet.	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
		24 Hours ended 0000 G.M.T. 26th											
Kew	16	ofx	oFx	ofx	•	•	25	–	–	0.0	•	•	
Croydon (24 hours ended 0700)	244	offb	boff	obfexo	•	•	12	–	–	0.0	•	•	
Greenwich (Royal Obsy.)	149	om	ocm	fx	34	23	21	–	–	0.2	87	100	1
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	29	27	24	–	–	0.0	95	90	•
Regent's Pk. (Botanic Gdns).	—	•	•	•	•	•	•	•	•	0.0	•	•	•
Camden Square	110	f	f	•	31	26	27	–	–	•	•	100	•
Kensington Palace	80	ofx	ofx	•	30	~~27~~ 25	~~25~~ 25	–	–	•	At 18h 100	100	•
Hampstead Observatory	450	•	•	•	27	23	17	–	–	0.0		100	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 25th

South Kensington Max.	Time.	Min.	Time.
–	–	–	–

Kew Observatory Max.	Time.	Min.	Time.
–	–	–	–

POLE STAR RECORD at Greenwich Obsy.

Exposure from 25th 17 h. 00 m. to 26th 06 h. 30 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	1330	0.0	-
δ Ursae Minoris	1330	0.0	-

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C_1C_2	6	-	120°
18h.	C_1C_2	7	-	160°
01h.	C_1C_2	6	-	140°
07h.	C_1C_2	6	-	150°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

26th & 27th Nov., 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.34 / 7.36	11.40 / 11.41	3.46 / 3.45
Greenwich	7.37 / 7.39	11.47 / 11.48	3.57 / 3.56
Wick	8.27 / 8.30	11.59 / 12.0	3.31 / 3.29
Valencia	8.20 / 8.22	12.28 / 12.29	4.36 / 4.35

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = 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: - = "decreasing": + = "increasing."

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.

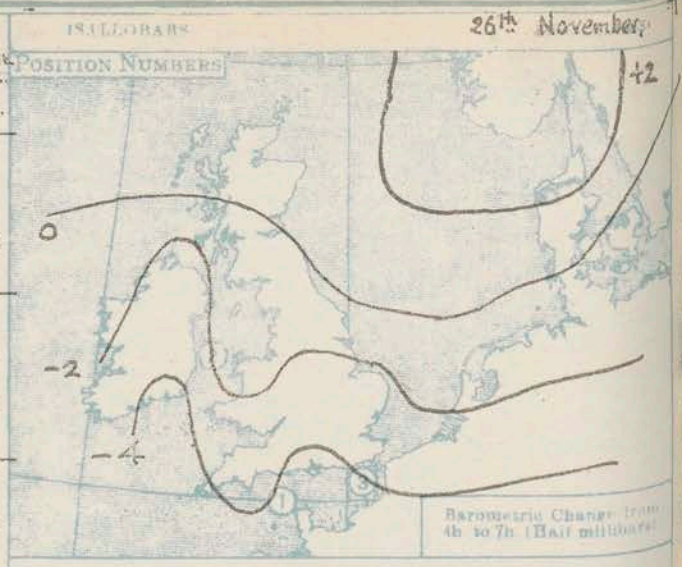
SEA DISTURBANCE.
0=no swell }
1=mod. swell } Calm or slight sea.
2=heavy swell }
3=no swell }
4=mod. swell } Moderate sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for those columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 25th	13h.-18h. 25th	18h. 25th mm. to 1h. 26th	1h.-7h. 26th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 25th Hours.
Lerwick	cpr	bc	bc	bc	41	35	•	0.2	-	<0300	-	1.0
Stornoway	bc	b	c	oo	43	30	•	-	-	-	-	0.5
Wick	oo	oo	opbc	c	38	35	•	-	0.2	-	2200	•
Castlebay	opc	copbc	bcopc	corr	48	40	•	0.3	1	-	-	0.9
Nairn	cg	cg	cgx	cg	38	33	•	-	-	-	-	0.0
Aberdeen	omfm	cmom	cmfx	omfx	42	31	23	-	-	-	-	0.1
Malin Head	mdco	o	cor	coir	43	34	•	0.3	3	<0300	<2100	0.4
Renfrew	od	ambcm	bcmo	omd	44	38	36	-	trace	-	-	0.0
Edinburgh (Inchkeith)	p	oo	c	oo	41	39	37	0.2	-	4300	-	0.0
Leuchars	obcm	omom	omb	bxbc	41	33	23	-	-	-	-	1.4
Eskdalemuir	oxmbc	oidc	bcco	podrmo	37	31	32	1	1	0900	0130	0.0
Tynemouth	bbcm	bbcm	bbcm	bbc	42	31	29	-	-	-	-	•
Blacksod Point ...	rd	p	p	p	47	35	•	0.3	1	-	-	•
Donaghadee	c	bc	c	cp	43	35	•	-	0.1	-	0430	•
Birr Castle	bcco	bc	co	ocpr	38	35	30	-	3	-	0330	4.3
Holyhead	bcbc	bbc	bcbo	ir	44	41	37	-	4	-	0130	4.1
Liverpool (Bidston) ...	bco	bc	c	c	41	33	25	-	-	-	-	1.3
Chester (Shotwick) ...	bbcmc	ccbcb	bmx	bcomx	43	29	25	-	-	-	-	3.1
Spurn Head	bbc	mcbm	fomox	c	37	34	•	-	-	-	-	5.4
Birmingham (Edgbaston)	bbm	bm	bbcox	obx	38	30	27	-	-	-	-	6.2
Nottingham	fmx	fmx	mox	oo	33	32	29	-	-	-	-	0.0
Cranwell	bbc	c	om	oo	37	30	28	-	-	-	-	3.1
Gorleston	bmxbm	c	bmx	bmx	37	27	24	-	-	-	-	4.0
Valencia (Cahirciveen)	cpbco	oop	opoop	coro	45	37	34	3	9	1630	<2100	3.5
Roches Point	bbcc	cb	fof	cf	44	40	•	-	1	-	2200	
Pembroke (St. Ann's H.)	bbc	bbc	bbc	bbc	43	43	•	-	-	-	-	6.0
Ross-on-Wye	fxbm	bm	bmxbx	bmxbcm	38	22	16	0.1	-	-	-	5.7
Leafield	bcfx	fbx	fx	fbx	30	18	10	-	-	-	-	1.8
Andover	offx	offx	offx	ffxbmx	26	15	10	trace	-	-	-	0.0
S. Farnborough ...	oofff	ooff	offxx	offxx	30	15	12	-	-	-	-	0.0
London (Kew Obsy.) ...	ofx	ofx	offx	oxofx	30	24	25	•	-	-	-	0.0
Croydon	offb	boff	obxfcm	bfcxo	31	16	12	-	-	-	-	0.0
Clacton-on-Sea ...	ofx	ofx	ofx	bcmx	31	22	20	-	-	-	-	0.0
Shoeburyness ...	off	offf	offx	offx	31	19	21	-	-	-	-	0.0
Grain	fcx	fbfcx	fx	fx	32	21	23	-	-	-	-	0.0
Lympne	ofx	bfmx	bcom	obcmx	35	28	14	trace	trace	-	-	3.4
Scilly (St. Mary's) ...	bbc	bcc	cbc	bcb	47	39	•	-	-	-	-	6.5
Falmouth (Pendennis)	bc	bc	c	c	44	37	•	-	-	-	-	6.8
Plymouth (Cattewater)	bF	bfmx	bx	bx	41	30	22	-	-	-	-	1.9
Portland Bill	fm	fm	bbc	c	41	34	•	-	-	-	-	•
Southampton (Calshot)	bFF	bFF	FFx	ofomx	30	25	23	-	-	-	-	0.0
Dungeness	xFF	xxFFbc	xmbc	bbc	35	24	•	-	-	-	-	•
Guernsey	cf	cm	bbcm	bm	43	35	•	2	-	0900	-	•



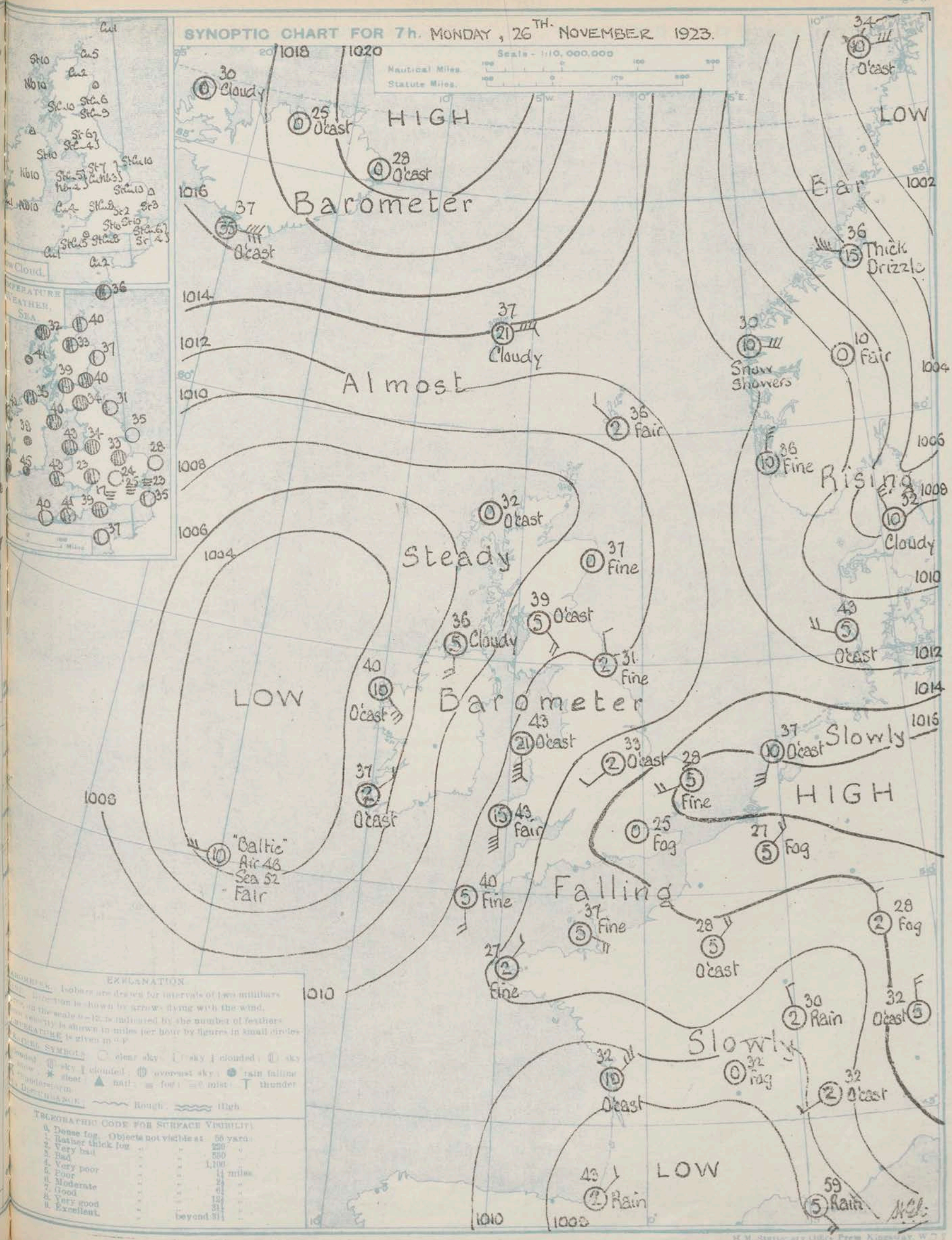
Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. sea.	Visibility
2	25th 1005	Anglia	W	3	b	41	50	
3	26th 0200	Arundel	N	2	bc	38	51	

GENERAL INFERENCE.

The depression recently off the Hebrides is now near the west coast of Ireland and appears to be moving towards the Bay of Biscay. Winds will be southerly for a time in the west of England, with rain near the coast, but over Scotland and Eastern and Central England cold quiet weather is likely to continue, with mist or fog in most places during today and tonight.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 26th November, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind light and indefinite; fair, mist or fog; continuing cold.	Continuing cold with fog locally inland. ------
5. S.W. England 6. South Wales 7. North Wales	Wind southerly, moderate to fresh near the coast, light inland; fair to cloudy, rain locally near the coast; some mist or fog inland; cold, frost inland.	
8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind easterly, light to moderate; cloudy to fair; mist or fog at night; cold, frost at night.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind E. to N.E., freshening; cloudy to fair; visibility moderate to good; cold.	
17. N.W. Ireland 18. N.E. Ireland	As 8 - 13.	
19. S.E. Ireland 20. S.W. Ireland	Wind S. to S.E., backing to E. or N.E., moderate to fresh; cloudy, some rain, improving later; visibility moderate to good; cold.	



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION Monday, 26th November 1923. No. 330.

Observations at 0100 G.M.T. 26th / Observations at 0700 G.M.T. 26th

Stations	Height above M.S.L. in feet	0100 Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Cloud Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	0700 Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Cloud Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	54	10099	+2	-	0	bc	35	85	7	-	-	0	ACu	6	10110	+1	NW	1	bc	36	85	7	4000	Cu	1	ACu	5	0
Stornoway	51	10060	+1	WNW	1	b	•	•	6	•	•	•	•	•	10066	+1	-	0	o	32	97	7	800	St	10	-	10	1
Wick	81	10067	-1	S	3	bc/r	43	92	8	2500	Cu	6	-	6	10071	0	SW	1	bc	40	92	8	4000	Cu	5	Ci	6	0
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•	10065	0	WSW	3	orr	41	92	7	1500	Nb	10	-	10	3
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	10072	•	W	1	c	33	92	8	4000	Cu	2	ACu	7	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•	10091	0	-	0	b	~~37~~ 31 [corrected: 31]	97	4	-	-	0	ASt	3	0
Malin Head	71	10072	-1	SSE	3	orr	39	97	7	4000	Nb	10	-	10	10059	-2	S	2	c⦶	36	97	8	-	-	0	Ci St	8	1
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•	10086	-1	SE	2	o	39	92	8	2500	StCu	10	-	10	•
Edinburgh (Inchkeith)	180	10094	-1	SW	3	o	41	92	8	•	StCu	10	-	10	10094	0	SSE	1	o	40	92	8	•	StCu	9	-	9	0
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•	10089	0	-	0	bc+	34	97	7	4000	StCu	6	-	6	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	10104	-1	S	1	o	34	97	5	1500	St	10	-	10	•
Tynemouth	118	10124	0	SW	1	b-	36	92	7	-	-	0	-	0	10116	0	SW	1	b	31	92	5	1500	St	2	-	2	0
Blacksod Point	10	10070	-2	-	0	o	40	97	5	•	•	•	•	10	10055	-1	SE'S	3	o	40	92	7	•	•	•	•	10	3
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•	10096	-1	-	0	o+	40	92	8	450	St	10	-	10	1
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•	10088	•	S	1	oRR	38	97	4	1500	Nb	10	-	10	•
Holyhead	26	1012.1	-3	S'W	4	o+	43	97	8	2500	Cu	10	-	10	10100	-1	S	5	o/r	43	92	8	1500	StCu	9	-	9	2
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	10118	-1	SE	3	o+	34	92	6	1500	St	10	-	10	3
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	10110	-3	ESE	3	c-	31	92	4	5700	StCu	7	-	7	•
Spurn Head	36	10150	-1	SSW	4	mKo	35	92	4	2500	StCu	10	-	10	10133	+2	SW	3	o	35	92	5	4000	StCu	10	-	10	2
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•	10138	-2	SSW	3	b+	31	85	6	4000	StCu	2	-	2	•
Nottingham	89	•	•	•	•	•	•	•	•	•	•	•	•	•	10134	-2	SW	1	o	33	92	5	2500	StCu	10	-	10	•
Cranwell	237	10160	-2	SW	3	o	34	85	6	2500	StCu	10	-	10	10142	-2	SW	2	o	34	85	6	4000	StCu	10	-	10	0
Gorleston	12	10183	-1	SW	2	b	29	85	6	-	-	0	-	0	10162	-1	WSW	2	b	28	85	5	-	-	0	-	0	
Valencia (Cahirciveen)	30	10092	-5	E	2	o	44	97	9	•	St	10	-	10	10058	-3	NE'E	1	o	37	97	8	4000	Cu	1	ASt	9	1
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•	10068	-4	S	5	or°°	45	92	8	1500	Nb	10	-	10	3
Pembroke (St. Ann's H.)	139	10139	-3	S	4	bc	43	65	8	4000	Cu	5	-	5	10102	-2	S	4	bc	43	85	8	2500	Cu	4	-	4	3
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	10135	-2	-	0	c+	23	97	5	2500	StCu	8	-	8	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•	10143	-3	-	0	mb-	24	92	5	1500	St	2	-	2	•
Andover	205	•	•	•	•	•	•	•	•	•	•	•	•	•	10147	-3	-	0	b	17	97	5	4000	StCu	1	-	1	•
S. Farnborough	236	•	•	•	•	•	•	•	•	•	•	•	•	•	10152	-2	-	0	ffo	17	97	2	220	St	10	-	10	•
London (Kew Obsy.)	18	•	•	•	•	•	25	•	•	•	•	•	•	•	10156	-3	-	0	FFo	25	97	0	<150	St	10	-	10	•
Croydon	244	10184	-2	-	0	Ffb	20	97	1	-	-	0	-	0	10155	-3	-	0	fo-	19	97	3	2500	StCu	9	-	9	•
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•	10151	-3	WNW	2	fb-	23	85	3	2500	St	3	-	3	0
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	10159	-3	-	0	FFo	20	85	1	450	St	10	-	10	0
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•	10153	-3	-	0	FFO	25	9~~2~~7 [corrected: 97]	1	<150	St	10	-	10	•
Lympne	350	10172	-1	SSE	2	o	34	85	6	1500	St	10	-	10	10145	-3	ENE	3	b	29	92	6	2500	CuNb	1	-	1	
Scilly (St. Mary's)	131	1016.1	-2	S'W	2	b-	42	75	8	4000	Cu	2	-	2	10119	-4	S'E	2	b	40	75	8	4000	Cu	1	-	1	1
Falmouth (Pendennis)	290	10156	-4	-	0	o	41	85	7	5700	StCu	10	-	10	10116	-3	SE	2	bc-	41	75	8	5700	StCu	5	-	5	0
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•	10124	-3	ENE	2	b	30	97	8	-	-	0	ACu	1	0
Portland Bill	19	10173	-4	NE	2	b	40	75	6	-	-	0	-	0	10123	-4	NE	2	c+	39	75	7	4000	StCu	8	-	8	0
Southampton (Calshot)	12	10177	-3	NW	3	FFo	28	97	0	<150	St	9	-	9	10139 [corrected: 3]	-5	N	2	o/f	29	97	5	1500	StCu	10	-	10	0
Dungeness	21	10169	-3	SSW	3	o+	38	85	7	4000	Cu	6	CiCu	9	10141	-2	ESE	1	b	35	35	7	4000	Cu	2	-	2	3
Guernsey															10132	-3	ESE	2	b+	37	92	7	4000	Cu	2	-	2	1

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 25th NOVEMBER

Stations	Weather Forenoon	Weather Afternoon	Temperature Min. Night 24-25th °F	Temperature Max. Day 25th °F	Rainfall† Night 17h.-9h. 24-25th mm.	Rainfall† Day 9h.-17h. 25th mm.	Sunshine	Sunshine Sunrise to Sunset 25th hr.
Montrose	xc	co	26	41	-	-		0.7
Berwick-on-Tweed	2xbc	cbccv	26	39	0.1	-		2.1
Llandudno	c	cbb	30	45	3	-		4.0
Colwyn Bay	c	c	30	43	-	-		3.6
Rhyl	xbc	bc	26	45	-	-		4.6
Southport	bccoc	cbcb	28	42	1	-		1.6
Blackpool	cbc	c	28	43	1	-		3.0
Ilkley	xmbc	bc	23	39	-	-		1.6
Harrogate	b	b	27	38	-	-		5.7
Skegness	xbc	bmx	24	35	-	-		2.7
Aberystwyth	cbb	o	28	42	-	-		4.5
Bath	fmb	bmf	22	31	-	-		0.3
Leamington Spa	fb	bm	21	34	-	-		3.0
Lowestoft	bmb	bx	25	35	-	-		4.0
Felixstowe	of	cbcz	25	34	-	-		2.1
Southend	xfb	xfo	26	32	-	-		0.0

Stations	Weather Forenoon	Weather Afternoon	Temperature Min. Night 24-25th °F	Temperature Max. Day 25th °F	Rainfall† Night 17h.-9h. 24-25th mm.	Rainfall† Day 9h.-17h. 25th mm.	Sunshine	Sunshine Sunrise to Sunset 25th hr.
Ilfracombe	bbcc	co	32	43	-	-		3.2
Bude	xbb	bcbcc	24	43	-	-		5.8
Torquay	b	b	28	43	-	-		6.3
Weymouth	xmb	bm	25	39	-	-		3.3
Bournemouth	f	f	23	35	-	-		0.0
Portsmouth (S'thsea)	of	of	27	29	-	-		0.0
Littlehampton	f	f	28	30	-	-		0.0
Worthing	mbc	b	29	33	-	-		1.1
Brighton	cf	cf	28	34	-	-		1.0
Eastbourne	F	Fb	28	33	-	-		1.0
Hastings	ff	fmbf	28	34	trace	-		2.6
Folkestone	bc	bc	28	41	-	-		5.4
Dover	ofcbc	mbcbm	27	40	-	-		4.7
Tunbridge Wells	oF	oF	26	32	-	-		0.0
Ramsgate	sobc	bbcf	29	36	-	-		3.2
Margate	o	obm	30	36	-	-		2.5
Deal	fob	bf	28	34	-	-		3.0

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22650. TUESDAY, 27th NOVEMBER 1923.

Observations at 1300 G.M.T. 26th / Observations at 1800 G.M.T. 26th

STATIONS. (For heights see p.4).	1300: Barom. at M.S.L. mb.	Change in 3 Hours.†	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	1800: Barom. at M.S.L. mb.	Change in 3 Hours.†	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1012·2	+1	SE	1	o	40	75	7	5700	StC	6	ASr	10	•	1012·1	0	SE	1	odo+	39	75	6	4000	Nb	10	-	10	0
Stornoway	1007·0	0	SW	2	orr	37	97	6	450	Sr	10	-	10	•	1006·9	0	-	0	o/r	37	97	6	800	St.	10	-	10	0
Wick	1007·6	0	SSW	2	ov	42	92	9	4000	Cu	2	ASr	9	•	1007·5	0	SSW	1	bc-	39	92	8	-	-	0	Ast	6	0
Castlebay	1006·7	0	NE	2	~~o/r~~ o	43	85	8	1500	Sr	10	-	10	•	1006·3	0	-	0	c	41	85	7	1500	Nb	8	-	8	1
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1007·6	•	-	0	c	34	85	7	1500	St.	8	-	8	•
Aberdeen	1009·0	-1	SW	2	b/f	41	92	6	-	-	0	Ci	2	3	1009·2	+1	SW	2	c-	37	97	6	4000	St.Cu	8	-	8	0
Malin Head	1005·8	0	SE	1	o+	39	92	8	2500	Sr	3	ASr	10	•	1005·2	0	SE	1	ogg	38	92	7	4000	Nb	4	Ast	10	2
Renfrew	1008·5	-1	S	3	o/r	42	92	6	2500	StC	10	-	10	2	1009·1	+1	-	0	o/r	38	92	5	2500	St.Cu	10	-	10	•
Edinburgh (Inchkeith)	1009·0	-1	SSE	1	c	43	85	7	•	-	0	ACu	7	•	1009·2	0	SSE	1	oro	40	92	6	•	St.	10	-	10	0
Leuchars	1008·8	-1	S	2	bc	44	85	7	4000	StC	1	ACu	4	1	1008·7	±0	-	0	o/r	37	97	6	2500	St.Cu	10	-	10	•
Eskdalemuir	1010·3	-1	S	1	o/r	35	97	6	1500	Sr	10	-	10	7	1010·0	0	-	0	mmo	34	97	6	800	St.	10	-	10	•
Tynemouth	1010·8	-1	SW	1	ffbc	38	85	3	800	St	4	ACu	6	•	1010·1	0	SW	1	mb	35	92	4	-	-	0	-	0	0
Blacksod Point	1015·2	-1	SE'E	4	o	40	97	8	•	•	•	•	10	•	1004·6	0	NE'E	3	bc	38	97	7	•	•	•	•	4	1
Donaghadee	1008·9	0	SE	2	c	45	85	8	450	StC	8	-	8	•	1008·3	0	SSW	1	o/r	43	85	8	450	St.	10	-	10	3
Birr Castle	1005·4	*	SE	1	cro	42	97	6	4000	Nb	8	-	8	•	1005·1	•	S	1	o/r	39	97	5	2500	Nb	10	-	10	•
Holyhead	1009·2	-1	SSE	4	bc-	44	92	7	2500	StC	4	-	4	1	1008·6	+1	S'E	54	o	42	85	8	2500	St.Cu	10	-	10	3
Liverpool (Bidston)	1010·0	-3	SE	2	c	38	83	4	2500	Cu	8	-	8	•	1009·6	0	SE	3	mo	35	85	4	2500	St	10	-	10	3
Chester (Shotwick)	1010·4	-2	SE	3	o+	38	85	5	5700	StC	10	-	10	1	1010·0	0	SE	2	om	35	75	4	4000	St.Cu	10	-	10	•
Spurn Head	1012·5	-1	-	0	o	37	85	5	4000	StC	10	-	10	-	1011·3	-0	-	0	o	37	85	5	1500	St.	10	-	10	0
Birmingham (Edgbaston)	1011·9	-2	S	3	mmo	35	75	5	4000	StC	10	-	10	3	1011·2	0	S	1	mo+	35	75	4	2500	St.Cu	10	-	10	•
Nottingham	1011·7	-2	SSE	1	o	37	85	5	2500	StC	10	-	10	-	1011·2	0	E	2	o	34	85	5	1500	St.	9	A.Cu	10	•
Cranwell	1012·5	-2	SSE	1	o	36	92	5	5700	StC	10	-	10	1	1011·8	0	-	0	mmb	30	97	4	4000	St.	3	-	3	•
Gorleston	1014·0	-2	-	0	bc+	38	75	6	•	-	0	ACu	4	-	1012·9	-1	-	0	mo+	35	85	5	2500	St.	10	-	10	0
Valencia (Cahirciveen)	1004·4	-2	NW'N	3	orr	41	92	8	2500	Sr	10	-	10	1	1003·8	0	NNE	1	c-	40	92	8	2500	St.Cu	7	-	7	4
Roches Point	1005·5	-2	SSW	4	orr	43	92	6	1500	Nb	10	-	10	•	1004·3	0	SSE	5	orr	44	85	8	1500	Nb	10	-	10	6
Pembroke (St. Ann's H.)	1010·1	0	SSE	4	c	44	75	7	4000	StC	8	-	8	•	1009·1	0	SSE	4	c	43	75	7	4000	St.Cu	7	-	7	4
Ross-on-Wye	1011·3	-3	SW	2	b	39	55	7	-	-	0	Ci	1	1	1010·5	-1	SSE	1	mmb	33	75	4	1500	St.	2	-	2	•
Leafield	1011·9	-3	S	2	mo	38	65	4	800	Sr	2	-	2	3	1011·1	0	-	0	bc+	33	75	5	1500	St.	4	-	4	•
Andover	1012·0	-2	NE'E	2	o+	30	97	5	2500	StC	9	-	9	3	1011·0	0	ENE	1	b	28	97	5	-	-	0	-	0	*
S. Farnborough	1012·2	-3	-	0	ffb	30	85	3	4000	StC	2	-	2	3	1011·7	+1	-	0	FFo	24	97	1	<150	St.	10	-	10	•
London (Kew Obsy.)	1012·1	-5	-	0	FFo	28	92	1	450	Sr	10	-	10	3	1011·6	0	E	1	FFo	31	92	0	<150	St.	10	-	10	•
Croydon	1012·8	-4	NE	1	ffo	28	97	2	-	-	0	-	0	6	1011·9	0	ENE	1	FFo	27	97	0	<150	St.	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1010·8	-1	NNW	2	ffb	32	97	3	2500	Cu	3	-	3	0
Shoeburyness	1012·3	-4	NW	1	FFo	31	85	1	1500	Sr	10	-	10	•	1011·2	-1	N	2	FFo	28	85	1	800	St.	10	-	10	•
Grain	1012·2	-4	NE	1	mo-	33	92	4	450	Sr	10	-	10	2	1011·5	0	-	0	FFo	29	92	1	<150	St.	10	-	10	0
Lympne	1011·0	-5	E'N	3	b	37	85	7	-	-	0	-	0	2	1010·7	0	NNE	3	Fo+	30	85	1	<150	St.	10	-	10	•
Scilly (St. Mary's)	1009·4	-3	S'E	2	bc+	47	75	8	4000	Cu	3	Ci	5	•	1008·3	-1	SSE	4	bc	44	75	8	4000	Cu	4	-	4	3
Falmouth (Pendennis)	1010·0	-1	S	1	bc+	44	75	8	5700	Cu	5	-	5	•	1008·6	0	SSW	3	o+	43	75	7	5700	St.Cu	10	-	10	0
Plymouth (Cattewater)	1010·2	-3	E	2	c+	41	85	6	4000	StC	7	-	7	5	1009·6	0	-	0	o	37	92	8	4000	St.Cu	10	-	10	0
Portland Bill	1011·1	-4	NE	3	o	42	75	7	?	?	?	?	?	•	1010·7	0	NE	4	mb	40	75	5	-	-	0	-	0	0
Southampton (Calshot)	1010·8	-5	ENE	4	mb-	40	85	5	-	-	0	ACu	1	2	1010·5	0	N	2	b	34	85	6	-	-	0	-	0	0
Dungeness	1011·0	-2	ENE	3	b	40	75	7	-	-	0	-	0	•	1009·3	0	N	2	fb	31	97	3	-	-	0	-	0	3
Guernsey	1010·5	-2	ESE	2	b	40	85	8	4000	Cu	1	-	1	•	1009·7	0	E'N	3	b+	39	75	7	4000	Cu	3	-	3	1

LONDON OBSERVATIONS. (Weather, Temperature: 24 HOURS ENDED 0900 G.M.T. 27th; Sunshine, Humidity 15h.: YESTERDAY; Humidity 9h.: TO-DAY.)

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temp. Max. °F.	Temp. Min.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %	Visibility 9h.
Kew } 24 hours ended 0700	18	ofxc	ofgfox	oFFxx	•		24	-	-	0.0	•	•	
Croydon } 24 hours ended 0700	244	obfx	bofx	oxfe	•	•	24	-	-	0.0	•	•	2
Greenwich (Royal Obsy.)	149	fx	fx	fx	30	25	25	-	-	0.0	98	95	0
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	28	26	24	-	-	0.0	86	91	•
Regent's Pk. (Botanic Gdns).	—	•	•	•	•	•	•	•	•	0.0	•	•	•
Camden Square	110	fxx	f	•	30	25	25	-	-	•	•	?	•
Kensington Palace	80	ofx	ofx	•	30	25	21	-	-	•	At 18h 100	100	•
Hampstead Observatory	450	•	•	•	29	21	15	-	-	0.0		100	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 26th

South Kensington Max.	Time.	Min.	Time.
1·3	17h.25th	0·3	2h.26th
4	13h.26th		

Kew Observatory Max.	Time.	Min.	Time.
0·8	20h.25th	0.4	3h.26th
2·6	16h.26th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 26th 17 h 00 m. to 27th 06 h 30 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13.30	0.0	-
δ Ursae Minoris	13.30	0.0	-

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C,C2	6	-	170°
18h.	C1C2	6	-	150°
01h.	C,C2	6	-	140
07h.	C,C2	6	-	160

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 27th & 28th Nov., 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.36 7.38	11.41 11.41	3.45 3.44
Greenwich	7.39 7.41	11.48 11.48	3.56 3.55
Wick	8.30 8.33	12.0 12.0	3.29 3.27
Valencia	8.22 8.24	12.29 12.29	4.35 4.34

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_o = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = 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; − = "decreasing", + = "increasing."

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.

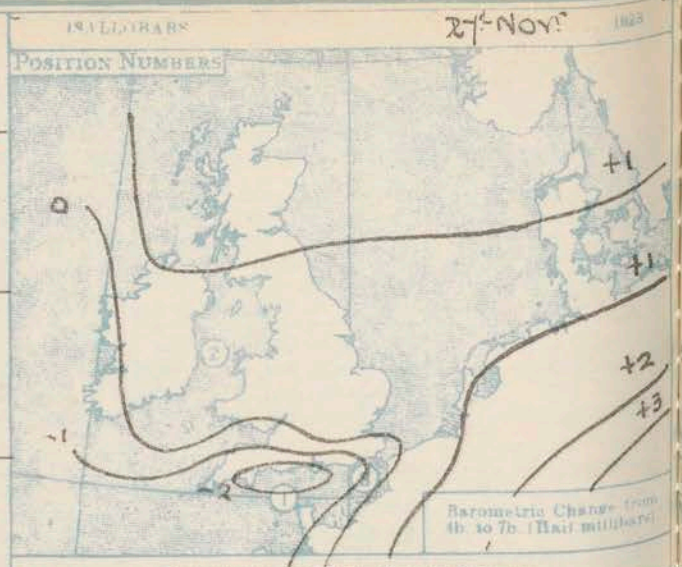
SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea
7=rough sea.
8=very rough sea.
9=mountainous sea

Beaufort No.	statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. † The barometric change is expressed in half-millibars. § For code see page 3

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-13h. 26th	Weather. 13h.-18h. 26th	Weather. 18h. 26th to 1h. 27th	Weather. 1h.-7h. 27th	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass.	Rainfall.† Day. 7h.-18h. mm.	Rainfall.† Night. 18h.-7h. mm.	Rainfall.† Precipitation began.	Rainfall.† Precipitation began	Sun. 26th Hours.
Lerwick	c	od	orh	opr	41	35	•	Trace	7	1730	<2100	0.2
Stornoway	r	r	c	od	38	30	•	7	0.4	-	-	0.5
Wick	oo	oo	bbc	c	43	33	•	-	-	-	-	•
Castlebay	rro	oc	oprr	rroc	44	39	•	3	4	-	-	0.0
Nairn	cm	cgm	cgo	og	39	32	•	-	-	-	-	0.0
Aberdeen	bcmffbfm	bccm	cmx	cmx	41	32	24	-	-	-	-	3.4
Malin Head	coz	or.r	or.r	oo	42	37	•	1	1	1430	<2100	0.0
Renfrew	op.	or.om	off	om.f	43	34	31	Trace	0.5	-	<2100	0.1
Edinburgh (Inchkeith)	omc	im	im.mbmid	im	43	37	34	Trace	0.6	1630	<2100	2.0
Leuchars	omcbc	omp.	ombc	bccmx	44	30	22	0.2	-	L0800	-	1.1
Eskdalemuir	oisiro	oe	oex	oo	35	29	26	0.3	-	0900	-	0.0
Tynemouth	bcff	bf	ff	ff	39	29	27	-	-	-	-	•
Blacksod Point	c	c	c	bbc	45	30	•	-	-	-	-	•
Donaghadee	od	op	c	c	46	37	•	0.4	-	L0800	-	•
Birr Castle	prir.	oIR	oir.	oir	42	36	32	9	3	L0800	<2100	0.0
Holyhead	bcbc	bcco	ocbco	oc	45	36	32	-	-	-	-	3.6
Liverpool (Bidston)	ocm	c	oc	of	39	30	27	-	-	-	-	0.3
Chester (Shotwick)	obcom	bcoom	omcm	bcxf	38	29	26	-	-	-	-	2.9
Spurn Head	oo	oo	c	cbxbc	38	32	•	-	-	-	-	0.0
Birmingham (Edgbaston)	bcom	om	ocm	cbcfx	35	26	15	-	-	-	-	0.2
Nottingham	oo	oo	of	fx	37	16	16	-	-	-	-	0.0
Cranwell	om	oo	bf.b	bbc	37	20	12	0.3	-	1100	-	0.0
Gorleston	bmbcm	cmom	cm	cxbcm	39	32	29	-	-	-	-	4.7
Valencia (Cahirciveen)	oor	qroc	cbcbm	bbc	43	29	25	3	-	1230	-	0.0
Roches Point	orrm	orr	RR	rro	46	42	•	11	22	L0800	<2100	
Pembroke (St. Ann's H.)	bcc	c	c	c	45	39	•	-	-	-	-	2.0
Ross-on-Wye	bcb	bycm	cmxbfx	bffx	41	21	17	-	-	-	-	5.0
Leafield	bcbf	bcfb	fbcx	bcx	38	19	12	-	-	-	-	4.1
Andover	bccom	ombm	bmx	bcmxffx	31	17	10	Trace	-	-	-	2.8
S. Farnborough	ofxbfx	bcoff	offxx	offxx	32	23	15	-	-	-	-	0.7
London (Kew Obsy.)	ofxg	ofgfafx	offx	offx	31	23	24	-	-	-	-	0.0
Croydon	obfx	bofx	oxfe	oxfe	29	24	24	-	-	-	-	0.0
Clacton-on-Sea	bcmofx	ofbcmx	bcmcx	cx	32	31	28	•	-	-	-	0.0
Shoeburyness	ofm	obfx	offx	cmx	31	26	22	Trace	-	-	-	0.0
Crain	ff	ffe	fefoc	ffx	34	21	16	0.1	-	-	-	0.2
Lympne	bmx	bomf	ofcb	bcomx	38	23	10	Trace	trace	-	-	6.1
Scilly (St. Mary's)	bbc	bc	bc	bccd	47	40	•	-	0.2	-	0530	6.1
Falmouth (Pendennis)	bc	bcc	co	co	46	43	•	-	-	-	-	5.5
Plymouth (Cattewater)	bxcm	cxo	obx	box	41	35	28	0.2	-	1330	-	5.7
Portland Bill	c	f-m	f-m	bbc	42	38	•	-	-	-	-	•
Southampton (Calshot)	ophchm obbcm	bmm	bmx	cmx	40	29	24	0.2	-	L0800	-	5.0
Dungeness	b-bc	c	f-m	bcx	40	27	•	-	-	-	-	•
Guernsey	bm	bm	bbcc	cmx	40	33	•	-	-	-	-	



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	26th 1005	Anglia	SSW	4	0	46	50	5
3	27th 0200	Dieppe	NE	1	6	36	50	7

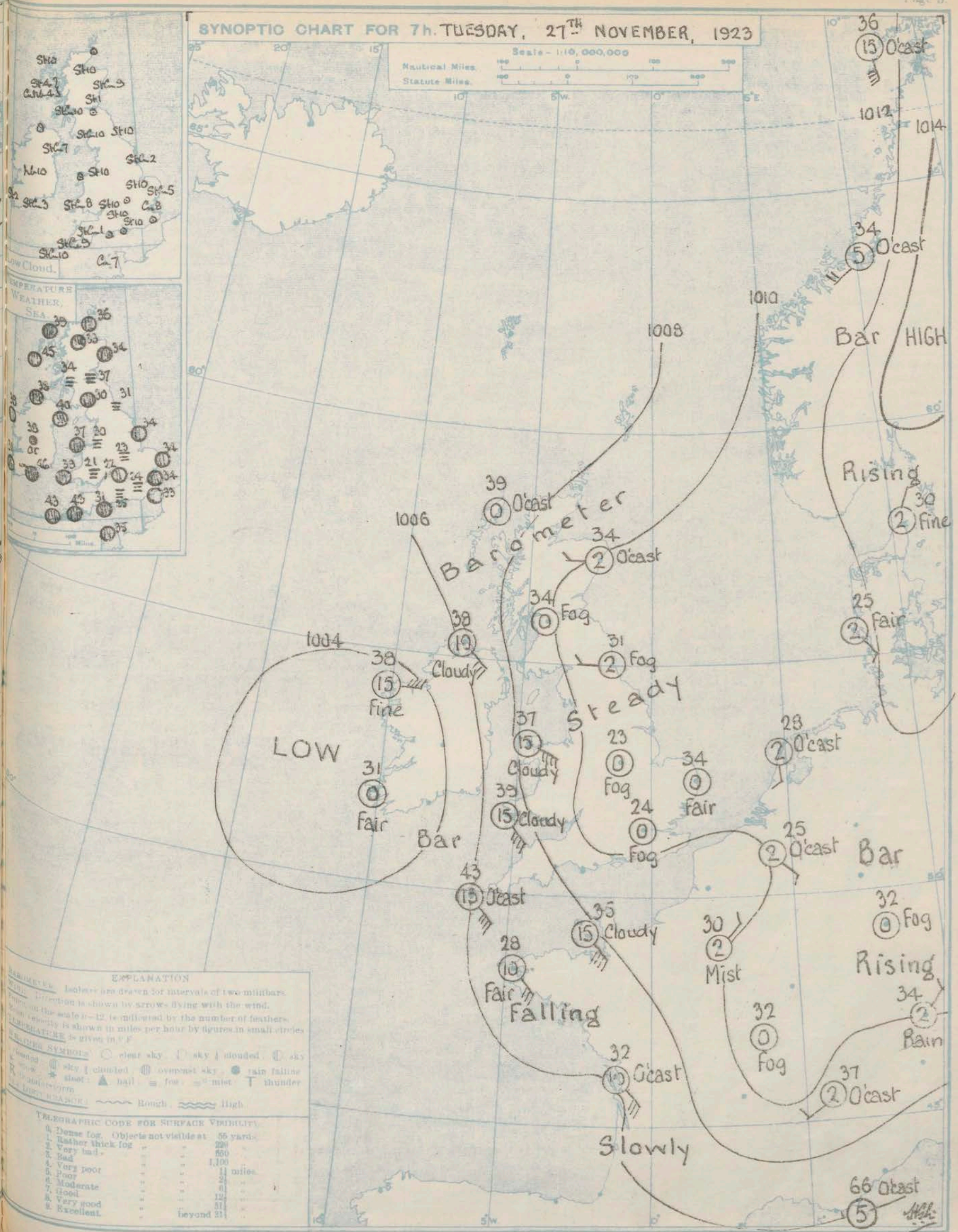
GENERAL INFERENCE.

Pressure continues high to the north and northeast of the British Isles and the weather is likely to continue cold generally. Winds will be light and indefinite over Scotland and most of England with mist or fog and frost at night but in the extreme west of England the wind will be south-easterly, moderate to fresh, with mainly fair weather.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Tuesday, 27th November, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind light and indefinite; fair, mist or fog in most places, especially at night; cold, frost at night.	Continuing cold with mist or fog locally. ---------
5. S.W. England 6. South Wales 7. North Wales	Wind S.E., moderate to fresh near the coast, light inland, cloudy to fair, occasional rain locally at first; some mist inland; cold.	
8. N.W. England 9. N. Midlands 10. N.E. England	As 1 - 4.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind light and indefinite; mainly cloudy, mist or fog; cold, frost at night.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind indefinite to southerly, light to moderate; mainly cloudy; visibility moderate to good; cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind S.E., light to moderate, fresh locally on the coast; mainly fair; some mist or fog inland; cold, slight frost at night.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0920 GMT. C. Simpson, F.R.S., Director.

† For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION...TUESDAY, 27TH NOVEMBER.....1923. No. 331.....

STATIONS.	Height above M.S.L. in feet.	Observations at 0100 G.M.T. 27													Observations at 0700 G.M.T. 27												
		Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0–10	Cloud. Upper Form.	Cloud. Total Amt. 0–10	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0–10	Cloud. Upper Form.	Cloud. Total Amt. 0–10	Sun. 0–9
Lerwick	54	1010.0	-3	SSE	3	or	42	92	5	4000	Nb	10	-	10	1009.8	+2	-	0	obs	41	92	6	4000	CuNb	6	ASr	10	0
Stornoway	61	1007.4	0	-	0	b	•	•	5	•	•	•	•	•	1007.9	+1	-	0	0	39	97	6	450	Sr	10	-	10	0
Wick	81	1018.0	0	SW	1	c⦶	34	97	8	-	-	0	CiSr	7	1008.6	+1	SW	2	c	36	92	8	-	-	0	ACu	7	0
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•	1006.6	+1	SSW	4	c/r	45	75	8	1500	Sr	8	-	8	4
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1009.4	•	-	0	o+	33	85	7	1500	Sr	10	-	10	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•	1010.2	+1	W	1	0	34	97	4	2500	StCu	9	-	9	0
Malin Head	71	1005.3	0	SSE	2	o/r	40	85	8	4000	Nb	3	ASr	10	1005.8	+1	SE	3	c-	38	92	8	-	-	0	ASr	8	1
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•	1009.9	+1	-	0	ffo	34	97	2	4000	StCu	10	-	10	•
Edinburgh (Inchkeith)	190	1009.5	0	S	1	od	39	92	6	•	Sr	3	ACu	10	1009.7	0	E	1	mo+	37	97	6	•	-	0	CiSr	10	0
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•	1009.9	+1	-	0	mmc	32	97	4	4000	Sr	1	CiSr	8	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	1010.5	0	-	0	0	30	92	5	1500	StCu	10	-	10	•
Tynemouth	118	1010.3	0	W	1	fo-	30	97	3	4000	StCu	9	-	9	1010.7	+1	W	1	fo-	31	85	3	800	Sr	10	-	10	•
Blacksod Point	10	1004.3	0	E	4	c+	38	97	7	•	•	•	•	7	1003.7	0	E	4	b	38	97	7	•	•	•	•	2	4
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•	1008.9	0	-	0	c-	40	85	7	1500	StCu	7	-	7	2
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•	1004.4	•	SE	1	or	38	97	5	2500	Nb	10	-	10	•
Holyhead	26	1008.7	0	SE'S	3	o+	38	85	8	2500	StCu	3	ACu	10	1008.7	0	ESE	4	c	37	85	7	-	-	0	CiSr	7	3
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	1009.8	0	ESE	3	fo-	30	92	3	800	Sr	10	-	10	3
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	1010.1	0	SE	2	bc	29	92	2	-	-	0	CiSr	5	•
Spurn Head	26	1011.6	0	SSW	2	c	33	92	6	-	-	0	ACu	7	1011.8	0	-	0	bc+	34	83	5	5700	StCu	2	ACu	4	0
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•	1011.2	0	SSE	2	ffb	26	92	2	-	-	0	ASr	3	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1011.7	0	-	0	FFo	23	92	0	<150	Sr	10	-	10	•
Cranwell	237	1012.0	0	SSW	2	b	26	92	5	-	-	0	-	0	1012.4	0	SE	1	mmb	20	97	4	-	-	0	-	0	0
Gorleston	13	1012.0	0	NNW	1	0	33	85	6	5700	StCu	10	-	10	1011.9	0	-	0	bc-	34	85	6	5700	StCu	3	-	5	0
Valencia (Cahirciveen)	30	1003.8	0	-	0	bc	38	92	9	-	-	0	CiCu	5	1002.5	-1	-	0	bc	31	92	8	4000	Sr	2	ASr	4	1
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•	1003.5	0	SSE	5	0	46	75	8	2500	StCu	3	ASr	10	6
Pembroke (St. Ann's H.)	149	1006.1	0	SE	3	0	44	85	8	2500	StCu	9	-	9	1007.8	0	SE	4	c	39	85	7	4000	StCu	8	-	8	4
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	1010.7	0	-	0	FFo	21	97	1	<150	Sr	10	-	10	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•	1011.1	0	ENE	1	bc⦶	22	97	5	-	-	0	ASr	4	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•	1010.3	0	ENE	2	ffc	23	97	3	-	-	0	ASr	7	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•	1010.6	-1	-	0	FFo	25	97	1	<150	Sr	10	-	10	•
London (Kew Obsy.)	18	•	•	•	•	•	27	•	•	•	•	•	•	•	1010.7	0	-	0	Fo-	24	97	1	<150	Sr	10	-	10	•
Croydon	244	1011.7	0	-	0	FFo	28	97	0	<150	Sr	10	-	10	1011.1	0	-	0	FFo	24	97	1	<150	Sr	10	-	10	•
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•	1010.3	0	NNW	2	c	34	85	6	1500	Cu	8	-	8	0
Sheeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	1010.5	0	WNW	1	mmc	27	75	4	2500	StCu	5	ACu	7	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•	1010.7	-1	-	0	FFo	24	92	1	<150	Sr	10	-	10	0
Lympne	350	1010.3	0	NNE	3	b	26	85	6	-	-	0	-	0	1010.3	0	ESE	3	0	30	85	6	800	Sr	8	Ci	9	•
Scilly (St. Mary's)	131	1007.0	-1	S'E	4	bc+	44	85	8	4000	StCu	5	-	5	1005.9	-1	SE	4	o/r	43	92	7	4000	StCu	10	-	10	4
Falmouth (Pendennis)	200	1007.7	0	SSW	4	o	44	75	8	5700	StCu	10	-	10	1007.1	-1	SSE	5	o	43	65	8	5700	StCu	9	-	9	0
Plymouth (Cattewater)	82	-	•	•	•	•	•	•	•	•	•	•	•	•	1007.6	-2	E	3	0	36	97	6	4000	StCu	1	CiSr	9	0
Portland Bill	19	1008.6	0	NE	3	mmbc	40	75	5	-	-	0	CiSr	4	1008.8	-2	E	4	b-	39	92	6	-	-	0	-	0	3
Southampton (Calshot)	12	1010.4	-1	NE'E	4	b	32	85	4	-	-	0	-	0	1009.6	-2	NE'E	4	o⦶	31	85	6	-	-	0	Ci	10	3
Dungeness	21	1009.6	0	N	3	c/f	27	97	6	2500	CuNb	7	-	7	1009.7	0	E	3	b-	33	92	7	-	-	0	CiCu	3	1
Guernsey															1007.9	0	SE	4	c	35	92	6	4000	Cu	7	-	7	

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 26th.....

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 25-26 °F.	Temperature. Max. Day. 26 °F.	Rainfall.† Night 17h.–9h. 25-26 mm.	Rainfall.† Day 9h.–17h. 26 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 26 hr.
Montrose	cfc	cof	33	40	0.2	-		0.3
Berwick-on-Tweed	femme	pudef	34	38	0.1	0.1		0.2
Llandudno	cbc	cbbc	36	46	-	-		4.4
Colwyn Bay	bc	bc	36	45	-	-		3.3
Rhyl	bcc	c	30	44	-	-		1.3
Southport	ocbc	bcbco	32	38	-	-		0.3
Blackpool	p	oco	33	40	0.4	-		1.0
Ilkley	xmcmo	omgof	27	33	-	-		0.0
Harrogate	cf	cf	27	34	0.1	-		0.0
Skegness	xmco	of	29	36	-	-		0.0
Aberystwyth	occ	b	35	42	-	-		1.3
Bath	b	bbra	19	35	-	-		4.8
Leamington Spa	c	cbo	23	37	-	-		2.6
Lowestoft	b	bco	27	36	-	-		4.3
Felixstowe	obf	bf	21	34	-	-		2.2
Southend	xf	xf	19	30	-	-		0.0
Ilfracombe	ocbc	bcb	38	46	-	-		2.6
Bude	xbcbc	bcbc	32	44	-	-		6.2
Torquay	c	comf	30	42	-	-		0.1
Weymouth	xcc	cbc	24	37	-	-		0.0
Bournemouth	m	m	18	33	-	-		0.0
Portsmouth (S'thsea)	orsfc	bmf	23	40	trace	-		4.1
Littlehampton	bcf	bcm	23	36	0.1	-		5.7
Worthing	bcb	b	24	38	0.3	-		5.6
Brighton	fcbc	c	26	39	-	-		6.5
Eastbourne	bcb	b	25	40	1	-		6.5
Hastings	bfmb	bm	30	39	-	-		6.8
Folkestone	x	bc	30	41	-	-		5.5
Dover	ocbcb	b	28	40	-	-		5.1
Tunbridge Wells	cfb	bcbf	19	37	-	-		5.1
Ramsgate	bcb	b	28	39	-	-		6.6
Margate	bcb	bbc	28	40	-	-		6.5
Deal	b	b	26	38	-	-		6.3

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22651 WEDNESDAY, 28TH NOVEMBER.....1923.

STATIONS. (For heights see p.4).	Observations at 1300 G.M.T. 27 — Barom. at M.S.L. mb.	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.	Observations at 1800 G.M.T. 27 — Barom. at M.S.L. mb.	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-5
Lerwick	1011.6	+3	-	0	bc	40	92	7	5700	StCu	2	CiSt	6	•	1012.9	?	-	0	0	41	92	7	-	-	0	AsC	10	0
Stornoway	1009.4	+2	-	0	0	38	92	7	800	St	9	-	9	•	1010.8	+2	-	0	0	36	97	7	800	St.	10	-	10	0
Wick	1010.5	0	-	0	0⊕	39	92	7	-	-	0	CiSt	10	•	1011.0	+1	SSW	2	c	42	75	8	1500	St	3	A.St	7	0
Castlebay	1008.9	+1	E	4	mmo	46	86	6	1500	Nb	9	-	9	•	1010.2	+2	E	4	mmbc	44	85	6	1500	CuNb	64	-	64	4
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1011.4	•	-	0	0	35	85	7	1500	St.	9	-	9	•
Aberdeen	1011.3	0	W	1	ffo	35	97	3	1500	StCu	10	-	10	3	1012.1	+2	W	1	o/f	34	97	4	2500	St.Cu	10	-	10	0
Malin Head	1007.3	+1	SE	3	0	40	85	8	5700	StCu	9	-	9	•	1008.4	+1	SE	4	b	38	85	7	5700	St.Cu	3	-	3	0
Renfrew	1011.3	+1	E	2	ffo	35	97	2	4150	St	10	-	10	2	1012.4	+2	-	0	FFO	31	97	0	4150	St.	10	-	10	•
Edinburgh (Inchkeith)	1010.8	+1	N	1	mo-	39	86	6	•	-	0	AC	9	•	1011.2	+1	S	1	mmb	36	85	6	•	-	0	-	0	0
Leuchars	1010.8	+1	-	0	o-	34	97	4	4000	StCu	7	ASt	10	3	1011.7	+1	-	0	fb	31	97	3	-	-	0	-	0	3
Eskdalemuir	1011.5	+1	-	0	o-	35	75	6	2500	StCu	8	AC	9	7	1012.9	+2	NW	1	mb-	27	85	6	-	-	0	-	0	•
Tynemouth	1012.2	+1	SSW	1	fbc	38	65	3	-	-	0	AC	6	•	1012.5	0	-	0	fb-	34	75	3	-	-	0	-	0	0
Blacksod Point	1005.1	0	SE	4	c+	40	92	8	•	•	•	•	8	•	1006.8	+1	NNE	4	opc	39	97	5	•	•	•	•	10	3
Donaghadee	1010.0	+1	SE	3	c+	42	75	7	800	Cu	4	CiSt	7	•	1010.2	+1	SE	4	c-	42	65	7	800	St	7	-	7	4
Birr Castle	1005.6	*	SE	1	o-	40	97	6	4000	Nb	9	-	9	•	1006.6	•	E	1	o+	40	92	5	2500	St.Cu	10	-	10	•
Holyhead	1009.1	-1	E'S	3	o⊕	40	75	7	-	-	0	CiSt	10	0	1009.9	+1	E'N	3	c-	36	85	6	-	-	0	CiSt	7	1
Liverpool (Bidston)	1010.5	0	ESE	1	bc+	34	75	4	4000	St	3	Cu	6	•	1010.1	0	E	2	ffo	36	75	3	800	St.	10	-	10	3
Chester (Shotwick)	1011.0	0	SE	2	fbc	34	85	3	-	-	0	CiSt	5	1	1010.5	+1	-	0	c/f	32	85	5	2500	St.Cu	7	-	7	•
Spurn Head	1012.1	0	NNW	3	0	36	92	5	4000	Cu	9	-	9	•	1011.4	-1	ESE	3	b	40	85	7	-	-	0	-	0	0
Birmingham (Edgbaston)	1010.6	-2	ENE	3	ffo	33	92	2	2500	StCu	10	-	10	4	1009.8	-1	NE	2	ffbc	32	85	2	2500	St.Cu	5	-	5	•
Nottingham	1011.2	-1	ESE	2	fo-	29	97	2	800	St	10	-	10	•	1010.4	0	ESE	2	b	29	92	5	-	-	0	-	0	•
Cranwell	1012.3	-2	NE'N	2	o	34	85	6	2500	StCu	5	ACu	9	3	1011.2	0	NNE	2	mbc	29	92	5	2500	St.	4	-	4	•
Gorleston	1012.3	0	ESE	3	b-	42	75	7	4000	Cu	3	-	3	•	1012.3	0	SE'E	4	b	39	75	7	4000	Cu	3	-	3	0
Valencia (Cahirciveen)	1003.7	+2	E	3	or	39	92	7	1500	St	7	ASt	10	1	1004.6	+2	ENE	2	o/r	40	85	8	2500	St	3	ASt	10	4
Roches Point	1004.2	+1	SSE	5	o	46	86	8	2500	StCu	2	ASt	10	•	1005.0	0	ESE	4	bc	42	75	8	4000	St.Cu	5	-	5	6
Pembroke (St. Ann's H.)	1007.6	0	ESE	4	bc	39	86	7	-	-	0	CiSt	6	•	1007.0	0	E	4	bc	35	92	7	2500	St.	4	-	4	4
Rose-on-Wye	1009.8	-2	E'N	2	mc-	31	92	4	-	-	0	CiSt	8	4	1009.1	0	E	2	mmo	31	85	4	1500	St.	10	-	10	•
Leafield	1010.0	-2	E	2	mo-	33	85	5	-	-	0	Ci	9	*	1009.4	-1	NE	3	bc/f	30	97	5	-	-	0	AST	5	•
Andover	1009.2	+2	ENE	3	0	33	97	5	-	-	0	Ci	10	1	1007.9	-1	NE	4	bc	30	85	4	-	-	0	Ci	4	•
S. Farnborough	1010.0	-2	E'S	2	ffc	31	86	2	-	-	0	Ci	8	3	1008.6	-2	E	3	mmo	30	97	4	4150	St.	10	-	10	•
London (Kew Obsy.)	1009.8	-4	N'E	1	fo-	30	92	1	4150	St	10	-	10	3	1008.9	-1	E'S	3	b/f	32	92	5	-	-	0	-	0	•
Croydon	1010.3	-3	ENE	3	c+	36	85	6	-	-	0	Ci	8	3	1009.7	0	SE'E	3	0	29	92	5	1500	St.Cu	8	CiSt	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1010.0	0	ESE	4	c	36	85	6	2500	Cu	8	-	8	1
Shoeburyness	1010.6	0	ESE	3	c/m	38	85	8	2500	Cu	7	-	7	•	1009.8	0	SE	4	bc-	34	85	7	4000	Cu	5	-	5	•
Grain	1010.7	0	ESE	4	b/f	33	85	6	1500	St	2	-	2	2	1009.3	0	ESE	4	o+	32	85	5	1500	St	10	-	10	0
Lympne	1010.4	-2	E'S	3	c-	32	85	6	800	St	7	-	7	6	1009.5	-2	ESE	3	0	31	92	5	450	St	10	-	10	•
Scilly (St. Mary's)	1004.4	-1	SE'E	4	bc	43	86	8	4000	Cu	2	Ci	5	•	1002.7	-1	E'S	5	bc	41	75	8	4000	Cu	5	-	5	4
Falmouth (Pendennis)	1005.9	-2	SSE	4	o	42	75	8	5700	StCu	9	-	9	•	1003.4	-2	E	6	bc-	41	75	8	5700	Cu	5	-	5	0
Plymouth (Cattewater)	1005.8	-3	E	2	o	38	92	6	4000	StCu	6	ASt	10	1	1003.4	-1	E	3	o	38	85	7	4000	St.Cu	9	-	9	0
Portland Bill	1006.5	-4	E	4	c+	42	75	7	4000	Cu	8	-	8	•	1004.6	-2	E'S	5	o+	41	65	7	4000	St.Cu	10	-	10	3
Southampton (Calshot)	1008.3	-4	NE'N	4	mmo	36	85	5	2500	StCu	10	-	10	2	1006.8	-1	NE'E	5	mo	35	85	6	2500	St.Cu	10	-	10	0
Dungeness	1010.1	-1	ESE	3	bc+	34	92	7	4000	Cu	6	-	6	•	1008.7	-1	ESE	4	o	34	92	7	-	-	0	AST	10	4
Guernsey	1006.5	-4	E'S	3	o	36	92	7	2500	CuNb	7	CiSt	9	•	1004.0	-3	SE	6	mbc	37	97	6	2500	CuNb	5	-	5	4

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T. % To-day.	Humidity. 9h. G.M.T. % To-day.	Visibility.
		24 HOURS ENDED 0900 G.M.T. 28											
Kew } 24 hours ended 0700	18	ofx	ofxfab	xomom	•	•	27	tra	-	0.0	•	•	
Croydon } 24 hours ended 0700	244	oxfcm	cmof	omx	•	•	29	tra	-	2.5	•	•	
Greenwich (Royal Obsy.)	149	fc	co	o	36	27	27	-	-	0.3	89	86	4
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	35	27	24	-	3	0.0	95	79	•
Regent's Pk. (Botanic Gdns).	—	•	•	•	•	•	•	•	•	0.0	•	•	•
Camden Square	110	cxf	fco	•	36	27	26	-	-	•	•	89	•
Kensington Palace	80	omx	ox	•	36	25	27	-	-	•	At 18h 75	82	•
Hampstead Observatory	450	•	•	•	34	27	28	-	-	0.0		98	•

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 27

South Kensington Max.	Time.	Min.	Time.
2	18h. 26m.	0.6	6h. 27m.
5	13h. 27m.		

Kew Observatory Max.	Time.	Min.	Time.
-	-	-	-

POLE STAR RECORD at Greenwich Obsy.

Exposure from 27d. 17h. 00m. to 28d. 06h. 30m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13.30	0.19	2
δ Ursæ Minoris	13.30	0.0	-

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	CC_2	3	-	175°
18h.	C	5	-	100°
01h.	C	5	-	90°
07h.	C	5	-	130°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

28th day of Nov., 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.38	11.41	3.44
	7.39	11.41	3.43
Greenwich	7.41	11.48	3.55
	7.42	11.48	3.54
Wick	8.33	12.0	3.27
	8.35	12.0	3.26
Valencia	8.24	12.29	4.33
	8.25	12.29	4.33

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain. rr = continuous rain.

SYMBOLS.
<= { less than (for cloud height). before (for precipitation).
⊕ = 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; - = "decreasing", + = "increasing."

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 miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

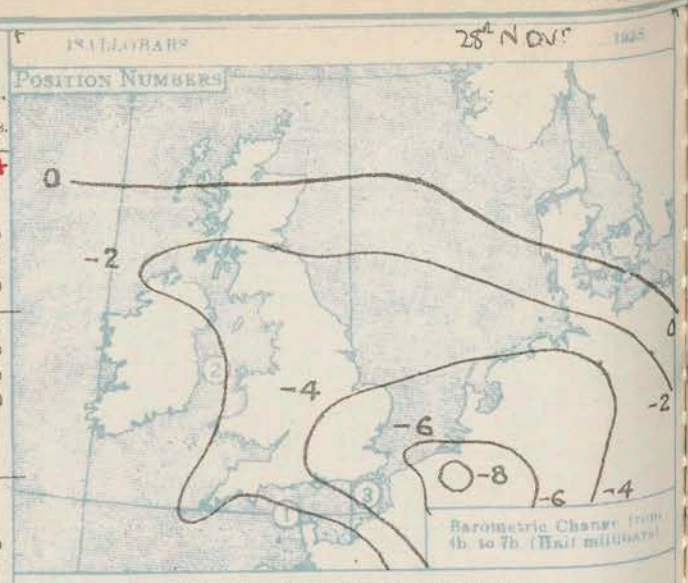
SEA DISTURBANCE.

0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

[1] For explanation see Introduction.
* Information for these columns not usually received.
† The barometric change is expressed in half millibars.
§ For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 27th	13h.-18h. 27th	18h. 27th to 1h. 28th	1h.-7h. 28th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 27th Hours.
Lerwick	bc	0	omr	opf	42	38	.	Tr	3	?	?	0.4
Stornoway	oo	oo	c	r-d	42	34	.	-	6	-	-	0.0
Wick	oo	oo	oo	oo	42	39	.	-	-	-	-	.
Castlebay	comv	ombcm	bcmb	cbcf	46	37	.	-	-	-	-	0.0
Nairn	ogcm	cmg	cmg	cmg	37	28	.	-	-	-	-	0.0
Aberdeen	cmxbcfof	offm	ombcf	oirsc	35	30	26	-	3	-	0430	0.0
Malin Head	cov	coz	xbccoz	xcoz	41	30	.	-	-	-	-	0.0
Renfrew	oFF	oFFx	oFF	offmx	39	25	21	-	-	-	-	0.0
Edinburgh (Inchkeith)	mm	mbc	im	ssso	40	34	27	0.1	trace	L0800	0130	0.0
Leuchars	ofxor	ombf	bfx	bfobsc	35	24	14	-	2	-	0530	0.0
Eskdalemuir	oopso	obm	bmbc	om	35	25	23	trace	-	0900	-	0.1
Tynemouth	FF	bcFF	ffirhm	ifRHm	38	32	28	-	11	-	L2100	.
Blacksod Point	c	p	r-d	r-d	44	35	.	?	0.1	1230	-	.
Donaghadee	c	bo	o	o	43	40	.	-	-	-	-	.
Birr Castle	primc	oo	co	bcx	41	25	19	0.3	-	L0800	-	0.0
Holyhead	~~m~~co	oc	cb	bm	40	34	32	-	-	-	-	2.5
Liverpool (Bidston)	fobbcm	of	of		36	30	26	-	-	-	-	1.2
Chester (Shotwick)	bcxf	bcffp	cbcxmf	bcxoof	34	26	16	trace	-	1730	-	0.0
Spurn Head	oo	c	c	c	42	39	.	-	-	-	-	0.3
Birmingham (Edgbaston)	of	obcff	bcofm	omm	33	29	27	-	-	-	-	0.0
Nottingham	Fpso	om	bco	oo	32	28	23	trace	-	1330	-	0.0
Cranwell	omv	oo	oo	oprs	33	27	17	0.1	trace	1100	0630	0.2
Gorleston	bc	bc	cgogu	og	42	38	34	-	-	-	-	6.2
Valencia (Cahirciveen)	bcoir	oir	cbc	bccmx	40	31	28	6	-	1100	-	0.0
Roches Point	rso	ocbc	obc	bcbx	46	31	.	0.6	trace	0900	-	.
Pembroke (St. Ann's H.)	c	b.bc	bbc	c	40	31	.	-	-	-	-	0.0
Ross-on-Wye	Fxbfcm	Cmom	gom	gom	32	29	23	.	-	-	-	1.8
Leafield	bcxf	cofx	co	co	33	30	28	.	-	-	-	0.0
Andover	cffxom	omccmx	cmxom	om	33	30	25	trace	-	-	-	3.1
S. Farnborough	offxx	offxx	offxx	ofxomx	32	29	29	-	-	-	-	0.8
London (Kew Obsy.)	ofx	ofxcfxo	bmxomx	omom	33	31	27	trace	-	-	-	0.0
Croydon	oxfcm	cmof	omx	omx	36	30	29	trace	-	-	-	2.5
Clacton-on-Sea	cbc	bccm	com	omo	41	36	34	-	-	-	-	4.8
Shoeburyness	cmxc	cbc	bcc	oc	39	32	32	trace	-	-	-	4.1
Grain	fxfmb	bcmo	om	om	35	31	31	-	-	-	-	2.6
Lympne	omx	omx	omx	omx	33	30	30	trace	trace	-	-	2.6
Scilly (St. Mary's)	ocxcq	bc	bc	co	44	40	.	-	-	-	-	3.9
Falmouth (Pendennis)	co	cobc	bcco	cor	44	36	.	-	02	-	0230	1.2
Plymouth (Cattewater)	oxdr	obco	oo	oo	40	36	31	0.4	-	0900	-	0.0
Portland Bill	c	c	f-m	f-m	42	33	.	-	-	-	-	.
Southampton (Calshot)	comm	omom	oo	oo	37	33	33	-	-	-	-	2.9
Dungeness	b.bc	c	c	oo	37	32	.	-	-	-	-	.
Guernsey	cm	cbcm	bbccom	om	40	34	.	-	-	-	-	.



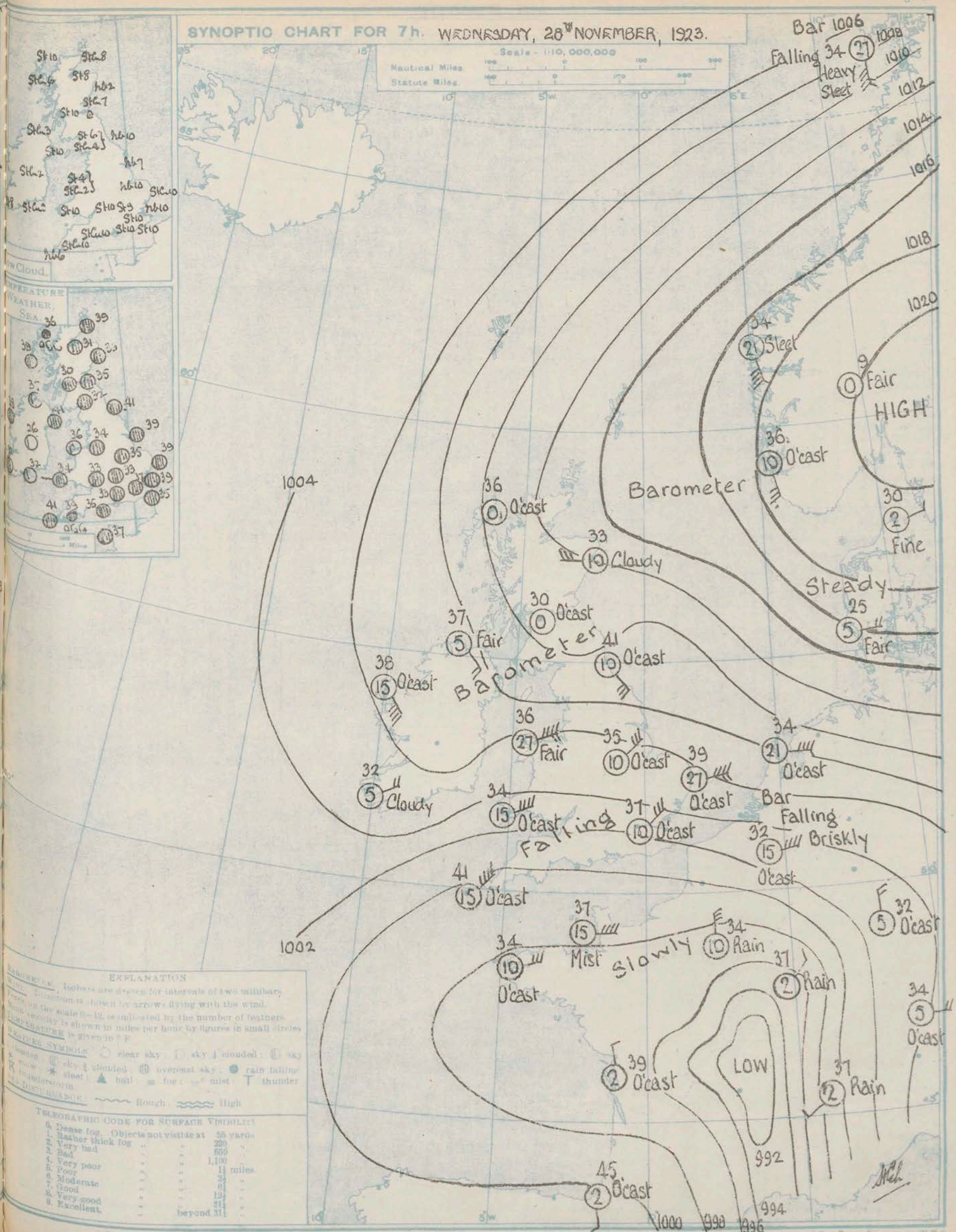
Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	27th 1005	Anglia	SE	5	by	43	50	9
1	27th 1200	Reindeer	ESE	4	bs.	43	51	6
3	28th 0200	Arundel	ESE	5	0	38	51	6

GENERAL INFERENCE.

The barometer is falling briskly over Belgium and the easterly winds over England are likely to become stronger and reach gale force on the east coast and in the Channel. The weather will be cold and unsettled generally with some rain or sleet in most districts.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 28th November, 1923.	Further Outlook.
1. S.E. England 2. E. England	Wind N.E., fresh to strong; a gale on the coast; dull, some rain or sleet; visibility moderate; cold.	Continuing cold.
3. E. Midlands 4. W. Midlands	Wind N.E., fresh to strong; dull, some rain or sleet; visibility moderate; cold.	-------
5. S.W. England	Wind E. to N.E., fresh to strong, a gale locally on the coast; dull, some rain or sleet; visibility moderate; cold.	North Cone hoisted 0830 28-11-23.
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind E. to N.E., fresh to strong; mainly dull, some rain or sleet; visibility moderate; cold.	------
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Moderate to fresh E. winds; fair to cloudy, sleet or snow in places; visibility moderate; cold, frost locally at night.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Light to moderate S.E. wind; fair to cloudy, sleet or snow in places; visibility moderate; cold.	
19. S.E. Ireland 20. S.W. Ireland	Moderate E. wind; varying amount of cloud; visibility moderate; cold, frost at night.	



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Wednesday, 28th November 1923. No. 332

Observations at 0100 G.M.T. 28

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.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1013.4	+1	NE	1	o/+	40	85	7	5700	StCu	5	a.St	10
Stornoway	51	1011.4	0	-	0	b	•	•	5	•	•	•	•	•
Wick	81	1011.2	0	SSW	3	o⦶	42	85	8	5700	StCu	4	Ci.St	10
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1009.3	0	SE	2	o+	34	97	7	5700	StCu	6	ACu	9
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	180	1012.7	0	ENE	1	imo	35	85	6	•	St	10	-	10
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	178	1011.9	-1	W	1	oh(c)+	33	97	5	800	Nb	10	-	10
Blacksod Point ...	10	1007.6	+1	SE	5	o+	40	85	5	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1007.2	-1	ENE	4	b-	37	92	6	-	-	0	-	0
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1010.3	0	SE	4	o⦶	40	85	7	-	-	0	Ci.St	10
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1010.4	-1	NE'E	2	0	31	97	5	2500	St	10	-	10
Gorleston	13	1010.7	-1	ESE	5	o+	38	92	7	4000	CuNb	10	-	10
Valencia (Cahirciveen)	30	1006.1	0	E	5	o	38	92	8	•	St	10	-	10
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1006.1	-1	ENE	4	b	33	85	7	-	-	0	-	0
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	566	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ..	18	•	•	•	•	•	39	•	•	•	•	•	•	•
Croydon	244	1007.0	-3	E'S	4	0	33	92	6	1500	St	10	-	10
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1008.1	-4	E'S	4	0	32	92	6	800	St	10	-	10
Scilly (St. Mary's) ...	131	1001.7	-1	E	4	c+	41	85	7	4000	StCu	7	-	7
Falmouth (Pendennis)	200	1002.4	-1	ENE	3	o+	38	85	7	5700	StCu	10	-	10
Plymouth (Cattewater)	82	-	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1003.1	-4	ENE	6	mo+	38	75	5	450	St	10	-	10
Southampton (Calshot)	12	1003.9	-3	NE'E	5	o	36	92	7	2500	StCu	10	-	10
Dungeness	21	1006.1	-2	E	4	o+	33	92	7	-	-	0	A.St	9
Guernsey														

Observations at 0700 G.M.T. 28

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea 0-9
Lerwick	1013.2	0	S	1	0	40	85	6	-	~~a.St~~	~~10~~	a.St	10	0
Stornoway	1010.1	0	-	0	o⦶	37	97	6	450	St	10	-	10	0
Wick	1011.7	0	SW	1	o	39	85	8	5700	StCu	8	Ci.St	10	0
Castlebay	1009.1	0	E	2	mmbc	38	75	6	2500	StCu	6	-	6	2
Nairn	1011.2	•	-	0	c	31	85	7	1500	St	8	-	8	•
Aberdeen	1012.0	-1	W	3	c⦶	33	97	5	1500	Nb	2	Ci.St	8	0
Malin Head	1007.2	-2	SE	2	c	37	85	8	5700	StCu	3	ACu	7	0
Renfrew	1010.3	-3	-	0	mmo	30	97	4	2500	St	10	-	10	•
Edinburgh (Inchkeith)	1009.2	-3	NNE	3	c-	35	97	7	•	-	0	ACu	7	0
Leuchars	1010.0	-1	-	0	c/s	33	97	6	4000	StCu	7	-	7	•
Eskdalemuir	1009.4	-2	NNE	2	o	32	92	6	1500	St	10	-	10	•
Tynemouth	1008.7	-2	SE	3	o/s(h)	41	85	6	800	Nb	10	-	10	•
Blacksod Point ...	1006.1	-1	SE	4	o	38	85	7	•	•	•	•	10	4
Donaghadee	1008.9	-1	SE	3	o+	41	75	8	450	St	10	-	10	4
Birr Castle	1007.2	•	E	1	b-	36	97	5	2500	StCu	2	-	2	•
Holyhead	1005.6	-2	ENE	6	bc+	36	97	6	4000	St	6	-	6	4
Liverpool (Bidston) ...	1006.3	-2	ENE	2	o	34	85	2	800	St	10	-	10	3
Chester (Shotwick) ...	1006.8	-3	NE	2	o	33	92	3	2500	St	10	-	10	•
Spurn Head	1006.6	-3	ESE	6	o	39	75	7	2500	Nb	7	Ci.St	10	4
Birmingham (Edgbaston)	1004.5	-3	NE	4	mmo	34	85	4	1500	St	10	-	10	•
Nottingham	1005.5	-3	NE	3	o	35	92	6	1500	Nb	10	-	10	•
Cranwell	1006.3	-4	ENE	3	o	35	92	6	800	StCu	10	-	10	4
Gorleston	1006.6	-4	E'N	6	o	39	85	7	4000	StCu	10	-	10	
Valencia (Cahirciveen)	1005.0	0	ENE	2	c	32	75	6	2500	St	8	-	8	1
Roches Point	1004.1	0	N	1	b	32	97	7	4000	StCu	3	-	3	0
Pembroke (St. Ann's H.)	1003.3	-2	ENE	4	o+	34	85	7	2500	St	10	-	10	•
Ross-on-Wye	1003.7	-3	ENE	3	o	33	85	5	1500	St	10	-	10	•
Leafield	1002.9	-4	ENE	3	o	33	92	6	4000	St	9	-	9	•
Andover	1001.1	-4	NE	3	o	33	97	4	800	St	10	-	10	•
S. Farnborough ...	1001.8	-4	ENE	2	mo-	33	97	4	1500	St	10	-	10	•
London (Kew Obsy.) ..	1002.3	-3	NE'E	3	o	37	85	5	1500	St	10	-	10	•
Croydon	1002.5	-3	ENE	2	o	34	92	5	800	St	10	-	10	•
Clacton-on-Sea ...	1002.3	-4	ENE	4	o	39	85	7	2500	Nb	10	-	10	3
Shoeburyness	1002.4	-5	E'S	6	o+	37	75	7	1500	StCu	10	-	10	•
Grain	1002.2	-4	E'N	6	o	38	75	6	800	St	10	-	10	0
Lympne	1001.4	-1	E'N	4	o	34	85	5	450	St	10	-	10	•
Scilly (St. Mary's) ...	999.3	-2	NE'E	4	o	41	97	7	4000	Nb	6	A.St	10	5
Falmouth (Pendennis)	998.8	-2	ENE	5	o⦶	39	92	6	5700	StCu	10	-	10	0
Plymouth (Cattewater)	1000.0	-1	E'N	3	o	36	92	6	1500	St	10	-	10	0
Portland Bill	999.9	-2	ENE	5	mmo	35	85	5	450	St	10	-	10	4
Southampton (Calshot)	1001.4	-4	NE'E	4	o	34	85	6	800	St	10	-	10	0
Dungeness	1001.4	-4	E	4	o	35	97	7	-	-	0	A.St	10	4
Guernsey	998.7	-1	E	4	mmo	37	97	5	2500	St	10	-	10	4

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 27th

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 26-27 °F.	Temperature. Max. Day. 27 °F.	Rainfall.† Night 17h.-9h. 26-27 mm.	Rainfall.† Day 9h.-17h. 27 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 27 hr.
Montrose	xfc	odf	30	37	-	1		0.0
Berwick-on-Tweed	Fexf	fexfx	25	34	-	-		0.0
Llandudno	o	o	32	38	-	-		0.7
Colwyn Bay	c	c	32	37	-	-		1.3
Rhyl	cbcc	c	30	37	-	-		1.0
Southport	xmoc	ocx	29	36	-	-		0.3
Blackpool	mc	m	28	34	-	-		0.1
Ilkley	fxofo	f	24	27	-	-		0.0
Harrogate	bf	bfm	24	30	-	-		0.0
Skegness	bcoms	cb	26	39	-	1		0.5
Aberystwyth ...	oco	b	31	38	-	-		2.0
Bath	bccm	bebm	21	34	-	-		1.9
Leamington Spa ...	cb	cbm	20	34	-	-		0.0
Lowestoft	ocb	bbc	32	34	1	-		5.8
Felixstowe	c	f	29	41	-	-		4.6
Southend	xfoc	co	23	38	-	-		2.1
Ilfracombe	bcb	b	35	41	-	-		3.1
Bude	oc	co	32	45	-	-		0.6
Torquay	cdrs	capt	36	42	1	2		0.3
Weymouth	xmcc	bcco	28	37	-	-		0.6
Bournemouth ...	bc	bc	23	36	-	-		2.0
Portsmouth (S'thsea)	bc	cm	27	37	-	-		2.0
Littlehampton ...	bcm	ocm	23	36	-	-		2.7
Worthing	bbc	co	26	36	-	-		2.6
Brighton	fcbbc	o	28	37	-	-		4.4
Eastbourne	bcc	co	26	39	-	0.1		1.1
Hastings	xbcc	como	28	37	0.1	-		3.0
Folkestone	xmc	xco	28	37	-	-		1.4
Dover	xcbcc	comfc	29	39	-	-		1.4
Tunbridge Wells ...	bmo	cbccm	19	34	-	-		2.2
Ramsgate								
Margate	bcb	bbcco	29	38	-	-		4.1
Deal	oc	oc	25	33	-	-		0.7

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace of rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22652 THURSDAY, 29th NOVEMBER .....1923.

Observations at 1300 G.M.T. 28th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1013.7	+2	SE	2	0	43	85	7	2500	St	4	ASt	10	*
Stornoway	1009.5	0	-	0	bc	35	97	7	800	St	6	-	6	*
Wick	1010.9	-2	-	0	0	40	92	8	800	St	4	CiSt	10	*
Castlebay	1008.9	0	E	3	bc	43	78	7	-	-	0	ASt	6	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	101.2	-2	ESE	3	o/o	39	85	7	1500	Nb	10	-	10	1
Malin Head	1006.6	-1	E'S	3	o+	42	85	7	5700	StCu	8	ACu	9	*
Renfrew	1008.3	-4	-	0	mo	34	97	4	2500	StCu	6	ASt	10	1
Edinburgh (Inchkeith)	1006.4	-2	E	3	o/o	39	92	8	*	CuNb	6	ASt	10	*
Lenchars	1008.6	-2	E	3	o	39	85	8	4000	StCu	10	-	10	2
Eskdalemuir	1007.8	-2	ENE	4	os	32	97	4	1500	Nb	10	-	10	7
Tynemouth	1007.0	-3	SE	3	o/r	41	78	6	800	Nb	10	-	10	*
Blacksod Point	1006.1	-1	NNE	2	o	39	78	8	*	*	*	*	10	*
Donaghadee	1007.5	-1	ENE	4	od	42	83	8	800	St	3	ASt	10	*
Birr Castle	1005.8	*	E	1	o/r	32	92	6	2500	Nb	10	-	10	*
Holyhead	1004.2	-2	E	5	mmo	39	85	5	1500	St	10	-	10	0
Liverpool (Bidston)	1003.7	-2	ENE	2	o/f	38	85	3	1500	St	10	-	10	*
Chester (Shotwick)	1004.1	-3	NE	2	o/f	36	88	4	2300	St	10	-	10	3
Spurn Head	1003.2	-5	E	6	o	39	78	7	4000	StCu	10	-	10	*
Birmingham (Edgbaston)	1001.7	-3	NNE	3	ors	34	97	3	1500	St	10	-	10	3
Nottingham	1002.2	-4	NE	4	od	33	97	6	*	Nb	10	-	10	*
Cranwell	1002.9	-4	ENE	3	ors	33	97	6	800	St	10	-	10	2
Gorleston	1001.4	-3	E	5	o	38	85	6	4000	Nb	10	-	10	*
Valencia (Cahirciveen)	1004.2	-2	ENE	2	bc	38	78	7	2500	StCu	1	CuCu	4	1
Roches Point	1002.7	-4	NNE	3	o	37	85	6	5700	StCu	9	-	9	*
Pembroke (St. Ann's H.)	1002.1	-2	ENE	4	o	37	85	7	2500	St	10	-	10	*
Ross-on-Wye	1001.2	-4	NE	3	o	35	85	5	1500	St	10	-	10	1
Leafield	1000.2	-4	NE	2	od+	33	97	6	1500	St	10	-	10	*
Andover	999.3	-3	NNE	3	o	34	92	6	800	St	10	-	10	1
S. Farnborough	998.9	-4	NNE	3	mmo	34	92	5	800	St	10	-	10	1
London (Kew Obsy.)	998.6	-4	NNE	3	o	37	85	4	1500	St	10	-	10	1
Croydon	999.2	-3	NE'N	3	o	36	85	4	1500	St	10	-	10	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	998.4	-4	NE	4	o	38	78	6	1500	St	10	-	10	*
Grain	998.5	-4	ENE	5	o	39	85	6	800	St	10	-	10	1
Lympne	997.4	-4	NE'N	3	o	36	85	6	800	St	10	-	10	2
Scilly (St. Mary's)	999.3	0	ENE	3	orr	38	97	6	4000	StCu	10	-	10	*
Falmouth (Pendennis)	1000.0	+1	NE	3	o/r	38	85	6	5700	StCu	10	-	10	*
Plymouth (Cattewater)	998.9	-2	NE	3	o	37	92	6	2500	St	10	-	10	1
Portland Bill	999.2	-4	ENE	4	ors	37	78	6	450	St	10	-	10	*
Southampton (Calshot)	998.4	-3	N	3	ors	36	92	5	800	Nb	10	-	10	1
Dungeness	997.1	-4	E	4	o	38	92	7	-	-	0	ASt	10	*
Guernsey	997.8	-1	SSE	1	mmo	39	92	6	1500	St	10	-	10	*

Observations at 1800 G.M.T. 28th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sun.
Lerwick	1013.4	0	SSW	2	bc	43	75	7	-	-	0	ASt	4	1
Stornoway	1009.5	0	-	0	c	32	97	6	800	St	7	-	7	0
Wick	1010.5	0	SSE	3	0	43	85	8	1500	St	6	CiSt	10	3
Castlebay	1008.5	0	E	3	b	41	75	8	2500	Cu	2	-	2	2
Nairn	1010.2	*	-	0	c	33	85	7	1500	St	8	-	8	*
Aberdeen	1010.2	-1	ESE	4	0	39	75	8	1500	St	9	-	9	1
Malin Head	1006.3	0	E	4	or	42	85	7	4000	Nb	5	ASt	10	1
Renfrew	1007.9	0	-	0	o/r	37	92	6	2500	StCu	10	-	10	*
Edinburgh (Inchkeith)	1006.9	-1	E	3	orr	37	97	8	*	Nb	10	-	10	1
Lenchars	1007.8	0	E	3	o/r	37	85	7	2500	StCu	7	ASt	10	*
Eskdalemuir	1006.8	-1	NNE	3	0	33	92	6	1500	St	10	-	10	*
Tynemouth	1006.5	-2	ESE	3	o/r	40	75	6	800	Nb	10	-	10	2
Blacksod Point	1006.7	+2	ESE	4	0	39	85	5	*	*	*	*	10	0
Donaghadee	1006.7	0	ENE	3	od	41	92	7	450	St	10	-	10	4
Birr Castle	1004.5	*	E	1	ors	34	97	4	2500	Nb	10	-	10	*
Holyhead	1003.3	0	NE	5	o/r	39	85	8	2500	StCu	10	-	10	*
Liverpool (Bidston)	1002.5	0	ENE	2	mmo	34	97	4	800	St	10	-	10	3
Chester (Shotwick)	1002.5	0	NE	2	ors+	35	88	3	1500	St	10	-	10	*
Spurn Head	1000.3	-4	E	6	orr	38	92	7	2500	Nb	10	-	10	4
Birmingham (Edgbaston)	1000.4	-1	N	4	o/sh	34	92	3	1500	Nb	10	-	10	*
Nottingham	1000.1	-1	NE	3	o/ro	36	92	6	1500	Nb	10	-	10	*
Cranwell	1000.1	-1	ENE	3	o/ro	35	97	6	800	St	10	-	10	*
Gorleston	999.3	-2	ENE	4	orr	37	92	7	2500	Nb	10	-	10	4
Valencia (Cahirciveen)	1004.8	+2	NE'E	1	bc	34	85	6	1500	St	3	ASt	5	1
Roches Point	1002.8	0	NE	2	0	36	85	8	4000	StCu	10	-	10	0
Pembroke (St. Ann's H.)	1002.1	+1	ENE	3	0	37	85	7	2500	St	10	-	10	3
Ross-on-Wye	1000.5	0	N	2	od	35	92	4	800	St	10	-	10	*
Leafield	999.1	0	NE	1	os	33	92	6	1500	St	10	-	10	*
Andover	998.8	0	NNE	3	ors	34	92	6	800	Nb	10	-	10	*
S. Farnborough	998.6	+1	N'W	1	oss	33	97	4	450	St	10	-	10	*
London (Kew Obsy.)	998.7	+1	NW'W	1	oss	34	92	4	1500	Nb	10	-	10	*
Croydon	999.0	+1	NW'N	1	oss	33	97	3	450	Nb	10	-	10	*
Clacton-on-Sea	997.5	0	ENE	3	orr	37	97	5	1500	St	10	-	10	1
Shoeburyness	998.0	0	-	0	oss	33	92	7	800	Nb	10	-	10	*
Grain	998.1	+4	W	1	oss	33	97	6	1500	Nb	10	-	10	0
Lympne	997.1	0	N	2	oss	33	97	2	450	Nb	10	-	10	*
Scilly (St. Mary's)	999.4	0	NE'N	3	or	40	97	6	4000	Nb	10	-	10	4
Falmouth (Pendennis)	999.8	0	NE	3	odd	36	92	6	5700	StCu	10	-	10	0
Plymouth (Cattewater)	999.7	+1	NE	2	ors	35	97	7	1500	Nb	10	-	10	0
Portland Bill	999.2	0	NE	3	o	36	85	7	450	St	10	-	10	4
Southampton (Calshot)	998.7	0	N'W	3	ors	35	97	6	800	Nb	10	-	10	0
Dungeness	997.3	+1	-	0	oss	33	97	3	2500	Nb	10	-	10	3
Guernsey	998.0	+2	S'E	2	mmo	41	92	6	1500	St	10	-	10	0

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h
		24 hours ended 0900 G.M.T. 29th											
Kew	18	0m	0mrs	0msom	*	*	32	1	1	0.0	*	*	2
Croydon } 24 hours ended 0700	244	0m	omfs.s	ofnm	*	*	32	2	1	0.0	*	*	3
Greenwich (Royal Obsy.)	149	0	os	ors	37	33	30	0.3	2	0.0	86	87	*
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	?	34	32	4	4	0.0	82	91	*
Regent's Pk. (Botanic Gdns.)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square	110	0	orf	*	37	33	29	1	1	*	*	95	*
Kensington Palace	80	oc	or	*	37	33	27	1	1	*	(At 18h 100)	89	*
Hampstead Observatory	450	*	*	*	35	31	29	1	1	0.0		94	*

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 28th .....

South Kensington

Max.	Time.	Min.	Time.
1.0	18h.27m	0.3	24h.28m
1.3	9h.28m		

Kew Observatory

Max.	Time.	Min.	Time.
0.8	17h.27m	0.3	3h.28m
0.7	9h.28m		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 28th ..... 17h 00m. to 29th ..... 5h 30m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13.30	0.0	0
δ Ursæ Minoris	13.30	0.0	0

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Snowing to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per ½ sec.	Stren.	Direc. °
13h.	C1C2	6	-	140°
18h.	C1C2	6	-	30°
01h.	C1C2	6	-	40°
07h.	C1C2	6	-	30°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

29th & 30th November, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.39	11.41	3.43
	7.41	11.41	3.43
Greenwich	7.42	11.48	3.54
	7.44	11.49	3.54
Wick	8.35	12.0	3.26
	8.37	12.1	3.25
Valencia	8.25	12.29	4.33
	8.27	12.30	4.32

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain, rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). { before (for precipitation).
⊕ = 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:—fo/r = fair weather after rain; - = "decreasing", + = "increasing."

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 miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.

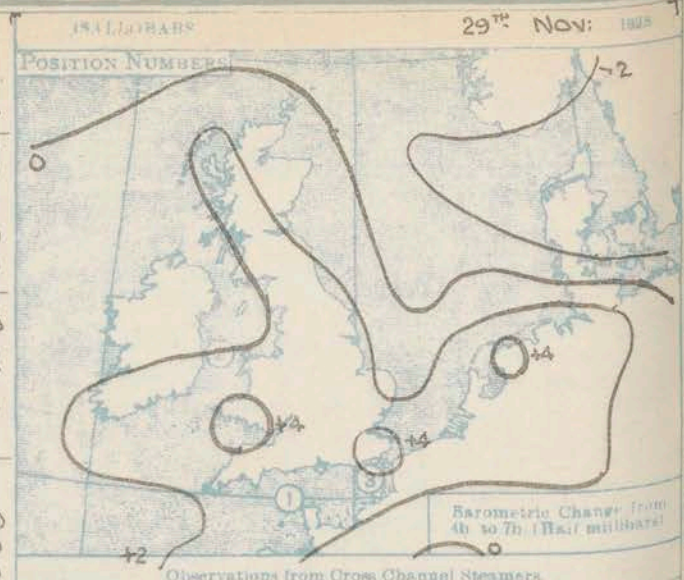
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea
7=rough sea.
8=very rough sea.
9=mountainous sea

[1] For explanation see Introduction.
* Information for these columns not usually received.
‡ The barometric change is expressed in half millibars.
§ For code see page 3

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-13h. 29th	13h.-18h. 25th	18h. 25th to 1h. 29th	1h.-7h. 29th	Temperature. Max. Day. 7h.-18h.	Min. Night. 18h.-7h.	Min. on Grass.	Rainfall.‡ Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began	Sun. 28th Hours.
Lerwick	⦿	o	bo	o	44	38	.	-	-	-	-	0.0
Stornoway	oo	c	b-bc	b	37	25	.	0.5	-	-	-	0.1
Wick	oirp	oo	c	c	43	37	.	0.4	-	0900	-	.
Castlebay	bcjm	bcr.b	bob	obc	43	39	.	-	0.5	.	-	3.1
Nairn	cp.	cprsm	csbdo	odm	35	28	.	0.2	0.3	1430	-	0.0
Aberdeen	omfprho irs	opcr	copRh	copri	40	35	33	1	1	0900	<2100	0.0
Malin Head	coz	coz	zcov	cov	42	38		Trace	-	1730	-	0.0
Renfrew	oxsf	omr	om	or	37	35	31	0.2	0.1	1530	-	0.0
Edinburgh (Inchkeith)	m	oirff	prs	phprs	41	34	32	0.4	3	1230	<2100	0.6
Leuchars	omco	ofrpt	ophoo	osso	40	33	29	1	1	1430	<2100	0.7
Eskdalemuir	omosm	oposo	opso	oo	35	30	29	0.3	Trace	1100	<2100	0.0
Tynemouth	irm	irmq	irsom	oorm	42	36	32	2	2	<0800	2200	.
Blacksod Point	c	oo	c	p	43	32	.	-	9	.	-	.
Donaghadee	o	omd	oq	bq	42	39	.	0.3	-	1230	-	.
Birr Castle	ocz	oirs	orso	r-rs	34	30	24	0.3	0.3	1630	<2100	0.0
Holyhead	mm	omr	rsro	rPHq	39	37	34	Trace	2	1730	<2100	0.0
Liverpool (Bidston)	f-m	of		os	38	32	30	-	0.3	-	<2100	0.0
Chester (Shotwick)	ojpqoff	omrhrs	orso	f-fcosm	36	34	31	Trace	1	<0800	<2100	0.0
Spurn Head	oo	f-d	orr	r-d	40	35	.	1	5	1630	<2100	0.0
Birmingham (Edgbaston)	ofrsrs	oisoof	oirso	osoff	34	32	32	0.4	0.6	0900	<2100	0.0
Nottingham	doo	doo	doo	mdoo	36	34	32	2	1	0900	<2100	0.0
Cranwell	oisormm	oissr	s-rs	osm	35	32	27	2	3	<0800	<2100	0.0
Gorleston	oo	qror	odoc	cxbx	39	32	30	1	3	1350	<2100	0.0
Valencia (Cahirciveen)	cbcz	cbcq	bcx	cbcod	38	33	27	-	0.1	.	0630	3.9
Roches Point	ofz	ojo	bc	bcx	38	35	.	-	Trace	.	-	.
Pembroke (St. Ann's H.)	c	c	b-bc	cbc	37	33	.	-	-	-	-	0.0
Ross-on-Wye	om	oidm	doom	rsrsom	36	33	32	Trace	1	1430	<2100	0.0
Leafield	co	coso	off	fo	34	32	32	Trace	-	1230	-	0.0
Andover	om	omfsm	om	omosm	34	32	30	Trace	Trace	1730	<2100	0.0
S. Farnborough	omxom	rsos	osoom	of	35	32	32	0.5	1	1530	<2100	0.0
London (Kew Obsy.)	om	omrs	omsom	omom	37	33	32	1	1	1530	<2100	0.0
Croydon	om	omfsoso	ofsbo	ofm	36	33	32	2	1	1630	<2100	0.0
Clacton-on-Sea	og	ogr	ogrm	ofmed	39	32	32	3	3	1430	<2100	0.0
Shoeburyness	o	orrss	osso	oo	39	32	32	3	2	1920	<2100	0.0
Grain	om	rosso	ssooo	oo	39	32	32	3	2	1430	<2100	0.0
Lympne	am	ofss	ofss	ofm	36	31	30	0.5	6	1330	<2100	0.0
Scilly (St. Mary's)	omr	omr	co	oc	42	38	.	7	0.2	0900	<2100	0.0
Falmouth (Pendennis)	corco	comd	omdbc	com	43	34	.	0.1	Trace	1530	<2100	0.0
Plymouth (Cattewater)	oo	orsi	orbcx	bcox	37	32	15	0.6	Trace	0500	<2100	0.1
Portland Bill	s-rs	s-rs	c	f-m	38	30	.	Trace	-	-	-	
Southampton (Calshot)	oo	orsc	oo	oo	37	34	30	1	Trace	1230	<2100	0.0
Dungeness	oo	rsrs	s-rs	xmm	39	30	.	4	3	1230	<2100	?
Guernsey	om	f-m	om	dodoo	41	37	.	-	1	-	-	.

‡ For Code see opposite page



Observations from Cross Channel Steamers.

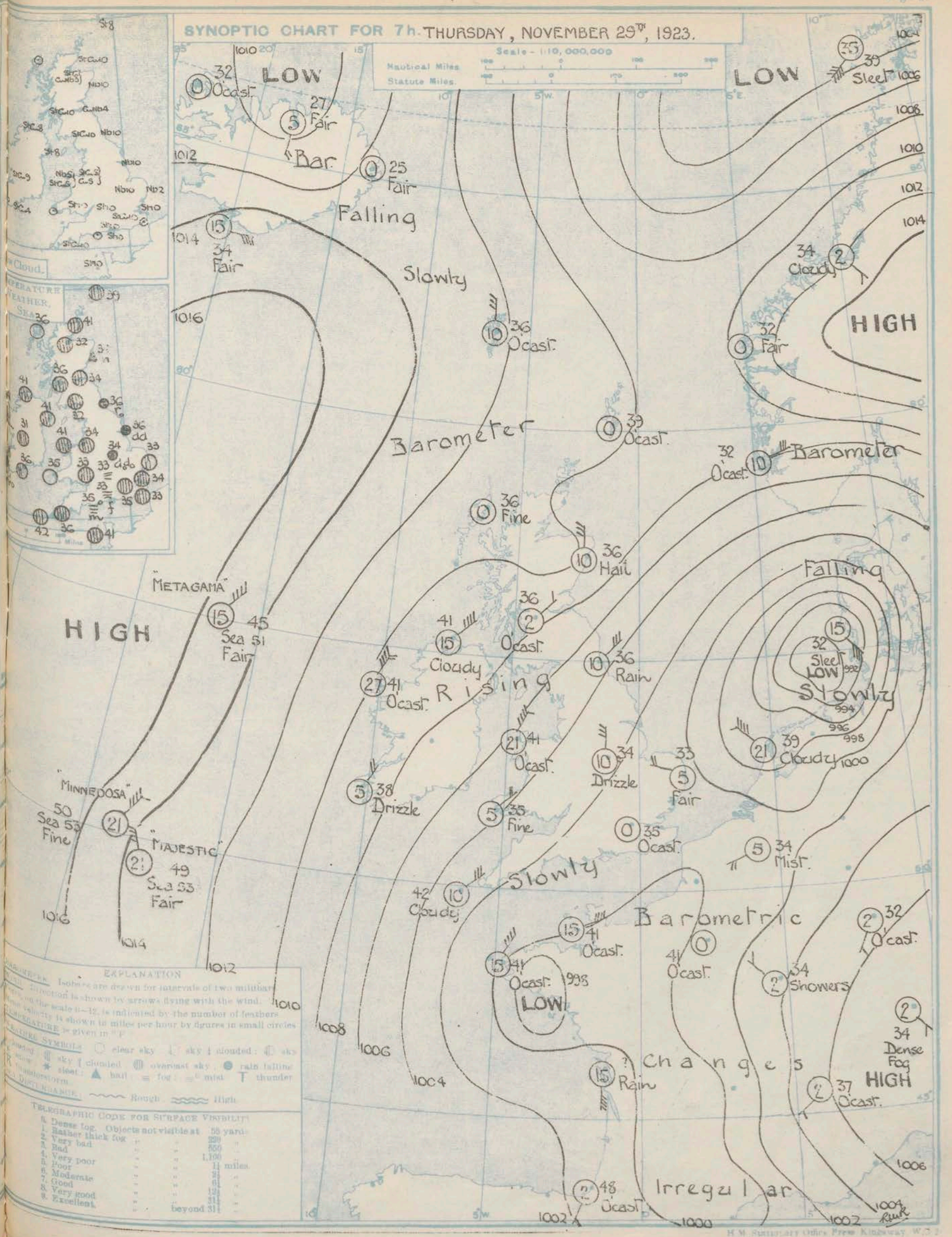
Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	28th 1000	Anglia	E	5	o/	40	50	7
3	29th 0200	"	N	1	o/r	41	50	6

GENERAL INFERENCE.

The depression recently over Belgium is moving north-eastwards across Denmark. Moderate winds from N. and N.E. are probable over the British Isles with cold unsettled weather.

Districts.	Forecasts for the 24 hours commencing 15h G.M.T. Thursday, 29th November, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Light winds, mainly northerly; dull, occasional slight rain or sleet; misty; cold.	None issued. ------
4. W. Midlands 5. S.W. England 6. South Wales	Light or moderate N. to N.E. winds; varying amount of cloud, occasional slight rain or sleet locally; visibility poor to moderate; cold, slight frost at night inland.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Moderate northerly winds; dull, occasional sleet or snow; visibility moderate; cold, slight frost in places at night.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 4 - 6.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0910 GMT. G. C. Simpson, F.R.S., Director.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Thursday, 29th November.....1923. No. 333

Observations at 0100 G.M.T. 29

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.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1013·1	0	S	1	bc	41	63	7	5700	StCu	2	ACu	4
Stornoway	51	1010·0	0	-	0	bc	•	•	6	•	•	•	•	•
Wick	81	1010·3	0	ESE	2	c	41	75	8	4000	StCu	5	CiSt	7
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	40	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1007·3	+1	NE'E	4	0	41	92	8	5700	StCu	9	-	9
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1006·1	-1	E	3	0rs	37	92	8	•	CuNb	5	ASt	10
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1008·9	-1	NNE	4	0rs	38	85	5	800	Nb	10	-	10
Blacksod Point	10	1008·5	+1	SE	4	0	39	85	5	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1003·2	0	NE'N	5	o/r	40	85	8	2500	Cu	4	ACu	9
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1010·3	0	NE	5	or	36	97	7	4000	Nb	10	-	10
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1003·8	0	N'E	3	0s.s.	32	97	6	800	Nb	10	-	10
Gorleston	13	1010·2	0	NW	2	c-	34	85	7	4000	Cu	7	-	7
Valencia (Cahirciveen)	30	1007·0	+1	SE	1	bc+	39	92	8	-	StCu	5	-	5
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	140	1003·2	0	NE	3	c+	36	85	7	4000	StCu	8	-	8
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	550	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	297	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	35	•	•	•	•	•	•	•
Croydon	244	1000·0	+1	W'N	1	o/s	33	97	3	800	Nb	10	-	10
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	999·5	+2	N	2	of/s	31	97	1	<150	St	10	-	10
Scilly (St. Mary's)	131	1001·5	+2	NE'E	2	0	40	92	7	4000	StCu	10	-	10
Falmouth (Pendennis)	200	1001·9	+2	NE	3	0	37	75	7	5700	StCu	10	-	10
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	999·9	+4	NNE	2	c-	36	75	7	4000	CuNb	8	-	8
Southampton (Calshot)	12	1002·4	+2	N	3	0	35	92	6	1500	StCu	10	-	10
Dungeness	21	999·7	+1	NNW	1	c/s	32	97	5	-	-	0	ACu	8
Guernsey														

Observations at 0700 G.M.T. 29

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	1011·6	-1	-	0	0	39	75	7	5700	StCu	8	ASt	10	0
Stornoway	1010·6	+2	-	0	b	2[illegible]6	97	8	-	-	0	-	10	0
Wick	1009·8	+1	ENE	2	0	41	75	8	4000	StCu	10	-	10	1
Castlebay	1010·0	+1	N	2	c	40	85	8	4000	StCu	8	-	8	
Nairn	1010·4	•	-	0	0+	32	85	7	1500	St	9	-	9	•
Aberdeen	1009·0	0	N	3	oh/fh	36	92	6	1500	Nb	10	-	10	0
Malin Head	1008·8	+1	NE	4	c	41	85	8	5700	StCu	8	-	8	1
Renfrew	1008·9	+2	NE	1	0	36	85	6	4000	StCu	10	-	10	
Edinburgh (Inchkeith)	1007·4	+2	NE	3	c/s	34	97	8	•	CuNb	4	Ci	8	2
Leuchars	1007·8	+1	N	2	0ss.	34	97	6	4000	Nb	10	-	10	•
Eskdalemuir	1006·7	0	N	3	0	32	75	7	1500	StCu	10	-	10	•
Tynemouth	1004·6	+2	NE	3	0r	36	97	7	800	Nb	10	-	10	4
Blacksod Point	1010·0	+1	NNE	6	0	41	85	7	•	•	•	•	10	6
Donaghadee	1008·1	+1	NNE	4	c-	41	75	8	800	St	8	-	8	5
Birr Castle	1008·5	•	NNE	1	0-	31	97	5	2500	StCu	9	-	9	•
Holyhead	1003·7	+2	N'E	5	o/sh	41	85	8	2500	Nb	10	-	10	+
Liverpool (Bidston)	1004·1	+1	NNE	3	o+	34	97	7	2500	StCu	10	-	10	•
Chester (Shotwick)	1003·9	+2	NNW	2	0	34	92	+	4000	StCu	9	-	9	
Spurn Head	1001·8	+3	NNW	4	or+	36	97	7	2500	Nb	10	-	10	+
Birmingham (Edgbaston)	1003·1	+2	NNW	3	f/o	33	92	5	1500	St	10	-	10	•
Nottingham	1002·2	+1	N	3	3d/o	34	97	4	1500	Nb	10	-	10	•
Cranwell	1002·5	+3	N'W	3	0ss.	32	97	4	800	Nb	10	-	10	•
Gorleston	1000·9	+1	NNW	2	bc-	33	85	6	-	Nb	2	CuCu	4	1
Valencia (Cahirciveen)	1009·7	+3	NE'N	2	odd.	38	92	6	1500	St	10	-	10	1
Roches Point	1007·9	+3	N	4	bc	36	92	7	2500	StCu	4	-	4	0
Pembroke (St. Ann's H.)	1004·3	+4	NE	2	b	35	85	8	-	-	0	-	0	2
Ross-on-Wye	1002·9	+3	N'W	2	o/sh	33	92	5	800	St	10	-	10	•
Leafield	1002·6	+3	N	2	f o+	33	97	3	1150	St	10	-	10	•
Andover	1001·7	+2	N'E	2	oso	33	97	6	450	Nb	10	-	10	•
S. Farnborough	1001·6	+3	NE	1	ff o	33	97	3	800	St	10	-	10	•
London (Kew Obsy.)	1001·8	+2	-	0	0	35	92	4	1500	StCu	10	-	10	•
Croydon	1001·8	+3	NNW	1	0	33	97	4	800	Nb	10	-	10	•
Clacton-on-Sea	1000·6	+2	NNW	2	0	34	92	7	5700	St	10	-	10	0
Shoeburyness	1001·3	+2	NNW	1	0	33	85	7	800	St	10	-	10	•
Grain	1001·5	+4	WNW	3	0	33	92	7	4000	St	10	-	10	•
Lympne	1001·6	+4	N	1	0	32	97	4	225	St	10	-	10	
Scilly (St. Mary's)	1002·6	+2	NE	3	c-	42	85	7	4000	StCu	8	-	8	3
Falmouth (Pendennis)	1002·7	+2	NE	2	0	36	85	6	5700	StCu	10	-	10	0
Plymouth (Cattewater)	1002·4	+3	N	2	0	32	92	6	2500	StCu	10	-	10	0
Portland Bill	1000·8	+2	NNE	2	mmb	35	85	5	-	-	0	-	0	0
Southampton (Calshot)	1002·0	+3	N	2	0	34	92	6	1500	St	10	-	10	0
Dungeness	1001·2	+2	N	1	0	33	97	5	-	-	0	ASt	10	1
Guernsey	1000·2	+3	E'N	4	o/r	41	92	6	1500	St	10	-		

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 28th

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 27-28 °F.	Temperature. Max. Day. 28 °F.	Rainfall.† Night 17h.-9h. 27-28 mm.	Rainfall.† Day 9h.-17h. 28 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 28 hr.
Montrose	amo	opnd	26	43	3	1		0·5
Berwick-on-Tweed	Hrsc	p/hr	30	41	4	2		0·0
Llandudno	mo	mod	31	39	-	-		0·0
Colwyn Bay	c	cop	29	38	-	-		0·0
Rhyl	xo	op	31	38	-	0·2		0·0
Southport	xdcc	cb	29	38	-	-		1·4
Blackpool	mc	co	29	38	-	-		1·3
Ilkley	oxmy	orsd.	25	36	-	0·3		0·0
Harrogate	mo	oso	28	34	0·2	1		0·0
Skegness	og/hr	or	36	40	-	2		0·0
Aberystwyth	o.oc	b	33	40	-	-		2·3
Bath	mo	omw	28	36	-	-		0·0
Leamington Spa	o	od	28	38	-	-		0·0
Lowestoft	o	oir.	37	39	-	1		0·0
Felixstowe	om	or	36	38	0·4	2		0·0
Southend	mo	oor	32	38	-	2		0·0
Ilfracombe	o	o	35	40	-	-		0·0
Bude	o	o	33	45	-	0·2		0·0
Torquay	rs	rsod	34	37	1	1		0·0
Weymouth	o	o	32	37	-	-		0·0
Bournemouth	o	o	32	35	-	-		0·0
Portsmouth (S'thsea)	ofm	orsmw	33	37	-	2		0·0
Littlehampton	ocmw	ocmrs	29	36	-	4		0·0
Worthing	q	odm	33	37	-	2		0·0
Brighton	odro	rsors	33	37	-	4		0·0
Eastbourne	o	rs	33	38	0·1	5		0·0
Hastings	omar	ssf	33	37	0·2	3		0·0
Folkestone	x	r	33	41	-	0·4		0·0
Dover	omo	orm	32	39	-	5		0·0
Tunbridge Wells	om	ooros	30	36	-	2		0·0
Ramsgate								0·0
Margate	o	orr	32	39	-	5		0·0
Deal	od	orr	31	38	-	4		

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22,653. Friday, 30th November 1923.

Observations at 1300 G.M.T. 29th

Stations (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	State of ground.
Lerwick	1010.6	-3	W	1	cjp	41	85	7	4000	CuNb	4	ASt	8	*
Stornoway	1011.2	+1	-	0	b	38	92	9	-	-	0	-	0	*
Wick	1010.9	+1	WNW	2	o	37	92	8	4000	StCu	7	CiSt	9	*
Castlebay	1012.5	+2	NW	2	b	43	75	8	4000	Cu	1	-	1	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1010.1	+1	NNW	2	b-	38	85	8	-	-	0	-	0	1
Malin Head	1011.9	+2	N	3	b-	43	75	9	5700	StCu	1	-	1	*
Renfrew	1011.2	+2	N	1	o+	39	75	7	4000	StCu	9	-	9	2
Edinburgh (Inchkeith)	1009.5	+2	NNE	3	o/s	39	75	8	*	StCu	10	-	10	*
Leuchars	1009.7	+2	N	2	o	37	85	7	4000	StCu	10	-	10	2
Eskdalemuir	1009.3	+3	N	4	c	34	85	7	1500	StCu	6	ACu	7	7
Tynemouth	1007.4	+3	NE	2	cjp	39	97	7	800	Nb	8	-	8	*
Blacksod Point	1013.2	+1	NW	5	o	42	85	7	*	*	*	*	10	*
Donaghadee	1011.4	+3	NE	4	bc-	42	75	8	450	Cu	5	-	5	*
Birr Castle	1011.0	*	NW	1	c-	36	92	6	4000	StCu	7	-	7	*
Holyhead	1008.3	+3	NE'N	5	opr₀	41	75	8	1500	Nb	8	ASt	10	2
Liverpool (Bidston)	1007.3	+3	NNE	1	o	37	75	6	2500	St	9	-	9	*
Chester (Shotwick)	1007.4	+3	NW	3	o	37	85	4	2500	St	10	-	10	1
Spurn Head	1004.7	+2	NNE	4	o/s	38	92	7	2500	Nb	6	CiSt	10	*
Birmingham (Edgbaston)	1006.0	+2	NNW	3	mo-	36	85	4	2500	St	10	-	10	2
Nottingham	1005.6	+2	N	3	o	38	85	6	1500	St	8	CiSt	10	*
Cranwell	1005.7	+3	NNW	3	o	35	97	6	800	St	10	-	10	2
Gorleston	1003.9	+3	NW	1°	bc	42	85	6	4000	Cu	4	-	4	*
Valencia (Cahirciveen)	1012.3	+2	NE'N	2	bc-	44	75	8	2500	StCu	3	ACu	5	1
Roches Point	1010.8	+1	N	3	b-	40	85	6	-	-	0	CiSt	3	*
Pembroke (St. Ann's H.)	1007.1	+2	NNE	3	cjp	40	75	8	2500	Nb	7	-	7	*
Ross-on-Wye	1005.9	+2	NNE	2	o	36	85	6	1500	St	10	-	10	1
Leafield	1003.3	+2	N	2	mmo	34	92	6	1500	St	10	-	10	✱
Andover	1004.6	+2	NNE	3	o	35	85	7	800	St	10	-	10	1
S. Farnborough	1004.5	+2	N	2	od₀	35	92	6	800	St	10	-	10	2
London (Kew Obsy.)	1004.6	+1	N	2	o	36	85	6	1500	StCu	10	-	10	1
Croydon	1004.9	+2	NE'N	2	mmo	35	85	4	800	Nb	10	-	10	7
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1004.3	+1	N'E	2	mmo	35	85	6	450	St	10	-	10	*
Grain	1004.2	+2	N	3	o+	36	92	7	1500	St	10	-	10	1
Lympne	1003.9	+2	NNE	3	o	33	92	6	1500	St	10	-	10	7
Scilly (St. Mary's)	1006.2	+4	N	4	bcph₀	45	85	8	4000	CuNb	4	-	4	*
Falmouth (Pendennis)	1005.5	+3	NE	2	bc+	41	75	7	5700	StCu	5	-	5	*
Plymouth (Cattewater)	1005.3	+2	N	3	o	38	85	6	1500	St	10	-	10	1
Portland Bill	1003.7	+4	NNE	2	o/m	38	75	7	4000	StCu	10	-	10	*
Southampton (Calshot)	1004.5	+1	N	4	o/r	37	85	6	800	St	10	-	10	(?)7
Dungeness	1004.0	+3	N	2	o	33	97	6	-	-	0	ASt	10	*
Guernsey	1003.2	+1	N	4	o	40	85	7	4000	StCu	4	ASt	10	*

Observations at 1800 G.M.T. 29th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1009.7	-3	W	1	b	40	85	7	4000	CuNb	1	ASt	2	0
Stornoway	1012.2	*	-	0	o+	35	92	6	450	St	10	-	10	0
Wick	1011.1	+0	WNW	2	c	35	92	8	2500	StCu	7	-	7	1
Castlebay	1014.1	+3	CALM		b	37	85	8	-	-	-	-	-	0
Nairn	1012.4	*	-	0	bc	33	85	8	1500	St	4	-	4	*
Aberdeen	1011.7	+2	NW	3	b	35	97	7	2500	StCu	1	-	1	1
Malin Head	1013.9	+2	SE	1	b	36	85	9	-	-	0	-	0	0
Renfrew	1013.8	+3	NW	2	b	33	85	6	-	-	0	-	0	*
Edinburgh (Inchkeith)	1012.6	+3	NNW	3	b	35	85	8	*	-	0	-	0	1
Leuchars	1012.2	+4	NW	3	b	34	75	8	-	-	0	-	0	*
Eskdalemuir	1012.8	+4	N	3	b	30	75	7	-	-	0	-	0	*
Tynemouth	1010.0	+4	N	3	b-	38	85	7	4000	Cu	3	-	3	4
Blacksod Point	1016.1	+2	W	1	b-	34	92	7	*	*	*	*	2	0
Donaghadee	1014.3	+3	NE	3	b-	42	75	8	800	Cu	3	-	3	5
Birr Castle	1014.6	*	NNW	1	b-	31	97	6	-	-	0	-	0	*
Holyhead	1011.8	+4	NE'N	5	c	41	75	8	2500	StCu	7	-	7	4
Liverpool (Bidston)	1010.8	+5	N'E	3	bc	36	85	7	2500	St	4	ASt	6	3
Chester (Shotwick)	1010.7	+4	NNW	2	b-	34	92	6	2500	St	2	-	2	*
Spurn Head	1008.3	+4	NNW	4	OPRS	37	92	8	2500	Nb	9	-	9	4
Birmingham (Edgbaston)	1009.8	+5	NNW	3	mmo	35	85	5	800	St	10	-	10	*
Nottingham	1009.4	+5	N	3	o	35	92	5	1500	Nb	10	-	10	*
Cranwell	1009.2	+5	NNW	3	od₀	33	97	5	800	St	10	-	10	*
Gorleston	1006.1	+2	NW	2	b-	34	85	6	-	-	0	ASt	3	0
Valencia (Cahirciveen)	1014.8	+4	NNE	2	b-	38	85	8	2500	StCu	1	-	1	1
Roches Point	1014.5	+4	NNE	2	b	36	85	8	-	-	0	-	0	0
Pembroke (St. Ann's H.)	1010.7	+5	NE	3	bc	36	85	8	2500	St	4	-	4	3
Ross-on-Wye	1009.7	+5	N	2	mmo	34	85	8	800	St	10	-	10	*
Leafield	1008.7	+3	NE	2	o/+	34	85	5	1500	St	10	-	10	*
Andover	1007.9	+4	NNE	3	c-	35	85	6	800	~~StCu~~	8	-	8	*
S. Farnborough	1007.6	+5	N	2	o	34	92	7	1500	St	10	-	10	*
London (Kew Obsy.)	1007.8	+5	N	2	o	36	85	6	2500	StCu	10	-	10	*
Croydon	1007.8	+5	NNE	3	mmo	34	92	4	450	Nb	10	-	10	*
Clacton-on-Sea	1006.0	+2	NW	3	b-	33	97	5	2500	St	3	-	3	0
Shoeburyness	1007.7	+3	N	1	b/m	32	85	7	-	-	0	-	0	*
Grain	1007.3	+4	NW'N	4	bc-	34	92	6	800	St	4	-	4	0
Lympne	1007.1	+5	N'E	3	o	34	92	6	450	St	10	-	10	*
Scilly (St. Mary's)	1009.7	+4	N	5	cpr₀	40	97	8	4000	CuNb	7	-	7	4
Falmouth (Pendennis)	1009.5	+3	NE	3	o+	38	85	7	5700	StCu	9	-	9	0
Plymouth (Cattewater)	1009.4	+6	NNE	2	c-	37	85	6	2500	StCu	7	-	7	0
Portland Bill	1007.2	+8	NNE	2	o	37	75	7	4000	StCu	10	-	10	0
Southampton (Calshot)	1007.4	+4	N	3	o	36	92	7	1500	St	10	-	10	0
Dungeness	1006.2	+5	NE	3	o	36	97	7	-	-	0	ASt	10	3
Guernsey	1006.9	+6	N'W	5	od₀	39	85	6	1500	Nb	10	-	10	2

London Observations

24 Hours ended 0900 G.M.T. 30th

London Observations.	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew } 24 hours ended 0700	18	omd₀m	om	omo	*	*	25	Tr	-	0.0	*	*	
Croydon } 24 hours ended 0700	244	omf	om	om	*	*	25	Tr	-	0.0	*	*	3
Greenwich (Royal Obsy.)	149	o	o	obo	36	31	25	-	-	0.0	87	96	3
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	37	32	29	-	-	0.0	85	90	*
Regent's Pk. (Botanic Gdns).	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square	110	o	o	*	36	31	28	-	-	*	*	93	*
Kensington Palace	80	o	o	*	36	31	23	-	-	*	(At 18h 82)	89	*
Hampstead Observatory	450	*	*	*	34	29	22	-	03	0.0	*	92	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 29th.

	Max.	Time.	Min.	Time.
South Kensington	1.0	18h 28th	0.3	4h 29th
	1.0	9h. 29th		
Kew Observatory	0.6	18h 28th	0.3	3h. 29th
	0.5	9h. 29th		

Pole Star Record at Greenwich Obsy.

Exposure from 29th 17 h 00m. to 30th 06 h 30m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	13·30	03·00	20
δ Ursae Minoris	13·30	02·45	20

Code for State of Ground.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

Radio Disturbances (Atmospherics) at Croydon.¹

Time.	Type.	No. per ¼ sec.	Stren.	Direc.
13h.	ςς2	6	-	10°
18h.	ς	6	-	25°
9th.	ςς2	6	-	45°
7h.	-	-	-	-

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

30th November 1st Dec. 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·41	11·41	3·43
	7·42	11·42	3·43
Greenwich	7·44	11·49	3·54
	7·45	11·49	3·54
Wick	8·37	12·1	3·25
	8·38	12·1	3·25
Valencia	8·27	12·30	4·32
	8·28	12·30	4·32

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height), before (for precipitation).
⊕ = 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; - = "decreasing"; + = "increasing."

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.

Sea Disturbance.

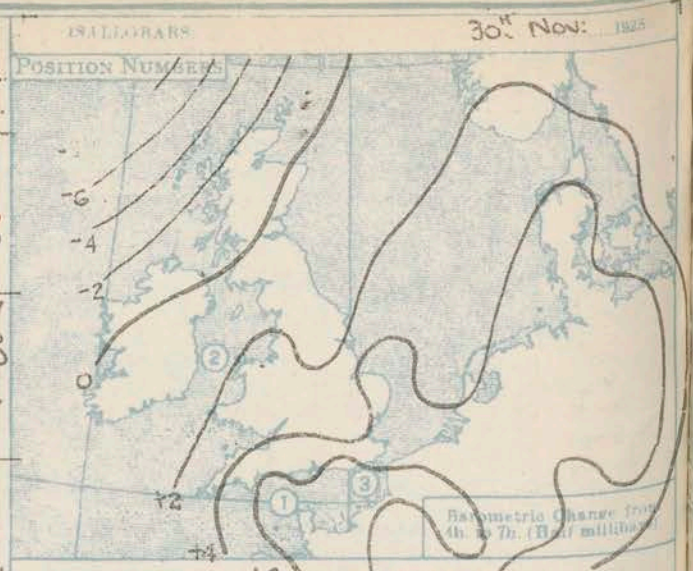
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea
7=rough sea.
8=very rough sea.
9=mountainous sea

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

¹ For explanation see introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.–13h. 29th	Weather. 13h.–18h. 29th	Weather. 18h. 29th to 1h. 30th	Weather. 1h.–7h. 30th	Temperature. Max. Day. 7h.–18h.	Temperature. Min. Night. 18h.–7h.	Temperature. Min. on Grass.	Rainfall.† Day. 7h.–18h. mm.	Rainfall.† Night. 18h.–7h. mm.	Rainfall.† Precipitation began.	Rainfall.† Precipitation began.	Sun. 29th Hours.
Lerwick	bc	c	cpr	b	44	35	•	1	1	1530	22·00	1·9
Stornoway	bbc	cp	b-bc	b	40	32	•	1	–	1730	–	3·2
Wick	obo ro	oo	bcprs	cbso	41	37	•	Trace	0·4	0900	22·00	•
Castlebay	• b	b	biorsc	cbc	43	36	•	–	0·2	–	–	5·6
Nairn	ospac	cbc	bcspc	cd	34	31	•	0·2	0·3	0900	–	0·0
Aberdeen	cophb.	bbx	bbcx	bcbx	38	34	25	0·1	–	<0800	–	3·1
Malin Head	cobcv	bx	bccov	cov	43	38 ~~35~~	•	=	–	–	–	4·7
Renfrew	oco	ocb	bbmx	bcxmc	40	24	14	–	–	–	–	2·3
Edinburgh (Inchkeith)	prs	ovb	bmm	mm	38	30	28	1	–	<0800	–	1·0
Leuchars	os rs ho	~~odbx~~ obx	bx	bxbccx	38	28	15	1	–	<0800	–	1·5
Eskdalemuir	ops oc	cbb		bbx	35	16	14	0·3	–	0900	–	2·5
Tynemouth	oir os	cq	oihm	b-bcm	41	30	28	1	4	<0800	<2100	1
Blacksod Point	p	b-bc	b-bc	b-bc	42	30	•	0·3	0·1	–	–	•
Donaghadee	c	bcq	bc	b	43	29	•	–	–	–	–	•
Birr Castle	coz	cobc	bc	bcx	39	23	16	–	–	–	–	4·6
Holyhead	rs pr	phor	cbcb	c	41	35	30	0·3	–	<0800	–	0·1
Liverpool (Bidston)	ocs m	oo		bm	37	34	25	–	–	–	–	0·1
Chester (Shotwick)	omfs gm	ombm	bmbmx	bxbxm	38	27	16	Trace	–	0900	–	0·0
Spurn Head	rs PH	oPS	osc	c	39	35 ~~34~~	•	4	3	<0800	<21·00	0·0
Birmingham (Edgbaston)	ofm	om	obcmx	bbffx	36	29	23	–	–	–	–	0·0
Nottingham	m	om	cb	f-mx	38	29	24	0·1	–	<0800	–	0·0
Cranwell	s mo	ocmd	c	bcbcm	36	30	28	0·1	Trace	<0800	–	0·2
Gorleston	bc	bc	bccx	cx	42	31	29	–	0·2	–	<21·00	4·8
Valencia (Cahirciveen)	odmbc	bccb	bx	bx	44	27	21	0·1	–	<0800	–	4·4
Roches Point	bcbz	bzb	bx	bx	41	31	•	–	0·1	–	–	
Pembroke (St. Ann's H.)	bec	c	b-bc	b-bc	42	32	•	–	–	–	–	4·6
Ross-on-Wye	om	omcmgom	comcbm	bx	36	27	18	–	–	–	–	0·0
Leafield	fo	cof	cof	ocf	34	26	21	–	–	–	–	0·0
Andover	omo ps	oomem	ombcm	bmx	35	31	25	Trace	–	<0800	–	0·0
S. Farnborough	ofs dom	odomo	omx	bmx	35	28	20	0·2	–	<0800	–	0·0
London (Kew Obsy.)	omd om	om	omo	oomx	36	31	25	Trace	–	0900	–	0·0
Croydon	omf	om	om	obmx	35	30	22	Trace	–	–	–	0·0
Clacton-on-Sea	ogm	ogcbcm	bcodmx	odbcmx	35	31	27	–	–	–	–	0·0
Shoeburyness	o	omcbc	bxo	bmx	36	30	26	Trace	–	<0800	–	0·0
Grain	ocbco	ombcm	bbcmb	bbcbm	37	30	25	Trace	–	<0800	–	0·5
Lympne	om	om	om	ocm	34	31	28	0·4	Trace	–	–	0·0
Scilly (St. Mary's)	bcphq	bccpq	cphq	cq	45	38	•	1	1	<0800	<2100	2·7
Falmouth (Pendennis)	bc	bc	bc	bc	42	35	•	–	–	–	–	5·5
Plymouth (Cattewater)	obom	oc	cbx	bx	39	33	16	–	–	–	–	0·4
Portland Bill	m	oo	c	f-m	~~38~~	32	•	–	–	–	–	•
Southampton (Calshot)	om	oo	obo	bbm	37	33	30	Trace	–	1230	–	0·3
Dungeness	om	oo	oo	bcx	37	30	•	Trace	–	1100	–	•
Guernsey	om	omdo	odoo	o	42	39	•	Trace	Trace	1630	<2100	•



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
1	29th 12.00	"Rainjaur"	NNE	5	o-	41	51	5
2	29th 10.00	"Anglia"	NE'N	6	oph	40	49	8
3	30th 0200	"Brighton"	NNE	5	HR	40	51	7

GENERAL INFERENCE.

The deep depression near Iceland will cause the wind to become fresh to strong from S.W. in the North and gales are not improbable on our N. and N.W. Coasts. Some rain is likely in the North before long with a higher temperature than of late, but in the South although the wind will back to West the weather will be mainly fair today.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 30th November, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light to moderate northwesterly wind, backing to West or S.W; fair and rather cold today, unsettled and milder tomorrow; some mist or fog at night.	None issued. ----
5. S.W. England 6. South Wales	Light to moderate northwesterly wind, backing to W. or S.W.; fair and rather cold today, unsettled and milder tomorrow; visibility mainly good.	▼ South Cone hoisted 0930 G.M.T. 30/11/23.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind W. to S.W., becoming fresh to strong; fair to cloudy then dull; some rain before long; visibility good to moderate; milder.	
11. E. Scotland ▼ 12. S.W. Scotland ▼ 13. Isle of Man 14. N.&N.W. Scotland ▼ 15. Hebrides ▼ 16. Orkneys and Shetlands ▼ 17. N.W. Ireland ▼ 18. N.E. Ireland ▼	Fresh to strong southwesterly wind, probably reaching gale force in exposed places later; much cloud, some rain; visibility good to moderate; milder.	
19. S.E. Ireland 20. S.W. Ireland	Wind S.W., moderate to fresh; fair at first, some rain later; visibility moderate or good; milder.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0930 G.M.T. G. C. Simpson, F.R.S., Director.

† For Code see opposite page

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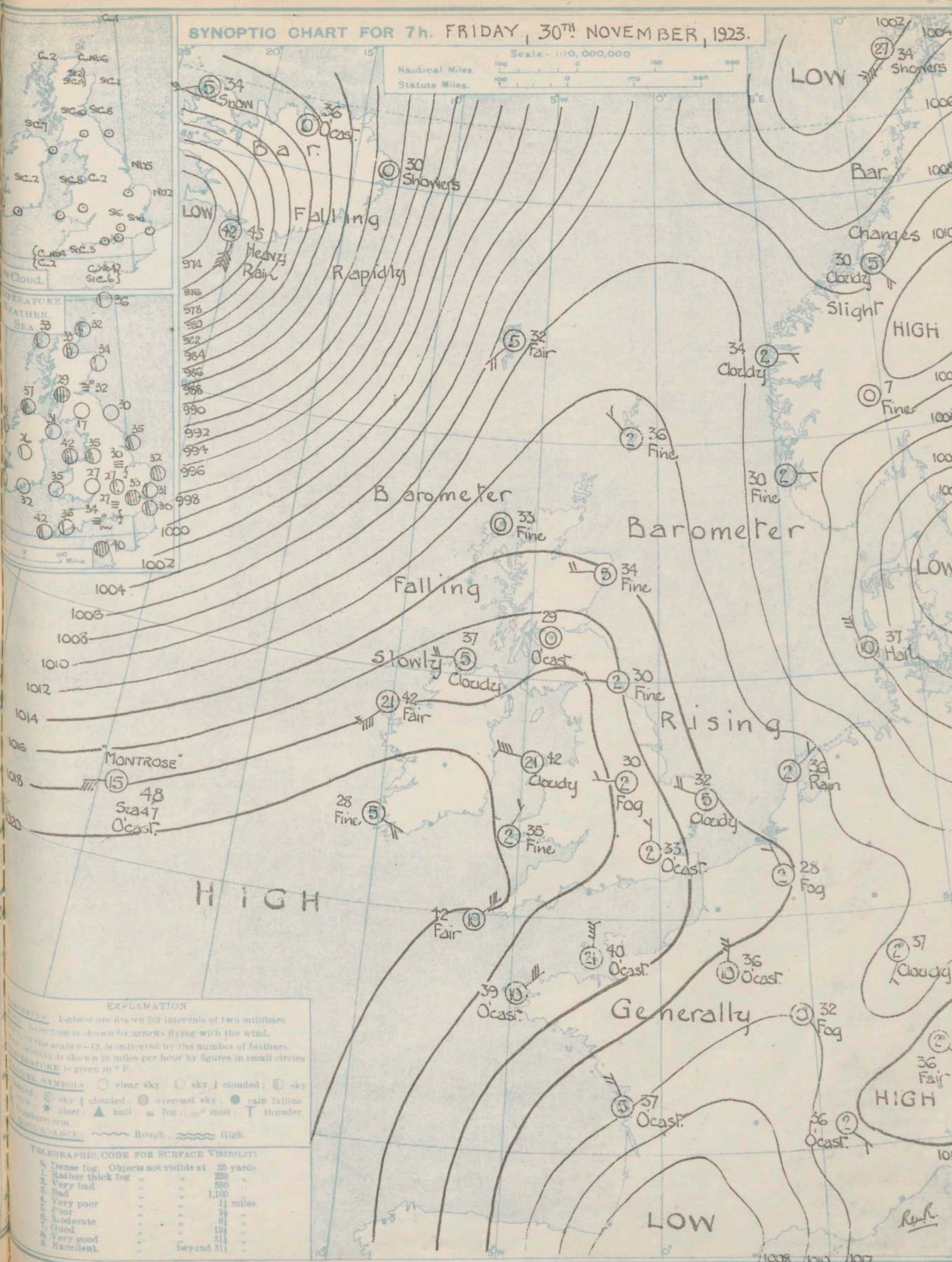

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Friday, 30th November 1923. No. 334.

STATIONS.	Height above M.S.L. in feet.	Observations at 0100 G.M.T. 30th: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10
Lerwick	54	1010·6	+2	N	2	cjb	39	92	7	4000	CuNb	5	ASt	7
Stornoway	51	1015·3	+2	N	2	D-	•	•	6	•	•	•	•	•
Wick	81	1012·3	+1	NW	3	cps	34	85	8	1500	CuNb	7	-	7
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1015·9	+2	S	1	bc/r	39	97	8	4000	Cu	4	ACu	6
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1014·0	+2	SW	2	mb+	32	92	4	•	-	0	-	0
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1014·2	+2	W	1	b/h	32	85	7	-	-	0	-	0
Blacksod Point	10	1019·5	+1	-	0	0	40	92	7	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1017·9	+4	N'E	3	b	41	85	8	2500	Cu	2	•	2
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1012·4	+4	NNW	4	bc	35	97	7	4000	Nb	6	-	6
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1014·0	+4	NNW	4	o+	32	97	6	2500	StCu	9	-	9
Gorleston	13	1010·3	+2	NW	2	bc	35	92	7	4000	Cu	1	CuSt	6
Valencia (Cahirciveen)	30	1020·2	+1	-	0	b	37	85	8	-	-	0	-	0
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1016·4	+4	E	2	b	34	85	8	-	-	0	-	0
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	550	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	250	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	35	•	•	•	•	•	•	•
Croydon	244	1012·5	+3	N	3	0	35	92	5	800	Nb	10	-	10
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1011·3	+5	N	5	0	33	92	5	225	St	10	-	10
Scilly (St. Mary's)	131	1014·7	+4	N	3	c	41	85	8	4000	Cu	7	-	7
Falmouth (Pendennis)	200	1014·0	+3	NNE	3	b-	36	85	8	5700	StCu	3	-	3
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1012·0	+6	NNE	2	b	36	75	7	-	-	0	-	0
Southampton (Calshot)	12	1014·2	+6	N'W	4	o+	36	92	7	1500	StCu	9	-	9
Dungeness	21	1010·9	+4	NNE	3	c-	34	97	7	2500	St	7	-	7
Guernsey														

STATIONS.	Observations at 0700 G.M.T. 30th: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sta. 0-9
Lerwick	1011·6	0	NW	1	b	36	85	7	4000	Cu	1	-	1	0
Stornoway	1013·6	+2	-	0	b	33	85	8	4000	Cu	2	-	2	0
Wick	1013·1	0	WNW	1	bc	32	97	8	2500	CuNb	6	-	6	0
Castlebay	1014·1	-0	[illegible]	0	bc	37	85	8	1500	Cu	4	-	4	0
Nairn	1014·3	•	-	0	bc+	33	85	8	1500	StCu	6	-	6	•
Aberdeen	1014·0	+1	W	2	b	34	85	7	4000	StCu	1	-	0	0
Malin Head	1016·1	0	W	2	c	37	97	8	5700	StCu	7	ACu	8	1
Renfrew	1016·7	+1	-	0	o+	29	97	5	5700	StCu	10	-	10	•
Edinburgh (Inchkeith)	1015·5	+2	NSW	2	mc-	32	85	6	•	StCu	8	-	8	0
Leuchars	1014·8	+2	WNW	2	c	30	75	8	5700	StCu	7	-	7	•
Eskdalemuir	1018·2	+2	-	0	b	17	85	7	-	-	0	-	0	•
Tynemouth	1016·0	+2	W	1	b	30	85	6	-	-	0	-	0	0
Blacksod Point	1017·8	0	SW	5	bc	42	85	7	•	•	•	•	6	5
Donaghadee	1017·9	+1	W	2	b	31	85	8	-	-	0	-	0	2
Birr Castle	1020·6	•	NW	1	b+	26	97	4	2500	StCu	2	-	2	•
Holyhead	1019·0	+3	W'N	5	c	42	75	8	4000	StCu	8	-	8	4
Liverpool (Bidston)	1018·8	+1	W	1	bc+	35	92	5	4000	Cu	2	ASt	4	2
Chester (Shotwick)	1018·3	+3	WNW	2	b+	29	~~85~~ 81	5	5700	StCu	3	-	3	•
Spurn Head	1016·4	+4	WNW	4	bc-	35	92	7	4000	Nb	5	-	5	4
Birmingham (Edgbaston)	1018·5	+3	NW	3	ffb	30	85	3	-	-	0	-	0	•
Nottingham	1017·6	+4	W	1	ffb	30	92	2	-	-	0	-	0	•
Cranwell	1017·4	+3	NW'N	3	b	31	92	6	4000	StCu	1	-	1	•
Gorleston	1015·7	+3	WNW	2	c	32	85	7	4000	Nb	2	ASt	7	0
Valencia (Cahirciveen)	1021·6	+1	ESE	2	b	28	97	8	-	-	0	-	0	3
Roches Point	1021·4	+1	N	1	b	32	97	7	-	-	0	-	0	0
Pembroke (St. Ann's H.)	1019·8	+3	NNE	1	b	35	85	8	-	-	0	-	0	2
Ross-on-Wye	1018·7	+3	-	0	b	27	92	6	-	-	0	-	0	•
Leafield	1018·0	+3	NNW	2	fbc	27	85	3	4150	St	6	-	6	•
Andover	1018·1	+4	N	3	b	31	85	5	800	St	1	-	1	•
S. Farnborough	1017·6	+4	WNW	2	mb-	29	97	4	-	-	0	-	0	•
London (Kew Obsy.)	1017·5	+5	N	1	o	33	92	4	1500	St	10	-	10	•
Croydon	1017·4	+5	NNW	1	o	31	97	4	450	St	10	-	10	•
Clacton-on-Sea	1015·4	+5	NW	2	b	31	85	6	-	-	0	ASt	3	0
Shoeburyness	1016·7	+6	NW	2	mo-	30	85	5	5700	StCu	10	-	10	
Grain	1016·8	+5	NW	4	b	30	92	6	800	St	1	Ci	2	0
Lympne	1015·6	+4	N	4	c-	31	92	6	450	St	6	Ci	7	•
Scilly (St. Mary's)	1019·1	+4	NE	3	bc-	42	75	8	4000	CuNb	6	-	6	3
Falmouth (Pendennis)	1020·0	+6	N	2	b	35	85	8	5700	StCu	3	-	3	0
Plymouth (Cattewater)	1018·8	+5	NNW	1	b	33	92	7	-	-	0	-	0	0
Portland Bill	1017·1	+6	NNE	2	mmb	34	75	5	-	-	0	-	0	0
Southampton (Calshot)	1018·0	+5	N	3	b	33	85	5	-	-	0	-	0	0
Dungeness	1016·1	+5	N	3	bc	30	97	7	-	-	0	ACu	4	4
Guernsey	1016·8	+7	N	5	o	40	85	7	2500	StCu	10	-	10	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 29th Nov.

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 28th-29th °F.	Temperature. Max. Day. 29th °F.	Rainfall.† Night 17h.-9h. 28th-29th mm.	Rainfall.† Day 9h.-17h. 29th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 29th hr.
Montrose	opc	cbcb	33	37	2	-		2·2
Berwick-on-Tweed	phcv	prcro	35	41	1	0·1		0·5
Llandudno	odo	c	37	41	1	0·2		-
Colwyn Bay	c	c	36	40	1	-		-
Rhyl	c	c	37	40	2	-		-
Southport	coc	cbcb	34	38	-	-		-
Blackpool	o	c	35	38	-	-		-
Ilkley	oxmrs	c	32	35	2	1		-
Harrogate	ops	opsc	31	34	4	3		-
Skegness	roc	coro	33	38	4	1		1·1
Aberystwyth	occ	b	34	40	-	-		2·7
Bath	mo	om	34	37	-	-		-
Leamington Spa	o	o	34	37	0·1	-		-
Lowestoft	bcbcbc	cbccb	31	39	2	0·2		5·8
Felixstowe	of	ofb	31	35	3	-		-
Southend	mo	o	32	36	3	-		0·1

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 28th-29th °F.	Temperature. Max. Day. 29th °F.	Rainfall.† Night 17h.-9h. 28th-29th mm.	Rainfall.† Day 9h.-17h. 29th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 29th hr.
Ilfracombe	oo	co	~~39~~ 34	42	-	-		0·9
Bude	o	o	30	40	-	-		1·9
Torquay	c	c	30	38	0·1	-		0·1
Weymouth	xo	o	28	38	-	-		-
Bournemouth	o	o	29	35	0·5	-		0·2
Portsmouth (S'thsea)	ofbcm	om	30	38	-	-		1·7
Littlehampton	bcmom	cm	33	37	0·2	-		0·7
Worthing	cbc	bc	33	38	-	-		1·5
Brighton	ocbc	ccoo	32	38	0·5	-		2·0
Eastbourne	o	o	32	36	0·3	-		-
Hastings	omo	oco	31	35	2	-		-
Folkestone	s	o	28	38	3	-		0·4
Dover	om	om	33	37	3	-		-
Tunbridge Wells	omo	oom	32	35	3	-		-
Ramsgate								-
Margate	o	o	34	39	1	-		-
Deal	o	o	33	38	1	-		

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Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION. CORRECTIONS AND ADDITIONS, November 1923.

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.
1st	Plymouth 1300	Cloud Cu Nb H - H
	Westminster	Min 44° Grass Min 39°
	Dungeness 0100	Cloud a St 10
	Aberdeen	Max 56°
	Holyhead	Past Weather 13-18hr b bc c o
2nd	Birmingham 1300	Bar Change -3
	Dungeness 1300	Cloud CuNb 3 a St 10
	Birr Castle 1800	Vis 5
	Birmingham 1800	Weather ffo.
	Gorleston 0100	Cloud St 9 - 9
	Donaghadee 0700	Hum 97%
	Plymouth 0700	" 85%
	Leamington Spa	o c b cf 41. 54 - - 42
	Birr Castle	Grass Min 29
	Andover	Min 35° Grass Min 30°
3rd	Castlebay 1800	Weather o r r
	Kensington Palace	Min 43°
	Pembroke 0100	Wind SW'W 5
	Holyhead 0700	Bar change -3
	Brain 0700	" " -5
	Scilly 0700	Temp 54°
	Stornoway	Sun 4.1 hrs
	Edinburgh	Rain (night) 2 mm
	Blacksod Pt	Min 35°
	Birr Castle	Max 53° Rain (day) 1mm
	Holyhead	Past Weather 1-7hr o r o d o
	Croydon	Sun 5.3 hrs
	Shoeburyness	" 3.6 -
4th	Calshot 1300	Vis 6
	Pembroke 1800	Bar 1010.6 mb
	Westminster	Mx 58° Mn 43 Grass 38° Rain 1 Sun 0.0 hrs
	Renfrew 0700	Bar 994.8 mb
	Donaghadee 0700	Temp 42°
	Holyhead 0700	Weather bqr
	Leafield 0700	Cloud a Cu 1
5th	Blacksod Pt	Max 53°
	Stornoway 1300	Weather bcpr
	Birr Castle 1300	Cloud 4000' St 6 - 6
	Chester 1300	Bar 1006.5mb
	Pembroke 1300	Hum 75%
	Calshot 1300	Cloud Cu 7
	Stornoway 1800	Weather bcpr
	Cattewater 1800	Weather bqp Hum 85% Cloud 2500' Cu Nb 2
	Cranwell 0100	Cloud 5000' St 2 - 2
	Birr Castle 0700	Wind SW
	Guernsey 0700	Bar change -4 Weather cpr.
	Folkestone	b. bc. 40 53 0.2 - 8.3
	Renfrew	Past Weather 7-13hr o PH c q Mx 45°
	Birr Castle	Grass Min 29°
	Holyhead	Weather 18-1hr PRHq
6th	Holyhead 1300	Cloud Cu 3
	Plymouth 1300	Bar change -6
	Donaghadee 1800	Temp 39°
	Croydon 1800	Bar change -2.
	Castlebay 0700	Temp 36°
	Birr Castle 0700	Cloud height 1500'
	Colwyn Bay	bc. bc. 32. 50.
	Southport	Min 40°
	Harrogate	- 37° Max 43°
	Lerwick	Sun 3.8 hrs
	Lympne	Rain (night) 0.2 mm.
7th	Nottingham 1300	Vis 5
	Scilly 1300	Hum: 75%
	Chester 1800	Temp 35°
	Portland Bill 0700	Wind NNW 2.
	Dungeness 0700	Hum: 97%
	Southport	Min 38° Max 43°
	Falmouth 0700	Bar 1016.1 mb
	Holyhead	Weather 7-13hr r PH bc.
	Croydon	" " b. bcfm
8th	Sporn Hd 1300	Cloud 4000'
	Gorleston 1300	Hum: 85%
	Castlebay 1800	Weather op
	Scilly 1800	Wind WNW 3
	Hampstead	Min 30°
	Dungeness 0100	Temp 36°
	Leuchars 0700	- 42° Cloud St 8 a St 10
	Falmouth 0700	Wind SE 1
	Plymouth 0700	Temp 34°
	Croydon	Weather 1-7hr bmx.
9th	Cranwell 1300	Wind SSW 5
	Castlebay 1800	Weather op
	Croydon 1800	Cloud St Cu 4 - 4
	Calshot 1800	Sea 0
	Cranwell 0100	Bar 990.9 mb.
	Holyhead 0700	" 998.5 -
9th	Lerwick 0700	Temp 46°
	Pembroke 0700	" 44°
	Kew 0700	Bar 997.3 mb
	Leuchars	Weather 18-1hr bx bc c o
	Tynemouth	Min 32°
	Birr Castle	Max 46° Min 37°
	Calshot	Sun 6.3 hrs.
10th	Aberdeen 1300	Wind E
	Birmingham 1300	Bar: 998.9 mb.
	Nottingham 1300	" 998.2 "
	Nairn 1800	Cloud Cu 2
	Renfrew 1800	Vis 5
	Birr Castle 1800	Cloud St Cu 9
	Cranwell 1800	Weather o
	Clacton-on-Sea 1800	Wind E. 5
	London Observatory	24 hours ended 0900 G.M.T. 10th
	Regent's Park	Sun 0.1 hrs.
	Leafield	0700 Cloud St 10
	Shoeburyness 0700	Temp 44°
	Holyhead	Weather 18-1hr o q b y ob 9th
	Cranwell	- 7-13 - c. o f r s.
	Gorleston	Min 35°
	Croydon	Weather 13-18hr bczmf.
11th	Holyhead 1300	Cloud a St (Cu 2. a St 3)
	Nottingham 1300	Wind E
	Clacton 1800	Bar 1025.0 mb.
	Westminster	49. 35. 32. - - 3.0. 67% 78%
	Camden Square	bcobc. b. + 50 34. 29 - - + 81%
	Leamington Spa	bc. bcorm 33. 47. 0.1 0.1 . b.0
	Nairn	Max 44°
	Aberdeen	Weather 7-13hr bx c o m. 1-7hr o m bc. c. Sun 1.4 hrs.
	Chester	Weather 13-18hr bcmf bf
	Birmingham	Time of rain 1080
	Cranwell	Min 27°
	Croydon	Max 47°
12th	Aberdeen 1300	Hum: 92%
	Chester 1300	Temp 45%
	Plymouth 1300	Hum 65%
	Dungeness 1300	Temp 49°
	Castlebay 1800	Vis 3
	Birr Castle 1800	Vis 4
	Nottingham 1800	Temp 37°
	Valencia 0100	Hum 97%
	Falmouth 0100	Wind NNE
	Donaghadee 0700	- SW 2
	Shoeburyness 0700	Bar 1019.2 mb.
	Liverpool	Sun 0.2 hrs
	Ross-on-Wye	Weather 7-13hr Fx bm c m
	Plymouth	- 18-1hr b.
13th	Brain 1300	Cloud a St 7.
	Renfrew 1800	- 2500 St Cu 9 - 9
	Kensington Palace	51 33. 33 - 0.5 ± 85% 80%
	Chester 0700	Cloud Nb 8 a St 10
	Ross-on-Wye 0700	Weather o
	Colwyn Bay	bc. c r 43. 58. - 3 0.1
	Aberdeen	Grass Min 35°
	Leuchars	Weather 13-18hr o a bc. 1-7hr o. c s r s.
	Tynemouth	Min 42°
	Chester	Time of rain 1230.
	Leafield	Min 43°
	Kew	Grass Min 39°
	Shoeburyness	Sun 5.3 hrs
	Lympne	Grass Min 39° Rain (night) trace
	Dungeness	Max 50° Min 47°
14th	Castlebay 1300	Wind E. 2.
	Falmouth 1300	" SW. 8.
	Dungeness 1300	Weather o - Cloud Nb 6 a St 10.
	Holyhead 0100	Hum. 75% Vis 8.
	Gorleston 0100	Weather o r o r o
	Valencia 0100	Bar: 991.2 mb
	Dungeness 0100	Cloud St 10 - 10.
	Castlebay 0700	Bar 977.8 mb.
	Stornoway	Rain (night) 6mm
	Aberdeen	Weather 18-1hr r o.
	Donaghadee	Rain (night) 3 mm.
	Sporn Hd	Min 44°
	Cranwell	Weather 18-1hr r w d.
	Leafield	Min 34°
15th	Stornoway 1800	Bar change +5 Temp 36° Hum 85% Vis 7 Cloud 4000 Nb 6 - 6
	Malin Hd 1800	Temp 37°
	Birmingham 1800	Bar 997.4 mb
	Blacksod Pt 0700	Bar change +2
	Ross-on-Wye 0700	" " -9
	Rhyl	Max 51°
	Torquay	Night rain 16 Day rain nil.
	Aberdeen	Grass Min 18°
15th	Leuchars	Weather 7-13hr b bc
	Blacksod Pt	Max 45°
	Birr Castle	Time of rain 0630
	Chester	Weather 1-7hr bc c o Sun 6 1hrs
	Valencia	Rain (night) 12 mm
16th	Eskdalemuir 1300	State of ground 8
	Gardmor 1300	Weather b f r
	Dungeness 1300	Bar 991.2 mb
	Eskdalemuir 1800	Wind SSW.
	Gorleston 1800	Cloud 2500 Nb 10
	Portland Bill 0100	Bar change +10
	Southport	Rain (night) 1 mm
	Chester	Max 48°
	Eskdalemuir	Rain (day) 14 mm
	Plymouth	- - 5 -
17th	Andover 1300	Wind WSW
	Nairn 0700	Bar 985.5 mb Hum 98% Vis 8
	Birmingham 0700	Bar 996.5 - Wind SW.
	Eskdalemuir	Max 57° Sun 4.3 hrs
	Leafield	Sun 5.4 hrs
18th	Eskdalemuir 1300	Bar change +2
	Westminster	46. 35 27 - 2.9 63% 68%
	Hampstead	Sun 3.9 hrs.
	Pembroke 0100	Cloud 2000' St Cu 7
	Renfrew 0700	Vis 8
	Pembroke 0700	Sea 6.
	Cranwell	Sun 2.9 hrs
	Lympne	Rain (day) 2 mm.
19th	Dungeness 1300	Wind NW 3
	Eskdalemuir 1800	Bar. 996.3 mb.
	Plymouth 1800	Wind W.
	Dungeness 0100	Cloud St Cu 2 - 2.
	Tynemouth 0700	Cloud 1500 Cu Nb 3 a 5
	Cranwell 0700	Temp 36°
	Plymouth 0700	" 44° Hum 92%
	Bude	p c p r p r h c 38. 44. - 3 3.2
	Leuchars	Weather 7-13hr o o 1-7hr c
	Chester	Time of rain 1130
	Sporn Hd	Rain (day) 0.5 mm
	Pembroke	Sun 3.7 hrs
20th	Donaghadee 1300	Temp 45°
	Nairn 1800	Weather b Temp 35°
	Kensington Palace	Min 30°
	Gorleston 0100	Hum 85%
	Birr Castle 0700	Bar 1009.4 mb
	Ross-on-Wye 0700	Wind SW'S 2
	Stornoway	Rain (day) 2 mm.
	Renfrew	Weather 7-13hr b m bc.
	Donaghadee	" 18-1hr b c g p S Max 46° Min 39°
	Holyhead	Min 41° Time of rain 0330.
	Birmingham	Min 33° Grass Min 29° Sun 1.0 hrs
21st	Croydon	Radio 0100 c. 5. - 65°
	Sporn Hd 1800	Bar 999.0 mb
	Leafield 1800	Cloud 4150 St 10 - 10
	Blacksod Pt 0100	Wind - o
	Stornoway 0700	" N 1
	Plymouth 0700	Bar change +2
	Southport	Rain (day) 0.4 mm
	Aberdeen	Sun 0.9 hrs
	Chester	Time of rain 1100
	Ross-on-Wye	Weather 1-7hr o m. c m Rain (night) nil
	Gorleston	Min 33°
	Falshot	Max 41°
22nd	Aberdeen 1300	Bar 1005.9 mb
	Birr Castle 1300	Vis 2
	Birmingham 1300	Temp 38°
	Castlebay 1800	Bar 1010.3 mb
	Birmingham 1800	Temp 37°
	Westminster	Max 42°
	Leafield 1800	Weather m m b Cloud - - o - o
	Torquay	Min 32°
	Leuchars	Weather 7-13hr c x.
	Blacksod Pt	" 1-7hr b. bc.
	Cranwell	Min 33° Rain (night) 1mm
	Roches Pt	- 38°
	Andover	Rain (day) 1mm <0800
23rd	Sporn Hd 1300	Hum 75%
	Nottingham 1300	- 85%
	Gorleston 1300	- 92%
	Falshot 1300	Temp 38°
	Holyhead 1800	Bar. 1011.1 mb
	Dungeness 1800	Wind N
	Eskdalemuir 0700	Bar. 1014.0 mb Hum 85%
	Rhyl	Min 29° Max 42°
	Renfrew	Max 42°
	Birr Castle	Grass Min 17° Rain (night) - Sun 0.0

± The barometric change is expressed in half millibars.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, November, 1923.

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.
24th	Ross-on-Wye 1300	State of ground 6
	Andover 1300	Wind NNE 3
	Holyhead 1800	Temp 40°
	Pembroke 1800	Bar 1016·0 mb
	Dungeness 1800	Wind NNE
	Holyhead 0700	Wind NE 4
	Croydon 0700	Bar 1019·0 mb Hum 92%
	Stornoway	Cloud St 10 – 10.
	Malin Hd	Min 30°
		Rain (day) 1mm
	Holyhead	Weather 1-7hr PH.
	Blacksod Pt	Max 42°
25th	Kew 1300	Wind NW'N
	Westminster	34 27 31. – – 0·0 hrs
	Camden Square	0 of 33. 27. 28. – – 100%
	City	Sun 0·0 hrs
	Hampstead	– 0·0 –
	Holyhead 0100	Bar 1022·0 mb.
	Cranwell 0700	Wind WSW
	Clacton 0700	Hum 100%
	Ilfracombe	bz bz 33 42 – – 5·2 hrs
	Folkestone	xmoc bc 33 43 – – 4·4 –
	Aberdeen	Max 34°
	Eskdalemuir	Min 14°
	Blacksod Pt	Max 41° Min 40° Rain (night) 0·3
	Gorleston	Min 26° Grass Min 23°
26th	Stornoway 13hr	Bar 1007·5 mb.
	Birr Castle 18hr	Bar 1013·9 –
	Croydon 18–	Vis: 0 Weather FF0
	Calshot 13hr	State of ground 0
	Westminster	Max 29°
	Kensington Palace	Min 27° Grass Min 25°
	Aberdeen 0700	Temp 31°
	Gorleston 0700	Hum: 85%
	Grain 0700	– 97%
	Calshot 0700	Bar 1013·9 mb.
	Eskdalemuir	Max 37° Rain (day) 1mm.
	Pembroke	Sun 6·0 hrs
27th	Castlebay 13hr	Weather 0
	Birr Castle 18hr	Cloud Nb 10
	Holyhead 18–	Wind SE 4
	Westminster	Max 28° Grass Min 24°
	Malin Hd 1hr	Bar 1005·3 mb
	Dungeness 1hr	Cloud Cu Nb 7
	Castlebay 7–	Wind SSW
	Health Resorts	Date of Sunshine 26th
	Plymouth	Sunshine 5·7 hrs.
28th	Birr Castle 18hr	Bar 1005·6 mb
	Liverpool 13–	Temp 33°
	Ross-on-Wye 18hr	Cloud – – 0 Cu St 8.
	Croydon 13hr	Wind ENE
	Dungeness 13–	Hum 92%
	Plymouth 18hr	Temp 38° Vis 7
	Portland Bill 18–	Vis 7
	Westminster	Max 35° Rain (night) –
	Dungeness 18hr	Bar 1008·7 mb.
	Stornoway 7–	Temp 37°
	Chester 7hr	Bar 1006·3 mb.
	Pembroke 7–	Sea 4.
	Kew 7hr	Wind NE'E
	Falmouth 7–	Bar 998·7 mb
	Castlebay	Min 37°
	Holyhead	Weather 7-13hr c.o
	Cranwell	Max 33°
29th	Gorleston 18hr	Weather 0 to 6
	Westminster	Min 34°
	Hampstead	Rain 1mm & 1mm.
	Aberdeen 7hr	Bar 1009·0 mb.
	Cranwell 7–	" 1002·5 "
	Shoeburyness 7hr	" 1001·3 –
	Stornoway	Min 25°
	Cranwell	Grass Min 27°
	Croydon	Weather 18-1hr of 50%
	Grain	Max 39°
	Dungeness	" 39
30th	Malin Hd 18hr	Temp 36°
	Leuchars 18–	Bar 1012·2 mb.
	Holyhead 1hr	Hum 75%
	Chester 7–	Hum 91%
	Ilfracombe	Min 34°
	Malin Hd	– 33°
	Leuchars	Weather 13-18hr 0.b bx.
	Spurn Hd	Min 34°
	Roches Pt	Rain (night) 0·1mm.
	Portland Bill	Max 38°

II.—ADDITIONS.

Report for	STATION.	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun 0-8	Summaries for the Past 24 Hours. Weather. 7h.-13h.	Weather. 13h.-18h.	Weather. 18h.-1h.	Weather. 1h.-7h.	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass.	Rainfall.† Day. 7h.-18h.	Rainfall.† Night. 18h.-7h.	Rainfall.† Precipitation began.	Sun Hours
4th	Plymouth 0700	1000·2	-4	–	0	cjp	40	85	5	<150	St	8	–	8	0			orrc.b	crox	51	39	24		2	<2100	4·3
11th	Lerwick "	1012·2	-2	W	2	ocp	48	92	6	4000	Nb	3	a.St	10	1				o	48	46			2	<2100	0·0
	Plymouth "	1026·7	0	N	3	b	37	85	8	–	–	0	–	0	0			b	b	48	37	25		–	–	8·3
14th	" 1800	994·8	-7	SW'S	7	orr	51	97	6	800	Nb	10	–	10	5		orrq						6		<0800	
	" 0700	992·8	+8	W'N	5	b	45	75	8	2500	Cu Nb	2	–	2	1			or	or	52	44	32		11	<2100	0·0
16th	Spurn Hd 0100	976·6	+4	W	7	b	42	85	7	–	–	0	–	0	x			oprbqb								
	" " 0700	991·9	–	W'N	7	b	41	75	6	–	–	0	–	0	5			–	bc	45	41	40		1	–	0·8
17th	Dungeness 1300	1003·9	–	W	6	b	50	75	8	4000	Nb	3	–	3	x	b.bc.										
20th	Valencia 0100	?	-1	NW	2	bc	42	92	8	–	Cu Nb	4	–	4	x											
26th	Andover 0700	1014·7	-3	–	0	b	17	97	5	4000	St Cu	1	–	1	x			offx	ffxbmx		15	10		–	–	0·0
27th	Lerwick 0100	1010·6	-3	SSE	3	or	42	92	5	4000	Nb	10	–	10	x			orh								
	" 0700	1009·8	+2	–	0	opr	41	92	6	4000	Cu Nb	6	a.St	10	0				opr	41	35		·	7	<2100	0·2
28th	" 1800	1012·9	?	–	0	o	41	92	7	–	–	0	a.St	10	0		0						Trace		–	
	" 0100	1013·4	+1	NE	1	o/r	40	85	7	5700	St Cu	5	a.St	10	x			omr								
	" 0700	1013·2	0	S	1	o	40	85	6	–	–	0	a.St	10	0				opr	42	38			3	–	0·1
29th	Castlebay 0700	1010·0	+1	N	2	c	40	85	8	4000	St Cu	6	–	8	1			b.op	op.c.	43	39			0·5	–	3·1
30th	" 1300	1012·5	+2	NW	2	b	43	75	8	4000	Cu	1	–	1	x	b										
	" 1800	1014·4	+3	–	0	b	37	85	8	–	–	0	–	0	0		b						–		–	
	" 0700	1014·1	0	–	0	bc	37	85	8	1500	Cu	4	–	4	0			b.rsc	c.bc.	43	36			0·2	–	5·6
25th	Plymouth 0700	1021·9	+1	NNE	1	b	31	92	6	–	–	0	–	0	0			b	b		30	17		–	–	

‡ The barometric change is expressed in half millibars.

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