M.O. FORM 2373

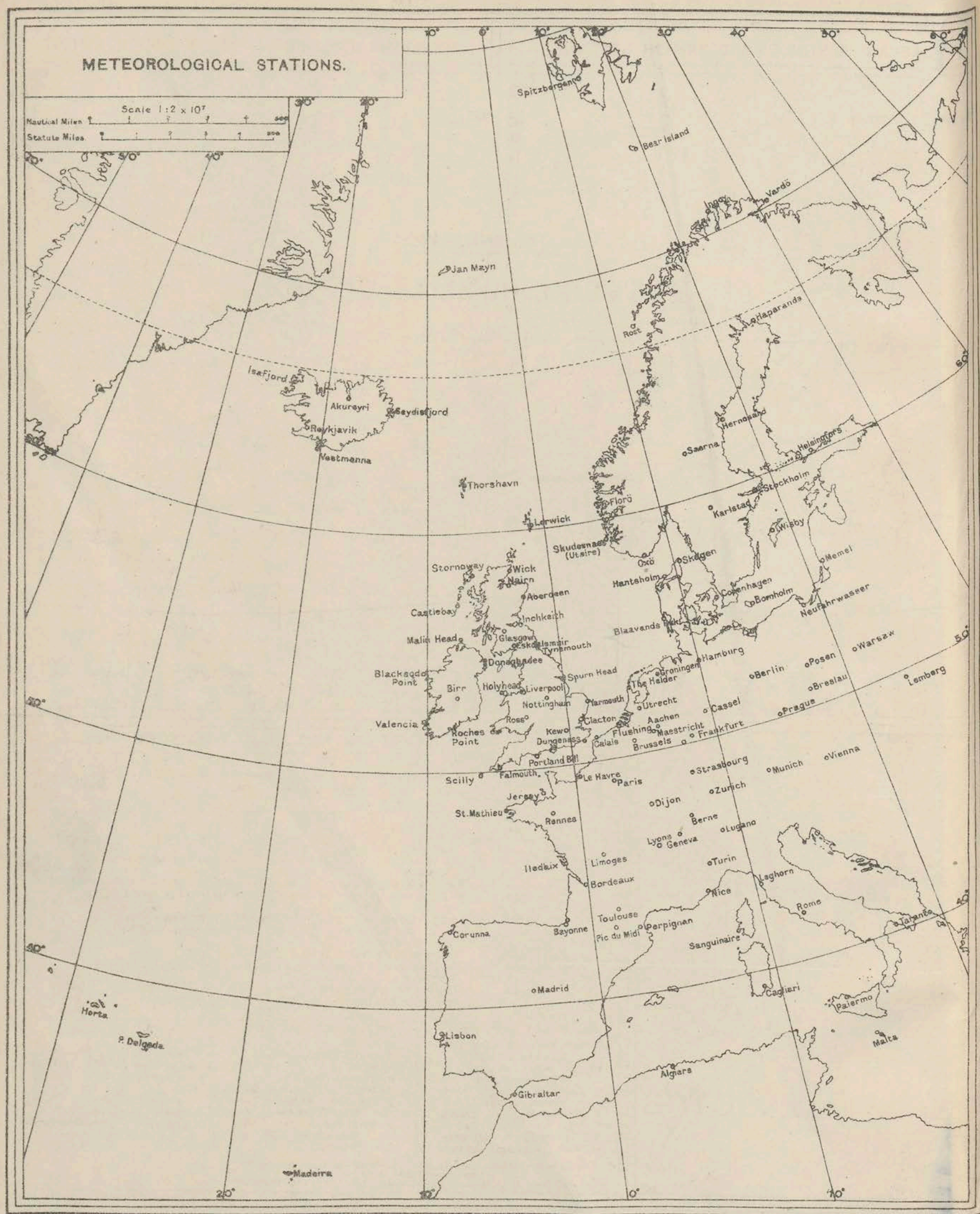
AIR MINISTRY.

METEOROLOGICAL OFFICE.

LONDON.

DAILY WEATHER REPORTS

1ST. OCTOBER TO 31ST. DECEMBER, 1922.



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

P.S. 2071/649. Wt. 7487. D. 7361/pr. 1081. 750. 1/23.

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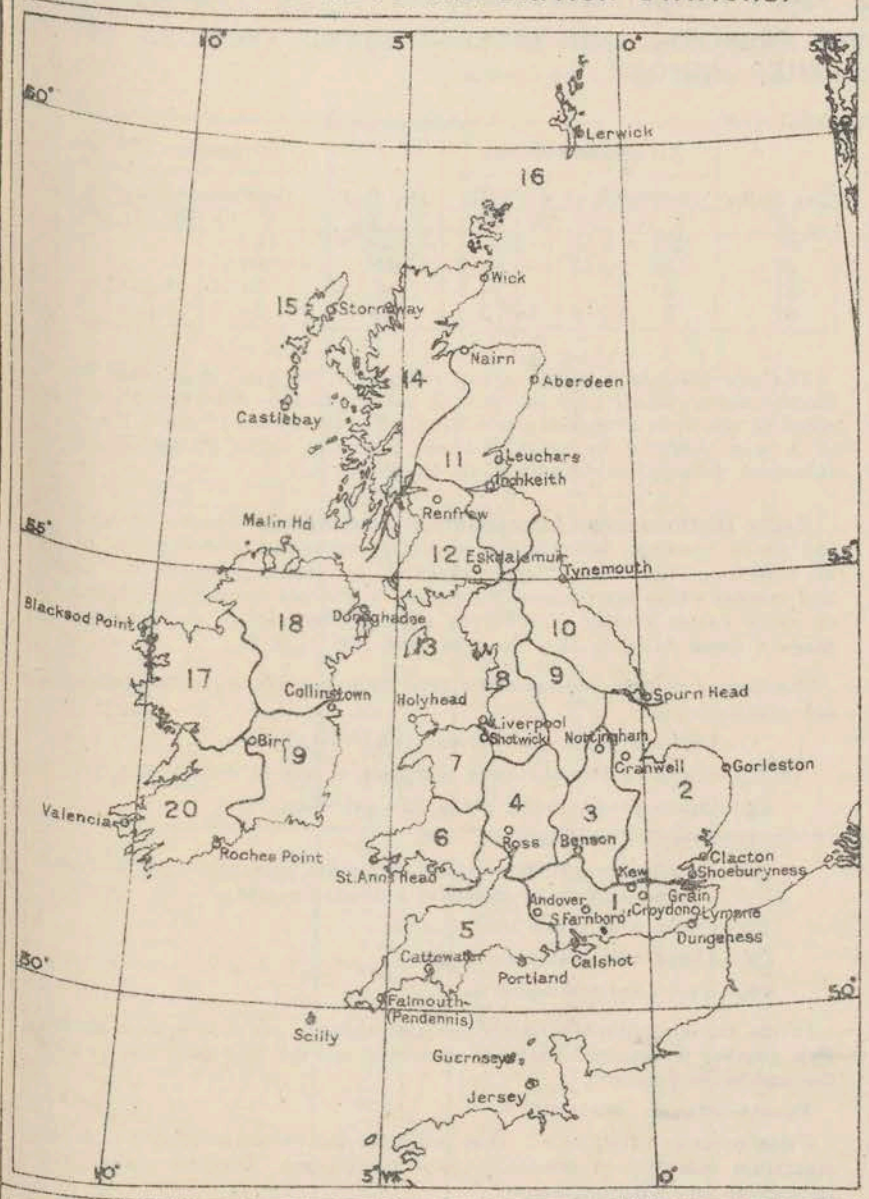
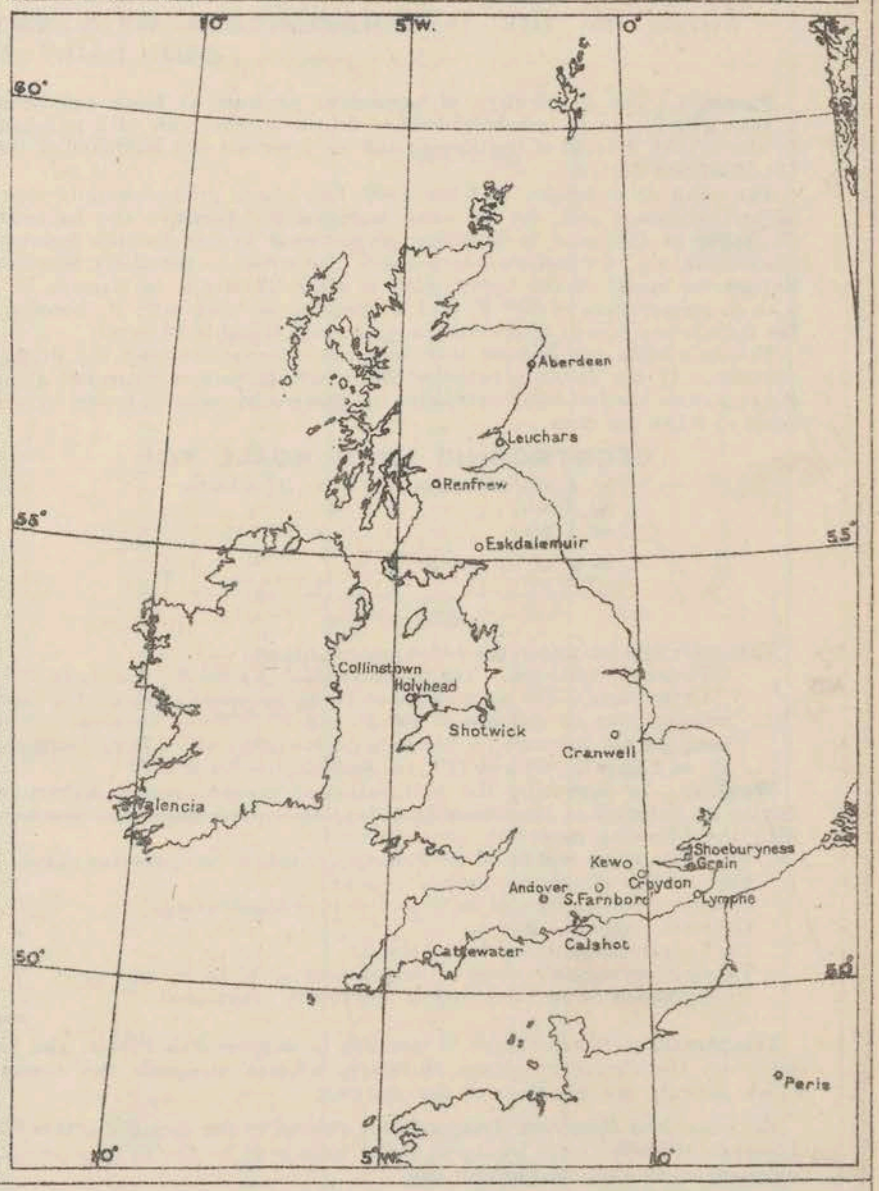
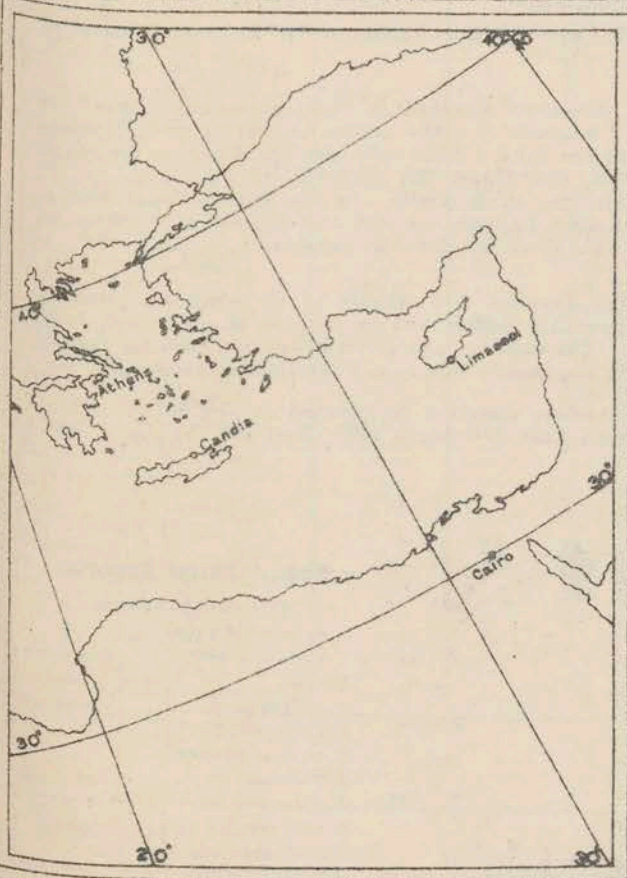
FORECAST DISTRICTS AND BRITISH STATIONS.



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.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three quarters covered).
o overcast sky. d drizzle.
f fog. h hail.
KQ line squall. l lightning.
m mist. p passing showers.

BEAUFORT NOTATION.

q squalls. r rain.
rs sleet, *i.e.*, rain and snow.
s snow. t thunder.
v unusual visibility.
w dew. x hoar frost.
y dry air ; humidity less than 60 per cent.
z dust haze ; the turbid atmosphere of dry weather.

WEATHER SYMBOLS.

Clear sky ○ Sky ½ clouded ◐
Sky ¼ clouded ◔ Sky ¾ clouded ◕
Overcast sky ● Rain falling ●
Snow ✳ Sleet ✳
Fog ≡ Hail ▲
Thunder ⊤ Mist ≡°
Lightning ↯ Thunderstorm ⊤↯

Capital letters indicate intensity, suffix $_o$ indicates slight, and repetition of letters continuity, thus :–
R=heavy rain. rr=continuous moderate rain. r_or_o=continuous slight rain.

AIR MINISTRY.

METEOROLOGICAL OFFICE, LONDON.

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

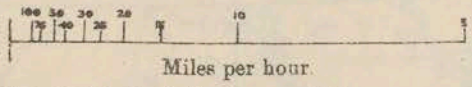
Pressure.—The distribution of barometric pressure at Mean Sea Level is shown by means of isobars which are drawn for intervals of 2 millibars on the British Section of the Report and for intervals of 4 millibars on the International Section.

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. April, 1921, have been for the 22 hour period commencing at 9 am. the previous day.

Upper Air Temperature.—The actual 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.

The new tables for computing relative humidity from readings of dry and wet bulb thermometers exposed on aeroplanes, are based on the formula* $e'' = e' - A\ (t-t')\ \frac{B}{1000}$ where A = 0.37, which differs from the old formula used previously to the 19th September, 1921, only in having a constant 0·37 instead of 0·278. Considerable difference exists between the values for relative humidity given by the two formulæ when the humidity is low: when it is high the differences are slight. The following tables indicate the actual value of these differences, the new formula invariably giving smaller humidities:—

Dry Bulb. °F.	Air pressure 400 mb. Depression of wet bulb. 5°	10°	15°	20°	25°	Dry Bulb. °F.	Air pressure 600 mb. Depression of wet bulb 5°	10°	15°	20°	25°
20	6	10	—	—	—	20	7	15	—	—	—
40	2	4	6	9	—	40	3	6	10	—	—
60	1	2	3	4	5	60	2	3	4	7	7
80	0	1	1	2	2	80	0	2	2	3	4

Dry Bulb. °F.	Air pressure 800 mb. Depression of wet bulb. 5°	10°	15°	20°	25°	Dry Bulb. °F.	Air pressure 1000 mb. Depression of wet bulb. 5°	10°	15°	20°	25°
20	10	—	—	—	—	20	12	—	—	—	—
40	4	9	13	—	—	40	6	11	—	—	—
60	2	4	7	—	—	60	3	6	8	11	—
80	2	2	4	4	5	80	2	3	4	6	6

* e″ = actual pressure of water vapour in the air expressed in the same unit as B
e′ = saturation pressure of water vapour at wet bulb temperature.
t = dry bulb temperature in degrees F.
t′ = wet bulb temperature in degrees F.
B = barometric pressure.

The new formula is based on experiments in the wind channel at South Farnborough, which indicate that A is practically independent of the speed of the wind at speeds above 20 m.p.h. In the old formula, the value of A was obtained by extra-polation from the curve giving its actual values at different wind speeds up to 12 m.p.h.

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.

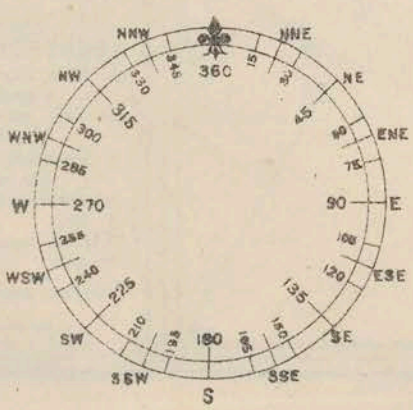
Fifth column. Direction. This indicates the direction from which the maximum intensity of atmospherics is proceeding. Directions are given in degrees (*see* diagram below).

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.

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	1883	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	1905, 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	44·8	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.

Speeds computed for average height of 5 miles for cirro type cloud (double lines) and 3 miles for alto clouds (single line). For scale see p. 2.

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, 1922.

On the last day of October unsettled conditions began to spread over the British Isles as a depression approached from the northwest. By the early hours of Nov. 1st south-westerly gales were blowing near the Cornish coast and Irish Sea and in the course of the day as the system passed east the wind strengthened to gale force generally on exposed parts of the coast. Much rain fell in southern England while the northwesterly gales which prevailed until the evening of the 2nd in the extreme North were associated with showers of snow, hail or sleet in Scotland. Unsettled weather lasted for ten days with heavy rain at times, considerable bright periods and occasional gales in places though less widespread than on the 1st.

A ridge of high pressure spread up from the Azores on the 11th and anticyclonic conditions persisted in most parts of our islands for about a fortnight. During this period inland fog occurred repeatedly, especially in the London area. In the metropolis itself, Tuesday, the 21st, was noteworthy on account of the unusual darkness which developed rather suddenly before ten o'clock and lasted throughout the greater part of the day. There was comparatively little fog near the surface and temperature was above 40° but as there was no wind to carry the smoke away and its vertical motion must have been checked by a mass of low cloud, it formed as it were a black roof over the town.

After the 25th conditions in the eastern districts became less settled under the influence of depressions over Scandinavia. Northerly winds with local showers of snow or sleet on the coast prevailed for a day or two but were replaced by mild westerly winds generally before the end of the month.

Telegraphic Code for Surface Visibility.

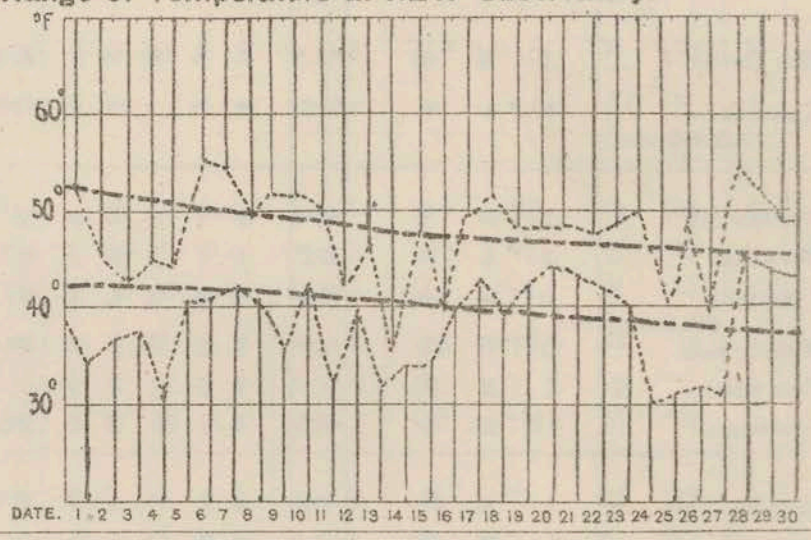
		Land Reports.
0. Dense fog.	Objects not visible at	55 yards.
1. Rather thick fog	" "	220 "
2. Very bad	" "	550 "
3. Bad	" "	1,100 "
4. Very poor	" "	1¼ miles.
5. Poor	" "	2½ "
6. Moderate	" "	6¼ "
7. Good	" "	12½ "
8. Very good	" "	31¼ "
9. Excellent	" beyond	31¼ "

For making reports of visibility a set of "objects" is chosen at each station at certain specified distances. The degree of visibility is judged by noting the most distant of these objects which can be seen at the time of observation.

Daily Range of Temperature at KEW Observatory.

The upper pecked curve indicates the maximum temperature recorded each day throughout the month between 7h. and 18h.; the lower curve indicates the minimum temperature recorded each night between 18h. of one day and 7h. of the next.

The two nearly horizontal chain lines show the normal trend of day maximum and night minimum temperature.



SURFACE VISIBILITY. [No. of observations within fixed limits of telegraphic code.]

STATIONS.	1H.										7H.										13H.										18H.									
	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
Stornoway	0	0	0	0	5	17	5	3	0	0	0	0	0	0	0	3	23	4	0	0	0	0	0	0	0	2	25	3	0	0	0	0	0	1	0	4	22	3	0	0
Aberdeen	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	11	12	7	0	0	0	0	0	1	0	10	10	9	0	0	0	0	0	1	3	8	15	3	0
Edinburgh (Inchkeith) ...	0	0	0	1	0	0	2	11	15	1	0	0	0	1	0	1	4	7	17	0	0	0	0	0	1	1	12	7	3	0	0	0	0	0	0	0	6	8	16	0
Renfrew	*	*	*	*	*	*	*	*	*	*	0	1	0	1	2	4	11	7	2	2	0	0	2	0	2	4	9	8	5	0	0	0	1	0	4	3	14	8	0	0
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	0	0	0	0	4	2	9	12	3	0	0	0	0	1	0	1	7	14	7	0	1	0	0	0	0	2	14	6	7	0
Birr Castle	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	4	18	8	0	0	0	0	1	0	1	0	4	6	18	0	0	0	0	0	0	2	20	8	0	0
Valencia (Cahirciveen) ...	*	*	*	*	*	*	*	*	*	*																														
Tynemouth	0	0	0	0	0	1	22	7	0	0	0	0	0	0	0	5	21	4	0	0	0	0	0	2	2	5	17	4	0	0	0	0	0	1	3	3	21	2	0	0
Holyhead	0	0	0	0	0	1	2	2	23	2	0	0	0	0	0	2	1	5	22	0	0	0	0	0	0	0	3	5	22	0	0	0	0	0	0	1	2	8	16	3
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	0	0	1	0	1	5	5	8	10	0	0	0	0	0	2	5	1	13	8	1	0	0	0	0	1	0	9	11	8	1
Nottingham	*	*	*	*	*	*	*	*	*	*	2	0	4	5	1	9	5	4	0	0	0	1	2	3	3	6	14	1	0	0	1	1	0	1	3	10	13	1	0	0
Cranwell	0	0	0	1	2	8	15	3	1	0	0	1	0	1	2	5	15	6	0	0	0	0	0	0	1	3	18	4	4	0	0	0	1	0	1	8	14	6	0	0
Gorleston	1	0	3	1	1	4	12	8	0	0	0	1	0	1	5	2	15	6	0	0	0	0	0	0	3	7	12	8	0	0	0	1	0	0	1	7	12	9	0	0
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	0	2	0	2	4	2	2	5	12	1	0	1	0	1	1	1	5	4	9	8	0	0	1	2	3	5	3	3	8	5
Benson	*	*		*	*	*	*	*	*	*	0	2	2	3	2	1	9	9	2	0	0	1	1	1	4	3	8	8	4	0	0	1	0	0	4	3	10	5	6	1
London (Kew Obs.)	*	*	*	*	*	*	*	*	*	*	1	2	2	1	3	7	11	3	0	0	1	0	2	3	3	5	12	2	2	0	2	1	0	2	7	10	5	3	0	0
Croydon	3	1	1	0	2	2	16	4	1	0	2	1	1	3	1	5	14	3	0	0	0	3	0	2	5	4	13	3	0	0	1	2	2	5	2	8	8	2	0	0
Grain	*	*	*	*	*	*	*	*	*	*	0	2	0	1	2	6	8	11	0	0	0	1	0	0	1	8	9	8	3	0	1	1	0	0	2	4	10	9	3	0
Lympne	0	4	0	2	2	4	9	8	1	0	0	1	2	1	3	11	7	4	1	0	0	0	1	0	4	4	10	6	5	0	0	0	0	2	6	9	5	6	2	0
Falmouth (Pendennis) ...	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	3	9	14	4	0	0	0	0	0	0	0	6	14	7	3	0	0	0	0	0	2	7	11	10	0
Southampton (Calshot) ...	0	2	0	2	0	5	14	5	2	0	0	1	3	1	0	3	6	6	10	0	0	0	0	2	3	3	12	5	5	0	0	0	1	1	1	3	9	7	8	0

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

Pe.2/28/638. wt. 259 D.7350/PK.1380. 850. 12/23.

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

STATIONS.	Temperature. Number of daily readings within fixed limits. † Maximum. 33 - 41	42 - 50	51 - 59	Normal Max.	† Minimum. 23 or below	24 - 32	33 - 41	42 - 50	51 - 59	Normal Min.	Extremes—Warmest and Coldest Days. Highest Maximum.	Date.	Lowest Maximum.	Date.	Nights. Highest Minimum.	Date.	Lowest Minimum.	Date.	Number of Ground Frosts.	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.
				°F.						°F.	°F.		°F.		°F.		°F.											
Stornoway ...	4	21	5	47·6	0	5	11	14	0	38·0	53	16	39	26	48	17	30	9	*	18	9	0	21	9	0	20	9	0
Aberdeen ...	5	18	7	46·9	0	3	15	12	0	37·2	57	14	38	3, 24, 26	48	17, 29	30	4, 5	14	0	24	3	0	24	1	0	23	1
Edinburgh ... (Inchkeith)	1	22	7	*	0	0	14	16	0	*	53	10, 28	41	26	49	29	34	25	2	*	*	*	*	*	*	*	*	*
Renfrew	2	20	8	*	1	4	15	10	0	*	55	17	40	9	50	14, 29	22	25	15	0	24	2	3	25	1	4	25	1
Eskdalemuir ...	7	20	3	*	1	8	15	6	0	*	52	14	38	5	46	14, 29	18	25	12	5	19	0	3	24	1	3	24	0
Dublin ... ... (Phœnix Park)	0	11	19	49·9	0	8	10	12	0	37·6	59	14	46	2	49	14	24	25	8	*	*	*	*	*	*	*	*	*
Birr Castle ...	0	20	10	49·3	0	5	10	14	1	36·8	58	13, 14	45	2, 21	51	14	28	25	7	13	15	0	5	25	0	9	21	0
Valencia ... ... (Cahirciveen)	*	*	*	52·0	*	*	*	*	*	42·9	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth ...	2	19	9	48·4	0	2	15	13	0	38·1	56	14	40	27	50	29	30	4	*	0	17	0	0	20	0	0	13	0
Holyhead ...	0	16	14	50·2	0	1	5	24	0	42·9	54	1, 10	45	25	49	*	32	25	1	4	24	0	3	27	0	2	23	1
Liverpool ... (Bidston)	0	26	4	48·5	0	0	18	12	0	40·2	53	10, 14	45	2, 4	47	18	34	25, 26	6	0	29	0	3	27	0	0	22	0
Nottingham ...	3	15	12	48·4	0	6	18	6	0	37·1	54	7, 18	40	12, 25	50	29	25	12	14	8	20	0	3	20	0	3	11	0
Cranwell	2	21	7	*	0	8	17	5	0	*	53	28	39	27	46	29	29	25	11	6	18	2	3	22	1	2	19	0
Gorleston ...	1	23	6	48·5	0	5	15	10	0	39·6	53	6, 8, 29	40	27	44	12, 18	29	3	8	0	22	3	0	19	3	0	23	1
Ross-on-Wye ...	1	18	11	49·3	0	8	14	8	0	37·8	55	7	40	3	47	29	24	12	12	4	21	0	3	24	1	7	17	0
Benson	4	18	8	*	4	12	13	1	0	*	55	6	34	14	44	18	20	25	21	*	*	*	*	*	*	*	*	*
London ... ... (Kew Obsy.)	4	18	8	49·1	0	7	15	8	0	38·8	55	6	36	14	45	29	30	5, 25	16	4	21	0	4	18	4	4	12	1
Croydon	5	18	7	*	0	7	14	9	0	*	55	6	37	14, 16	45	11, 18	27	25	14	6	17	1	4	19	3	7	16	0
Grain	2	21	7	*	0	7	15	8	0	*	56	6	39	27	44	29	27	14	13	2	20	2	3	21	1	2	18	3
Lympne	1	24	5	*	0	7	19	4	0	*	53	6	38	27	46	11	27	26	14	14	11	1	11	14	1	8	15	2
Southampton ... (Calshot)	2	18	10	*	0	4	16	10	0	*	55	6	39	14	46	11	29	26	5	7	16	2	6	15	2	0	22	0
Falmouth ... (Pendennis)	0	11	19	*	0	0	9	21	0	*	56	10	48	4, 13	50	10	37	14	*	0	26	3	0	13	5	0	25	4

UPPER AIR TEMPERATURE.

Pressure.	Normal Height.	Normal Temperature.	Leuchars. Mean.	No. of Reports.	S. Farnborough Mean.	No. of Reports.	Andover. Mean.	No. of Reports.
mb	feet.	°F.	°F		°F		°F.	
950	1740	40	40	20	39	5	42	4
850	4690	34	33	20	35	5	35	4
750	7950	26	26	7	28	5	29	4
650	11 620	16	–	0	12	2	11	3
550	15 780	1	–	0	4	1	3	2

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.	Valencia. 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	17	0	11	5	1	0							45	10	22	12	1	0
5,000	7	0	5	1	1	0							15	1	8	6	0	0
10,000	1	0	0	0	1	0							2	0	0	2	0	0
15,000	0	0	0	0	0	0							0	0	0	0	0	0

† Since March 1st, 1921, the readings used have (except in the case of Phœnix Park) been the maximum for the period 7h.–18h., and the minimum for the period 18h.–7h. reviously the period was 7h.–7h.

* 10, 14, 15, 17, 18, 24, 28.

RAINFALL, HUMIDITY AND LOW CLOUD, ...NOVEMBER....., 1922.

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

STATIONS.	Sunshine. Number of Days with duration. Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration. Hours.	Date.	Total for past 12 months. (hours.)	Difference from average. (hours.)	Total for Month. (hours.)	Difference from average. (hours.)	Rainfall. Number of days with amount. 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	Above 25 mm.	Maximum fall in 24 hrs. mm.	Date.	Total for past 12 months. (mm.)	Difference from Average. (mm.)	Total for Month.* (mm.)	Difference from Average. (mm.)	Days with Thunder.	Days with Snow or Sleet.
Stornoway ...	11	15	4	0	0	5·7	2	1259	0	34	-9	6	5	11	8	0	0	12	30	1268	+2	97	-51	0	4
Aberdeen ...	6	16	7	1	0	8·1	2	1221	-166	64	+9	12	7	8	2	1	0	18	10	755	+7	53	-22	0	8
Edinburgh ... (Inchkeith)	5	10	11	4	0	7·5	11	*	*	82	*	19	4	5	2	0	0	7	5, 6	464	*	32	*	0	0
Renfrew	13	8	8	1	0	7·6	4	1171	*	56	*	17	4	5	3	1	0	16	10	857	*	64	*	0	1
Eskdalemuir ...	11	9	7	3	0	8·4	4	1182	*	66	*	10	8	7	4	1	0	21	10	1383	*	74	*	0	2
Dublin ... ... (Phœnix Park)	5	14	6	5	0	7·4	11	1537	+30	76	+5	21	7	2	0	0	0	3	5	558	-147	10	-62	0	0
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	15	8	7	0	0	0	5	9	764	-65	130	-49	0	0
Valencia ... ... (Cahirciveen)	*	*	*	*	*	*	*	*	*	42	-23	*	*	*	*	*	*	*	*	*	*	97	*	*	*
Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	21	4	5	0	0	0	5	5	594	-27	19	-35	0	1
Holyhead ...	16	10	3	1	0	6·2	4	1576	*	36	*	13	10	14	3	0	0	14	5	773	-115	143	-62	1	0
Liverpool ... (Bidston)	8	12	8	2	0	7·5	11	1355	*	67	*	18	7	1	3	1	0	16	6	664	-45	41	-23	0	1
Nottingham ...	10	17	2	1	0	7·1	4	1165	-160	34	-7	21	4	3	2	0	0	8	6	650	+82	23	-15	0	0
Cranwell	9	9	7	5	0	7·9	4	1574	*	76	*	20	4	4	2	0	0	10	6	597	*	29	*	0	1
Gorleston ...	12	10	6	2	0	7·4	2	*	*	63	*	17	2	8	3	0	0	12	1	697	+75	51	-10	0	1
Ross-on-Wye ...	11	11	7	1	0	8·1	4	1463	*	57	*	17	8	3	2	0	0	12	5	646	-72	35	-29	0	0
Benson	*	*	*	*	*	*	*	*	*	*	*	21	3	4	2	0	0	9	1	589	*	78	*	0	0
London ... ... (Kew Obsy.)	17	7	5	1	0	7·4	4	1470	-5	40	-12	23	2	3	2	0	0	11	5	528	-78	37	-19	0	0
Croydon	17	7	5	1	0	7·6	2	1492	*	34	*	21	4	1	3	1	0	16	1	617	*	44	*	0	0
Grain	17	8	2	3	0	7·1	2	1575	*	43	*	21	4	3	2	0	0	9	1	*	*	27	*	0	0
Lympne	11	10	7	2	0	8·1	2	1702	*	60	*	20	3	4	3	0	0	12	1	690	*	40	*	0	1
Southampton ... (Calshot)	9	9	6	6	0	7·2	25	1733	*	78	*	21	3	3	3	0	0	12	5	586	*	41	*	0	0
Falmouth ... Observatory	7	11	9	3	0	7·3	24	1661	-98	78	+2	*	*	*	*	*	*	*	*	*	*	*	*	0	0

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 ..	*	*	*	*	*	*	*	*	*
Renfrew... ...	0	1	10	12	4	3	0	0	0
Eskdalemuir ...	2	1	6	7	10	3	1	0	0
Valencia... ...	0	2	4	11	13	0	0	0	0
Benson	1	3	10	12	4	0	0	0	0
London ... ... (Kew Obsy.)...	0	2	4	14	8	2	0	0	0
Falmouth ...	*	*	*	*	*	*	*	*	*

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.

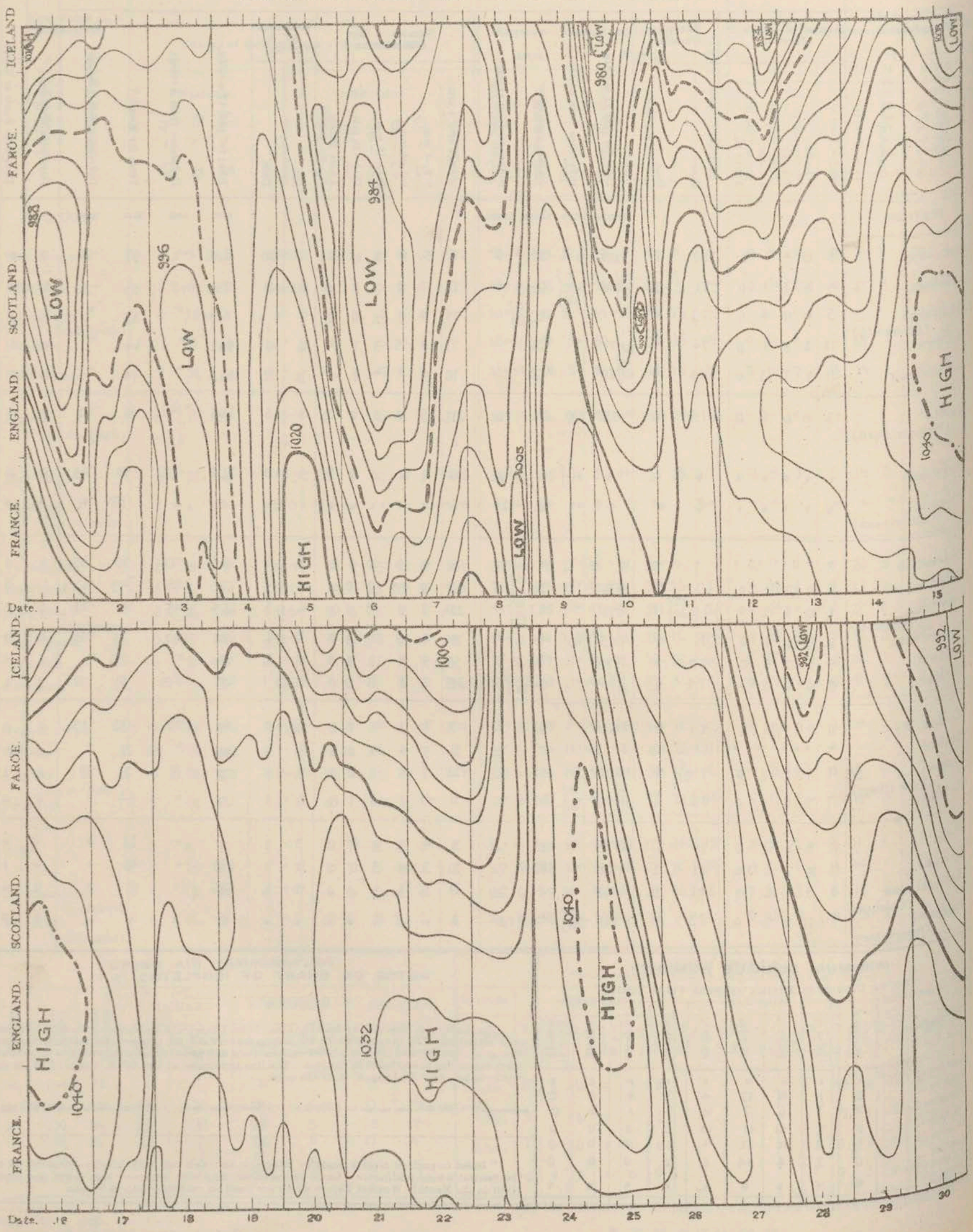
= 1,020 mb. = 1,000 mb. = 980 mb. = 960 mb.

* 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 1922

ISOPLETHS* BASED ON SIX-HOURLY OBSERVATIONS.



* For explanation see page 3.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Observations at 1300 G.M.T. 31st Oct / Observations at 1800 G.M.T. 31st Oct

Stations	13h Barom. at M.S.L. (m.b)	13h Change in 3 Hours‡	13h Wind Direc.	13h Wind Force (0-12)	13h Weather	13h Temp. °F.	13h Humidity %	13h Visibility§ (0-9)	13h Height of Low Cloud (Feet)	13h Low Cloud Form	13h Low Cloud Amt. (0-10)	13h Upper Form	13h Total Amt. (0-10)	State of ground	18h Barom. at M.S.L. (m.b)	18h Change in 3 Hours‡	18h Wind Direc.	18h Wind Force (0-12)	18h Weather	18h Temp. °F.	18h Humidity %	18h Visibility§ (0-9)	18h Height of Low Cloud (Feet)	18h Low Cloud Form	18h Low Cloud Amt. (0-10)	18h Upper Form	18h Total Amt. (0-10)	Sea (0-9)
Lerwick	1007.4	+3	WNW	4	bc/r	39	75	7	4000	Cu	3	CiCu	4	*	1006.7	-3	ESE	1	c+	37	75	7	5700	StCu	2	ASt	7	0
Stornoway	1003.0	-5	SW	4	oPR	43	85	7	450	St	10	-	10	*	997.7	-5	SW	3	orr0	42	97	6	450	St	10	-	10	2
Wick	1006.6	-2	S	3	c+	43	85	8	4000	CuNb	5	Ci	8	*	1001.5	-7	SW	5	o/r	45	85	8	5700	Cu	4	CiSt	10	3
Castlebay	1004.7	-4	SSW	4	bc/s(h)	48	75	7	1500	Cu	4	ASt	5	*	1000.2	-4	SW	5	oPR	48	85	6	800	Nb	10	-	10	6
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1002.3	*	SW	2	o+	42	85	8	4000	CuNb	9	-	9	*
Aberdeen	1009.2	-2	SSW	2	b	46	65	7	-	-	0	Ci	2	0	1006.7	-4	SSW	3	o+	43	85	6	4000	StCu	10	-	10	0
Malin Head	1008.3	-3	S'W	4	bcPR	45	97	7	-	CuNb	3	ASt	5	*	1004.6	-4	S'W	5	oPR	45	97	6	2500	St	9	-	9	4
Renfrew	1010.8	-4	SSW	3	c/f	47	75	5	2500	StCu	6	Ci	8	0	1007.7	-4	S	4	o	44	75	5	1500	St	7	CiSt	10	*
Edinburgh (Inchkeith)	1010.7	-2	WSW	4	bc/f	46	75	8	*	Cu	6	*	6	*	1008.1	-2	WSW	3	c+	44	75	8	-	St	8	-	8	2
Leuchars	1010.5	-2	WSW	3	c	44	75	5	5700	StCu	7	Ci	8	1	1007.6	-2	SSW	4	c	42	85	8	4000	StCu	3	ASt	7	4
Eskdalemuir	1012.4	-1	SW'S	4	c	41	85	6	2500	StCu	2	CiSt	7	0	1011.1	-2	SSW	3	o	38	97	7	1500	StCu	9	CiSt	10	*
Tynemouth	1013.0	+1	W	1	b	44	75	6	-	-	0	CiCu	3	*	1012.3	-1	S	1	b	43	85	5	-	-	0	ACu	2	1
Blacksod Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	1013.2	-1	W	2	bc+	49	75	8	-	-	0	CiCu	5	*	1010.3	-3	SW	2	o+	44	85	8	-	-	0	ASt	10	0
Birr Castle	1014.4	*	S	1	c-	45	85	8	4000	StCu	7	*	7	*	1010.8	*	S	2	o+	45	85	6	2500	StCu	9	-	9	*
Holyhead	1015.1	-1	SW'S	3	bc	48	75	9	4000	StCu	5	ASt	6	0	1013.2	-3	SSW	4	o	48	85	8	2500	CuNb	3	ASt	5	2
Liverpool (Bidston)	1014.9	0	W'S	3	b-	46	65	7	4000	StCu	1	CiSt	2	*	1014.7	0	SW	3	b	41	85	8	2500	St	2	-	2	4
Chester (Shotwick)	1015.1	+1	WNW	4	bc-	50	55	8	4000	Cu	4	CiCu	5	0	1015.1	0	SE	1	b-	41	75	4	5700	StCu	1	ACu	3	*
Spurn Head	1013.9	+2	WNW	4	o	45	92	7	4000	StCu	4	ACu	9	*	1015.1	+2	SW	3	mo-	42	92	4	450	St	10	-	10	4
Nottingham	1015.3	*	SW	3	o	45	85	8	800	StCu	9	*	9	*	1016.5	*	SW	2	bo	37	92	6	-	-	0	-	0	*
Cranwell	1015.6	+1	WSW	3	c+	47	75	5	2500	StCu	4	CiSt	8	0	1016.8	+1	SW	2	bc	39	92	5	4000	StCu	1	CiSt	4	*
Gorleston	1014.7	+3	NNW	4	bc-	48	65	7	5700	Cu	4	*	4	*	1017.3	+1	W'S	1	c+	41	75	6	5700	StCu	7	-	7	0
Valencia (Cahirciveen)	1014.9	-5	WNW	2	or0	47	92	8	*	St	10	-	10	*	1010.8	-3	NW'N	3	or	58	97	8	-	St	10	-	10	6
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1017.3	+2	WSW	3	c	47	65	8	4000	StCu	4	Ci	7	*	1016.2	-2	SSW	4	o/p	47	75	8	4000	CuNb	10	-	10	1
Ross-on-Wye	1016.6	+2	W	2	o+	47	65	9	4000	StCu	9	*	9	0	1017.7	+1	WSW	2	od	40	75	8	-	StCu	2	Ci	9	*
Benson	1016.4	+1	NW	3	bc+	48	65	7	-	Cu	5	-	5	*	1018.0	+1	W	1	b	39	85	8	-	-	0	-	0	*
Andover	1016.7	+4	WNW	3	b	48	65	7	4000	Cu	1	Ci	2	0	1019.0	*	SW	2	c+	43	75	7	2500	StCu	8	-	8	*
S. Farnborough	1016.9	+4	WNW	2	bc-	49	65	7	4000	Cu	4	*	4	0	1019.3	+2	-	0	mo-	35	92	6	-	-	0	ACu	10	*
London (Kew Obsy.)	1016.5	+2	NW'N	2	b	48	55	7	5700	Cu	3	*	3	0	1018.8	+3	SW	1	fo-	42	75	3	4000	StCu	9	-	9	*
Croydon	1016.7	+3	NW'W	2	b	48	55	6	4000	Cu	3	-	3		1019.2	+3	SSW	2	bc+	38	85	5	4000	StCu	2	Ci	6	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1015.6	+2	NW	2	b/f	48	65	7	7200	Cu	3	*	3	*	1018.5	+3	SW	1	mb-	41	85	5	-	-	0	-	0	*
Grain	1016.1	+4	NW	4	b+	48	65	8	4000	Cu	1	*	1	1	1019.1	+3	SSW	2	c+	41	85	5	5700	St	7	-	7	6
Lympne	1016.0	+3	NNW	4	b	46	65	8	4000	Cu	2	CiSt	3	1	1019.1	+5	WSW	1	b	38	85	6	5700	StCu	1	ASt	3	*
Scilly (St. Mary's)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Falmouth (Pendennis)	1019.5	+3	NW	2	bc-	49	85	7	4000	Cu	4	Ci	5	*	1018.7	0	W	3	o+	47	92	7	4000	Cu	3	ASt	9	0
Plymouth (Cattewater)	1018.4	+2	W	1	o-	50	75	8	4000	StCu	9	*	9	0	1019.3	+1	WNW	2	c	46	75	7	-	-	0	CiSt	8	0
Portland Bill	1017.3	+5	W'N	3	b	50	75	7	*	*	0	*	0	*	1018.7	+2	WSW	5	o+	50	75	7	-	-	0	ASt	10	4
Southampton (Calshot)	1017.8	+3	NNW	2	b/f	47	75	6	4000	Cu	1	ASt	2	0	1019.5	+2	SW'W	3	c-	44	75	7	7200	StCu	6	CiSt	8	0
Dungeness	1015.5	+5	N	4	b	48	65	8	*	*	0	*	0	*	1019.1	+6	W	2	b	42	85	7	-	-	0	ACu	2	3
Jersey 7h / Guernsey 1h	1018.9	+1	WNW	3	b	52	65	8	-	-	0	ACu	3	*	1020.1	+1	W	3	o	48	75	8	4000	StCu	10	-	10	0

London Observations

24 Hours ended 0900 G.M.T. 1st (Sunshine: Yesterday; Humidity 9h: To-day)

London Observations	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. %
Kew (24 hours ended 0700)	bmwbr	b/bczof	bmwo/pd	*	*	29	-	0.2	7.6	*	*
Croydon (24 hours ended 0700)	f wm	bczmy	cmwd	*	*	31	-	0.1	6.1	*	*
Greenwich (Royal Obsy.)	bczczm	bm cz	oir	49	38	28	-	0.8	5.9	60	90
City (Bunhill Row)	*	*	*	*	*	*		·	3.6	*	*
Westminster (St. James' Pk.)	*	*	*	51	41	33	-	1.5	6.8	62	86
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*			6.0	*	*
Camden Square	b	bc	*	51	41	35	-	1.3	*	*	89
Kensington Palace	bbc	bc	or	49	42	31	-	1.5	*	72(18h)	90
Hampstead Observatory	*	*	*	50	39	31	-	1	5.3	*	93

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 31st

South Kensington

Max.	Time.	Min.	Time.
1.0 / 1.3	1700 30th / 0900 31st	<0.3	0100 / 0500 (31st)

Kew Observatory

Max.	Time.	Min.	Time
0.8 / 0.7	1800 (30) / 0900 (31)	<0.3	0300 (31st)

Pole Star Record at Greenwich Obsy.

Exposure from 31st 17 h. 30 m. to 1st 06 h. 00 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	10 30	8 55	71
δ Ursae Minoris	10 30	7 5	67

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 today in 1300 & 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.	C_1C_2	5	-	145
18h.	C_1C_2	5	-	165
01h.	C	5	-	110
07h.	C	6	-	10

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

1st & 2nd November, 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6 50 / 6 52	11 37 / 11 37	4 24 / 4 22
Greenwich	6 55 / 6 57	11 44 / 11 44	4 33 / 4 31
Wick	7 30 / 7 32	11 56 / 11 56	4 22 / 4 20
Valencia	7 37 / 7 39	12 25 / 12 25	5 13 / 5 11

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.
jp 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_or_o = continuous light rain.

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.

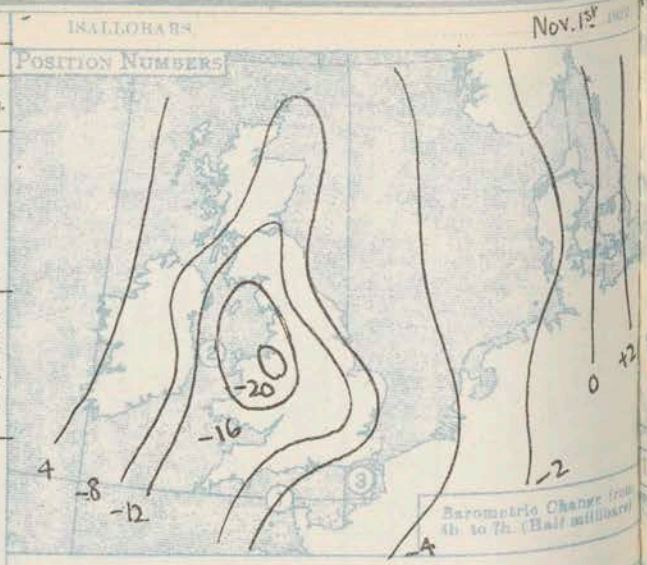
0 = no swell, 1 = mod. swell, 2 = heavy swell: Calm or slight sea.
3 = no swell, 4 = mod. swell, 5 = heavy swell: Moderate sea.
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

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. 31st	13h.-18h. 31st	18h. 31st to 1h. 1st	1h.-7h. 1st Nov.	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	bc	bc	omqr	oqr	40	36	•	Trace	5	<0800	<2100	•
Stornoway	c	rord	p	p	45	31	•	7	5	–	<2100	0·0
Wick	c	onp	orrq	orrq	45	38	•	0·2	5	16 30	<2100	•
Castlebay	bchbc	bc op					•	3		14 30		
Nairn	og	o g	iRgc	cirq	43	37	•	–	6	–	<2100	28
Aberdeen	bmo	bccm	oo	oo	46	43	40	–	0·3	–	0630	4·4
Malin Head	cop	cPRM	oPm	orrpr	47	41	•	2	8	1100	<2100	2·2
Renfrew	bfxocz	cmfoo	oqrrm	omiR	48	41	39	–	14	–	<2100	2·3
Edinburgh (Inchkeith)	m	c	oir	rr	48	43	43	–	3	–	0330	6·2
Leuchars	c	c	r	r	45	42	37	–	7	–	–	3·2
Eskdalemuir	bcxcm	cpo	oir	oRm	43	37	37	Trace	22	1430	<2100	2·9
Tynemouth	bcm	bm	bcm	omdq	45	40	34	–	tr	–	0530	•
Blacksod Point ...							•					•
Donaghadee	bc	bc	do	rr	50	43	•	–	8	–	2400	•
Birr Castle ...	co	copo	c	o	50	40	39	0·1	8	1530	<2100	•
Holyhead	cbcv	bc co	ooirq	ooirq	50	48	43	–	16	–	2400	6·0
Liverpool (Bidston) ...	ocbc	bc		orq	47	39	34	–	1	–	0430	5·4
Chester (Shotwick) ...	bfprcbc	bc.c.bc	bcoom	opPq	51	38	31	–	1	–	0430	•
Spurn Head	b-bc	borbc	form	oo	45	38	•	–	0·3	–	0630	4·6
Nottingham	bmo	c	bo	r	46	35	28	–	1	–	0430	3·1
Cranwell	bmbcc	bcm	mm	orrm	47	36	33	–	1	–	0630	6·6
Gorleston	cbc	bc c	cbcbm	bcmrc	49	36	30	1	–	<0800	–	6·5
Valencia (Cahirciveen)	bcmo	orq										
Roches Point							•					•
Pembroke (St. Ann's H.)	c	c	oqrr	oqrr	49	46	•	–	16	–	2200	6·0
Ross-on-Wye	bcc	bcvco	oco	orr	49	39	31	–	4	–	0430	5·0
Benson...	bbc	bcb	bbcc	co	49	33	27	–	0·4	–	0630	•
Andover	bcb	bbcc	co	orr	50	36	26	–	3	–	0430	7·3
S. Farnborough ...	bcmbc	ccom	tor	r	51	34	30	–	0·6	–	0230	6·4
London (Kew Obsy.) ...	bmrbq	bcgof	bmwcmw	cmwomb	48	39	29	–	0·2	–	0630	7·6
Croydon	form	bcgmq	cmw	cowro	50	37	31	–	0·1	–	0630	6·1
Clacton-on-Sea ...		cm	cmog		48	40	34		–		–	8·4
Shoeburyness	bcmb	borbc	bmco	oido	49	33	33	–	0·1	–	0530	8·0
Grain	b-bc	bbccm	cmbcb	bcoro	48	37	27	–	tr	–	–	8·0
Lympne	b-bc	borbc	bbccom	opr	46	36	28	–	0·5	–	0130	7·8
Scilly (St. Mary's) ..							•					
Falmouth (Pendennis)	cmbc	bcco	omrq		51	39	•	1	9	<0800	2400	3·6
Plymouth (Cattewater)	of	obcc	cor	orr	52	47	37	–	5	–	<2100	3·8
Portland Bill	b-bc	bcco	co	oqr	52	44	•	–	2	–	0330	•
Southampton (Calshot)	bmbm	bccoc	c	orrmm	50	42	37	–	1	–	0630	7·0
Dungeness ..	b-bc	borbc	cpro	oo	49	42	•	–	tr	–	2400	•
Jersey 7h } .. Guernsey 1h }	b	bc.o	c	orr	53	48	•	–	1	–	0430	2·8



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.	Pressure
5	1st 0300	-	WSW	5	0	47	54	[illegible]
1	31st 1200	-	NNW	4	b	45	55	[illegible]
2	31st 1000	Scotia	W	4	bcv	45	50	[illegible]

GENERAL INFERENCE.

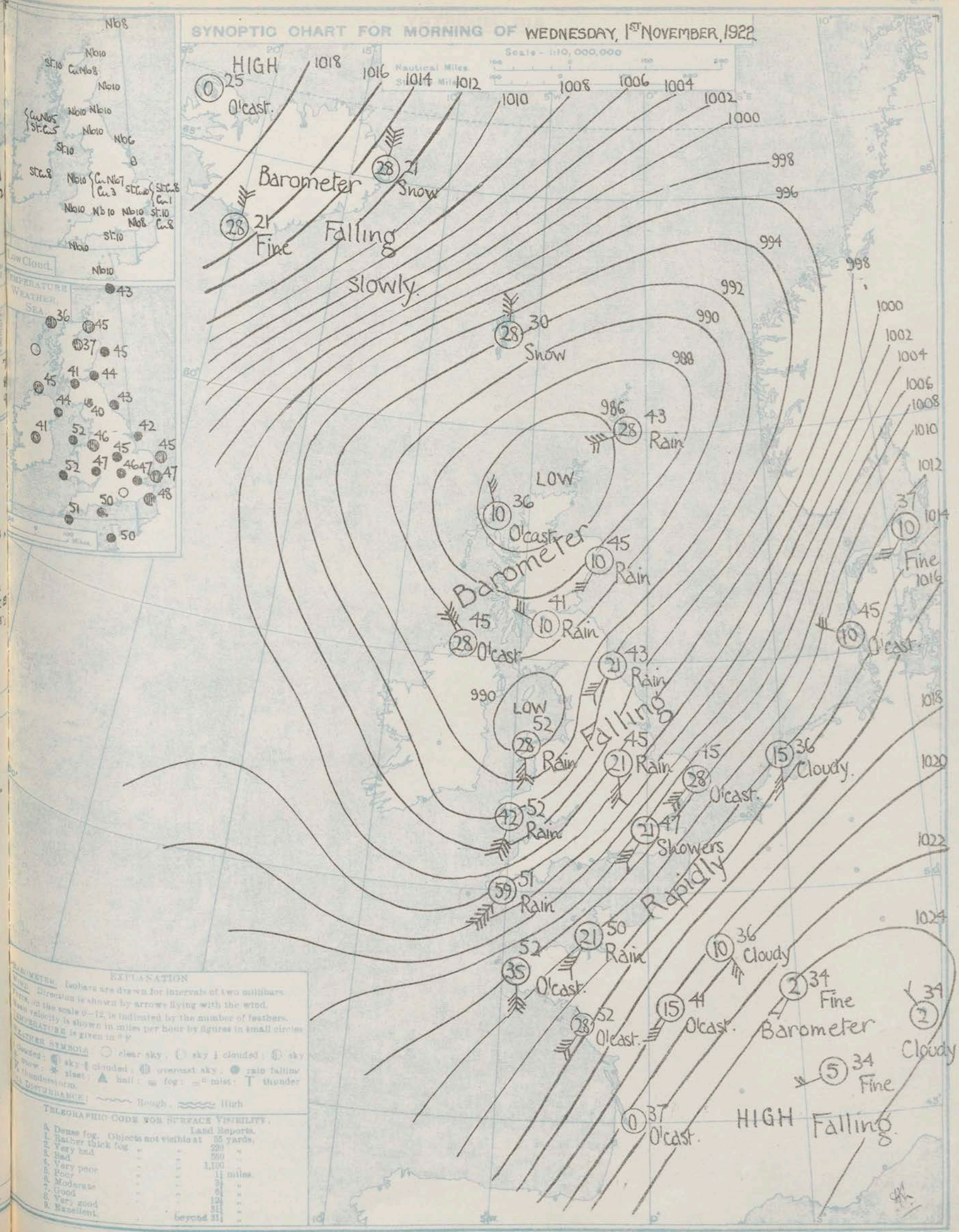
A deep depression which was off Newfoundland yesterday morning is now centred near the Hebrides, with a secondary over the Irish Sea. There are indications of a new disturbance further South. Rain is probable in all districts today, with South Westerly gales, followed by northerly winds and some snow in the North.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday 1st November 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind S to SW, strong to a gale veering NW and moderating; rainy, then improving temporarily; colder again.	Unsettled generally.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind NW or N, strong at first then moderating and backing; dull, some rain, brighter intervals later; visibility good; rather cold.	
9. N. Midlands 10. N.E. England	As for 1 to 3.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind NW or N, fresh or strong, moderating and backing later; variable sky, some sleet or snow; visibility good; cold.	South Cone hoisted in Districts 1, 2 and 5 at 0900 G.M.T., 1/11/22, and in remaining Districts at 1940 G.M.T. 31/10/22.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind NW, backing SW, fresh, strong at times; variable sky, probably rain later; visibility good; milder again.	

E/15

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.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... Wednesday ... 1st November ... 1922. No. 305...

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

STATIONS.	Barom. at M.S.L. (m.b)	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)	Sea. (0-9)
Lerwick	996·7	-9	SW	7	c-	45	85	6	4000	St Cu	7	-	7	•
Stornoway	993·7	-6	SW	4	PH	•	•	5	•	•	•	•	•	•
Wick	992·9	-9	SW	6	o r	43	92	8	2500	Nb	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	997·7	-6	SW	6	orr	45	92	6	5750	Nb	3	a St	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1000·8	-6	SSW	4	or₀	45	85	8	•	St	2	a St	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1007·6	-5	SW	4	o	41	85	6	4000	St Cu	10	-	10	•
Blacksod Point														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1005·5	-9	S'W	6	or₀	50	92	8	1800	Cu Nb	10	-	10	•
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1012·4	-2	S	5	o	40	85	5	-	-	0	a St	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1013·9	-5	S'W	4	o	39	92	6	4000	St	5	a St	10	•
Gorleston	1017·2	0	SSW	2	mbt	38	85	4	1500	St	4	-	4	•
Valencia (Cahirciveen)														•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1007·7	-4	S'W	8	oRR	46	92	7	450	Nb	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	1017·0	-4	S	2	c	40	85	7	-	-	0	Ci St	8	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1017·7	-3	SSW	4	o	43	92	7	2500	St Cu	10	-	10	•
Scilly (St. Mary's)														•
Falmouth (Pendennis)														•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1016·0	-4	SW	6	o r	48	85	7	1500	St Cu	10	-	10	•
Southampton (Calshot)	1016·1	-3	SSW	4	bc	47	75	8	-	:	0	a Cu	4	•
Dungeness	1017·2	-4	SW	5	o r	50	75	8	2500	Cu	9	-	9	•
Jersey 7h / Guernsey 1h	1018·4	-4	SSW	5	o ⊕	45	85	9	5750	St Cu	7	Ci St	10	•

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

STATIONS.	Barom. at M.S.L. (m.b)	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)	Sea. (0-9)
Lerwick	987·3	-7	SW	6	or₀	43	85	7	4000	Nb	8	a St	10	5
Stornoway	985·5	-4	NNW	3	o/r	36	85	6	450	St	10	-	10	2
Wick	986·3	-8	SW	6	o/r	45	97	8	2500	Nb	10	-	10	4
Castlebay	986·5	•	WSW	1	c/r	37	85	8	4000	Cu Nb	8	-	8	•
Nairn														
Aberdeen	989·2	-8	SSW	3	or₀	45	97	6	1500	Nb	10	-	10	0
Malin Head	990·2	-6	NW	6	o/r	45	85	7	5750	Cu Nb	10	-	10	5
Renfrew	989·9	-11	WNW	3	orr	41	97	6	1500	Nb	10	-	10	•
Edinburgh (Inchkeith)	989·1	-10	SW	4	orr	44	92	7	-	Nb	10	-	10	4
Leuchars	999·4	-12	S	3	orr	44	92	6	1500	Nb	10	-	10	•
Eskdalemuir	990·8	-13	SSE	3	oRR	40	97	6	1500	Nb	10	-	10	
Tynemouth	996·1	-6	SSW	5	od₀	43	92	6	4000	Nb	6	a St	10	6
Blacksod Point														
Donaghadee	990·6	-15	SW	2	orr	44	97	6	1500	St	10	-	10	•
Birr Castle	992·9	•	NW	3	c/r	41	97	6	4000	St Cu	8	-	8	5
Holyhead	984·6	-8	S	6	oR	52	97	5	2150	Nb	10	-	10	7
Liverpool (Bidston)	991·0	-16	SE'S	7	o/r	46	85	8	1500	Cu Nb	10	-	10	•
Chester (Shotwick)	993·6	-21	SSE	6	o/r	47	85	8	450	St	10	-	10	
Spurn Head	999·7	-10	SSE	7	orr	42	92	6	-	-	0	a St	10	6
Nottingham	999·7	•	S	5	or₀	45	92	7	1500	St Cu	10	-	10	•
Cranwell	1002·4	-11	S'E	5	orr	43	97	6	800	Nb	10	-	10	
Gorleston	1009·3	-4	S'W	6	o r	45	85	7	4000	St	10	-	10	4
Valencia (Cahirciveen)														
Roches Point														
Pembroke (St. Ann's H.)	996·4	-12	SSW	8	oRR	52	97	6	450	Nb	10	-	10	6
Ross-on-Wye	999·6	-14	S	5	orr	47	92	7	2000	Nb	10	-	10	•
Benson	1003·9	-13	S	6	orr	46	97	6	1500	Nb	10	-	10	•
Andover	1004·9	-11	SSW	6	orr	47	92	7	300	St Cu	6	a St	10	•
S. Farnborough	1005·8	-9	SSE	6	orr	47	92	6	1500	Nb	10	-	10	•
London (Kew Obsy.)	1006·6	-12	SSW	5	or₀	47	85	6	1500	Nb	8	a St	10	•
Croydon	1007·8	-10	S'W	5	o/r	46	92	7	800	Nb	10	-	10	
Clacton-on-Sea	1009·5	-6	S	4	o r	47	85	7	4000	St	10	-	10	2
Shoeburyness	1008·3	-10	SSW	6	od₀	47	85	6	1500	St	10	-	10	3
Grain	1009·1	-10	S	6	or₀	48	85	7	800	Nb	10	-	10	•
Lympne	1010·6	-9	SSW	7	o	47	85	7	800	St	9	a St	10	
Scilly (St. Mary's)														
Falmouth (Pendennis)	1000·7	-15	SW	10	orr	51	65	5	2500	Nb	10	-	10	6
Plymouth (Cattewater)	1001·5	-12	S	7	orr	51	97	7	1500	Nb	10	-	10	3
Portland Bill	1004·0	-8	SSW	8	or₀+	50	85	6	450	St	10	-	10	8
Southampton (Calshot)	1006·6	-9	S	6	orr	49	85	5	800	Nb	10	-	10	3
Dungeness	1010·3	-9	SW	7	o r	48	97	8	4000	Cu	8	Ci St	10	8
Jersey 7h / Guernsey 1h	1009·9	-5	SW	5	orr	50	92	6	1500	Nb	10	-	10	6

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR ... Tuesday 31st 1922.

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 30th °F.	Temperature. Max. Day. 31st °F.	Rainfall.† Night 17h.-9h. 30th-31st mm.	Rainfall.† Day 9h.-17h. 31st mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 31st hr.
Banff	bcc	co	27	44	0·1	-		4·3
Montrose	-	-	28	44	4	-		4·7
Llandudno	cbl	bcc	36	49	0·4	-		4·7
Colwyn Bay	bc	bc	39	49	2	-		5·5
Rhyl	bc	bc	32	50	3	-		5·9
Southport	cbccp	bcbbcc	29	49	-	0·1		5·2
Blackpool	oc	bcc	29	50	-	-		4·6
Harrogate	b	b	34	47	0·2	-		5·7
Skegness	b	b	35	49	1	-		5·9
Aberystwyth	ocb	b	35	49	0·3	-		4·5
Bath	mb	bbcm	31	51	-	-		5·5
Leamington Spa	cb	cb	31	48	-	-		2·5
Lowestoft	bbc	b	40	48	2	-		6·5
Felixstowe	b	bccm	37	48	0·2	-		8·2
Southend	b	bcc	37	50	0·1	-		7·5
Paignton	bmbcm	bcm	34	52	-	-		5·0
Ilfracombe	cbcc	cbcc	39	50	-	-		3·0
Bude	bbco	ocoec	39	51	-	-		3·6
Penzance	bc	bcco	41	53	-	-		3·6
Falmouth Observatory	ocbc	bcco	38	51	2	-		3·9
Torquay	b	b	36	50	-	-		5·2
Weymouth	bbc	bcc	38	52	-	-		5·0
Bournemouth	b	b	36	51	-	-		6·0
Portsmouth (S'thsea)	cbb	b	38	51	-	-		6·3
Worthing	b	bbc	39	49	-	-		7·0
Brighton	bcb	b	39	50	-	-		7·8
Eastbourne	bcb	b	39	49	0·2	-		8·1
Hastings	bcb	bbcb	38	48		-		*
Folkestone	cbcb	bm	40	47	-	-		7·9
Tunbridge Wells	bmb	b'bm	37	48	-	-		7·8
Ramsgate	bcb	d	41	51	2	-		7·8
Margate	b	b	42	47	0·2	-		7·5
Deal	cpb	cbb	41	47	2	-		7·1

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 2. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22260 2nd NOVEMBER, THURSDAY, 1922.

Observations at 1300 G.M.T. 1st

STATIONS.	Barom. at M.S.L. m.b	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	State of Ground.
Lerwick	980·5	-6	SSW	3	ojp	42	75	7	2500	Nb	3	ASt	9	*
Stornoway	987·3	+2	NNW	6	oPH	37	92	6	4000	Nb	9	-	9	*
Wick	979·7	-7	NNW	3	c	41	85	8	2500	CuNb	8	-	8	*
Castlebay														
Nairn														
Aberdeen	981·1	-9	W'N	3	c-	43	75	8	2500	Cu	7	-	7	1
Malin Head	994·0	+7	NNW	8	cPH	45	85	6	-	CuNb	5	CiCu	8	*
Renfrew	986·9	-2	NNW	5	c	45	75	8	2500	StCu	7	-	7	2
Edinburgh (Inchkeith)	983·0	-5	W	4	imb	43	75	6	*	Cu	3	-	3	*
Leuchars	983·0	-7	NNW	5	bc-	44	75	9	2500	Cu	3	ASt	5	0
Eskdalemuir	986·5	+1	NNW	5	c	42	75	8	2500	StCu	7	-	7	2
Tynemouth	984·5	+1	NW	3	bc/r	44	85	7	4000	Cu	4	CiCu	6	*
Blacksod Point														
Donaghadee	992·5	+2	NW	4	bc-	43	75	7	4000	Cu	6	-	6	*
Birr Castle	997·9	*	NW	2	bc-	47	75	8	4000	StCu	6	-	6	*
Holyhead	993·2	+6	NW'N	6	o+	47	75	8	1500	StCu	8	ACu	9	1
Liverpool (Bidston)	990·8	+5	W'N	4	bc/r	45	75	7	1500	CuNb	3	CiSt	4	*
Chester (Shotwick)	991·2	+6	WSW	6	c/r	47	75	7	1500	Nb	5	CiSt	7	1
Spurn Head	985·4	-10	SW'S	8	orr	49	92	6	4000	Nb	10	-	10	*
Nottingham	988·1	*	SW	6	orr	52	92	6	2500	Nb	10	-	10	*
Cranwell	988·8	-9	SSW	6	or	50	97	6	800	Nb	*10	-	10	2
Gorleston	995·2	-7	SSW	9	oRR	47	92	6	2500	Nb	10	-	10	*
Valencia (Cahirciveen)	1003·4	+3	NNW	6	bc-	45	92	9	*	Cu	5	-	5	*
Roches Point														
Pembroke (St. Ann's H.)	996·0	+4	W'N	5	ojp	46	75	8	1500	Nb	8	-	8	*
Ross-on-Wye	991·7	+6	NW'N	4	o/r	51	85	9	2500	Nb	10	-	10	2
Benson	992·7	-12	SSW	5	oror	50	97	6	-	Nb	10	-	10	2
Andover	993·5	-12	SSW	6	orr	51	97	6	800	Nb	9	ASt	10	2
S. Farnborough	993·9	-12	S	7	orr	51	92	6	1500	Nb	10	-	10	2
London (Kew Obsy.)	993·8	-12	SSW	5	orr	51	92	6	1500	Nb	8	ASt	10	2
Croydon	995·3	-13	SSW	6	orr	49	97	6	460	Nb	10	-	10	2
Oiseton-on-Sea														
Shoeburyness	995·5	-13	SSW	7	orr	48	92	6	1500	StCu	8	ASt	10	*
Grain	996·2	-14	SSW	6	orr	49	97	6	800	Nb	10	-	10	2
Lympne	997·9	-16	SSW	8	oro	46	97	5	450	Nb	10	-	10	2
Scilly (St. Mary's)	997·8	+0	NNW	6	or	53	97	6	4000	Nb	10	-	10	*
Falmouth (Pendennis)	996·0	-1	W	5	oPR-	55	97	6	4000	StCu	10	-	10	*
Plymouth (Cattewater)	995·5	-2	SW	4	orr	55	97	7	4150	Nb	10	-	10	2
Portland Bill	994·0	-10	SW	8	orr	50	85	6	460	St	10	-	10	*
Southampton (Calshot)	994·5	-12	SSW	8	or-	51	97	6	800	Nb	10	-	10	1
Dungeness	996·6	-14	SSW	9	oRR	49	97	6	800	Nb	10	-	10	*
Jersey	992·2	-7	SW	5	orr	53	92	6	1500	Nb	10	-	10	*

Observations at 1800 G.M.T. 1st

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	973·2	-10	WNW	2	c	39	85	7	4000	Cu	3	ASt	8	1
Stornoway	990·9	+3	NNW	7	oPH	37	85	6	4000	Nb	9	-	9	6
Wick	979·8	+6	NNW	8	ckqh	38	92	8	4000	Nb	8	-	8	6
Castlebay														
Nairn	987·4	*	WNW	4	c/r	38	85	8	4000	CuNb	8	-	8	*
Aberdeen	983·1	+3	NW	7	bcpro	39	85	8	2500	CuNb	4	-	4	4
Malin Head	998·1	+5	NW	9	oPH	37	97	6	5700	Nb	9	-	9	7
Renfrew	992·6	+4	WNW	4	bc	37	85	7	4000	StCu	6	-	6	*
Edinburgh (Inchkeith)	987·9	+5	WNW	4	b	41	65	8	-	St	1	-	1	3
Leuchars	987·5	+6	WNW	6	b	38	92	7	-	-	0	-	0	*
Eskdalemuir	991·9	+6	WNW	6	b-	36	65	8	2500	StCu	1	-	1	*
Tynemouth	990·0	+6	WNW	3	b	41	85	6	-	-	0	-	0	2
Blacksod Point														
Donaghadee	998·6	+4	NW	4	bc-	38	75	7	2500	Cu	4	-	4	3
Birr Castle	1004·9	*	NW	3	b-	37	85	7	2500	St	3	-	3	*
Holyhead	998·6	+6	NW'N	7	bc	46	75	8	4000	Cu	6	-	6	6
Liverpool (Bidston)	995·4	+6	WNW	6	b/r	44	65	8	2500	Cu	2	ASt	3	
Chester (Shotwick)	995·9	+6	WNW	6	b-	44	75	5	1500	CuNb	3	-	3	*
Spurn Head	991·0	+6	W	6	b-	44	92	6	-	-	0	CiCu	2	6
Nottingham	994·2	*	WNW	4	b-	43	85	6	-	-	0	-	0	*
Cranwell	994·0	+6	W'N	4	bc/r	41	92	7	2500	St	3	ACu	5	*
Gorleston	992·6	-3	NW	3	orr	45	97	6	4000	Nb	10	-	10	7
Valencia (Cahirciveen)	1008·0	+4	NW'N	3	c-	44	85	8	-	St	7	-	7	
Roches Point														
Pembroke (St. Ann's H.)	1001·3	+5	WNW	4	c/r	45	75	8	2500	Cu	8	-	8	6
Ross-on-Wye	998·2	+8	W	2	b	42	75	9	4000	CuNb	1	Ci	3	*
Benson	996·2	+9	NW	2	o	46	85	8	-	St	9	-	9	*
Andover	997·3	+6	WNW	4	c-	44	75	7	2500	StCu	8	-	8	*
S. Farnborough	996·9	+8	W'N	3	o/r	45	85	7	4000	StCu	10	-	10	*
London (Kew Obsy.)	995·7	+7	NNW	3	ocro	48	85	6	1500	Nb	10	-	10	*
Croydon	994·1	+2	WNW	4	oprro	49	92	6	450	Nb	10	-	10	*
Oiseton-on-Sea														
Shoeburyness	997·6	+3	WNW	4	orr	49	97	5	1500	St	10	-	10	5
Grain	994·3	+1	NW	5	o/r	45	85	7	1500	St	6	ASt	10	*
Lympne	994·2	+1	NW	5	o/r	47	92	8	2500	St	10	-	10	8
Scilly (St. Mary's)	991·2	-2	WSW	4	o/r	52	97	4	225	Nb	10	-	10	*
Falmouth (Pendennis)	1003·9	+6	NNW	5	c/r	47	75	8	4000	CuNb	8	-	8	7
Plymouth (Cattewater)	1002·9	+8	NW	3	bc/r	46	85	7	4000	CuNb	4	-	4	4
Portland Bill	1001·1	+9	NW	3	bc-	47	75	8	4000	CuNb	4	-	4	3
Southampton (Calshot)	998·7	+5	NW	7	o/r	50	85	7	450	St	10	-	10	8
Dungeness	997·6	+8	NW'W	5	o/r	48	75	8	2500	StCu	5	ASt	10	3
Jersey	992·9	+2	WSW	6	oR-	52	97	7	800	Nb	7	ASt	10	8
	999·2	0	SW	5	o/r	55	92	6	1500	Nb	10	-	10	6

LONDON OBSERVATIONS.

	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. 2nd								YESTERDAY.	TO-DAY.	
Kew				*	*	28	11	-	0·0	*	*
Croydon (24 hours ended 0700)	omrq	ormq	bb	*	*	28	16	-	0·0	*	*
	odRRto	omrq	obmw								
Greenwich (Royal Obsy.)	ort	ort	obx	53	34	25	8·4	-	0·0	94	74
City (Bunhill Row)	*	*	*	*	*	*	*	*	0·0	*	*
Westminster (St. James' Pk.)	*	*	*	54	33	26	8·7	-	0·0	93	78
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	-	0·0	*	*
Camden Square	ort	-	*	53	33	30	9·9	-	*	*	90
Kensington Palace	ort	ort	*	52	34	27	9·5	-	*	70(1st)	91
Hampstead Observatory	*	*	*	51	31	*	10·9	-	0·0	*	80

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T.

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 1st 17h. 30m. to 2nd 06h. 00m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	12 30	10 50	87
δ Ursae Minoris	12 30	10 43	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 today in 1300 & 1800 reports (No or 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 sec.	Strength.	Direc.
13h.				
18h.				
01h.	c	6	-	100
07h.	c	6	-	90

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

23rd November, 1922.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6 52	11 57	4 22
	6 54	11 57	4 20
Greenwich	6 57	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).
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.
jp precipitation within sight of station.
p passing showers r rain.
s snow. ra 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 :—b/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.
rorro = continuous light rain.

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

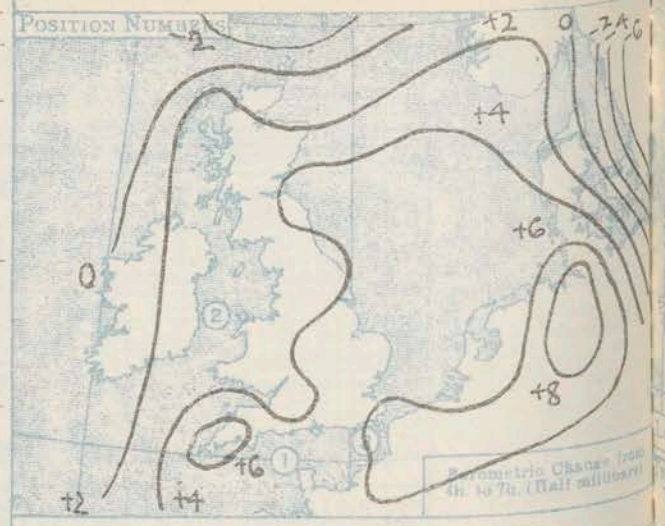
† For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.–13h. 1st	13h.–18h. 1st	18h. 1st to 1h. 2nd	1h.–7h. 2nd	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	cp	c	omqrh	omqrh	44	34	•	trace	4	12.30	<2100	•
Stornoway	p	p	p	p h	42	32	•	7	1	<0800	<2100	1·0
Wick	C	oiRH	crhpq	oprhq	45	32	•	1	2	13.30	<2100	*
Castlebay							•					
Nairn	cqg	prcq	oprac	crsq	42	32	•	1	5	11.00	<2100	0·8
Aberdeen	Roc	bqp	pr.pot	b-bc	45	33	29	4	0·4	<0800	<2100	1·6
Malin Head	Hrq	uhrq	cPHq	cPHq	45	38	•	2	2	11.00	<2100	1·9
Renfrew	oo	bbc	&prb	bbcpro	46	33	27	3	1	<0800	<2100	4·6
Edinburgh (Inchkeith)	ir	bcb	b	b	45	35	36	5	–	15.30	–	4·0
Leuchars	orcbcv	bcbvo		b-bc	46	32	26	7	–	<0800	–	4·3
Eskdalemuir	ormc	cbcb	b	bopo	43	31	29	10	0·1	<0800	0530	4·6
Tynemouth	omd	bcnm	bmq	bmq	44	34	29	0·1	–	<0800	–	•
Blacksod Point ...							•					•
Donaghadee	ir	bchr	bcqp	bcqr	47	34	•	2	0·6	13.30	–	•
Birr Castle ...	cb	cphr			47			0·4		15.30		
Holyhead	omRc	cbc	bcc	cbc	54	39	36	1	–	<0800	–	3·4
Liverpool (Bidston) ...	roc	bcq		coq	50	38	33	6	–	<0800	–	2·2
Chester (Shotwick) ...	orrao prq	oqcproc	bcqpr	bcqbc	49	38	32	4	tr	<0800	2400	•
Spurn Head	oqrr	oqrcq	b.bc	b-bc	49	37	•	3	–	<0800	–	0·0
Nottingham	ir	rc	b	bx	52	33	27	7	–	<0800	–	0·0
Cranwell	orrq	oprcm	brbcm	bcc	51	33	29	6	–	<0800	–	0·0
Gorleston	oqrr	oqrr	cbcb	bxl	49	34	30	12	tr	<0800	–	0·0
Valencia (Cahirciveen)	bcp	cpq	cpq									
Roches Point							•					•
Pembroke (St. Ann's H.)	oqrr	coq	c	b-bc	53	41	•	5	–	11.00	–	0·8
Ross-on-Wye	orrqR	provatt	brbcbq	bcbrcb	53	35	30	9	–	<0800	–	0·1
Benson...	orr	ro	b	bx	54	30	22	9	–	<0800	–	•
Andover	qarrm	orroc	cbcb	bx	54	29	24	12	–	<0800	–	0·0
S. Farnborough ...	Rrqw	oorr	ocb	bx	53	28	21	15	–	<0800	–	0·0
London (Kew Obsy.)...	omrq	ormodm	bb	bbmc	53	34	28	11	–	<0800	–	0·0
Croydon	odRRr q	omrrq	obmw	bwx	54	34	28	16	–	<0800	–	0·0
Clacton-on-Sea ...	oqr	oqr	oqrbc	bcbx	49	35	31	8	3	0900	<2100	0·0
Shoeburyness	orrq	orpoPRhkq	ocbcb	bm	52	33	30	5	–	<0800	–	0·0
Grain	orrrm	orrpq	ocbcb	bb	52	33	28	9	–	<0800	–	0·0
Lympne	corrm	orrdq	+ocbcb	bmc	52	32	27	12	tr	<0800	<2100	0·0
Scilly (St. Mary's) ...	omq	cqr					•	7		14.30		
Falmouth (Pendennis)	ompq	ocbcq		bbc	51	40	•	7	–	14.30	–	0·3
Plymouth (Cattewater)	orm	rocbc	b-bc		55	33	28	7	–	<0800	–	0·0
Portland Bill	oqr	oqr	bcb	b-bc	54	43	•	9	–	<0800	–	•
Southampton (Calshot)	orrqm	mirmo	b-bc	b-bc	54	34	32	11	–	<0800	–	0·0
Dungeness ...	qr	qrr	oqr	bx	52	32	•	10	0·3	0900	<2100	•
Jersey 7h. / Guernsey 1h.	orr	orro	c	o.b.ob	57	42	•	15	1	<0800	<2100	0·0

ISALLOBARS 2nd Nov. 1922

POSITION NUMBERS



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
3	2nd 0300	Dieppe	NW'N	4	b	46	53	7

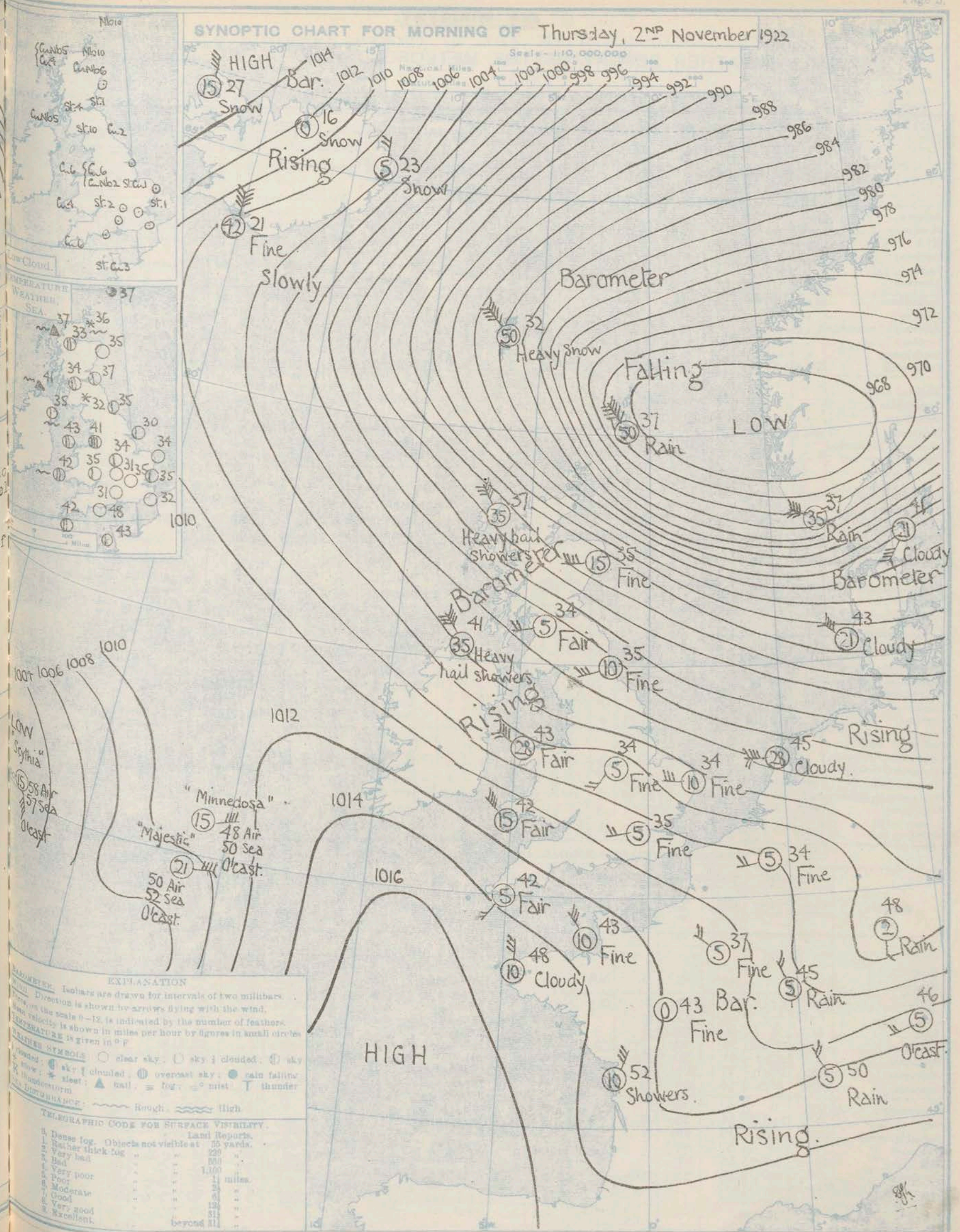
GENERAL INFERENCE.

Another depression is indicated to westward of the mouth of the Channel and will probably move slowly eastward or southeastward. The northwesterly wind in the rear of yesterday's disturbance is likely to continue today decreasing gradually in force, and hail or snow showers will occur in the north.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday November 2nd 1922	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Light or moderate W to WNW. wind becoming indefinite; fair generally; day visibility good but morning mist; cold.	
4. W. Midlands 5. S.W. England 6. South Wales	Light NW. wind probably becoming easterly; fair early less fair later; visibility good apart from morning mist; cold.	Withheld
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Fresh NW. winds decreasing gradually; mainly fair but some showers of hail or sleet; visibility good; cold.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind NW. strong at times; variable sky, some snow or sleet showers; visibility good; cold.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	NW. wind strong to a gale, decreasing gradually; cloudy, some snow; visibility good; cold.	South Cone flying
17. N.W. Ireland 18. N.E. Ireland	As for 7 - 10	
19. S.E. Ireland 20. S.W. Ireland	As for 4 - 6	

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

† For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF Thursday, 2ND November 1922
Scale - 1:10,000,000
HIGH
Bar.
Rising
Slowly
Barometer
Falling
LOW
Heavy Snow
Rain
Heavy hail showers
Fine
Cloudy
Fair
Rising
"Minnedosa"
"Majestic"
"Scythia"
HIGH
Bar.
Rising.
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: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunderstorm; thunder.
SEA. Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
Land Reports.
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 " " ¼ miles.
5. Poor " " ½ "
6. Moderate " " 2 "
7. Good " " 6 "
8. Very good " " 12 "
9. Excellent. " " 31 "
beyond 31 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION THURSDAY 2ND NOVEMBER 1922. No. 30b

Observations at 0100 G.M.T. 2nd

Stations	Barom. at M.S.L. (m.b)	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)	Sea (0-9)
Lerwick	970·8	+2	NW	8	or	37	85	6	4000	Nb	10	-	10	*
Stornoway	995·8	+3	N	6	S	*	*	5	*	*	*	*	*	*
Wick	986·0	+5	NW	8	CPH	39	75	8	2500	CuNb	7	-	7	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1002·7	+2	NW	8	bcPH	40	85	6	-	CuNb	4	-	4	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	996·4	+5	WNW	5	b	37	75	8	-	Cu	1	-	1	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	996·8	+3	SW	3	b	36	85	7	-	-	0	-	0	*
Blacksod Point														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1004·8	+4	NW	7	c	43	75	8	4000	Cu	7	-	7	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	998·9	+4	W	6	b	40	75	6	-	-	0	-	0	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1001·4	+8	W'N	5	b	35	92	6	-	-	0	-	0	*
Gorleston	1000·4	+4	WNW	3	b	37	85	6	-	-	0	-	0	*
Valencia (Cahirciveen)	1012·3	+1	NW'N	4	b	44	75	7	-	-	0	-	0	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1008·7	+5	NW	5	bc	42	75	8	4000	Cu	5	-	5	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1004·5	+6	W'S	3	b-	38	85	7	-	-	0	-	0	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1004·0	+8	NW'W	4	b	34	97	6	-	-	0	-	0	*
Scilly (St. Mary's)														*
Falmouth (Pendennis)														*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1007·2	+4	NW	5	b-	47	85	7	-	-	0	-	0	*
Southampton (Calshot)	1006·1	+6	NW	3	b	38	85	8	-	-	0	-	0	*
Dungeness	1003·6	?	NW	2	b-	39	85	7	-	-	0	CiCu	1	*
Jersey 7h / Guernsey 1h	1008·3	+5	NW	4	c	46	75	9	5750	StCu	7	-	7	*

Observations at 0700 G.M.T. 2nd

Stations	Barom. at M.S.L. (m.b)	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)	Sea (0-9)
Lerwick	968·8	-3	NW	9	orr	37	85	6	2500	Nb	10	-	10	6
Stornoway	995·7	+2	NNW	7	oPH	37	75	6	4000	CuNb	9	-	9	6
Wick	987·0	+1	NW	8	oS	36	92	6	2500	Nb	10	-	10	7
Castlebay														
Nairn	994·3	*	WNW	2	bc/sh	33	85	8	4000	CuNb	6	-	6	*
Aberdeen	992·6	+2	W	4	b	35	85	6	-	-	0	-	0	0
Malin Head	1003·0	+1	NW	7	bcph	41	75	7	-	CuNb	5	-	5	9
Renfrew	1000·9	+2	W	2	bc	34	85	7	1500	St	4	-	4	*
Edinburgh (Inchkeith)	997·0	+3	WSW	5	b	37	85	8	-	St	1	-	1	4
Leuchars	996·6	+5	W	5	b	34	75	8	-	-	0	-	0	*
Eskdalemuir	1001·4	+3	W'N	4	opo₀	32	85	6	1500	St	10	-	10	*
Tynemouth	999·4	+1	WSW	3	b+	35	92	6	4000	Cu	2	-	2	1
Blacksod Point														
Donaghadee	1005·2	+3	NW	3	b	35	85	7	4000	Cu	3	-	3	2
Birr Castle		*												*
Holyhead	1007·5	+2	WNW	6	bc	43	85	8	2500	Cu	6	-	6	5
Liverpool (Bidston)	1005·3	+3	W	8	c	41	65	8	2500	Cu	8	-	8	8
Chester (Shotwick)	1006·1	+2	W	4	bcjp	40	75	8	1500	StCu	5	-	5	*
Spurn Head	1002·1	+4	W	6	b	30	80	7	-	-	0	CiSt	2	6
Nottingham	1006·2	*	SW	2	b-	34	85	6	2500	StCu	1	aCu	2	*
Cranwell	1005·7	+4	WSW	5	bc+	33	92	7	2500	St	2	CiSt	5	*
Gorleston	1004·8	+4	W	3	b	34	85	7	-	-	0	-	0	0
Valencia (Cahirciveen)														
Roches Point														
Pembroke (St. Ann's H.)	1011·6	+3	NW	4	bc	42	65	8	2500	Cu	4	-	4	6
Ross-on-Wye	1009·7	+4	SW	3	b-	35	70	8	2500	St	2	-	2	*
Benson	1009·7	+5	W	2	b-	31	85	7	-	-	0	-	0	*
Andover	1010·6	+5	WNW	3	b	31	85	7	-	-	0	-	0	*
S. Farnborough	1010·2	+5	W'S	1	b	31	92	7	-	-	0	-	0	*
London (Kew Obsy.)	1009·6	+5	WSW	2	b	35	85	6	-	-	0	-	0	*
Croydon	1009·3	+5	WSW	3	b	35	85	7	-	-	0	-	0	*
Clacton-on-Sea	1006·9	+4	W	3	b-	35	85	7	4000	St	1	-	1	0
Shoeburyness	1008·2	+3	WNW	4	mmb	35	85	6	-	-	0	-	0	*
Grain	1009·0	+5	WSW	4	b	34	92	7	-	-	0	-	0	0
Lympne	1009·4	+6	WNW	4	b	32	85	7	-	-	0	-	0	*
Scilly (St. Mary's)														
Falmouth (Pendennis)	1013·5	+5	WSW	2	bc+	42	85	8	4000	Cu	6	-	6	0
Plymouth (Cattewater)	1012·7	+6	-	0	bc-	33	97	7	2500	StCu	6	-	6	0
Portland Bill	1010·1	+3	NW	5	b	48	85	7	-	-	0	-	0	6
Southampton (Calshot)	1011·0	+3	W	3	b	35	85	8	-	-	0	-	0	0
Dungeness	1008·9	+5	NW	2	b	32	97	8	-	-	0	-	0	3
Jersey 7h / Guernsey 1h	1012·8	+3	NW	3	bfr	43	75	8	4000	StCu	3	-	3	3

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

Stations	Weather Fore-noon	Weather After-noon	Temperature Min. Night 31st Oct (°F.)	Temperature Max. Day 1st (°F.)	Rainfall† Night 17h.-9h. 31st-1st (mm.)	Rainfall† Day 9h.-17h. 1st (mm.)	Sunshine (hr.)	Sunshine Sunrise to Sunset 1st (hr.)
Banff								
Montrose	-	-	41	45	13	0·4		3·9
Llandudno	roc	ccb	40	50	3	0·1		1·7
Colwyn Bay	rc	bc	44	54	8	-		0·9
Rhyl	qr	q	40	54	5	3		1·3
Southport	rc	cpbcb	39	49	7	3		2·5
Blackpool	or	cbo	41	50	12	-		2·3
Harrogate	opo	bbcb	37	49	8	1		2·8
Skegness	bcor	orc	35	49	2	6		0·0
Aberystwyth	roc	o	42	52	7	-		1·3
Bath	r	rocbc	34	55	9	7		0·0
Leamington Spa	oro	cbbc	35	53	5	3		0·0
Lowestoft	r	r	37	49	1	12		0·0
Felixstowe	odmr	omr	40	49	-	10		0·0
Southend	or	or	39	50	0·2	3		0·0

Stations	Weather Fore-noon	Weather After-noon	Temperature Min. Night 31st Oct (°F.)	Temperature Max. Day 1st (°F.)	Rainfall† Night 17h.-9h. 31st-1st (mm.)	Rainfall† Day 9h.-17h. 1st (mm.)	Sunshine (hr.)	Sunshine Sunrise to Sunset 1st (hr.)
Paignton	orqor	bcoc	39	46	13	5		0·2
Ilfracombe	orq	qcbc	43	55	19	2		0·0
Bude	rroc	cpcpc	42	55	6	3		0·0
Penzance	or	orbc	47	56	18	2		0·0
Falmouth Observatory	r	oc	44	56	19	4		0·0
Torquay	r	bc	42	57	12	4		0·3
Weymouth	r	rc	46	56	5	9		0·0
Bournemouth	b	b	41	54	4	7		0·0
Portsmouth (S'thsea)	RR	ircb	38	54	6	7		0·0
Worthing	r	ro	38	52	5	9		0·0
Brighton	r	r	39	53	0·1	6		0·0
Eastbourne	r	ro	39	55	1	14		0·0
Hastings	odrR	Rrom	39	52	1	11		0·0
Folkestone	r	d	40	48	0·4	9		0·0
Tunbridge Wells	oror	ororo	35	52	2	19		0·0
Ramsgate	r	r	35	55	0·2	5		0·0
Margate	or	odr	38	50	0·2	4		0·0
Deal	orr	r	37	50	-	15		0·0

* 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.22261 Friday 3rd November 1922.

Observations at 1500 G.M.T. 2nd

STATIONS.	Barom. at M.S.L. m.b	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	State of ground.
Lerwick	972·3	+3	NNW	8	opr.	42	85	7	2500	Nb	10	–	10	*
Stornoway	995·7	0	NNW	5	c PH	40	65	6	4000	CuNb	7	–	7	*
Wick	988·3	0	NW	8	0 S–	36	92	7	2500	Nb	10	–	10	*
Castlebay														
Nairn														
Aberdeen	993·4	0	W'N	5	b	39	65	8	4000	CuNb	1	–	1	1
Malin Head	1004·2	0	WNW	5	bc/s	43	75	7	–	CuNb	5	Ci	6	*
Renfrew	1001·4	0	W	4	c+	43	65	7	4000	StCu	4	Ci	7	2
Edinburgh (Inchkeith)	998·0	–3	W	4	b	40	85	8	–	Cu	1	–	1	*
Leuchars	997·6	0	W	5	b+	42	55	9	2500	Cu	2	ASt	3	0
Eskdalemuir	1002·0	+2	W'N	5	b–	39	65	8	2500	Cu	1	–	1	3
Tynemouth	1001·1	+1	W	4	b	42	75	6	2500	Cu	2	–	2	*
Blacksod Point														
Donaghadee	1006·8	0	WNW	2	bc	42	75	8	–	CuNb	3	CiCu	5	*
Birr Castle	1010·1	*	SW	1	bc	44	75	8	4000	Cu	4	–	4	*
Holyhead	1007·7	–1	W	5	c	46	85	8	2500	Cu	8	–	8	0
Liverpool (Bidston)	1006·3	0	W'S	7	c+	43	65	7	1500	CuNb	7	–	7	*
Chester (Shotwick)	1007·7	+1	W	5	c–	44	65	8	2500	St	4	Ci	7	*
Spurn Head	1004·2	+2	WSW	6	0+	43	75	6	4000	Nb	7	ACu	9	*
Nottingham	1007·1	*	W	5	0	44	65	6	2500	StCu	8	Ci	9	*
Cranwell	1007·4	+1	WSW	4	0+	42	75	8	2500	StCu	9	–	9	0
Gorleston	1007·3	+3	W'N	4	bc+	44	75	7	–	–	0	CiCu	5	*
Valencia (Cahirciveen)	1011·4	–2	–	0	bc	47	?	?	–	CuNb	6	–	6	*
Roches Point														
Pembroke (St. Ann's H.)	1011·5	+2	NW	4	c+	46	65	8	2500	Cu	7	–	7	*
Ross-on-Wye	1010·4	0	W	4	c+	45	65	9	4000	StCu	6	–	6	0
Benson	1010·5	+0	W	3	bc+	44	65	8	–	Cu	5	–	5	1
Andover	1011·2	0	WNW	4	bc	42	65	8	4000	Cu	4	–	4	0
S. Farnborough	1011·2	0	W	3	bc+	46	65	7	4000	Cu	6	–	6	0
London (Kew Obsy.)	1010·5	–1	W	3	b+	45	65	7	5700	Cu	2	–	2	1
Croydon	1010·9	0	WNW	3	b	43	65	7	4000	Cu	3	–	3	2
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	
Shoeburyness	1009·7	+1	W'S	4	bc	45	65	2	2500	Cu	2	–	2	*
Grain	1010·3	0	W	4	b	45	75	6	–	–	0	–	0	2
Lympne	1010·3	–1	W	4	bc	44	65	8	4000	Cu	3	CiSt	4	0
Scilly (St. Mary's)														
Falmouth (Pendennis)	1013·7	–1	W	1	c+	46	75	8	4000	Cu	8	–	8	*
Plymouth (Cattewater)	1013·3	0	WNW	4	c–	46	65	9	2500	StCu	8	–	8	0
Portland Bill	1012·3	+3	W'N	4	bc+	48	75	7	–	–	0	CiSt	5	*
Southampton (Calshot)	1011·8	–1	W'N	4	bc+	46	65	8	4000	Cu	5	–	5	0
Dungeness	1010·9	0	WNW	3	bc+	49	65	8	4000	Cu	6	–	6	*
Jersey	1013·7	0	NW	3	c	49	65	8	4000	StCu	10	–	10	*

Observations at 1800 G.M.T. 2nd

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	978·3	+7	NNW	8	opr.	40	92	6	4000	Nb	8	ASt	10	7
Stornoway	996·3	–1	NNW	3	b	38	75	6	4000	CuNb	3	–	3	2
Wick	989·9	+4	WNW	8	c	37	75	8	4000	CuNb	4	Ci	7	6
Castlebay														
Nairn														
Aberdeen	994·9	*	W	2	b–	35	85	8	4000	Cu	3	–	3	*
Malin Head	1001·3	–4	W'N	6	bc PH	43	85	7	–	CuNb	4	ACu	6	6
Renfrew	1001·1	+1	W	3	ors	36	92	6	1500	Nb	10	–	10	*
Edinburgh (Inchkeith)	997·5	–1	W	6	bopr.	37	85	8	–	?St	6	–	6	5
Leuchars	997·7	0	W	5	b	35	92	9	2500	Nb	2	CiCu	5	*
Eskdalemuir	1001·8	–1	W'S	5	b	34	85	8	2500	StCu	1	–	1	*
Tynemouth	1002·1	+2	SW	3	b	39	85	6	–	–	0	ACu	2	2
Blacksod Point														
Donaghadee	1005·3	–2	WNW	2	b	38	85	8	4000	Cu	1	ACu	3	2
Birr Castle														
Holyhead	1006·8	–1	WSW	4	bc	44	75	8	2500	Cu	4	ASt	5	3
Liverpool (Bidston)	1006·4	–0	WSW	5	bc/h	39	85	8	2500	St	2	CiCu	5	6
Chester (Shotwick)	1006·9	–1	W	3	o+	40	75	4	2500	StCu	10	–	10	*
Spurn Head	1004·4	+1	SW	5	bc	40	92	6	–	–	0	CiSt	5	5
Nottingham	1007·1	*	W	3	o	41	85	6	2500	StCu	4	ACu	9	*
Cranwell	1007·5	+0	WSW	3	opr.	37	97	7	1500	StCu	10	–	10	*
Gorleston	1008·3	+1	WSW	3	bc	39	75	7	–	–	0	CiCu	4	0
Valencia (Cahirciveen)	1007·3	–4	Calm	0	bc	45	85	9	–	Cu	5	–	5	*
Roches Point														
Pembroke (St. Ann's H.)	1010·0	–2	WNW	4	o	246	65	8	1500	St	9	–	9	4
Ross-on-Wye	1009·5	–2	W'S	3	c–	41	75	9	4000	StCu	6	ACu	7	*
Benson	1009·8	0	WSW	3	c+	39	85	8	4000	StCu	8	–	8	*
Andover	1010·8	0	S	1	c+	38	86	8	2500	StCu	7	–	7	*
S. Farnborough	1010·9	0	W	2	b	32	85	7	–	–	0	–	0	*
London (Kew Obsy.)	1010·2	–1	SW	2	b–	41	65	5	–	–	0	ASt	2	*
Croydon	1011·0	+1	SW'S	3	b–	40	65	7	4000	StCu	2	–	2	*
Clacton-on-Sea	1009·4	0	W	2	bc	40	75	7	7200	StCu	4	–	4	0
Shoeburyness	1010·0	0	SW	1	mmc	40	75	6	5700	St	4	ACu	7	*
Grain	1010·3	0	SSW	4	c+	40	85	6	5700	StCu	8	–	8	0
Lympne	1011·0	+1	WSW	3	b	35	85	7	5700	StCu	1	–	1	*
Scilly (St. Mary's)	1011·2	–2	SE'S	1	c+	45	75	8	4000	StCu	3	ASt	8	2
Falmouth (Pendennis)	1011·9	–5	W	2	bc–	44	85	8	4000	Cu	2	ACu	6	0
Plymouth (Cattewater)	1012·0	–2	W	2	0	45	65	8	2500	StCu	10	–	10	1
Portland Bill	1011·2	+2	W	4	0	47	75	7	4000	StCu	10	–	10	4
Southampton (Calshot)	1011·3	–0	WSW	2	bc	39	85	8	4000	StCu	4	–	4	0
Dungeness	1011·1	+1	WNW	2	bc–	40	85	8	4000	Cu	4	–	4	3
Jersey		–1	NW	3	b	42	75	8	4000	StCu	1	–	1	3

LONDON OBSERVATIONS.

	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. 3rd								YESTERDAY.		TO-DAY.
Kew											
Croydon } 24 hours ended 0700	g mwb	bbcozb	bzomd	*	*	29	–	0·1	5·9	*	*
Greenwich (Royal Obsy.)	bmz	bczyb	bowtm	*	*	25	–	tr	7·6	*	*
City (Bunhill Row)	b	bco	bcoid	46	34	28	–	tr	6·5	64	84
Westminster (St. James' Pk.)	*	*	*	*	*	*	*	*	4·0	*	*
Regent's Pk. (Botanic Gdns.)	*	*	*	43	37	32	0·3	*	5·9	65	81
Camden Square	*	*	*	*	*	*	*	*	6·4	*	*
Kensington Palace	bx	c	*	48	38	33	–	0·1	*	90	
Hampstead Observatory	bc	ob	*	47	36	31	–	0·6	67 (18h)	86	
	*	*	*	45	35	30	–	0·1	5·9	87	

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

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

South Kensington

Max.	Time.	Min.	Time.
1·0 1·3	0700 1st 0900 2nd	<0·3	0100–0600 2nd

Kew Observatory

Max.	Time.	Min.	Time.
–	–	–	–
0·5	0800 1st		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 2nd 17h 30m to 3rd 06h 00m

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	12 30	5 24	84
δ Ursae Minoris	12 30	3 18	28

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 today in 1300 & 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 freezing rain or melted snow.

RADIO DISTURBANCES (Atmospherics) AT CROYDON.

Time.	Type.	No. per 4 sec.	Strength.	Direc.
12h.	–	–	–	–
18h.	c	6	–	15
01h.	c	6	–	140
07h.	c	6		150

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

3rd–4th November, 1922.

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 01	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 09 5 07

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.
jp 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.
ro/o = continuous light rain.

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 5.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.–13h.	13h.–18h.	18h. to 1h.	1h.–7h.	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	cqr	omp	omqrh	omqrh	43	37	•	8	2	<0800	<2100	•
Stornoway	p	h-rh	b-bc	phr	40	33	•	1	4	<0800	<2100	5·7
Wick	PHoq	c	OPSR	ORR	40	33	•	3	7	<0800	<2100	•
Castlebay	bq						•					
Nairn	cbc	cjrsbc	bcc	proo	39	33	•	–	0·3	–	03·30	4·7
Aberdeen	bq	bqb	b-bc	b-bc	40	34	26	–	–	–	–	8·1
Malin Head	pocos	emphr	coprh	COPR	45	37	•	1	7	15.30	<2100	4·1
Renfrew	bbccpo	ocprsoph		ombcx	44	34	25	3	9	<0800	<2100	5·5
Edinburgh (Inchkeith)	b	bmp	rr	bcir	42	36	33	1	2	17.30	–	7·0
Leuchars	bqb	bprs	b-bc		42	30	19	trace	–	17.30	–	8·2
Eskdalemuir	cpob	b	copo	coiam	40	33	31	0·1	1	<0800	<2100	6·2
Tynemouth	bmq	bcmq	bm	cm	42	35	29	–	–	–	–	•
Blacksod Point ...							•					•
Donaghadee	bc	bc	bc	bc	44	33	•	–	–	–	–	•
Birr Castle ...	cobc											
Holyhead	cbcc	bpbc	bccoo	ooc	46	42	36	trace	–	16.30	–	5·5
Liverpool (Bidston) ...	bchq	bcphq	rco		45	38	31	1	1	15.30	<2100	3·0
Chester (Shotwick) ...	bcbcq	bcsa	Obco	oo	46	34	28	–	–	–	–	•
Spurn Head	cmqrh	c	c	c	43	37	•	–	–	–	–	4·2
Nottingham	b	c	bc	c	46	35	30	–	–	–	–	3·8
Cranwell	bbcc	prs	mm	oo	44	34	31	trace	tr	15.30	2400	4·9
Gorleston	bcc	bc	bcx	bccox	46	29	28	–	–	–	–	7·4
Valencia (Cahirciveen)		cv	orp									
Roches Point							•					•
Pembroke (St. Ann's H.)	c	co	oo	orr	47	41	•	–	3	–	0130	3·1
Ross-on-Wye	bcb	cv	bcrco	oqr	47	37	33	–	0·2	–	0630	5·0
Benson	bbc	bcc	bcc	cor	46	35	29	–	0·2	–	0630	•
Andover	bxbc	bcbbcc	co	orr	47	30	26	–	0·3	–	0630	7·4
S. Farnborough ...	bbc	b-bc	bc	oorr	47	33	25	–	0·3	–	0630	6·9
London (Kew Obsy.) ...	qmrb	bbcozb	bzom	omomr	45	36	29	–	0·1	–	0630	5·9
Croydon	bmz	bczyb	bow	owrm	46	33	25	–	tr	–	0630	7·6
Clacton-on-Sea ...	bc	bbc	bcb	bbcco	45	38	33	–	–	–	–	8·3
Shoeburyness	bm	bmbcmc	cmbcm	coidm	46	34	28	–	tr	–	0630	7·4
Grain	bmz	bcbcc	cbcc	cor	45	33	28	–	tr	–	–	7·1
Lympne	c	b-bc	bbcx	bccor	44	33	23	–	tr	–	0630	8·1
Scilly (St. Mary's) ...		bc	ocr	oqrr	51	43	•	–	5	–	2400	4·8
Falmouth (Pendennis)	bcc	cbc		omr	49	41	•	–	12	–	2400	3·5
Plymouth (Cattewater)	b-bc	bbco	cbc	oor	48	38	33	–	5	–	0230	4·4
Portland Bill	b-bc	bco	oo		51	44	•	–	1	–	0530	•
Southampton (Calshot)	b-bc	bc	oo	oirm	47	38	35	–	0·2	–	0630	6·9
Dungeness	b-bc	c	b-bc	oo	49	38	•	–	–	–	–	
Jersey 7h } ...	b-bc	cb	c	coiro	51	35	•	–	9	–	2400	7·0
Guernsey 1h }												

ISALLOBARS

Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	2nd 1000	Scotia	W'N	5	bcv	42	53
1	2nd 1200	—	NNW	4	b	47	55
3	3rd 0300	—	WSW	2	0	47	53

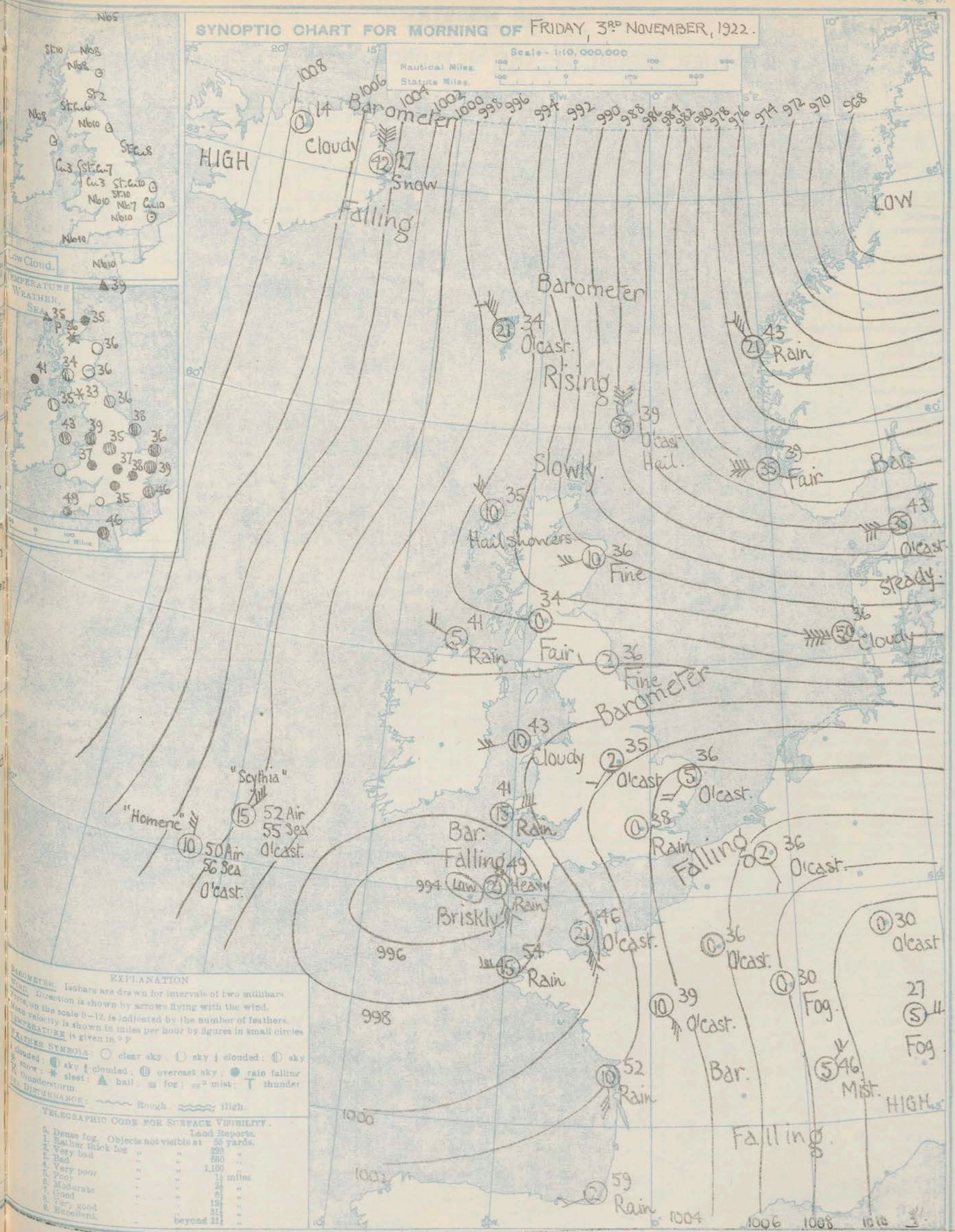
GENERAL INFERENCE.

The new depression off our S.W. coasts will move northeastc causing rain or sleet over the British Isles generally with temporarily higher temperature in the South. Winds are likely to become Northerly again in the rear of the depression.

Districts.	Forecasts for the 24 hours commencing 15h G.M.T. Friday, 3rd November, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	At first Wind S.E. strong at times; rainy; milder temporarily. Later wind northerly, colder, risk of snow or sleet showers, mist in places.	Cold and unsettled
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Easterly winds backing to the north, moderate or fresh; dull some rain or sleet; visibility moderate; cold.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Northerly winds strong at times; dull some rain, snow or sleet; visibility mainly good; cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind between N.E. and N.W. moderate; dull some rain or sleet; visibility mainly good; cold.	

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

† For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF FRIDAY, 3RD NOVEMBER, 1922.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
HIGH
LOW
Barometer
Falling
Rising
Slowly
Briskly
Steady.
Bar.
Falling.
Fine Barometer
"Homeric"
"Scythia"
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: 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.
Land Reports.
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 " " 1 miles.
5. Poor " " 2 "
6. Moderate " " 3 "
7. Good " " 5 "
8. Very good " " 12 "
9. Excellent. " " 31 "
beyond 31 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Friday...3rd November.....1922. No. 307...

Observations at 0100 G.M.T.....3rd.....

Stations.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	983·5	+4	NNW	6	oh(r)	40	85	6	2500	Nb	5	a St	10	•
Stornoway	997·0	-1	NW	5	o	•	•	6	•	•	•	•	•	•
Wick	990·1	0	WNW	6	c/ok	35	97	8	2500	Nb	7	-	7	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	998·3	-2	W	5	oPR	39	97	7	5750	Nb	3	a St	9	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	995·9	-2	W	5	bc	38	92	8	-	Cu	6	-	6	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	998·0	-3	SW	1	b	37	85	6	-	-	0	-	0	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1002·6	-3	SSW	4	o	45	75	8	4000	Cu	2	a Cu	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1002·6	-3	SW's	4	o	39	92	7	4000	St Cu	10	-	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1005·2	-4	SW	3	o	35	92	6	4000	St Cu	5	a Cu	9	•
Gorleston	1007·2	-1	WSW	3	bt	35	85	7	-	-	0	Ci Cu	3	•
Valencia (Cahirciveen)	1001·2	-5	SE	3	o/r	40	92	6	-	St	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1004·0	-5	SW	5	o	46	65	8	4000	St Cu	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	1008·2	-3	-	0	0	33	85	8	-	-	0	Ci St	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1008·3	-3	W	3	bc	34	92	7	-	-	0	Ci St	4	•
Scilly (St. Mary's) ...	1004·0	-4	SE	5	c/r	48	85	8	4000	Nb	8	-	8	•
Falmouth (Pendennis)														•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1007·0	-3	NW	4	c	46	85	7	1500	St Cu	8	-	8	•
Southampton (Calshot)	1006·9	-3	SW	2	o	44	95	8	4000	St Cu	7	a Cu	10	•
Dungeness	1007·8	*	WSW	2	c/r	43	65	8	-	-	0	a Cu	8	•
Jersey 7h } ... ... Guernsey 1h }	1006·5	-5	SSE	6	o	47	85	7	-	-	0	a St	10	•

Observations at 0700 G.M.T.....3rd.....

Stations.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	987·6	+4	N	6	oh(r)	39	85	6	2500	Nb	5	a St	10	5
Stornoway	994·8	+1	NW	3	obh	35	97	6	450	St	10	-	10	2
Wick	991·1	+2	WNW	1	oRR	35	97	8	2500	Nb	8	a St	10	0
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	993·5	•	W	2	c/s	36	85	8	2500	Nb	8	-	8	•
Aberdeen	992·8	-1	WSW	3	b	36	75	8	-	-	0	-	0	0
Malin Head	996·7	-1	WNW	2	c/r	41	85	7	5750	Nb	8	-	8	5
Renfrew	996·7	0	-	0	bc	34	97	6	4000	St Cu	6	-	6	•
Edinburgh (Inchkeith)	995·1	-1	WSW	4	mbc	36	97	6	-	St	2	Ci St	5	3
Leuchars	994·9	-1	-	0	bc	30	97	8	4000	Cu	1	a St	5	•
Eskdalemuir	994·5	-2	SW	2	oS	33	65	4	1500	Nb	10	-	10	•
Tynemouth	998·3	-2	W	1	b	36	97	6	-	-	0	a Cu	3	1
Blacksod Point ...														
Donaghadee	999·5	0	WNW	2	b-	35	92	8	-	-	0	a Cu	2	2
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	999·2	-3	SW'W	3	c	43	75	8	2500	Cu	3	a Cu	7	1
Liverpool (Bidston) ...	999·3	-2	SSW	3	o/r	39	92	8	2500	St Cu	10	-	10	4
Chester (Shotwick) ...	999·9	-3	SE	2	o	39	85	7	2500	St Cu	10	-	10	•
Spurn Head	1000·1	-2	SW	4	c	38	92	6	4000	St Cu	8	-	8	4
Nottingham	1001·0	•	SW	1	o	35	97	5	2500	St Cu	10	-	10	•
Cranwell	1001·6	-5	WNW	3	o	37	92	6	2500	St Cu	6	a Cu	10	•
Gorleston	1004·1	-2	SW'W	2	ot	36	85	6	-	-	0	a Cu	10	0
Valencia (Cahirciveen)														
Roches Point	998·8	-3	E	4	o/r	41	85	8	800	Nb	10	-	10	4
Pembroke (St. Ann's H.)	1000·9	-3	ESE	1	o/r	37	85	7	2500	Nb	10	-	10	•
Ross-on-Wye	1001·3	-4	-	0	o/r	37	92	6	2500	St	10	-	10	•
Benson...	1001·1	-5	E	2	o/r	36	92	7	1500	Nb	10	-	10	•
Andover	1001·9	-5	SE	3	o/r	35	92	5	800	Nb	10	a St	10	•
S. Farnborough ...	1002·1	-3	-	0	o/r	38	85	5	2500	Nb	7	-	10	•
London (Kew Obsy.)...	1002·3	-6	S	1	o/r	37	85	6	1500	St	10	-	10	0
Croydon	1003·4	-5	SW	1	ot	39	85	7	4000	Cu	10	-	10	-
Clacton-on-Sea ...	1003·0	-3	NE	1	od	37	85	6	2500	St Cu	7	a Cu	10	0
Shoeburyness	1002·9	-5	SE	2	or	40	85	7	2500	St	10	-	10	•
Grain	1003·4	-4	S	3	or	41	92	8	1500	Nb	5	a St	10	•
Lympne														
Scilly (St. Mary's) ...	994·2	-3	W	5	c/r	53	75	7	1500	St	8	-	8	5
Falmouth (Pendennis)	995·5	-6	SE	5	oRR	49	97	6	4000	Nb	10	-	10	4
Plymouth (Cattewater)	996·1	-9	ESE	2	o/r	47	97	7	1500	Nb	10	-	10	0
Portland Bill	999·1	-4	SSE	6	o/r	46	85	7	450	St	10	-	10	5
Southampton (Calshot)	1000·1	-7	SE	3	o/r	45	75	6	1500	St	10	-	10	0
Dungeness	1003·3	*	SSW	4	o	46	75	8	-	-	0	a St	10	4
Jersey 7h } ... ... Guernsey 1h }	998·4	0	SE	5	o/r	46	97	7	1500	Nb	10	-	10	6

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR.....Thursday 2ND NOVEMBER, 1922.

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. °F.	Temperature. Max. Day. °F.	Rainfall.† Night 17h.-9h. mm.	Rainfall.† Day 9h.-17h. mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. hr.
Banff								6·7
Montrose			33	42	—	—		5·9
Llandudno	bccb	cbc	36	46	0·2	-		4·7
Colwyn Bay ...	bc	bc	38	45	-	-		3·2
Rhyl...	bc	bc	37	46	2	-		5·9
Southport	cbcch	cbcc	38	45	2	1		4·3
Blackpool			37	46	2	1		4·2
Harrogate	cpbh	bbcb	32	43	-	0·1		5·6
Skegness	bbc	bc o	35	43	6	—		4·6
Aberystwyth ...	toc	cbcco	44	47	2	-		4·5
Bath	b	b	31	47	—	—		7·7
Leamington Spa ...	-	-	31	45	-	-		5·2
Lowestoft	b	b	33	46	1	—		8·1
Felixstowe	b	b	35	46	—	—		8·3
Southend	b	bcc	32	47	0·1	—		6·8

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. °F.	Temperature. Max. Day. °F.	Rainfall.† Night 17h.-9h. mm.	Rainfall.† Day 9h.-17h. mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. hr.
Paignton	bmbb	com	34	51	-	-		3·7
Ilfracombe	cbcc	cbcc	43	49	-	-		2·4
Bude	o	o	43	48	-	-		2·3
Penzance	c o	bc b	39	50	-	-		3·1
Falmouth Observatory	obcc	bc	37	51	-	-		5·9
Torquay	b	bc	34	49	-	-		6·3
Weymouth	b	b bc	35	48	-	-		6·2
Bournemouth ...	b	b	32	47	-	-		7·3
Portsmouth (S'thsea)	b	b	36	47	-	-		8·4
Worthing	b	bc.c	32	47	-	-		8·2
Brighton	b	b	36	46	-	-		8·7
Eastbourne	b	bc	35	47	-	-		8·0
Hastings	b	b bcb	32	47	0·2	-		8·0
Folkestone	b	b	43	7[illegible]	-	-		7·8
Tunbridge Wells ...	b	bbcb	30	41	-	-		7·6
Ramsgate	b	b bc	33	47	1	-		6·3
Margate	b	bbcc	39	45	Trace	-		8·8
Deal	b	b bc	35	46	1	-		

* 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. 22262 SATURDAY 4TH NOVEMBER 1922.

Observations at 1500 G.M.T. 3rd / Observations at 1800 G.M.T. 3rd

Stations	1500 Barom. at M.S.L. m.b	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	State of ground	1800 Barom. at M.S.L. m.b	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	Sea 0-9
Lerwick	993.1	+3	NNW	5	cph₀	37	65	7	4000	Cu	7	·	7	*	993.5	0	NNW	3	bc	32	85	7	4000	Cu	4	-	4	2
Stornoway	997.2	+2	NE	3	c-	41	75	6	800	St	7	·	7	*	999.9	+2	NE	4	o-	35	92	6	450	St.	10	-	10	3
Wick	994.4	+4	N	5	o	40	75	8	4000	St	9	·	9	*	995.8	+2	N	3	cprs	35	92	8	2500	CuNb	6	Ci	7	1
Castlebay	996.7	0	NNE	4	odd	40	85	7	800	Nb	10	·	10	*	998.8	+2	NE	3	b/r	39	75	7	1500	Cu	2	-	2	3
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*		997.2	*	WNW	1	bc(sh)	34	85	8	1500	Cu	5	-	5	*
Aberdeen	994.2	+2	NWW	3	or₀	37	97	6	2500	Nb	10	·	10	1	995.7	+2	NWW	2	c/s(h)	32	92	7	4000	St.Cu	3	A.St	8	0
Malin Head	996.5	0	W	1	cr	39	97	8	5700	Nb	7	-	7	*	996.2	0	WNW	3	ch(r)	39	92	7	5700	Nb	8	-	8	4
Renfrew	996.1	-1	WNW	1	bc-	43	85	7	4000	Cu	2	Ci	6	2	996.4	+2	NNE	1	o	39	85	6	4000	St.Cu	10	-	10	*
Edinburgh (Inchkeith)	994.8	-2	W	4	mb-	41	65	6	*	StCu	1	Ci	2	*	?	+2	ESE	3	od₀	37	85	8	-	St.Cu	10	-	10	2
Leuchars	994.6	-1	NW	3	c+	41	65	8	5700	StCu	6	ASt	8	1	995.9	+3	-	0	o/r	36	92	7	1500	St.	10	-	10	❄
Eskdalemuir	996.1	-1	WNW	1	bc-	37	85	7	·	·	0	ACu	4	2	996.0	0	-	0	c+	32	85	6	-	-	0	A.Cu	8	*
Tynemouth	996.5	-2	W	2	c	43	85	6	4000	StCu	8	·	8	*	995.6	0	SW	2	bc	38	92	6	-	-	0	A.St	4	1
Blacksod Point	997.8	-2	WNW	4	cpr₀	41	85	8	-	CuNb	7	-	7	6														
Donaghadee	998.3	-2	WNW	2	c+	41	85	8	4000	StCu	5	ACu	7	*	997.5	+1	WSW	1	bc	38	92	8	4000	St.Cu	5	-	5	0
Birr Castle		*														*												*
Holyhead	997.9	-1	WNW	2	bc	46	75	8	4000	Cu	6	·	6	0	996.1	-1	SW	3	o/r	42	85	7	1500	CuNb	9	-	9	1
Liverpool (Bidston)	996.9	-2	SW	1	bc+	44	75	8	2500	CuNb	4	·	4	*	995.6	-1	WSW	3	c/r	40	85	7	2500	St.Cu	7	-	7	3
Chester (Shotwick)	997.5	-2	SW	3	o+	46	65	7	5700	StCu	9	·	9	0	995.9	-1	-	0	fc	36	92	3	5700	St.Cu	4	A.Cu	7	*
Spurn Head	996.9	-4	WSW	3	o	45	85	6	1500	StCu	10	·	10	*	994.7	-2	SW	3	b	41	92	5	-	-	0	-	0	4
Nottingham	997.8	*	SW	2	o	42	75	5	1500	St	3	ACu	9	δ	996.0	*	SW	2	o	39	92	5	2500	St.Cu	3	A.Cu	9	*
Cranwell	998.8	-2	SW	3	o	42	85	6	4000	StCu	10	·	10	0	996.6	0	SW'W	3	o	36	97	6	2500	St.Cu	9	-	9	*
Gorleston	1000.6	-3	WSW	2	or₀r₀	40	92	6	-	Nb	10	-	10	*	997.6	-2	-	0	od₀d₀	40	92	6	2500	Nb	10	-	10	0
Valencia (Cahirciveen)	1000.3	-3	-	0	o	45	92	9	*	StCu	10	-	10	*	1000.3	0	NW	4	or₀+	44	85	6	<150	St.	10	-	10	–
Roches Point																												
Pembroke (St. Ann's H.)	997.9	-1	NE	3	o/r	44	85	8	2500	StCu	10	·	10	*	997.9	+1	NNW	1	o/p	42	92	8	2500	Nb	10	-	10	3
Ross-on-Wye	998.0	-3	ENE	2	odd₀	39	97	6	1500	Nb	10	·	10	1	996.4	-1	-	0	od-	39	97	5	800	Nb	10	-	10	*
Benson	997.5	-3	ESE	2	or₀	42	92	6	-	St	10	-	10	*	995.5	0	NNE	1	o	39	92	6	-	St.	10	-	10	*
Andover	996.9	-4	E	3	odd	42	97	5	800	Nb	10	·	10	*	995.4	-1	NE	2	o/r	41	92	7	1500	Nb	8	A.St	10	*
S. Farnborough	997.6	-3	E'S	3	orr	42	92	6	800	Nb	10	·	10	2	995.4	-1	-	0	o/r	41	85	5	?	St.Cu	10	-	10	*
London (Kew Obsy.)	997.7	-4	E'S	2	odd	43	92	3	1500	Nb	10	-	10	2	995.7	-1	E'S	2	o/r	41	85	4	1500	St.	10	-	10	*
Croydon	998.7	-2	SE'S	2	or₀r₀	41	92	6	1500	Nb	8	ASt	10	2	996.1	-1	ESE	2	o/r	39	92	6	1500	St	6	A.St	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*		995.8	-3	-	0	od₀d₀	41	92	7	1500	Nb	10	-	10	0
Shoeburyness	998.5	-3	SE	1	or₀r₀	42	92	5	1500	St	10	·	10	*	995.9	-2	-	0	od₀	40	85	6	1500	St.	10	-	10	*
Grain	998.5	-3	ESE	2	or₀+	42	97	6	1500	Nb	10	·	10	2	996.1	-1	ENE	2	o/r	41	92	7	2500	St.Cu	10	-	10	0
Lympne	998.1	-4	SE	3	or₀r₀	40	97	6	450	Nb	10	·	10	1	994.8	-3	NE	3	or₀r₀	39	97	6	450	Nb	10	-	10	*
Scilly (St. Mary's)	996.0	+3	NNW	5	o+	51	85	8	4000	StCu	10	·	10	*	998.0	+2	NW	2	oPR	48	85	8	4000	St.Cu	10	-	10	5
Falmouth (Pendennis)	994.1	0	-	0	o-	53	97	6	4000	Cu	9	·	9	*	997.2	+4	NNW	2	o	47	92	8	-	St.Cu	10	-	10	1
Plymouth (Cattewater)	994.3	-1	E	3	odd	47	97	6	800	Nb	10	·	10	2	996.5	+3	NW	3	o	46	97	6	1500	St.Cu	10	-	10	0
Portland Bill	994.6	-5	SSE	6	or₀r₀	47	85	6	450	St	10	·	10	*	994.6	0	NE'E	5	o/r	45	85	7	450	St.	10	-	10	4
Southampton (Calshot)	996.0	-4	ENE	4	or₀r₀	43	92	6	800	Nb	10	-	10	0	994.2	+1	N	2	o/r	42	92	7	1500	St.	10	-	10	0
Dungeness	998.6	?	SSW	3	or-	43	97	7	-	-	0	ASt	10	*	994.8	?	E	3	orr	42	97	7	-	-	0	A.St	10	3
Jersey 7h / Guernsey 1h	995.6	0	WSW	5	odd	54	92	6	1500	Nb	10	-	10	*	994.1	-1	WSW	5	odd	52	97	6	1500	Nb	10	-	10	6

LONDON OBSERVATIONS.

Weather, Temperature, Rainfall: 24 Hours ended 0900 G.M.T. 4th. Sunshine: Yesterday. Humidity 9h.: To-day.

Station	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall m.m. Day	Rainfall m.m. Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
Kew	ofd	b'didm	ofd₀cc	*	*	37	3	2	0.0	*	*
Croydon (24 hours ended 0700)	of₀mm	of₀f₀m	omff	*	*	36	1	2	0.0	*	*
Greenwich (Royal Obsy.)	ofdm	oidm	oidr'b	43	36	31	2	2	0.0	90	78
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*	43	37	32	4		0.0	81	77
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	0.0	*	*
Camden Square	o	o	*	42	37	34	5	-	*	*	81
Kensington Palace	or	o	*	41	37	30	3	2	*	98 (18h)	76
Hampstead Observatory	*	*	*			*			0.0	*	

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 3rd

South Kensington

Max.	Time.	Min.	Time.
1.0 / 2.0	2nd 17h / 3rd 10h	0.3	3rd 13h

Kew Observatory

Max.	Time.	Min.	Time.
0.7 / 1.4	2nd 19h / 3rd 11h	0.3	3rd 2h

POLE STAR RECORD at Greenwich Obsy.

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

Stars.	Exposure. h. m.	Record. h. m.	%
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 today in 1300 & 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.	C	6	-	155
18h.	C	6	-	150
01h.	C	6	-	100
07h.	C	6	-	145

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

4th to 5th Nov. 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.56 / 6.58	11.37 / 11.37	4.17 / 4.16
Greenwich	7.1 / 7.3	11.44 / 11.44	4.27 / 4.26
Wick	7.38 / 7.40	11.56 / 11.56	4.14 / 4.12
Valencia	7.43 / 7.45	12.23 / 12.23	5.7 / 5.5

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.
jp 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.
r₀r₀ = continuous light rain.

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.

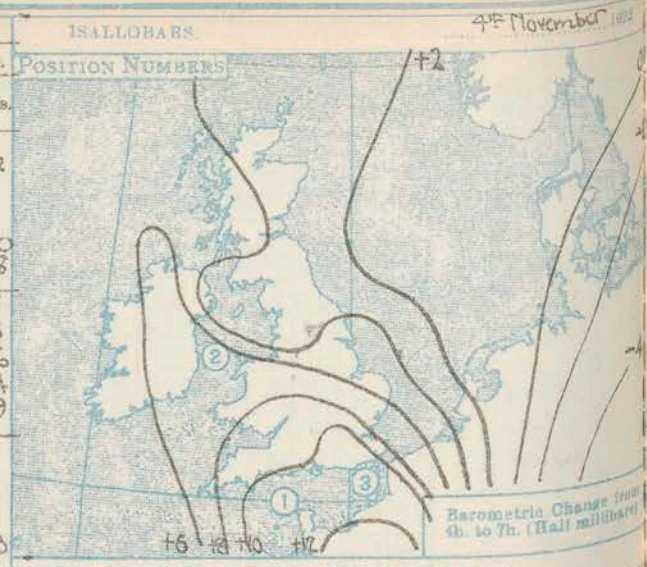
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

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

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 3rd	WEATHER. 13h.-18h. 3rd	WEATHER. 18h. 3rd to 1h. 4th	WEATHER. 1h.-7h. 4th	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	bcbcphr	cphs	bc|s	cps	40	30	•	0·2	trace	<0800	<2100	•
Stornoway	p	p	s-rs	phs	43	32	•	3	2	-	<2100	3.2
Wick	oo	c	cphs	cphsq	41	30	•	1	2	<0800	<2100	•
Castlebay	berr	rropt					•	3		-		
Nairn	prsoc	cbcg	bcbxc	bccg	38	28	•	3	-	<0800	-	0.0
Aberdeen	bcoir	oirsc	c	is	38	30	25	3	1	1100	2400	0.8
Malin Head	coirv	coihr	phrbc	bcvq	41	37	•	2	1	<0800	<2100	1.5
Renfrew	bcxmobc	bco3	obmbc	bbxv	44	28	16	trace	-	<0800	-	5.5
Edinburgh (Inchkeith)	bm	ido	c	bc	43	35	29	0·1	trace	1730	-	5.6
Leuchars	bcxc	oido	b	bc	42	29	22	1	-	1430	-	3.4
Eskdalemuir	oso bc	bcc	c	cbx	39	26	20	3	-	<0800	-	2.9
Tynemouth	bcm	bo	cmirs	irmbc	44	30	26	-	3	-	2200	•
Blacksod Point ...	bc	bc	oqp	bcpo	42	35	•	-	1	-	<2100	•
Donaghadee							•					•
Birr Castle ...												
Holyhead	cbc	bccop	iRHirMdl	oRrc	47	37	34	0·5	5	1730	<2100	3.3
Liverpool (Bidston) ...	cbcb	p	c	c	46	35	30	0·5	5	1530	<2100	3.6
Chester (Shotwick) ...	oco	b.bc3	cforr	ocbcx	46	31	26	-	5	-	<2100	•
Spurn Head	oo	b.bc	f-m	bmobx	45	35	•	-	3	-	0230	1.8
Nottingham	cm	c	cm	rr	44	34	29	-	1	-	2200	0.3
Cranwell	omco	oco3	mr	rs	43	32	30	-	1	-	2400	0.0
Gorleston	or.r	oo	om	olr	42	35	32	1	3	0900	0330	0.0
Valencia (Cahirciveen)	cv	po	ov									
Roches Point							•					•
Pembroke (St. Ann's H.)	p	p	coqp	oprho	46	38	•	1	2	<0800	0330	0.2
Ross-on-Wye	rromdm	drmgomd	dmomc	rebbx	40	34	25	2	1	<0800	<2100	0.0
Benson...	o	rro	oco	oco	43	34	30	2	2	<0800	<2100	•
Andover	omdd	omd.d.o	od.oc	cprb	?	35	31	1	0.3	<0800	<2100	0.0
S. Farnborough ...	orr	oo	oor	orroc	43	36	32	1	3	<0800	<2100	0.0
London (Kew Obsy.) ...	ofd	ofdoidm	omofdr	omrcm	43	37	31	3	2	<0800	2200	0.0
Croydon	or.hm	or.rom	omrr	orrm	43	36	31	1	2	<0800	2400	0.0
Clacton-on-Sea ..	ogr	ogrd	ogdm	ogmc	44	37	34	3	1	<0800	<2100	0.0
Shoeburyness	oidmorm	orromd	oid.	oprio	44	36	34	3	1	<0800	<2100	0.0
Grain	rrm	rrro	or.o	or.o	43	36	31	1	2	<0800	2400	0.0
Lympne	r.m	r.r.mrr	or.m	orm	42	36	32	3	1	<0800	2400	0.0
Scilly (St. Mary's) ..	becq	p	oqp	p	50	41	•	0·1	3	1730	<2100	2.9
Falmouth (Pendennis)	oir	om	op	c	54	42	•	1	0.4	<0800	<2100	0.3
Plymouth (Cattewater)	ordm	odm	odoc	bbc	50	41	36	2	0.2	<0800	<2100	0.0
Portland Bill	ogr	op	oo	ob	48	40	•	2	-	<0800	-	•
Southampton (Calshot)	or.r.	ir.o	or.r.m	oo	45	38	37	1	0.2	<0800	<2100	0.0
Dungeness	r-d.	r.ord	rr	p	46	37	•	3	0.3	0900	<2100	•
Jersey 7h / Guernsey 1h	crrd	odd	odd	oddro	56	43	•	3	3	<0800	<2100	0.3



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility.
2	3rd 1010	Scotia	WNW	3	cv	43	53	7
3	4th 0300	Dieppe	NNW	4	r+	42	52	

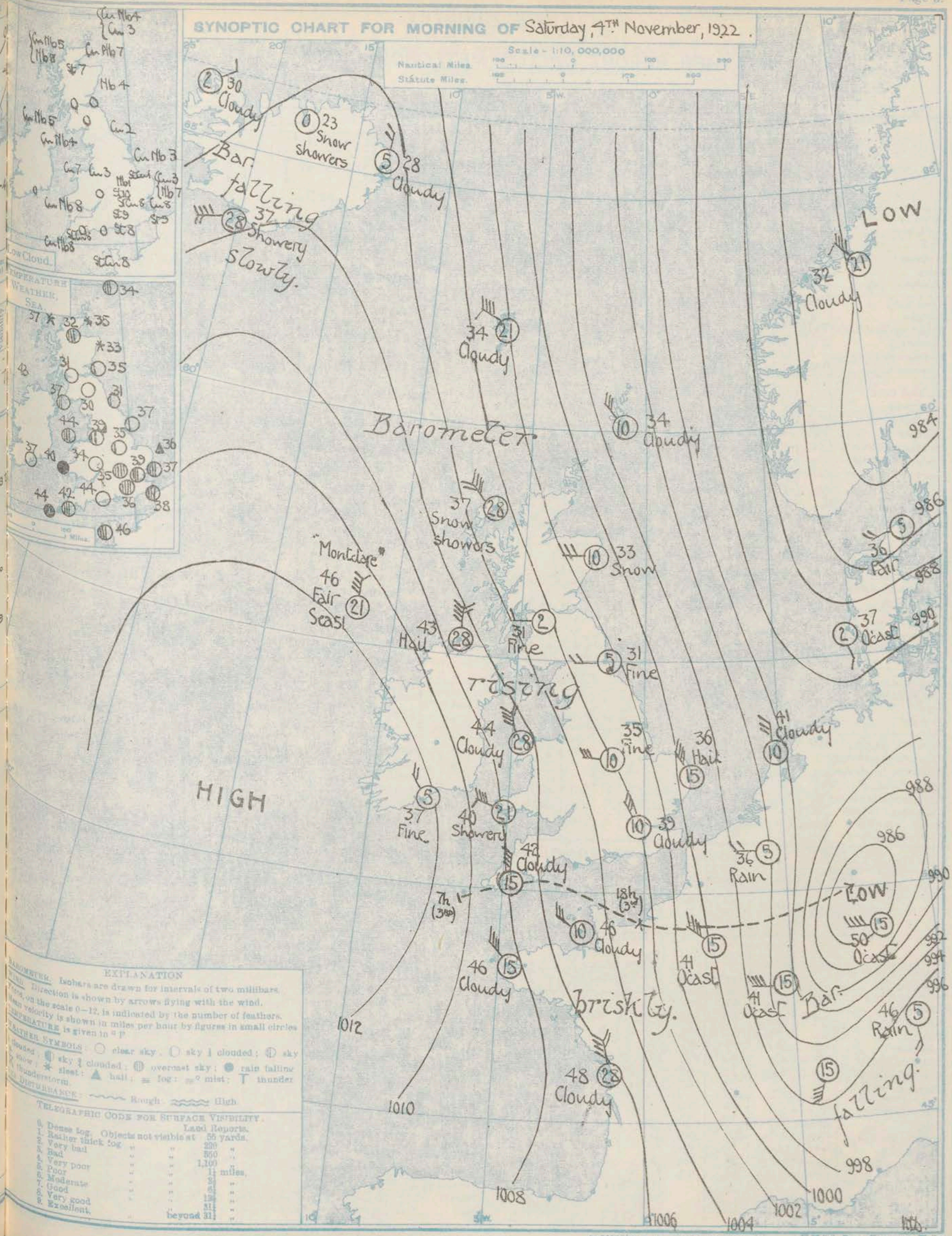
GENERAL INFERENCE.

A wedge of high pressure is spreading in quickly from the West and the winds will be northerly to northwesterly generally with mainly fair weather, but some showers of snow in the north and rain, sleet or hail in the south. Another depression is however indicated further westward and these conditions are likely to be temporary.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday. 4th November, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind NW. or N. fresh to strong, moderating later; mainly fair but hail or sleet showers in places; visibility good; cold.	Withheld.
4. W. Midlands 5. S.W. England 6. South Wales	Wind NW. or N. moderate or fresh, moderating; mainly fair but showers in places; visibility good; cold.	
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 NW. moderate or fresh, moderating; mainly fair but some snow, sleet or hail showers; visibility good; cold.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind NW, moderate or fresh; variable sky, some snow showers; visibility good; cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind NW. or N. fresh or strong, moderating and probably becoming southerly later; mainly fair, but some showers; visibility good; cold.	

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

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Saturday, 4th NOVEMBER 1922. No. 308

Observations at 0100 G.M.T. 4th

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	9937	0	NNW	2	bc p3	32	85	7	4000	CuNb	4	-	4	.
Stornoway	10012	+2	N	4	5	.	.	5	.	.	.	.	.	.
Wick	9961	0	NNW	2	bc 5	31	97	8	2500	CuNb	4	Ci	6	.
Castlebay	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nairn	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Aberdeen	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Malin Head	10028	+5	NNW	6	bc p3h	42	75	7	-	CuNb	4	-	4	.
Renfrew	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Edinburgh (Inchkeith)	9992	+3	WNW	3	bc	35	65	8	-	-	0	CiCu	6	.
Leuchars	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eskdalemuir	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Tynemouth	9967	+1	NW	2	or	37	92	6	4000	Nb	10	-	10	.
Blacksod Point ...														.
Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Holyhead	9987	+5	N	6	c/tr	44	75	8	2500	Cu	6	ACu	8	.
Liverpool (Bidston) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chester (Shotwick) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spurn Head	9938	-1	W	4	mmb	40	92	4	-	-	0	-	0	.
Nottingham	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cranwell	9958	-1	NW'N	4	odd	35	97	6	800	StCu	10	-	10	.
Gorleston	9951	-1	NW	3	mo	37	97	6	-	-	0	AStr	10	.
Valencia (Cahirciveen)	10072	+4	?	2	b	45	92	9	-	-	0	-	0	.
Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pembroke (St. Ann's H.)	9996	+3	NNW	5	c-	43	75	8	2500	Cu	7	-	7	.
Ross-on-Wye	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Benson	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Andover	.	.	.	.	.	.	.	.	.	.	.	.	.	.
S. Farnborough ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
London (Kew Obsy.) ...	.	.	.	.	.	38	.	.	.	.	.	.	.	.
Croydon	9959	0	N	2	orr	38	97	6	1500	Nb	10	-	10	.
Clacton-on-Sea ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Shoeburyness	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Grain	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lympne	9936	-1	NNW	4	or	38	97	6	1500	Nb	10	-	10	.
Scilly (St. Mary's) ...	10017	+5	NW	5	cPR	42	97	7	2500	CuNb	8	-	8	.
Falmouth (Pendennis)														.
Plymouth (Cattewater)	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Portland Bill														.
Southampton (Calshot)	9957	+1	NW'N	4	orr	42	97	5	800	Nb	10	-	10	.
Dungeness	9938	?	NNE	2	or	40	97	7	800	Str	10	-	10	.
Jersey (7h)	9958	+2	NNW	5	opr	46	92	8	4000	CuNb	5	ACu	9	.
Guernsey (1h)														

Observations at 0700 G.M.T. 4th

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	9952	+3	NNW	3	c sh	34	85	6	4000	CuNb	7	-	7	2
Stornoway	10021	+4	NNW	6	opS	37	92	6	2500	CuNb	10	-	10	5
Wick	9984	+3	NW	4	c5	35	92	8	2500	CuNb	7	-	7	3
Castlebay	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nairn	10018	.	WNW	1	c+	32	85	8	1500	Str	7	-	7	.
Aberdeen	9998	+4	NNW	3	bc5	33	97	6	1500	Nb	4	-	4	0
Malin Head	10069	+6	N	6	bch	43	85	7	-	CuNb	5	-	5	6
Renfrew	10042	+5	W	1	b	31	85	9	-	-	0	-	0	.
Edinburgh (Inchkeith)	10016	+2	WNW	3	b-	35	75	8	-	-	0	CiStr	2	.
Leuchars	10015	+4	NW	3	b	33	75	8	-	-	0	Ci	1	2
Eskdalemuir		+4	NW'W	5	b	30	85	8	-	-	0	-	0	.
Tynemouth	10011	+4	W	2	b/c	31	75	6	4000	Cu	2	-	2	3
Blacksod Point ...	10063	+3	WNW	2	bc-	37	75	8	-	CuNb	4	-	4	1
Donaghadee														.
Birr Castle														4
Holyhead	10067	+7	NNW	6	c/r	44	75	8	2500	Cu	7	-	7	4
Liverpool (Bidston) ...	10055	+3	NNW	4	bc-	39	65	7	2500	Cu	2	CiStr	4	.
Chester (Shotwick) ...	10050	+7	NNW	1	b-	35	85	6	4000	Cu	3	-	3	.
Spurn Head	9993	+6	NNW	7	b/sh	37	85	7	4000	CuNb	3	-	3	6
Nottingham	10029	.	NNW	3	b-	35	85	5	4000	Nb	1	-	1	.
Cranwell	10021	+6	NW'N	5	b-	33	97	7	2500	StCu	1	Ci	2	.
Gorleston	9974	0	NNW	4	oPH	36	65	6	2500	Nb	10	-	10	1
Valencia (Cahirciveen)		+5		2	bc-	44	92	9	-	Cu	5	-	5	
Roches Point														4
Pembroke (St. Ann's H.)	10080	+7	NW	5	cjp	40	92	8	2500	CuNb	8	-	8	.
Ross-on-Wye	10056	+8	-	0	b-	34	85	8	-	-	0	-	0	.
Benson	10040	+11	NW	4	o+	35	92	6	1500	Str	10	-	10	.
Andover	10033	+8	NW	3	b	36	85	7	-	-	0	-	0	.
S. Farnborough ...	10033	+8	N'W	2	o	36	92	6	800	Str	9	-	9	.
London (Kew Obsy.) ...	10024	0	NNW	3	c/r	39	75	6	2500	StCu	8	-	8	.
Croydon	10024	0	NNW	4	o/r	38	85	6	1500	StCu	10	-	10	0
Clacton-on-Sea ...	9980	+5	NNW	4	c	37	92	6	2500	Cu	8	-	8	.
Shoeburyness	10000	+9	N'W	4	o/r	37	85	7	1500	StCu	8	AStr	10	0
Grain	10007	+8	NW	5	o	38	92	7	1500	StCu	10	-	10	.
Lympne	9997	+8	NW	5	o/r	37	92	5	800	Str	9	AStr	10	.
Scilly (St. Mary's) ...	10094	+6	N'W	5	cPR	44	92	8	2500	CuNb	8	-	8	3
Falmouth (Pendennis)	10083	0	N	4	c+	42	85	7	4000	StCu	8	-	8	1
Plymouth (Cattewater)	10072	+9	NW	3	b-	41	85	9	-	-	0	-	0	0
Portland Bill	10046	+8	NNW	4	b-	44	85	7	-	-	0	-	0	4
Southampton (Calshot)	10032	+8	NW'N	5	o	40	75	6	800	Str	8	AStr	10	0
Dungeness	10002	+8	N	5	c-	38	92	6	800	Str	8	-	8	A
Jersey (7h)	10048	+5	NW	3	c/r	46	75	8	4000	StCu	8	-	8	3
Guernsey (1h)														

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 2-3rd	Temperature. Max. Day. 3rd	Rainfall.† Night 17h.-9h. 2-3rd	Rainfall.† Day 9h.-17h. 3rd	Sunshine.	Sunshine. Sunrise to Sunset. 3rd
			°F.	°F.	mm.	mm.	hr.	hr.
Banff								
Montrose	-	-	32	43	-	2		3·8
Llandudno	c	bcb	32	37	.	.		2·8
Colwyn Bay ...	bc	bc	39	45	.	.		2·3
Rhyl	bc	bc	36	46	-	-		2·8
Southport	cohr	chrc	38	45	4	2		2·3
Blackpool	cph	do	40	49	3	1		2·9
Harrogate	bbcc	bcc	23	43	-	0·1		4·8
Skegness	o	o	33	47	0·1	-		0·0
Aberystwyth ...	oc	co	40	46	-	.		0·6
Bath	or	om	34	43	1	1		0·0
Leamington Spa ...	oro	odm	31	39	4	1		0·0
Lowestoft	ofo6	ocod	33	42	-	1		0·1
Felixstowe	dd	omd	37	44	0·1	0·3		0·0
Southend	or	odo	36	43	-	3		0·0

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 2-3rd	Temperature. Max. Day. 3rd	Rainfall.† Night 17h.-9h. 2-3rd	Rainfall.† Day 9h.-17h. 3rd	Sunshine.	Sunshine. Sunrise to Sunset. 3rd
			°F.	°F.	mm.	mm.	hr.	hr.
Paignton	orom	cem	37	48	6	4		0·0
Ilfracombe	op	ope	41	45	6	1		0·0
Bude	rodo	odd	38	47	5	0·3		0·0
Penzance	or	oro	38	55	13	-		0·8
Falmouth Observatory	roc	co	37	55	13	2		0·3
Torquay	r	o	33	47	1	3		0·0
Weymouth	or	do	39	46	2	2		0·0
Bournemouth ...	p	p	37	45	1	1		0·0
Portsmouth (S'thsea)	or	odm	38	45	1	2		0·0
Worthing ...	d	od	35	45	-	2		0·0
Brighton	d	d	36	46	0·3	3		0·0
Eastbourne ...	or	rdr	36	47	-	2		0·0
Hastings	oD	Dd	36	47	0·2	4		0·0
Folkestone	-	-	44	52	1	1		0·0
Tunbridge Wells ...	ood	od	31	43	-	1		0·0
Ramsgate	o	o	33	48	-	9		0·0
Margate	or	od	36	44	-	1		0·0
Deal	od	od	34	43	-	1		0·0

* 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.22263 SUNDAY. 5TH NOVEMBER 1922.

STATIONS.	Observations at 1300 G.M.T. 4th: Barom. at M.S.L. m.b	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	State of ground.
Lerwick	998·8	+3	NNW	4	bcp₀	33	85	7	4000	CuNb	4	-	4	*
Stornoway	1007·6	+5	N	3	bc-	38	85	6	4000	Cu	6	-	6	*
Wick	1007·7	+5	NW	3	ch(f)	39	65	8	2500	CuNb	7	·	7	*
Castlebay	1010·4	+4	NW	4	b	44	75	7	2500	Cu	2	a.St	3	*
Nairn	*	*		*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1006·8	+7	NW'N	5	os	38	85	6	2500	CuNb	9	-	9	1
Malin Head	1011·7	+5	NW	6	c+	45	85	8	5750	CuNb	7	-	7	*
Renfrew	1008·6	+4	WNW	3	bc	43	65	7	5750	Cu	5	-	5	2
Edinburgh (Inchkeith)	1006·9	+2	WNW	3	bc-	41	65	7	-	Cu	4	-	4	*
Leuchars	1006·0	+4	WNW	4	b	41	65	8	2500	StCu	3	-	3	1
Eskdalemuir	1008·7	+6	WNW	5	b	38	75	7	7500	StCu	1	-	1	1
Tynemouth	1005·4	+3	WNW	3	b	40	75	6	4000	CuNb	2	-	2	*
Blacksod Point														*
Donaghadee	1011·9	+3	WNW	3	bc	42	85	8	-	CuNb	4	-	4	*
Birr Castle	1015·6	*	W	3	c+	45	85	8	2500	Cu	7	-	7	*
Holyhead	1012·1	+5	NW'N	6	bc	45	65	8	2500	Cu	6	-	6	0
Liverpool (Bidston)	1010·3	+5	NW'W	4	bc	44	65	9	2500	StCu	5	-	5	*
Chester (Shotwick)	1010·7	+6	NW	5	c/oh	46	65	8	2500	CuNb	8	-	8	1
Spurn Head	1005·7	+6	NW	6	b	41	75	7	4000	Cu	1	Ci	3	*
Nottingham	1009·3	*	WNW	4	b	43	75	6	4000	Cu	1	-	1	*
Cranwell	1008·5	+4	WNW	5	b+	42	75	6	2500	Cu	1	-	1	0
Gorleston	1006·4	+6	NW	5	b-	42	75	6	5750	Cu	2	-	2	*
Valencia (Cahirciveen)	1017·9	0	NW	3	bc	46	92	9	-	CuNb	5	-	5	*
Roches Point	1017·2	+3	NW	3	bc+	47	75	8	4000	Cu	4	-	4	*
Pembroke (St. Ann's H.)	1015·1	+5	NW	4	bc	45	75	8	2500	Cu	6	-	6	*
Ross-on-Wye	1012·0	+6	WNW	4	cjp	45	65	9	4000	StCu	7	-	7	1
Benson	1011·5	+6	NW	4	bc+	44	65	8	-	Cu	5	-	5	1
Andover	1011·6	+5	NW	5	b	45	65	8	2500	Cu	2	-	2	2
S. Farnborough	1011·0	+6	W	2	bc+	46	85	6	4000	StCu	4	-	4	1
London (Kew Obsy.)	1010·7	+6	NW	3	b	44	55	6	5750	Cu	1	-	1	1
Croydon	1010·4	+6	NW	3	b	44	55	6	-	-	0	-	0	2
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1008·5	+5	NW	5	b-	43	55	7	-	-	0	-	0	*
Grain	1009·1	+4	NW	5	b-	43	65	8	-	-	0	-	0	2
Lympne	1009·4	+6	NW'N	5	b-	42	55	8	-	-	0	-	0	2
Scilly (St. Mary's)	1016·8	+5	NW	3	bc	48	75	8	4000	Cu	5	-	5	*
Falmouth (Pendennis)	1016·9	+8	N	4	bc-	47	75	8	4000	Cu	5	-	5	*
Plymouth (Cattewater)	1015·2	+6	NNW	3	c	47	65	8	2500	StCu	7	-	7	1
Portland Bill	1013·1	+6	WNW	5	b+	46	85	7	-	-	0	CiCu	3	*
Southampton (Calshot)	1012·2	+5	NW	4	b	45	65	8	4000	Cu	1	-	1	1
Dungeness	1008·8	+7	N	5	b	44	65	7	-	-	0	-	0	*
Jersey	1015·0	+5	NNW	4	c	46	75	8	5750	StCu	7	-	7	*

STATIONS.	Observations at 1800 G.M.T. 4th: Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1003·4	+4	NNW	4	bcp₀	33	85	7	4000	CuNb	4	-	4	3
Stornoway	1010·5	+3	N	3	bc/r	37	92	6	4000	Cu	8	-	8	2
Wick	1007·0	+7	NW	4	b/oh	36	92	8	2500	CuNb	3	-	3	4
Castlebay	1012·0	+1	W	3	b+	44	75	7	1500	Cu	3	-	3	3
Nairn	1009·5	*	-	0	bc	36	85	8	4000	Cu'	3	aCu	6	*
Aberdeen	1008·7	+6	NW'N	3	bc/oh	36	85	7	2500	CuNb	4	-	4	3
Malin Head	1014·0	+2	NW	4	bcp₀	43	92	7	5750	CuNb	4	-	4	4
Renfrew	1012·1	+4	SW	3	bc/r	38	75	7	2500	StCu	4	-	4	*
Edinburgh (Inchkeith)	1010·4	+4	WNW	3	bc+	41	65	8	-	StCu	2	aCu	4	3
Leuchars	1009·4	+4	WNW	4	bc	36	75	8	2500	StCu	4	-	4	*
Eskdalemuir	1012·3	+3	NW	5	b	33	75	8	-	-	0	-	0	*
Tynemouth	1010·5	+4	W	2	b	37	85	6	-	-	0	aCu	1	3
Blacksod Point														
Donaghadee	1015·1	+3	WNW	2	bc+	39	85	8	-	-	0	aCu	6	1
Birr Castle	1018·0	*	W	1	bc-	36	92	7	4000	Cu	4	-	4	*
Holyhead	1015·2	+3	NW'N	5	c	45	65	8	2500	Cu	8	-	8	5
Liverpool (Bidston)	1014·0	+4	WNW	4	b/oh	40	92	7	2500	St	2	-	2	4
Chester (Shotwick)	1014·0	+5	NW	3	b/r	40	85	8	2500	StCu	2	-	2	*
Spurn Head	1010·1	+5	WNW	6	b	41	85	7	-	-	0	-	0	*
Nottingham	1013·4	*	WNW	2	b	40	85	5	-	-	0	-	0	*
Cranwell	1013·0	+3	W	3	b	36	92	6	-	-	0	-	0	
Gorleston	1011·5	-1	WNW	3	b	37	65	7	4000	CuNb	1	-	1	0
Valencia (Cahirciveen)	1018·9	0	SW	1	bc	44	85	9	-	Cu	3	aCu	1	
Roches Point	1019·2	+3	NW	1	b	44	85	8	·	-	0	-	0	0
Pembroke (St. Ann's H.)	1017·5	+3	NW	4	bc+	45	65	8	4000	StCu	6	-	6	*
Ross-on-Wye	1016·0	+4	WSW	1	b-	38	85	9	-	-	0	-	0	*
Benson	1014·9	+5	-	0	b	33	85	8	-	-	0	-	0	*
Andover	1015·6	+4	WNW	3	b	33	92	8	-	-	0	-	0	*
S. Farnborough	1015·2	+4	-	0	b-	36	85	8	-	-	0	-	0	*
London (Kew Obsy.)	1014·7	+4	WNW	2	b	40	75	6	-	-	0	-	0	*
Croydon	1014·2	+4	W'N	3	b-	39	75	6	-	-	0	-	0	*
Clacton-on-Sea	1012·0	+4	WNW	3	b	39	85	6	-	-	0	-	0	0
Shoeburyness	1013·2	+5	NW	2	b-	37	75	7	-	-	0	-	0	*
Grain	1013·4	+5	W	4	b	37	92	8	2500	StCu	1	-	1	3
Lympne	1013·9	+4	WNW	3	b-	35	85	5	-	-	0	-	0	*
Scilly (St. Mary's)	1018·3	+2	NNW	3	b	46	75	8	4000	Cu	3	-	3	4
Falmouth (Pendennis)	1019·8	+2	WNW	1	b-	44	85	7	5750	Cu	3	-	3	0
Plymouth (Cattewater)	1018·1	+3	-	0	b-	43	85	7	4000	StCu	1	-	1	0
Portland Bill	1016·1	+3	NW	5	b	44	75	7	-	-	0	CiCu	3	5
Southampton (Calshot)	1015·8	+4	W	3	b-	39	85	7	-	-	0	-	0	0
Dungeness	1013·6	+5	NNW	3	b	38	92	8	-	-	0	-	0	4
Jersey	1016·3	+1	NW	3	b	45	75	8	4000	StCu	1	-	1	3

LONDON OBSERVATIONS.	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. 5th								YESTERDAY.		TO-DAY.
Kew	bmby	bb3	b3bmx	*	*	20	Tr.	-	7.4	*	*
Croydon {24 hours ended 0700	cmbzy	bcby3	b3mx	*	*	20	-	-	5.9	*	*
Greenwich (Royal Obsy.)	b3	b3bc	bmg3*	45	29	21	-	-	6.1	66	78
City (Bunhill Row)	*	*	*	*	*	*	*	*	5.2		
Westminster (St. James' Pk.)	*	*	*								
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	7.6	*	*
Camden Square	b	b	b	47	31	27	-	-	*	*	89
Kensington Palace	bc	bcb	x	45	30	21	-	-	*	72(8h)	78
Hampstead Observatory	*	*	*						7.5	*	

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 – h. – m.
to – h. – m.

Stars.	Exposure. h. m.	Record. h. m.	%
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 today in 1300 & 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.[1]	No. per 4 sec.	Stren.	Direc.
13h.	GC	6	–	170
18h.	C	6		160
01h.	C	6	-	170
07h.	C	6	-	155

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

5th & 6th Nov., 1922.

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).
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.
fp 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.
r₀r₀ = continuous light rain.

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.

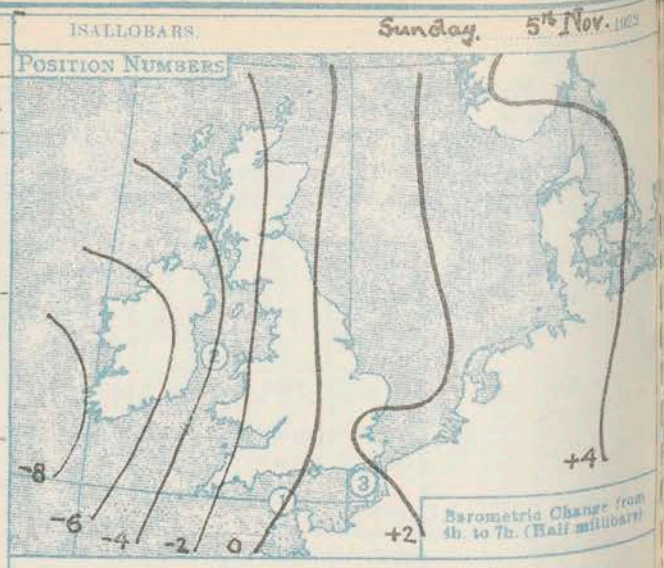
SEA DISTURBANCE.
0 = no swell } Calm or
1 = mod. swell } slight
2 = heavy swell } sea.
3 = no swell } Moderate
4 = mod. swell } sea.
5 = heavy swell }
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

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. 4"	13h.-18h. 4"	18h. 4" to 1h. 5"	1h.-7h. 5"	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	bcps	bcpqo	bcps	bcps	39	30	•	0·6	1	1100	<2100	•
Stornoway	p	p	bbc	c	40	31	•	3	–	L0800	–	3·2
Wick	cph	cpoq	bcph	bbc	39	29	•	0·5	0·2	0900	<21.00	•
Castlebay	bcpbc	bcpbc	bcrbc	copo	46	41	•	0·6	1	–	–	4·3
Nairn	cbc	phbc	bcx	bc	37	31	•	0·2	–	1530	–	1·2
Aberdeen	o	pso bc	isbx	bbc	39	30	22	2	0·4	L0800	<21.00	4·2
Malin Head	hpco	cobcp	pcov	cov	45	38	*	0·5	1	L0800	22.00	5·7
Renfrew	bbc	bbcpro	bbcomx	o	43	29	18	tr	–	1730	–	7·6
Edinburgh (Inchkeith)	bc	bc	bcbm	z	43	34	31	tr	–	–	–	6·5
Leuchars	b-bc	b-bc	c	c	41	29	16	–	–	–	–	6·3
Eskdalemuir	b	b-bc	bcx	cxox	39	27	21	–	–	–	–	3·4
Tynemouth	bm	bcm	bcm	bm	41	33	28	–	–	–	–	•
Blacksod Point ...												•
Donaghadee	bcqp	boipo	bc	c	44	34	•	0·4	–	L0800	–	•
Birr Castle ...	bcco	copro	bcx	co	46	30	22	tr	–	1430	–	*
Holyhead	cbc	bcc	cbc	bcco	46	41	35	–	?	–	?	6·2
Liverpool (Bidston) ...	bcho	pho	bc	bc	45	34	31	1	–	0900	–	5·2
Chester (Shotwick) ...	copsc	cphqo	bcbc	bccox	47	31	26	2	–	0900	–	•
Spurn Head	bcq	bq	bbc	bbc	41	36	•	–	–	–	–	7·7
Nottingham	b-bcm	b-bcm	bm	bbcx	44	29	25	–	–	–	–	7·1
Cranwell	bmbz	bm	m	bcc	42	31	26	–	–	–	–	7·9
Gorleston	cbcbq	b-bc	bxm	bxmbc	43	30	26	1	–	L0800	–	6·5
Valencia (Cahirciveen)	bcv	pv	bcv	crq	*	*	*	*	*	*	*	*
Roches Point	bbc	bcb						–		–		•
Pembroke (St. Ann's H.)	opc	cbc	bbc	bbc	47	41	•	0·2	–	L0800	–	8·0
Ross-on-Wye	bbcvjp	bcbcbv	bxx	bxbcx	45	27	20	–	–	–	–	8·1
Benson	cbbc	bcb	b	bx	45	23	17	0·1	–	–	–	•
Andover	bb	bbcb	bb	bbccx	46	25	18	–	–	–	–	7·5
S. Farnborough ...	bcbbc	cb	bmcmx		46	23	18	–	–	–	–	5·3
London (Kew Obsy.) ...	mbzy	bbz	bzbmx	bmx	45	30	20	tr	–	L0800	–	7·4
Croydon	mbzy	bcbyz	bzmx	bmcx	45	31	20	–	–	–	–	5·9
Clacton-on-Sea ...	cmbz	bz	bz	bzmx	43	31	27	–	–	–	–	6·4
Shoeburyness ...	ocbcby	bybc	b	bmx	45	29	22	–	–	–	–	6·8
Grain	ocbcb	bbcb	b	bcbm	45	28	21	–	–	–	–	6·6
Lympne	b-bc	bbcbm	bmx	bmx	42	28	23	–	–	–	–	5·8
Scilly (St. Mary's) ..	c	bc	bc	bcco	49	41	•	0·2	–	L0800	–	7·2
Falmouth (Pendennis)	cbc	bcb	bc	co	48	39	•	–	–	–	–	6·3
Plymouth (Cattewater)	bc	cprb						tr		1430		
Portland Bill	bbc	b-bc	bbc	bbc	47	40	•	–	–	–	–	•
Southampton (Calshot)	b	bc	b	bbc	46	30	24	–	–	–	–	6·9
Dungeness .. .	c	b-bc	bbc	bbc	44	29	•	–	–	–	–	•
Jersey	c	bcb	bbc	bo	50	33	•	–	–	–	–	7·2



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2.	4th 10h	Hibernia	WNW	6	b	43	52	8
3	5th 3h	Arundel	NNW	4	b	45	52	7

GENERAL INFERENCE.

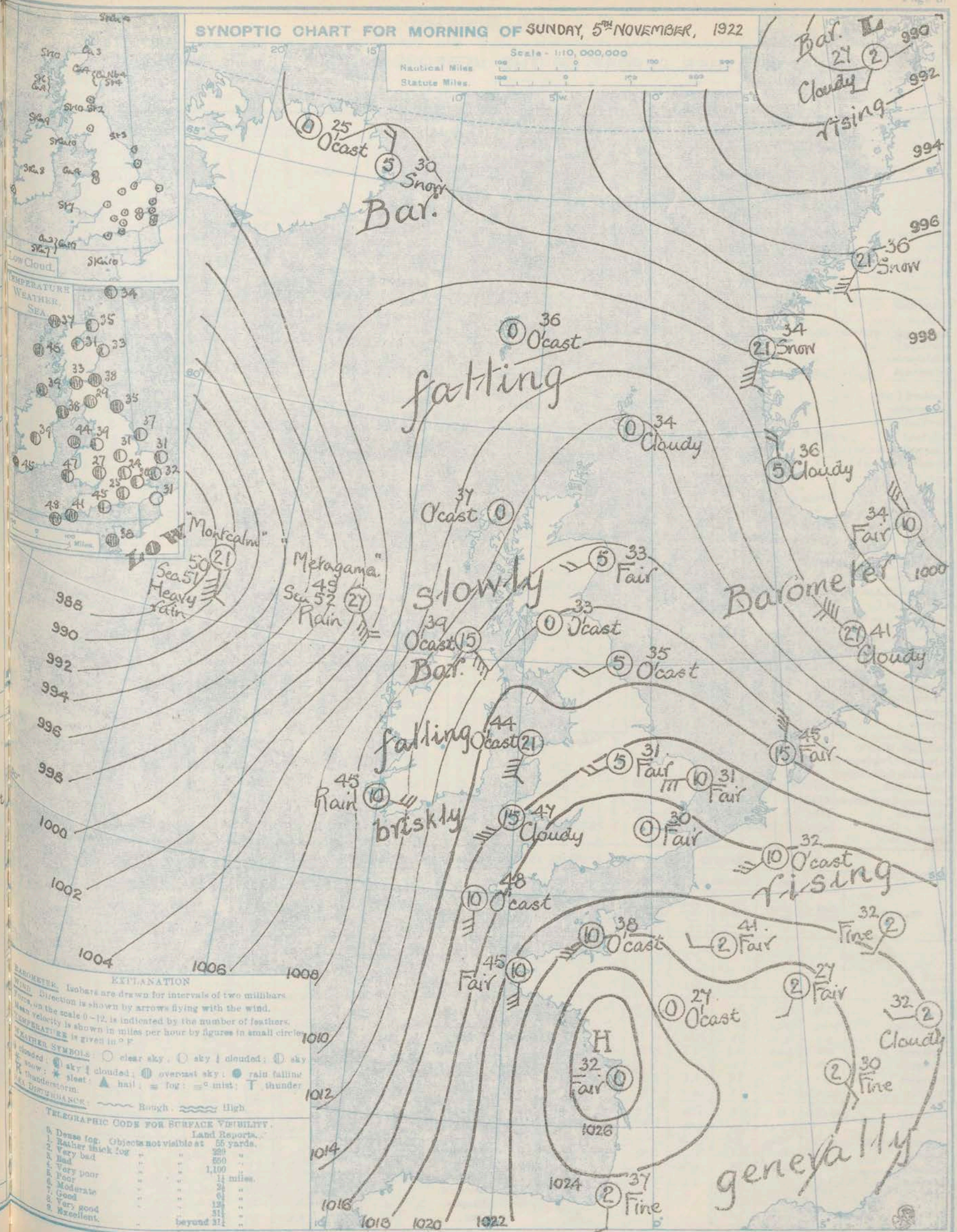
The large depression to the West of Ireland will cause cloudy weather with freshening S to S.W. winds in all districts. Rain is probable in Ireland and the west of England, spreading East later. Temperature will be considerably higher than of late.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 5th November, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind S or S.W., freshening; cloudy, rain later; visibility moderate; considerably warmer than of late.	Becoming cold again with sleet or snow in the North after a brief interval of milder weather.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Wind S or S.W, fresh or strong; dull, rain at times; visibility moderate or good; considerably warmer than of late.	
10. N.E. England 11. E. Scotland	As 1 - 4.	
12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides	As 5 - 9.	
16. Orkneys and Shetlands	As 1 - 4.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Strong to high S to S.W. winds; dull, rain at times; visibility moderate or good; warmer than of late.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1030. GMT. C. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF SUNDAY, 5TH NOVEMBER, 1922



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: ○ clear sky; ◐ sky ½ clouded; ◑ sky ¾ clouded; ● overcast sky; ● rain falling; ❄ snow; ✱ sleet; ▲ hail; ≡ fog; ≡° mist; T thunderstorm.
SEA DISTURBANCE: ~~~ Rough; ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

		Land Reports.
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 "

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... Sunday 5th NOVEMBER ... 1922. No. 309

Observations at 0100 G.M.T. 5th

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1007.6	+3	NNW	3	c	32	97	7	4000	Cu	7	-	7	*
Stornoway	1011.5	0	SW	1	b-	*	*	7	*	*	*	*	*	*
Wick	1009.7	+1	W	1	bc	32	97	8	5700	Cu	4	Ci	5	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1014.0	0	S	1	o/r	38	97	8	-	CuNb	2	CiSt	10	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1013.6	+1	WSW	3	mb-	37	92	6	-	St	1	-	1	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1013.7	+2	W	2	b	34	85	6	-	-	0	-	0	*
Blacksod Point ...														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1017.0	0	W'N	3	bc	44	75	8	4000	Cu	4	ASt	5	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1014.6	+2	W	6	b	38	85	7	-	-	0	-	0	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1016.4	+3	W	3	b	31	97	6	-	-	0	-	0	*
Gorleston	1014.7	+1	WNW	4	b-	33	75	6	-	-	0	-	0	*
Valencia (Cahirciveen)	1017.0	-2	-	0	b	43	92	9	-	-	0	ASt	3	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1018.8	0	NNW	2	bc	42	75	8	4000	StCu	3	Ci	5	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	33	*	*	*	*	*	*	*	*
Croydon	1018.2	+2	WSW	3	b	34	85	6	-	-	0	-	0	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1017.8	+2	NW	3	b	30	97	7	-	-	0	-	0	*
Scilly (St. Mary's) ...	1019.8	0	-	0	b	43	92	8	4000	Cu	3	-	3	*
Falmouth (Pendennis)														*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1018.6	+1	NW	4	b	42	85	7	-	-	0	-	0	*
Southampton (Calshot)	1019.2	+2	W	3	b	35	92	8	-	-	0	-	0	*
Dungeness	1017.0	+3	NNW	3	b	32	97	8	-	-	0	-	0	*
Jersey 7h }	1020.5	+3	NNW	2	bc	43	75	8	5700	StCu	4	CiSt	5	*
Guernsey 1h }														

Observations at 0700 G.M.T. 5th

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1009.5	+3	-	0	bc/s	34	97	7	5700	StCu	4	-	4	0
Stornoway	1007.1	-3	-	0	0	37	92	6	800	St	10	-	10	0
Wick	1008.4	-2	W	2	bc	35	92	8	5700	Cu	3	Ci	5	0
Castlebay	1007.5	-3	S	3	o	46	75	8	1500	St	10	-	10	3
Nairn	1009.2	*	-	0	bc	31	85	8	4000	Cu	4	-	4	*
Aberdeen	1011.0	0	WSW	2	bc+	33	97	8	2500	StCu	4	-	4	0
Malin Head	1009.4	-5	SE	4	o	39	92	7	5700	StCu	9	-	9	4
Renfrew	1012.3	-2	-	0	o	33	97	4	1500	St	10	-	10	*
Edinburgh (Inchkeith)	1012.2	0	WSW	2	mb-	38	92	6	-	St	2	CiSt	10	1
Leuchars	1011.2	0	W	2	c	30	97	7	-	-	0	CiSt	7	*
Eskdalemuir	1014.5	-1	-	0	o	29	92	7	-	-	0	ASt	10	1
Tynemouth	1013.9	0	WSW	2	o+	35	97	6	4000	St	3	ASt	9	*
Blacksod Point ...	1014.8	-6	-	0	o+	38	85	8	4000	StCu	10	-	10	0
Donaghadee	1010.8	*	SSE	3	c+	39	85	7	4000	StCu	8	-	8	*
Birr Castle														2
Holyhead	1014.6	-2	SSW	4	o+	44	75	8	2500	Cu	4	ASt	10	3
Liverpool (Bidston) ...	1015.2	-1	SW	2	bc+	39	75	8	2500	St	3	ACu	5	*
Chester (Shotwick) ...	1016.0	-2	ESE	1	o+	31	92	8	-	-	0	ACu	10	*
Spurn Head	1015.8	+1	WSW	4	bc	37	92	5	-	-	0	CiSt	5	5
Nottingham	1017.0	*	WSW	2	bc	31	92	6	-	-	0	Ci	4	*
Cranwell	1017.1	0	W'S	3	c	32	97	7	-	-	0	CiSt	7	*
Gorleston	1016.8	+1	W	3	b+	31	85	6	-	-	0	CiSt	3	1
Valencia (Cahirciveen)	1009.8	-8	E'N	3	bcr?	45	97	8	-	-	0	ASt	6	*
Roches Point														3
Pembroke (St. Ann's H.)	1016.0	-3	SW	4	c+	47	65	8	2500	St	7	-	7	*
Ross-on-Wye	1018.1	-1	-	0	c+	27	97	7	-	-	0	CiCu	7	*
Benson...	1019.0	0	-	0	b	24	92	8	-	-	0	Ci	2	*
Andover	1019.6	0	-	0	c+	25	97	6	-	-	0	CiSt	7	*
S. Farnborough ...	1019.5	0	-	0	bc+	25	97	5	-	-	0	Ci	6	*
London (Kew Obsy.) ...	1019.6	+1	-	0	b	30	97	6	-	-	0	Ci	3	*
Croydon	1019.4	+1	SW'W	2	c+	33	92	6	-	-	0	CiSt	7	*
Clacton-on-Sea ...	1017.5	+2	WNW	3	b	32	92	6	-	-	0	CuSt	2	0
Shoeburyness	1018.3	+1	-	0	mb-	31	75	6	-	-	0	Ci	3	*
Grain	1019.3	+1	WSW	3	c	29	97	5	-	-	0	Ci	7	0
Lympne	1019.1	+2	W	2	b	29	92	6	-	-	0	CiSt	3	*
Scilly (St. Mary's) ...	1016.9	-3	S	3	o	48	97	8	4000	StCu	10	-	10	4
Falmouth (Pendennis)	1018.3	-2	-	0	o+	41	92	7	4000	Cu	10	-	10	0
Plymouth (Cattewater)														2
Portland Bill	1018.6	0	WNW	3	b+	45	75	7	-	-	0	CiCu	3	0
Southampton (Calshot)	1019.6	0	WSW	2	bc+	32	97	8	-	-	0	Ci	5	2
Dungeness	1019.6	+3	NW	2	b	31	97	8	-	-	0	-	0	3
Jersey 7h }	1020.2	0	SW	3	o	38	85	8	4000	StCu	10	-	10	
Guernsey 1h }														

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 3-4 °F.	Temperature. Max. Day. 4 °F.	Rainfall.† Night 17h.-9h. 3-4 mm.	Rainfall.† Day 9h.-17h. 4 mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 4 hr.
Banff								7.0
Montrose	-	-	32	41	1.8	-		5.7
Llandudno	ccb	cbc	31	46	8.7	-		3.8
Colwyn Bay ...	Acbc	bc	36	45	11.2	-		4.4
Rhyl...	bc	bc	33	46	15.1	0.3		3.8
Southport	cb	bcb	35	45	10.2	0.4		5.7
Blackpool	pcbc	cb	34	46	5.5	-		6.4
Harrogate	b	b	29	41	1.2	-		8.4
Skegness	ocmb	b	32	42	0.6	-		7.6
Aberystwyth ...	rcb	b	32	46	3.3	-		6.5
Bath	b	bbc	34	47	1.5	-		7.2
Leamington Spa ...	bcbc	bm	33	44	-	-		7.3
Lowestoft	o+bcb	b	35	42	2.2	-		6.3
Felixstowe	c	bm	35	45	1.5	-		6.0
Southend	cbc	b	36	45	1.5	-		6.0
Paignton	bc	bbcb	39	50	0.3	-		7.0
Ilfracombe								8.1
Bude	cpcbcpob	b-bc	42	48	1.5	0.1		6.9
Penzance	bcb	bc	43	50	0.8	-		6.5
Falmouth Observatory	b	bbcb	44	50	0.2	-		8.4
Torquay	b	b	38	50	3.2	-		8.3
Weymouth	b	b	36	49	-	-		
Bournemouth ...								7.0
Portsmouth (S'thsea)	b	b	38	47	0.3	-		7.2
Worthing	b	b	37	45	2.3	-		6.7
Brighton	b	b	37	46	1.8	-		6.9
Eastbourne	bc	bb	37	46	1.1	-		
Hastings	ocbcb	b	36	45	1.3	-		6.3
Folkestone	b	b	35	45	3.6	-		6.8
Tunbridge Wells ...	cbcb	b	35	45	1.5	-		5.8
Ramsgate	bc	b	36	42	2.5	-		6.7
Margate	bc	b	38	44	2.1	-		5.6
Deal	obc	bb	37	43	1.5	-		6.7

* 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. 22264 Monday, 6th November 1922.

Observations at 1300 G.M.T. 5th

Stations	Barom. at M.S.L. (m.b)	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)	State of ground.
Lerwick	1007·4	-3	SSW	4	ct	42	85	7	5700	StCu	3	CiSt	8	*
Stornoway	1001·2	-6	S	2	opr_0	44	85	6	450	St	10	–	10	*
Wick	1005·0	-4	SSW	3	o	43	92	8	4000	Cu	4	CiSt	10	*
Castlebay	1001·3	-6	SE	5	orr	44	85	6	800	Nb	10	–	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1008·0	-5	SSW	1	mo-	41	85	6	4000	StCu	10	–	10	1
Malin Head	1000·5	-10	SE	5	od_0d_0	41	97	6	5700	Nb	6	aSt	10	*
Renfrew	1007·5	-6	SE	3	o	42	85	6	5750	StCu	9	aSt	10	2
Edinburgh (Inchkeith)	1008·9	-6	SSW	3	o	42	85	8		–	0	aCu	10	*
Leuchars	1008·4	-4	SW	1	o	42	85	7	–	–	0	aSt	10	1
Eskdalemuir	1009·7	-5	S'E	3	od_0	38	97	6	800	St	10	–	10	1
Tynemouth	1011·4	-2	SW	2	fo-	45	85	4	4000	StCu	3	aSt	10	*
Blacksod Point														*
Donaghadee	1008·3	-5	SW	1	or_0+	42	92	7	1500	St	10	–	10	*
Birr Castle	1004·1	*	SE	2	o+	45	97	6	4000	Nb	9	–	9	*
Holyhead	1009·5	-6	SSW	5	or_0r_0	46	85	7	1500	Nb	10	–	10	2
Liverpool (Bidston)	1011·3	-4	S	3	c	44	75	7	2500	St	6	aSt	8	*
Chester (Shotwick)	1012·2	-5	S	4	o	45	75	7	7200	StCu	5	aSt	10	1
Spurn Head	1014·5	-1	WSW	4	c	44	75	6	–	–	0	aCu	8	*
Nottingham	1014·0	*	SW	3	o+	44	75	4	2500	StCu	3	CiSt	10	*
Cranwell	1015·6	-2	SSW	4	o	44	85	7	4000	St	3	aSt	9	2
Gorleston	1017·3	0	W'S	3	c+	44	75	7	–	–	0	aCu	7	*
Valencia (Cahirciveen)	1001·9	-6	NW	4	orr	53	97	4	-	St	10	–	10	*
Roches Point														*
Pembroke (St. Ann's H.)	1011·6	-3	SW	6	oR	46	85	8	1500	Nb	10	–	10	*
Ross-on-Wye	1015·0	-3	S'W	3	o+	45	75	8	2500	Nb	4	aSt	10	1
Benson	1016·3	-3	S'W	3	c	44	75	7	4000	StCu	4	CiSt	8	1
Andover	1016·9	-2	–	0	o+	40	92	6	4000	StCu	7	CiSt	10	1
S. Farnborough	1017·5	-3	S	2	o+	43	75	6	2500	StCu	3	aSt	10	1
London (Kew Obsy.)	1017·6	-3	SW'S	2	o/f	45	75	6	2500	StCu	8	aSt	10	1
Croydon	1017·7	-1	SW'S	3	o	44	65	6	4000	StCu	6	CiSt	10	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1018·3	0	SW	2	o+	45	65	7	4000	St	5	aSt	9	*
Grain	1018·2	-2	SSW	4	o/f	44	85	7	–	–	0	aSt	10	2
Lympne	1018·3	-2	SW	3	o	45	75	7	–	–	0	CiSt	10	0
Scilly (St. Mary's)	1011·0	-7	S'E	4	o	51	97	7	4000	CuNb	10	–	10	*
Falmouth (Pendennis)	1013·3	-5	SSW	6	opr_0	49	85	8	4000	Cu	10	–	10	*
Plymouth (Cattewater)	1014·0	-6	SSW	6	or_0	48	75	8	2500	St	10	–	10	1
Portland Bill	1015·6	-3	NW'W	4	cr_0	46	75	7	1500	StCu	8	–	8	*
Southampton (Calshot)	1017·1	-4	SSW	4	o	48	65	7	4000	StCu	3	aSt	10	0
Dungeness	1018·3	-3	NW	3	ct	46	75	7	–	–	0	aSt	8	*
Jersey 7h / Guernsey 1h	1017·9	-1	SSW	4	c	49	65	8	4000	StCu	8	–	8	*

Observations at 1800 G.M.T. 5th

Stations	Barom. at M.S.L. (m.b)	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)	Sea. (0-9)
Lerwick	1004·0	-5	SSW	4	c	44	75	6	4000	Cu	7	–	7	3
Stornoway	994·2	-9	S	6	oRR	44	92	5	450	St	10	–	10	5
Wick	999·5	-6	S	3	bc-	43	85	8	–	–	0	aCu	6	1
Castlebay	991·9	-10	SE	6	orr	47	92	5	450	Nb	10	–	10	7
Nairn	997·6	*	ESE	1	c+	40	95	7	1500	St	9	–	9	*
Aberdeen	1002·3	-7	S'W	3	or_0	42	85	6	2500	Nb	10	–	10	0
Malin Head	992·6	-7	SE	6	or	46	97	5	5700	Nb	5	aSt	10	4
Renfrew	999·7	-10	SE	2	orr	41	92	6	800	Nb	10	–	10	*
Edinburgh (Inchkeith)	1002·6	-6	S	2	od_0	40	92	7	–	Nb	10	–	10	2
Leuchars	1002·1	-7	SSE	4	or_0r_0	40	92	7	1500	Nb	10	–	10	*
Eskdalemuir	1003·2	-6	SSE	4	odd	37	97	6	800	Nb	10	–	10	*
Tynemouth	1007·3	-5	SW	3	or_0	41	85	6	4000	Nb	10	–	10	2
Blacksod Point														
Donaghadee	1000·5	-5	SW	3	o/r	47	92	7	1500	St	10	–	10	2
Birr Castle	995·9	*	SSE	1	o+	50	92	6	450	StCu	10	-	10	*
Holyhead	1000·6	-8	S'E	6	o	45	92	7	1500	St	10	–	10	5
Liverpool (Bidston)	1004·7	-8	SE	4	o/r	40	92	6	1500	Nb	10	–	10	4
Chester (Shotwick)	1005·5	-10	SE	5	o/r	41	92	7	1500	Nb	10	–	10	*
Spurn Head	1010·3	-4	S'E	5	or_0+	42	85	6	4000	Nb	10	–	10	4
Nottingham	1009·6	*	SW	3	orr	42	92	6	2500	Nb	10	–	10	*
Cranwell	1011·4	-4	SSE	4	o/r	41	92	7	1500	St	10	–	10	*
Gorleston	1015·0	-1	SSW	3	o	40	85	6	–	–	0	aSt	10	0
Valencia (Cahirciveen)	996·9	-4	W	3	od	54	97	7	-	StCu	10	–	10	*
Roches Point														
Pembroke (St. Ann's H.)	1003·5	-7	SW	8	oRR	48	97	6	1150	Nb	10	–	10	6
Ross-on-Wye	1008·7	-6	S	3	orr	41	85	7	1500	Nb	10	–	10	*
Benson	1011·5	-5	S	4	orr	41	97	6	-	St	10	–	10	*
Andover	1011·4	-4	SE	3	orr	40	97	7	1500	Nb	10	–	10	*
S. Farnborough	1012·6	-6	SSW	4	orr	42	85	7	1500	Nb	10	–	10	*
London (Kew Obsy.)	1012·7	-5	S'W	2	orr	43	97	7	1500	Nb	10	–	10	*
Croydon	1013·4	-4	SSW	1	or_0r_0	42	92	6	1500	Nb	10	–	10	*
Clacton-on-Sea	1013·5	-5	SSW	3	o+	44	85	7	7200	StCu	5	aCu	10	0
Shoeburyness	1013·7	-5	SW	1	o+	43	85	6	4000	StCu	10	–	10	*
Grain	1014·0	-5	S	3	o	43	92	7	2500	StCu	5	aSt	10	0
Lympne	1014·3	-4	SSW	4	o+	43	75	8	2500	StCu	9	CiSt	10	*
Scilly (St. Mary's)	1005·3	-5	SW'W	4	o/r	53	97	7	4000	CuNb	10	–	10	6
Falmouth (Pendennis)	1006·2	-12	SSW	8	or_0r_0	49	97	5	2500	Nb	10	–	10	4
Plymouth (Cattewater)	1007·7	-6	S	7	orr	49	97	5	225	Nb	10	–	10	5
Portland Bill	1010·7	-5	SSW	6	or_0r_0	46	75	6	450	St	10	–	10	5
Southampton (Calshot)	1012·3	-6	S'E	5	o/r	46	85	8	2500	StCu	10	–	10	3
Dungeness	1014·0	-6	SW	5	bc	47	75	8	4000	StCu	6	-	6	5
Jersey 7h / Guernsey 1h	1013·4	-4	SSW	4	o	48	85	8	4000	StCu	10	-	10	3

London Observations — 24 Hours ended 0900 G.M.T. 6th

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall m.m. Day	Rainfall m.m. Night	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew } 24 hours ended 0700	owbcf	omorr	orreR	*	*	39	1	10	0·7	*	*
Croydon } 24 hours ended 0700	comxo	oxmr$_0$r$_0$	omRqs	*	*	38	0·1	12	1·2	*	*
Greenwich (Royal Obsy.)	oxm	o	oir	51	36	39	-	11·2	1·3	72	92
City (Bunhill Row)	*	*	*	*	*	*	*	*	0·1	*	*
Westminster (St. James' Pk.)	*	*	*	52	35	32	10·7			61	86
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	-	0·3	*	*
Camden Square	b+	bc	*	50	33	32	1	10·7	*	*	91
Kensington Palace	o	o+	*	46	41	39	0·6	10·9	*	95(15h)	93
Hampstead Observatory	*	*	*	48	41	33	5·6	6·1	0·2	*	95

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington

Max.	Time.	Min.	Time.

Kew Observatory

Max.	Time.	Min.	Time.

Pole Star Record at Greenwich Obsy.

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

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	12 30	*	-
δ Ursae Minoris	12 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 = Skating today in 1300 & 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	–	170
18h.	C_1C_2	5	–	135
01h.	C_1C_2	5		160
07h.	C_1C_2	6	–	155

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 6th & 7th November, 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.59 / 7.00	11.37 / 11.37	4.15 / 4.14
Greenwich	7.4 / 7.5	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).
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.
jp 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_0r_0 = continuous light rain.

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.

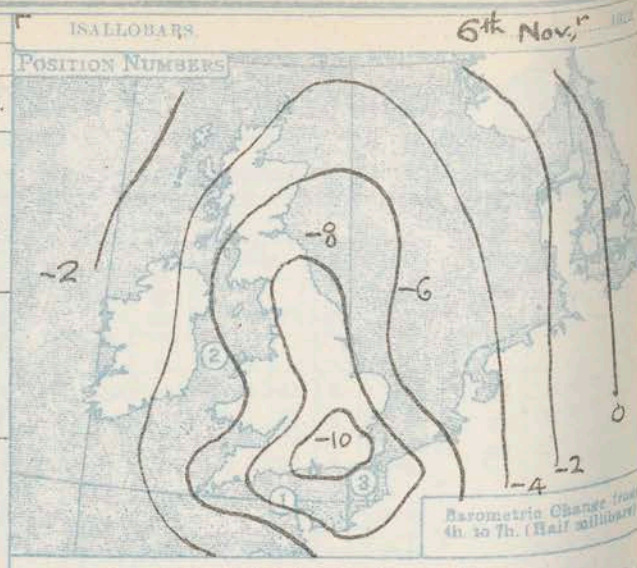
Sea Disturbance.
0 = no swell } Calm or slight sea.
1 = mod. swell
2 = heavy swell
3 = no swell } Moderate sea.
4 = mod. swell
5 = heavy swell
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

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. 5th	WEATHER. 13h.-18h. 5th	WEATHER. 18h. 5th to 1h. 6th	WEATHER. 1h.-7h. 6th	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	c	cp	ompah	omor	44	41	•	1	6	1230	2200	•
Stornoway	p	r or d	p	oo	45	41	•	3	7	1630	–	0·0
Wick	oo	c	orrq	orrq	44	41	•	—	3	—	2100	*
Castlebay	orrr	rr	rorpo	orpo	48	46	•	5	1	1330	–	0·0
Nairn	bccg	cqm	irc	cqdo	42	39	•	–	3	–	2200	
Aberdeen	bc.off	cmrir	omrr	omdd	42	42	39	trace	3	1730	2100	0·2
Malin Head	dodm	omr	oir	or	46	45	•	2	3	0900	2100	0·0
Renfrew	ompom	orrr		oddm	43	40	40	1	3	1330	2100	0·0
Edinburgh (Inchkeith)	zo	oo		rr	43	40	37	trace	7	–	0230	0·0
Leuchars	oo	r or d		r	43	39	37	0·2	8	1530	2100	0·0
Eskdalemuir	oxido	or.odm	odm	odirm	38	36	36	3	6	1100	0230	
Tynemouth	off	omiro	rrom	oirm	44	39	38	trace	5	1730	2100	•
Blacksod Point ...							•					•
Donaghadee	ro	c.oido	oir	coido	47	47	•	2	4	1330	2200	•
Birr Castle ...	dd rm	oidr	orr	orr	50	47	44	0·1	4	0900	0130	½
Holyhead	orbir	orr R	orr	or	47	45	41	8	6	0900	2100	0·0
Liverpool (Bidston) ...	c	opr	r		48	39	33	1	5	1100	2400	1·5
Chester (Shotwick) ...	oxm·oo	orrdro	odorrq	odo	45	41	39	2	2	1630	2100	*
Spurn Head	c	c	r	p	44	38	•	trace	2	1730	2100	2·1
Nottingham	cm	oor	rr	rr	45	39	38	0·1	6	1630	2100	0·7
Cranwell	oo	oir	R	irr	45	37	37	trace	3	1630	2100	1·5
Gorleston	bc.c	oo	oqrr	oqrr	45	40	38	—	4	—	2100	3·0
Valencia (Cahirciveen)	orm.	odpq	orq	cw								
Roches Point							•					•
Pembroke (St. Ann's H.)	oqr	oqrrq	oqrr	oqjpe	49	48	•	6	7	0900	2100	0·0
Ross-on-Wye	x of of o	orqrr	irodr	LR	45	40	38	4	8	1430	2100	0·5
Benson...	bcxc	o·or	rro	OR	45	40	39	1	7	1530	2100	*
Andover	cx.om	om.orr	orr	orroc	44	40	39	3	11	1430	2100	0·6
S. Farnborough ...	cmxofco	oro orr	orr	orr	46	40	39	1	13	1430	2100	0·0
London (Kew Obsy.)...	mxofcfu	om.orr	orro	oORom	46	41	39	1	10	1730	2100	0·7
Croydon	coxmz	ozmro	omR	omR	45	41	38	0·1	12	1730	2100	1·2
Clacton-on-Sea ...	bcm	c·o	ogd.	ogrc	46	42	40	—	3	—	2100	3·5
Shoeburyness... ...	bmx.o	oo	orrq	oirq	46	41	40	—	5	..	2100	1·5
Grain	cmx.o	oo	orro	orrm	46	41	39	trace	5	–	2100	1·8
Lympne	bxmbcc	oo	r	orrqr	45	41	39	—	7	—	2100	2·7
Scilly (St. Mary's) ..	oq	oqr	oqp	cqr	53	51	•	2	3	–	2200	0·0
Falmouth (Pendennis)	op	omr		ompo	50	47	•	2	6	1100	2100	0·0
Plymouth (Cattewater)	or	orrm	orm	orrm	51	48	47	5	8	0800	2100	0·0
Portland Bill	bc.cp	cp.or	or	oqr	49	47	•	1	12	0800	2100	•
Southampton (Calshot)	om	mirir	ro iR	orr	48	44	47	1	11	1330	2100	0·2
Dungeness	c	c	rro	orr	48	43	•	–	6	–	2100	*
Jersey	o·c·o	o.c.o	r	oirro	50	47	•	–	2	–	2200	0·8



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	
3	5th 0300	Arundel	NNW	4	b	45	52	7
6	5th 1000	Hibernia	S	5	or	47	51	6
3	6th 0700	Dieppe	SSW	7	0	41	51	7

GENERAL INFERENCE.

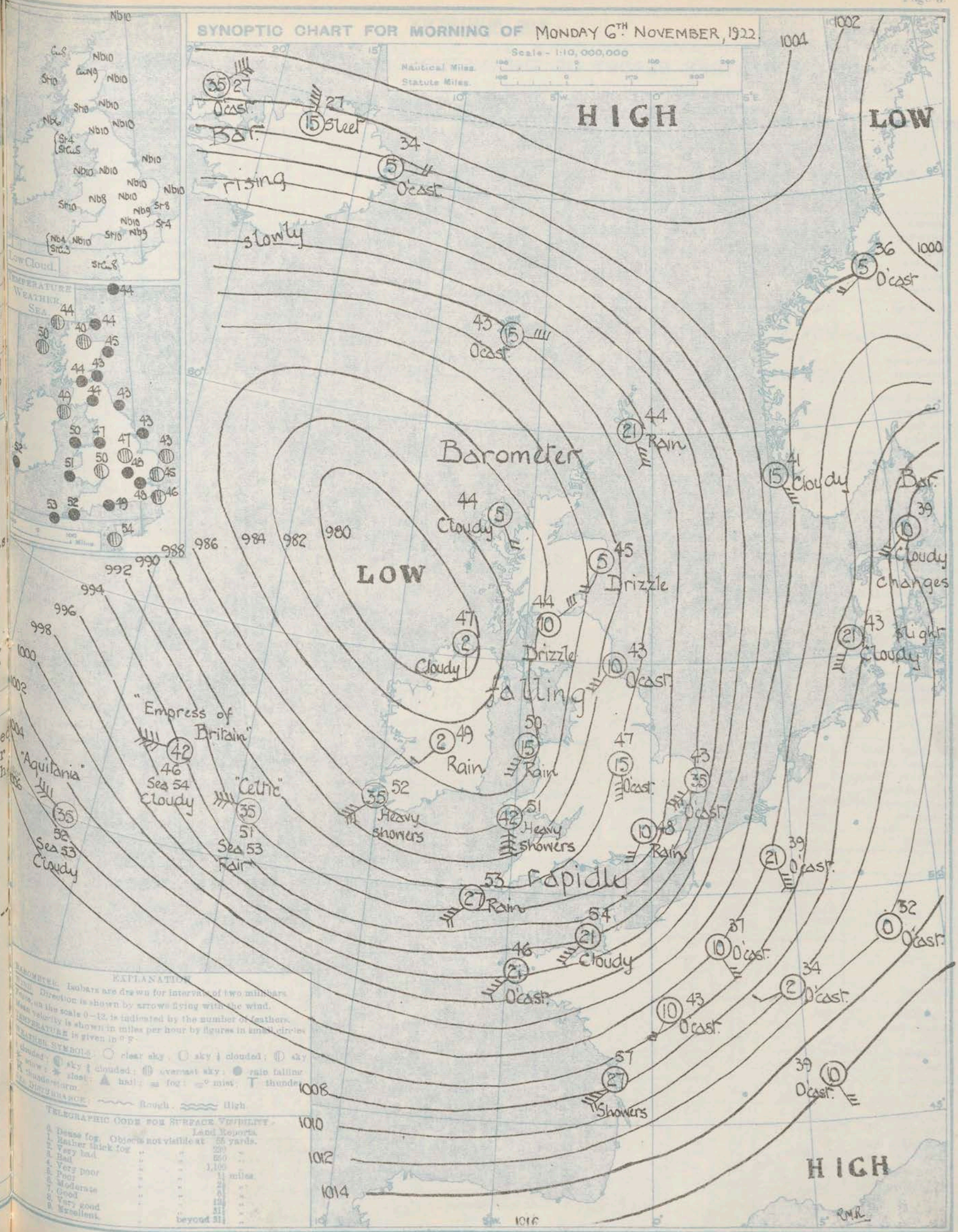
The depression spreading southeastwards over the British Isles will maintain very unsettled weather in all districts. Winds will be strong to a gale from between S and W over all except the N.W. of England today, with mild weather, but cold northerly winds will become general in the course of the next or two, probably causing sleet or snow in the north.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, November 6th, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind S to SW fresh or strong, a gale in places, veering to NW or N later; mainly cloudy at first with heavy showers then fairer periods; visibility moderate or good; mild at first becoming colder.	Cold and unsettled probably sleet or snow in the North.
4. W. Midlands 5. S.W. England 6. South Wales	Wind W, fresh or strong, a gale in places, veering to NW or N later; showery, then fairer periods; visibility mainly good; becoming colder.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland	Wind mainly from S and SW at first, becoming northerly, fresh to strong later; mainly cloudy at first with heavy showers of rain turning to sleet or snow later, then fairer periods; visibility mainly good; becoming colder.	----------
12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides.	Wind indefinite at first, freshening from north later; mainly cloudy with heavy showers of rain turning to sleet or snow later; visibility mainly good; becoming colder.	South cone flying.
16. Orkneys and Shetlands 17. N.W. Ireland	Wind SE to E, strong to a gale, backing to NE or N and decreasing somewhat; much cloud and rain turning to sleet later; visibility moderate to good; becoming colder.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind NW to N, strong to a gale; showers of rain or hail turning to sleet; visibility mainly good; colder.	

E.V.N

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0940 G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF MONDAY 6TH NOVEMBER, 1922.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
HIGH
LOW
Bar. rising slowly
Barometer falling rapidly
Bar.
"Empress of Britain"
"Aquitania"
"Celtic"
Low Cloud.
Temperature
Weather
Sea
EXPLANATION
BAROMETRIC GRADIENT: 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: clear sky; sky ¼ clouded; sky ½ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
Land Reports.
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 " " 1 mile
5. Poor " " 2 "
6. Moderate " " 5 "
7. Good " " 10 "
8. Very good " " 31 "
9. Excellent. " beyond 31 "
H.M.S.O. Press, Kingsway, W.C.2.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.... Monday, 6th November ..... 1922. No. 310

Observations at 0100 G.M.T. 6th

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	997·3	-4	S	5	0ph.	44	75	6	4000	Nb	8	a St	10	•
Stornoway	989·3	-8	SW	5	PR	•	•	5	•	•	•	•	•	•
Wick	984·8	-9	S	8	o/r	44	92	8	4000	Nb	5	a St	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	984·9	-4	SSE	4	ort	50	92	6	5750	Nb	4	a St	10	-
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	992·6	-6	S	2	ort	42	92	8	-	Nb	10	-	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	995·7	-7	SW	5	o/r	41	92	6	4000	Nb	10	-	10	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	990·9	-9	S'E	4	ort	51	97	6	2150	Nb	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	998·1	-8	SE'S	6	ort	38	97	6	4000	Nb	10	-	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1000·5	-13	SE'S	5	ort	39	97	6	1500	Nb	10	-	10	•
Gorleston	1006·3	-5	S'W	6	ort	42	92	7	4000	Nb	10	-	10	•
Valencia (Cahirciveen)	985·5	-8	W	6	oRR	51	92	6	-	St Cu	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	993·7	-6	S	8	or	52	92	7	1500	Nb	10	-	10	•
Rose-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Croydon	1003·9	-9	SSW	6	ort	43	97	6	800	Nb	10	-	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1006·0	-7	S	6	ort	41	92	7	1500	Nb	10	-	10	•
Scilly (St. Mary's) ...	996·8	-7	SSW	4	0	54	97	7	4000	Cu Nb	10	-	10	•
Falmouth (Pendennis)														•
Plymouth (Cattewater)	•		•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1001·1	-5	SSW	6	ort	45	75	6	450	St	10	-	10	•
Southampton (Calshot)	1002·1	-10	S'E	6	ort	47	97	7	800	Nb	10	-	10	•
Dungeness	1006·0	-7	SW	7	ort	43	97	8	4000	Cu Nb	8	-	8	•
Jersey 7h }	1002·1	-5	S	5	odd	51	97	6	4000	St	10	-	10	•
Guernsey 1h }														

Observations at 0700 G.M.T. 6th

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	991·5	-4	SSE	5	ort	44	92	6	2800	Nb	10	-	10	4
Stornoway	982·5	-2	SSE	2	c/r	44	92	6	4000	Cu	8	-	8	1
Wick	985·4	-5	S	8	ort	44	97	6	4000	Nb	10	-	10	7
Castlebay	980·3	-4	E	3	0	50	92	7	1500	St	10	-	10	4
Nairn	981·2	•	E	1	o/r	40	92	8	4000	Cu Nb	9	-	9	•
Aberdeen	987·0	-6	S'W	2	odd	45	97	6	1500	Nb	10	-	10	0
Malin Head	979·7	-4	S	1	c/r	47	97	7	5750	Nb	6	a Cu	8	3
Renfrew	983·3	-7	NE	3	odd	44	92	6	1500	St	10	-	10	•
Edinburgh (Inchkeith)	985·0	-5	SE	1	ort	43	97	8	-	Nb	10	-	10	•
Leuchars	985·5	-7	ESE	2	ort	43	92	6	1500	Nb	10	-	10	•
Eskdalemuir	984·4	-8	SSE	4	ort	44	97	6	800	Nb	10	-	10	•
Tynemouth	989·3	-9	SW	3	ogp	43	97	6	4000	Nb	10	-	10	2
Blacksod Point ...	982·2	-6	SSW	1	o/r	49	97	7	1500	St Cu	9	-	9	1
Donaghadee	981·4	•	SW	1	ort	49	97	6	450	Nb	10	-	10	•
Birr Castle	982·6	-6	S'W	4	ort	50	97	7	800	Nb	10	-	10	3
Holyhead	984·4	-6	SE	3	ort	47	97	5	1500	Nb	10	-	10	3
Liverpool (Bidston) ...	984·7	-11	SE	2	odd	48	97	6	450	Nb	10	-	10	•
Chester (Shotwick) ...														
Spurn Head	990·1	-8	SSE	6	ort	43	97	6	4000	Nb	10	-	10	1
Nottingham	988·9	•	S	4	o/r	47	97	7	2500	Nb	10	-	10	•
Cranwell	990·8	-8	SE	4	ort	44	97	6	450	Nb	10	-	10	7
Gorleston	996·9	-5	S'W	6	o/r	43	92	6	5750	Nb	10	-	10	•
Valencia (Cahirciveen)	985·0	+4	SW	7	cPR	52	65	6	-	St Cu	8	-	8	-
Roches Point	986·0	-5	S	8	oPR	51	85	7	1500	St	10	-	10	7
Pembroke (St. Ann's H.)	988·1	-6	S	3	c/r	50	92	8	2500	Nb	8	-	8	•
Rose-on-Wye	990·3	-10	SSE	5	ort	48	97	6	-	Nb	10	-	10	•
Benson...	991·3	-7	SSW	4	c/r	49	97	8	450	Nb	8	-	8	•
Andover	992·5	-9	S'E	4	ort	49	92	7	800	Nb	10	-	10	•
S. Farnborough ...	992·9	-9	S'W	3	oR-	48	97	6	1500	Nb	9	a St	10	•
London (Kew Obsy.) ...	994·3	-10	SSW	3	oRR	47	97	6	800	Nb	10	-	10	•
Croydon	996·3	-7	S	5	c-	45	85	7	2500	St	8	-	8	4
Clacton-on-Sea ...	995·0	-8	SSE	7	ort	43	92	6	1500	St Cu	9	-	9	•
Shoeburyness	995·4	-8	SSE	6	o/r	44	97	6	800	Nb	10	-	10	3
Grain	996·3	-9	S	5	oDD	44	97	5	450	Nb	10	-	10	•
Lympne	997·5	-6	WSW	6	ort	53	97	7	4000	Nb	7	-	7	7
Scilly (St. Mary's) ...	999·5	-6	SW	7	opr	52	92	6	4000	Nb	10	-	10	4
Falmouth (Pendennis)	991·6	-3	W	6	o/r	52	85	6	225	St	10	-	10	1
Plymouth (Cattewater)	991·0	-10	SW'W	7	opr	49	75	6	450	St	10	-	10	6
Portland Bill	992·2	-9	SW'S	4	ort	51	92	6	800	Nb	9	a St	10	0
Southampton (Calshot)	996·7	-6	SSW	7	o/r	46	97	7	800	St	4	Ci St	10	7
Dungeness	996·4	-3	SW	5	c/r	54	92	8	4000	St Cu	8	-	8	4
Jersey 7h }														
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR Sunday, 5th Nov.

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 4th-5th °F.	Temperature. Max. Day. 5th °F.	Rainfall.† Night 17h.-9h. 4th-5th mm.	Rainfall.† Day 9h.-17h. 5th mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 5th hr.
Banff								
Montrose	-	-	31	43	-	-		0·0
Llandudno	op.	or	31	45	0·1	0·3		0·0
Colwyn Bay ...	c	cpr	39	45	-	1		0·0
Rhyl...	bc	r	39	45	-	1		0·1
Southport	o.c.o	or	37	43	0·4	2		0·5
Blackpool	c.o	or	38	43	-	1		0·6
Harrogate	c	co	31	44	0·2	-		1·0
Skegness	xb bc	o.bc.o	28	42	0·1	-		1·8
Aberystwyth ...	o.c.	o	36	45	-	3		0·0
Bath	bc.co	or	26	46	-	3		1·0
Leamington Spa ...	-	-	26	44	-	-		0·0
Lowestoft	bc.c.bc	bc.c.om	29	45	-	-		3·2
Felixstowe	bcz	o	31	45	-	-		3·6
Southend	bc	c.o	30	48	-	-		1·8

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 4th-5th °F.	Temperature. Max. Day. 5th °F.	Rainfall.† Night 17h.-9h. 4th-5th mm.	Rainfall.† Day 9h.-17h. 5th mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 5th hr.
Paignton	or	orpoq	31	49	-	3		0·0
Ilfracombe	or	or	41	46	-	8		0·0
Bude	po	po	33	48	-	0·3		0·1
Penzance	o.c.	or	36	51	-	4		0·0
Falmouth Observatory	op	orm	35	50	-	4		0·1
Torquay	dcor	coro	35	50	-	1		0·1
Weymouth	o	op.o	31	49	-	0·3		0·7
Bournemouth ...	p	p	30	48	-	0·3		0·2
Portsmouth (S'thsea)	of.c.o	o.	25	48	-	-		1·4
Worthing ..	f.bc	o	28	48	-	-		0·2
Brighton	pc.c	op.o	30	48	-	0·4		2·5
Eastbourne	bc.c	poro	34	50	-	0·2		3·2
Hastings	xc bc.c	copdo	30	48	0·	0·4		0·0
Folkestone	o	o	37	48	-	-		2·6
Tunbridge Wells ...	bc.c.	od.o	28	48	-	0·3		3·3
Ramsgate	mc.b	bo.c.o	30	46	-	-		1·4
Margate	c	o	33	47	-	-		3·2
Deal	b-bc	bc.c.od	31	45	-	-		

* 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. 22265 Tuesday, 7th November 1922. Page 1.

STATIONS.	Barom. at M.S.L. m.b	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	State of ground.
	Observations at 1300 G.M.T. 6th													
Lerwick	989.1	-3	S	5	or$_0$r$_0$	46	92	7	2500	Nb	10	-	10	*
Stornoway	981.1	-1	ESE	2	o	47	92	6	800	St	10	-	10	*
Wick	983.4	-3	SSE	5	o/r	47	97	7	2500	CuNb	10	-	10	*
Castlebay	979.0	0	E	2	o	49	85	7	1500	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	983.3	-4	S	2	or$_0$	48	97	6	1500	Nb	10	-	10	2
Malin Head	979.2	-0	SW	1	od$_0$+	49	97	6	5700	Nb	10	-	10	*
Renfrew	980.4	-3	ENE	3	od$_0$d$_0$	45	97	4	800	Nb	10	-	10	2
Edinburgh (Inchkeith)	981.6	-3	ESE	2	or$_0$r$_0$	45	97	6	-	Nb	10	-	10	*
Leuchars	981.6	-4	E	3	od$_0$	46	97	6	800	Nb	8	ASt	10	2
Eskdalemuir	980.4	-5	SE	2	o]p	46	92	6	800	StCu	10	-	10	2
Tynemouth	983.8	-5	S	4	or$_0$r$_0$	47	97	6	4000	Nb	10	-	10	*
Blacksod Point	982.5	+3	W	6	opr$_0$	49	85	9	2150	CuNb	10	-	10	*
Donaghadee	980.9	-1	WNW	2	o	51	92	7	1500	StCu	9	-	9	*
Birr Castle	983.6	*	S	2	cpr$_0$	49	92	4	4000	Nb	8	-	8	*
Holyhead	980.4	-1	W	5	od$_0$d$_0$	50	92	6	4000	Nb	10	-	10	2
Liverpool (Bidston)	980.4	-3	S	3	orr	49	92	5	1500	Nb	10	-	10	*
Chester (Shotwick)	981.0	-4	SSW	2	or	51	85	7	1500	Nb	8	ASt	10	2
Spurn Head	983.6	-7	S'W	4	opr$_0$	49	92	6	4000	StCu	4	ACu	9	*
Nottingham	983.3	*	SW	4	or	52	85	6	1500	Nb	10	-	10	*
Cranwell	984.1	-6	S'W	4	od$_0$d$_0$	51	92	8	800	StCu	8	ASt	9	2
Gorleston	989.7	-3	S'W	5	o/r	49	97	6	4000	Cu	8	-	8	*
Valencia (Cahirciveen)	988.9	0	WNW	8	bcPR	39	85	7	-	-	-	A.Cu	6	※
Roches Point	988.3	+1	W	4	cPR	49	85	8	800	CuNb	8	-	8	*
Pembroke (St. Ann's H.)	986.9	+2	WSW	8	c	53	85	7	2500	Cu	7	-	7	*
Ross-on-Wye	985.1	-3	WSW	5	o/r	53	75	8	2500	Nb	9	-	9	2
Benson	987.1	-3	SW	5	o/r	53	85	8	-	Cu	9	-	9	2
Andover	988.9	-2	WSW	6	cjp	55	75	8	1500	Nb	6	C.St	8	2
S. Farnborough	989.7	-3	WSW	7	or	54	75	7	1500	Cu	9	-	9	2
London (Kew Obsy.)	988.4	-3	SW	4	aor$_0$	54	75	8	1500	Nb	10	-	10	2
Croydon	988.5	-5	WSW	5	o/r	53	75	7	1500	Nb	10	-	10	2
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	989.6	-4	SSW	4	cr$_0$	54	75	6	2500	StCu	7	ACu	8	*
Grain	989.6	-5	SSW	5	cjp	55	75	7	800	St	7	-	7	2
Lympne	991.2	-4	SW	6	o/r	53	85	7	800	St	8	ASt	9	2
Scilly (St. Mary's)	993.5	-2	W	6	c/r	54	97	7	4000	StCu	7	-	7	*
Falmouth (Pendennis)	997.1	+1	W	7	c	55	85	7	4000	CuNb	7	-	7	*
Plymouth (Cattewater)	991.8	+1	W	6	cPR	55	75	7	1500	CuNb	7	-	7	2
Portland Bill	990.8	-2	SW	7	oPR	53	85	6	450	St	10	-	10	*
Southampton (Calshot)	991.1	-1	SW	6	cjp	53	85	7	2500	Cu	7	-	7	2
Dungeness	992.0	-3	SW	7	bcPR	53	92	8	2500	Cu	6	-	6	*
Jersey 7h / Guernsey 1h	995.9	0	SW	6	c/r	56	85	8	4000	CuNb	8	-	8	*

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
	Observations at 1800 G.M.T. 6th													
Lerwick	988.5	0	SSE	6	or$_0$r$_0$	45	92	6	2500	Nb	10	-	10*	5
Stornoway	982.5	+3	ESE	2	bc	40	97	6	800	St.	6	-	6	1
Wick	983.2	0	SSE	3	or$_0$r$_0$	48	97	7	2500	Nb	10	-	10	6
Castlebay	982.8	+3	-	0	o	49	85	6	1500	St.	10	-	10	1
Nairn	982.3	*	-	0	od	43	97	6	2500	Nb	10	-	10	*
Aberdeen	982.8	0	SE'S	3	o/r	47	97	6	1500	Nb	10	-	10	0
Malin Head	980.3	+2	W	2	o/r	49	97	6	5700	Nb	8	A.Cu	9	2
Renfrew	980.8	0	NE	2	mo	46	97	5	800	Nb	10	-	10	*
Edinburgh (Inchkeith)	980.8	-1	ENE	1	orr	46	97	6	-	Nb	10	-	10	1
Leuchars	980.6	0	-	0	odd$_0$	46	97	6	800	Nb	10	-	10	*
Eskdalemuir	980.1	0	N	1	o	45	92	6	1500	St.	10	-	10	*
Tynemouth	982.0	-3	-	0	o/r	47	97	5	4000	Nb	10	-	10	0
Blacksod Point														
Donaghadee	981.6	+1	SW	2	or$_0$r$_0$	48	92	7	1500	St.	10	-	10	2
Birr Castle	985.8	*	WSW	2	or$_0$	44	92	7	2500	?	?	?	?	*
Holyhead	983.7	+3	W	6	o	49	75	8	1500	St.	10	-	10	6
Liverpool (Bidston)	982.2	+4	W'S	5	or$_0$r$_0$	47	97	6	1500	Nb	10	-	10	5
Chester (Shotwick)	982.9	+3	W	5	or$_0$	49	85	3	1500	Nb	10	-	10	*
Spurn Head	981.2	-2	SSW	6	odd	48	92	6	1500	St	6	A.St.	10	6
Nottingham	983.7	*	SW	4	or	49	92	6	1500	Nb	10	-	10	*
Cranwell	984.0	+2	WSW	3	or$_0$r$_0$	48	97	7	800	Nb	10	-	10	*
Gorleston	988.0	-1	SSW	4	bc	51	75	6	4000	Cu	4	-	4	4
Valencia (Cahirciveen)	990.7	+2	WSW	8	OPR	50	85	6	-	St	9	-	9	-
Roches Point	991.1	+2	WNW	4	opr$_0$	45	92	8	800	CuNb	10	-	10	6
Pembroke (St. Ann's H.)	988.5	+3	W'S	8	bcjp	50	65	8	2500	CuNb	6	-	6	7
Ross-on-Wye	987.8	+3	SWW	3	bc/r	48	85	8	2500	Nb	6	-	6	*
Benson	989.2	+1	SW	4	o	49	92	8	-	St	10	-	10	*
Andover	990.1	+1	WSW	5	or	49	85	6	1500	Nb	10	-	10	*
S. Farnborough	990.3	+2	WSW	6	o	50	85	8	1500	Nb	10	-	10	*
London (Kew Obsy.)	989.5	+2	SW	4	c/r	50	85	7	4000	Cu	7	-	7	*
Croydon	990.1	+1	SW	4	bc/r	50	85	6	1500	St.Cu	4	-	4	*
Clacton-on-Sea	989.0	0	SSW	4	c/r	48	92	7	4000	Nb	7	-	7	3
Shoeburyness	989.6	0	S'W	3	b/r	50	85	6	-	-	0	-	0	*
Grain	990.3	+2	SW	5	c-	51	85	7	2500	St.Cu	7	-	7	3
Lympne	991.5	+1	SW	6	o	51	85	7	800	CuNb	8	A.St	9	*
Scilly (St. Mary's)	995.8	+2	W	6	cpr$_0$	50	97	7	4000	CuNb	7	-	7	7
Falmouth (Pendennis)	994.6	+4	W	5	c	48	85	7	4000	CuNb	7	-	7	4
Plymouth (Cattewater)	994.5	+4	W	5	b	49	75	8	1500	CuNb	2	-	2	4
Portland Bill	991.8	+3	W	7	bc/r	53	85	6	2500	Cu	6	-	6	7
Southampton (Calshot)	991.4	0	SW	6	cjp	51	92	7	1500	Nb	8	-	8	6
Dungeness	991.9	-2	W	6	c/r	52	92	8	-	-	0	A.Cu	6	7
Jersey 7h / Guernsey 1h	996.9	0	SW	6	bc/r	53	85	8	4000	CuNb	4	-	4	6

LONDON OBSERVATIONS	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. 7th								Yesterday.		To-day.
Kew / Croydon } 24 hours ended 0700 — Kew	oipbom$_0$	porqpq	cqorq	*	*	36	3	1	2.7	*	*
Croydon	or$_0$Mm	opcdc	bcomx$_0$	*	*	36	5	1	3.3	*	*
Greenwich (Royal Obsy.)	ocp	obp	opbor	56	40	32	3	2	2.9	77	80
City (Bunhill Row)	*	*	*	*	*	*	*	*	1.4	*	*
Westminster (St. James' Pk.)	*	*	*	54	41	36	6		*	84	80
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	2.5	*	*
Camden Square	b	o	*	58	41	38	3	2	*	*	80
Kensington Palace	oc	op	*	56	41	34	3	3	"	86(18h)	84
Hampstead Observatory	bor	c	*	55	39	37	4	2	2.0	*	90

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 6th

South Kensington			
Max.	Time.	Min.	Time.
0.6 / 0.6	18h. 5th / 13h. 6th	40.3	5h. 6th
Kew Observatory			
Max.	Time.	Min.	Time.
0.5	18h. 5th	-	-
-	-		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 6th 17 h. 30 m. to 7th 06 h. 00 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	12.30	8.35	69
δ Ursae Minoris	12.30	7.54	63

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 today in 1300 & 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	6	-	140
18h.	-	-	-	-
01h.	C	6	-	160
07h.	C, C$_2$	6	-	160

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

7th & 8th November, 1922.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.0 / 7.2	11.37 / 11.37	4.14 / 4.12
Greenwich	7.5 / 7.7	11.44 / 11.44	4.23 / 4.21
Wick	7.44 / 7.46	11.56 / 11.56	4.8 / 4.6
Valencia	7.41 / 7.43	12.25 / 12.25	5.3 / 5.1

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.
jp 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;] = 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$_0$r$_0$ = continuous light rain.

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.

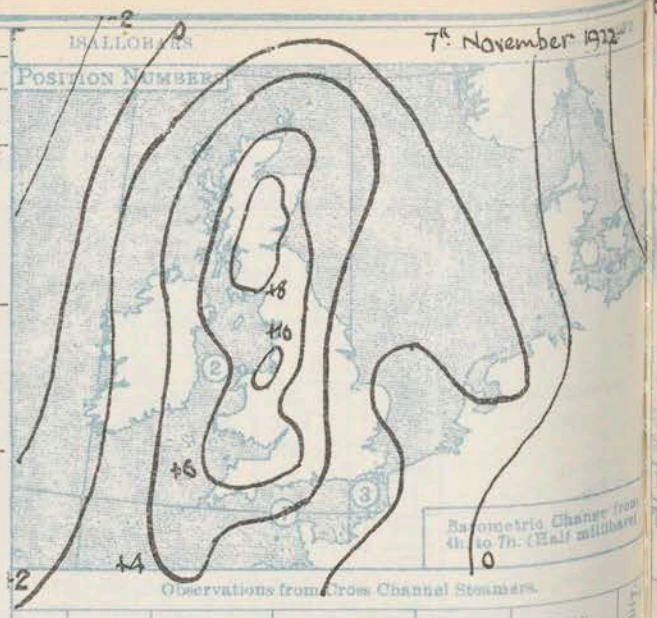
SEA DISTURBANCE.
0 = no swell, 1 = mod. swell, 2 = heavy swell } Calm or slight sea.
3 = no swell, 4 = mod. swell, 5 = heavy swell } Moderate sea.
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

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. 6th	13h.–18h. 6th	18h. 6th to 1h. 7th	1h.–7h. 7th	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	omr	omr	47	42	•	9	9	L0800	<2100	•
Stornoway	oo	c	c	o	48	39	•	–	–	–	–	1.2
Wick	or₀r₀	or₀r₀	or₀y₀	or₀o	48	47	•	1	0.2	L0800	<2100	•
Castlebay	oo	o	obcop		50	43	•	0.5	Trace	–	–	0.0
Nairn	dem	amo	dqom	caq	45	42	•	2	2	0900	<2100	0.3
Aberdeen	omdr	omr₀	omiv₀	oiv₀m	48	46	43	4	2	L0800	<2100	0.0
Malin Head	amdd	oiRm	coe	coup	49	48	•	5	0.6	1100	02.30	0.0
Renfrew	orrm	or₀r₀m	ca₀d₀m	omc	46	44	41	5	1	L0800	<2100	0.0
Edinburgh (Inchkeith)	r₀r₀	z	yr	o	46	45	44	6	1	1430	03.30	0.0
Leuchars	r-d	r.ord	yor	d	47	44	41	6	2	L0800	<2100	0.0
Eskdalemuir	oidm	oo	oiym	o	47	42	41	3	3	–	<2100	0.0
Tynemouth	or₀r₀	or₀r₀m	op₀ffm	om	48	45	41	1	0.4	L0800	<2100	•
Blacksod Point ...	oo											•
Donaghadee	co	omr	c	bc	52	46	•	2	0.1	L0800	<2100	•
Birr Castle ...	cp₀r	coir₀	co	co	52	43	42	1	1	L0800	<2100	•
Holyhead	iRdd₀m	oiRo	ompoo	ooiv	51	47	44	6	0.1	L0800	<2100	0.0
Liverpool (Bidston) ...	r-d	or	yoq		50	43	43	12	4	L0800	2400	0.0
Chester (Shotwick) ...	od₀orr₀	oir	oopyorm	oyrd₀qm	53	46	42	3	3	0900	24.00	•
Spurn Head	oprcp	opq	yord	codm	48	42	•	3	3	L0800	<2100	0.3
Nottingham	r	rr	c	yy	52	42	37	5	3	L0800	2400	0.2
Cranwell	rir₀	r₀r	bbc	oy₀	51	40	38	5	5	L0800	01.30	0.0
Gorleston	oqr	cqbcq	cq	bccd	53	39	35	2	–	L0800	-	•
Valencia (Cahirciveen)		cop	opq									
Roches Point	cp	cpop					•	0.6		1100		•
Pembroke (St. Ann's H.)	oqpoc	bcqpc	oqpr	oqpr	53	46	•	0.3	1	L0800	<2100	2.8
Ross-on-Wye	Pcoir	cqpoirq	cpvbcb	bcbbcc	54	40	35	4	–	L0800	–	1.4
Benson...	roc	bco	ocbc	y₀	55	39	35	1	0.3	L0800	03.30	•
Andover	cprbcoq	cqopr	orbo	opvcbc	56	40	35	0.5	1	L0800	<2100	3.8
S. Farnborough ...	corqopro	oRo₀q	opv₀cb	bbc	55	44	34	1	0.1	L0800	<2100	3.3
London (Kew Obsy.) ...	oip₀bomo	orqpq	cqcqyq	oy₀ocw	55	41	36	3	1	L0800	<2100	2.7
Croydon	r₀PHm	opcdc	bcomvb	boyy₀	55	41	36	5	1	L0800	<2100	3.3
Clacton-on-Sea ...	corbc	bccp	c	cd	50	41	37	6	Trace	L0800	06.30	2.9
Shoeburyness	oir₀aRrbc	r.ord	bbcPR	oyy	56	40	36	6	1	L0800	22.00	3.5
Grain	aPRc	cjobc	cborb	boyy	56	40	39	6	1	L0800	<2100	4.7
Lympne	omrr₀R	opr	ocbc	bcor₀m	53	39	34	7	0.5	L0800	06.30	1.2
Scilly (St. Mary's) ..	cqp	cqp₀	bcq	bccq	55	48	•	0.6	1	L0800	<2100	4.1
Falmouth (Pendennis)	cpcp	cpcmq	ompq		55	45	•	1	3	0900	<2100	4.5
Plymouth (Cattewater)	cwr	cpr	bor	oirm	55	43	42	1	11	–	<2100	2.0
Portland Bill	rqqp	opcq	cpor	oiqp	55	45	•	2	3	L0800	<2100	•
Southampton (Calshot)	p	p	bbc	oid₀	55	44	42	0.5	0.2	L0800	<2100	5.4
Dungeness	p	pRq	pyq	bbc	53	44	•	5	1	L0800	<2100	•
Jersey 7h } Guernsey 1h }	obqpc	cqpbc	p	boqyo	57	44	•	1	1	0900	2200	4.8



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	6th 10h	Hibernia	SSW	4	oc	51	54
3	7th 3h	?	W	6	oR	47	52

GENERAL INFERENCE.

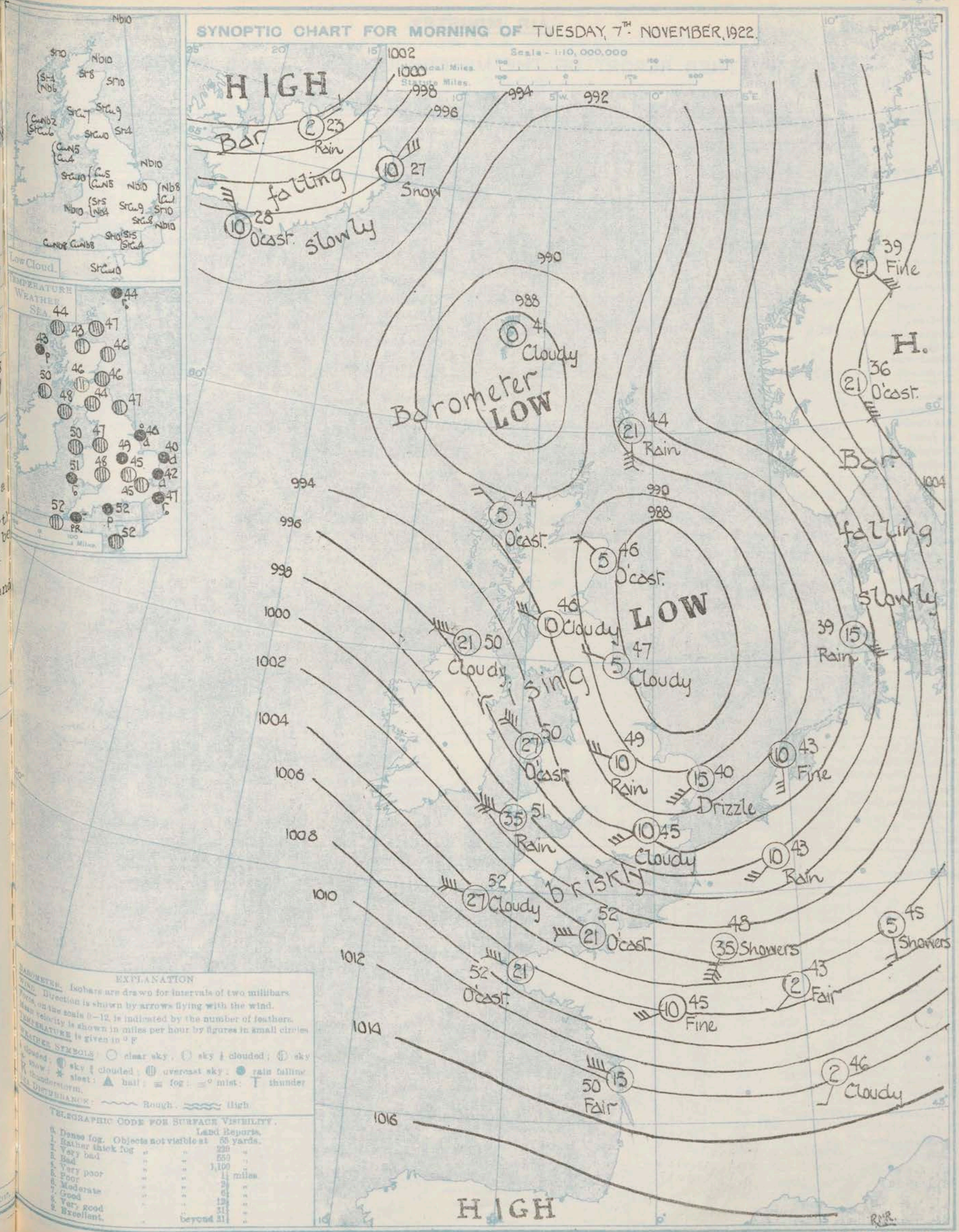
The depression over the North Sea is filling up while a new depression is forming to the North of Scotland. The weather will be mainly fair with only occasional showers and decreasing north-westerly winds, except in Scotland where cloudy and unsettled conditions will be maintained.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Tuesday, 7th November, 1922.	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	Wind NW, fresh or strong at first, moderating; occasional showers but considerable bright periods; visibility moderate or good; moderate temperature.	With-held.
11. E. Scotland 12. S.W. Scotland	Moderate or fresh westerly winds; cloudy, occasional rain; visibility mainly good; rather colder.	
13. Isle of Man	As 1 - 10.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	As 11 - 12.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Fresh or strong N.W. wind, backing and moderating; occasional showers, considerable bright periods; visibility good; rather colder.	

SYN

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.


SYNOPTIC CHART FOR MORNING OF TUESDAY, 7TH NOVEMBER, 1922.
Scale - 1:10,000,000
HIGH
Bar. falling slowly
Rain
Snow
O'cast.
Barometer LOW
Cloudy
Rain
O'cast.
O'cast.
Cloudy
LOW
Cloudy
Rising
O'cast.
Rain
Drizzle
Rain
Cloudy
Rain
Cloudy
Rising
O'cast.
Showers
Showers
Fair
Fine
Fair
Cloudy
O'cast.
Fine
Rain
Fine
H.
Bar. falling slowly
HIGH
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: 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.
Land Reports.
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 " " 1 mile
5. Poor " " 2 "
6. Moderate " " 6 "
7. Good " " 12 "
8. Very good " " 31 "
9. Excellent. " beyond 31 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION....Tuesday, 7th November.....1922. No..311...

Observations at 0100 G.M.T.....7th.....

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	990.7	+2	SSE	5	orr	45	85	6	2500	Nb	10	–	10	.
Stornoway	987.5	+4	NNE	3	b+	.	.	5	.	.	.	.	.	.
Wick	986.6	+3	ESE	3	or,r,	48	97	8	2500	Nb	10	–	10	.
Castlebay	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nairn	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Aberdeen	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Malin Head	988.9	+8	NW	4	0	50	97	7	5700	Nb	4	ASt	10	.
Renfrew	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Edinburgh (Inchkeith)	984.6	+4	N	1	o/rm	45	97	7	–	St	10	–	10	.
Leuchars	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eskdalemuir	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Tynemouth	987.5	+2	NNW	1	o/r	46	97	5	4000	StCu	10	–	10	.
Blacksod Point ...														.
Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Holyhead	987.7	+5	WNW	5	o	49	85	8	2500	StCu	10	–	10	.
Liverpool (Bidston) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chester (Shotwick) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spurn Head	984.3	+2	SSW	5	c	44	85	7	2500	StCu	8	–	8	.
Nottingham	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cranwell	986.8	-3	SW'S	4	o	41	92	8	4000	StCu	7	ACu	9	.
Gorleston	989.7	N	SW	4	bc-	40	92	7	–	–	0	Cu	5	.
Valencia (Cahirciveen)	997.1	+4	W	8	o/r	51	97	6	–	St	10	–	10	.
Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pembroke (St. Ann's H.)	991.5	+3	WNW	7	o,,	49	92	6	1500	Nb	10	–	10	.
Ross-on-Wye	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Benson...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Andover	.	.	.	.	.	.	.	.	.	.	.	.	.	.
S. Farnborough ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
London (Kew Obsy.) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Croydon	992.3	0	SW'W	4	b-	43	85	7	–	–	0	–	0	.
Clacton-on-Sea ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Shoeburyness	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Grain	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lympne	992.0	0	SW	4	b	41	92	7	2500	Cu	2	–	2	.
Scilly (St. Mary's) ...	993.5	+4	W'N	7	b/r	52	97	7	4000	CuNb	3	–	3	.
Falmouth (Pendennis)														.
Plymouth (Cattewater)	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Portland Bill	992.8	0	W	7	oPR-	52	85	7	450	St	10	–	10	.
Southampton (Calshot)	992.8	-1	WSW	4	ct	45	85	8	–	–	0	CiCu	8	.
Dungeness	992.8	0	W	4	cPR-	45	92	8	4000	Nb	3	CiCu	7	.
Jersey 7h }	998.2	0	WSW	7	o/l	50	85	7	5700	CuNb	10	–	10	.
Guernsey 1h }														

Observations at 0700 G.M.T.....7th.....

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	992.4	+2	S	5	o,r,o	44	92	6	2500	Nb	10	–	10	4
Stornoway	991.4	+4	NW	2	0	44	92	6	800	St	10	–	10	1
Wick	990.1	+7	SE	2	0	47	97	8	2500	Nb	10	–	10	4
Castlebay	993.7	+4	WNW	4	obr,	43	85	6	1500	Nb	10	–	10	4
Nairn	991.1	.	–	0	c/r	43	92	8	1500	St	8	–	8	.
Aberdeen	989.2	+5	NW	2	o/r	46	97	6	1500	St	10	–	10	0
Malin Head	995.0	+5	WNW	5	c/r	50	92	7	5700	StCu	8	–	8	4
Renfrew	992.1	+8	WNW	3	c	46	85	6	4000	StCu	7	–	7	1
Edinburgh (Inchkeith)	990.5	+7	WNW	2	o-	46	92	8	–	StCu	9	–	9	.
Leuchars	990.3	+8	WNW	3	cd,	45	85	8	1500	St	8	ASt	10	.
Eskdalemuir	991.1	+8	W	1	0	44	85	7	2500	StCu	10	–	10	.
Tynemouth	988.6	+4	WNW	2	c-	47	92	6	2500	St	4	CiCu	8	1
Blacksod Point ...	995.7	+8	WNW	2	o+	48	85	7	4000	CuNb	9	–	9	2
Donaghadee	1000.7	.	NW	3	c/r	46	92	7	2500	Cu	7	–	7	.
Birr Castle	994.9	+5	NW'W	6	0	50	92	8	2500	StCu	10	–	10	5
Holyhead	992.2	+7	W	6	0	47	97	8	1500	Cu	10	–	10	6
Liverpool (Bidston) ...	993.0	+0	WNW	6	od,d,	49	92	6	450	Nb	10	–	10	.
Chester (Shotwick) ...														
Spurn Head	987.5	+3	W	3	od,	46	92	5	4000	Nb	10	–	10	6
Nottingham	990.7	.	NNW	3	orr	49	85	5	1500	Nb	10	–	10	.
Cranwell	990.8	+5	W'N	3	o,r,	45	97	6	800	Nb	10	–	10	.
Gorleston	991.1	+1	SW	4	od,d,	40	92	7	2500	Nb	9	–	9	1
Valencia (Cahirciveen)														
Roches Point	999.2	+7	NNW	7	or,	51	95	7	1500	Nb	10	–	10	7
Pembroke (St. Ann's H.)	995.2	+6	W	4	o+	48	85	8	2500	St	9	–	9	.
Ross-on-Wye	994.1	+4	W	3	0	45	97	7	–	StCu	9	–	9	.
Benson...	995.3	+6	W	5	b-	45	92	8	2500	StCu	1	–	1	.
Andover	994.7	+6	W	3	bc-	45	92	7	4000	StCu	4	ACu	8	.
S. Farnborough ...	994.1	+4	WSW	3	c/r	45	92	7	1500	StCu	8	–	8	.
London (Kew Obsy.) ...	994.0	+2	WSW	4	o/r	46	92	7	1500	St	6	ASt	10	.
Croydon	991.8	+2	SSW	3	od,+	42	92	7	2500	St	10	–	10	0
Clacton-on-Sea ...	992.6	0	SW	3	orr	43	92	6	1500	Nb	10	–	10	.
Shoeburyness	993.3	+2	SSW	4	or,r,	43	97	7	1500	Nb	10	–	10	3
Grain	994.4	+3	WSW	3	or,r,	42	97	6	800	Nb	8	ASt	10	.
Lympne														
Scilly (St. Mary's) ...	1003.7	+5	WNW	6	c	52	97	7	4000	CuNb	8	–	8	7
Falmouth (Pendennis)	1001.5	+4	W	5	cPR-	?	85	7	4000	CuNb	8	–	8	2
Plymouth (Cattewater)	1000.6	+6	WNW	5	orr	49	97	6	450	Nb	10	–	10	1
Portland Bill	996.4	+5	W	7	opr,	52	95	6	450	St	10	–	10	7
Southampton (Calshot)	996.2	+3	W	4	o	48	92	7	800	St	9	–	9	0
Dungeness	994.0	+3	W	3	or,	47	92	7	4000	Nb	10	–	10	3
Jersey 7h }	1002.5	+3	W	5	o/r	52	85	8	4000	StCu	10	–	10	6
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR....Monday, 6th Nov.r.

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 5th-6th °F.	Temperature. Max. Day. 6th °F.	Rainfall.† Night 17h.-9h. 5th-6th mm.	Rainfall.† Day 9h.-17h. 6th mm.	Sunshine hr.	Sunshine. Sunrise to Sunset. 6th hr.
Banff								3.9
Montrose	*	*	41	48	5	1	0.0	0.1
Llandudno	rod	r	38	51	5	5	0.0	2.4
Colwyn Bay ...	rcp	rdco	42	51	9	7	0.0	4.2
Rhyl...	r	r	41	51	8	4	0.0	2.9
Southport	rr	rr	40	48	9	12	0.0	5.6
Blackpool	or	or	41	49	9	8	0.0	5.0
Harrogate	pr	or	38	48	7	3	0.0	3.9
Skegness	ropc	ocro	40	51	6	2	0.6	3.4
Aberystwyth ...	roc	o	43	52	5	8	0.0	1.9
Bath	beiR	bcop	42	54	10	2	2.1	4.6
Leamington Spa ...	or	or	38	53		3	0.0	1.2
Lowestoft	oroc	cbcpo	41	51	7	1	1.7	1.8
Felixstowe	omrbc	bcp	42	52	10	2	3.2	2.2
Southend	opc	bcpc	41	55	8	1	4.4	2.2
Paignton	cqbc	cpq	47	56	11	2		
Ilfracombe	oco	oco	46	52	8	0.3		
Bude	pcpqc	qcqcp	48	55	7	1		
Penzance	bcp	bcop	51	56	7	1		
Falmouth Observatory	bcq	bcpq	49	55	6	1		
Torquay	p	p	47	56	9	5		
Weymouth	bcp	bcpo	41	56	19	3		
Bournemouth ...	bc	bc	36	56	21	1		
Portsmouth (S'thsea)	pcp	bc	44	56	17	1		
Worthing ...	bcp	pbcb	44	53	11	1		
Brighton	orb	bob	44	55	9	1		
Eastbourne	rocpc	cpc	43	56	10	6		
Hastings ...	qRbc	oRq	42	54	9	5		
Folkestone	r	o	38	52	8	3		
Tunbridge Wells ...	orco	coc	40	54	16	1		
Ramsgate	oro	bcrbo	37	56	5	1		
Margate	o	bc	41	56	6	1		
Deal	rqo	bccod	41	54	8	4		

* 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 4.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22266 Wednesday, 8th November, 1922.

Observations at 1300 G.M.T. 7th

Stations.	Barom. at M.S.L. m.b	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	State of Ground.
Lerwick	994·5	+2	S	4	or₀	46	92	6	4000	Nb	10	-	10	*
Stornoway	994·6	+3	WNW	3	opr₀	46	92	6	450	St	10	-	10	*
Wick	994·0	+4	WSW	2	o/r	47	91	8	5700	StCu	7	Ci	9	*
Castlebay	998·8	+3	W	4	c	48	75	7	1500	StCu	5	ASt	7	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	995·0	+5	NWN	3	o-	49	85	8	4000	StCu	9	-	9	2
Malin Head	1000·6	+5	WNW	5	cpr₀	49	91	7	2500	Nb	7	-	7	*
Renfrew	998·4	+4	WNW	3	o+	52	75	7	4000	Nb	9	-	9	2
Edinburgh (Inchkeith)	995·5	+4	WNW	3	bc-	51	75	7	-	St	3	CiCu	4	*
Leuchars	995·8	+5	WNW	3	bc	53	65	8	5700	StCu	5	Ci	6	0
Eskdalemuir	998·1	+6	WNW	4	bc-	50	65	7	2500	Cu	5	-	5	1
Tynemouth	996·1	+4	NW	2	c	50	85	6	4000	StCu	6	CiCu	8	*
Blacksod Point														*
Donaghadee	1002·4	+2	WNW	2	cpr₀	49	85	8	4000	CuNb	2	ACu	7	*
Birr Castle	1005·8	*	SW	2	c+	49	75	8	4000	StCu	5	ACu	8	*
Holyhead	1002·4	+5	WNW	6	o-	52	85	8	2500	Cu	9	-	9	2
Liverpool (Bidston)	1000·9	+7	W	7	c+	49	85	7	1500	CuNb	7	-	7	*
Chester (Shotwick)	1001·3	+8	WNW	6	o+	52	75	8	1500	St	9	-	9	1
Spurn Head	995·4	+8	WNW	5	c	48	85	7	4000	CuNb	8	-	8	*
Nottingham	998·8	*	W	6	b-	?	75	6	4000	Cu	2	-	2	*
Cranwell	998·1	+6	NW'W	5	o	52	85	6	1500	StCu	10	-	10	1
Gorleston	996·4	+2	WNW	3	mmo	50	85	5	5700	StCu	10	-	10	*
Valencia (Cahirciveen)	1009·7	+1	NW'N	4	PR	51	55	8	-	St	5	-	?	*
Roches Point														*
Pembroke (St. Ann's H.)	1005·7	+6	NW	5	c	51	75	7	4000	StCu	7	-	7	*
Ross-on-Wye	1002·8	+7	WNW	4	c-	53	75	9	4000	StCu	7	-	7	1
Benson	1001·5	+8	W'W	4	c	53	75	8	-	CuNb	7	-	7	2
Andover	1002·3	+8	WNW	6	bc-	55	75	8	1500	StCu	6	-	6	1
S. Farnborough	1001·7	+7	NW	5	o+	54	75	8	1500	StCu	9	-	9	1
London (Kew Obsy.)	1001·4	+8	WNW	3	o	53	75	7	2600	StCu	10	-	10	1
Croydon	1001·5	+8	WNW	3	o/r	52	75	7	2500	StCu	10	-	10	2
Cleaton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	999·2	+7	WNW	4	o/r	52	75	8	4000	StCu	8	ACu	9	*
Grain	1000·4	+8	W	5	o	51	85	6	2500	StCu	10	-	10	2
Lympne	1000·0	+6	W'N	5	o/p	52	75	8	2500	St	9	ASt	10	1
Scilly (St. Mary's)	1010·2	+6	WNW	5	bc	54	75	7	4000	Cu	4	-	4	*
Falmouth (Pendennis)	1009·2	+4	NW	4	bc-	52	75	8	4000	StCu	5	-	5	*
Plymouth (Cattewater)	1007·8	+7	WNW	5	o-	52	75	7	1500	St	10	-	10	2
Portland Bill	1003·6	+7	W	6	p/r	54	75	6	-	-	0	CiCu	2	*
Southampton (Calshot)	1003·4	+7	W'N	6	bc+	54	75	8	2500	Cu	5	-	5	0
Dungeness	1000·6	+3	W	3	c-	54	75	7	4000	Nb	8	-	8	*
Jersey	1006·6	+4	W	5	c/r	55	75	8	4000	StCu	8	-	8	*

Observations at 1800 G.M.T. 7th

Stations.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	994·6	0	SW	4	bc-	47	97	6	5700	StCu	3	ASt	6	3
Stornoway	998·2	+4	WNW	3	o/r	45	75	6	450	St	10		10	2
Wick	997·4	+4	W	3	bc-	42	92	8	5700	StCu	3	Ci	4	1
Castlebay	1001·4	+2	W	5	opr₀	47	75	6	800	Nb	9	-	9	5
Nairn	1000·4	*	-	0	bc-	45	85	8	4000	Cu	5	-	5	*
Aberdeen	999·4	+6	NW	2	b-	45	85	7	4000	StCu	2	-	2	1
Malin Head	1002·9	+2	WNW	5	c/r	47	85	7	5700	Nb	4	ACu	7	4
Renfrew	1002·3	+6	W	3	o+	44	85	7	2500	St	9	-	9	*
Edinburgh (Inchkeith)	1000·6	+6	WSW	3	b-	46	85	8	-	-	0	CiSt	3	3
Leuchars	999·6	+5	W	3	b-	45	85	8	4000	StCu	2	CiSt	3	*
Eskdalemuir	1002·3	+4	WNW	4	bc-	43	75	7	2500	StCu	4		4	*
Tynemouth	1000·7	+6	W	2	b-	47	92	6	-	-	0	ACu	2	1
Blacksod Point														*
Donaghadee	1005·1	+3	WNW	1	bc-	45	75	8	-	CuNb	2	ACu	5	0
Birr Castle	1007·9	*	W	1	o+	46	85	6	1500	St	9	-	9	*
Holyhead	1006·4	+8	WNW	6	0	50	85	8	4000	StCu	9	-	9	6
Liverpool (Bidston)	1005·6	+4	W	4	o/r	47	85	7	2500	StCu	9	-	9	5
Chester (Shotwick)	1006·0	+6	WNW	5	orr	46	85	4	1500	Nb	9	-	9	*
Spurn Head	1002·8	+7	W	4	0	48	85	6	1500	St	7	ASt	10	5
Nottingham	1005·1	*	W	3	0	49	85	6	2500	Nb	10	-	10	*
Cranwell	1004·4	+6	WNW	4	bc-	47	92	6	2500	StCu	5	-	5	*
Gorleston	1002·7	+4	W'N	3	mo-	48	92	5	4000	Nb	10	-	10	1
Valencia (Cahirciveen)														
Roches Point														
Pembroke (St. Ann's H.)	1009·7	+2	WNW	3	c	50	75	8	4000	StCu	7	-	7	4
Ross-on-Wye	1008·0	+6	W'S	2	b-	48	75	9	2500	St	2	-	2	*
Benson	1007·5	+7	WNW	4	bc	49	85	9	-	Cu	5	-	5	*
Andover	1009·5	+8	W	4	c	48	85	6	2500	StCu	7	-	7	*
S. Farnborough	1007·6	+8	NW	3	bc-	48	85	8	1500	StCu	5	-	5	*
London (Kew Obsy.)	1007·4	+8	WNW	3	c	50	75	5	4000	StCu	3	ACu	7	*
Croydon	1007·5	+9	W'N	3	bc-	50	75	7	4000	StCu	5	-	5	*
Cleaton-on-Sea	1004·5	+8	W	4	c	49	85	7	7200	StCu	7	-	7	1
Shoeburyness	1005·9	+8	WSW	2	bc-	50	65	8	4000	StCu	6	-	6	*
Grain	1005·8	+7	W	4	bc	49	85	7	4000	St	4	-	4	0
Lympne	1007·2	+7	W	3	bc-	49	85	6	2500	StCu	3	ACu	5	*
Scilly (St. Mary's)	1012·3	+2	WNW	3	opr₀	49	85	7	4000	StCu	10	-	10	6
Falmouth (Pendennis)	1012·2	+5	WNW	3	o/r	49	92	8	2500	Cu	9	-	9	1
Plymouth (Cattewater)	1011·7	+5	W	4	o-	49	85	8	1500	StCu	10	-	10	1
Portland Bill	1009·0	+5	W	5	b-	51	75	7	-	-	0	-	0	4
Southampton (Calshot)	1009·3	+7	W	4	bc-	49	85	8	4000	StCu	4		4	0
Dungeness	1006·2	+8	NW	3	bc-	48	97	7	-	-	0	ACu	5	3
Jersey	1011·0	+3	WNW	5	b	52	75	8	4000	StCu	2	-	2	6

London Observations

	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 0200 G.M.T. 8th								Yesterday.		To-day.
Kew	bco	c30	pcoum	*	*	38	Tr.	-	1·7	*	*
Croydon } 24 hours ended 0700	ocmd	obc2	bcbmo	*	*	38	Tr	-	1·3	*	*
Greenwich (Royal Obsy.)	coY	bbc	bcmo	54	42	34	-	-	2·4	40	89
City (Bunhill Row)	*	*	*	*	*	*	*	*	0·8	*	*
Westminster (St. James' Pk.)	*	*	*	55	43	36	-	-	1·6	71	90
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	1·8	*	*
Camden Square	qw	o	*	57	44	40	-	-	*	*	89
Kensington Palace	co	o	*	54	43	36	-	-	*	75 (18h)	92
Hampstead Observatory	b	b	*	52	41	37	-	-	1·8	*	92

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington

Max.	Time.	Min.	Time.
0·6	1800 (7th)	<0·3	0000–0400 (7th)
0·6	0900 (7th)		

Kew Observatory

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

Pole Star Record at Greenwich Obsy.

Exposure from 7th 17h 30m to 8th 06h 00m

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	12.30	5.15	42
δ Ursae Minoris	12.30	4.22	35

Code for State of Ground

0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2ins. deep.
4 = Bare ground frozen (but more than 2ins. deep.
5 = Dew (or wet grass but not wet ground).
6 = Skating today in 1300 & 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.				
18h.	C_1C_2	6	-	130
02h.	CC_2	5	-	135
07h.	C_1C_2	5	-	155

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

8th & 9th November, 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.2 / 7.4	11.34 / 11.34	4.12 / 4.10
Greenwich	7.7 / 7.9	11.44 / 11.44	4.21 / 4.19
Wick	7.46 / 7.49	11.53 / 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).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
! lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp 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.
₀r₀r₀ = continuous light rain.

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.

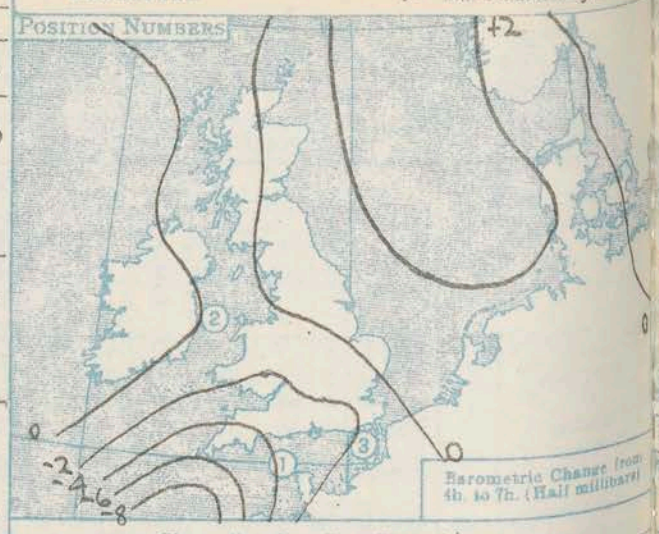
0 = no swell } Calm or slight sea.
1 = mod. swell
2 = heavy swell
3 = no swell } Moderate sea.
4 = mod. swell
5 = heavy swell
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

† 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. 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. Hours.
Lerwick	cmr	omr	cmp	bc	47	39	.	3	0.4	0900	<2100	.
Stornoway	p	p	c	bc	49	34	.	2	–	–	–	2.0
Wick	dodom	c	c	o	49	34	.	0.5	–	<0800	–	.
Castlebay	opepc	cop	opbc	bco	49	43	.	2	0.5	–	–	1.0
Nairn	bc	bc	bccq	cq	49	34	.	–	–	–	–	1.7
Aberdeen	idomo	cbcb	bbcm	bcm	50	35	26	Trace	–	<0800	–	2.1
Malin Head	cmpr	cmp	coir	cow	?	41		0.5	2	0900	22.00	0.9
Renfrew	cmo	obco	ocm	comd	53	37	28	Trace	Trace	–	–	3.2
Edinburgh (Inchkeith)	c	cbc	om	c	52	42	34	Trace	–	1730	–	3.1
Leuchars	c	borbc	o	o	53	34	22	Trace	–	<0800	–	2.8
Eskdalemuir	oc	cobc	bco	o	50	33	30	–	–	–	–	4.3
Tynemouth	om	cm	cm	cm	51	41	34	–	–	–	–	.
Blacksod Point ...							.					.
Donaghadee	cp	bc	bc	o	53	40	.	–	–	–	–	.
Birr Castle ...	co	coir	co	cr	50	40	33	0.1	0.5	0900	05.30	.
Holyhead	orop	o	ooc	oo	?	45	41	Trace	–	<0800	–	2.6
Liverpool (Bidston) ...	odcp	c	o	o	50	40	36	0.3	–	1100	–	2.0
Chester (Shotwick) ...	ocrcpcq	opr.qm	orqpc	cc	53	38	32	1	Trace	<0800	<2100	.
Spurn Head	co	oo	o	o	48	42	.	Trace	–	<0800	–	1.5
Nottingham	rom	c	oc	cm	54	38	33	0.2	–	<0800	–	1.4
Cranwell	odmom	mm	comm	ocm	52	38	31	0.3	–	<0800	–	1.4
Gorleston	odom	oirm	od	om	50	41	39	2	Trace	<0800	22.00	0.0
Valencia (Cahirciveen)	pq		op	op								
Roches Point							.					.
Pembroke (St. Ann's H.)	oqc	c	o	orro	52	42		–	4	–	22.00	3.2
Ross-on-Wye	doocvbco	cocbc	bxco?	o	55	43	40	–	–	–	–	2.7
Benson...	oc	bc	bcc	co	54	38	31	–	Trace	–	–	.
Andover	bccbq	bcqcoc	cbo	oo r.m	56	39	33	–	Trace	–	06.30	0.5
S. Farnborough ...	coco	o bc	bcco	o	55	38	38	–	–	–	–	3.2
London (Kew Obsy.)...	bco	c3o	owow	owowm	54	42	38	Trace	–	–	–	1.7
Croydon	acmdd	obc3	bcbmo	o	53	42	38	Trace	–	1230	–	1.3
Clacton-on-Sea ...	o	oqc	cbc	bcm	51	42	39	4	–	<0800	–	0.0
Shoeburyness... ...	orrc	cbc	bcm	om	53	42	39	0.2	–	<0800	–	0.2
Grain	amom	ombc	bcbo	oom	53	42	35	Trace	–	<0800	–	0.0
Lympne	orarom	acbcrm	bcmc	o	52	41	37	0.2	–	<0800	–	0.5
Scilly (St. Mary's) ...	bcq	p	op	omr	54	48	.	0.3	6	1630	0230	6.0
Falmouth (Pendennis)	acbcq	bcpo	obr		53	47	.	0.2	4	1530	<2100	4.7
Plymouth (Cattewater)	orm	ot	ocobr	orrm	53	47	41	1	2	<0800	<2100	1.3
Portland Bill	cpbc	bcb	bcb	or	55	45	.	0.1	0.5	<0800	05.30	.
Southampton (Calshot)	bbcq	c	bccbbc	ocr.o	54	44	42	Trace	0.1		06.30	6.4
Dungeness	c	c	bbc	o	55	44	.	Trace	–	<0800	–	.
Jersey	oqpo	ocb	p	bqprr	57	49	.	2	7	0900	22.00	2.8

ISALLOBARS. 8th November 1922



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Yesterday.
2	7th 10h	Hibernia	WNW	6	oc	50	54	8
1	7th 13h	Ibex	NW	7	o	54	55	8
3	8th 3h	Dieppe	NW	1	o	51	52	7

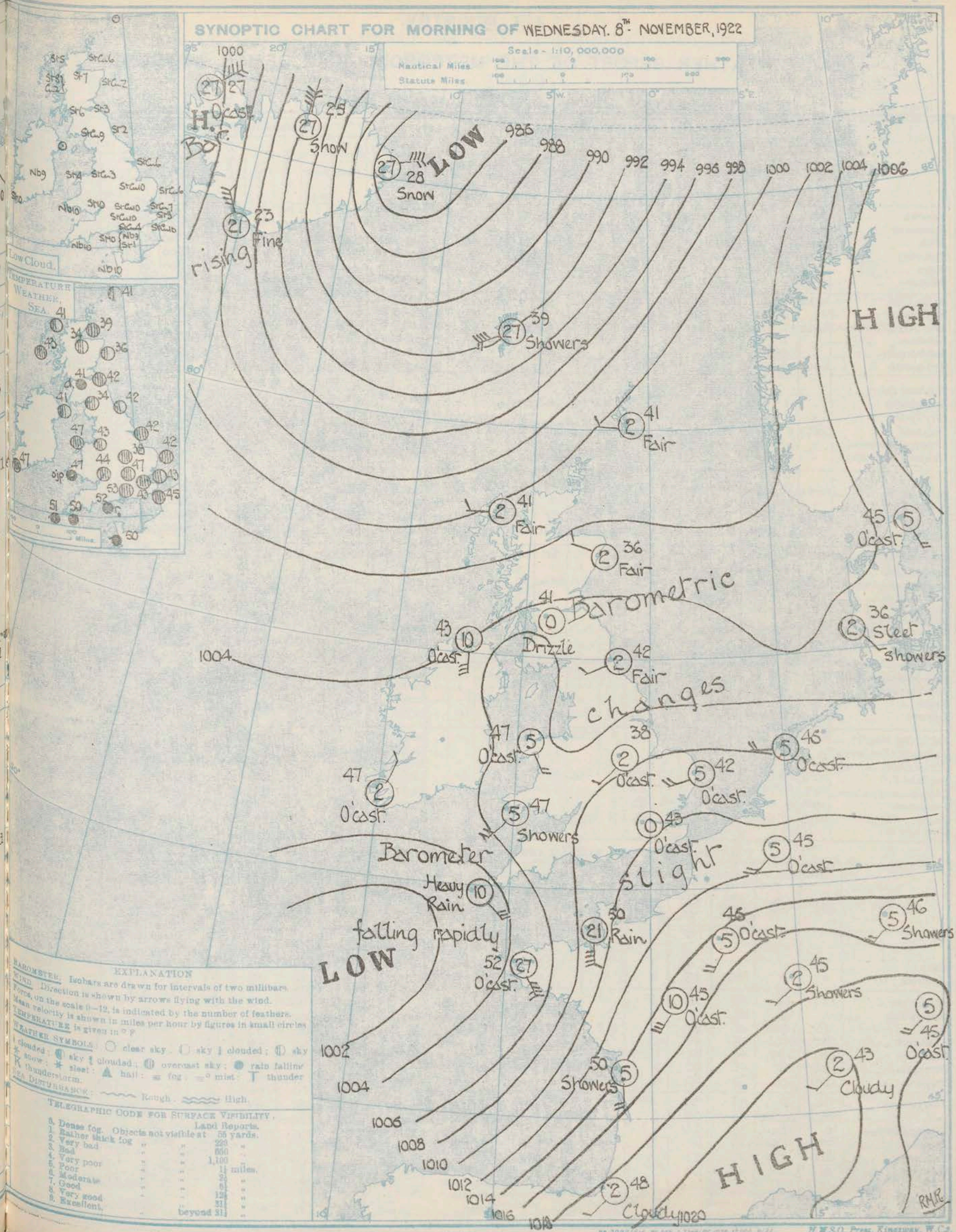
GENERAL INFERENCE.

The general situation is favourable for the maintenance of unsettled weather. The large depression in the north remains centred near Iceland and a new depression from the Atlantic is now centred off Scilly and will probably move northeastwards. Dull rainy conditions will be general over England while in Scotland and Ireland further rain or showers are probable in places with occasional brighter periods.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Wednesday, 8th November, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind temporarily between S and E, freshening; much cloud, some rain; visibility poor to moderate; moderate temperature.	
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Wind SE to E, backing, mainly light or moderate; much cloud and rain at first, improving later; visibility poor at first, improving; moderate temperature then rather colder.	Generally unsettled. South Cone Hoisted at 09-00 to-day in Districts 1 and 5.
8. N.W. England 9. N. Midlands 10. N.E. England	Wind indefinite or easterly, mainly light; much cloud, some rain; visibility poor to moderate; moderate temperature.	
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 indefinite or westerly, light or moderate; variable cloud, rain or showers in places; visibility moderate or good; moderate to rather low temperature.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0950. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... Wednesday, 8th November ... 1922. No. 312.

Observations at 0100 G.M.T. ... 8th ...

Stations	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	998.5	+5	W	4	bc pr	44	85	7	4000	CuNb	6	-	6	.
Stornoway	1001.8	+3	W	2	c-	.	.	6	.	.	.	.	.	.
Wick	1000.8	+2	SW	2	o+	39	92	8	-	-	0	ASt	9	.
Castlebay	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nairn	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Aberdeen	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Malin Head	1003.6	0	SW	2	cr	45	97	7	5700	Nb	7	ACu	8	.
Renfrew	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Edinburgh (Inchkeith)	1004.0	+2	WSW	2	bc	43	92	7	-	St	6	-	6	.
Leuchars	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eskdalemuir	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Tynemouth	1004.8	+4	NSW	2	o	44	85	6	-	-	0	ASt	10	.
Blacksod Point ...														.
Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Holyhead	1007.7	0	SW'W	3	bc-	47	75	8	2500	StCu	4	ASt	6	.
Liverpool (Bidston) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chester (Shotwick) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spurn Head	1008.6	+3	WSW	4	o⊕	45	85	6	-	-	0	ASt	10	.
Nottingham	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cranwell	1008.6	+4	W'S	3	0	44	92	7	4000	St	5	ASt	10	.
Gorleston	1008.2	+2	WNW	2	0	45	92	6	5700	StCu	10	-	10	.
Valencia (Cahirciveen)	1007.5	-6	NW'N	2	o/r	46	92	6	-	St	10	-	10	.
Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pembroke (St. Ann's H.)	1008.5	-1	W	4	0	50	75	8	2500	StCu	10	-	10	.
Ross-on-Wye	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Benson...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Andover	.	.	.	.	.	.	.	.	.	.	.	.	.	.
S. Farnborough ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
London (Kew Obsy.) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Croydon	1010.9	+1	WSW	3	o+	45	85	7	-	-	0	ACu	10	.
Clacton-on-Sea ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Shoeburyness	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Grain	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lympne	1010.4	+2	WNW	3	o	43	85	7	5700	StCu	10	-	10	.
Scilly (St. Mary's) ...	1010.9	-2	SW	3	o pr	50	85	8	2500	CuNb	5	ASt	10	.
Falmouth (Pendennis)														.
Plymouth (Cattewater)	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Portland Bill	1011.8	+3	W	5	o+	50	75	7	4500	St	10	-	10	.
Southampton (Calshot)	1011.5	+1	WSW	3	c+	47	92	7	-	-	0	ACu	7	.
Dungeness	1010.4	+6	WNW	2	bc	48	85	8	-	-	0	ACu	5	.
Jersey (7h)	1013.5	+1	WSW	3	o pr	50	85	8	5700	Nb	3	ASt	10	.
Guernsey (1h)														

Observations at 0700 G.M.T. ... 8th ...

Stations	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1001.4	+2	W	1	bc	41	85	7	-	-	0	ACu	4	0
Stornoway	1000.4	0	W	1	bc	41	85	6	800	St	5	-	5	1
Wick	1001.6	+1	SW	3	0	39	94	8	5700	StCu	6	Ci	9	1
Castlebay	1001.6	0	SSW	3	0	43	85	7	1500	St	10	-	10	3
Nairn	1001.9	.	-	0	c+	34	85	8	1500	St	7	-	7	.
Aberdeen	1003.3	+1	WNW	1	bc	36	92	6	4000	StCu	2	ACu	4	0
Malin Head	1002.9	0	S	3	o/r	43	94	7	-	-	0	ASt	9	5
Renfrew	1004.3	0	-	0	od+	41	94	9	2500	St	6	ACu	10	.
Edinburgh (Inchkeith)	1004.1	0	WSW	2	o+δ	42	92	7	-	St	3	ACu	9	1
Leuchars	1003.4	0	-	0	0	36	94	7	5700	StCu	6	ACu	9	.
Eskdalemuir	1005.9	0	-	0	0	34	94	6	2500	StCu	9	-	9	.
Tynemouth	1005.3	0	WSW	1	bc-	42	94	5	4000	St	2	ACu	6	0
Blacksod Point ...														0
Donaghadee	1006.2	-1	W	1	c+	41	92	8	-	-	0	ACu	7	.
Birr Castle	1004.9	.	W	1	o r₀	42	94	7	4000	Nb	9	-	9	.
Holyhead	1006.1	0	SE'S	2	0	47	85	8	2500	St	4	ASt	10	0
Liverpool (Bidston) ...	1005.7	-1	SSW	2	c	43	85	6	2500	StCu	3	ASt	8	3
Chester (Shotwick) ...	1006.8	-1	SE	2	c	38	94	5	4000	StCu	4	ASt	8	.
Spurn Head	1006.7	0	WSW	2	0	42	92	5	4000	StCu	6	CiCu	9	3
Nottingham	1007.6	.	SW	1	o+	38	94	6	2500	StCu	10	-	10	.
Cranwell	1008.2	-1	SW'W	3	c	40	94	6	4000	St	2	CiSt	8	.
Gorleston	1009.1	0	W'S	2	0	42	92	6	4000	StCu	6	CiSt	10	0
Valencia (Cahirciveen)	1005.5	+1	NNE	1	o/r	47	92	8	-	St	10	-	10	.
Roches Point														4
Pembroke (St. Ann's H.)	1006.1	-1	SW	2	o jb	47	94	8	1500	Nb	10	-	10	.
Ross-on-Wye	1007.7	-2	-	0	δ	44	92	7	2500	St	10	-	10	.
Benson...	1008.4	-1	-	0	0	47	94	8	-	StCu	10	-	10	.
Andover	1008.2	-2	-	0	o r₀	40	94	6	2500	Nb	5	ASt	10	.
S. Farnborough ...	1009.1	-3	-	0	0	43	92	6	2500	StCu	4	ASt	10	.
London (Kew Obsy.) ...	1009.4	-2	-	0	0	43	94	6	2500	StCu	10	-	10	.
Croydon	1009.4	-2	SSW	3	0	42	94	6	4000	StCu	6	ASt	10	.
Clacton-on-Sea ...	1008.9	-1	W	1	c	43	92	4	7200	StCu	7	-	7	0
Shoeburyness	1009.1	-1	SW	1	mmo	43	85	5	5700	Cu	7	Ci	9	.
Grain	1009.7	-1	SSW	2	0	43	94	6	9000	St	3	ASt	10	0
Lympne	1009.8	0	SW	1	0	42	92	7	5700	StCu	10	-	10	.
Scilly (St. Mary's) ...	1002.3	-7	SE	3	o RR	51	94	6	800	St	10	-	10	3
Falmouth (Pendennis)	1003.8	-8	SSE	5	o rr	50	94	6	1500	Nb	10	-	10	0
Plymouth (Cattewater)	1006.1	-4	E	1	o rt	47	94	6	450	Nb	10	-	10	1
Portland Bill	1008.6	-3	W'S	5	o r₀	52	75	6	450	St	10	-	10	4
Southampton (Calshot)	1009.1	-2	E	1	o rr	45	94	6	800	Nb	10	-	10	0
Dungeness	1009.8	-2	WNW	2	o+	45	94	7	5700	StCu	10	-	10	2
Jersey (7h)	1008.5	-2	S	5	o rr	50	92	6	1500	Nb	10	-	10	4
Guernsey (1h)														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR ... Tuesday, 7th Nov.

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 6th-7th °F.	Temperature. Max. Day. 7th °F.	Rainfall.† Night 17h.-9h. 6th-7th mm.	Rainfall.† Day 9h.-17h. 7th mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 7th hr.
Banff								
Montrose	*	*	45	55	5	-		2.2
Llandudno	ccb	co	43	52	1	-		1.3
Colwyn Bay ...	c	c	46	51	3	-		0.0
Rhyl...	o bc	bcp	46	51	4	0.3		1.6
Southport	cbcco	orcb	46	49	18	1		2.0
Blackpool	bcc	opc	48	52	15	1		2.2
Harrogate	bc	bc	43	52	6	-		4.0
Skegness	rac	co	39	52	4	-		0.9
Aberystwyth ...	rac	o	47	51	1	1		0.0
Bath	bccb	cbcbo	42	55	3	-		4.3
Leamington Spa ...	o	bc	39	54	1	-		3.4
Lowestoft	ofoco	orpo	39	50	2	-		0.1
Felixstowe	omr	cm	40	52	3	-		0.7
Southend	o	oc	40	53	1	-		0.5

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 6th-7th °F.	Temperature. Max. Day. 7th °F.	Rainfall.† Night 17h.-9h. 6th-7th mm.	Rainfall.† Day 9h.-17h. 7th mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 7th hr.
Paignton	poc	cc	44	54	14	-		1.4
Ilfracombe	op	op	45	52	4	-		0.0
Bude	qo	qoc	43	54	7	1		1.4
Penzance	bcc	bcc	46	55	1	-		3.3
Falmouth Observatory	bc	bcc	44	55	1			3.8
Torquay	p	bc	53	56	13	0.1		2.3
Weymouth	cbc	bc	44	56	1	-		3.0
Bournemouth ...	bc	bc	43	55	-	-		2.7
Portsmouth (S'thsea)	b	cbb	48	57	-	-		6.1
Worthing	bc	cb	44	56	-	-		4.7
Brighton	obb	coc	44	56	-	-		3.0
Eastbourne	bc	coc	44	55	1	-		3.2
Hastings	acbco	oco	43	55	1	-		1.4
Folkestone	c	c	40	53	2	-		0.2
Tunbridge Wells ...	bcc	o	39	53	1	-		1.1
Ramsgate	o	o	38	51	2	-		0.0
Margate	o	o	40	51	2	-		0.0
Deal	or	do	40	52	1	trace		0.0

* 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. 22264 Thursday, 9th November 1922.

Observations at 1300 G.M.T. 8th

Stations.	Barom. at M.S.L. m.b	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	State of ground.
Lerwick	1001·7	0	SW	3	c-	45	75	7	-	-	0	ASt	7	*
Stornoway	1001·1	+1	W	3	o/r	45	92	6	800	St	9	-	9	*
Wick	1001·3	0	SSW	2	c	47	85	8	-	-	0	ASt	7	*
Castlebay	1003·5	+2	W	3	b	48	75	8	1500	Cu	3	-	3	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1003·4	+0	WNW	1	c	46	75	6	4000	StCu	1	ASt	8	1
Malin Head	1004·5	+1	WSW	4	c/r	47	92	7	5700	Nb	6	ACu	8	*
Renfrew	1004·5	0	WSW	1	o+	47	85	6	2500	StCu	9	-	9	2
Edinburgh (Inchkeith)	1004·4	-1	SW	3	bc	46	85	7	-	-	0	CiCu	5	*
Leuchars	1003·5	0	WSW	3	bc	48	85	6	4000	StCu	3	ACu	4	0
Eskdalemuir	1005·9	0	WSW	3	o	44	85	6	2500	StCu	10	-	10	1
Tynemouth	1005·7	0	W	1	mb-	47	85	5	-	-	0	ACu	3	*
Blacksod Point	1007·0	+4	W	3	c	50	85	9	-	Cu	7	-	7	*
Donaghadee	1006·4	0	WNW	2	c	50	85	8	7200	StCu	8	-	8	*
Birr Castle	1007·5	*	SW	1	o/r	48	92	8	4000	Nb	9	-	9	*
Holyhead	1006·6	+0	WSW	2	o	51	75	8	2500	Cu	3	ACu	9	1
Liverpool (Bidston)	1006·5	+1	S	1	c	49	75	6	2500	CuNb	5	CiCu	8	*
Chester (Shotwick)	1006·6	-0	SE	2	o	49	85	6	2500	StCu	10	-	10	1
Spurn Head	1006·8	?	SW	2	bc	44	85	5	-	-	0	Ci	6	*
Nottingham	1006·7	*	SW	1	bc-	50	85	5	1500	St	3	ACu	6	*
Cranwell	1007·6	-1	WSW	2	c+	51	85	6	4000	StCu	5	ACu	7	0
Gorleston	1008·8	0	W	1	bc-	52	65	7	-	-	0	CiCu	5	*
Valencia (Cahirciveen)	1010·0	+4	W	1	bcjp	49	97	9	-	St	6	-	6	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1007·0	+2	SSE	2	o/r	48	97	8	1500	StCu	10	-	10	*
Ross-on-Wye	1007·2	-1	Calm	0	ojp	49	85	8	4000	CuNb	9	ACu	10	1
Benson	1007·3	-1	Calm	0	o	49	85	7	-	Cu	2	ASt	8	1
Andover	1007·4	-0	ENE	5	ororo	47	97	6	1500	Nb	7	ASt	10	2
S. Farnborough	1007·4	-1	Calm	0	ororo	48	97	4	800	Nb	10	-	10	2
London (Kew Obsy.)	1007·6	-2	SSW	1	odo	49	85	5	2500	Nb	5	ASt	10	1
Croydon	1008·5	-1	Calm	0	ororo	47	97	6	1500	Nb	10	-	10	2
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1008·1	-2	S'E	1	mmo	48	85	6	4000	StCu	7	ASt	10	*
Grain	1008·2	-1	Calm	0	oro	49	92	4	2500	St	5	ASt	10	1
Lympne	1007·4	-2	SSW	2	orr	46	97	2	<150	Nb	10	-	10	2
Scilly (St. Mary's)	1006·0	+3	ENE	3	o/r	52	92	8	2500	CuNb	5	ASt	10	*
Falmouth (Pendennis)	1006·0	+4	NE	3	o/r	50	92	7	4000	CuNb	10	-	10	*
Plymouth (Cattewater)	1005·4	0	NNE	2	c/r	52	85	8	2500	StCu	5	ASt	8	2
Portland Bill	1006·1	-3	SSE	4	or-	52	75	6	450	St	10	-	10	*
Southampton (Calshot)	1006·2	-2	NE'E	3	ororo	48	92	5	4000	Nb	4	ASt	10	2
Dungeness	1007·8	-3	SW	2	orR	48	97	7	2500	St	10	-	10	*
Jersey 7h / Guernsey 1h	1001·1	-5	SE	5	o/r	49	97	6	1500	Nb	10	-	10	*

Observations at 1800 G.M.T. 8th

Stations.	Barom. at M.S.L. m.b	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	State of ground. 0-9
Lerwick	1002·2	+2	WNW	4	ororo	41	97	6	2500	Nb	10	-	10	3
Stornoway	1005·8	+5	NW	3	bc-	40	75	6	4000	Cu	6	-	6	2
Wick	1003·8	+3	WNW	2	bc/r	40	97	8	5700	Cu	4	-	4	1
Castlebay	1008·0	+6	NNW	2	b/r	45	65	6	1500	Cu	3	-	3	2
Nairn	1004·5	*	-	0	c/r	42	85	8	4000	CuNb	8	-	8	*
Aberdeen	1005·1	+2	WNW	2	oro	43	92	6	4000	Nb	10	-	10	0
Malin Head	1007·6	+4	W	4	bcPR	45	92	7	-	CuNb	3	ACu	5	4
Renfrew	1007·0	+3	-	0	b/r	39	97	6	2500	StCu	3	-	3	*
Edinburgh (Inchkeith)	1005·7	+2	WSW	3	bcpro	43	92	8	-	StCu	6	-	6	2
Leuchars	1004·7	+1	-	0	o	41	97	8	4000	StCu	9	-	9	*
Eskdalemuir	1007·3	+2	WSW	3	odo	43	85	6	1500	Nb	10	-	10	*
Tynemouth	1007·0	+2	NW	1	b	44	92	6	-	-	0	ACu	3	1
Blacksod Point														
Donaghadee	1008·9	+3	SW	1	c	45	85	7	-	-	0	CiCu	7	0
Birr Castle	1011·3	*	W	1	bc-	45	92	7	1500	Cu	5	-	5	*
Holyhead	1009·7	+3	NW	4	oro	49	92	7	1500	CuNb	9	-	9	2
Liverpool (Bidston)	1009·3	+3	SW'W	3	o/r	46	97	6	1500	St	10	-	10	3
Chester (Shotwick)	1009·2	+4	W	1	mo	46	92	4	4000	StCu	10	-	10	*
Spurn Head	1008·2	+2	SSW	1	o	45	92	6	4000	StCu	10	-	10	2
Nottingham	1008·8	*	W	2	o	45	92	5	-	-	0	ASt	10	*
Cranwell	1009·3	+3	SW'W	2	c+	42	97	6	2500	StCu	7	ACu	8	*
Gorleston	1009·3	0	W'S	1	mmb	45	92	5	-	-	0	ACu	3	0
Valencia (Cahirciveen)	1014·3	+5	NW'N	3	bc	50	92	9	-	St	5	-	5	*
Roches Point														
Pembroke (St. Ann's H.)	1011·6	+1	WNW	3	bc-	48	92	8	2500	StCu	6	-	6	3
Ross-on-Wye	1010·2	+5	WSW	1	o	47	92	6	2500	StCu	10	-	10	*
Benson	1010·0	+3	-	0	b	36	97	8	-	-	0	-	0	*
Andover	1010·1	+6	-	0	b-	42	97	6	4000	StCu	2	-	2	*
S. Farnborough	1009·9	+5	-	0	ffb	40	97	2	-	-	0	-	0	*
London (Kew Obsy.)	1009·6	+5	NW	1	b	48	85	5	-	-	0	-	0	*
Croydon	1010·0	+4	-	0	ododo	45	97	5	1500	St	10	-	10	*
Clacton-on-Sea	1007·5	+1	-	0	mmc	45	97	4	7200	StCu	7	-	7	0
Shoeburyness	1008·9	+1	-	0	mmo	45	92	6	-	-	0	ASt	9	*
Grain	1009·6	+3	-	0	o	45	97	6	4000	StCu	10	-	10	0
Lympne	1008·8	+2	-	0	ododo	45	97	5	450	Nb	9	ASt	10	*
Scilly (St. Mary's)	1011·8	+8	NNW	3	o	50	92	8	4000	StCu	10	-	10	4
Falmouth (Pendennis)	1012·1	+6	N	3	bc+	49	92	7	4000	Cu	6	-	6	0
Plymouth (Cattewater)	1011·5	+11	NW	1	b-	48	92	8	2500	StCu	2	-	2	1
Portland Bill	1009·5	+4	NNE	3	o/r	50	85	7	450	St	10	-	10	3
Southampton (Calshot)	1010·1	+7	NNW	2	b-	44	97	6	2500	StCu	2	-	2	0
Dungeness	1009·4	+3	NW	1	o	47	92	8	-	-	0	ASt	10	3
Jersey 7h / Guernsey 1h	1007·4	+5	N	4	o	49	92	8	1500	StCu	10	-	10	6

London Observations

	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. 9th								Yesterday.	To-day.	
Kew } 24 hours ended 0700	omwd	omdcz	ofwmb	*	*	29	fr	-	0.0	*	*
Croydon } 24 hours ended 0700	oro.m	oomd	omdm	*	*	29	0.4	fr	0.0	*	*
Greenwich (Royal Obsy.)	oidsidh	ocfid	wzx	50	40	28	fr	-	0.0	85	91
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*	50	39	30	*	*	0.0	83	92
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	0.0	*	*
Camden Square	o	o	*	49	36	35	-	-	*	*	97
Kensington Palace	o	o	*	49	39	29	-	-	*	86(8h)	95
Hampstead Observatory	*	*	*	47	38	34	fr	-	0.0	*	93

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1000 G.M.T. 8th

South Kensington Max.	Time.	Min.	Time.
0.6	2300 7th	<0.3	0500 8th
1.0	1000 8th		

Kew Observatory Max.	Time.	Min.	Time.
0.6	1700 7th	<0.3	0100 8th
1.0	0900 8th		0300 8th

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.	Record. %
Polaris	12·30	4·57	37
δ Ursae Minoris	12·30	2·53	23

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 (only in 1300 & 1800 reports (Hoar frost in 0900 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 frost, rain or melted snow).

Radio Disturbances (Atmospherics) at Croydon.

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	6	-	8 O
18h.	C	5	-	9 O
01h.	C	5	-	11 O
07h.	C	5	-	11 S

Table showing the Greenwich times of sunrise, noon, and sunset for stations in the United Kingdom.

9th to 10th November, 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.15	11.34	4.10
	7.6	11.34	4.08
Greenwich	7.9	11.44	4.19
	7.11	11.44	4.17
Wick	7.49	11.56	4.3
	7.51	11.56	4.1
Valencia	7.51	12.25	4.59
	7.53	12.25	4.57

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.
jp 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.
rorro = continuous light rain.

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

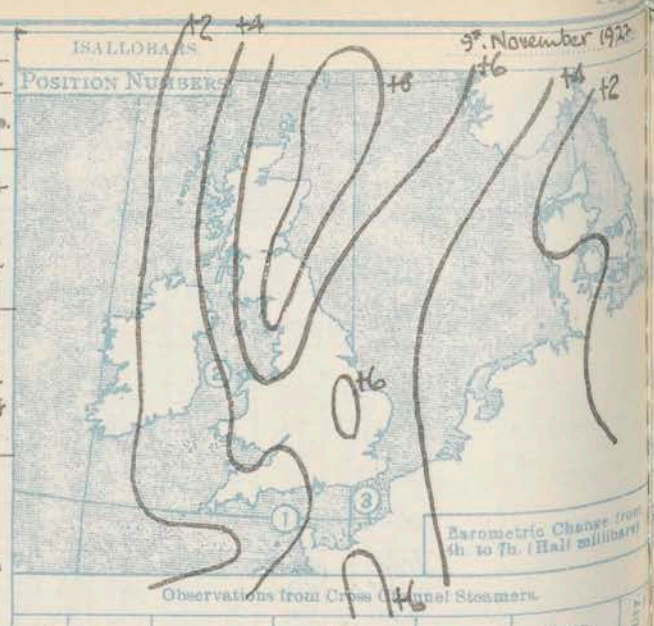
Sea Disturbance.

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. 8th.	13h.–18h. 8th.	18h. 8th. to 1h. 9th.	1h.–7h. 9th.	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	bc	ogr	bc	bc	46	34	•	2	-	16.30	-	•
Stornoway	p	p	S or S	b	45	30	•	3	-	-	-	0.4
Wick	c	cpr	bbc	bbc	47	31	•	0.3	0.4	12.30	<2100	•
Castlebay	opbc	bcpbc	bcopb	bc	49	38	•	3	trace	-	-	4.0
Nairn	cprg	cg	oprcg	bcxb	46	30	•	1	1	13.30	<2100	1.4
Aberdeen	bccm	contr	crb	bbx	46	35	30	0.1	trace	17.30	<2100	1.5
Malin Head	coir	mrpr	PRbc	bcvx	48	35	•	2	1	11.00	<2100	2.3
Renfrew	com	orrm	cm	cbcmbc	50	27	16	2	trace	14.30	-	0.7
Edinburgh (Inchkeith)	cbc	bccp	cm	pb	47	38	31	1	0.1	16.30	0630	0.4
Leuchars	F-m	p	cbbc	bbc	48	30	19	1	-	17.30	-	2.4
Eskdalemuir	op	obid	gambc	cbc	45	33	31	0.2	0.5	15.30	<2100	0.7
Tynemouth	bcff	bom	bcpm	cm	49	39	35	-	trace	-	<2100	•
Blacksod Point ...	b-bc											•
Donaghadee	c	c	bc	bc	51	35	•	-	-	-	-	•
Birr Castle ...	rco	coir	bcx	cox	50	33	25	0.1	-	<0800	-	•
Holyhead	oom	orop	opcbc	px	51	45	40	0.3	trace	17.30	<2400	0.3
Liverpool (Bidston) ...	c	od	opb	opb	50	43	33	trace	2	15.30	0330	1.5
Chester (Shotwick) ...	com	orobom	om	oprmoch	50	40	32	1	0.1	15.30	0130	•
Spurn Head	?	c	fmr	c	49	41	•	-	0.2	-	-	3.5
Nottingham	cm	oo	obm	fom	51	35	30	-	0.1	-	<2100	1.6
Cranwell	ombcc	cbc	ocbcm	bco	52	37	33	-	-	-	-	3.2
Gorleston	ocbc	cm	cm	cbme	53	40	36	-	-	-	-	2.2
Valencia (Cahirciveen)	p	pc	bc									•
Roches Point												•
Pembroke (St. Ann's H.)	ojpg	coq	bbc	bbc	52	43	•	3	3	0900	-	0.8
Ross-on-Wye	ojdco	cbbco	ocvbr	bvbcmc	52	38	31	0.1	trace	0900	-	1.1
Denson	doo	bcb	co	cbc	49	32	25	-	-	-	-	•
Andover	orofom	orrocbc	bbcc	cbcmw	50	35	30	1	0.1	<0800	-	1.2
S. Farnborough ...	orofrm	rmodbc	bffo	ofbcmo	48	35	27	1	-	<0800	-	0.4
London (Kew Obsy.) ...	omwod	omdczb	ofwomw	bcmsbm	50	40	29	trace	-	<0800	-	0.0
Croydon	orofrm	oromd	omdm	obcm	48	39	29	0.4	trace	0900	<2100	0.0
Clacton-on-Sea ...	ocm	com	cm	cbm	46	39	33	-	-	-	-	0.0
Shoeburyness ...	om	om	omcm	bm	49	39	31	-	0.1	-	-	0.0
Grain	omr	oo	bm	bm	49	37	29	trace	-	11.00	-	0.0
Lympne ...	orrrf	ofrd	odm	ofcbc	47	39	30	3	trace	<0800	-	0.0
Scilly (St. Mary's) ...	omr	oco	c	bccub	53	48	•	3	0.2	<0800	0130	0.9
Falmouth (Pendennis)	omrpo	ocbc	bc	bbc	53	46	•	3	-	<0800	-	2.8
Plymouth (Cattewater)	odmo	cbcb	b	bbcmc	53	39	33	5	-	<0800	-	2.5
Portland Bill	or	oro	ocb	bbc	53	45	•	11	-	<0800	-	•
Southampton (Calshot)	ormorr	rorcbc	bbc	bmbcmc	49	36	31	6	trace	<0800	-	0.2
Dungeness	oRR	porro	pmd	pm	49	37	•	6	0.2	<0800	-	•
Jersey 7h. ...	orro	o	op	opb	50	42	•	17	0.3	<0800	2200	0.0
Guernsey 1h.												



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	8th 1000	Hibernia	W	3	bc	49	53	8
3	9th 0300	Arundel	NW	2	bc	51	52	7

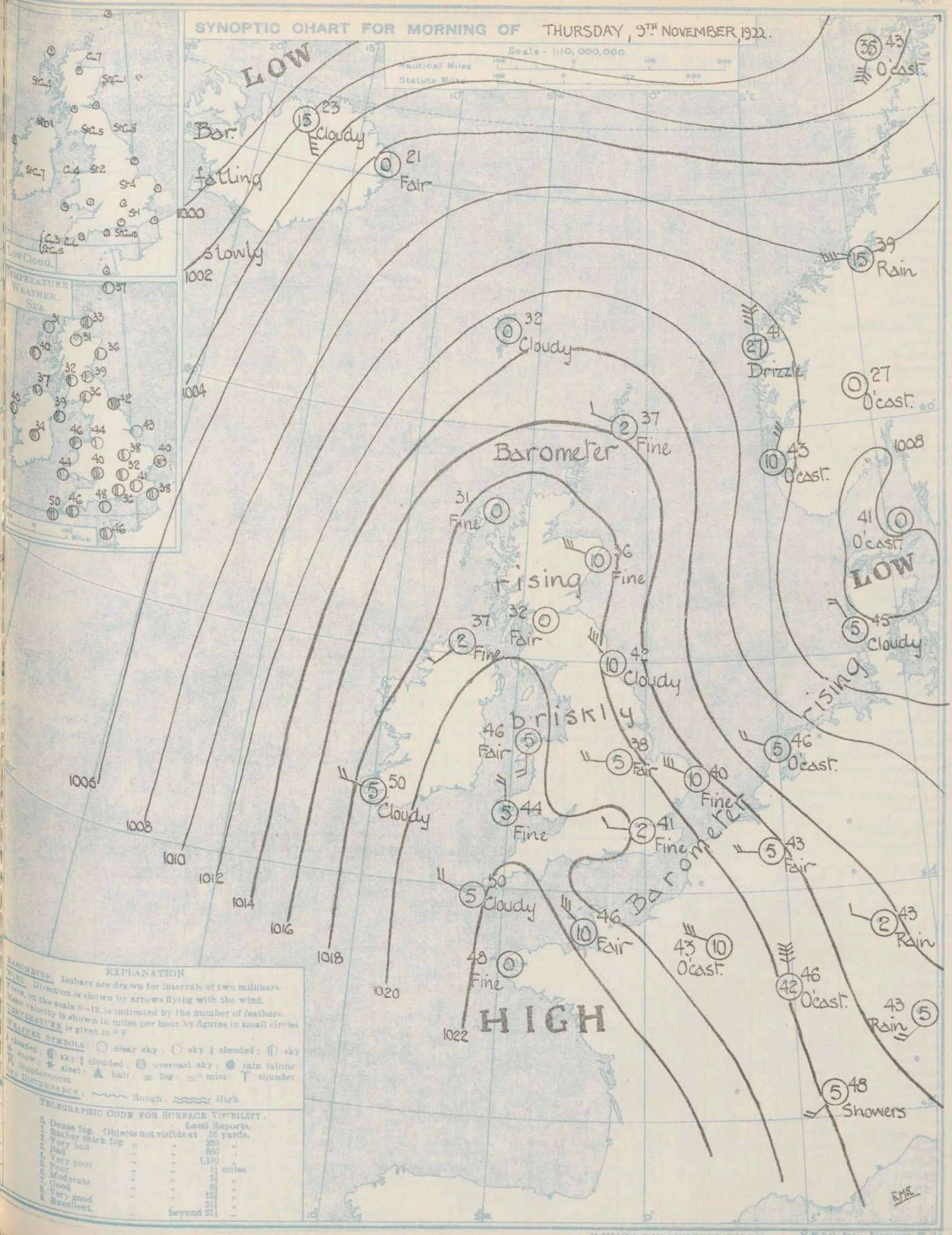
GENERAL INFERENCE.

A ridge of high pressure will be associated with fair weather over Great Britain today, but these conditions are likely to be temporary and to give place again soon to unsettled conditions caused by an extensive depression now covering the North-eastern Atlantic.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Thursday, 9th November, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Light NW to W winds, backing; fair at first, deteriorating later; some mist and slight frost in places at night, then milder.	With-held.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind freshening from a southerly point; fair to cloudy at first, rain later; visibility moderate; milder.	
9. N. Midlands 10. N.E. England 11. E. Scotland	As 1 to 3.	
12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides	As 4 to 8.	
16. Orkneys and Shetlands	Light northwest winds, backing; fair at first, rain later; visibility moderate or good; cold at first then milder.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind freshening from a southerly point; cloudy to dull, some rain; visibility moderate; milder.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0940 G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION Thursday, 9th November 1922. No. 313

Observations at 0100 G.M.T. 9th

Stations	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1009.5	+6	NW	3	bc	38	75	7	4000	Cu	3	Ci	4	*
Stornoway	1014.0	+8	NW	1	bc	*	*	7	*	*	*	*	*	*
Wick	1011.5	+8	NNW	3	bc	37	92	9	4000	Cu	4	-	4	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1014.9	+4	NNW	4	b-	45	75	8	4000	Cu	2	-	2	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1012.4	+6	WNW	1	o/f	41	85	8	-	St.Cu	4	A.Cu	9	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1011.6	+6	W	1	b/r	41	97	6	-	-	0	-	0	*
Blacksod Point														
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1014.6	+3	NW	5	bc+	48	85	8	2500	Cu	6	-	6	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sl.otwick)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1011.6	+2	W's	4	ffo	41	97	2	1500	St	8	A.Cu	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1013.4	+4	W	3	b-	43	92	5	-	-	0	A.St	2	*
Gorleston	1012.1	+2	W'N	2	mo-	43	92	5	2500	St	9	-	9	*
Valencia (Cahirciveen)	1019.4	0	-	0	bc	48	92	9	-	St	5	-	5	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St.Ann's H.)	1019.1	+3	NW	3	b	49	75	8	4000	Cu	3	-	3	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	44	*	*	*	*	*	*	*	*
Croydon	1014.5	+3	WSW	2	o/r	44	92	6	1500	St.Cu	10	-	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Gyain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1013.7	+3	NW	2	ffo	40	97	1	-	-	0	A.Cu	10	*
Scilly (St. Mary's)	1018.6	+3	WNW	3	bc	50	92	8	4000	Cu Nb	5	-	5	*
Falmouth (Pendennis)														*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1015.3	+2	NW	3	b	48	85	7	-	-	0	-	0	*
Southampton (Calshot)	1015.2	+4	WNW	2	b	42	97	6	-	-	0	A.Cu	3	*
Dungeness	1013.5	+3	NNW	3	mbc-	42	97	5	-	-	0	A.Cu	5	*
Jersey ·7h} Guernsey 1h}	1016.0	+5	NW	3	c+	49	92	7	5700	St.Cu	2	A.Cu	8	*

Observations at 0700 G.M.T. 9th

Stations	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1015.7	+8	WNW	1	b	37	75	7	[illegible]	-	0	A.St	3	0
Stornoway	1018.3	+4	-	0	b-	31	92	7	-	-	0	-	0	0
Wick	1017.6	+7	WNW	3	c+	33	97	8	4000	Cu	7	-	7	0
Castlebay	1018.5	+2	E	2	bc	40	75	8	2500	St.Cu	4	A.St	6	1
Nairn	1019.4	*	-	0	b-	31	85	8	-	-	0	-	0	*
Aberdeen	1019.0	+7	NW'W	3	b	36	85	8	4000	St.Cu	1	-	1	0
Malin Head	1018.5	+3	SW	1	b	37	97	8	5700	Nb	1	A.Cu	3	2
Renfrew	1019.8	+8	-	0	bc+	32	97	7	-	-	0	A.St	4	*
Edinburgh (Inchkeith)	1018.6	+7	NNW	2	b-	39	75	8	-	-	0	A.Cu	1	1
Leuchars	1018.8	+8	NNW	2	b-	30	85	8	-	-	0	-	0	*
Eskdalemuir	1019.6	+8	N	2	bc	36	85	6	2500	St.Cu	5	-	5	*
Tynemouth	1017.2	+5	NW	3	c	42	85	7	4000	St.Cu	8	-	8	1
Blacksod Point	1010.1	+5	W	1	mb-	40	91	+	-	-	0	A	1	0
Donaghadee	1020.3	+4	W	1	bc	39	85	8	4000	Cu	2	A.Cu	4	0
Birr Castle	1020.5	*	-	0	c+	34	97	6	2500	St.Cu	7	-	7	*
Holyhead	1020.2	+8	S	2	bc+	46	85	8	4000	Cu	4	-	4	0
Liverpool (Bidston)	1019.3	+5	WNW	1	b/r	44	85	8	2500	St	2	-	2	2
Chester (Sl.otwick)	1018.8	+5	NW	3	bc-	42	92	8	2500	St	4	-	4	*
Spurn Head	1016.8	+5	WNW	5	b	43	85	5	-	-	0	-	0	4
Nottingham	1018.7	*	W	2	bcf	38	97	2	800	St	4	-	4	*
Cranwell	1018.7	+6	W'N	3	c	39	97	5	1500	St	8	-	8	*
Gorleston	1016.6	+2	WNW	3	mmb	40	97	4	-	-	0	-	0	0
Valencia (Cahirciveen)														
Roches Point														
Pembroke (St.Ann's H.)	1020.9	+3	N	2	b	44	85	8	-	-	0	A.St	3	3
Ross-on-Wye	1019.5	+5	-	0	c-	40	92	9	-	-	0	A.St	7	*
Benson	1020.0	+5	-	0	bc-	32	97	6	-	-	0	Ci	5	*
Andover	1019.9	+5	W	3	bc+	37	97	5	4000	St.Cu	4		4	*
S. Farnborough	1020.0	+5	W	1	bc+	36	97	6	-	-	0	A.Cu	4	*
London (Kew Obsy.)	1019.9	+6	W	1	b-	41	92	4	2500	St	1	Ci	3	*
Croydon	1019.6	+5	-	0	bc	39	97	6	5700	St.Cu	2	Ci	3	
Clacton-on-Sea	1017.1	+5	W	1	mb-	40	97	4	-	-	0	A.St	1	0
Shoeburyness	1017.9	+5	NW	2	mmb	42	85	6	-	-	0	Ci.Cu	1	*
Gyain	1019.4	+8	W	3	b	40	97	5	-	-	0	Ci	3	0
Lympne	1018.6	+6	NW	2	b/f	39	97	4	-	-	0	Ci	3	*
Scilly (St. Mary's)	1020.8	+3	W'N	2	c-	50	92	9	4000	St.Cu	8	-	8	3
Falmouth (Pendennis)	1022.6	+4	-	0	bc+	46	97	7	4000	Cu	6	-	6	0
Plymouth (Cattewater)	1021.2	+3	ENE	1	mmbc	40	97	4	-	-	0	Ci.Cu	6	1
Portland Bill	1019.8	+3	NW	3	b+	48	85	7	-	-	0	Ci.Cu	3	3
Southampton (Calshot)	1020.1	+5	WSW	2	mmo	38	97	5	4000	St.Cu	10	-	10	0
Dungeness	1018.7	+5	N	2	mbc-	38	97	6	-	-	0	Ci.Cu	5	2
Jersey ·7h} Guernsey 1h}	1021.0	+2	NW	3	bc/r	46	85	8	-	-	0	A.Cu	4	3

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

Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 7th-8th °F.	Temperature. Max. Day. 8th °F.	Rainfall.† Night 17h.-9h. 7th-8th mm.	Rainfall.† Day 9h.-17h. 8th mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 8th hr.
Banff								
Montrose	*	*	35	48	-	-		1·7
Llandudno	o	bdc	36	50	0·1	-		0·1
Colwyn Bay	cbc	c	42	50	1	-		0·2
Rhyl	bcp	pc	40	50	-	0·2		0·7
Southport	bcco	oroc	41	51	0·3	1		1·9
Blackpool	cbc	op	42	51	+	2		1·9
Harrogate	b	bbco	37	50	-	-		2·5
Skegness	obc	co	38	49	-	-		3·7
Aberystwyth	ocb	o	45	52	1	-		2·8
Bath	or	ocm	42	49	1	1		0·5
Leamington Spa	ocb	cbom	39	51	-	-		2·3
Lowestoft	oc	cbco	41	51	0·1	-		2·5
Felixstowe	om	bm	41	47	-	-		0·0
Southend	o	of	41	48	-	-		0·0

Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 7th-8th °F.	Temperature. Max. Day. 8th °F.	Rainfall.† Night 17h.-9h. 7th-8th mm.	Rainfall.† Day 9h.-17h. 8th mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 8th hr.
Paignton	orm	cpom	46	52	7	2		0·0
Ilfracombe	occb	cco	46	52	2	-		3·6
Bude	rdco	bcbbc	45	55	5	0·2		3·5
Penzance	omd	cbc	48	52	7	1		2·6
Falmouth Observatory	omp	obc	46	54	7	1		2·7
Torquay	roro	cobc	46	51	9	2		2·0
Weymouth	r	co	43	50	6	5		0·2
Bournemouth	p	p	44	49	1	1		0·7
Portsmouth (S'thsea)	orrf	idom	45	49	3	3		0·5
Worthing	ro	coro	41	49	2	3		0·0
Brighton	od	od	44	49	0·2	4		0·0
Eastbourne	r	ro	44	49	0·2	7		0·0
Hastings	fRr	odoo	41	48	1	4		0·0
Folkestone	fod	po	42	52	-	2		0·0
Tunbridge Wells	oro	oom	40	48	-	2		0·0
Ramsgate	o	orc	31?	39?	-	1		0·0
Margate	o	odo	43	50	-	0·3		0·0
Deal	omd	odm	43	49	-	1		

* 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.22268 FRIDAY 10TH NOVEMBER 1922.

Observations at 1300 G.M.T. 9TH

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1019·0	+2	WSW	1	bcjp	44	75	7	4000	StCu	5	–	5	*
Stornoway	1017·6	0	S	4	0+	43	65	6	800	St	10	–	10	*
Wick	1019·9	+2	SSW	2	c	45	75	8	4000	Cu	1	Ci	7	*
Castlebay	1016·9	-2	ESE	5	0	46	75	8	1500	St	10	–	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1021·8	+2	–	0	bcg	43	75	7	–	–	0	CiSt	4	1
Malin Head	1017·2	-3	SE	4	0+	43	92	8	4000	Cu	1	ASt	9	*
Renfrew	1021·6	0	–	0	0	34	85	2	2500	StCu	10	–	10	6
Edinburgh (Inchkeith)	1021·7	+3	WSW	1	bim	42	85	6	–	–	0	CiCu	3	*
Leuchars	1021·7	+2		0	0+	44	65	7	–	–	0	CiSt	9	5
Eskdalemuir	1021·9	+2	E'S	2	0+	41	75	8		–	0	ACu	9	1
Tynemouth	1018·1	+2	N	1	bc	45	85	6	4000	CuNb	2	Ci	4	*
Blacksod Point														*
Donaghadee	1020·8	-1	ESE	1	c+	47	65	8	4000	Cu	1	CiSt	8	*
Birr Castle	1019·2	*	SE	1	c+	45	92	8	4000	St	8		8	*
Holyhead	1021·2	0	SSE	3	0+	49	75	8	4000	Cu	1	ASt	10	1
Liverpool (Bidston)	1021·9	+1	–	0	c+	46	75	8	4000	St	3	CiCu	7	*
Chester (Shotwick)	1021·9	+1	–	0	0+	49	65	6	–	–	0	ACu	10	1
Spurn Head	1021·5	+5	WNW	3	bcjp	47	85	6	4000	StCu	6	–	6	*
Nottingham	1022·0	*	SW	1	b	46	85	6	2500	Cu	1	Ci	3	*
Cranwell	1022·8	+3	NNW	2	b+	49	85	6	4000	Cu	2	CiSt	3	0
Gorleston	1021·2	+3	NNW	3	bcff	52	65	7	5700	CuNb	6	–	6	*
Valencia (Cahirciveen)	1005·9	-4	SE	4	cjp	50	85	9	–	St	7	–	7	*
Roches Point														*
Pembroke (St. Ann's H.)	1021·7	-1	SSE	3	bc	51	75	8	4000	Cu	4	Ci	6	*
Ross-on-Wye	1022·4	+2	E	1	0⊗	50	65	9	4000	StCu	1	CiSt	9	0
Benson	1023·4	+2	–	0	c+	50	75	7	–	Cu	7	–	7	1
Andover	1022·5	+1	–	0	c+	53	75	8	2500	Cu	5	Ci	8	1
S. Farnborough	1023·0	+4	WNW	2	bc+	52	75	8	4000	Cu	4	Ci	5	0
London (Kew Obsy.)	1023·0	+2	N'W	2	bc	51	65	6	4000	Cu	5	CiSt	6	1
Croydon	1022·6	+2	SW	1	bc+	50	75	6	4000	Cu	3	CiSt	4	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1022·6	+4	NNW	2	bf+	51	65	8	7200	Cu	2	–	2	*
Grain	1022·8	+3	WNW	3	bf	51	75	7	4000	Cu	1	Ci	2	1
Lympne	1022·8	+4	N	3	b	49	75	6	4000	Cu	3	–	3	2
Scilly (St. Mary's)	1021·7	0	S	2	0d₀	52	75	8	4000	StCu	9	–	9	*
Falmouth (Pendennis)	1022·5	-1	SSW	3	bc-	55	85	9	4000	Cu	6	–	6	*
Plymouth (Cattewater)	1022·7	0	S	2	c	53	75	8	7200	StCu	8	–	8	1
Portland Bill	1022·2	+3	W'N	3	b	53	85	7	–	–	0	CiCu	3	*
Southampton (Calshot)	1023·5	+1	–	0	c+	50	85	6	4000	Cu	1	Ci	8	2
Dungeness	1022·6	+4	N	2	c	52	75	6	–	–	0	CiSt	8	*
Jersey 7h / Guernsey 1h	1023·6	0	NW	3	0	55	75	8	4000	StCu	10	–	10	*

Observations at 1800 G.M.T. 9TH

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1019·1	0	S	1	bc	41	85	7	4000	Cu	3	ACu	4	0
Stornoway	1012·6	-5	S	5	0	44	75	6	800	St	10	–	10	4
Wick	1016·5	-5	S	7	bc-	44	75	8	4000	Cu	2	Ci	6	4
Castlebay	1012·0	-5	SE	6	0	47	85	6	800	St	10	–	10	7
Nairn	1016·7	*	–	0	c+	37	85	7	1500	St	8	–	8	*
Aberdeen	1020·5	-2	SSE	3	bc	44	75	6	–	–	0	CiSt	4	0
Malin Head	1012·0	-5	SSE	4	0	44	92	7	2500	St	7	ACu	10	2
Renfrew	1019·0	-3	ESE	2	mm0	39	92	4	4000	St	10	–	10	*
Edinburgh (Inchkeith)	1019·9	-2	ESE	3	c+	42	85	8	–	StCu	3	ASt	8	2
Leuchars	1020·5	-2	–	0	c-	37	92	6	4000	St	7	–	7	*
Eskdalemuir	1020·7	-2	SSE	2	c	39	85	7	2500	StCu	7	ASt	8	*
Tynemouth	1021·7	0	SW	1	b-	44	92	6	–	–	0	ACu	3	1
Blacksod Point														
Donaghadee	1017·5	-4	SSE	3	0+	48	75	7	2500	StCu	10	–	10	2
Birr Castle	1012·9	*	SE	3	0+	48	85	6	4000	StCu	9	–	9	
Holyhead	1018·9	-3	S	4	bc+	47	75	8	5700	St	2	ACu	4	2
Liverpool (Bidston)	1020·8	-1	SE	2	c+	44	75	7	2500	St	4	ACu	8	*
Chester (Shotwick)	1021·0	-2	SE	2	fb-	39	92	3	5700	StCu	2	–	2	
Spurn Head	1022·6	+1	W	2	b	44	92	6	–	–	0	–	0	*
Nottingham	1022·8	*	E	1	b	39	97	5	–	–	0	–	0	*
Cranwell	1023·8	+1	SSE	1	bc-	38	97	6	–	–	0	CiSt	6	
Gorleston	1023·8	+1	WNW	1	mb-	42	92	5	2500	St	2	–	2	0
Valencia (Cahirciveen)	1010·1	-5	SW	5	0rr	51	97	3	–	St	10	–	10	*
Roches Point														
Pembroke (St. Ann's H.)	1019·4	-2	S	4	cjp	50	75	8	4000	CuNb	7	–	7	4
Ross-on-Wye	1022·4	+1	S	1	mb-	43	85	5	–	–	0	ASt	2	*
Benson	1023·3	+1	–	0	b	36	97	7	–	–	0	–	0	*
Andover	1023·7	+1	–	0	b-	41	92	6	–	–	0	ASt	2	*
S. Farnborough	1024·0	+2	–	0	b-	38	97	4	–	–	0	–	0	*
London (Kew Obsy.)	1024·4	+2	–	0	b	42	92	5	–	–	0	–	0	*
Croydon	1024·1	+1	S	2	ffbc	41	92	3	–	–	0	CiSt	4	*
Clacton-on-Sea	1023·8	+3	WNW	1	fbc+	43	92	3	–	–	0	CiSt	5	0
Shoeburyness	1023·9	+2	–	0	mb-	37	85	7	–	–	0	–	0	*
Grain	1024·5	+2	–	0	b	42	97	6	–	–	0	Ci	2	0
Lympne	1024·3	+1	WSW	1	0	45	75	6	2500	StCu	7	ACu	9	*
Scilly (St. Mary's)	1020·3	-2	SSE	3	0	51	92	8	4000	Cu	9	–	9	4
Falmouth (Pendennis)	1021·4	-1	SSW	5	0+	51	92	8	4000	Cu	9	–	9	1
Plymouth (Cattewater)	1021·9	-1	S	3	c	51	85	9	4000	StCu	8	–	8	1
Portland Bill	1022·2	0	NW	3	b	52	85	7	–	–	0	CiCu	3	3
Southampton (Calshot)	1024·1	+2	SSW	2	b-	45	97	6	4000	StCu	1	–	1	0
Dungeness	1024·1	+3	N	1	b	46	92	6	–	–	0	–	0	2
Jersey 7h / Guernsey 1h	1023·2	0	NW	2	c	48	92	8	4000	StCu	7	–	7	3

LONDON OBSERVATIONS

London Observations	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. 10TH								Yesterday.		To-day.
Kew (24 hours ended 0700)	bmmbc	bczbm	bfwbmw	*	*	27	–	Tr	5·6	*	*
Croydon (24 hours ended 0700)	cbm	bczm	bf(w)r₀	*	*	34	–	Tr	4·8	*	*
Greenwich (Royal Obsy.)	bczm	0zf	bcmd	49	35	27	–	0·3	0·1	85	84
City (Bunhill Row)	*	*	*	*	*	*	*	*	1·5	*	*
Westminster (St. James' Pk.)	*	*	*	54	41	35	–	–	1·9	70	79
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	3·9	*	*
Camden Square	b	0	*	54	43	36	Tr	Tr	*	*	83
Kensington Palace	bc	0	*	51	40	30	[illegible]	0·3	*	87 (15h)	83
Hampstead Observatory	*	*	*	53	41	32	–	0·3	5·8	*	88

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 9TH

Station	Max.	Time.	Min.	Time.
South Kensington	1·3 / 1·0	2100 8th / 0900 9th	0·3	0100 9th
Kew Observatory	1·3 / 1·2	2000 8th / 0900 9th	0·4	0500 9th

POLE STAR RECORD at Greenwich Obsy.

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

Stars.	Exposure. h. m.	Record. h. m.	%
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 2ins. deep.
5 = Dew (or wet grass but not wet ground)
6 = Skating today in 1300 & 1800 reports (Hoar frost in 0900 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep; impeding traffic, usually a continuous layer).
9 = Glazed roads (as on roads from frozen rain or wetted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	[illegible]	7	–	155°
18h.	C	6	–	145°
01h.	C	5	–	160°
07h.	C	6	–	145°

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

10TH & 11TH NOVEMBER, 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·6 / 7·8	11·37 / 11·37	4·8 / 4·6
Greenwich	7·11 / 7·12	11·44 / 11·44	4·17 / 4·16
Wick	7·51 / 7·53	11·56 / 11·56	4·1 / 3·59
Valencia	7·53 / 7·55	12·25 / 12·25	4·57 / 4·55

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.
ip 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.
r₀r₀ = continuous light rain.

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.

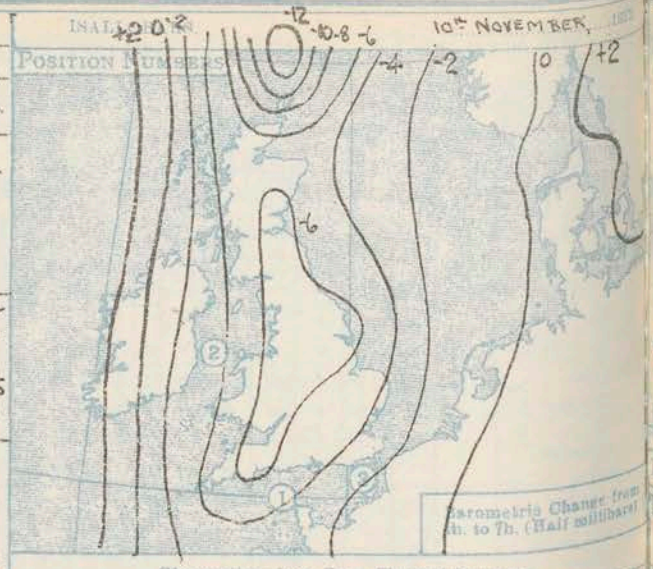
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

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 2.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 9h.	13h.-18h. 9h.	18h. 9h. to 1h. 10h.	1h.-7h. 10h.	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	bc	bc	oq	omqr	44	39	•	trace	1	12.30	0530	•
Stornoway	c	oo	r or d	rr	45	43	•	–	7	–	<2100	0.2
Wick	c	c	oo	Rrhq	46	41	•	–	2	–	2400	•
Castlebay	co	o					•	–		–		
Nairn	c	cq	cqq	cq	38	37	•	–	–	–	–	3.7
Aberdeen	bxbc	combc	bcbm	oq r	44	44	39	–	0.3	–	0430	4.8
Malin Head	bc cov	o	oir	oir	44	43	•	–	6	–	2200	0.4
Renfrew	bc oxf	off	omrr	omrrq	40	38	35	0.2	3	–	2400	0.0
Edinburgh (Inchkeith)	m	z.z	oo	rr	?	41	36	–	4	–	0330	3.6
Leuchars	borbc	oo	r or d	r or d	45	37	26	–	2	–	–	4.5
Eskdalemuir	bc o	oc	cbcm	odm	42	36	34	–	2	–	0330	3.0
Tynemouth	bcm	bcm	bcm	orrmq	46	42	36	–	1	–	0430	•
Blacksod Point ...							•					•
Donaghadee	bc	o	oqd	omqd	49	47	•	–	3	–	2200	•
P'rr Castle ...	cobc	co	co	oir	48	47	45	–	5	–	<2100	•
Holyhead	dcco	ocbc	oogr	oir q	49	49	44	–	3	–	<2100	2.6
Liverpool (Bidston) ...	borbc	c	oo	oo	48	41	33	–	–	–	–	4.8
Chester (Shotwick) ...	bcbco	obfbm	bfcqpr m	oqo	49	38	33	–	trace	–	0130	•
Spurn Head	borbc	cp	bbc	c	47	40	•	trace	–	1530	–	3.9
Nottingham	m	m	bco	oo	47	36	29	–	trace	–	0630	1.0
Cranwell	bcmcm	bbcm	bccom	mm	50	32	30	–	–	–	–	7.3
Gorleston	bbcm	bbcbf	bife	bmoq	52	39	28	–	–	–	–	5.3
Valencia (Cahirciveen)	o	or	orq	or				–		–		
Roches Point												•
Pembroke (St. Ann's H.)	borbc	c	oqpr	oqrpo	53	50	•	–	2	–	0130	3.7
Ross-on-Wye	bcbcc	cbcbw	rmwco	oqod	51	41	32	–	0.3	–	0530	6.3
Benson...	bcb	b	bbc	or	51	35	26	–	trace	–	0630	•
Andover	bcmc	cbcm	bbccom	omo	53	27	27	–	–	–	–	5.9
S. Farnborough ...	cbfbbc	bcbm	bm	bmbcco	53	35	?	–	trace	–	–	6.0
London (Kew Obsy.) ...	bmwbcz	bc3bm	bfwbmw	bmwmq	51	35	27	–	trace	–	0630	5.6
Croydon	cbmz	bcc3m	bcfmw	bcmr	51	38	34	–	trace	–	0630	4.8
Clacton-on-Sea ...	bcm	bcm	bcm	bcmc	50	41	30	–	–	–	–	7.0
Shoeburyness	bmb	borbc	bm	bbmx	52	34	25	–	–	–	–	7.1
Grain	bmb	bbcb	bbc	bbcco	51	37	29	–	–	–	–	6.4
Lympne	bm	o o	omcbc	oo	50	39	27	Trace	trace	–	–	6.8
Scilly (St. Mary's) ..	c	cp o	oqr	omqr	55	49	•	0.1	1	1230	0130	3.5
Falmouth (Pendennis)	bc cbc	bc.co	omdr	omdr	55	50	•	–	3	–	2400	3.7
Plymouth (Cattewater)	bcmcwc	c	corm	orrm	54	51	49	–	5	–	2200	4.1
Portland Bill	c	c	bco	oo	55	45	•	–	–	–	–	•
Southampton (Calshot)	c	form	c	oo	53	42	36	–	0.1	–	–	6.9
Dungeness	borbc	bcq	c	c	51	43	•	–	–	–	–	•
Jersey 7h. .. / Guernsey 1h.	b co	o c	cb p.b	bo p.om	57	45	•	–	0.3	–	<2100	4.3



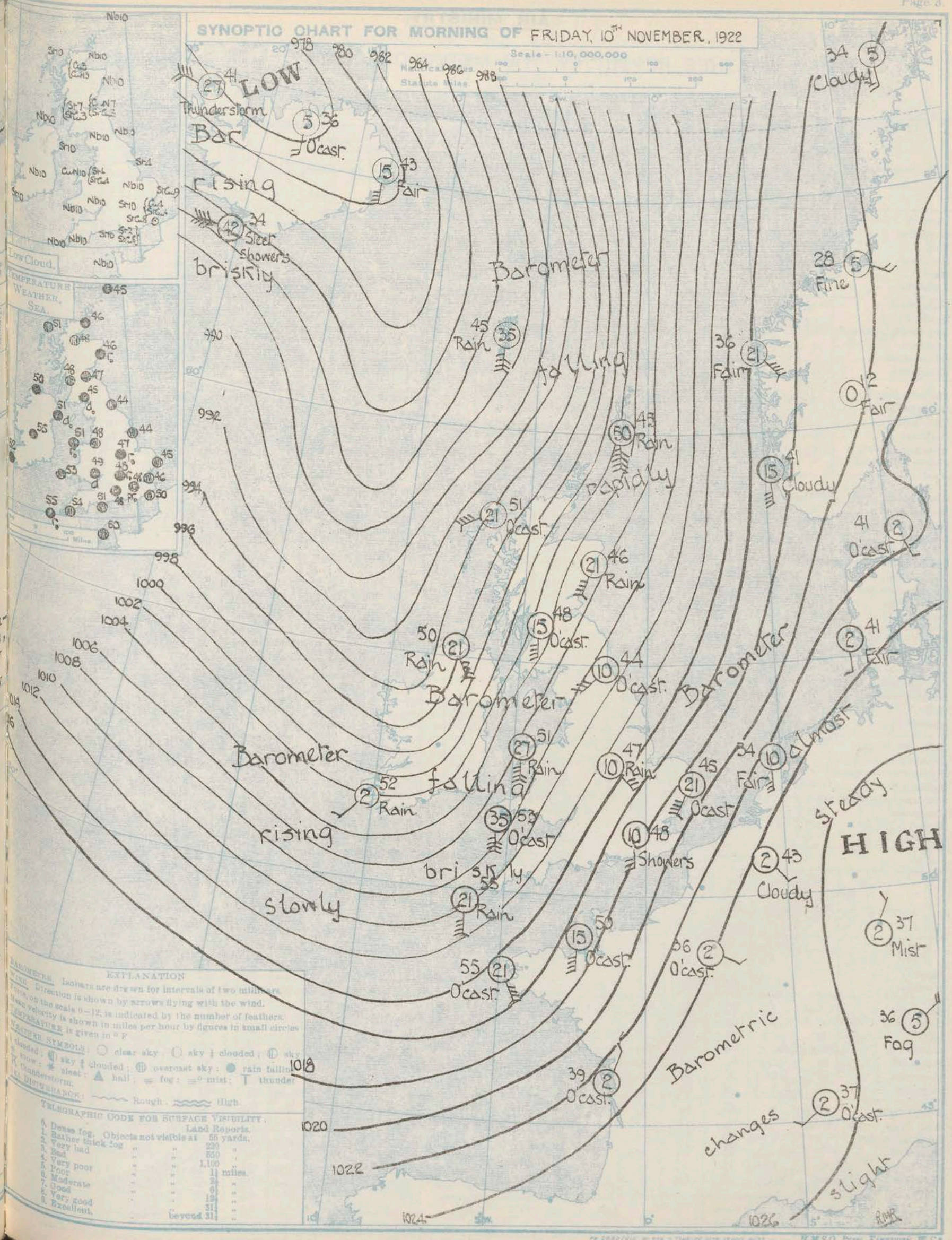
Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	9th 1010	Hibernia	?	?	bv	46	53	8
3	10th 0300	Dieppe	SW	3	o+	48	55	7

GENERAL INFERENCE.

A very deep depression lies to the north of Iceland with an accentuated trough extending southwards along our western coasts to the Bay. As this system moves eastwards, the present strong southerly winds and dull, mild, weather will be replaced, after further rain, by somewhat colder westerly to north-westerly winds and fairer periods, but the improvement is not likely to reach the eastern districts of England until tonight or tomorrow.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 10th November, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Fresh or strong southerly wind, veering later; dull, occasional rain or drizzle today, improving tomorrow; visibility moderate or good; mild today, temperature falling somewhat tomorrow.	No indications yet of generally settled weather, but considerable fair periods in the South and Southeast probable -------- South Cone hoisted at 1634 yesterday in Districts 5, 14, 15, 17 & 20. South Cone hoisted in Districts 6,7,8, 12,13,16,18 & 19 at 0234 to-day, and in Districts 1,2, 10 & 11 at 0815 to-day.
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 soon becoming westerly to northwesterly, strong at times; some rain early, then fair periods; visibility moderate to good; temperature falling.	
14. N.& N.W. Scotland 15. Hebrides	Wind northwesterly, strong at times; variable cloud, some showers; visibility good, colder.	
16. Orkneys and Shetlands	As 4 - 13.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 14 & 15.	



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... FRIDAY, 10TH NOVEMBER 1922. No. 314

Observations at 0100 G.M.T. 10TH

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Heights of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1013.8	-5	S	6	0+	44	75	7	5700	St.Cu	5	A.St	10	*
Stornoway	1002.4	-13	SSW	7	?	*	*	7	*	*	*	*	*	*
Wick	1008.0	-10	S	10	0	46	92	7	2500	Nb	4	A.St	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1000.8	-7	SSE	7	0/r	49	92	7	5700	Nb	7	A.St	10	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1012.5	-6	SSE	2	0+	43	85	7	-	-	0	A.St	10	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1017.5	-5	SW	3	c+	43	92	7	-	-	0	A.St	8	*
Blacksod Point														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1011.9	-5	S	6	0	50	97	7	1500	Nb	10	-	10	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1021.1	-1	SE'S	4	bc	41	97	7	-	-	0	C.St	5	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1021.6	-2	SSE	3	0+	34	97	6	4000	St.Cu	6	A.Cu	10	*
Gorleston	1023.4	0	SSW	2	Lmb	39	97	5	-	-	0	-	0	*
Valencia (Cahirciveen)	1002.3	-3	SSW	4	0RR	54	97	6	-	Nb	10	-	10	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1008.5	-4	S	7	0r	51	85	7	1500	Nb	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	41	*	*	*	*	*	*	*	*
Croydon	1022.6	-2	S	2	bc+	42	97	6	-	-	0	C.St	5	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1022.4	-2	S	3	0	45	92	7	-	-	0	A.Cu	9	*
Scilly (St. Mary's)	1013.7	-5	S	5	0r	53	97	7	4000	CuNb	10	-	10	*
Falmouth (Pendennis)														*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1019.8	-2	S	5	0+	51	85	7	-	-	0	A.St	10	*
Southampton (Calshot)	1020.7	-5	SE'S	4	0+	49	92	8	4000	St.Cu	7	A.Cu	9	*
Dungeness	1024.3	-2	SW	3	bc+	47	97	7	4000	Cu	5	-	5	*
Jersey (7h)	1020.9	-3	SSE	4	0+	51	92	8	-	-	0	A.St	10	*
Guernsey (1h)														

Observations at 0700 G.M.T. 10TH

Stations	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1003.7	-12	S	9	0rr	45	85	6	2500	Nb	10	-	10	8
Stornoway	995.6	+1	SSW	5	0/r	51	92	6	450	St	10	-	10	4
Wick	999.5	-5	S	9	0RR	46	97	6	2500	Nb	10	-	10	8
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	1000.7	*	SW	4	c	48	75	8	4000	Cu	7	-	7	3
Aberdeen	1006.8	-4	S'W	5	0r	46	97	6	1500	Nb	10	-	10	*
Malin Head	997.4	-2	SSE	4	0rr	50	97	6	5700	Nb	10	-	10	3
Renfrew	1003.2	-5	S	4	0/r	47	92	6	2500	St	10	-	10	*
Edinburgh (Inchkeith)	1005.1	-6	ESE	1	0/r	47	85	7	-	CuNb	10	-	10	*
Leuchars	1005.4	-6	ESE	3	0/r	45	97	6	1500	Nb	9	A.St	10	*
Eskdalemuir	1006.9	-6	SSE	4	odd	43	97	4	800	Nb	10	-	10	*
Tynemouth	1009.9	-5	SW	3	0/r	44	97	6	4000	Nb	10	-	10	
Blacksod Point	1003.5	-3	S	3	od	51	92	7	800	St	10	-	10	2
Donaghadee	997.4	*	SE	2	0r	55	92	6	450	Nb	10	-	10	*
Birr Castle	1004.9	-5	S	6	0r	51	97	5	<150	CuNb	10	-	10	6
Holyhead	1008.1	-5	SE	5	0	48	85	8	1500	St	10	-	10	5
Liverpool (Bidston)	1008.7	-7	SE	4	0	48	92	7	800	St	9	A.St	10	*
Chester (Shotwick)														
Spurn Head	1014.2	-7	SE	5	0	44	92	6	1500	St	4	A.St	10	4
Nottingham	1013.6	*	SSE	3	0r+	47	75	7	1500	Nb	10	-	10	*
Cranwell	1015.2	-7	SSE	4	0mw	41	97	5	450	St	10	-	10	*
Gorleston	1020.2	-2	SSW	5	0+	45	97	6	5700	St.Cu	9	-	9	1
Valencia (Cahirciveen)	1002.3	+3	SW	1	0rr	52	97	7	-	St	10	-	10	
Roches Point	1006.4	-4	S	7	0/r	53	97	7	1500	Nb	10	-	10	6
Pembroke (St. Ann's H.)	1011.9	-6	S'E	4	odd	49	92	6	1500	Nb	10	-	10	*
Ross-on-Wye	1015.2	-4	S	6	0r	48	85	7	-	St	10	-	10	*
Benson	1015.8	-4	SSE	4	0+	48	85	8	4000	St.Cu	10	-	10	*
Andover	1017.2	-4	S'W	4	0+	49	85	7	-	-	0	A.St	10	*
S. Farnborough	1017.7	-3	S	3	0/r	48	85	6	1500	St.Cu	8	A.St	10	
London (Kew Obsy.)	1018.0	-4	S	3	0r	48	85	6	450	St	10	-	10	
Croydon	1019.3	-4	SSE	4	c+	46	92	6	2500	Cu	8	-	8	2
Clacton-on-Sea	1019.1	-3	SSE	4	mb-	45	85	6	-	-	0	A.St	3	*
Shoeburyness	1019.0	-3	SSE	4	0+	46	97	7	-	-	0	A.St	10	0
Grain	1019.5	-3	S'E	4	c	47	92	7	1500	St	8	-	8	*
Lympne	1008.1	-6	S	5	0rr	55	97	6	2500	Nb	10	-	10	6
Scilly (St. Mary's)	1009.9	-6	SSW	7	mo-	54	97	5	1500	Nb	10	-	10	2
Falmouth (Pendennis)	1011.5	-5	S	7	0r	53	97	5	225	Nb	10	-	10	5
Plymouth (Cattewater)	1015.0	-5	S	5	0	51	85	6	450	St	10	-	10	4
Portland Bill	1016.6	-4	S'E	6	0	49	85	7	2500	St.Cu	10	-	10	0
Southampton (Calshot)	1021.2	-3	SSW	5	c+	50	85	8	-	-	0	A.Cu	7	5
Dungeness	1017.5	-2	S	4	0/r	50	85	7	1500	Nb	10	-	10	3
Jersey (7h)														
Guernsey (1h)														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 9TH NOVEMBER

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 8-9	Temperature. Max. Day. 9	Rainfall.† Night 17h.-8h. 8-9	Rainfall.† Day 8h.-17h. 9	Sunshine.	Sunshine. Sunrise to Sunset. 9
			°F.	°F.	mm.	mm.	hr.	hr.
Banff								
Montrose			34	45	-	-		4.2
Llandudno	c.cbc	c	37	50	0.3	-		2.0
Colwyn Bay	c	c	40	49	-	-		3.1
Rhyl	bc	bc.c	43	50	-	-		3.1
Southport	b.bc	bc.c	41	48	0.2	-		5.3
Blackpool	bc	c	41	49	-	-		4.7
Harrogate	b	b.bc.c	36	46	-	-		4.5
Skegness	b	b.bc.b	38	50	-	-		4.3
Aberystwyth	c.cb	b	42	51	2	-		4.3
Bath	b.bc	b.bc.c	36	52	-	-		4.6
Leamington Spa	c.bm	c.b.bm	33	48	-	-		4.5
Lowestoft	b	b.c.b	38	50	-	-		5.0
Felixstowe	b	bm	36	50	0.2	-		7.4
Southend	b	b.bc	39	53	0.1	-		6.2
Paignton	bcm	bc	38	54	-	-		4.7
Ilfracombe	bc	bc.co	45	55	0.2	-		5.6
Bude	bc.c	bc.bc	38	55	0.4	-		3.6
Penzance	bc	c.o	44	56	0.5	-		2.4
Falmouth Observatory	bc	c.o	43	55	-	-		2.3
Torquay	b	b	41	55	-	-		5.4
Weymouth	b	b.bc.c	41	56	-	-		8.2
Bournemouth	b	b	42	55	3	-		6.2
Portsmouth (S'thsea)	b	b	39	53	-	-		6.9
Worthing	b	bc.b	41	51	1	-		6.3
Brighton	c	b	43	52	-	-		5.8
Eastbourne	bc	bc	44	54	0.2	-		5.9
Hastings	bc.b	b.bcb	39	53	0.4	-		6.3
Folkestone	bc	bc	41	52	-	-		7.3
Tunbridge Wells	b	b.bcm	39	53	Trace	-		6.3
Ramsgate	b	bm	39	51	0.2	-		7.1
Margate	b	b	43	50	-	-		7.0
Deal	mb	b.bm	41	48	Trace	-		7.3

* 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.22269 SATURDAY, 11TH NOVEMBER 1922.

Observations at 1300 G.M.T. 10th

Stations	Barom. at M.S.L. (m.b.)	Change in 3 Hours‡	Wind Direc.	Wind Force (0–12)	Weather	Temp. °F.	Humidity %	Visibility§ 0–9	Height of Low Cloud Feet	Low Cloud Form.	Low Cloud Amt. 0–10	Upper Form.	Total Amt. 0–10	State of ground
Lerwick	1000·2	-1	SSW	8	orr	48	92	5	2500	Nb	10	–	10	•
Stornoway	1000·5	+5	N	3	opr₀	48	92	6	800	St	10	–	10	•
Wick	999·1	0	S	6	or–	47	97	5	800	St	10	·	10	•
Castlebay	•													•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1002·3	-5	S	3	orr	47	97	4	1500	Nb	10	–	10	2
Malin Head	1000·7	+5	NW	4	or–	51	97	6	5700	Nb	9	ACu	10	•
Renfrew	997·9	-5	SE	4	or₀r₀	51	85	5	1500	Nb	10	–	10	2
Edinburgh (Inchkeith)	1000·2	-7	SSW	2	or₀r₀	50	92	7	–	Nb	4	ASt	10	•
Leuchars	1000·4	-5	–	0	orr	47	97	6	450	Nb	10	–	10	2
Eskdalemuir	1000·5	-6	S'E	4	orr	48	97	5	450	Nb	10	–	10	2
Tynemouth	1003·3	-6	SW	4	o	48	92	5	2500	St	10	–	10	•
Blacksod Point														*
Donaghadee	999·9	+3	NNW	3	o/r	50	92	7	1500	St	4	ASt	10	•
Birr Castle		•												*
Holyhead	1001·8	-1	S	6	o/r	53	92	8	2500	Cu	10	–	10	2
Liverpool (Bidston)	1003·1	-5	SSE	4	od₀	53	92	5	800	Nb	10	–	10	•
Chester (Shotwick)	1003·8	-5	SE	4	or₀	53	92	6	450	Nb	10	–	10	2
Spurn Head	1008·9	-6	SE	5	o|p	47	92	6	4000	Nb	10	–	10	•
Nottingham	1008·2	•	S	4	od₀+	50	97	6	1500	Nb	10	–	10	•
Cranwell	1009·9	-5	S'E	5	od₀	48	97	6	800	St	10	–	10	1
Gorleston	1015·5	-3	SSW	6	orr	48	85	6	2500	Nb	10	–	10	•
Valencia (Cahirciveen)	1008·4	+6	SW	3	bc/f	53	97	7	–	Cu	2	CiCu	5	*
Roches Point														•
Pembroke (St. Ann's H.)	1006·9	+7	SW	5	c|p	56	92	7	2500	Nb	5	ASt	8	•
Ross-on-Wye	1007·1	-5	S	5	od–	54	92	7	2500	Nb	10	–	10	2
Benson	1010·7	-6	SSE	6	or₀	49	97	6	–	Nb	10	–	10	1
Andover	1011·3	-5	SSE	5	or₀r₀	49	97	6	1500	Nb	10	–	10	2
S. Farnborough	1012·7	-4	S	5	or₀r₀	49	92	6	1500	Nb	10	–	10	1
London (Kew Obsy.)	1013·5	-4	SSW	3	o	50	85	6	4000	StCu	10	–	10	
Croydon	1013·7	-4	SSW	5	o/r	48	85	6	1500	St	7	ASt	10	1
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1014·9	-5	SE	5	or₀	48	75	7	4000	St	7	ASt	9	•
Grain	1015·5	-3	S	5	o	49	85	8	4000	St	9	ASt	10	1
Lympne	1016·3	-5	S	5	or₀	48	75	6	800	St	7	ASt	10	2
Scilly (St. Mary's)	1009·1	+1	WSW	4	opr₀	55	92	7	4000	StCu	10	–	10	•
Falmouth (Pendennis)	1003·9	+4	WSW	5	o/r	55	97	7	2500	CuNb	10	–	10	•
Plymouth (Cattewater)	1009·7	0	WSW	5	o–	54	97	6	450	St	9	–	9	2
Portland Bill	1011·0	-5	S	7	orr	52	85	6	450	St	10	–	10	•
Southampton (Calshot)	1012·6	-5	S	6	orr	50	97	4	800	Nb	10	–	10	1
Dungeness	1016·0	-4	SSW	5	c+	50	85	8	–	–	0	ACu	7	•
Jersey 7h / Guernsey 1h	1013·9	-2	S	4	o|r	52	92	7	1500	Nb	10	–	10	•

Observations at 1800 G.M.T. 10th

Stations	Barom. at M.S.L. (m.b.)	Change in 3 Hours‡	Wind Direc.	Wind Force (0–12)	Weather	Temp. °F.	Humidity %	Visibility§ 0–9	Height of Low Cloud Feet	Low Cloud Form.	Low Cloud Amt. 0–10	Upper Form.	Total Amt. 0–10	Sea 0–9
Lerwick	1003·6	+5	NW	3	ogr₀	46	97	6	2500	Nb	10	–	10	2
Stornoway	1008·6	+10	N	3	or₀	44	75	6	450	Sc	10	–	10	2
Wick	1004·4	+6	NW	4	orr	46	97	6	800	St	10	–	10	6
Castlebay														
Nairn	1006·0	•	NNW	2	orr	46	97	7	2500	Nb	10	–	10	•
Aberdeen	1003·5	+3	WN	2	orr	47	97	6	1500	Nb	10	–	10	3
Malin Head	1009·1	+12	NNW	5	o|r	49	85	6	4000	Nb	4	ASt	10	4
Renfrew	1003·7	+12	WNW	3	orr	48	92	6	1500	Nb	10	–	10	•
Edinburgh (Inchkeith)	1000·1	+2	NNE	1	mo	48	97	6	–	Nb	10	–	10	1
Leuchars	1000·8	+1	N	3	orr	48	97	6	800	Nb	10	–	10	•
Eskdalemuir	999·7	+1	W	3	odd₀	48	97	5	800	Nb	10	–	10	•
Tynemouth	1000·8	-3	SW	4	o°	51	92	6	–	–	0	ASt	10	1
Blacksod Point														
Donaghadee	1007·4	+10	NNW	3	or–	50	85	7	1500	Sc	10	–	10	3
Birr Castle		•												•
Holyhead	1009·0	+8	WNW	5	b–	52	92	8	4000	St	1	ASt	3	6
Liverpool (Bidston)	1007·5	+16	N'W	4	o|r	48	92	8	1500	Nb	10	–	10	5
Chester (Shotwick)	1008·2	+7	W	4	o	51	85	4	7200	StCu	10	–	10	•
Spurn Head	1006·7	-2	SE	6	ogr₀	48	92	6	–		0	ASt	10	5
Nottingham	1008·4	•	SW	3	o	52	97	6	2500	Nb	10	–	10	•
Cranwell	1008·6	0	SSW	4	or₀	50	97	6	800	Nb	10	–	10	5
Gorleston	1014·1	-1	S'W	7	orr	46	97	6	2500	Nb	10	–	10	6
Valencia (Cahirciveen)	1015·9	+7	NW	3	b–	50	92	7	–	Cu	2	ACu	3	*
Roches Point														
Pembroke (St. Ann's H.)	1011·6	+3	W'N	3	c|r	51	85	8	2500	Cu	7	–	7	4
Ross-on-Wye	1010·1	+4	SW	2	or₀	51	85	7	2500	Nb	10	–	10	•
Benson	1011·3	+1	S	1	bc–	51	97	6	–	Cu	5	–	5	•
Andover	1011·6	0	S	3	c|r	51	97	6	1500	StCu	8	–	8	•
S. Farnborough	1011·7	0	S	3	od₀	51	97	7	800	Nb	10	–	10	•
London (Kew Obsy.)	1012·2	0	SSW	3	o|r	51	92	5	4000	StCu	10	–	10	•
Croydon	1012·6	0	SSW	4	orr	49	97	6	800	St	10	–	10	•
Clacton-on-Sea	1013·4	-1	SSE	5	odd₀	47	97	3	1500	St	10	–	10	4
Shoeburyness	1013·1	-2	S'W	5	or₀	47	85	7	2500	Nb	10	–	10	•
Grain	1012·9	-2	S	6	o|r	48	97	6	800	Nb	10	–	10	3
Lympne	1014·6	0	S	4	or₀	46	97	3	<150	Nb	10	–	10	•
Scilly (St. Mary's)	1012·6	+4	NW	3	o+	53	92	7	4000	StCu	10	–	10	4
Falmouth (Pendennis)	1011·9	+4	WNW	2	opr₀	53	97	6	1500	CuNb	10	–	10	1
Plymouth (Cattewater)	1012·0	+5	W	2	bc–	53	97	8	1500	St	6	–	6	4
Portland Bill	1011·0	0	SW	5	o|r	49	85	6	–	–	0	ASt	10	6
Southampton (Calshot)	1012·3	+2	SWS	4	c|r	51	97	7	1500	St	8	–	8	0
Dungeness	1014·4	-3	SSW	6	orr	48	97	7	2500	Nb	10	–	10	6
Jersey 7h / Guernsey 1h	1012·7	0	S	4	o|r	53	97	7	1500	Nb	10	–	10	3

LONDON OBSERVATIONS.

London Observations	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. 11th								Yesterday.		To-day.
Kew	ompom	ormom	oRorpm	•	•	34	2	2	0.0	•	•
Croydon (24 hours ended 0700)	or₀r₀dm	orrm	omr₀m	•	•	35	5	1	0.0	•	•
Greenwich (Royal Obsy.)	o	oirid	oidcb	51	43	34	3	0.3	0.0	95	84
City (Bunhill Row)	•	•	•	•	•	•	•	•	0.0	•	•
Westminster (St. James' Pk.)	•	•	•	53	41	35	3		0.0	84	91
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	0.0	•	•
Camden Square	o	r	•	52	43	34	3	1	•	•	84
Kensington Palace	o	or	•	51	43	34	2	1	•	100 (8h)	88
Hampstead Observatory	•	•	•	54	40	36	4	0.3	–	•	93

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

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

Station	Max.	Time.	Min.	Time.
South Kensington	2·0	18–2100 9th	<0·3	0100–0500 10th
	0·3	08–1600 10th		
Kew Observatory	1·0	2100 9th	<0·3	0400–0500 10th
	0·3	0900 10th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 10th 17 h 30 m. to 11th 06 h 00 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	12.30	4.55	39
δ Ursae Minoris	12·30	2.6.	24

CODE FOR STATE OF GROUND.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2ins. deep.
4 = Bare ground frozen (but more than 2ins. deep.
5 = Dew (or wet grass but not wet ground).
6 = Skating today in 1300 & 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.	C₁C₂	6	–	110°
18h.	C	5	–	160°
01h.	C	6	–	130
07h.	C	6	–	145

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

11th & 12th Nov., 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·8	11·37	4·6
	7·10	11·37	4·4
Greenwich	7·12	11·44	4·16
	7·14	11·44	4·14
Wick	7·53	11·56	3·59
	7·55	11·56	3·57
Valencia	7·55	12·25	4·55
	7·57	12·25	4·53

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.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
u 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.
r₀r₀ = continuous light rain.

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.

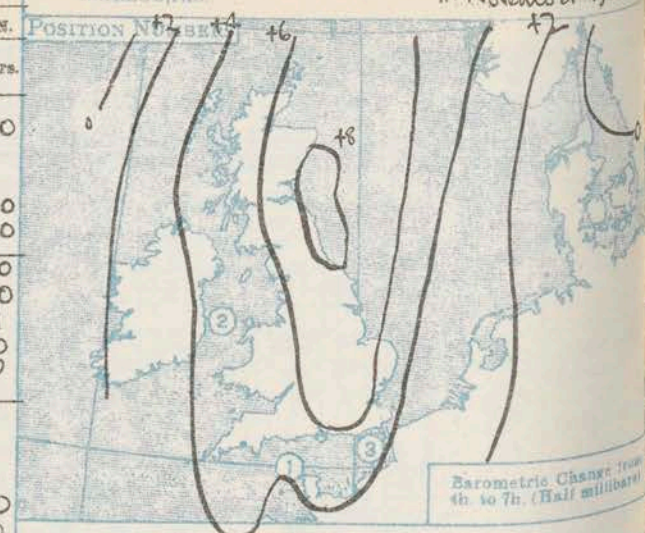
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1–3
2	4–7
3	8–12
4	13–18
5	19–24
6	25–31
7	32–38
8	39–46
9	47–54
10	55–63
11	64–75
12	Above 75

[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. 10h.	13h.-18h. 10h.	18h. 10h. to 1h. 11h.	1h.-7h. 11h.	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	bc	bc	48	37	•	16	0.6	<0800	<2100	•
Stornoway	p	o	c	c	51	39	•	0.4	~	<0800	–	0.0
Wick	ozrr	omrr	cp	op	47	39	•	5	0.2	<0800	<2100	•
Castlebay							•					
Nairn	r	rqm	prcbcc	bccq	48	40	•	7	1	0900	<2100	0.0
Aberdeen	orrm	mRR	oir	ocbc	48	40	36	17	0.6	<0800	<2100	0.0
Malin Head	orrm	oRdd	wcov	p.cov	51	46		8	Trace	1330	<2100	0.0
Renfrew	oqRmrr	omrr	ormc	bcbmx	52	33	22	14	2	<0800	<2100	0.0
Edinburgh (Inchkeith)	orr	ir	p	ob	53	41	35	1	3	<0800	0330	0.1
Leuchars	r·d	rord	p	rord	49	32	22	7	3	<0800	<2100	0.0
Eskdalemuir	orm	orod	orrm	ocbc	50	35	30	18	3	<0800	<2100	0.0
Tynemouth	omq	mq	omrrq	cp.m	51	43	39	–	1	–	2100	•
Blacksod Point ...												
Donaghadee	omr	cqr	bc	bc	54	44	•	7	–	<0800	–	•
Birr Castle ...												
Holyhead	orom	ocbcq	c	bcco	59	47	45	15	–	<0800	–	0.0
Liverpool (Bidston) ...	op.dm	rordt	o	o	53	46	39	0.5	–	1530	–	0.0
Chester (Shotwick) ...	oir	oqr.o	oq	oqp	56	46	41	Trace	–	0900	–	•
Spurn Head	o	opr	bbc	o	48	44	•	1	0.4	1430	03.30	0.0
Nottingham	o	p	op.c	o	52	46	42	1	0.1	<0800	<2100	0.0
Cranwell	r.id	omr	bcco	r.id	50	45	43	2	0.3	0900	<2100	0.0
Gorleston	orrq	orrq	om	obcfc	48	42	38	1	0.5	1100	<2100	0.0
Valencia (Cahirciveen)	ef	c	bbc	cy								
Roches Point												
Pembroke (St. Ann's H.)	oqpc	orrc	c	c	54	44	•	4	–	<0800	–	0.1
Ross-on-Wye	dqrz	d.cco	rocbc	bbc	54	43	34	4	1	<0800	<2100	0.0
Benson...	or	robc	bcr.c	bcbx	51	32	26	3	0.2	<0800	<2100	•
Andover	ado.Dr.	orrmo	cmopr	ooc	52	39	32	7	3	0900	<2100	0.0
S. Farnborough ...	or.orrq	orrmr.	odo	com	51	37	30	6	Trace	<0800	<2100	0.0
London (Kew Obsy.) ...	ompom	ormom	oRor.om	omcm	51	43	34	2	2	0900	<2100	0.0
Croydon	odo.dm	orrm	omrr.	om	50	45	35	5	1	<0800	<2100	0.0
Clacton-on-Sea ...	qpd	cpdoq	ogdc	ocbc	48	43	40	2	t	1100	<2100	0.0
Shoeburyness	bmcoir.	oir.orr.	oir.	oc	50	44	38	1	0.2	–	<2100	0.0
Grain	oqir.	or.ro	oro	o	50	42	34	1	Trace	<0800	–	0.0
Lympne	r·d	omrmt	or.frq	oFmr.	48	46	43	2	2	0900	<2100	0.0
Scilly (St. Mary's) ...	cpr.	oc	bc	bc	56	46	•	2	–	<0800	–	2.4
Falmouth (Pendennis)	omr	obcpo	ocm		56	49	•	5	1	<0800	<2100	1.4
Plymouth (Cattewater)	orm	c	bcor	orc	55	49	42	3	0.5	<0800	<2100	0.6
Portland Bill	or	oro	op	opc	54	45	•	4	0.6	<0800	2200	•
Southampton (Calshot)	oir.rm	orrmc	o	o	52	46	44	8	2	14·30	<2100	0.0
Dungeness	c	rord	orbc	3	50	48	•	1	2	14·30	<2100	•
Jersey 7h. ... / Guernsey 1h.	op.o	op.o	p	or.ro	53	48	•	1	3	<0800	2200	0.0

ISALLOBARS. 11th November 1922



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	10th 10h	Hibernia	S	8	om	55	54	4.5
3	11th 3h	Arundel	SW	4	b	51	53	

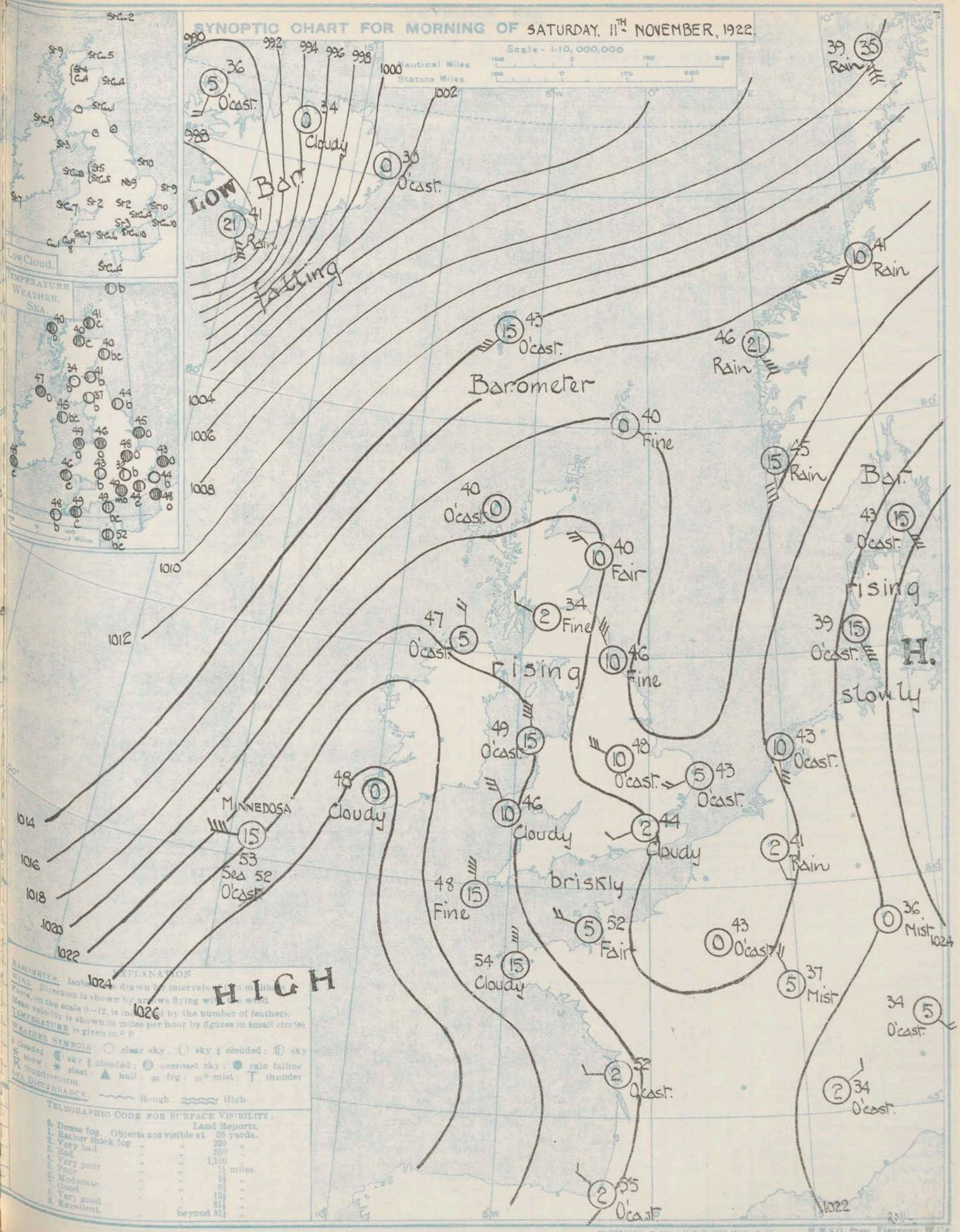
GENERAL INFERENCE.

The wedge of high pressure spreading in from the West will cause fine weather temporarily in all districts but a new deep depression which is now giving southwesterly gales in the Atlantic will probably cause a renewal of rainy weather by Sunday morning in the western districts spreading later over the Kingdom.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday 11th November, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind northwesterly light or moderate; fair generally, becoming less fair later on Sunday; some mist or fog inland; moderate temperature.	
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind NW light or moderate backing SW or S; fair Saturday some rain Sunday; mist in places; rather mild.	Unsettled generally.
9. N. Midlands 10. N.E. England 11. E. Scotland	As for 1 - 4.	
12. S.W. Scotland 13. Isle of Man	As for 5 - 8.	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind W backing South, light at first, freshening later; cloudy, some rain; visibility good; rather mild.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	At first Light NW wind and fair weather. Later Wind becoming strong from SW or S; dull, some rain; visibility good; rather mild.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0940. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....SATURDAY... 11TH NOVEMBER...1922. No. 315...

Observations at 0100 G.M.T.....11h.....

Stations	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1012.8	+6	NNW	2	b⁻	42	75	7	5700	StCu	2	-	2	•
Stornoway	1016.5	+7	N	2	0	•	•	5	•	•	•	•	•	•
Wick	1013.8	+7	NW	3	o/r	43	92	8	2500	StCu	9	-	9	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1017.8	+4	N'W	4	o⁺	47	85	8	5700	StCu	9	-	9	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1013.6	+9	NNW	2	o/r	45	75	8	-	St	10	-	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1008.5	+5	NNW	5	o/r	48	97	6	4000	Nb	10	-	10	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1016.2	+3	N'W	6	b⁻	49	92	8	-	-	0	-	0	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1011.1	+2	SW	3	b	47	92	7	-	-	0	Ci	3	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1013.3	+4	N'N	4	o⁺	47	92	7	2500	StCu	9	-	9	•
Gorleston	1014.1	+1	SW	1	mmo	47	97	5	2500	St	10	-	10	•
Valencia (Cahirciveen)	1022.2	+6	N'W	3	b⁻	49	75	9	4000	Cu	2	-	2	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1017.6	+5	NNW	4	c	49	85	8	4000	StCu	7	-	7	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	•	•	•	•	•	50	•	•	•	•	•	•	•	•
Croydon	1015.2	+2	WNW	2	o/r	50	97	6	800	St	9	-	9	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness... ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1015.5	+1	S'W	2	FFo	49	97	1	<150	St	10	-	10	•
Scilly (St. Mary's) ...	1019.1	+4	NNW	4	bc⁺	51	97	8	4000	Cu	5	-	5	•
Falmouth (Pendennis)														•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill														•
Southampton (Calshot)	1015.6	+4	NW	3	c	49	97	8	-	-	0	ACu	8	•
Dungeness	1015.1	+1	SW	4	or	51	92	7	2500	Nb	10	-	10	•
Jersey (7h)	1016.7	+2	NW	2	o⁺	51	97	7	5700	Nb	4	ACu	9	•
Guernsey (1h)														

Observations at 0700 G.M.T.....11h.....

Stations	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1018.0	+6	-	0	b	40	85	7	5700	StCu	2	-	2	0
Stornoway	1019.9	+2	-	0	0	40	85	6	800	St	9	-	9	0
Wick	1019.0	+6	WNW	1	c	41	85	8	5700	StCu	5	A St	8	1
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	1020.5	•	-	0	c/r	40	92	8	1500	St	8	-	8	•
Aberdeen	1020.0	+6	NW'N	3	bc⁻	40	92	8	4000	StCu	4	-	4	1
Malin Head	1021.5	+5	N	2	o	47	85	8	5700	StCu	9	-	9	4
Renfrew	1021.4	+6	WNW	1	b	34	97	6	-	-	0	-	0	•
Edinburgh (Inchkeith)	1020.7	+5	NW	2	b⁺	41	75	8	-	StCu	1	Ci	2	1
Leuchars	1020.1	+9	-	0	b⁻	32	92	8	-	-	0	Ci	1	•
Eskdalemuir	1020.8	+7	-	0	b	37	75	8	-	-	0	CiSt	1	•
Tynemouth	1018.4	+9	NNW	3	b⁻	44	85	6	-	-	0	ACu	2	2
Blacksod Point ...														•
Donaghadee	1022.0	+3	WNW	1	bo	45	75	8	4000	St	3	ACu	5	1
Birr Castle														•
Holyhead	1022.5	+7	N	4	o⁺	49	75	8	2500	StCu	10	-	10	5
Liverpool (Bidston) ...	1020.8	+3	WNW	2	o	46	92	6	2500	St	10	-	10	0
Chester (Shotwick) ...	1020.1	+5	WNW	4	o	47	85	7	2500	StCu	10	-	10	•
Spurn Head	1017.1	+6	NW	5	o	45	92	6	1500	St	10	-	10	5
Nottingham	1019.2	•	WNW	3	o	48	85	5	2500	Nb	9	CiSt	10	•
Cranwell	1019.4	+7	NNW	5	o	46	97	6	800	StCu	3	ASt	10	•
Gorleston	1018.3	+2	W'S	2	o⁺	43	92	6	2500	St	9	-	9	1
Valencia (Cahirciveen)	1026.4	+3	-	0	c⁻	48	85?	8	-	St	7	-	7	•
Roches Point														•
Pembroke (St. Ann's H.)	1022.3	+5	NNW	3	c	46	65	8	4000	StCu	7	-	7	4
Ross-on-Wye	1020.8	+6	W	1	b⁻	43	85	8	2500	St	2	-	2	•
Benson...	1020.3	+5	-	0	b⁻	32	97	7	-	St	2	-	2	•
Andover	1022.1	+5	NW	2	c⁻	44	97	7	2500	StCu	8	-	8	•
S. Farnborough ...	1020.6	+6	-	0	mmo	40	97	6	2500	St	3	ACu	10	•
London (Kew Obsy.)...	1020.8	+5	WSW	1	c⁻	44	97	6	4000	StCu	4	ACu	8	•
Croydon	1020.4	+6	WNW	2	o	45	92	6	1500	StCu	9	-	9	•
Clacton-on-Sea ...	1018.3	+5	WNW	3	b⁻	44	92	6	-	-	0	-	0	1
Shoeburyness... ...	1019.6	+7	NW	3	c/r	45	85	7	5700	Cu	8	-	8	•
Grain	1019.4	+8	WNW	4	o	46	92	7	4000	StCu	9	-	9	0
Lympne	1018.9	+5	NNW	4	o/r	46	92	6	2500	StCu	10	-	10	•
Scilly (St. Mary's) ...	1023.1	+4	N	4	b	48	75	8	4000	Cu	1	ACu	2	4
Falmouth (Pendennis)	1022.8	+6	N	2	c⁻	49	92	7	4000	CuNb	8	-	8	0
Plymouth (Cattewater)	1021.8	+5	NW	2	c/r	49	92	7	2500	StCu	7	-	7	1
Portland Bill	1020.0	+5	NW	4	bc⁻	49	85	6	1500	StCu	6	-	6	4
Southampton (Calshot)	1020.5	+6	NNW	3	o	46	97	6	2500	StCu	10	-	10	0
Dungeness	1018.9	+3	NW	2	o	48	97	6	4000	StCu	10	-	10	3
Jersey (7h)	1020.1	+2	WNW	2	bc/r	52	92	8	4000	StCu	4	-	4	3
Guernsey (1h)														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR...10TH NOVEMBER.

Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 9h.-10h. °F.	Temperature. Max. Day. 10h. °F.	Rainfall.† Night 17h.-9h. 9h.-10h. mm.	Rainfall.† Day 9h.-17h. 10h. mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 10h. hr.
Banff								
Montrose	*	*	34	48	2	7		0.0
Llandudno	ro	oro	37	58	1	1		0.4
Colwyn Bay ...	cr	dr	40	57	2	3		0.0
Rhyl...	op	op	41	57	-	1		0.1
Southport	co	opr	41	54	0.2	3.3		0.1
Blackpool	oop	dr	40	53	0.3	0.4		0.0
Harrogate	o	or	38	50	1	1		0.0
Skegness	or	ro	39	48	-	2		0.0
Aberystwyth ...	ror	o	44	55	trace	1		0.0
Bath	or	ro	37	55	-	3		0.0
Leamington Spa ...	or	or	35	52	1	1		0.0
Lowestoft	our	our	39	48	-	0.2		0.0
Felixstowe	om	omd	34	48	-	1		0.0
Southend	odo	od	39	48	-	1		0.0

Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 9h.-10h. °F.	Temperature. Max. Day. 10h. °F.	Rainfall.† Night 17h.-9h. 9h.-10h. mm.	Rainfall.† Day 9h.-17h. 10h. mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 10h. hr.
Paignton	orqpor	coc	46	57	5	5		0.4
Ilfracombe	or	o	49	56	1	3		0.0
Bude	rdrdd	d	49	57	1	5		0.0
Penzance	or	orbcp	50	57	9	trace		1.1
Falmouth Observatory	roc	cbcr	49	56	9	3		1.3
Torquay	r	bc	49	58	5	5		1.2
Weymouth	r	ro	47	55	1	4		0.0
Bournemouth ...	op	op	41	54	1	3		0.0
Portsmouth (S'thsea)	RR	ido	40	52	0.4	7		0.0
Worthing	do	ro	38	? 51	-	3		0.0
Brighton	d	d	40	51	-	3		0.0
Eastbourne	odr	or	37	51	-	3		0.0
Hastings	opdoo	ord	42	50	0.2	2		0.0
Folkestone	br	or	39	50	-	0.4		0.0
Tunbridge Wells ...	o	or	37	50	trace	3		0.0
Ramsgate	o	o	40	49	-	-		0.0
Margate	o	od	42	49	-	0.1		0.0
Deal	co	cdd	35	48	-	0.2		0.0

* 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. 22270 SUNDAY, 12TH NOVEMBER 1922.

Observations at 1300 G.M.T. 11th

STATIONS.	Barom. at M.S.L. m.b	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	State of ground.
Lerwick	1020.5	+1	WSW	2	c	45	75	7	-	-	0	A.Cu	7	*
Stornoway	1019.5	0	SW	3	o	48	75	6	800	St	9	-	9	*
Wick	1021.1	+3	SW	1	o	46	85	8	5700	St.Cu	4	Ci.	10	*
Castlebay	*													*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1023.3	+2	NW'N	2	c	46	75	7	4000	St.Cu	8	-	8	1
Malin Head	1023.4	+2	SW	3	o	48	85	7	5700	St.Cu	10	-	10	*
Renfrew	1024.5	+2	WNW	1	b+	48	65	6	4000	St.Cu	2	-	2	2
Edinburgh (Inchkeith)	1023.8	+4	W	1	mb-	45	75	6	-	-	0	Ci	1	*
Leuchars	1023.1	+3	NW	3	b	46	65	8	-	-	0	-	0	1
Eskdalemuir	1024.3	+5	-	0	b	46	65	8	7200	Cu	2	-	2	0
Tynemouth	1022.7	+4	NW	3	c+	47	85	6	-	-	0	A.Cu	7	*
Blacksod Point														*
Donaghadee	1025.4	+3	NW	2	c-	48	75	8	4000	St.Cu	3	A.Cu	8	*
Birr Castle														*
Holyhead	1025.3	+2	N'E	4	c-	49	75	8	4000	St.Cu	7	-	7	2
Liverpool (Bidston)	1024.7	+3	NW'W	3	b	47	75	8	4000	St.Cu	2	-	2	*
Chester (Shotwick)	1024.4	+2	NW	4	b	50	75	9	4000	Cu	3	-	3	?
Spurn Head	1021.5	+4	NW	5	o	?	75	6	2500	St	10	-	10	*
Nottingham	1022.8	*	NW	2	b	51	75	6	-	-	0	-	0	*
Cranwell	1023.0	+2	NNW	4	b	49	85	8	4000	Cu	1	A.Cu	2	0
Gorleston	1021.2	+2	WNW	2	od.	45	97	5	2500	St	10	-	10	*
Valencia (Cahirciveen)	1026.5	0	SE	1	o+	51	75	9	-	-	0	A.Cu	9	*
Roches Point														*
Pembroke (St. Ann's H.)	1025.9	+1	N	3	c	49	65	8	4000	St.Cu	8	-	8	*
Ross-on-Wye	1024.0	+3	NW'N	2	bc-	51	65	9	4000	St.Cu	6	-	6	1
Benson	1023.7	+2	NNW	3	bc+	49	85	6	-	Cu	5	-	5	2
Andover	1023.2	+2	N	3	o+	50	85	8	2500	St.Cu	8	A.St	10	1
S. Farnborough	1024.5	+2	-	0	o	49	85	6	-	-	0	Ci.Cu	9	1
London (Kew Obsy.)	1023.2	+2	N	2	o	50	85	5	4000	St.Cu	10	-	10	?
Croydon	1023.0	+2	N	2	nmo	48	85	4	1500	St.Cu	10	-	10	2
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1022.6	+2	NW	1	o+	47	85	7	4000	St	7	A.St	10	*
Grain	1022.8	+3	NNW	4	o	48	85	7	2500	St	10	-	10	2
Lympne	1022.0	+3	N	5	c+	48	85	7	2500	St.Cu	8	-	8	1
Scilly (St. Mary's)	1026.7	+2	NNW	2	o	50	65	8	4000	St.Cu	10	-	10	*
Falmouth (Pendennis)	1026.5	+4	N	3	o	49	75	9	5700	St.Cu	9	-	9	*
Plymouth (Cattewater)	1024.8	+1	N	3	o+	50	65	8	4000	St.Cu	9	-	9	?
Portland Bill	1022.6	+3	NW'N	3	b-	52	75	7	-	-	0	Ci.Cu	2	*
Southampton (Calshot)	1023.3	+2	N'W	3	bc+	51	85	7	4000	St.Cu	5	-	5	2
Dungeness	1021.7	+2	NE	2	bc+	51	75	8	-	-	0	Ci.Cu	8	*
Jersey 7h / Guernsey 1h	1023.0	+1	N	3	o	53	75	8	4000	St.Cu	10	-	10	*

Observations at 1800 G.M.T. 11th

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1020.4	0	SSW	3	c	45	75	7	4000	Cu	2	Ci.St	8	2
Stornoway	1018.8	-1	SW	5	o	48	85	6	800	St	9	-	9	4
Wick	1021.4	0	SSW	3	o	45	85	8	5700	St.Cu	6	Ci	9	0
Castlebay														
Nairn	1022.5	*	W	1	c	45	75	8	4000	Cu	8	-	8	*
Aberdeen	1025.3	+3	NW'N	1	b-	37	92	5	-	-	0	-	0	0
Malin Head	1023.4	0	SW	4	bc	46	92	7	-	-	0	A.Cu	4	5
Renfrew	1026.0	+3	SW	1	o	44	85	5	4000	St	10	-	10	*
Edinburgh (Inchkeith)	1026.0	+3	WSW	2	b/f	43	85	7	-	St	3	-	3	1
Leuchars	1025.5	+4	-	0	b	34	92	7	-	-	0	A.St	1	*
Eskdalemuir	1026.7	+2	-	0	b	34	85	8	2500	St.Cu	1	-	1	*
Tynemouth	1025.6	+3	NNW	1	b	42	92	6	-	-	0	-	0	2
Blacksod Point														
Donaghadee	1026.9	+2	W	1	bc-	44	85	8	7200	St.Cu	2	A.Cu	5	1
Birr Castle														*
Holyhead	1027.2	+3	N'W	3	o+	48	75	8	4000	St.Cu	10	-	10	3
Liverpool (Bidston)	1027.4	+3	NW'W	2	b-	43	85	8	-	-	0	-	0	3
Chester (Shotwick)	1026.9	+3	NW	3	b	40	92	4	-	-	0	-	0	*
Spurn Head	1025.1	+4	WNW	3	o	46	85	6	2500	St	10	-	10	4
Nottingham	1026.5	*	NW	1	ff bc	45	85	3	800	St	4	-	4	*
Cranwell	1026.2	+4	NW	3	bc	40	85	7	4000	St	4	-	4	
Gorleston	1023.9	+3	NW	2	o	46	92	6	2500	St	10	-	10	0
Valencia (Cahirciveen)	1027.9	+8	SE	1	o	51	85	8	-	St	10	-	10	
Roches Point														*
Pembroke (St. Ann's H.)	1027.9	+2	N	3	c	45	85	8	4000	St.Cu	8	-	8	4
Ross-on-Wye	1027.0	+5	[illegible]	0	bc-	42	85	9	2500	St	6	-	6	*
Benson	1026.5	+3	NW	1	b-	42	92	6	-	-	0	-	0	*
Andover	1026.9	+4	NNW	3	b	44	85	7	-	-	0	-	0	*
S. Farnborough	1026.2	+3	-	0	b-	40	97	4	-	St.Cu	1	-	1	*
London (Kew Obsy.)	1026.0	+4	N	1	b	44	85	4	-	-	0	-	0	*
Croydon	1028.6	+3	-	0	fo+	47	85	3	800	St	10	-	10	*
Clacton-on-Sea	1025.2	+4	NNW	2	o	46	92	6	4000	St	10	-	10	0
Shoeburyness	1025.8	+4	NNW	3	o	46	85	7	4000	St.Cu	5	A.St	10	*
Grain	1025.7	+4	NNW	3	o	46	92	7	4000	St	10	-	10	0
Lympne	1025.4	+4	N	3	o	45	85	7	-	-	0	-	0	*
Scilly (St. Mary's)	1027.6	+1	NNE	2	o	48	75	8	4000	St.Cu	10	-	10	3
Falmouth (Pendennis)	1028.5	+2	NNE	5	c	48	75	8	4000	St.Cu	7	-	7	0
Plymouth (Cattewater)	1027.3	+4	N	3	bc-	47	75	8	4000	St.Cu	6	-	6	1
Portland Bill	1025.6	+3	NNW	3	bc+	49	75	7	1500	St.Cu	5	-	5	3
Southampton (Calshot)	1026.2	+4	N'W	1	b-	45	97	6	-	-	0	-	0	0
Dungeness	1025.5	+3	NE	2	o+	46	97	7	2500	Nb	10	-	10	2
Jersey 7h / Guernsey 1h	1024.3	+1	N	3	o	51	75	8	4000	St.Cu	10	-	10	3

LONDON OBSERVATIONS.	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. 12th								YESTERDAY.	TO-DAY.	
Kew } Croydon } 24 hours ended 0700	c mom	ombm	bff x	*	*	25	-	-	0.0	*	*
				*	*	25	-	-	0.5	*	*
Greenwich (Royal Obsy.)	o	o	obm	49	33	27	-	-	0.0	81	99
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*						0.0		
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	0.0	*	*
Camden Square	o w c		*	50	35	31	-	-	*	*	98
Kensington Palace	o	bx	*	49	33	26	-	-	*	83	99
Hampstead Observatory	*	*	*							*	

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

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

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 (for wet grass but not wet ground).
6 = Skating today in 1300 & 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.	C	6	-	110°
18h.	C	6	-	120°
01h.	C	6	-	170
07h.	C	6	-	165

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

12th & 13th NOVEMBER, 1922.

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	12.25 / 12.25	4.53 / 4.52

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.
jp 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.

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

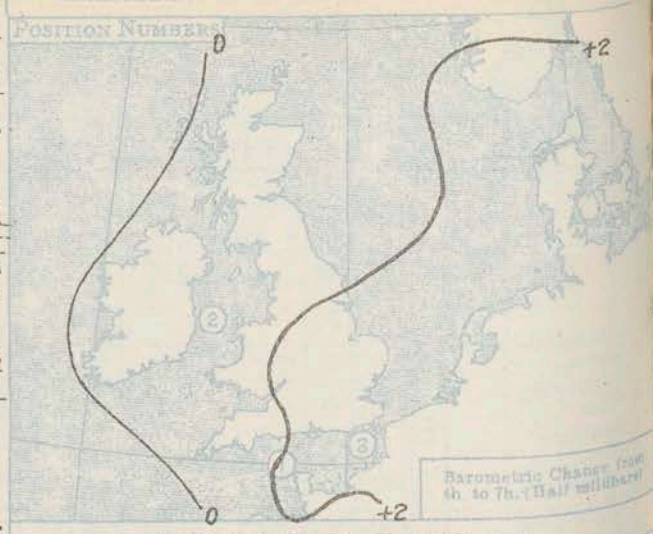
‡ For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

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. Hours.
Lerwick	c	c	oqp	omr	46	42	•	–	1	–	<2100	•
Stornoway	c	c	c	oo	49	47	•	–	–	–	–	0·6
Wick	oo	oo	oirq	oo	47	45	•	–	0·1	–	2400	•
Castlebay							•					
Nairn	cc	c	cgbc	bcg	45	44	•	–	–	–	–	4·5
Aberdeen	bcc	bcbm	bm	bmp	47	35	29	–	–	–	–	4·5
Malin Head	o	obc	bcv	bcv	48	45	•	–	–	–	–	0·3
Renfrew	bxm	bcozz	ommo		49	40	30	trace	trace	–	–	4·9
Edinburgh (Inchkeith)	m	m	bc	oo	48	41	37	–	–	–	–	7·5
Leuchars	bbc	bbc	b-bc		47	32	21	–	–	–	–	7·4
Eskdalemuir	bbc	bbc	bco		47	26	23	–	–	–	–	7·7
Tynemouth	bcm	cm	bm	bcm	47	33	29	–	–	–	–	•
Blacksod Point ...							•					•
Donaghadee	c	bc	bc	c	48	38	•	–	–	–	–	•
Birr Castle ...												
Holyhead	ooc	cbcc	bcco	coo	49	44	39	–	–	–	–	1·3
Liverpool (Bidston) ...	obcb	bbc	c		47	41	30	–	–	–	–	7·5
Chester (Shotwick) ...	obb	bbz	bmx	bxbcco	50	31	23	–	–	–	–	•
Spurn Head	oo	oo	oo	c	47	39	•	–	–	–	–	0·0
Nottingham	bbcm	for m	bf	x	51	25	26	–	–	–	–	1·9
Cranwell	omcbc	bbcz	bcz	bxo	49	31	27	–	–	–	–	5·2
Gorleston	cordm	omo	oo	odm	46	44	43	trace	trace	0900	2400	0·0
Valencia (Cahirciveen)	ov	bco	bc	bc								
Roches Point							•					•
Pembroke (St. Ann's H.)	c	c	c	c	52	42	•	–	–	–	–	0·1
Ross-on-Wye	bvcv	bccvbx	bbwbx	bmx	52	24	20	–	–	–	–	6·0
Benson...	mb	bcb	b	bfx	50	27	22	–	trace	–	–	•
Andover	cbo	ocbcb	bbm	bm	51	28	21	–	–	–	–	3·7
S. Farnborough ...	obmbco	bccbm	bfx		50	28	21	–	–	–	–	1·4
London (Kew Obsy.) ...	cmom	ombm	bmw	bffx	50	32	25	–	–	–	–	0·0
Croydon	obcom	omf	obffm	bbcmfx	49	32	25	–	–	–	–	0·5
Clacton-on-Sea ...	bccog	og	ogm	ogm	47	44	43	–	–	–	–	1·9
Shoeburyness	cbccb	oo	om		50	42	42	–	–	–	–	1·5
Grain	obmco	oirq	omom		48	42	41	trace	–	1430	–	1·1
Lympne	obbcm	com	oo	oo	50	43	41	–	trace	–	–	3·2
Scilly (St. Mary's) ...	co	oo	bcco	oo	50	32	•	–	–	–	–	0·3
Falmouth (Pendennis)	cmo	oc	b		52	40	•	–	–	–	–	0·8
Plymouth (Cattewater)	c	cbcb						–		–		
Portland Bill	cbc	bccz	cb	b-bc	54	44	•	–	–	–	–	•
Southampton (Calshot)	bybc	bcb	bm	dm	52	35	32	–	–	–	–	5·2
Dungeness	c	c	oo	oo	51	44	•	–	–	–	–	•
Jersey 7h. / Guernsey 1h.	bco	oco	opo	opo	55	46	•	–	trace	–	<2100	3·5

ISALLOBARS — 12th November



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility.
2	12th 1000	'Hibernia'	SSW	3	b	49	53	8
3	12th 0300	'Dieppe'	ENE	2	o	49	52	6
1	11th 1700	'Ibex'	NNE	4	o–	51	55	8

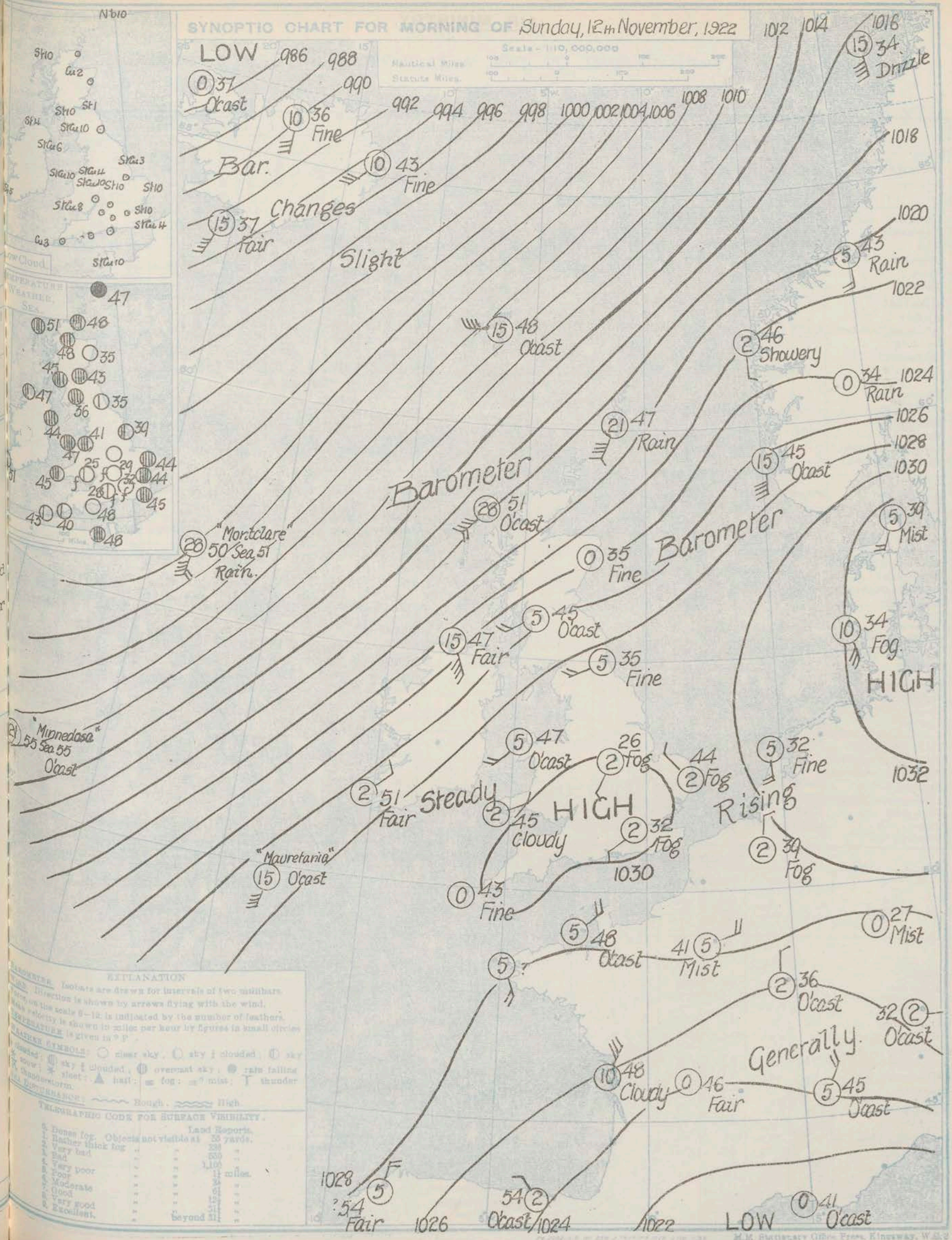
GENERAL INFERENCE.

An anticyclone is now centred over England and will maintain fine, quiet, weather in most districts with frost at night. Secondaries to a depression beyond Iceland will cause mild South-westerly winds with cloudy weather and occasional rain or showers in the extreme Northwest and North of these Islands.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Sunday, 12th November, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light indefinite breezes; fine; frost and some mist or fog at night.	Continuing fair in the South and East of England, and probably over the whole of England.
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 mainly Southwesterly, light or moderate; fair; frost and some mist or fog in places at night.	
▼14. N. & N.W. Scotland ▼15. Hebrides ▼16. Orkneys and Shetlands 17. N.W. Ireland	Wind Southwesterly, strong at times; cloudy, occasional rain or showers; visibility moderate or good; mild.	▼ South Cone hoisted 1900 11/11/22.
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 7 to 13	

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.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... SUNDAY, 12TH NOVEMBER 1922. No. 316

Observations at 0100 G.M.T. 12th

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1018·4	-2	SSW	6	op.	47	85	7	-	-	0	ASt	10	•
Stornoway	1019·3	-1	SW	6	0	•	•	5	•	•	•	•	•	•
Wick	1019·7	-2	SSW	4	or.	46	97	8	800	St	9	-	9	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1023·4	0	S	4	bc	46	92	8	-	-	0	CiSt	4	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1025·7	0	W	3	bc	41	85	7	-	St	4	-	4	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1027·1	+1	W	2	b	39	92	6	-	-	0	-	0	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1028·8	+2	W'S	1	0+	46	75	8	2500	StCu	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1027·0	+2	WNW	4	0	42	92	5	-	-	0	ASt	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1028·7	+2	WNW	3	bc	34	97	6	4000	StCu	3	-	3	•
Gorleston	1026·9	+1	NW'W	2	od.	45	97	6	2500	St	10	-	10	•
Valencia (Cahirciveen)	1027·6	0	E	1	bc-	50	97	8	-	StCu	5	-	5	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1029·3	+1	ENE	1	c	45	75	8	4000	StCu	8	-	8	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	•	•	•	•	37	•	•	•	•	•	•	•	•	•
Croydon	1028·4	+2	-	0	bc/f	37	92	6	-	-	0	ACu	1	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1027·0	+3	N	3	0	43	92	7	2500	St	10	-	10	•
Scilly (St. Mary's) ...	1029·4	+1	NNE	1	0	47	75	8	4000	StCu	10	-	10	•
Falmouth (Pendennis)														•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1028·0	+2	NE	4	b	47	75	8	-	-	0	-	0	•
Southampton (Calshot)	1028·6	+2	NW	2	b	38	97	6	-	-	0	-	0	•
Dungeness	1027·8	+2	NE	3	0	46	97	7	-	-	0	ASt	10	•
Jersey 7h }	1027·3	+1	NE	4	0	50	85	5	5700	StCu	6	ACu	9	•
Guernsey 1h }														

Observations at 0700 G.M.T. 12th

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1019·3	+1	SSW	5	or.r.	47	92	6	4000	Nb	10	-	10	4
Stornoway	1018·3	-1	SW	6	0	51	92	6	800	St	10	-	10	4
Wick	1020·3	0	SSW	4	0	48	97	8	-	-	0	ACu	9	3
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	1021·3	•	-	0	bc	48	85	8	4000	Cu	2	ACu	5	•
Aberdeen	1023·9	0	-	0	b	35	97	7	-	-	0	Ci	1	0
Malin Head	1023·4	0	SSE	4	C+	47	97	8	4000	St	4	ACu	6	5
Renfrew	1026·7	+1	WSW	2	0	45	85	6	2500	St	10	-	10	•
Edinburgh (Inchkeith)	1025·7	0	WSW	3	0•	43	85	8	-	-	0	CiSt	9	2
Leuchars	1025·0	0	SW	3	bc	41	92	7	-	-	0	ASt	4	•
Eskdalemuir	1027·8	0	S	1	0	36	75	4	2500	StCu	10	-	10	•
Tynemouth	1028·9	0	WSW	2	bc	35	97	6	-	-	0	ACu	3	1
Blacksod Point ...	1021·1	0	WSW	1	0+	44	92	8	5700	StCu	6	ASt	9	0
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	0
Holyhead	1029·9	+2	SW	2	0	47	85	8	2500	StCu	10	-	10	3
Liverpool (Bidston) ...	1029·8	0	SSW	2	C	41	85	6	2500	StCu	4	ASt	7	•
Chester (Shotwick) ...	1029·7	+1	SW	2	0+	35	97	5	5700	StCu	10	-	10	•
Spurn Head	1029·9	+2	WNW	3	bc	39	92	6	4000	StCu	3	Ci	4	4
Nottingham	1030·6	•	SSW	1	ffo	26	97	2	450	St	10	-	10	•
Cranwell	1030·7	+2	W	3	b	31	97	4	-	-	0	Ci	1	•
Gorleston	1028·9	+2	NW	1	0	44	97	5	2500	St	10	-	10	0
Valencia (Cahirciveen)	1027·0	0	NE'N	1	bc	51	97	8	-	St	5	-	5	
Roches Point														
Pembroke (St. Ann's H.)	1029·9	0	ENE	1	c	45	75	8	4000	StCu	8	-	8	3
Ross-on-Wye	1030·9	+2	-	0	fb	25	97	3	-	-	0	CiCu	3	•
Benson...	1030·7	+2	-	0	ffb	29	97	1	-	-	0	-	0	•
Andover	1030·7	+1	-	0	b	29	97	5	-	-	0	-	0	•
S. Farnborough ...	1030·6	+2	-	0	fb	28	97	3	800	St	3	-	3	•
London (Kew Obsy.)...	1031·0	+2	SW	1	ffb	32	97	1	-	-	0	-	0	•
Croydon	1030·9	+2	-	0	ffc	32	97	3	4000	StCu	6	-	6	•
Clacton-on-Sea ...	1029·8	+3	NNW	2	0	44	92	4	5700	StCu	10	-	10	0
Shoeburyness	1030·3	+3	NW	1	ffo	44	85	5	4000	Cu	10	-	10	•
Grain	1030·5	+3	W	2	ffo	42	97	5	4000	St	10	-	10	0
Lympne	1030·3	+3	N	3	0	43	92	4	800	StCu	10	-	10	•
Scilly (St. Mary's) ...	1029·6	0	-	0	bc	43	85	8	4000	Cu	3	-	3	3
Falmouth (Pendennis)	1030·6	+1	-	0	bc	40	92	8	-	-	0	CiCu	2	0
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	1
Portland Bill	1029·2	+1	NNE	3	b	48	85	7	-	-	0	-	0	0
Southampton (Calshot)	1030·3	+2	NW'N	3	b	36	97	5	-	-	0	-	0	0
Dungeness	1029·2	+3	NE	2	0	45	92	7	-	-	0	ASt	10	2
Jersey 7h }	1028·9	+1	NE	2	0/r	48	92	6	2500	StCu	10	-	10	0
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 11th NOVEMBER

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 10th–11th °F.	Temperature. Max. Day. 11th °F.	Rainfall.† Night 17h.-9h. 10th–11th mm.	Rainfall.† Day 9h.-17h. 11th mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 11th hr.
Banff								4·9
Montrose	*	*	39	49	6	-		7·6
Llandudno	cbc	cbc	42	50	0·1	-		3·8
Colwyn Bay ...	bc	bc	46	50	-	-		5·8
Rhyl...	bc	bc	46	49	-	-		7·5
Southport	b	b	43	47	0·4	-		7·6
Blackpool	cb	b	43	48	1	-		7·9
Harrogate	b	b	41	49	-	-		7·0
Skegness	o	o	42	48	0·2	-		0·0
Aberystwyth ...	oac	b	46	55	-	-		0·8
Bath	mb	bbcco	40	52	-	-		4·4
Leamington Spa ...	bc	bcm	39	52	1	-		3·5
Lowestoft	o	o	42	46	2	-		0·0
Felixstowe	bm	om	41	47	3	-		1·3
Southend	co	o	41	50	0·1	-		1·7

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 10th–11th °F.	Temperature. Max. Day. 11th °F.	Rainfall.† Night 17h.-9h. 10th–11th mm.	Rainfall.† Day 9h.-17h. 11th mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 11th hr.
Paignton	b	bvo	48	54	-	-		4·9
Ilfracombe	bbc	bcb	48	54	0·3	-		3·5
Bude	bcbc	c	46	52	1	-		0·1
Penzance	co	co	47	51	0·5	-		0·6
Falmouth Observatory	ocb	bcco	48	51	1	-		5·1
Torquay	b	b	46	53	2	-		5·3
Weymouth	b	bco	45	55	0·2	-		4·0
Bournemouth ...	bb	oob	46	52	3	-		4·7
Portsmouth (S'thsea)	b	cbm	47	53	1	-		5·1
Worthing	b	bco	46	51	1	-		4·3
Brighton	obb	bff	47	53	0·4	-		5·2
Eastbourne	b	bc	46	56	3	-		3·6
Hastings	cbc	bbcco	47	52	2	-		4·8
Folkestone	b	b	46	51	3	-		1·5
Tunbridge Wells ...	bbco	bco	44	49	2	-		4·3
Ramsgate	b	bco	44	49	0·4	-		3·5
Margate	b	co	43	48	0·3	-		4·0
Deal	cbcb	bbcm	45	49	-	-		

* 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. B22271 Monday, November 13th. 1922.

Observations at 1300 G.M.T. 12th Nov.

STATIONS.	Barom. at M.S.L. m.b	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	State of ground.
Lerwick	1018.5	-3	SSW	5	c-	48	85	7	-	-	0	ASt	7	*
Stornoway	1016.4	-1	S	6	o	52	88	6	800	St	10	-	10	*
Wick	1019.5	-2	SW	6	0	50	92	8	-	-	0	ACu	9	*
Castlebay	*													*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	10233	-1	SSW	3	bc	51	75	6	-	-	0	CiSt	4	0
Malin Head	10229	0	S	5	c+	52	92	8	-	-	0	CiCu	8	*
Renfrew	10265	-0	SW	4	ojp	49	85	6	2500	Nb	7	Ci	10	2
Edinburgh (Inchkeith)	10258	-2	WSW	3	c	49	85	7	-	StCu	9	-	9	*
Leuchars	10252	-0	W	4	0	48	85	6	4000	StCu	10	-	10	1
Eskdalemuir	10281	0	SW	4	0	44	85	7	2500	StCu	10	-	10	0
Tynemouth	10266	0	SW	1	fbc-	44	75	3	-	-	0	CiCu	4	*
Blacksod Point														*
Donaghadee	10274	0	SW	1	c	50	85	8	5700	StCu	6	ASt	8	*
Birr Castle														*
Holyhead	10298	+0	SW	2	0	50	75	8	2500	StCu	10	-	10	1
Liverpool (Bidston)	10302	0	SW	2	0+	46	85	7	2500	StCu	10	-	10	*
Chester (Shotwick)	10305	+0	SSE	1	0	46	75	6	4000	StCu	10	-	10	0
Spurn Head	10309	+1	WSW	1	mc-	46	92	5	4000	StCu	8	-	8	*
Nottingham	10310	*	SW	1	b	38	97	4	-	-	0	-	0	*
Cranwell	10309	+0	SW'S	2	b	48	75	6	-	-	0	Ci	2	0
Gorleston	10306	+1	NNW	1	mmo	48	92	5	2500	St	10	-	10	*
Valencia (Cahirciveen)	10271	0	SE	3	a	53	92	9	-	StCu	10	-	10	
Roches Point														*
Pembroke (St. Ann's H.)	10309	0	S	3	0	48	75	8	4000	StCu	10	-	10	*
Ross-on-Wye	10312	-1	-	0	b	42	88	7	-	-	0	Ci	2	1
Benson	10316	0	NW	1	m'b-	42	92	6	-	-	0	Ci	1	1
Andover	10306	0	E	1	b+	47	85	6	2500	Cu	1	Ci	2	1
S. Farnborough	10308	-0	-	0	b-	47	85	4	-	-	0	-	0	1
London (Kew Obsy.)	10312	-1	-	0	fb-	44	92	2	-	-	0	-	0	1
Croydon	10314	-1	-	0	mbc-	47	85	4	5700	StCu	4	-	4	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	10310	0	NNW	1	0	48	85	5	1500	StCu	6	ASt	10	*
Grain	10310	0	NW	2	mmo	47	85	5	2500	St	10	-	10	2
Lympne	10310	+0	N	2	0	47	85	5	1500	St	9	-	9	1
Scilly (St. Mary's)	10310	0	-	0	c	53	65	8	4000	StCu	8	-	8	*
Falmouth (Pendennis)	10318	-2	-	0	bc+	50	85	8	4000	Cu	5	-	5	*
Plymouth (Cattewater)	10304	+0	-	0	b	50	75	8	-	-	0	-	0	1
Portland Bill	10312	+2	NE	2	b	49	75	6	-	-	0	-	0	*
Southampton (Calshot)	10311	0	NW'N	2	b	48	85	6	-	-	0	Ci	1	0
Dungeness	10300	0	NE	2	c	51	85	7	-	-	0	ACu	8	*
Jersey 7h / Guernsey 1h	10293	0	NNE	2	0	51	75	6	2500	StCu	10	-	10	*

Observations at 1800 G.M.T. 12th Nov.

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1016.1	-2	SSW	5	c	49	85	7	5700	StCu	3	ASt	7	4
Stornoway	1015.5	-1	S	6	0fC	51	97	6	450	St	10	-	10	4
Wick	1018.2	-1	SW	5	0	49	97	8	5700	StCu	6	ACu	9	3
Castlebay														
Nairn	1019.5	*	WSW	5	0+	52	75	8	5700	StCu	10	-	10	*
Aberdeen	1023.0	0	SW	3	b-	46	92	6	5700	StCu	1	-	1	0
Malin Head	1022.3	0	SSW	5	0	51	97	7	4000	St	7	ACu	9	5
Renfrew	1026.7	+1	W	3	c-	47	85	6	4000	St	7	-	7	*
Edinburgh (Inchkeith)	1025.5	0	WSW	2	bc-	47	85	8	-	St	4	-	4	2
Leuchars	1024.8	-1	SW	1	bc-	47	85	6	4000	StCu	5	-	5	*
Eskdalemuir	1028.3	0	SW	4	0	44	85	7	1500	StCu	10	-	10	*
Tynemouth	1028.7	0	W	1	imb	42	92	4	-	-	0	ACu	3	0
Blacksod Point														
Donaghadee	1027.1	0	SW	1	0	49	92	8	-	-	0	ASt	10	0
Birr Castle														*
Holyhead	1029.8	0	SW'S	3	bc-	49	85	9	-	-	0	ASt	5	2
Liverpool (Bidston)	1030.5	0	S'E	1	0	45	85	7	2500	St	10	-	10	2
Chester (Shotwick)	1030.6	0	S	1	fo	45	85	3	4000	StCu	10	-	10	*
Spurn Head	1031.1	+1	SW	1	b	41	92	6	-	-	0	-	0	3
Nottingham	1032.3	*	SW	1	FC+	33	97	1	450	St	7	-	7	*
Cranwell	1032.1	+2	WSW	3	b	35	97	6	-	-	0	CiCu	2	*
Gorleston	1031.4	+1	-	0	mmo	45	92	6	5700	St	10	-	10	0
Valencia (Cahirciveen)	1027.6	0	SE	2	0	52	92	9	-	StCu	9	-	9	
Roches Point														
Pembroke (St. Ann's H.)	1031.4	+1	SSW	2	bc	47	75	8	4000	StCu	5	-	5	3
Ross-on-Wye	1031.9	+2	-	0	mb	36	92	4	-	-	0	Ci	1	*
Benson	1031.8	+1	-	0	bc+	41	92	5	-	St	5	+	5	*
Andover	1031.7	+1	-	0	b-	40	92	6	2500	StCu	1	-	1	*
S. Farnborough	1032.0	+1	-	0	ffb	37	92	2	225	St	10	-	10	*
London (Kew Obsy.)	1032.6	+2	-	0	FFO	41	97	0	<150	St	10	-	10	*
Croydon	1031.7	+1	-	0	FFb	39	97	1	-	-	0	-	0	*
Clacton-on-Sea	1031.2	+1	NNE	2	bc-	46	92	4	4000	St	3	CiSt	5	0
Shoeburyness	1031.7	0	-	0	0	45	92	5	1500	StCu	7	ASt	10	*
Grain	1032.1	+2	-	0	mo+	44	97	5	4000	StCu	10	-	10	0
Lympne	1030.9	+1	N	3	0	45	97	5	800	St	10	-	10	*
Scilly (St. Mary's)	1030.9	0	-	0	c	45	85	8	4000	StCu	7	-	7	2
Falmouth (Pendennis)	1032.4	?	N	2	bc-	46	85	7	4000	Cu	2	-	2	0
Plymouth (Cattewater)	1032.3	+3	-	0	imb	45	85	5	-	-	0	-	0	0
Portland Bill	1031.2	0	N	2	b	45	75	6	-	-	0	-	0	2
Southampton (Calshot)	1031.6	+1	NNW	1	mb+	43	97	5	-	-	0	-	0	0
Dungeness	1030.9	+1	NE	2	0	47	97	6	-	-	0	ASt	10	2
Jersey 7h / Guernsey 1h	1030.6	0	NNE	2	0	51	75	6	2500	StCu	10	-	10	0

LONDON OBSERVATIONS.	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. %
	24 HOURS ENDED 0900 G.M.T. 13th								YESTERDAY.	TO-DAY.	
Kew	afxbfw	bfwF	owfm	*	*	29	0.1	-	0.8	*	*
Croydon (24 hours ended 0700)	bfbcm	bcfoF	bffwx	*	*	28	tra	tra	3.7	*	*
Greenwich (Royal Obsy.)	of	f	ofwbjm	44	38	30	-	-	0.0	84	88
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*	46	34	31	-	-	0.0	89	80
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	0.0	*	*
Camden Square	b	b	*	45	38	35	-	-	*	*	84
Kensington Palace	of	of	*	46	40	32	-	-	*	94(16h)	85
Hampstead Observatory	*	*	*	47	37	34	-	-	-	*	86

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 12th

South Kensington

Max.	Time.	Min.	Time.
0.6	7-19h (11th)	?	—
4.0	11-(5h) (12th)		

Kew Observatory

Max.	Time.	Min.	Time.
—	—	—	—

POLE STAR RECORD at Greenwich Obsy.

Exposure from 12h 14m. 15s. to 13h 06m. 15s.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13.00	0.36	5
3 Ursae Minoris	13.00	0.16	2

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 today in 1300 & 1800 reports (floor frost in 0900 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.	-	-	-	-
16h.	C	3	-	-
01h.	C	3	-	-
07h.	C	5	-	160

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

13th 14th Nov., 1922.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.12 / 7.14	11.37 / 11.38	4.3 / 4.2
Greenwich	7.16 / 7.18	11.44 / 11.45	4.13 / 4.12
Wick	7.58 / 8.0	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).
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.
jp 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.
rofo = continuous light rain.

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.

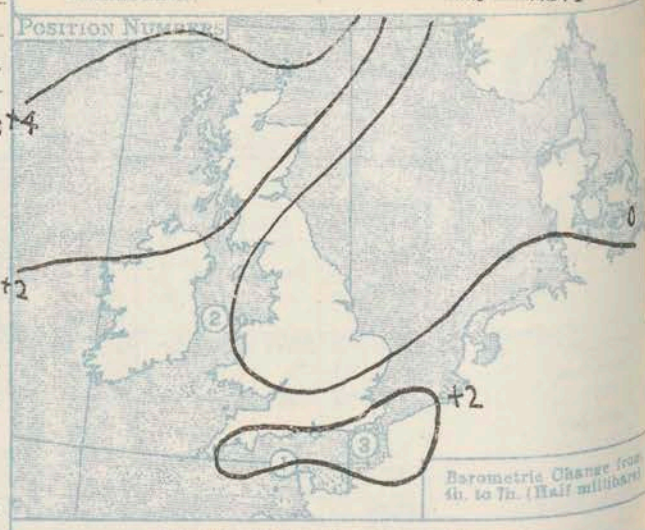
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

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. 12th	13h.–18h. 12th	18h.–1h. 12th to 13th	1h.–7h. 13th	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	cq	cq	omr	bc	50	45	.	-	2	-	<2100	.
Stornoway	ob	of	Yord	YYO	52	44	.	0.3	3	1730	-	0.0
Wick	oo	oo	o	oir	50	47	.	-	0.4	-	03.30	.
Castlebay							.					
Nairn	bec	cgo	og	bgo	53	50	.	-	0.3	-	-	0.8
Aberdeen	bcfm	bcbm	bmisco	o	51	46	40	.	-	-	-	2.7
Malin Head	bcv	o	o	owwFo	52	50	.	-	Trace	-	03.30	5.1
Renfrew	ocomq	omc	ocom	omd	50	47	43	trace	-	-	-	1.6
Edinburgh (Inchkeith)	c	oo	bcco	o	50	46	42	-	-	-	-	4.3
Leuchars	com	obm	o	o	49	46	36	-		-	-	2.0
Eskdalemuir	oo	oo	o	oodm	45	42	8	-	0.5	-	-	0.0
Tynemouth	Fftbc	bcif	bif	bcm	46	33	33	-	-	-	-	.
Blacksod Point ...							.					.
Donaghadee	c	c	c	id	50	45	.	-	0.1	-	02.30	.
Birr Castle ...												
Holyhead	foo	ocbco	bcoy	oo	50	47	45	-	-	-	-	0.0
Liverpool (Bidston) ...	c	oo	om	om	47	41	35	-	-	-	-	0.9
Chester (Shotwick) ...	omz	ozm	ofm	oocm	48	40	34	-	-	-	-	.
Spurn Head	f-m	bbc	form	bcmx	48	36	.	-	-	-	-	2.6
Nottingham	f-m	f-m	Fx	F	40	28	26	-	-	-	-	2.2
Cranwell	b-bc	bm	bbcm	mx	44	32	25	-	-	-	-	4.1
Gorleston	om	om	form	om	49	42	33	-	-	-	-	0.0
Valencia (Cahirciveen)	om	o	o									
Roches Point							.					.
Pembroke (St. Ann's H.)	oo	oo	bco	o	49	45	.	-	-	.	-	0.4
Roes-on-Wye	tbm	bzcmbm	bmFFx	fxcmx	47	26	23	-	-	-	-	5.5
Benson	fy	b	bm	of	45	32	25	-	-	-	-	.
Andover	mxb	bm	bfxbc	cgm	49	33	28	-	0.1	-	-	7.0
S. Farnborough ...	bcfxbm	bmof	bf	gfom	50	30	34	-	Trace	-	-	3.8
London (Kew Obsy.) ...	ofxbfw	bfwofw	omisofw	ofwomd	42	40	25	0.1	-	-	-	0.4
Croydon	bfbcm	bcfoF	bFFw	bFFwx	49	34	23	trace	Trace	-	-	3.9
Clacton-on-Sea ...	ogm	ogcbcm	bcogm	ogcm	48	42	39	-	-	-	-	0.0
Shoeburyness	f-m	f-m	omcm	for m	48	38	31	-	-	-	-	0.0
Grain	omom	omom	omom	8mom	47	42	40	-	-	-	-	0.0
Lympne	om	f-m	for m	offs	47	33	29	-	Trace	-	-	0.0
Scilly (St. Mary's) ...	c	cbcc	c	co	55	43	.	-	-	-	-	5.0
Falmouth (Pendennis)	bbc	bcb	obcco		51	40	.	-	-	-	-	4.1
Plymouth (Cattewater)	bm	bbc	b	bm	52	31	24	-	-	-	-	4.4
Portland Bill	b-bc	bbc	bbc	bbc	49	34	.	-	-	-	-	.
Southampton (Calshot)	bmm	bmw	bmwso	bmom	49	36	31	-	-	-	-	6.8
Dungeness ...	c	c	c	3	51	33		-	-	-	-	.
Jersey 7h } ...	obco	oco	bbc	8	52	40	.	-	-	-	-	0.1
Guernsey 1h }												



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Authority.
3	13th 3h	Brighton	ENE	4	0	50	52	S

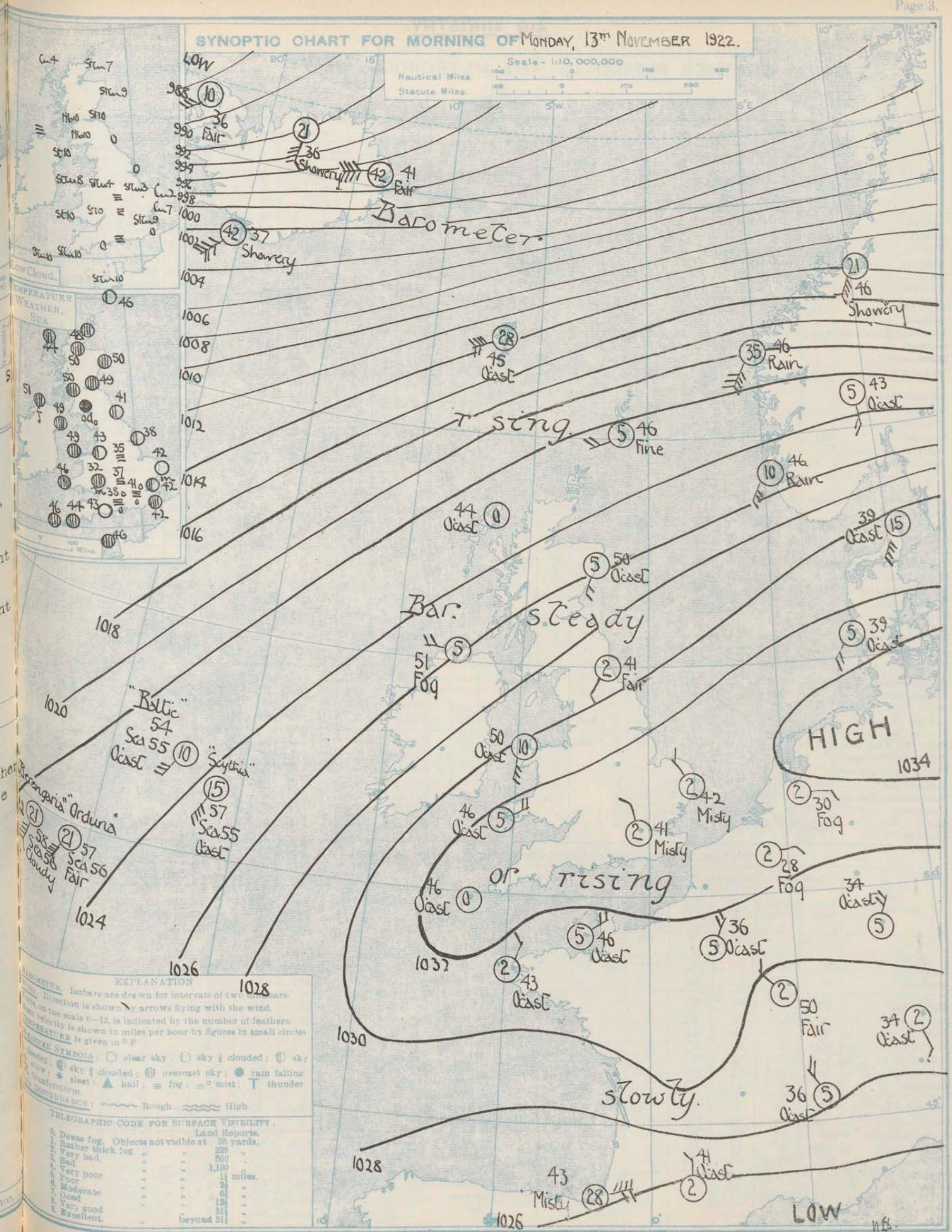
GENERAL INFERENCE.

The belt of high pressure over England will maintain fair quiet weather with fog inland. Over Scotland and Ireland the light southwesterly wind current associated with the Iceland depression will maintain a moderate temperature with slight local rain at first.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 13th November, 1922.	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 variable winds; fair generally; mist or fog inland; moderate temperature on coast, night frosts inland.	Fair quiet weather for two or three days.
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	Light or moderate SW wind, decreasing; cloudy, with slight rain in places at first, becoming fair generally; mist or fog in places; moderate temperature.	

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION... Monday, 13th November ...1922. No. 317

Observations at 0100 G.M.T. 13th

Stations	Barom. at M.S.L. (m.b)	Change in 3 Hours	Wind Direc.	Wind Force (0-12)	Weather	Temp. (°F.)	Humidity (%)	Visibility (0-9)	Height of Low Cloud (Feet)	Low Cloud Form.	Low Cloud Amt. (0-10)	Upper Form.	Total Amt. (0-10)	Sea (0-9)
Lerwick	1017.6	+6	WSW	5	o/r	50	97	6	–	–	0	ASt	10	•
Stornoway	1020.1	+4	W	1	o/r	•	•	5	•	•	•	•	•	•
Wick	1019.7	+3	SSW	5	o	50	97	9	5700	Cu	5	ASt	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1023.1	+1	SSW	5	o	51	94	7	5700	Nb	8	ACu	9	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1025.1	+1	W	2	o	43	85	8	–	St	4	ASt	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1029.1	+1	W	1	b/f	33	97	6	–	–	0	ACu	3	•
Blacksod Point														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1030.2	+2	SW'W	3	o+	51	85	9	4000	StCu	10	–	10	•
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1031.6	0	SW	3	mb	38	92	4	–	–	0	–	0	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1032.7	0	N'S	2	oc+	32	97	6	–	–	0	CiSt	4	•
Gorleston	1031.4	0	NW'N	1	o	43	92	5	4000	St	10	–	10	•
Valencia (Cahirciveen)	1028.4	0	ESE	1	o	53	97	8	–	St	10	–	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1034.1	0	E	3	o+	48	75	8	4000	St	10	–	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	•	•	•	•	•	40	•	•	•	•	•	•	•	•
Croydon	1032.5	+1	–	0	FFb	42	97	1	–	–	0	–	0	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1031.5	+1	E	2	of	41	92	3	800	St	10	–	10	•
Scilly (St. Mary's)	1031.8	0	–	0	c	46	75	8	4000	StCu	8	–	8	•
Falmouth (Pendennis)														•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1031.2	0	N'W	2	b	45	75	6	–	–	0	–	0	•
Southampton (Calshot)	1032.6	+1	NNW	2	fb+	37	87	3	–	–	0	–	0	•
Dungeness	1031.5	0	ESE	2	c	42	97	6	–	–	0	ASt	8	•
Jersey 7h / Guernsey 1h	1023.6	+1	NNW	3	b+	46	92	6	–	–	0	ACu	3	•

Observations at 0700 G.M.T. 13th

Stations	Barom. at M.S.L. (m.b)	Change in 3 Hours	Wind Direc.	Wind Force (0-12)	Weather	Temp. (°F.)	Humidity (%)	Visibility (0-9)	Height of Low Cloud (Feet)	Low Cloud Form.	Low Cloud Amt. (0-10)	Upper Form.	Total Amt. (0-10)	Sea (0-9)
Lerwick	1022.5	+5	N'S	2	b	46	92	7	–	–	0	ASt	3	1
Stornoway	1023.0	+3	–	0	o	44	97	6	4000	Cu	4	ACu	5	0
Wick	1023.3	+3	SW	2	o/r	48	92	8	5700	StCu	7	ASt	10	1
Castlebay														
Nairn	1024.0	•	–	0	o	50	92	8	1500	St	9	–	9	•
Aberdeen	1025.0	+1	SWS	2	o	50	92	7	4000	StCu	9	–	9	0
Malin Head	1026.0	+3	W	2	ffo	51	94	3	<150	St	10	–	10	5
Renfrew	1027.0	+1	SW	3	o	50	92	5	1500	Nb	10	–	10	•
Edinburgh (Inchkeith)	1026.6	0	SW	2	o	49	92	8	–	St	10	–	10	2
Leuchars	1026.1	+1	–	0	o	49	93	7	2500	StCu	10	–	10	•
Eskdalemuir	1029.2	3	SSW	3	od	46	94	2	800	Nb	10		10	•
Tynemouth	1029.8	0	SW	1	bc	41	92	5	–	–	0	ACu	3	0
Blacksod Point	1024.6	+1	SW	1	o	49	92	8	1500	St	10	–	10	0
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	0
Holyhead	1030.3	0	SSW	3	o	50	97	8	4000	StCu	9	ASt	9	2
Liverpool (Bidston)	1031.1	0	S	1	bc	43	85	5	2500	St	9	ASt	5	•
Chester (Shotwick)	1031.5	0	SE	2	c	40	92	5	4000	StCu	4	CiSt	7	
Spurn Head	1031.6	0	SSW	3	bc	38	92	5	–	–	0	CiSt	5	3
Nottingham	1032.6	•	SW	1	fb	35	97	3	800	St	10	–	10	•
Cranwell	1032.4	0	S'W	3	bc	35	97	6	4000	StCu	3	ACu	6	0
Gorleston	1032.6	0	NWN	1	mmb	42	92	4	4000	Cu	2	–	2	
Valencia (Cahirciveen)														
Roches Point														3
Pembroke (St. Ann's H.)	1032.5	+1	ENE	2	o	46	88	4	2500	St	10	–	10	•
Ross-on-Wye	1032.3	0	–	0	mb	32	97	4	1500	St	10	–	10	•
Benson	1033.6	0	–	0	ffo	30	97	3	–	St	10	–	10	•
Andover	1033.7	+1	–	0	o	40	85	6	1500	St	10	–	10	•
S. Farnborough	1033.5	+1	NNW	1	mmo	38	97	4	450	St	10	–	10	•
London (Kew Obsy.)	1033.9	+1	NNW	1	mmo	41	85	5	4000	StCu	9	–	9	•
Croydon	1033.1	+1	–	0	FFb	37	97	2	–	–	0	–	0	0
Clacton-on-Sea	1032.7	+1	NNW	3	c	42	94	5	4000	Cu	7	Ci	7	•
Shoeburyness	1033.1	+1	N	1	mmb	39	85	6	5700	StCu	2	–	3	0
Grain	1033.4	+2	NNE	4	o	45	92	6	4000	StCu	10	–	10	•
Lympne	1032.6	+2	N	3	fo+	41	97	2	<150	St	10	–	10	
Scilly (St. Mary's)	1032.4	+1	–	0	o	46	95	8	4000	StCu	10	–	10	2
Falmouth (Pendennis)	1033.6	+2	NE	1	o	44	85	7	2500	StCu	10	–	10	0
Plymouth (Cattewater)	1033.3	0	–	0	b	32	97	6	–	–	0	–	0	0
Portland Bill	1032.3	+2	NE	4	b	43	75	6	–	–	0	–	0	3
Southampton (Calshot)	1033.2	+1	NNW	2	fbo	42	92	3	<150	St	10	–	10	0
Dungeness	1032.5	+1	NE	2	b	42	97	6	–	–	0	ASt	9	2
Jersey 7h / Guernsey 1h	1031.0	0	NE	2	o	46	85	6	4000	StCu	10	–	10	0

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

Stations	Weather Forenoon	Weather Afternoon	Temp. Min. Night 11th (°F.)	Temp. Max. Day 12th (°F.)	Rainfall Night 17h.-9h. 11th-12th (mm.)	Rainfall Day 9h.-17h. 12th (mm.)	Sunshine (hr.)	Sunshine Sunrise to Sunset 12th (hr.)
Banff								
Montrose	*	*	34	50	–	–		3.3
Llandudno	cb	c	34	52	–	–		2.8
Colwyn Bay	bc	bc	40	52	–	–		4.0
Rhyl	bc	c	38	50	–	–		1.5
Southport	oco	o	37	46	–	–		0.1
Blackpool	oz	oz	36	47	–	–		0.0
Harrogate	bc	bcco	32	45	–	–		1.5
Skegness	ob	obm	40	45	–	–		1.0
Aberystwyth	oo	oo	35	48	–	–		0.2
Bath	mb	bm	28	45	–	–		2.7
Leamington Spa	of	of	28	36	–	–		0.6
Lowestoft	oco	o	44	48	–	–		0.0
Felixstowe	om	ofz	43	48	–	–		0.0
Southend	o	o	43	48	–	–		0.0

Stations	Weather Forenoon	Weather Afternoon	Temp. Min. Night 11th (°F.)	Temp. Max. Day 12th (°F.)	Rainfall Night 17h.-9h. 11th-12th (mm.)	Rainfall Day 9h.-17h. 12th (mm.)	Sunshine (hr.)	Sunshine Sunrise to Sunset 12th (hr.)
Paignton	bm	bcbbm	28	50	–	–		6.4
Ilfracombe	b	bbcc	39	52	–	–		7.4
Bude	o	o	33	52	–	–		2.4
Penzance	bb	bc	39	54	–	–		7.2
Falmouth Observatory	c	bc.o	38	54	–	–		7.2
Torquay	*	*	36	52	–	–		6.7
Weymouth	b	bm	34	49	–	–		6.9
Bournemouth	b	b	32	46	–	–		6.7
Portsmouth (S'thsea)	b	b	35	54	–	–		7.0
Worthing	b	b	38	51	–	–		7.6
Brighton	fob	bbo	40	52	–	–		5.5
Eastbourne	o	o	48	51	–	–		0.0
Hastings	oc	com	44	51	–	–		0.4
Folkestone	o	o	44	51	–	–		0.1
Tunbridge Wells	omo	oom	41	48	–	–		0.0
Ramsgate	om	om	43	48	–	–		0.0
Margate	o	o	45	48	–	–		0.0
Deal	mo	oom	44	48	–	–		0.0

* 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. 22272 Tuesday, 14th November 1922.

Observations at 1300 G.M.T. 13th.

STATIONS.	Barom. at M.S.L. m.b	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	State of ground.
Lerwick	1024·1	+2	WSW	2	bc	48	85	7	-	-	0	Ci St	5	*
Stornoway	1025·3	+2	WSW	3	o+	50	75	6	800	St	10	-	10	*
Wick	1026·0	+1	-	0	o⊕	51	92	8	-	-	0	Ci St	10	*
Castlebay	*													*
Nairn	*													*
Aberdeen	1027·0	+1	W'S	1	o-	55	75	6	4000	St Cu	1	A St	9	0
Malin Head	1027·3	+1	S	1	mbc-	54	92	6	-	-	0	Ci	5	*
Renfrew	1028·8	+1	S	3	od₀	51	97	5	450	Nb	10	-	10	1
Edinburgh (Inchkeith)	1027·2	-1	W	4	od₀	51	85	7	-	St	2	A Cu	10	*
Leuchars	1027·3	+1	SW	2	o	52	85	7	2500	St	8	A St	10	0
Eskdalemuir	1029·5	0	SSW	3	od₀	48	97	3	<150	Nb	10	-	10	2
Tynemouth	1029·3	0	W	1	c/f	50	92	5	-	-	0	A St	8	*
Blacksod Point	1027·6	-2	SW	4	bc/f	54	92	7	-	St	6	-	6	*
Donaghadee	1028·9	+1	W	2	o	53	92	8	-	-	0	A St	10	*
Birr Castle	1030·1	*	S	1	o	56	85	8	4000	Cu	9	-	9	*
Holyhead	1031·2	+0	SSW	4	o	52	92	6	800	St Cu	10	-	10	1
Liverpool (Bidston)	1031·6	+1	S	1	bc-	51	85	4	4000	St Cu	3	Ci St	6	*
Chester (Shotwick)	1031·8	-0	SE	2	o/f	53	75	6	2500	St	4	A Cu	10	0
Spurn Head	1032·0	+1	SW	3	bc	48	85	8	-	-	0	Ci	6	*
Nottingham	1033·4	*	W	2	fc+	47	75	2	800	St	8	-	8	*
Cranwell	1032·2	-1	WSW	3	bc	48	75	6	-	-	0	Ci	6	0
Gorleston	1032·6	0	NNW	1	mc-	46	75	6	4000	St Cu	8	-	8	*
Valencia (Cahirciveen)														
Roches Point														*
Pembroke (St. Ann's H.)	1033·1	0	S	3	o	50	75	8	4000	St Cu	10	-	10	*
Ross-on-Wye	1032·7	-1	SW'W	1	o	44	85	6	1500	St	10	-	10	1
Benson	1033·4	-2	NNW	1	b/f	46	75	7	*	*	0	Ci	2	1
Andover	1033·0	-1	NNE	1	bo	46	75	6	-	-	0	-	0	1
S. Farnborough	1033·2	-2	-	0	b	48	75	6	-	-	0	-	0	1
London (Kew Obsy.)	1033·2	-2	-	0	b	46	75	6	-	-	0	-	0	1
Croydon	1033·3	-1	-	0	ffb	39	97	3	-	-	0	-	0	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1033·0	-1	W'N	1	mmo	47	75	5	2500	St	10	-	10	*
Grain	1033·3	0	NNE	1	mmo	46	85	5	1500	St	10	-	10	1
Lympne	1032·3	-1	NNE	3	bc-	46	85	6	800	St	4	-	4	0
Scilly (St. Mary's)	1032·5	0	E'N	1	o-	51	75	8	4000	St Cu	9	-	9	*
Falmouth (Pendennis)	1033·0	0	E	2	bc-	47	85	7	2500	St	5	-	5	*
Plymouth (Cattewater)	1032·3	-1	E	1	b	47	75	7	-	-	0	-	0	0
Portland Bill	1032·2	+1	NE	3	b	45	75	6	-	-	0	-	0	*
Southampton (Calshot)	1033·0	-1	NNE	1	b/f	47	75	6	-	-	0	-	0	0
Dungeness	1032·3	-2	NE	2	b	48	92	6	-	-	0	-	0	*
Jersey 7h	1030·9	-0	NE	4	bc	49	75	8	4000	St Cu	4	-	4	*
Guernsey 1h														

Observations at 1800 G.M.T. 13th.

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1025·4	+1	WSW	2	b-	45	92	7	-	-	0	A Cu	3	1
Stornoway	1025·9	0	WSW	3	o	49	92	6	800	St	10	-	10	2
Wick	1026·5	+1	SW	2	c-	44	92	8	-	-	0	Ci St	7	0
Castlebay	*													
Nairn	1027·4	*	-	0	bc-	45	92	8	4000	Cu	4	-	4	*
Aberdeen	1028·2	+2	WNW	1	b-	45	97	5	-	-	0	A St	3	0
Malin Head	1027·2	0	S	2	c1	52	97	6	5700	St Cu	5	A Cu	7	5
Renfrew	1029·8	+2	SW	2	mmo	50	97	4	800	St	10	-	10	*
Edinburgh (Inchkeith)	1028·8	+2	SW	1	mo-	49	97	6	*	St	10	-	10	1
Leuchars	1028·4	+2	-	0	b-	44	97	6	-	-	0	-	0	*
Eskdalemuir	1030·5	+2	-	0	ffo	47	97	0	450	St	10	-	10	*
Tynemouth	1030·5	+2	-	0	o	52	85	5	4000	St	3	A St	10	0
Blacksod Point														
Donaghadee	1028·5	+1	SSW	1	o	52	97	7	-	-	0	A St	10	0
Birr Castle	1030·1	*	S	1	o	55	92	6	4000	St Cu	9	-	9	*
Holyhead	1032·0	+2	SSW	4	od₀	51	97	6	450	Nb	10	-	10	2
Liverpool (Bidston)	1032·3	+1	SSW	1	o+	49	85	6	2500	St Cu	7	A St	10	2
Chester (Shotwick)	1032·3	+1	-	0	fo	50	85	3	2500	St Cu	9	-	9	*
Spurn Head	1032·0	0	SSW	2	b	42	92	5	-	-	0	-	0	3
Nottingham	1033·1	*	W	1	b	41	92	5	-	-	0	-	0	*
Cranwell	1033·1	+1	SW'W	1	b	37	97	5	-	-	0	-	0	*
Gorleston	1033·3	0	-	0	mmb	42	92	6	4000	St	3	-	3	0
Valencia (Cahirciveen)	1030·6	+2	SSE	2	ffo	54	97	3	*	St	10	-	10	*
Roches Point														
Pembroke (St. Ann's H.)	1033·2	0	S	2	bc	49	85	8	4000	St Cu	5	-	5	2
Ross-on-Wye	1032·9	+1	-	0	b-	41	92	3	800	St	1	-	1	*
Benson	1033·6	+1	-	0	b-	32	97	7	-	-	0	-	0	*
Andover	1033·6	+1	NE	1	b-	38	97	6	-	-	0	-	0	*
S. Farnborough	1034·0	+2	-	0	mmb	34	92	5	-	-	0	-	0	*
London (Kew Obsy.)	1034·1	+2	-	0	Fb+	37	97	1	-	-	0	-	0	*
Croydon	1033·7	+1	SSW	2	ffo	36	97	3	225	St	10	-	10	*
Clacton-on-Sea	1033·4	+2	NNW	2	b	43	92	3	2500	St	3	-	3	0
Shoeburyness	1033·4	0	-	0	mb+	40	85	4	-	-	0	-	0	*
Grain	1034·0	+2	NNW	2	mb+	37	97	4	-	-	0	-	0	0
Lympne	1033·0	+2	NNE	2	b	38	97	4	-	-	0	-	0	*
Scilly (St. Mary's)	1033·3	+1	ENE	1	o+	48	85	8	4000	St Cu	10	-	10	2
Falmouth (Pendennis)	1033·7	+1	NNE	2	bc	45	85	7	4000	St Cu	3	Ci Cu	5	0
Plymouth (Cattewater)	1033·2	+1	E	1	b	42	85	6	-	-	0	Ci St	2	0
Portland Bill	1032·7	0	NE	3	b	42	85	7	-	-	0	-	0	1
Southampton (Calshot)	1033·7	+2	NNW	1	mb+	43	92	6	-	-	0	-	0	0
Dungeness	1033·1	+2	ENE	1	o/f	48	97	6	450	St	10	-	10	1
Jersey 7h	1030·9	0	NE	3	o	46	85	8	1500	St	10	-	10	3
Guernsey 1h														

LONDON OBSERVATIONS

24 HOURS ENDED 0900 G.M.T. 14th.

	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.
Kew	omwbz	bmwbf	ofxofis	*	*	26	-	0.1	4.1	*	*
Croydon } 24 hours ended 0700	ooFF	bfoe	obfex	*	*	25	Tr	Tr.	0.0	*	*
Greenwich (Royal Obsy.)	bzm	bzmf	bfx	46	28	26	-	Tr.	0.6	85	97
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*	44	31	30	-	-	0.0	90	96
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	3.5	*	*
Camden Square	b	o	o	42	35	31	-	-	*	84	94
Kensington Palace	o	o	ofx	45	33	27	-	-			97
Hampstead Observatory	bco	of	ok	46	30	29	-	Tr.	5.0	*	100

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington

Max.	Time.	Min.	Time.
5·0	18h. 12th	<0.3	8h. 13th
1·3	13h. 13th		

Kew Observatory

Max.	Time.	Min.	Time.
1·4	18h. 12th	0.2	12h. 13th
0·6	9h. 13th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 13th. 17h. 15m. to 14th. 06h. 15m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13.00	5.04	39
δ Ursae Minoris	13.00	0.00	Nil

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 today in 1300 & 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 sec.	Strength.	Direc.
18h.				
18h.	C	5	-	180°
01h.	C	0	-	140
07h.	C	2	-	-

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

14th. & 15th. November, 1922.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.14 / 7.16	11.58 / 11.58	4.2 / 4.0
Greenwich	7.18 / 7.20	11.49 / 11.49	4.12 / 4.10
Wick	8.0 / 8.3	11.37 / 11.57	3.33 / 3.51
Valencia	8.1 / 8.3	12.26 / 12.26	4.51 / 4.49

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.
jp precipitation within sight of station.
p passing showers * 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.
r₀r₀ = continuous light rain.

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.

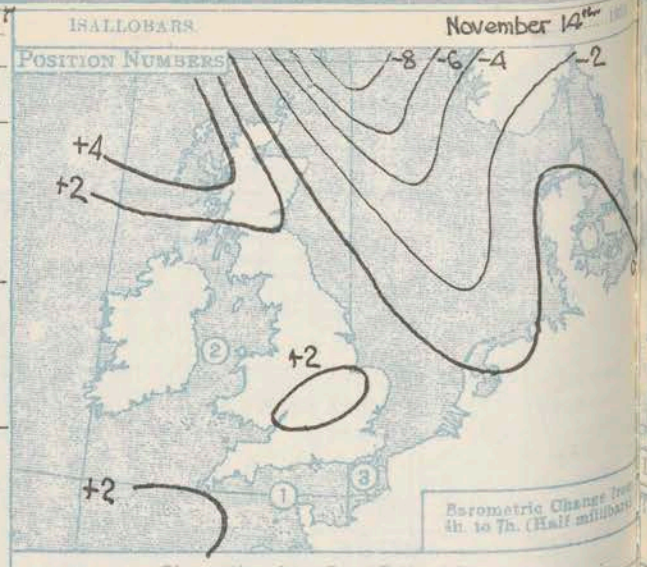
0 = no swell } Calm or slight sea.
1 = mod. swell
2 = heavy swell
3 = no swell } Moderate sea.
4 = mod. swell
5 = heavy swell
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

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. 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. Hours.
Lerwick	bc	bc	ov	omp	48	44	•	–	4	–	<2100	•
Stornoway	c	oo	rord	rd	50	46	•	–	4	–	–	0.0
Wick	o	c	o	op	51	43	•	–	0.6	–	04.30	•
Castlebay							•					
Nairn	oge	cbc	cg	cg	52	44	•	–	–	–	–	0.0
Aberdeen	om	obme	bmw	bm	56	38	31	–	–	–	–	0.5
Malin Head	Ffm	bmcoe	og id	cd,co	55	51	•	–	0.5	–	22.00	3.1
Renfrew	omid	oid,m	omid	omp,c	52	50	49	0.2	1	–	<2100	0.0
Edinburgh (Inchkeith)	id	id	o	p	52	48	45	Trace	Trace	–	06.30	0.2
Leuchars	o	f-m	bbc	bbc	53	42	33	–	–	–	–	0.3
Eskdalemuir	od,m	odmfe	ofeod	odorm	48	46	46	2	2	0800	<2100	0.0
Tynemouth	FF	oom	obcff	bm	53	44	37	–	–	–	–	•
Blacksod Point ...	f-m						•					•
Donaghadee	o	o	omp	c	54	51	•	–	Trace	–	–	•
Birr Castle ...	co	co			58			–		–		
Holyhead	ocoom	omdd	od,d,dd	od,tm	53	49	49	Trace	1	1530	<2100	0.0
Liverpool (Bidston) ...	bcem	c	omf		52	40	34	–	–	–	–	2.7
Chester (Shotwick) ...	bcom	oxm	ocbcf	bcbf	54	35	30	–	–	–	–	•
Spurn Head	b-bc	bcm	form	F	49	40	•	–	–	–	–	4.1
Nottingham	f-m	bm	mf	F	49	31	31	–	–	–	–	3.5
Cranwell	bcmxc	c	bm	bm	49	36	31	–	–	–	–	6.8
Gorleston	om	ombm	bfe	bfex	47	31	29	–	–	–	–	4.4
Valencia (Cahirciveen)		rf	od									
Roches Point							•					•
Pembroke (St. Ann's H.)	oco	oc	o	o	52	45		–	–	–	–	0.9
Ross-on-Wye	om	omcmb	bmwfe	ffex	45	29	27	–	0.1	–	–	0.0
Benson...	ofb	b	b	bfx	49	25	19	–	–	–	–	•
Andover	ormcbm	bm	bmx	bmxbfx	48	24	18	–	–	–	–	7.0
S. Farnborough ...	b-bc	bzm	bmoff	offx	50	27	23	–	Trace	–	–	•
London (Kew Obsy.)...	ombz	bmwbfm	o fx	ofbfis	46	31	26	–	0.1	–	–	4.1
Croydon	oaff	bfoe	obffe	bfefex	41	30	25	Trace	Trace	–	–	0.0
Clacton-on-Sea ...	cbem	bem	bcem	coqmx	47	32	29	–	–	–	–	3.7
Shoeburyness	bmom	bmem	bffq	offq	47	27	23	Trace	0.1	–	–	1.7
Grain	ombmo	ombmx	bfmfx	xmofe	46	27	24	–	Trace	–	–	1.3
Lympne	fm	bm	form	form	48	37	26	–	Trace	–	–	4.8
Scilly (St. Mary's) ..	oc	co	bcc	c	53	43	•	–	–	–	–	0.5
Falmouth (Pendennis)	ocbc	bc	b	b	49	37	•	–	–	–	–	3.6
Plymouth (Cattewater)	bf	bbcc	b	bm	49	36	26	–	–	–	–	6.8
Portland Bill	b-bc	b-bc	bbc	bbc	47	35	•	–	–	–	–	•
Southampton (Calshot)	ofbfbm	f-m	F	ofe	49	31	29	–	–	–	–	4.3
Dungeness	bz	bzbf	o	o	49	41	•	–		–	–	•
Jersey 7h. ..	obc	pc	bbc	bwo	50	38	•	–	C	–	–	4.5
Guernsey 1h.												



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	13th. 10h	Ibernia	SSW	4	o'cast	54	53	7
3	14th. 3h	Dieppe	E	2	o'cast	41	51	5

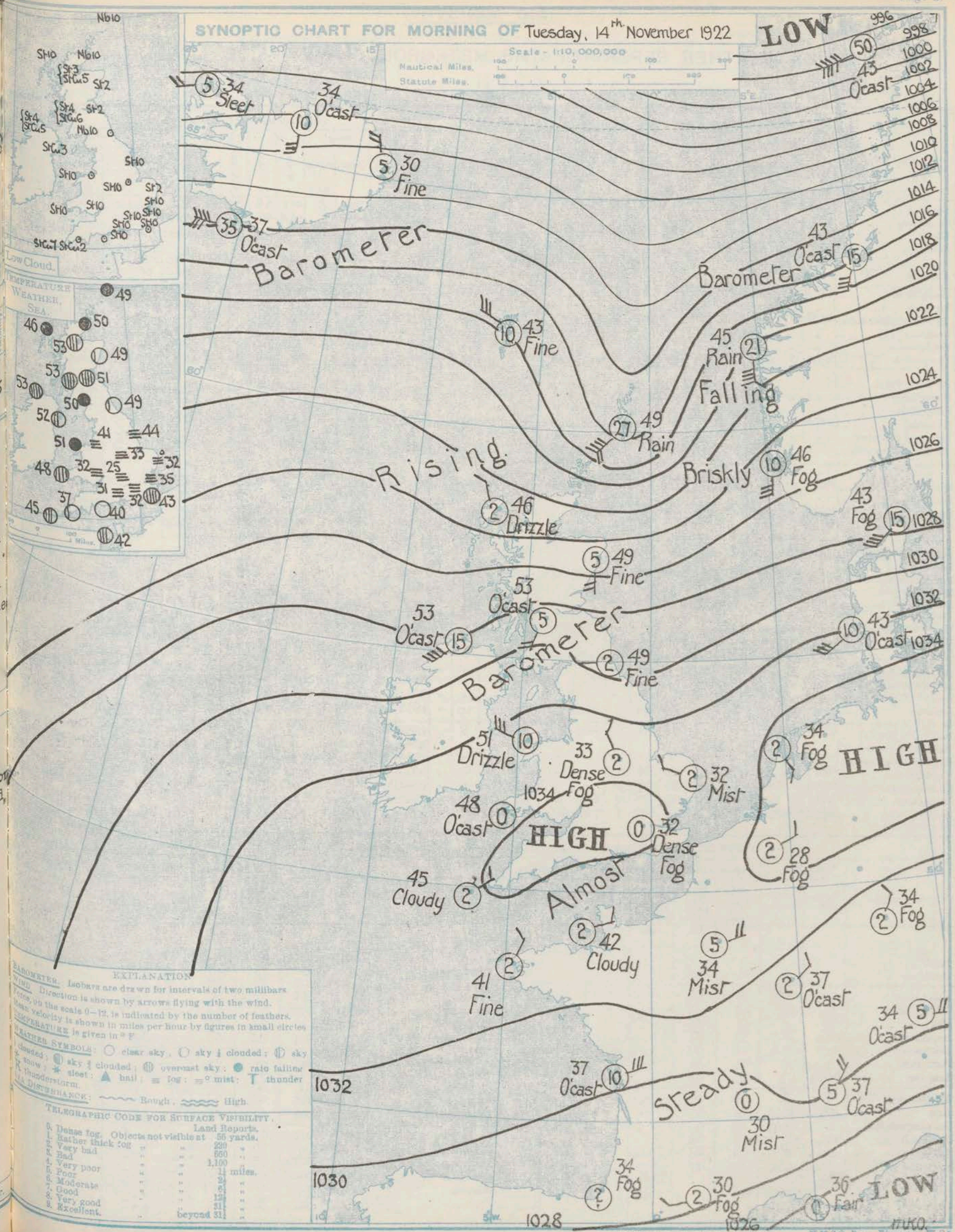
GENERAL INFERENCE.

The anticyclone persists over England where weather will continue fair and quiet but with much inland fog and night frosts. In Ireland and Scotland further secondary depressions are likely to cause rain or drizzle in places.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 14th November, 1922.	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	Calm or light variable winds; foggy, with fair periods during the middle of the day near the coast; rather cold, night frosts inland.	Similar conditions persisting beyond the 24 hours.
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind W or SW light ot moderate; variable sky, slight rain in places; visibility mainly good; rather mild.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind SW to S light or moderate; cloudy, slight rain in places; visibility mainly good but some inland mist; rather mild.	

E.9.B

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION...Tuesday, 14th November.....1922. No. 318.

Observations at 0100 G.M.T.....14th.....

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1023.1	-3	SW	4	OY+	49	92	7	4000	Nb	10	-	10	•
Stornoway	1022.2	-5	SW	5	OYY	•	•	4	•	•	•	•	•	•
Wick	1022.4	-5	SSW	4	0	48	97	8	-	-	0	ACu	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1027.0	0	SSW	3	od+	53	97	6	1500	St	10	-	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1028.3	-1	SW	2	o/m	49	92	8	-	-	0	ASt	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1030.8	0	WSW	1	b/f	46	92	6	-	-	-	0	0	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1032.6	+1	SW	3	od-	50	97	8	<150	Nb	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1032.8	0	SW	2	FFo	42	92	2	800	St	10	-	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1032.8	0	W	3	mb+	39	97	4	-	-	0	-	0	•
Gorleston	1033.4	0	W'S	1	Fb+	37	97	0	-	-	0	-	0	•
Valencia (Cahirciveen)	1031.8	+1	-	0	oD-	52	97	2	4000	St	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1033.5	0	S	2	0	49	75	8	4000	StCu	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	32	•	•	•	•	•	•	•	•
Croydon	1034.1	0	-	0	FFb	31	97	0	-	-	0	-	0	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1028.2	0	NE	3	0	40	97	5	800	St	10	-	10	•
Scilly (St. Mary's) ...	1033.1	0	E	1	c	46	85	7	4000	StCu	8	-	8	•
Falmouth (Pendennis)														•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1032.7	0	NE	4	b	39	85	6	-	-	0	-	0	•
Southampton (Calshot)	1033.8	0	NW	3	FFb	33	97	2	-	-	0	-	0	•
Dungeness	1033.1	0	ENE	2	bc-	43	97	7	800	St	6	-	6	•
Jersey 7h }	1032.6	+1	ENE	4	bc	48	85	7	1200	StCu	3	ACu	5	•
Guernsey 1h }														

Observations at 0700 G.M.T.....14th.....

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1015.8	-8	SW	6	OYY	49	97	6	2500	Nb	10	-	10	5
Stornoway	1022.3	+5	NNW	1	odd	46	92	5	450	St	10	-	10	0
Wick	1021.1	0	SW	2	OY°	50	92	8	2500	Nb	10	-	10	0
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	1023.5	•	WSW	2	c+	53	75	8	1500	StCu	8	-	8	•
Aberdeen	1025.8	+2	S'W	2	b	49	97	6	1500	St	2	ACu	3	0
Malin Head	1028.0	0	SW	4	O/Y	53	92	7	2500	StCu	9	-	9	5
Renfrew	1029.1	+1	SSW	2	0	53	85	7	1500	StCu	10	-	10	•
Edinburgh (Inchkeith)	1028.0	+2	SW	2	0	51		8	-	CuNb	10	-	10	2
Leuchars	1028.4	0	SW	3	b	52	92	8	1500	St	3	-	3	•
Eskdalemuir	1030.2	0	SW	4	OYY	50	97	4	<150	Nb	10	-	10	•
Tynemouth	1029.8	0	W	1	b	49	85	5	-	-	0	ACu	2	0
Blacksod Point ...	1031.2	+1	SW	1	bo+	52	97	7	4000	StCu	3	ACu	4	0
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1032.3	0	WNW	3	od°	51	97	7	<150	St	10	-	10	2
Liverpool (Bidston) ...	1032.5	0	SSE	1	Fb-	41	97	2	-	-	0	-	0	2
Chester (Shotwick) ...	1033.3	0	SE	2	FFb	36	97	2	1500	St	3	-	3	•
Spurn Head	1032.4	0	SW	3	FFo	44	92	2	450	St	10	-	10	3
Nottingham	1033.8	•	NNW	1	FFo	33	97	0	<150	St	10	-	10	•
Cranwell	1033.3	+2	W'S	3	b	37	97	4	-	-	0	CiCu	2	•
Gorleston	1033.5	0	WNW	1	mb-	32	97	4	2500	St	2	-	2	0
Valencia (Cahirciveen)														
Roches Point														
Pembroke (St. Ann's H.)	1033.7	0	-	0	0	48	92	8	2500	St	10	-	10	2
Ross-on-Wye	1034.1	+2	-	0	FFo	32	97	1	<150	St	10	-	10	•
Benson...	1034.6	0	-	0	FFb	25	97	1	-	St	10	-	10	•
Andover	1035.4	0	-	0	FFb	24	97	1	-	-	0	-	0	•
S. Farnborough ...	1034.9	+1	-	0	FFo	31	97	1	<150	St	10	-	10	•
London (Kew Obsy.) ...	1035.0	+1	-	0	FFo	32	97	0	<150	St	10	-	10	•
Croydon	1034.6	+1	-	0	FFb	33	97	0	-	-	0	-	0	•
Clacton-on-Sea ...	1033.8	+1	NNW	3	Fo-	35	97	3	2500	St	10	-	10	0
Shoeburyness	1034.2	+1	N'E	1	Fo	34	92	3	1500	St	10	-	10	•
Grain	1034.1	0	W	2	Fo-	36	97	3	800	St	10	-	10	0
Lympne	1033.5	+1	NNE	2	o	40	92	5	800	St	10	-	10	•
Scilly (St. Mary's) ...	1033.6	0	NE'E	1	c	45	85	7	4000	StCu	7	-	7	2
Falmouth (Pendennis)	1034.3	0	NNE	2	b	37	97	7	4000	StCu	2	-	2	0
Plymouth (Cattewater)	1034.4	+3	-	0	b	31	97	7	-	-	0	-	0	0
Portland Bill	1032.7	0	NE	3	b	40	85	6	-	-	0	-	0	0
Southampton (Calshot)	1034.6	+1	NE	2	Fb+	37	97	1	<150	St	10	-	10	0
Dungeness	1033.9	+1	NE	3	o	43	92	7	-	-	0	ASt	10	3
Jersey 7h }	1032.3	0	ENE	1	c	42	97	8	4000	StCu	7	ACu	8	0
Guernsey 1h }														

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 12th. °F.	Temperature. Max. Day. 13th. °F.	Rainfall.† Night 17h.-9h. 12th-13th mm.	Rainfall.† Day 9h.-17h. 13th mm.	Sunshine. br.	Sunshine. Sunrise to Sunset. 13th hr.
Banff								
Montrose	*	*	46	54	-	-		1.2
Llandudno	bcq	oc	39	54	-	-		2.3
Colwyn Bay ...	bc	bc	43	53	-	-		4.6
Rhyl	bc	c	40	55	-	-		3.6
Southport	oco	oco	39	52	-	-		0.7
Blackpool	oq	md	40	52	-	0.1		0.0
Harrogate	b	b	36	51	-	-		6.5
Skegness	mbcb	b	30	47	-	-		6.4
Aberystwyth ...	o	o	45	51	-	-		0.0
Bath	mb	bbcc	28	48	-	-		4.0
Leamington Spa ...	c	bcm	28	46	-	-		2.3
Lowestoft	bco	ocbbc	39	46	-	-		4.2
Felixstowe	bm	bf	38	48	-	-		4.4
Southend	gbcc	com	39	47	-	-		2.6

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 12th. °F.	Temperature. Max. Day. 13th. °F.	Rainfall.† Night 17h.-9h. 12th-13th mm.	Rainfall.† Day 9h.-17h. 13th mm.	Sunshine. br.	Sunshine. Sunrise to Sunset. 13th hr.
Paignton	cbcm	bcbbm	32	48	-	-		5.4
Ilfracombe	o	o	39	49	-	-		0.0
Bude	co	coo	33	49	-	-		0.7
Penzance	bbc	cbz	39	52	-	-		1.0
Falmouth Observatory	ombcb	bbm	37	54	-	-		3.6
Torquay	mbbc	b	34	48	-	-		5.7
Weymouth	cb	bm	36	47	-	-		5.4
Bournemouth ...	obb	bb	35	47	-	-		5.2
Portsmouth (S'thsea)	om	cbb	42	50	-	-		3.8
Worthing	b	b	39	47	-	-		5.0
Brighton	obo	bbf	42	47	-	-		4.4
Eastbourne	oc	cbc	42	48	0.1	-		2.4
Hastings	omcbc	bcbm	41	50	-	-		5.0
Folkestone	fmb	bmf	38	49	-	-		3.8
Tunbridge Wells ...	bmbcb	bcbm	39	46	-	-		4.3
Ramsgate	mbcb	bbcf	40	50	-	-		3.4
Margate	o	c	41	47	-	-		1.2
Deal	mbc	bc	35	48	-	-		4.0

* The symbols 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.22273 Wednesday, 15th November 1922.

Observations at 1300 G.M.T. 14th.

Stations.	Barom. at M.S.L. m.b	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	State of ground.
Lerwick	1025.1	+9	NNW	5	b	45	65	7	4000	Cu	1	-	1	*
Stornoway	1030.7	+7	NNW	3	bc	49	75	6	4000	Cu	5	-	5	*
Wick	1028.4	+6	NNW	2	b/r	48	85	8	5700	Cu	1	A.Cu	3	*
Castlebay	*													*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1028.1	+3	W'N	3	or.	52	92	6	1500	Nb	10	-	10	0
Malin Head	1032.3	+5	NW	3	cjp	51	92	8	1500	St.	5	Ci.Cu	7	*
Renfrew	1030.6	+0	WSW	3	o/r	53	85	6	800	St.	10	-	10	2
Edinburgh (Inchkeith)	1029.7	+2	SW	3	o	50	97	6	-	St.Cu	10	-	10	*
Leuchars	1028.8	+2	SW	3	bc	54	85	7	4000	St.Cu	4	A.St.	5	5
Eskdalemuir	1031.4	+1	W	4	o	52	85	7	1500	St.Cu	10	-	10	2
Tynemouth	1031.2	0	W	1	b/f	56	75	6	4000	Cu	3	-	3	*
Blacksod Point														*
Donaghadee	1032.8	+2	WNW	2	o+	53	97	8	2500	St.	6	A.Cu	9	*
Birr Castle	1035.0	*	SW	1	bc/r	56	75	8	4000	StCu	3	Ci.Cu	6	*
Holyhead	1034.9	+0	SSW	3	o-	52	97	7	4150	St.	10	-	10	2
Liverpool (Bidston)	1034.5	+1	SW	1	o/r	51	92	5	1500	Nb	10	-	10	*
Chester (Shotwick)	1034.5	+1	-	0	o/f	51	92	4	1500	St.	6	A.St	10	6
Spurn Head	1033.8	+1	WSW	3	ffo	48	92	2	800	St.	3	A.Cu	9	*
Nottingham	1034.4	*	W	2	fo+	42	97	1	225	St.	10	-	10	*
Cranwell	1033.7	-1	WSW	2	mb	44	97	4	-	-	0	-	0	5
Gorleston	1033.9	0	WNW	1	mmb	45	85	5	-	-	0	-	0	*
Valencia (Cahirciveen)	1036.5	+1	-	0	bE	55	85	8	-	Cu	2?	Ci?	5?	*
Roches Point														*
Pembroke (St. Ann's H.)	1035.4	0	-	0	fo	50	97	3	4150	St.	10	-	10	*
Ross-on-Wye	1034.9	0	-	0	ffo	42	97	1	4150	St.	10	-	10	1
Benson	1036.8	0	-	0	ffo	32	97	1	-	St.	10	-	10	1
Andover	1035.3	0	-	0	ffo	35	97	1	4150	St.	10	-	10	1
S. Farnborough	1035.3	0	-	0	fo+	36	97	1	4150	St.	10	-	10	1
London (Kew Obsy.)	1035.4	-1	W	1	ffo	34	97	0	4150	St.	10	-	10	1
Croydon	1035.5	+1	-	0	ffo	36	97	1	4150	St.	10	-	10	1
Gleacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1034.8	+1	NW	1	mo-	42	85	4	1500	St.	10	-	10	*
Grain	1035.1	0	-	0	mo-	42	92	5	1500	St.	10	-	10	1
Lympne	1034.1	-1	NE	2	o-	43	85	6	800	St.	9	-	9	1
Scilly (St. Mary's)	1035.4	+2	NE'E	2	c	50	75	7	4000	St.Cu	7	-	7	*
Falmouth (Pendennis)	1035.7	-1	NNE	2	Ct	47	85	6	-	St.Cu	7	-	7	*
Plymouth (Cattewater)	1034.8	-1	NNW	1	fb-	47	85	2	4000	Cu	1	-	1	2
Portland Bill	1035.0	+2	NE	3	b+	45	75	6	-	-	0	Ci.St	2	*
Southampton (Calshot)	1035.3	0	NNW	2	fo-	39	97	3	4150	St.	10	-	10	5
Dungeness	1034.5	-1	NE	2	o	45	85	6	2500	St.	2	A.St	10	*
Jersey	1032.9	0	NE	3	c	49	85	8	4000	StCu	8	.	8	*

Observations at 1800 G.M.T. 14th.

Stations.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1030.1	+3	NW	3	b	43	75	7	5700	StCu	3	.	3	2
Stornoway	1034.9	+4	NNW	2	b-	44	85	7	-	-	0	.	0	1
Wick	1033.7	+5	W	2	bc	41	97	6	4000	Cu	3	Ci	6	0
Castlebay														
Nairn	1035.0	*	-	0	bc-	43	92	8	1500	St	4	-	4	*
Aberdeen	1035.1	+6	NW	2	c-	46	92	7	1500	St	7	-	7	0
Malin Head	1035.9	+3	NNW	1	c	49	92	7	1500	St	5	Ci.Cu	7	5
Renfrew	1034.8	+6	WSW	2	bc-	45	92	6	1500	St	4	-	4	*
Edinburgh (Inchkeith)	1033.3	+4	SW	2	mmbc	49	92	6	*	St	6	-	6	1
Leuchars	1034.1	+8	NE	1	o/r	48	97	7	1500	StCu	10	-	10	*
Eskdalemuir	1034.6	+5	-	0	bc-	46	85	6	2500	StCu	5	-	5	*
Tynemouth	1034.0	+4	W	1	o	53	85	7	4000	StCu	10	-	10	0
Blacksod Point														
Donaghadee	1035.8	+3	-	0	o+	50	92	8	4000	StCu	6	ACu	10	0
Birr Castle	1036.9	*	NW	1	o+	53	92	6	2500	StCu	9	-	9	*
Holyhead	1037.4	+5	SW'W	2	o	51	97	5	4150	St	10	-	10	1
Liverpool (Bidston)	1036.6	+3	W	2	c-	50	85	7	2500	St	8	-	8	2
Chester (Shotwick)	1036.3	+4	NW	1	ffc	48	97	2	5700	StCu	4	ACu	8	*
Spurn Head	1034.8	+1	W'N	3	Fo+	46	92	1	-	-	0	-	0	2
Nottingham	1036.2	*	-	0	FFo	42	97	0	4150	St	10	-	10	*
Cranwell	1035.2	+2	W	3	mmbc	44	97	4	-	-	0	ACu	4	*
Gorleston	1035.5	+1	NW	1	mb+	42	92	4	-	-	0	-	0	0
Valencia (Cahirciveen)	1037.7	+3	-	0	bc	52	85	8	*	St	4	Ci	6	*
Roches Point														
Pembroke (St. Ann's H.)	1036.5	+2	N	1	cd	48	97	7	1500	St	7	-	7	2
Ross-on-Wye	1035.7	+1	-	0	ffo	45	97	2	225	St	10	-	10	*
Benson	1036.6	+2	-	0	ffo	51	97	1	-	St	10	-	10	*
Andover	1035.8	+1	-	0	FFo	37	97	1	4150	St	10	-	10	*
S. Farnborough	1036.6	+2	-	0	Fo+	33	97	1	4150	St	10	-	10	*
London (Kew Obsy.)	1036.3	+1	W	1	FFo	35	97	0	4150	St	10	-	10	*
Croydon	1036.0	+2	-	0	Fo+	35	97	0	4150	St	10	-	10	*
Gleacton-on-Sea	1035.2	+1	WNW	2	fbc+	37	97	2	-	-	0	ASt	4	0
Shoeburyness	1035.3	0	-	0	fo+	34	85	2	-	-	0	-	0	*
Grain	1035.8	+1	-	0	Fo+	33	97	0	4150	St	10	-	10	0
Lympne	1035.2	+2	N	3	bc-	37	97	5	800	St	5	-	5	*
Scilly (St. Mary's)	1035.6	0	NE'E	1	o	49	85	7	4000	StCu	10	.	10	2
Falmouth (Pendennis)	1035.4	+1	NE	3	o+	48	92	7	4000	StCu	10	.	10	0
Plymouth (Cattewater)	1035.5	+1	ENE	1	mb+	42	97	5	-	-	0	-	0	0
Portland Bill	1035.0	0	NE	4	mo+	42	75	4	4150	St	10	-	10	3
Southampton (Calshot)	1035.8	0	N	2	ffo	36	97	3	4150	St	10	-	10	0
Dungeness	1034.8	0	E	3	bc-	43	92	7	1500	St	4	-	4	2
Jersey	1032.9	0	NE	3	bc	46	85	8	4000	StCu	4	-	4	2

LONDON OBSERVATIONS.

	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. 15th.								YESTERDAY.	TO-DAY.	
Kew	ofw	ofw	ofw	*	*	33	Tr	0.1	0.0	*	*
Croydon } 24 hours ended 0700		ofefe	ofew	*	*	29	Tr	Tr.	0.0	*	*
Greenwich (Royal Obsy.)	fw	fw	fw	41	35	34	Tr	Tr.	0.0	98	98
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*	42	34	32	-	-	0.0	94	95
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	0.0	*	*
Camden Square	f	f	*	45	35	35	-	-	*	*	98
Kensington Palace	of	of	of	44	33	33	-	-	*	100	99
Hampstead Observatory	co	ef	ofe	46	30	33	Tr.		0.0	*	97

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington

Max.	Time.	Min.	Time.
4	19-20h. 13th	1.0	5-8h. 14th
3	15h. 14th		

Kew Observatory

Max.	Time.	Min.	Time.
2.1	22h. 13th	0.6	18h. 13th

Pole Star Record at Greenwich Obsy.

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

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13.00	0.0	Nil.
β Ursae Minoris	13.00	0.0	Nil.

Code for state of ground.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2ins. deep.
4 = Bare ground frozen (but more than 2ins. deep.
5 = Dew (or wet grass but not wet ground).
6 = Skating today in 1300 & 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	-	140
13h.	C	5	-	70
01h.	C	6	-	180
07h.	C	6	-	5

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

15th-16th November, 1922.

Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	7.16	11.38	4.0
	7.14	11.36	3.59
Greenwich	7.20	11.46	4.10
	7.21	11.45	4.9
Wick	8.3	11.57	3.51
	8.5	11.54	3.49
Valencia	8.3	12.26	4.49
	8.4	12.26	4.48

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.
jp 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.
roro = continuous light rain.

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

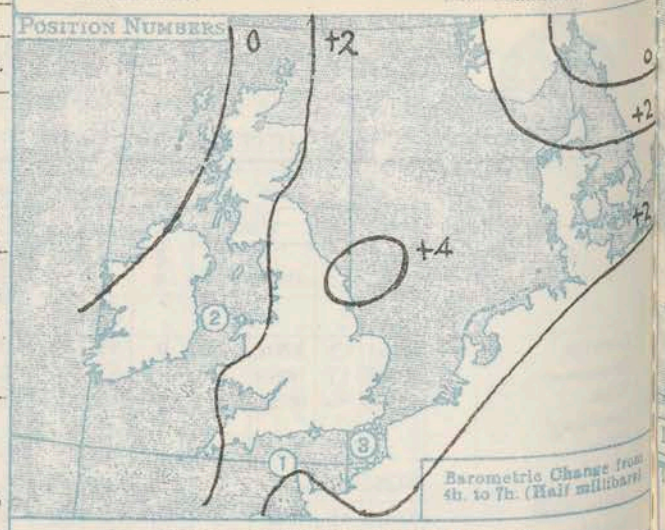
Sea Disturbance.
0 = no swell } Calm or slight sea.
1 = mod. swell
2 = heavy swell
3 = no swell } Moderate sea.
4 = mod. swell
5 = heavy swell
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

[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. 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. Hours.
Lerwick	bc	bcp	b	omy	50	42	•	Trace	0.5	1630	05.30	•
Stornoway	c	b-bc	bbc	b	50	34	•	-	-	-	-	2.2
Wick	r₀r₀m	c	bbc	0	50	34	•	1	-	L0800	-	•
Castlebay							•					
Nairn	iRc	cbc	bcxc	bcq		32	•	2	0.2	0900	-	0.0
Aberdeen	bcmo	pr₀p₀r30	bmx	bxcom	54	34	26	0.2	-	1230	-	1.5
Malin Head	id₀co	pme	b₀cov	cov	53	40		Trace	Trace	0900	2200	1.8
Renfrew	ord₀dmomcbc	becof	oFe		53	38	28	0.6	-	L0800	-	0.6
Edinburgh (Inchkeith)	00	m	bc	bc	52	42	34	-	-	-	-	0.4
Leuchars	b.bc	bccor	obcm		56	34	23	0.1	-	1530	-	3.4
Eskdalemuir	orcmo	obc	bcbo	ocbcb		22	28	0.3	-	L0800	-	1.6
Tynemouth	bcF	c	obcm	bm	56	43	34	-	-	-	-	•
Blacksod Point ...							•					•
Donaghadee	c	0	c	c	54	44	•	-	-	-	-	•
Birr Castle ...	cod₀r	cod₀r	0	oco	58	49	44	0.4	-	L0800	-	•
Holyhead	od₀dom	com	omdocbc	beco	52	49	44	1	Trace	L0800	L2100	0.0
Liverpool (Bidston) ...	od₀	c	o	o	53	41	34	-	-	-	-	0.2
Chester (Shotwick) ...	bbcfom	omcff	cfom	omo	53	43	33	-	-	-	-	•
Spurn Head	form	f-m	form	c	49	41	•	-	-	-	-	2.0
Nottingham	form	F	F	fm	45	40	36	-	Trace	-	04.30	0.0
Cranwell	fm	mm	bF	bF	46	40	34	Trace	Trace	-	-	3.6
Gorleston	bm	bme	bofex	offe	48	38	35	-	Trace	-	-	6.0
Valencia (Cahirciveen)	bc	c	b									
Roches Point							•					•
Pembroke (St. Ann's H.)	00	ofid	oifb	bw	51	44		3	Trace	1230	2400	0.0
Ross-on-Wye	FFe	Ffoff	Fefcwo	gom	45	41	34	0.2	0.1	-	-	0.0
Benson	ff	ff	bff	bfe	34	30	30	-	0.2	-	-	•
Andover	bfx	bffe	bfbm	ofe	38	33	30	0.1	-	-	-	0.0
S. Farnborough ...	oFF	coFfe	offf	oofff	36	31	32	Trace	Trace	-	-	0.0
London (Kew Obsy.) ...	oFW	ofw	ofw	ofw	36	33	33	Trace	0.1	-	-	0.0
Croydon	F	ofeFe	oFeFew	oFefw	37	34	29	Trace	Trace	-	-	0.0
Clacton-on-Sea ...	oqm	ogmcf	bcfm	bcoqm	43	32	31	-	-	-	-	0.2
Shoeburyness	offcom	omcbcb	offe	offex	43	32	29	Trace	Trace	-	-	0.0
Grain	ofgom	omfe	Ffe	Ffe	42	33	31	-	0.1	-	-	0.0
Lympne	b.bc	ocbem	F	F	43	33	28	•	Trace	-	-	0.7
Scilly (St. Mary's) ...	c	co	bc	co	50	47	•	-	-	-	-	0.5
Falmouth (Pendennis)	bbccm	com	om	om	49	43	•	-	-	-	-	3.7
Plymouth (Cattewater)	form	bm	b	bbccw	49	37	31	-	Trace	-	-	4.0
Portland Bill	bbc	bmf	form	fb	45	39	•	-	-	-	-	•
Southampton (Calshot)	off	F	F	Ff	39	35	35	0.1	-	-	-	0.0
Dungeness ...	00	c	o		45	31	•	-	-	-	-	•
Jersey ...	oco	obc	form	bco	50	40	•	-	-	-	-	2.3

ISALLOBARS. November 15th. 1922



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility
2	14th. 10h.	Hibernia	W	2	oc	54	53	8
1	14th. 13h.	Ibex	NE	3	mo	54	54	5
3	15th. 3h.	Brighton	ENE	3	o	49	52	4

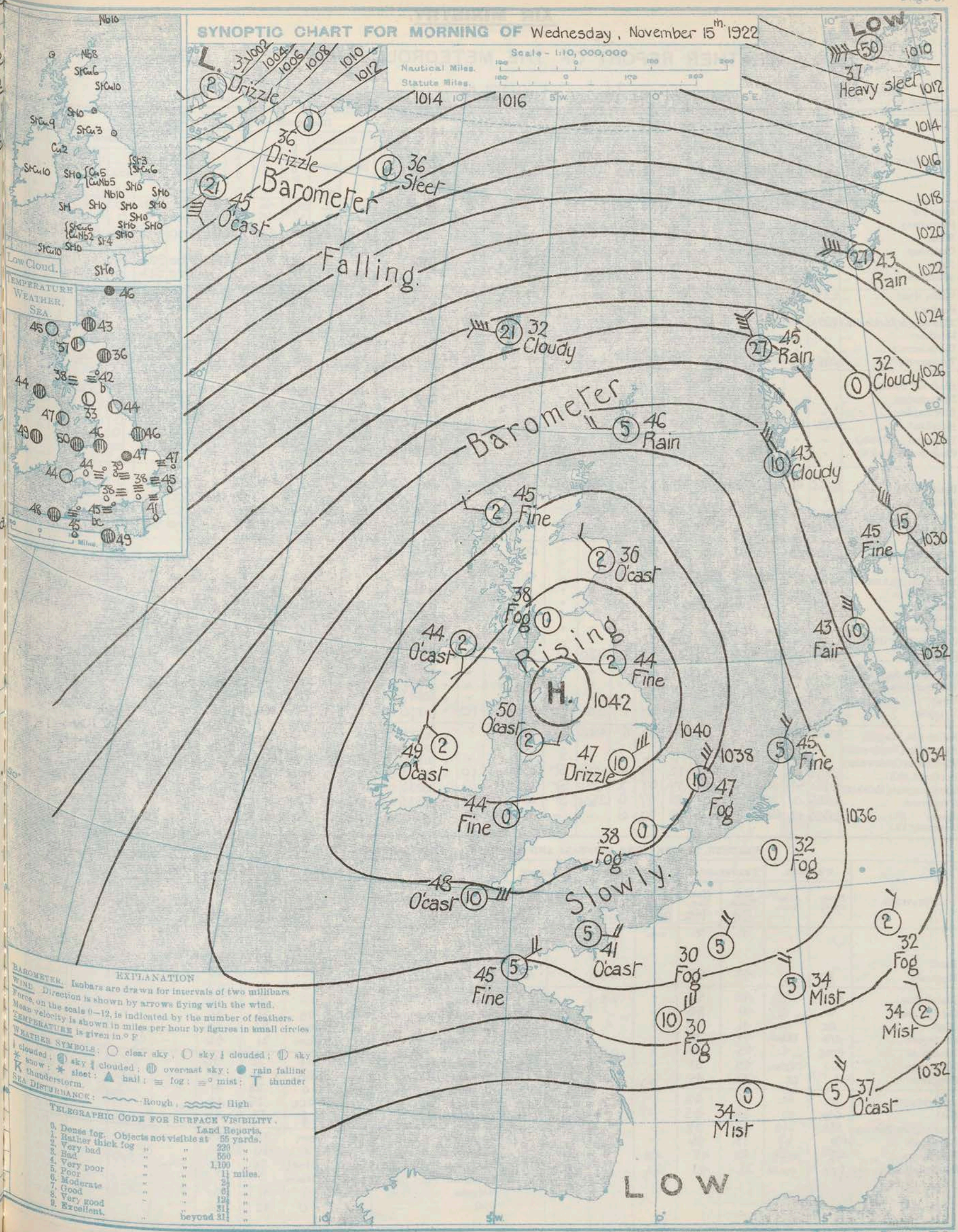
GENERAL INFERENCE.

The large anticyclone which is now centred over Southern Scotland will maintain quiet weather with rather low temperature. There will continue to be much inland fog but conditions are likely to improve somewhat in SE. England.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday 15th November, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind NE light; mainly fair but mist or fog persisting in places; rather milder.	Quiet anticyclonic conditions continuing.
4. W. Midlands. 5. S.W. England	Light NE to E wind; mainly fair; mist or fog in places; moderate temperature.	
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 wind; cloudy to fair; mist or fog in places; moderate temperature.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind SW to W, moderate; cloudy, some rain probably; visibility mainly good; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As for 6 - 13.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0940 GMT. G. C. SIMPSON, F.R.S., Director.

* For Code see opposite page.



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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION...Wednesday, 15th November....1922. No..319..

Observations at 0100 G.M.T.....15th.......

Stations	Barom. at M.S.L. (m.b)	Change in 3 Hours.‡	Wind Direc.	Wind Force (0-12)	Weather.	Temp. (°F.)	Humidity. (%)	Visibility.§ (0-9)	Height of Low Cloud. (Feet)	Low Cloud Form.	Low Cloud Amt. (0-10)	Upper Form.	Total Amt. (0-10)	Sea. (0-9)
Lerwick	1033.6	+1	WNW	2	b	44	85	7	–	–	0	–	0	•
Stornoway	1035.0	+3	–	0	b⁻	•	•	6	•	•	•	•	•	•
Wick	1037.6	+3	WSW	3	b⁻	40	97	8	–	–	0	–	0	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1039.5	+2	–	0	c	47	92	9	4000	St	7	–	7	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1038.6	+5	ESE	1	bc	46	92	8	–	St	5	–	5	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1038.7	+3	NNW	2	b⁻	48	92	6	–	–	0	ASt	2	•
Blacksod Point														
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1039.1	+3	ENE	1	b⁻	50	97	8	2500	St	2	–	2	•
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1036.6	+1	NW'W	3	mo⁻	41	92	5	450	St	10	–	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1037.4	+2	W'N	3	ffo	40	97	3	<150	St	10	–	10	•
Gorleston	1035.9	0	NW	2	FFo	38	94	2	2500	St	10	–	10	•
Valencia (Cahirciveen)	1039.0	+3	–	0	b	47	97	8	–	–	0	–	0	•
Roche's Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1038.3	+1	NE	1	bc/f	45	97	8	–	–	0	–	0	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	•	•	•	•	•	35	•	•	•	•	•	•	•	•
Croydon	1038.6	+1	NNW	2	FFo	35	97	0	<150	St	10	–	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1036.0	+1	NE	2	FFo	39	94	1	<150	St	10	–	10	•
Scilly (St. Mary's)	1036.8	+1	SE'E	2	b⁻	49	92	8	4000	Cu	1	–	1	•
Falmouth (Pendennis)														•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1035.5	0	NE	4	mmo	42	75	4	450	St	10	–	10	•
Southampton (Calshot)	1036.1	+1	N'W	2	FFo	34	97	2	<150	St	10	–	10	•
Dungeness	1036.6	0	NE	3	o	40	97	6	2500	St	10	–	10	•
Jersey ·7h / Guernsey 1h	1035.5	+1	ENE	4	mmb	45	92	6	–	–	0	ASt	4	•

Observations at 0700 G.M.T.....15th.......

Stations	Barom. at M.S.L. (m.b)	Change in 3 Hours.‡	Wind Direc.	Wind Force (0-12)	Weather.	Temp. (°F.)	Humidity. (%)	Visibility.§ (0-9)	Height of Low Cloud. (Feet)	Low Cloud Form.	Low Cloud Amt. (0-10)	Upper Form.	Total Amt. (0-10)	Sea. (0-9)
Lerwick	1034.7	+2	W	2	or₀r₀	46	92	6	2500	Nb	10	–	10	1
Stornoway	1037.3	-1	W	1	b	45	92	7	–	–	0	–	0	0
Wick	1037.5	0	WSW	1	o	43	92	8	4000	Nb	8	ASt	10	0
Castlebay														
Nairn	1038.7	•	–	0	bc+	34	85	8	5700	StCu	6	–	6	•
Aberdeen	1039.9	+1	NW	1	o	36	92	6	3700	StCu	10	–	10	0
Malin Head	1039.8	0	S	1	o	44	97	9	5700	StCu	9	–	9	4
Renfrew	1041.2	+2	–	0	FFo	38	97	1	1500	St	10	–	10	•
Edinburgh (Inchkeith)	1040.8	+2	W	1	mb	42	97	6	–	–	0	ASt	1	1
Leuchars	1040.1	•	SW	2	bc	37	97	6	–	–	0	ASt	4	•
Eskdalemuir	1042.0	+2	–	0	b	33	97	7	2500	StCu	3	–	3	•
Tynemouth	1040.7	+2	W	1	b	44	97	6	–	–	0	ACu	2	0
Blacksod Point														
Donaghadee	1040.7	+2	NW	1	bc+	47	92	8	4000	Cu	2	CiCu	5	0
Birr Castle	1040.5	•	NW	1	o+	49	97	6	450	StCu	10	–	10	•
Holyhead	1040.0	+1	E'N	1	o+	50	75	8	2500	St	10	–	10	0
Liverpool (Bidston)	1040.7	+2	NW	1	o	46	92	6	2500	Cu	10	–	10	2
Chester (Shotwick)	1040.4	+1	NW	1	o	44	97	7	2500	StCu	10	–	10	•
Spurn Head	1040.4	+4	NNE	3	o/f	46	92	7	2500	StCu	9	–	9	3
Nottingham	1040.2	•	NE	3	oda₀	47	97	5	1500	Nb	10	–	10	•
Cranwell	1039.9	+2	N	2	FFo	44	97	1	<150	St	10	–	10	•
Gorleston	1038.0	+1	NNE	3	mo⁻	47	97	5	2500	St	10	–	10	0
Valencia (Cahirciveen)														
Roche's Point														
Pembroke (St. Ann's H.)	1039.9	+2	–	0	b	44	97	8	2500	St	1	–	1	2
Ross-on-Wye	1039.6	+2	W	1	mo⁻	44	97	4	800	St	10	–	10	•
Benson	1039.5	+2	–	0	FFo	39	97	2	–	St	10	–	10	•
Andover	1039.2	+3	N	3	mo⁻	36	97	4	800	St	10	–	10	•
S. Farnborough	1039.2	+1	–	0	ffo	38	97	2	225	St	10	–	10	•
London (Kew Obsy.)	1039.9	+1	–	0	Ffo	38	97	2	225	St	10	–	10	•
Croydon	1039.2	+1	–	0	FFo	38	97	1	<150	St	10	–	10	
Clacton-on-Sea	1037.9	+2	NNW	3	fo⁻	45	92	3	4000	St	10	–	10	0
Shoeburyness	1038.3	+1	NW	1	fo⁻	43	92	3	800	St	10	–	10	•
Grain	1038.7	+2	W	1	FFo	41	97	1	<150	St	10	–	10	0
Lympne	1037.6	+2	N	3	FFo	40	97	1	<150	St	10	–	10	•
Scilly (St. Mary's)	1037.7	+1	E	3	o	48	92	7	4000	StCu	10	–	10	2
Falmouth (Pendennis)	1038.6	+1	NNE	2	mo⁻	45	97	5	1500	St	10	–	10	0
Plymouth (Cattewater)	1038.3	+3	NE	2	c⁻	50	85	8	2500	StCu	8	–	8	0
Portland Bill	1037.3	+2	ENE	5	mbc	45	75	4	450	St	4	–	4	4
Southampton (Calshot)	1039.0	+1	N'W	2	ffo	44	97	3	225	St	10	–	10	0
Dungeness	1037.7	+2	NE	2	fo+	41	97	3	<150	St	10	–	10	2
Jersey ·7h / Guernsey 1h	1036.3	+1	E	2	o	49	92	6	1500	St	10	–	10	0

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

Stations	Weather Fore-noon.	Weather After-noon.	Temperature Min. Night. 13th (°F.)	Temperature Max. Day. 14th (°F.)	Rainfall† Night 17h.-9h. 13th-14th (mm.)	Rainfall† Day 9h.-17h. 14th (mm.)	Sunshine (hr.)	Sunshine Sunrise to Sunset. 14th (hr.)
Banff								
Montrose	✻	✻	43	57	–	0.5		4.2
Llandudno	odo	oc	40	55	–	0.3		0.2
Colwyn Bay	c	c	41	56	-	-		0.3
Rhyl	oc	oc	41	55	-	-		0.0
Southport	oro	ocbcb	44	51	-	-		0.0
Blackpool	ome	c	45	51	1	0.4		0.2
Harrogate	co	bcom	45	51	-	-		1.8
Skegness	f	cf	32	45	0.2	-		3.2
Aberystwyth	o	oc	46	52	-	-		2.0
Bath	om	m	28	43	-	-		0.0
Leamington Spa	ofe	ofe	28	38	-	-		0.0
Lowestoft	b	bf	33	46	-	-		6.1
Felixstowe	off	bcfb	28	45	0.4	-		2.6
Southend	feo	omw	28	42	0.1	-		0.0

Stations	Weather Fore-noon.	Weather After-noon.	Temperature Min. Night. 13th (°F.)	Temperature Max. Day. 14th (°F.)	Rainfall† Night 17h.-9h. 13th-14th (mm.)	Rainfall† Day 9h.-17h. 14th (mm.)	Sunshine (hr.)	Sunshine Sunrise to Sunset. 14th (hr.)
								2.0
Paignton	cf	cbcmbf	29	48	-	-		0.0
Ilfracombe	o	o	44	50	-	-		0.0
Bude	o	o	30	49	-	-		2.0
Penzance	bbcc	co	36	50	-	-		3.5
Falmouth Observatory	b.bcco	o3	36	49	-	-		2.5
Torquay	bc	bc	33	48	-	-		4.8
Weymouth	b	bom	31	46	-	-		2.2
Bournemouth	b	bf	28	40	-	-		0.0
Portsmouth (S'thsea)	of	om	31	41	-	-		0.0
Worthing	mo	o	33	41	-	-		0.0
Brighton	o	occ	35	42	-	-		0.0
Eastbourne	f	f	37	43	-	-		0.0
Hastings	o	om	38	44	-	-		0.1
Folkestone	f	o	40	46	-	-		0.0
Tunbridge Wells	om	omof	28	41	-	-		0.8
Ramsgate	oc	bcbom	?	?	-	-		0.1
Margate	o	o	41	46	-	-		0.0
Deal	o	o	42	46	-	-		

* 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. 22274 Thursday, 16th November 1922.

Observations at 1300 G.M.T. 15th

Stations.	Barom. at M.S.L. m.b	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	State of ground.
Lerwick	1034.1	-2	WSW	5	o	48	85	7	4000	St.Cu	9	-	9	*
Stornoway	1037.9	0	SW	3	bct	48	85	7	4000	Cu	5	-	5	*
Wick	1037.8	+1	SSW	2	bc	49	75	8	-	-	0	Ci	5	*
Castlebay														*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1040.0	-2	SW'W	2	bc/f	47	75	6	-	-	0	-	0	1
Malin Head	1040.8	+1	SW	1	c-	51	92	8	5700	St.Cu	4	A.Cu	7	*
Renfrew	1042.7	0	-	0	mo-	44	97	4	2500	St.Cu	10	-	10	2
Edinburgh (Inchkeith)	1041.4	+1	W	1	mb-	44	97	4	-	-	0	Ci.Cu	1	*
Leuchars	1040.6	+0	SSW	3	imb	46	92	6	-	-	0	Ci	1	5
Eskdalemuir	1041.8	0	S	2	bc	49	85	7	2500	St.Cu	4	-	4	1
Tynemouth	1042.0	0	NW	1	b/f	47	85	4	-	-	0	Ci.Cu	3	*
Blacksod Point														*
Donaghadee	1042.7	+2	W	1	o+	49	85	7	5700	St.Cu	10	-	10	*
Birr Castle	1042.1	*	W	1	c/f	54	65	8	4000	St.Cu	7	-	7	*
Holyhead	1042.5	+1	-	0	o-	50	85	8	2500	St.Cu	8	A.St	10	2
Liverpool (Bidston)	1042.5	+1	SE'E	1	o/f	48	85	5	1500	St.	10	-	10	*
Chester (Shotwick)	1042.3	+1	ESE	1	o	49	85	4	2500	St.	10	-	10	0
Spurn Head	1041.9	+1	NNE	2	bc	49	85	8	4000	Cu	4	-	4	*
Nottingham	1041.9	*	ENE	2	bc	49	85	7	2500	Cu	4	-	4	*
Cranwell	1041.3	0	NNE	2	b-	50	85	8	2500	Cu	2	-	3	5
Gorleston	1041.0	+2	N'E	2	b	49	75	7	4000	Cu	1	-	1	*
Valencia (Cahirciveen)	1041.2	-2	ESE	2	c	52	92	?	-	-	0	Ci	7	-
Roches Point	1041.4	+1	E	2	c	52	92	7	1500	St.	10	-	10	*
Pembroke (St. Ann's H.)	1040.9	+1	NE	1	o	50	85	8	2500	St.Cu	10	-	10	*
Ross-on-Wye	1040.8	0	NE'N	2	om	49	85	4	1500	St.	10	-	10	5
Benson	1041.4	0	NNE	3	mo-	48	97	4	*	St	10	-	10	1
Andover	1040.5	+2	NE	3	om	48	92	4	800	St.	10	-	10	1
S. Farnborough	1040.3	0	NE	1	mo-	48	97	4	450	St.	10	-	10	2
London (Kew Obsy.)	1040.6	+1	NE	3	mo-	47	92	4	800	St.	10	-	10	1
Croydon	1040.5	+1	-	0	ffo	43	97	1	150	St.	10	-	10	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1040.2	+2	ENE	3	o/f	47	85	7	1500	St.	10	-	10	*
Grain	1040.0	+1	NE	5	o	43	97	7	800	St.	10	-	10	1
Lympne	1039.1	+1	NE	4	od₀	47	97	6	450	St.	10	-	10	1
Scilly (St. Mary's)	1039.2	+1	E'S	3	o	51	97	6	2500	St.Cu	10	-	10	*
Falmouth (Pendennis)	1039.7	0	E	3	bc	52	92	6	4000	St.Cu	5	-	5	*
Plymouth (Cattewater)	1039.4	+2	NE	4	b	54	75	7	5700	Cu	2	-	2	5
Portland Bill	1038.6	+2	ENE	5	bc/f	52	75	6	-	-	0	A.Cu	6	*
Southampton (Calshot)	1039.3	-2	N	3	mo-	51	85	4	800	St.Cu	10	-	10	0
Dungeness	1038.7	+1	NE	3	ct	50	85	6	4000	St.	8	-	8	*
Jersey 7h / Guernsey 1h	1037.7	0	E	3	o	48	92	6	1500	St	10	-	10	*

Observations at 1800 G.M.T. 15th

Stations.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1032.2	-2	W	5	od₀	48	92	7	2500	Nb	6	ASt	10	4
Stornoway	1037.6	0	SW	3	o+	48	85	6	800	St	10	-	10	2
Wick	1037.0	0	WSW	2	b	38	92	8	-	-	0	-	0	0
Castlebay														
Nairn	1038.5	*	W	2	b-	44	85	8	-	-	0	-	0	*
Aberdeen	1039.2	0	WSW	1	b	38	92	5	-	-	0	-	0	0
Malin Head	1041.1	0	WSW	1	od₀	49	97	7	1500	St	10	-	10	2
Renfrew	1041.9	-1	SW	2	o	46	85	7	2500	StCu	10	-	10	*
Edinburgh (Inchkeith)	1040.7	-1	W	3	o/f	46	92	7	*	StCu	10	-	10	2
Leuchars	1039.9	0	SSW	2	b	41	97	6	-	-	0	-	0	*
Eskdalemuir	1042.1	0	SW	3	o	44	85	6	2500	StCu	9	-	9	*
Tynemouth	1041.6	0	W	1	mb-	45	85	4	-	-	0	-	0	0
Blacksod Point														
Donaghadee	1042.6	0	NW	1	b-	42	92	8	-	-	0	Ci	2	0
Birr Castle	1042.3	*	WSW	1	ct	45	92	6	4000	StCu	8	-	8	*
Holyhead	1042.8	0	-	0	b-	47	92	8	-	-	0	ASt	1	0
Liverpool (Bidston)	1043.2	+1	SE	1	b	45	92	4	-	-	0	ASt	3	1
Chester (Shotwick)	1043.0	+2	-	0	ffo	36	97	2	-	-	0	-	0	*
Spurn Head	1042.7	+1	-	0	b	43	92	7	-	-	0	-	0	3
Nottingham	1043.1	*	-	0	b	40	92	6	-	-	0	-	0	*
Cranwell	1043.1	+1	NE'E	1	mb	40	97	5	-	-	0	-	0	*
Gorleston	1041.2	0	N'E	2	bc+	45	92	7	4000	Cu	4	-	4	0
Valencia (Cahirciveen)	1041.5	+1	ESE	1	ct	51	85	9	*	StCu	8	-	8	*
Roches Point	1042.1	0	-	0	o	50	92	7	1500	St	10	-	10	0
Pembroke (St. Ann's H.)	1040.9	+1	NE	2	o	49	85	7	2500	St	10	-	10	2
Ross-on-Wye	1042.0	+2	ENE	2	o	47	85	5	800	St	10	-	10	*
Benson	1041.8	+1	NNE	1	b-	38	92	4	*	St	10	-	10	*
Andover	1041.5	+2	NNE	3	o	45	97	6	800	St	10	-	10	*
S. Farnborough	1042.0	+2	-	0	mb	41	97	5	-	-	0	-	0	*
London (Kew Obsy.)	1042.3	+2	-	0	mb+	42	97	4	-	-	0	-	0	*
Croydon	1041.9	+2	-	0	fb+	41	97	2	-	-	0	-	0	*
Clacton-on-Sea	1041.5	+2	NE	3	b	44	92	6	-	-	0	-	0	0
Shoeburyness	1041.6	+2	-	0	b-	39	85	7	-	-	0	-	0	*
Grain	1041.2	+1	NNE	4	b	44	85	8	-	-	0	-	0	0
Lympne	1040.6	+2	NNE	3	b-	42	97	8	1500	St	3	-	3	*
Scilly (St. Mary's)	1039.2	0	NE	2	o	52	92	6	4000	StCu	10	-	10	3
Falmouth (Pendennis)	1040.7	+3	NE	2	o+	51	92	6	4000	StCu	10	-	10	1
Plymouth (Cattewater)	1040.3	+3	NE	3	b	49	85	7	1500	St	2	-	2	0
Portland Bill	1039.9	+2	ENE	3	o	50	75	6	450	St	10	-	10	4
Southampton (Calshot)	1041.4	+3	NE	4	mmo	48	92	5	1500	StCu	10	-	10	3
Dungeness	1040.4	+2	NE	3	b-	47	92	7	4000	Cu	1	-	1	3
Jersey 7h / Guernsey 1h	1037.7	0	E	3	o	49	92	6	1500	St	10	-	10	0

London Observations. Weather, Temperature, Rainfall: 24 Hours ended 0900 G.M.T. 16th. Sunshine: Yesterday. Humidity 9h.: To-day.

London Observations.	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. %
Kew	ofisome	bomd	bfx	*	*	26	Tr.	0.1	0.0	*	*
Croydon (24 hours ended 0700)	oFd₀	oFetgm	ofefe	*	*	30	0.1	0.1	0.0	*	*
Greenwich (Royal Obsy.)	ofmd	oidgm	bxf	48	32	27	-	Tr.	0.0	84	98
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*	45	34	32	-	-	0.0	?	98
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	0.0	*	*
Camden Square	ow	o	*	50	34	30	-	-	*	*	100
Kensington Palace	o	ob	oF	48	33	27	-	0.3	*	98	96
Hampstead Observatory	*	*	*	46	30	32	Tr.	Tr.	0.0	*	100

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 15th.

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

Kew Observatory Max.	Time.	Min.	Time.
0.6	17-21h 14th	0.4	5h.15
1.2	12h 15th		

Pole Star Record at Greenwich Obsy.

Exposure from 15th 14 h. 15 m. to 16th 06 h. 15 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13.00	6.10	47
δ Ursae Minoris	13.00	0.55	4

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 today in 1300 & 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.

16th & 17th November, 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.14 / 7.15	11.38 / 11.38	3.59 / 3.57
Greenwich	7.21 / 7.23	11.45 / 11.45	4.3 / 4.1
Wick	8.5 / 8.7	11.51 / 11.51	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).
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.
jp 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.

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

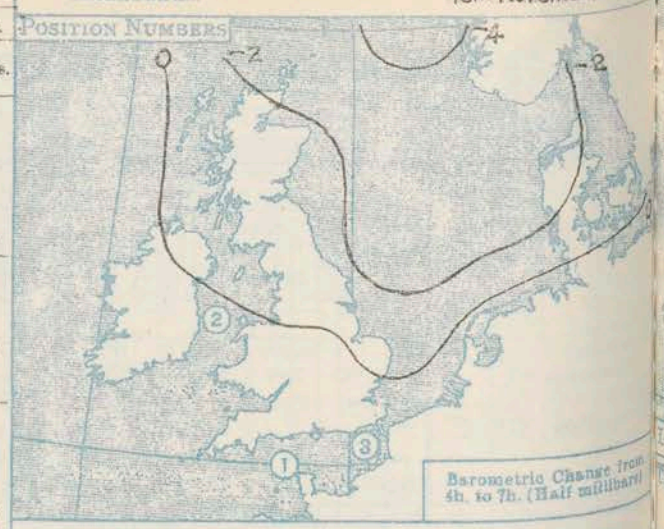
[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 15th	13h.-18h. 15th	18h. 15th to 1h. 16th	1h.-7h. 16th	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	cp	cgd	omd	omd	48	47	•	0.1	1	11.00	<2100	•
Stornoway	b.bc	c	c	dp	49	47	•	-	0.2	-	-	3.1
Wick	b.bc	b.bc	o	c	50	37	•	-	-	-	-	•
Castlebay							•					
Nairn	ogbc	bcb	bbcc	cdg	48	43	•	-	0.2	-	01.30	4.1
Aberdeen	cffbm	bmm	bmx	bmx	46	33	27	-	-	-	-	5.2
Malin Head	cov	come	oidom	oidm	51	47		Trace	0.4	1730	22.00	1.0
Renfrew	ofem	om	o	o	46	34	?	-	-	-	-	0.0
Edinburgh (Inchkeith)	F	mm	cb	c	47	44	45	-	-	-	-	1.1
Leuchars	f.m	bm	bb	c	48	38	22	-	-	-	-	6.0
Eskdalemuir	b.bc	bco	ofbc	bccom	49	39	34	-	-	-	-	4.4
Tynemouth	bcifm	beff	ffo	bm	47	42	36	-	-	-	-	•
Blacksod Point ...							•					•
Donaghadee	bm	bc	o	o	50	33	•	-	-	-	-	•
Birr Castle ...	offco	coz			54			-		-		
Holyhead	oo	ocbc	bccp	oo	50	41	35	-	-	-	-	0.0
Liverpool (Bidston) ...	fom	bm	form		49	38	30	-	-	-	-	0.0
Chester (Shotwick) ...	om	ocbcm bcff	bfxof	ofefe	49	31	29	-	0.1	-	-	•
Spurn Head	b.bc	b-bc	bifw	bwfod	50	38	•	-	Trace	-	04.30	0.0
Nottingham	do	bbcm	bmF	F	50	30	29	0.1	-	40800	-	2.2
Cranwell	fdobc	bbm	bm	fe	50	31	25	-	0.2	-	-	4.4
Gorleston	ocbcb	bbcw	bfe	bffxe	50	32	30	-	Trace	-	-	5.5
Valencia (Cahirciveen)	of	bc	c									
Roches Point	o	o						-		-		•
Pembroke (St. Ann's H.)	oo	oo	c	o	51	43	•	-	-	-	-	0.0
Ross-on-Wye	om	omgom	omcbmw	ifbmfe	49	34	30	-	0.1	-	-	0.0
Benson...	ofm	o	obm	bfe	49	30	25	Trace	0.1	-	-	•
Andover	ohm	om	ombcmb	bmofe	51	30	30	-	0.1	-	-	0.1
S. Farnborough ...	oofmh	oofmem	ogff	ogff	43	31	26	0.1	Trace	1330	-	0.0
London (Kew Obsy.) ...	ofwomw	omgdpm	bfx	ofew	47	33	26	Trace	0.1	-	-	0.0
Croydon	ofdo	ofd bcmo bfeo	ofefe	ofefe	46	33	30	0.1	0.1	1330	-	0.0
Clacton-on-Sea ...	omcbc	bcbm	bm	bbcm	50	36	33	-	-	-	-	3.4
Shoeburyness	offco	ocbcb	b	offqx	49	32	30	-	Trace	-	-	2.6
Grain	Fom	ocbcb	obb	bbfe	48	31	29	-	Trace	-	-	1.8
Lympne	ofem	ocbcqm b	form	F	48	34	33	Trace	Trace	-	-	1.5
Scilly (St. Mary's)	om	oo	bc	bc	53	47?	•	-	-	-	-	0.0
Falmouth (Pendennis)	omcbc	bccom	om		53	43	•	-	-	-	-	2.6
Plymouth (Cattewater)	dmw	bw	bbcc	bbc	54	43	38	-	-	-	-	6.0
Portland Bill ...	c	co	bcb	bbc	54	43	•	-	-	-	-	•
Southampton (Calshot)	omm	bomm	F	bFoF	51	36	35	Trace	-	-	-	1.3
Dungeness ...	f.m	c	bbc	c	50	39	•	-	-	-	-	•
Jersey 7h. / Guernsey 1h.	o	o	o	ocb	49	45	•	-	-	-	-	0.0

ISALLOBARS. 16th November 1922

POSITION NUMBERS



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Tendency.
2	15th 10h	Hibernia	S	2	0	49	53	7
3	16th 3h	Dieppe	E	2	b	47	51	1

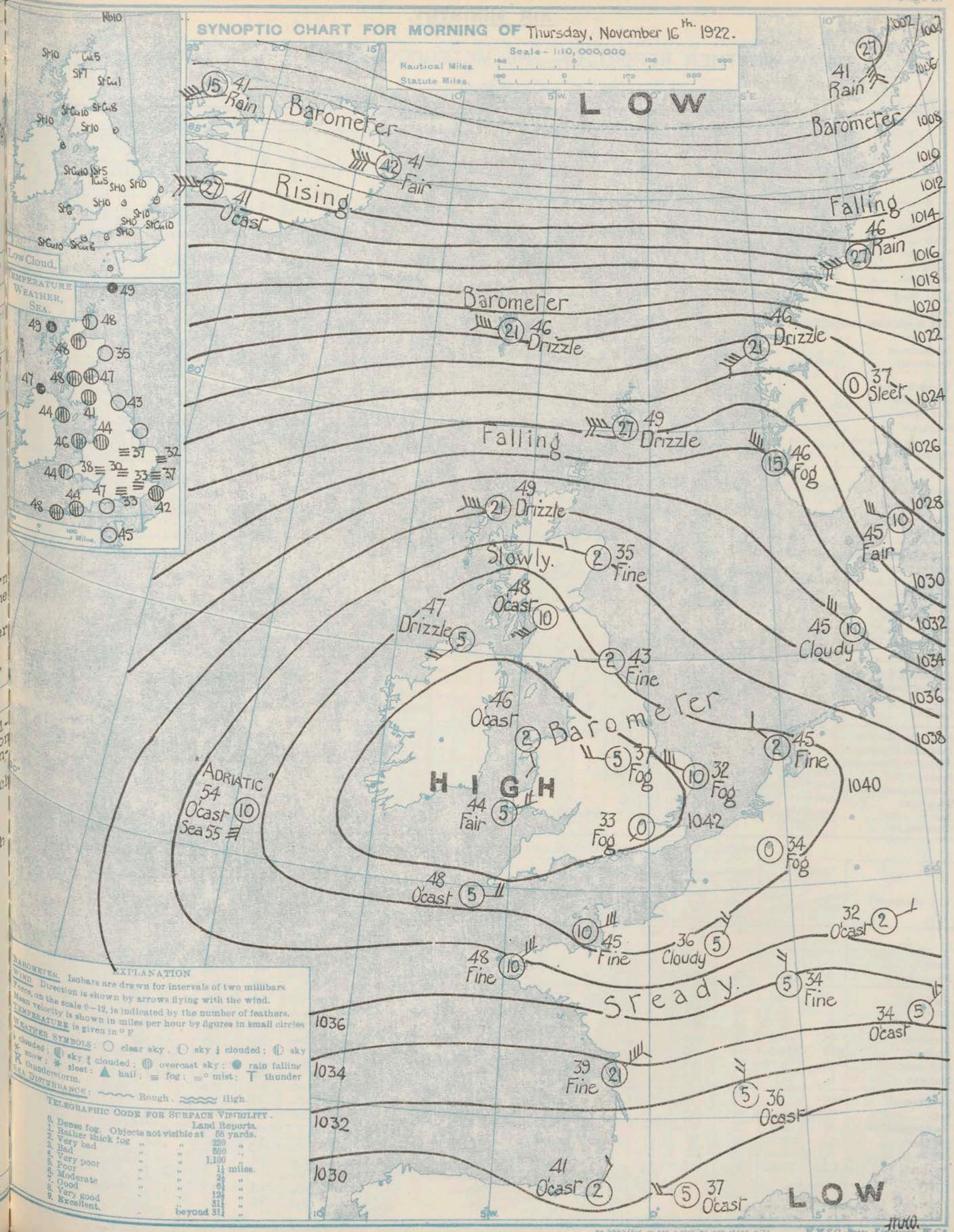
GENERAL INFERENCE.

The anticyclone shows no indication of breaking up and foggy conditions will continue inland over the Midlands, Eastern and Southern England, though some fair intervals near midday are probable in most districts. Over Scotland there will be Westerly winds and slight rain in places.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 16th November, 1922.	Further Outlook.
1. S.E. England 2. E. England	Wind light, Northerly; fair on the past, foggy inland with fair intervals near midday; rather cold.	Over England anticyclonic conditions are likely to continue for 3 or 4 days, during which no large amounts of precipitation are likely, but dull periods with fog and perhaps drizzle will be experienced.
3. E. Midlands 4. W. Midlands	Light indefinite winds; foggy with fair intervals near midday; rather cold.	
5. S.W. England 6. South Wales	Light NE to E winds; mainly fair; night mist in places; moderate temperature.	
7. North Wales 8. N.W. England	Light Westerly wind; cloudy; mist in places; moderate temperature.	
9. N. Midlands	As for 3 - 4.	
10. N.E. England	As for 7 - 8.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind Westerly, moderate; cloudy, slight rain in places; visibility moderate to good; rather mild.	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Fresh Westerly wind; cloudy, some rain or drizzle; visibility moderate to good; mild.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind S to SW, light; cloudy, drizzle in places; some inland mist; rather mild.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at

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



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: ○ clear sky, ◐ sky ¼ clouded; ◑ sky ½ clouded; ◒ sky ¾ clouded; ◍ overcast sky; ● rain falling; ✱ snow; ✱ sleet; ▲ hail; ≡ fog; ≡° mist; T thunder; R thunderstorm.

SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

		Land Reports.
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 "

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION...Thursday, 16th November...1922. No. 320.

Observations at 0100 G.M.T. 16th

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1032.1	+1	W	5	od	43	97	6	2500	Nb	10	–	10	•
Stornoway	1038.4	0	SSW	3	b+	•	•	5	•	•	•	•	•	•
Wick	1036.6	-1	SW	2	bc	47	97	8	–	–	0	ASt	6	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1041.7	+1	SSW	2	od	47	97	7	1500	St	10	–	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1039.6	+1	WSW	4	b	45	92	7	–	–	0	–	0	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1041.0	-1	W	1	b	44	92	7	–	–	0	–	0	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1043.3	0	SSW	1	o-	47	92	8	1500	St	10	–	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1043.0	0	WSW	2	b/f	41	97	7	–	–	0	–	0	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1043.2	0	W'S	3	imo	34	97	4	–	–	0	–	0	•
Gorleston	1042.0	+1	NW	2	ifb	37	97	2	–	–	0	–	0	•
Valencia (Cahirciveen)	1042.4	0	SE	1	o	50	92	6	–	St	9	–	9	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1042.5	0	NE	2	o	45	92	7	2500	StCu	10	–	10	•
Rose-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	•	•	•	•	•	34	•	•	•	•	•	•	•	•
Croydon	1043.2	0	–	0	Ffo	35	97	0	<150	St	10	–	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1041.6	+2	N	3	Ffb	40	97	1	–	–	0	–	0	•
Scilly (St. Mary's) ...	1040.6	+1	E	2	bc	50	92	7	4000	StCu	4	–	4	•
Falmouth (Pendennis)														•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1040.7	0	NE	5	b-	47	85	6	–	–	0	–	0	•
Southampton (Calshot)	1042.7	0	N	3	Fb+	39	97	1	–	–	0	–	0	•
Dungeness	1041.7	+1	NE	2	b	40	97	6	–	–	0	–	0	•
Jersey ·7b }	1039.8	+2	ENE	5	b-	47	85	7	5700	StCu	3	–	3	•
Guernsey 1h }														

Observations at 0700 G.M.T. 16th

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-8
Lerwick	1028.9	-3	W	6	od	49	97	6	4000	Nb	10	–	10	5
Stornoway	1036.0	-1	W	5	od	49	92	6	450	St	10	–	10	4
Wick	1034.5	-3	SW	3	bc	48	92	9	4000	Cu	5	Cu	6	0
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	1036.7	•	–	0	c+	48	85	8	1500	St	7	–	7	•
Aberdeen	1038.0	0	WN	1	b	35	97	6	5700	StCu	1	–	1	0
Malin Head	1040.9	0	SW	2	od	47	97	7	1500	St	10	–	10	2
Renfrew	1041.1	-1	SW	3	o	48	92	7	1500	StCu	10	–	10	•
Edinburgh (Inchkeith)	1039.3	+1	WSW	3	c+	47	92	7	–	StCu	8	–	8	2
Leuchars	1038.7	0	W	1	b	39	97	8	–	–	0	–	0	•
Eskdalemuir	1041.6	-1	SW	4	o	41	97	5	800	St	10	–	10	•
Tynemouth	1039.7	-1	W	1	b	43	85	6	–	–	0	–	0	•
Blacksod Point ...														
Donaghadee	1042.4	-1	W	1	o+	44	92	8	–	–	0	ASt	10	0
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1042.8	0	SSE	1	o	46	97	7	1500	StCu	10	–	10	•
Liverpool (Bidston) ...	1042.7	-1	SW	2	o	44	97	5	1500	St	10	–	10	2
Chester (Shotwick) ...	1042.9	0	SE	2	ffo	33	97	3	2500	St	10	–	10	•
Spurn Head	1041.5	-2	SW	2	fo+	40	97	1	450	St	10	–	10	4
Nottingham	1042.6	•	W	2	ffo	37	97	0	<150	St	10	–	10	•
Cranwell	1042.7	0	W	3	ffo	31	97	3	<150	St	10	–	10	•
Gorleston	1041.1	-1	WNW	3	ffo+	32	97	1	–	–	0	–	0	0
Valencia (Cahirciveen)														
Roches Point														
Pembroke (St. Ann's H.)	1043.0	0	ENE	2	bc	44	85	7	1500	St	6	–	6	2
Rose-on-Wye	1043.2	+1	–	0	ffo	38	97	1	<150	St	10	–	10	•
Benson...	1043.4	0	–	0	ffo	30	97	2	–	St	10	–	10	•
Andover	1043.4	0	–	0	ffo	32	97	1	<150	St	10	–	10	•
S. Farnborough ...	1042.9	0	–	0	ffo	33	97	1	<150	St	10	–	10	•
London (Kew Obsy.)...	1043.2	0	–	0	ffo	33	97	1	<150	St	10	–	10	•
Croydon	1042.9	0	–	0	ffo	34	97	0	<150	St	10	–	10	•
Clacton-on-Sea ...	1042.1	0	N	3	ffbc	37	97	3	–	–	0	ACu	4	0
Shoeburyness	1042.4	0	–	0	ffo	33	85	0	<150	St	10	–	10	•
Grain	1042.8	0	W	2	ffo	33	97	1	<150	St	10	–	10	0
Lympne	1041.6	0	N	2	ffo	41	97	2	<150	St	10	–	10	•
Scilly (St. Mary's) ...	1040.6	0	E	2	o	48	85	7	4000	StCu	10	–	10	3
Falmouth (Pendennis)	1042.8	+2	NNE	2	c	44	92	6	4000	StCu	8	–	8	1
Plymouth (Cattewater)	1041.8	0	–	0	b	43	92	8	–	–	0	–	0	0
Portland Bill	1040.7	0	NE	5	b	47	85	6	–	–	0	–	0	3
Southampton (Calshot)	1042.6	0	NW	2	ffo	37	97	1	225	St	10	–	10	0
Dungeness	1041.4	0	NE	2	o+	42	97	5	4000	StCu	10	–	10	2
Jersey ·7b }	1040.1	0	ENE	3	b	45	85	8	–	–	0	ACu	1	2
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR...Wednesday, 15th Nov.

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 4th °F.	Temperature. Max. Day. 15th °F.	Rainfall.† Night 17h.-9h. 14th-15th mm.	Rainfall.† Day 9h.-17h. 15th mm.	Sunshine. hr.	Sunshine. Sunrise to sunset. 15th hr.
Banff								
Montrose	*	*	33	50	-	-		6.0
Llandudno	c	oom	43	51	-	-		0.5
Colwyn Bay ...	c	c	47	49	-	-		0.4
Rhyl...	o	o	44	50	-	-		0.0
Southport	oc	cloc30	41	48	-	-		0.0
Blackpool	mb	bcom	48	50	-	-		4.1
Harrogate	mb	b	41	49	-	-		4.6
Skegness	b	bf	39	49	-	-		5.9
Aberystwyth ...	moc	o	43	52	-	-		0.4
Bath	mo	ocbcb	41	52	-	-		1.4
Leamington Spa ...	o	om	31	47	0.2	-		0.0
Lowestoft	cf	cbcbc	38	48	-	-		4.2
Felixstowe	of	bm	35	50	-	-		3.8
Southend	fzo	cbcb	34	48	0.2	-		2.0

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 14th °F.	Temperature. Max. Day. 15th °F.	Rainfall.† Night 17h.-9h. 14th-15th mm.	Rainfall.† Day 9h.-17h. 15th mm.	Sunshine. hr.	Sunshine. Sunrise to sunset. 15th hr.
								0.2
Paignton	ome	omcom	39	53	-	-		4.0
Ilfracombe	bcc	cbcco	45	53	-	-		3.5
Bude	wb	b	47	55	-	-		0.9
Penzance	o3	o3bco	44	54	-	-		2.5
Falmouth Observatory	om	bcmom	36	55	-	-		0.3
Torquay	c	c	42	53	-	-		3.4
Weymouth	c	com	39	54	-	-		1.4
Bournemouth ...	fo	cfm	31	52	0.3	-		0.6
Portsmouth (S'thsea)	ome	cof	36	52	-	-		0.6
Worthing	c	coc	35	50	-	-		0.6
Brighton	occ	boc	37	51	-	-		0.1
Eastbourne	fo	oe	35	50	-	-		0.1
Hastings	f	fmbcc	34	50	Trace	-		1.1
Folkestone	o	o	39	50	-	-		0.0
Tunbridge Wells ...	of	ofcm	34	47	-	Trace		1.8
Ramsgate	mo	ocbbc	-	-	-	-		0.1
Margate	ofo	ocb	38	49	-	-		1.0
Deal	o	bcc	36	49	-	-		

* 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. 22275 Friday, 17th November 1922.

Observations at 1300 G.M.T. 16th

STATIONS.	Barom. at M.S.L. m.b	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	State of ground.
Lerwick	1027.4	-3	NE	6	or	49	85	6	4000	Nb	6	ASt	10	*
Stornoway	1035.5	0	WSW	3	o/r	52	85	6	800	St	9	–	9	*
Wick	1033.0	-2	WSW	3	o	59	85	9	4000	Nb	6	ACu	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1035.9	-2	WS	2	b	53	75	7	–	–	0	Ci	2	1
Malin Head	1040.8	0	WSW	4	od	49	97	7	1500	St	10	–	10	*
Renfrew	1039.9	-1	SW	4	o/r	50	92	7	1500	Nb	10	–	10	4
Edinburgh (Inchkeith)	1037.4	-3	WSW	4	o	49	85	6	–	StCu	9	–	9	*
Leuchars	1036.8	-4	WSW	4	bc+	53	85	8	4000	Cu	1	Ci	5	0
Eskdalemuir	1040.5	-1	WSW	4	o	45	92	6	1500	StCu	10	–	10	1
Tynemouth	1039.3	0	W	2	b	46	85	7	4000	CuNb	2	CiCu	3	*
Blacksod Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	1042.1	-1	W	1	o	48	85	8	–	–	0	ASt	10	*
Birr Castle	1043.7	*	S	1	o+	47	85	7	450	StCu	10	–	10	*
Holyhead	1043.0	-1	WNW	3	o	49	97	8	1500	StCu	10	–	10	1
Liverpool (Bidston)	1042.2	-1	W	2	o	48	85	7	1500	CuNb	10	–	10	*
Chester (Shotwick)	1042.3	-2	NW	4	o	48	75	6	1500	StCu	10	–	10	*
Spurn Head	1039.5	-2	W	3	ffb	43	92	2	–	–	0	–	0	*
Nottingham	1040.4	*	W	2	fb-	48	92	3	–	–	0	–	0	*
Cranwell	1040.3	-4	WS	2	fbc-	44	97	5	1500	St	4	–	4	5
Gorleston	1038.7	-1	W	3	mb-	42	97	5	–	–	0	–	0	*
Valencia (Cahirciveen)	1043.6	0	ESE	1	o+	50	75	8	4000	St	9	–	9	1
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1042.9	0	–	0	mmb	49	75	6	–	–	0	–	0	*
Ross-on-Wye	1042.7	-1	WSW	1	fo-	40	97	3	225	St	10	–	10	1
Benson	1043.2	-2	–	0	fo-	38	97	3	–	–	0	–	0	2
Andover	1043.0	0	–	0	fo-	40	97	3	–	St	10	–	10	1
S. Farnborough	1043.1	-1	–	0	ffo	37	97	1	–	St	10	–	10	1
London (Kew Obsy.)	1043.0	-2	W	1	fo-	36	97	1	–	St	10	–	10	1
Croydon	1042.9	-1	WN	1	ffo	36	97	1	<150	St	10	–	10	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1042.1	0	WNW	1	ffo	40	92	1	–	St	10	–	10	*
Grain	1042.4	-1	W	3	ffo	39	97	1	<150	St	10	–	10	1
Lympne	1042.0	-2	–	0	bc-	48	85	8	1500	StCu	5	–	5	1
Scilly (St. Mary's)	1041.4	0	EN	2	b	53	75	6	4000	StCu	3	–	3	*
Falmouth (Pendennis)	1041.8	-2	ENE	3	b-	49	85	7	4000	Cu	2	Ci	3	*
Plymouth (Cattewater)	1042.0	-2	–	0	mmb	53	75	6	–	–	0	–	0	0
Portland Bill	1040.7	0	NE	5	b	48	85	6	–	–	0	–	0	*
Southampton (Calshot)	1042.8	-1	NNW	4	ffb	42	97	3	–	–	0	–	0	2
Dungeness	1041.7	+1	NNE	2	c	48	85	7	2500	Cu	8	–	8	*
Jersey 7h / Guernsey 1h	1040.0	0	E	3	b-	46	75	8	–	–	0	ACu	1	*

Observations at 1800 G.M.T. 16th

STATIONS.	Barom. at M.S.L. m.b	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	Sea 0-9
Lerwick	1025.4	-1	WNW	5	o/r	48	92	6	4000	StCu	5	ASt	10	4
Stornoway	1034.7	-1	WSW	4	o	50	92	6	800	St	10	–	10	3
Wick	1030.6	-2	W	3	c-	49	92	8	5700	Cu	3	ACu	7	0
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1035.2	*	W	3	bc-	50	75	8	5700	StCu	4	–	4	*
Malin Head	1035.3	0	WNW	2	bc-	50	75	7	4000	StCu	6	–	6	0
Renfrew	1040.2	0	W	4	od	49	97	7	1500	St	10	–	10	4
Edinburgh (Inchkeith)	1038.8	-1	WSW	3	o	49	85	7	1500	StCu	10	–	10	*
Leuchars	1036.7	-1	WSW	4	b-	49	85	8	*	St	2	ASt	3	3
Eskdalemuir	1036.4	0	SW	3	b	45	85	8	–	–	0	Ci	2	*
Tynemouth	1038.5	-2	WNW	7	c	46	85	6	2500	StCu	7	–	7	*
Blacksod Point	1038.0	-1	W	1	o	46	85	6	–	–	0	ASt	10	0
Donaghadee	1041.2	-1	W	1	mo	47	92	6	–	–	0	ASt	10	0
Birr Castle	1042.4	*	SSW	1	o	45	85	5	450	StCu	10	–	10	*
Holyhead	1042.3	0	NNW	4	o	48	92	8	1500	StCu	10	–	10	1
Liverpool (Bidston)	1041.6	0	WN	4	o	45	92	6	2500	St	10	–	10	4
Chester (Shotwick)	1041.5	0	NNW	5	o	46	85	4	1500	St	10	–	10	*
Spurn Head	1037.9	0	W	4	fb-	42	92	3	–	–	0	–	0	4
Nottingham	1039.9	*	WSW	2	b	42	97	4	–	–	0	–	0	*
Cranwell	1039.5	0	NW	2	fo+	34	97	2	450	St	10	–	10	*
Gorleston	1038.8	-1	WN	3	ffo	37	97	1	2500	St	10	–	10	0
Valencia (Cahirciveen)	1043.2	+1	ENE	1	b-	45	85	8	2500	StCu	3	–	3	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1041.7	-1	N	1	mmb	46	85	6	–	–	0	–	0	2
Ross-on-Wye	1041.3	-1	WS	1	o	41	97	4	450	St	10	–	10	*
Benson	1041.5	-2	–	0	mo-	40	97	4	*	St	10	–	10	*
Andover	1041.6	-2	W	1	ffo	38	97	3	450	St	10	–	10	*
S. Farnborough	1041.2	-2	–	0	fo-	38	97	2	450	St	10	–	10	*
London (Kew Obsy.)	1040.9	-2	WSW	1	o	40	97	4	800	St	10	–	10	*
Croydon	1041.2	-1	WN	2	fo+	37	97	1	450	St	10	–	10	*
Clacton-on-Sea	1039.4	-2	WNW	3	ffo	38	97	1	450	St	10	–	10	0
Shoeburyness	1040.2	-2	W	1	ffo	38	92	1	450	St	10	–	10	*
Grain	1040.5	-2	WSW	4	ffo	36	97	1	450	St	10	–	10	0
Lympne	1039.9	0	NNW	2	fb	40	92	3	–	–	0	–	0	*
Scilly (St. Mary's)	1040.7	0	E	2	o	49	85	7	4000	StCu	10	–	10	3
Falmouth (Pendennis)	1041.5	0	NE	2	b	47	97	6	4000	Cu	2	–	2	0
Plymouth (Cattewater)	1041.5	0	E	1	b	44	92	6	–	–	0	–	0	0
Portland Bill	1040.7	0	NE	2	b	42	85	6	–	–	0	–	0	1
Southampton (Calshot)	1041.3	-1	NNW	3	fo+	39	97	2	450	St	10	–	10	0
Dungeness	1039.9	-1	NW	2	b	42	92	7	–	–	0	–	0	2
Jersey 7h / Guernsey 1h	1039.4	0	ENE	3	b	46	85	8	–	–	0	–	0	2

LONDON OBSERVATIONS

	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. 16th								YESTERDAY.		TO-DAY.
Kew	ofw	ofwow	of	*	*	39	–	–	0.0	*	*
Croydon } 24 hours ended 0700	ofpc	f	ofepm	*	*	36		Tr.	0.0	*	*
Greenwich (Royal Obsy.)	f	f	om	45	36	38	–	–	0.0	99	86
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*	45	34	35	–	–	0.0	91	89
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	0.0	*	*
Camden Square	fw	o	*	45	36	34	Tr	–	*	*	88
Kensington Palace	of	of	o	47	33	39	–	–	*	100 (15h)	84
Hampstead Observatory	*	*	*	42	30	36	0.3	–	0.0	*	93

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 15th

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

Kew Observatory Max.	Time.	Min.	Time.
1.0	2300 (15)	0.2	0900 (16th)
0.7	1000 (16)		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 15th 14h. 15m. to 16th 06h. 15m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13.00	0.0	Nil
δ Ursae Minoris	13.00	0.0	Nil

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 today in 1300 & 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 sec.	Stren.	Direc.
13h.	C	6	-	170°
18h.	C	6	-	180°
01h.	C	6	-	130
07h.	C	6	-	120

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

17th & 18th November, 1922.

STATIONS.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	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).
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.
jp 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.

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.

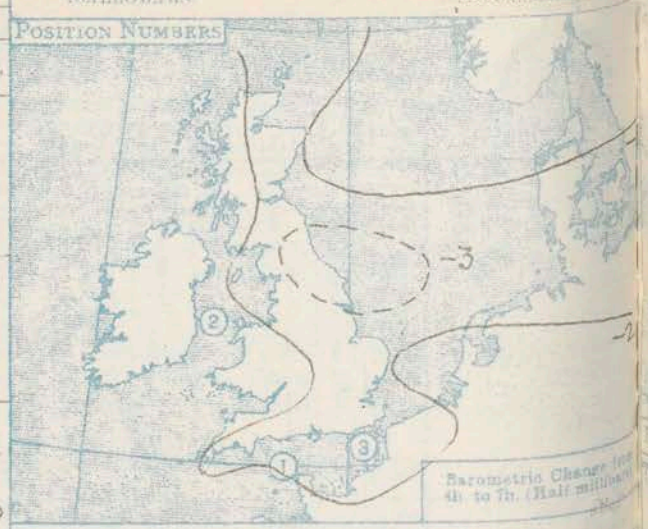
§ For code see page 3.

M.O. Form 2370.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-13h. 15th	Weather. 13h.-18h. 15th	Weather. 18h. 15th to 1h. 16th	Weather. 1h.-7h. 16th	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	cqcr	omqr	bcbq	bcp	50	40	*	2	0.4	<0800	2400	0.0
Stornoway	ford	oo	yord	b	53	48	*	1	3	-	-	0.0
Wick	oo	c	o½o	o1½o	52	45	*	-	2	-	<2100	*
Castlebay							*					
Nairn	cbcq	bcqg	bcqc	cdo	54	48	*	-	0.3	-	-	2.0
Aberdeen	bxfwb	c	bnc	oo½o	54	48	39	-	0.3	-	0530	5.8
Malin Head		oidm	idbcoid	oimd	49	47	*	0.5	1	<0800	<2100	0.0
Renfrew	oida	oido	ovids	odm	50	49	45	-	-	-	-	0.0
Edinburgh (Inchkeith)	oo2	c	bc	bc	50	47	43	-	-	-	-	0.9
Leuchars	bcbc	b-bc	bbc	bbc	54	42	35	-	-	-	-	6.6
Eskdalemuir	omo	oc	qcbc	bcc	46	42	41	-	-	-	-	0.0
Tynemouth	bbc	oom	cm	bcm	46	44	39	-	-	-	-	*
Blacksod Point ...							*					*
Donaghadee	o	om	c	bc	49	46	*	-	-	-	-	*
Birr Castle ...	coz	cozz	o	o	47	43	42	-	-	-	-	*
Holyhead	oo	oo	oov	oo	49	49	46	-	-	-	-	0.0
Liverpool (Bidston) ...	oo	oo	o	o	48	44	40	-	-	-	-	0.0
Chester (Shotwick) ...	offo	oom	omq	omm	48	46	43	-	-	-	-	*
Spurn Head	F	F	bbc	bbc	45	39	*	Trace	Trace	<0800	<2100	0.0
Nottingham	Form	b-bom	mb	form	51	33	29	-	-	-	-	2.7
Cranwell	Fbcm	bmoF	bz	bm	45	33	30	0.1	Trace	-	-	2.5
Gorleston	bfbm	off	oFe	ofcom	43	37	34	-	-	-	-	1.5
Valencia (Cahirciveen)	obcc	cobcb	o					-		-		
Roches Point							*					*
Pembroke (St. Ann's H.)	cbm	bm	bbc	bbcc	52	44		-	-	-	-	7.2
Ross-on-Wye	fcofc	omcom	gomof	omo	42	39	34	0.1	-	-	-	0.0
Benson	ofc	fcm	cm	o	40	40	39	Trace	0.1	-	-	*
Andover	ofc	offe	bfcom	o	40	37	37	Trace	-	1100	-	0.7
S. Farnborough ...	oofkc	oofkc	ofcm	omo	38	37	34	Trace	-	-	-	0.6
London (Kew Obsy.) ...	ofw	ofnbw	omqgw	owom	40	39	39	0.1	-	-	-	0.0
Croydon	ofcfc	F	ofcfm	om	37	34	36	0.1	Trace	-	-	0.0
Clacton-on-Sea ...	bcmcf	of	of	ofqm	42	38	34	-	-	-	-	2.5
Shoeburyness	offc	offe	offe	omq	42	34	34	Trace	Trace	-	-	0.0
Grain	ofc	ofe	ofm	fcof	40	35	36	0.1	Trace	-	-	0.0
Dungeness	fcmbc	ribcbm	F	form	49	32	29	-	Trace	-	-	4.1
Scilly (St. Mary's) ...	cm	bccmo	b	bcc	53	43	*	-	-	-	-	1.9
Falmouth (Pendennis)	obcb	bm	bcom		49	41	*	-	-	-	-	5.6
Plymouth (Cattewater)	bm	b	bm	bbc	53	39	31	-	-	-	-	8.5
Portland Bill	bbc	b-bc	bf	fm	50	38	*	-	-	-	-	*
Southampton (Calshot)	F	bccoFF	F	om	43	37	37	Trace	-	-	-	3.1
Dungeness	c	b-bc	bcoFF	fbm	50	34	*	-	-	-	-	*
Jersey (7h.) ...	b	b	bbc	bo	50	39	*	-	-	-	-	7.6
Guernsey (1h.)												

ISALLOBARS. November 17th



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	16th 10h	Hibernia	W	2	0	48	53
1	16th 12h	Ibex	NE	4	bc+	50	54
3	17th 3h	Brighton	NE	2	0	48	52

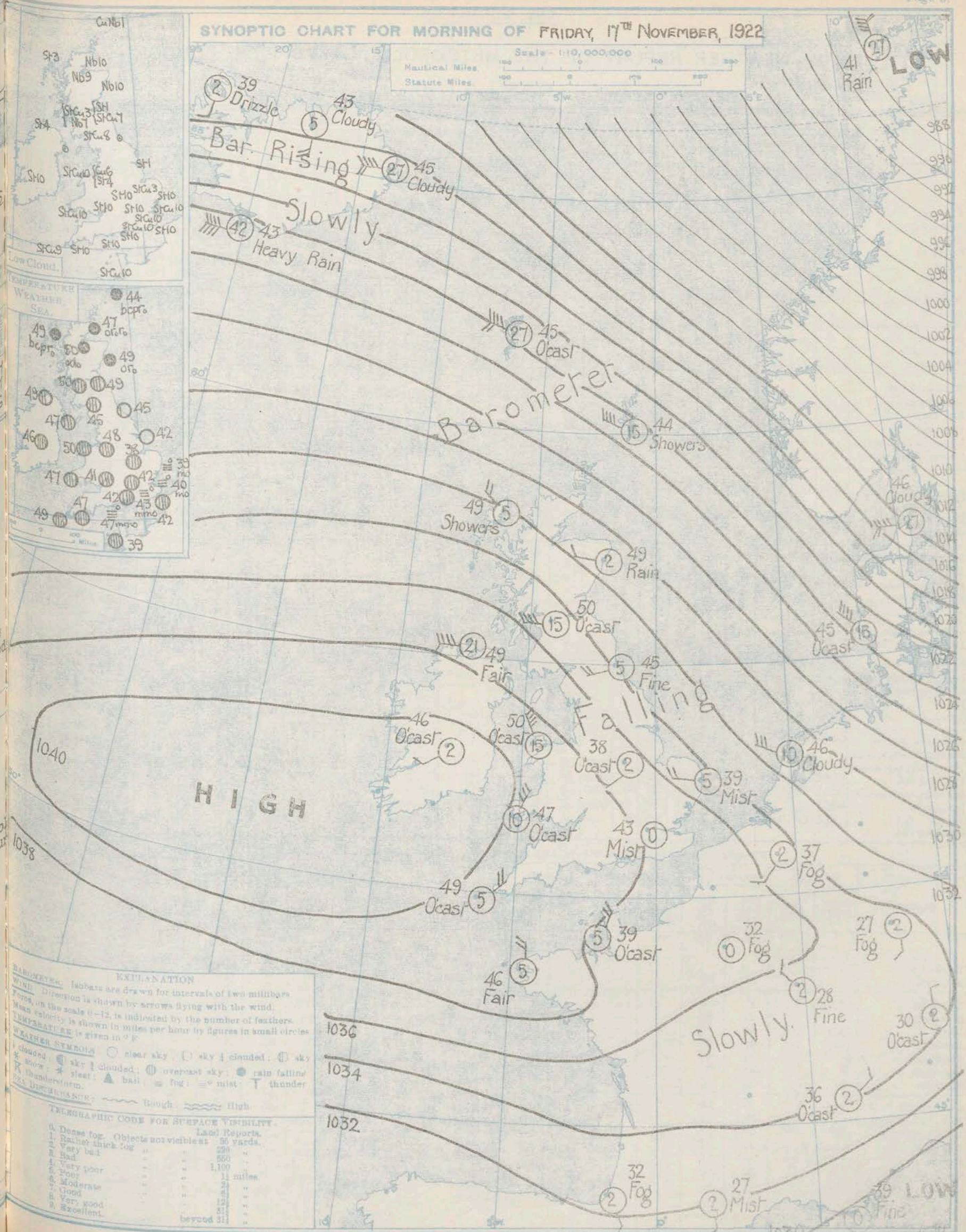
GENERAL INFERENCE.

The anticyclone continues to move away to the west and the definite wind current over the British isles, northwesterly in the North and northerly in the South, will prevent persistent fog. Over the northern half of the Kingdom cloudy weather is probable with some drizzle in places. In the South conditions will be cloudy with fairer periods. Temperature generally will be somewhat above normal.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Friday, 17th November, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind N to N.W., light or moderate; fair or cloudy; visibility mainly moderate; rather mild.	Similar conditions probable beyond the 24 hours.
4. W. Midlands 5. S.W. England 6. South Wales	Wind northerly, light or moderate; fair or cloudy; visibility mainly moderate; rather mild.	
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 W to NW, moderate; cloudy, slight rain or drizzle at times; visibility moderate or good; rather mild.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind W to NW, moderate, fresh at times; cloudy, some rain; visibility moderate or good; rather mild.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland	As 7 to 13.	
20. S.W. Ireland	As 4 to 6.	

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION Friday 17th November 1922. No. 321

Observations at 0100 G.M.T. 17th

Stations	Barom. at M.S.L. m.b	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	Sea 0-9
Lerwick	1025·3	-1	WNW	6	bcpr	44	75	6	4000	Nb	6	–	6	•
Stornoway	1034·0	-2	W	4	or_0r_0	•	•	4	•	•	•	•	•	•
Wick	1030·7	0	NW	3	or_0r_0	47	97	7	2500	Nb	10	–	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1039·2	-1	W	4	od_0	50	85	7	4000	St	10	–	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1035·4	-1	SW	3	b⁻	48	85	8	–	–	0	ASt	1	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1035·9	-1	W	1	b⁻	45	92	6	–	–	0	ACu	2	•
Blacksod Point														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1040·7	-4	NNW	4	o	49	85	9	1500	St	10	-	10	•
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1037·2	0	W	4	b	42	92	6	–	–	0	–	0	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1038·0	-2	WNW	3	mmb	39	97	5	–	–	0	–	0	•
Gorleston	1036·2	-1	W'N	2	fo⁻	39	97	2	2500	St	10	–	10	•
Valencia (Cahirciveen)	1044·4	0	S	1	o	48	85	7	-	–	0	ASt	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1040·8	-1	NNW	3	b	45	85	7	-	–	0	–	0	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	•	•	•	•	•	43	•	•	•	•	•	•	•	•
Croydon	1038·6	-2	N'W	2	o/f	41	97	6	800	St	10	–	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1037·4	-3	N	3	of	40	97	2	225	St	10	–	10	•
Scilly (St. Mary's)	1040·5	0	E'N	1	b	47	85	7	-	–	0	-	0	•
Falmouth (Pendennis)														•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1039·5	-1	NNE	5	mo	42	85	5	450	St	10	–	10	•
Southampton (Calshot)	1039·3	-3	NNW	3	mo⁻	41	97	5	800	St	10	–	10	•
Dungeness	1038·1	-2	N	3	ffo	40	97	3	<150	St	10	–	10	•
Jersey 7h / Guernsey 1h	1038·4	0	NNE	3	bcr	48	92	6	–	–	0	ASt	5	•

Observations at 0700 G.M.T. 17th

Stations	Barom. at M.S.L. m.b	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	Sea 0-9
Lerwick	1024·4	-2	WNW	4	bcpr	44	75	6	4000	CuNb	1	ASt	4	3
Stornoway	1032·3	0	NW	2	$bcpr_0$	49	92	6	–	–	–	–	–	0
Wick	1028·7	-2	NW	3	or_0r_0	47	92	8	2500	Nb	10	-	10	0
Castlebay														
Nairn	1030·9	•	–	0	od_0	50	92	8	2500	Nb	9	-	9	•
Aberdeen	1031·3	-1	W'N	1	or_0	49	97	7	4000	Nb	10	–	10	0
Malin Head	1037·9	-1	W	5	bc/r	49	97	8	4000	St	4	ACu	6	4
Renfrew	1035·1	-2	W	4	o	50	85	6	1500	StCu	10	–	10	•
Edinburgh (Inchkeith)	1032·6	-2	SW	4	c	49	85	7	-	StCu	8	-	8	3
Leuchars	1032·4	-2	W	3	c	47	85	8	4000	StCu	7	–	7	•
Eskdalemuir	1035·3	-3	W'N	4	c⁻	45	85	7	2500	StCu	8	–	8	•
Tynemouth	1032·8	-3	WSW	2	b+	45	85	6	–	–	0	ACu	3	0
Blacksod Point														
Donaghadee	1037·9	-2	W	2	c+	47	85	7	–	–	0	ASt	8	0
Birr Castle	1041·2	•	SW	1	o	46	92	6	450	St	10	–	10	•
Holyhead	1039·0	-1	NNW	4	o	50	85	8	1500	StCu	10	-	10	2
Liverpool (Bidston)	1037·2	-2	WNW	4	o	48	92	7	2500	Cu	10	–	10	5
Chester (Shotwick)	1037·5	-1	WNW	4	o	49	85	6	1500	St	10	-	10	•
Spurn Head	1034·9	-3	W	4	b	42	92	5	2500	St	1	–	1	4
Nottingham	1036·7	•	SW	1	oF	38	97	2	800	St	10	–	10	•
Cranwell	1035·8	-2	W	3	mbc	40	97	5	800	StCu	3	ACu	4	•
Gorleston	1034·6	-1	W'N	2	mo+	39	97	4	4000	St	10	–	10	0
Valencia (Cahirciveen)														
Roches Point														
Pembroke (St. Ann's H.)	1039·7	-1	NNE	3	o	47	85	8	4000	StCu	10	–	10	3
Ross-on-Wye	1038·4	-1	SW'W	2	o	41	92	8	1500	St	10	–	10	•
Benson	1037·6	-2	NNW	2	o/m	42	92	6	-	St	10	–	10	•
Andover	1038·4	-1	NW	1	o/f	43	85	7	800	StCu	10	–	10	•
S. Farnborough	1037·0	-2	–	0	o/f	42	92	6	1500	StCu	10	–	10	•
London (Kew Obsy.)	1037·7	-2	–	0	mmo	43	92	5	4000	StCu	10	–	10	•
Croydon	1037·3	-2	NNW	2	o	42	92	6	800	St	10	–	10	•
Clacton-on-Sea	1036·1	-3	WNW	3	mo⁻	40	97	5	5700	StCu	10	–	10	0
Shoeburyness	1036·3	-2	W'N	1	mmo	42	85	5	1500	StCu	10	–	10	0
Grain	1036·7	-3	W	4	o	42	92	6	2500	St	10	–	10	•
Lympne	1035·9	-2	NW	2	o	41	97	4	225	St	10	–	10	
Scilly (St. Mary's)	1039·4	-2	NE'E	2	o⁻	49	85	7	4000	StCu	9	–	9	3
Falmouth (Pendennis)	1039·7	-2	NE	3	o+	47	92	6	1500	St	10	–	10	0
Plymouth (Cattewater)	1039·2	0	–	0	b⁻	43	85	8	4000	StCu	2	–	2	0
Portland Bill	1039·5	0	NNE	4	mmo	47	85	5	450	St	10	–	10	3
Southampton (Calshot)	1038·4	-1	NNW	3	o/m	44	85	6	1500	St	10	–	10	0
Dungeness	1036·4	-2	N	2	o/f	42	92	6	7200	St	10	–	10	2
Jersey 7h / Guernsey 1h	1037·5	0	NNE	2	o	39	92	7	2500	StCu	10	–	10	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR Thursday 16th Nov.

Stations	Weather Fore-noon	Weather After-noon	Temperature Min. Night 15th °F.	Temperature Max. Day 16th °F.	Rainfall Night 17h.-9h. 15th-16th mm.	Rainfall Day 9h.-17h. 16th mm.	Sunshine hr.	Sunshine Sunrise to Sunset 16th hr.
Banff								
Montrose			31	54	–	–		6·8
Llandudno	o	o	34	49	–	–		0·1
Colwyn Bay	c	c	39	49	–	–		0·4
Rhyl	o	o	34	48	–	–		0·0
Southport	foco	o	41	47	0·3	–		0·0
Blackpool	o	o	32	47	0·1	–		0·0
Harrogate	b	b	39	46	0·1	–		7·4
Skegness	f	f	30	38	–	0·1		0·0
Aberystwyth	occ	o	38	48	–	–		1·0
Bath	mo	om	35	40	–	–		0·0
Leamington Spa	oe	ome	29	42	–	–		0·0
Lowestoft	bcbim	bim	31	42	–	–		3·0
Felixstowe	frfe	frfe	31	41	0·3	–		0·0
Southend	frfe	frfe	30	40	–	0·1		0·0
Paignton	bm	bm	39	49	–	–		6·7
Ilfracombe	ocbcb	b	38	50	–	–		7·3
Bude	wbc.b	bccb	36	52	–	–		7·1
Penzance	c3bc	bcb3	44	53	–	–		3·5
Falmouth Observatory	bm	bm	43	52	–	–		5·8
Torquay	b	b	40	48	–	–		7·1
Weymouth	b	bf	36	50	–	–		6·7
Bournemouth	f	f	34	41	–	–		0·0
Portsmouth (S'thsea)	b	b	36	50	–	–		5·2
Worthing	bcb	b	37	47	–	–		6·2
Brighton	fbcb	bf	38	50	–	–		5·5
Eastbourne	foc	ocbc	38	48	0·1	–		1·7
Hastings	omcbc	bccf	39	49	0·3	–		2·2
Folkestone	bm	bm	42	50	–	–		2·0
Tunbridge Wells	cbc	bccf	29	48	–	–		4·9
Ramsgate	fobcb	bcob	?	?	–	–		2·3
Margate	o	of	38	44	–	–		0·0
Deal	oc	bccF	40	47	–	–		2·0

* 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.22276 Saturday, 18th November 1922.

Observations at 1300 G.M.T. 17th

STATIONS.	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	State of ground.
Lerwick	1022.4	0	NW	5	c	46	75	7	4000	CuNb	3	A.Cu	7	*
Stornoway	1031.4	-1	NW	3	opr.	49	92	6	450	St.	10	-	10	*
Wick	1027.4	-2	NW	4	o	48	75	8	2500	CuNb	6	Ci.St	9	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1029.1	-2	WNW	3	c/r	49	85	7	1500	St.Cu	7	-	7	1
Malin Head	1036.0	-2	W	5	o	51	97	8	4000	St.Cu	10	-	10	*
Renfrew	1033.2	-2	W	4	od.	53	85	6	2500	Nb	10	-	10	1
Edinburgh (Inchkeith)	1028.3	-5	WSW	5	b	50	85	7	-	Cu	2	-	2	*
Leuchars	1030.2	-3	W	3	o+	54	75	8	4000	St.Cu	9	-	9	0
Eskdalemuir	1032.2	-3	WNW	6	bc-	49	85	7	1500	St.Cu	5	A.Cu	6	1
Tynemouth	1030.3	-3	W	3	b	52	75	6	4000	Cu	2	-	2	*
Blacksod Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	1035.6	-2	NW	1	c	52	85	8	-	-	0	A.Cu	7	*
Birr Castle	1039.7	*	W	1	o-	50	85	7	4000	St.Cu	9	-	9	*
Holyhead	1036.5	-4	NNW	4	o/r	50	85	8	2500	St.Cu	10	-	10	1
Liverpool (Bidston)	1034.7	-3	WNW	4	c-	49	85	7	1500	CuNb	7	-	7	*
Chester (Shotwick)	1034.9	-3	NW	5	o	52	75	8	1500	St.Cu	10	-	10	0
Spurn Head	1031.1	-3	WNW	4	b	47	85	6	2500	St.	1	-	1	*
Nottingham	1032.8	*	NW	3	b	51	85	5	2500	Cu	1	-	1	*
Cranwell	1032.3	-3	NW	4	b	50	85	6	-	-	0	Ci	1	5
Gorleston	1030.8	-2	WNW	3	mo-	49	75	5	-	Ci	4	-	4	*
Valencia (Cahirciveen)	1041.9	-2	NE	2	o	50	85	8	1500	St.Cu	10	-	10	1
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1038.1	-3	NNW	3	o/p	49	85	8	2500	St.Cu	10	-	10	*
Ross-on-Wye	1034.9	-3	NW	3	c-	50	75	8	4000	St.Cu	7	Ci	8	0
Benson	1034.2	-6	WNW	2	o	47	85	6	*	St.	10	-	10	*
Andover	1035.2	-3	W	3	o	46	85	6	2500	St.Cu	10	-	10	4
S. Farnborough	1034.6	-4	WNW	2	o	48	85	6	1500	St.Cu	10	-	10	0
London (Kew Obsy.)	1033.6	-	WNW	2	o	48	75	5	2500	St.Cu	10	-	10	3
Croydon	1033.6	-5	NW'W	2	o	47	85	5	2500	St.Cu	10	-	10	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1032.7	-5	WNW	1	mmo	47	85	6	4000	St.Cu	10	-	10	*
Grain	1033.2	-5	W	3	o/f	48	85	5	2500	St.Cu	10	-	10	1
Lympne	1033.1	-5	WNW	2	o	44	92	4	2500	St.Cu	10	-	10	0
Scilly (St. Mary's)	1038.0	-2	NNE	3	o	50	85	7	4000	St.Cu	10	-	10	*
Falmouth (Pendennis)	1038.2	-0	NE	4	o	49	85	6	2500	St.	10	-	10	*
Plymouth (Cattewater)	1037.4	-3	N	3	o	48	75	8	2500	St.Cu	10	-	10	-
Portland Bill	1036.0	-	NNE	4	o/f	46	85	6	450	St.	10	-	10	*
Southampton (Calshot)	1036.3	-2	NNW	4	o	47	85	6	2500	St.Cu	10	-	10	-
Dungeness	1034.0	-3	N	2	o	46	92	7	2500	St.Cu	10	-	10	*
Jersey 7h / Guernsey 1h	1035.3	-1	NNE	2	o	47	85	7	2500	StCu	10	-	10	*

Observations at 1800 G.M.T. 17th

STATIONS.	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	Sea 0-9
Lerwick	1020.0	-4	NW	5	o/r	44	85	7	-	-	0	ASt	10	4
Stornoway	1029.6	-2	NW	2	odd.	48	92	6	450	St	10	-	10	1
Wick	1025.7	-2	NW	3	o	46	85	8	2500	Nb	10	-	10	3
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	1028.8	*	NW	1	o/r	49	85	8	1500	St	9	-	9	*
Aberdeen	1027.6	-2	WNW	3	c	47	85	7	1500	St	7	-	7	0
Malin Head	1035.0	-1	W'N	5	o	51	92	7	4000	St	2	Ci	9	4
Renfrew	1031.7	0	WSW	3	o	52	85	6	2500	St	10	-	10	*
Edinburgh (Inchkeith)	1028.0	-1	WSW	4	bc+	50	85	8	*	St	6	-	6	3
Leuchars	1028.5	-1	W	2	c	51	85	8	4000	StCu	8	-	8	*
Eskdalemuir	1031.1	-1	NW	3	o	50	85	6	1500	StCu	9	-	9	*
Tynemouth	1029.1	0	W	2	b	50	85	6	-	-	0	ACu	3	1
Blacksod Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	1033.4	-1	NW	1	o+	51	85	8	4000	StCu	10	-	10	0
Birr Castle	1038.0	*	WNW	2	o+	49	85	6	450	StCu	10	-	10	*
Holyhead	1034.6	-3	NW'N	4	bc-	51	92	8	1500	StCu	5	-	5	3
Liverpool (Bidston)	1033.0	-2	W'N	5	bc-	47	92	8	-	-	0	Ci	4	5
Chester (Shotwick)	1033.5	-2	WNW	4	c-	49	85	4	1500	StCu	7	-	7	*
Spurn Head	1029.8	-2	W'N	4	b	46	92	7	-	-	0	-	0	4
Nottingham	1031.4	*	W	2	b	47	92	6	-	-	0	-	0	*
Cranwell	1030.7	-1	WNW	4	mmb	43	97	5	-	-	0	Ci	1	
Gorleston	1029.4	-1	W'N	2	mb+	45	92	5	2500	St	3	-	3	0
Valencia (Cahirciveen)														
Roches Point														
Pembroke (St. Ann's H.)	1035.4	-3	NNW	4	o	49	75	8	2500	StCu	10	-	10	3
Ross-on-Wye	1033.5	-1	NNW	2	o	48	75	8	2500	StCu	10	-	10	*
Benson	1032.2	-1	NW	2	o	47	85	6	*	StCu	10	-	10	*
Andover	1033.3	-1	WSW	2	o	47	85	6	2500	StCu	10	-	10	*
S. Farnborough	1032.4	-2	WNW	2	mb	47	85	6	-	-	0	-	0	*
London (Kew Obsy.)	1032.1	-1	WNW	1	b-	48	75	6	-	-	0	-	0	*
Croydon	1032.0	-1	NW	2	o	47	85	5	2500	StCu	10	-	10	*
Clacton-on-Sea	1030.2	0	W	2	bc	44	92	5	7200	StCu	5	-	5	0
Shoeburyness	1030.8	-2	W	1	mmo	46	85	5	2500	St	10	-	10	*
Grain	1031.3	-1	W	3	c-	48	85	5	2500	StCu	8	-	8	0
Lympne	1030.9	-2	W	1	o	44	92	4	2500	StCu	10	-	10	*
Scilly (St. Mary's)	1036.8	-2	NE'N	3	o	50	75	8	4000	StCu	10	-	10	3
Falmouth (Pendennis)	1035.2	-1	NNE	3	o	49	85	6	2500	StCu	10	-	10	0
Plymouth (Cattewater)	1035.0	-1	N	2	o	49	75	7	1500	St	10	-	10	0
Portland Bill	1034.0	-2	NNW	3	o	47	85	6	450	St	10	-	10	1
Southampton (Calshot)	1033.5	-1	W'N	3	o	47	85	8	1500	StCu	10	-	10	0
Dungeness	1031.1	-2	W	2	o	46	97	6	2500	St	10	-	10	2
Jersey 7h / Guernsey 1h	1033.3	-1	NNE	2	o	47	85	7	2500	StCu	10	-	10	0

LONDON OBSERVATIONS.

24 HOURS ENDED 0900 G.M.T. 17th

	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.
Kew } 24 hours ended 0700	om	ombm	ombcm	*	*	32	-	-	0.0	*	*
Croydon } 24 hours ended 0700	om	sm	omom	*	*	41	-	-	0.0	*	*
Greenwich (Royal Obsy.)	om	og	o	50	44	39	-	-	0.0	75	85
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*	51	45	37	-	-	0.0	75	84
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	0.0	*	*
Camden Square	o	c	*	50	43	41	-	Tr.	*	*	85
Kensington Palace	oo	ob	*	49	44	37	-	0.2	*	79	86
Hampstead Observatory	*	*	*	47	41	38	-	-	0.0	*	93

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 16th

South Kensington

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

Kew Observatory

Max.	Time.	Min.	Time.
0.6	21h. 16th	0.3	5h. 17th
0.9	13h. 17th		

POLE STAR RECORD at Greenwich Obsy.

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

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13.00	1.10	9
δ Ursae Minoris	13.00	0.59	8

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 today in 1300 & 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.	Strength.	Direc.
15h.	C	5	-	65°
19h.	C	5	-	25°
01h.	C	6	-	110°
07h.	C	6	-	180°

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

18th-19th November, 1922.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.20 / 7.22	11.38 / 11.39	3.56 / 3.55
Greenwich	7.24 / 7.26	11.45 / 11.43	4.6 / 4.5
Wick	8.9 / 8.12	11.57 / 11.57	3.45 / 3.43
Valencia	8.7 / 8.9	12.26 / 12.26	4.45 / 4.44

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.
jp 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 c indicates slight and repetition of letters continuity, thus:—
R = heavy rain.
rr = continuous moderate rain.
r°/°= continuous light rain.

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.

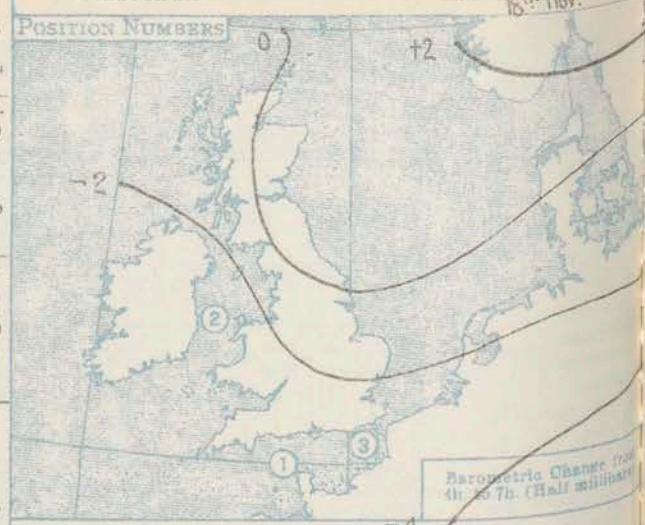
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

† 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	WEATHER. 13h.-18h. 17th	WEATHER. 18h. 17th to 1h. 18th	WEATHER. 1h.-7h. 18th	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	cqp	omr	cq	bcqp	47	38	•	1	1	<0800	<2100	0.7
Stornoway	p	oo	c	o	49	45	•	1	2	-	-	0.0
Wick	op.q	oo	ocp.q	cp.q	48	43	•	0.1	1	<0800	22.00	•
Castlebay							•					
Nairn	bqc	cqo	cqq	cq	50	46	•	1	-	<0800	-	0.0
Aberdeen	r.c	cbcc	cb	opr	50	45	43	1	1	<0800	03.30	0.1
Malin Head	oo	ome	oid.m	oidbc	51	47	•	-	1	-	<2100	0.4
Renfrew	omid.	ocid.	c	c	55	46	42	-	-	-	-	2.5
Edinburgh (Inchkeith)	bm	c	bc	bc	52	47	42	-	-	-	-	5.5
Leuchars	c	cor.	o	o	55	48	41	Trace	-	1550	-	1.5
Eskdalemuir	cocbc	bco	ocam	cambc	50	43	40	-	0.3	-	22.00	1.3
Tynemouth	bcm	bcm	bcm	bbc	52	48	43	-	-	-	-	•
Blacksod Point ...							•					•
Donaghadee	c	c	oq	cqp	52	49	•	-	Trace	-	03.30	•
Birr Castle ...	occo	o	o	occo	50	47	46	-	-	-	-	•
Holyhead	or.o	oocbc	coc	cbccq	51	49	47	Trace	-	1230	-	0.0
Liverpool (Bidston) ...	oc	cbc	p.	p.	50	47	41	-	Trace	-	03.30	0.7
Chester (Shotwick) ...	omo	ocm	obbco	ocbcp.	52	47	42	-	Trace	-	04.30	•
Spurn Head	b.bc	b-bc	c	c	47	45	•	-	-	-	-	4.5
Nottingham	b	b-bcm	b	bbc	51	43	40	-	-	-	-	0.3
Cranwell	b.3bc	mm	bm	o	51	41	38	0.2	-	-	-	6.7
Gorleston	of	bm	bcocm	o	51	44	40	-	-	-	-	4.0
Valencia (Cahirciveen)	oo		o	o	52	47	43		-		-	0.0
Roches Point							•					•
Pembroke (St. Ann's H.)	oo	b-bc	o	o	50	47	•	-	-	-	-	0.0
Ross-on-Wye	oo	cuovo	obcwo	oco	50	44	35	-	-	-	-	0.3
Benson...	o	o	o	o	49	44	37	-	-	-	-	•
Andover	oo	o	om	om	48	41	37	-	-	-	-	0.0
S. Farnborough ...	omo	ocbcb	bco	o	48	42	32	-	-	-	-	0.0
London (Kew Obsy.)...	om	ombm	cmbcmw	cmwbc	49	43	32	Trace	-	-	-	0.0
Croydon	om	om	om	omm	48	45	41	-	-	-	-	0.0
Clacton-on-Sea ...	ogm	ocbcm	bcm	bccm	46	42	39	-	-	-	-	0.6
Shoeburyness	om	om	pmc	bc	48	42	39	Trace	-	-	-	0.0
Grain	omofm	omomo	bom	cmbm	48	41	34	-	-	-	-	0.0
Lympne	om	f-m	ombcbm	com	45	40	35	-	-	+	-	0.0
Scilly (St. Mary's) ..	co	o	o	o	51	47	•	-	-	-	-	0.0
Falmouth (Pendennis)	om	om	om	om	49	47	•	-	-	-	-	0.0
Plymouth (Cattewater)	om	oo	ob	bbcc	49	46	37	-	-	-	-	0.9
Portland Bill	mo	oo	o	o	49	41	•	-	-	-	-	•
Southampton (Calshot)	oo	oo	o	o	47	45	41	Trace	-	-	-	0.0
Dungeness	f.m	oo	o	form	47	40	•	-	-	-	-	•
Jersey 7h .. / Guernsey 1h	o	o	o	o	48	46	•	-	-	-	-	0.0

ISALLOBARS.



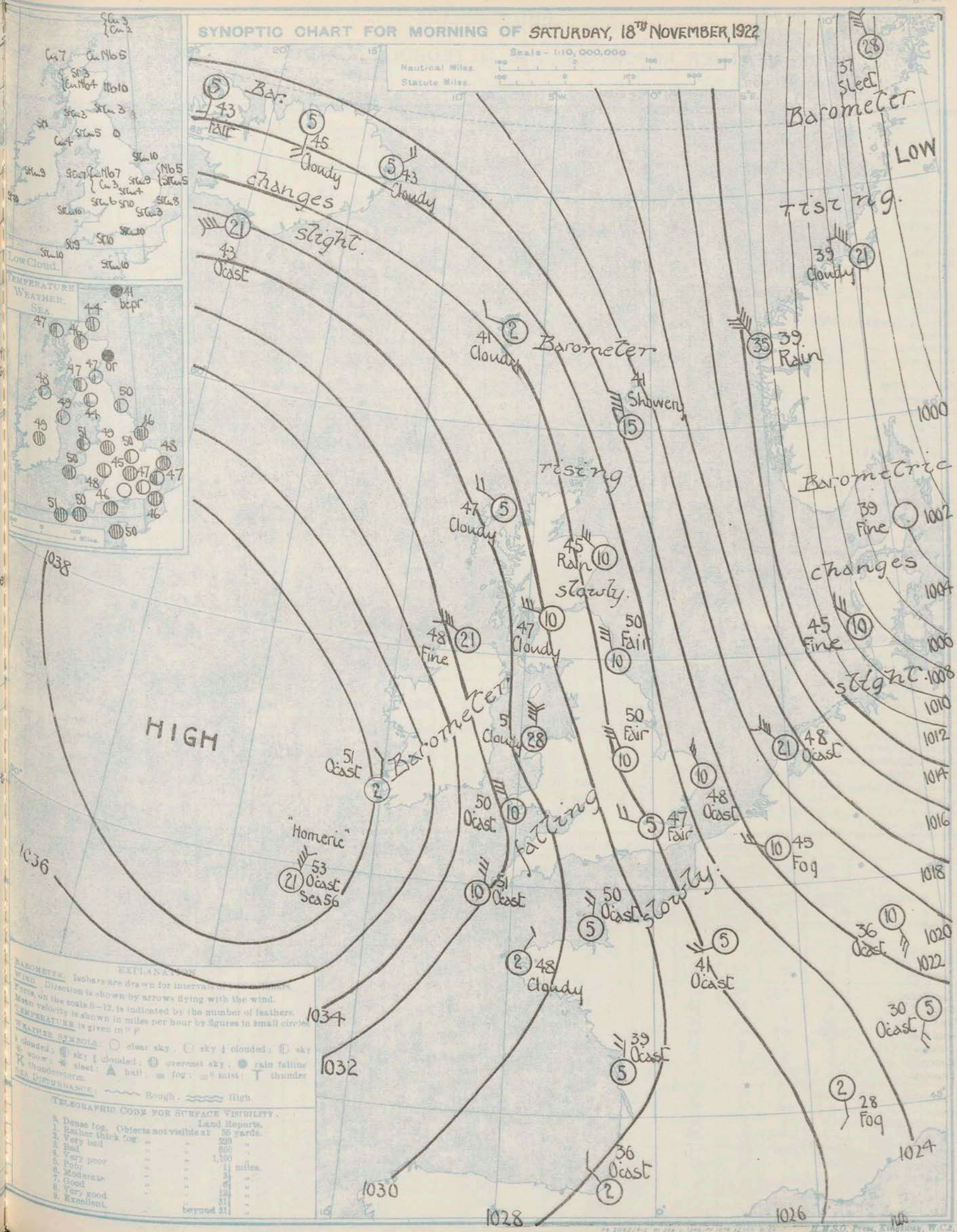
Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	17th 10h	Hibernia	W.NW	4	c	50	53
3	18th 3h	Dieppe.	NW'N	1	c-	49	51

GENERAL INFERENCE.

The anticyclone now lies off the west of Ireland and maintains its intensity. Winds over the British Isles will be northerly. Weather will be cloudy with some brighter intervals and a moderate temperature. Slight rain may occur locally except in the southwest districts.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday 18th November, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind northerly, light or moderate; cloudy, perhaps slight rain locally, brighter periods; visibility moderate to good; moderate temperature.	Similar conditions persisting beyond the 24 hours.
5. S.W. England 6. South Wales	Wind N to NE, light or moderate; cloudy, brighter periods; visibility moderate to good; moderate temperature.	
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	Wind northerly, moderate, fresh in places; cloudy, slight rain locally, brighter intervals; visibility moderate to good; moderate temperature.	
19. S.E. Ireland 20. S.W. Ireland	As 5 and 6.	



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION Saturday, 18th November 1922. No. 322.

Observations at 0100 G.M.T. 18th

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1021.2	+3	NNW	4	bc-	44	85	7	-	-	0	ASt	10	•
Stornoway	1020.1	0	N	4	0	•	•	5	•	•	•	•	•	•
Wick	1023.6	+1	NW	4	cpr.	47	92	8	2500	CuNb	7	-	7	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1033.0	0	WNW	5	o/r	51	97	7	4000	St	10	-	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1026.3	-1	W	4	b-	49	85	8	-	StCu	2	-	2	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1026.0	-2	W	2	b	50	85	6	-	-	0	ASt	3	•
Blacksod Point														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1032.8	-4	NW	5	c-	51	92	8	1500	StCu	7	-	7	•
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1025.8	-4	W	4	o	46	92	6	-	-	0	ASt	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1027.7	-3	W	3	mmb	41	97	5	-	-	0	-	0	•
Gorleston	1025.8	-2	WNW	3	o+	45	97	7	4000	St	10	-	10	•
Valencia (Cahirciveen)	1038.7	-2	NW'N	2	o	49	92	9	-	-	0	ASt	9	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1033.9	-1	NNW	3	o	50	85	8	4000	StCu	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	•	•	•	•	•	46	•	•	•	•	•	•	•	•
Croydon	1029.8	-3	WNW	2	o	45	92	5	1500	St	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1027.9	-3	NW	3	c	42	92	5	2500	St	4	Ci	7	•
Scilly (St. Mary's)	1033.9	-2	NNE	3	o	51	75	8	4000	StCu	10	-	10	•
Falmouth (Pendennis)														•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1031.2	-2	N	3	o	44	85	6	-	-	0	ASt	10	•
Southampton (Calshot)	1030.3	-3	NW	4	o	46	92	8	2500	St	10	-	10	•
Dungeness	1028.8	-2	N	2	o	42	97	6	2500	St	10	-	10	•
Jersey 7h / Guernsey 1h	1031.8	-3	N	2	o	48	85	8	4000	St	10	-	10	•

Observations at 0700 G.M.T. 18th

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1021.9	0	NNW	4	bc/r	41	75	7	4000	CuNb	5	-	5	3
Stornoway	1029.1	0	NW	2	c-	47	85	6	4000	Cu	7	-	7	1
Wick	1024.5	+2	NW	4	c	44	97	8	2500	CuNb	5	CiSt	7	0
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	1027.1	•	WNW	2	c	46	85	8	1500	St	7	-	7	•
Aberdeen	1025.5	+2	NW'N	3	or.	45	97	7	1500	Nb	10	-	10	0
Malin Head	1031.5	-2	NW	5	b/r	48	97	8	4000	St	1	-	1	5
Renfrew	1028.0	-2	WNW	3	c	47	75	8	2500	StCu	4	ASt	7	•
Edinburgh (Inchkeith)	1026.5	+2	WNW	3	bc-	47	75	8	-	StCu	3	Ci	4	2
Leuchars	1026.1	+1	WNW	4	b-	49	65	8	2500	StCu	9	-	9	•
Eskdalemuir	1027.4	0	NNW	3	bc	44	75	7	4000	StCu	5	-	5	•
Tynemouth	1025.1	0	NNW	3	bc	50	75	7	-	-	0	ASt	4	2
Blacksod Point	1029.4	-1	WNW	3	bc-	49	85	8	4000	Cu	4	-	4	1
Donaghadee	1034.2	•	W	1	o-	49	92	6	2500	StCu	9	-	9	•
Birr Castle	1029.4	-2	NNW	6	c	51	92	8	1500	StCu	7	-	7	4
Holyhead	1028.8	-2	W	5	o/r	49	97	7	1500	CuNb	10	-	10	5
Liverpool (Bidston)	1028.3	-2	NW'W	6	o/r	51	85	6	1500	St	9	-	9	•
Chester (Shotwick)														
Spurn Head	1024.3	-1	NW'N	5	o	46	92	6	4000	StCu	10	-	10	4
Nottingham	1025.5	•	NNW	3	bc+	50	85	5	2500	StCu	4	Ci	6	•
Cranwell	1025.4	-2	NW	3	o	47	92	6	2500	StCu	9	-	9	•
Gorleston	1023.0	-2	NNW	3	o	48	85	6	4000	Nb	10	-	10	0
Valencia (Cahirciveen)	1035.9	-2	N	1	o	51	85	7	4000	St	10	-	10	1
Roches Point														
Pembroke (St. Ann's H.)	1031.4	-2	NNW	3	o	50	85	8	4000	StCu	10	-	10	2
Ross-on-Wye	1028.2	-2	WSW	2	c-	48	85	8	2500	StCu	6	Ci	7	•
Benson	1026.8	-2	W	2	o	45	92	7	-	St	10	-	10	•
Andover	1028.0	-3	W	4	o	44	92	6	2500	StCu	10	-	10	•
S. Farnborough	1027.2	-3	W	1	o-	45	92	7	2500	St	9	-	9	•
London (Kew Obsy.)	1026.5	-3	WNW	2	bc+	47	85	6	4000	StCu	3	CiSt	5	•
Croydon	1026.4	-3	NW	2	o	47	92	6	1500	St	9	-	9	
Clacton-on-Sea	1024.5	-3	WNW	3	c+	47	92	6	5700	StCu	8	-	8	0
Shoeburyness	1025.0	-5	NW	3	bc	48	85	7	5700	StCu	2	Ci	4	•
Grain	1025.7	-2	W	3	mo	47	92	6	2500	StCu	10	-	10	0
Lympne	1025.4	-3	W	2	o	46	97	5	1500	St	10	-	10	•
Scilly (St. Mary's)	1032.9	-1	NNE	3	o	51	92	8	4000	StCu	10	-	10	3
Falmouth (Pendennis)	1032.4	0	NNE	3	o	50	85	6	4000	St	9	-	9	0
Plymouth (Cattewater)	1031.0	-1	-	0	c+	48	92	8	2500	St	7	-	7	0
Portland Bill	1029.0	-2	N	3	o	46	85	6	450	St	10	-	10	0
Southampton (Calshot)	1028.0	-3	WNW	3	o	47	92	7	2500	StCu	10	-	10	0
Dungeness	1025.6	-2	NW	2	o	46	97	7	4000	Cu	10	-	10	2
Jersey 7h / Guernsey 1h	1029.2	-1	N	2	o	50	85	7	2500	StCu	10	-	10	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR Friday, 17th Nov.

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 16th °F.	Temperature. Max. Day. 17th °F.	Rainfall.† Night 17h.-9h. 16th-17th mm.	Rainfall.† Day 9h.-17h. 17th mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 17th hr.
Banff								
Montrose	*	*	47	54	-	1		0.7
Llandudno	o	o	42	51	-	-		0.0
Colwyn Bay	c	c	46	50	-	-		0.0
Rhyl	c	c	42	50	-	-		0.1
Southport	opcbc	bcco	45	49	-	-		1.2
Blackpool	c	o	45	49	-	-		0.8
Harrogate	b	b	38	53	0.1	-		7.2
Skegness	fb	bm	?	?	0.1	-		3.0
Aberystwyth	ooc	o	46	50	-	-		0.0
Bath	o	om	38	48	-	-		0.0
Leamington Spa	o	o	35	51	-	-		0.0
Lowestoft	ocb	bbco	36	44	-	-		4.0
Felixstowe	om	bm	37	47	-	-		0.5
Southend	omo	o	37	47	-	-		0.0

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 16th °F.	Temperature. Max. Day. 17th °F.	Rainfall.† Night 17h.-9h. 16th-17th mm.	Rainfall.† Day 9h.-17h. 17th mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 17th hr.
Paignton	ome	o	33	48	-	-		0.0
Ilfracombe	o	o	40	50	-	-		0.0
Bude	o	o	33	53	-	-		0.0
Penzance	o	oco	40	51	-	-		0.0
Falmouth Observatory	o	o	38	49	-	-		0.0
Torquay	o	o	38	45	-	-		0.0
Weymouth	o	o	33	47	-	-		0.0
Bournemouth	o	o	36	46	-	-		0.0
Portsmouth (S'thsea)	om	om	36	48	-	-		0.0
Worthing	o	o	36	48	-	-		0.0
Brighton	m	o	36	48	-	-		0.0
Eastbourne	o	o	35	48	-	-		0.0
Hastings	om	omf	34	46	Trace	-		0.0
Folkestone	f	f	40	49	-	-		0.0
Tunbridge Wells	omo	oom	35	47	-	-		0.0
Ramsgate	o	ow	? 36	47	-	-		0.0
Margate	o	o	37	47	-	-		0.0
Deal	o	om	39	46	-	-		0.0

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 2. § See footnote page 1.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22277 SUNDAY, 19th NOVEMBER 1922.

Observations at 1300 G.M.T. 18th / Observations at 1800 G.M.T. 18th

Stations	Barom. at M.S.L. mb (13h)	Change in 3 Hours‡	Wind Direc.	Wind Force 0–12	Weather	Temp. °F.	Humidity %	Visibility§ 0–9	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0–10	Upper Form	Total Amt. 0–10	State of ground	Barom. at M.S.L. mb (18h)	Change in 3 Hours‡	Wind Direc.	Wind Force 0–12	Weather	Temp. °F.	Humidity %	Visibility§ 0–9	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0–10	Upper Form	Total Amt. 0–10	Sea 0–9
Lerwick	1023.5	+1	N'W	5	bc	41	75	7	4000	Cu Nb	5	-	5	*	1024.1	0	NNW	2	c+	39	75	7	-	-	0	A St	8	1
Stornoway	1029.4	0	NNW	3	opr0	48	92	6	450	St	10	-	10	*	1029.0	0	NNW	3	opr0	47	92	6	450	St	10	-	10	2
Wick	1025.7	+1	NW	3	bc-	47	85	8	2500	Cu Nb	3	A Cu	4	*	1026.7	0	NW	3	c	43	94	8	2500	Cu Nb	7	-	7	1
Castlebay														*														
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1027.5	*	W	1	o+	46	85	8	1500	St	9	*	9	*
Aberdeen	1026.0	-1	NNW	4	bpr0	48	85	8	2600	Cu	3	-	3	1	1026.3	+1	NW'N	3	b-	44	92	7	1500	St	2	-	2	0
Malin Head	1031.7	0	NNW	5	o	49	92	8	5400	St Cu	10	-	10	*	1031.4	0	N	5	o	49	92	8	5400	St Cu	10	-	10	4
Renfrew	1028.1	-1	NW	3	o+	50	75	7	2500	St Cu	9	-	9	0	1028.1	0	NW	3	o	47	85	7	2500	St Cu	9	-	9	*
Edinburgh (Inchkeith)	1027.2	+1	WNW	1	bc+	49	75	8	*	Cu	4	Ci Cu	6	*	1027.4	0	NW	3	bc	47	85	8	*	St Cu	6	-	6	2
Leuchars	1027.1	0	NNW	2	o	49	75	8	4000	St Cu	8	Ci St	9	0	1027.1	0	NW	1	o	46	85	8	4000	St Cu	9	-	9	*
Eskdalemuir	1027.5	0	W	2	o	47	75	7	2500	St Cu	10	-	10	0	1027.8	0	-	0	o	42	85	6	2500	St Cu	9	-	9	*
Tynemouth	1026.3	+1	N	4	c	48	75	6	4000	Nb	8	-	8	*	1026.5	0	W	1	b/r	45	85	6	-	-	0	A Cu	3	2
Blacksod Point														*														
Donaghadee	1029.6		NNW											*	1030.1	+1	N	3	o	50	85	8	4000	St	4	A St	10	3
Birr Castle	1033.0	*	NW	2	c-	51	75	8	2500	St	7	-	7	*	1031.9	*	NW	1	b-	45	92	7	4000	Cu	3	-	3	*
Holyhead	1029.0	-2	N	6	o+	50	85	8	1600	St Cu	10	-	10	1	1028.8	0	NNE	5	od0	50	85	7	1500	St Cu	10	-	10	5
Liverpool (Bidston)	1027.8	+1	NW'W	3	b	49	85	7	4000	St Cu	1	Ci Cu	2	*	1028.0	0	NNW	2	o+	47	92	8	2500	St	10	-	10	3
Chester (Shotwick)	1027.9	0	NW'N	6	bc-	51	75	7	1500	St	2	A Cu	4	0	1028.0	0	WNW	3	o+	48	85	6	2500	St	10	-	10	*
Spurn Head	1020.8	-1	NW'N	6	cjp	48	85	7	4000	Cu Nb	8	-	8	*	1025.0	+2	NW	6	bcjp	45	92	7	1500	St	4	-	4	5
Nottingham	1025.7	*	N	3	bc	52	75	6	2500	Cu	4	Ci Cu	5	*	1026.7	*	N	1	o	48	85	6	-	-	0	Ci St	9	*
Cranwell	1028.3	-1	N	4	c+	50	85	7	4000	St Cu	6	A Cu	8	1	1026.5	+2	N'W	3	c-	44	92	6	2500	St Cu	8	-	8	
Gorleston	1023.0	0	NNW	5	bcpr	49	75	6	4000	Nb	5	-	5	*	1023.3	+1	N'W	4	c+	44	85	7	2500	St	8	-	8	1
Valencia (Cahirciveen)	1034.7	-3	N'W	3	c	53	85	8	1500	St Cu	8	-	8	1	1036.3	+1	N	3	c-	53	85	7	1500	St	8	-	8	
Roches Point														*														
Pembroke (St. Ann's H.)	1029.7	-2	NW	4	c	52	85	8	4000	St Cu	7	-	7	*	1029.2	0	N	4	o+	49	75	8	4000	St Cu	10	-	10	
Ross-on-Wye	1026.7	-2	N	4	bc	53	65	9	4000	St Cu	3	A Cu	5		1027.3	+1	N'W	3	o+	47	85	8	2500	St	9	-	9	*
Benson	1025.?	-1	NNW	4	o	51	85	7	*	St Cu	10	-	10	1	1026.1	+2	-	0	o	47	92	7	*	St	10	-	10	*
Andover	1026.3	-2	NNW	3	o	52	75	7	1500	St Cu	5	A Cu	10	0	1027.6	0	NNW	3	o+	47	85	6	2500	St Cu	9	-	9	*
S. Farnborough	1026.1	-1	W'N	3	mmo	51	75	6	1500	St Cu	10	-	10	0	1025.7	+1	NNW	2	mmo	48	76	6	*	St Cu	10	-	10	*
London (Kew Obsy.)	1025.2	-2	NNW	2	o	52	75	6	2500	St Cu	10	-	10	1	1025.8	+2	N	2	o	49	75	6	4000	St Cu	10	-	10	*
Croydon	1025.6	-1	N'W	2	o	50	75	5	1500	St Cu	10	-	10	1	1025.6	+2	N'E	4	o	48	75	5	2500	St Cu	10	-	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1024.1	+1	NW	3	bc-	45	92	8	4000	Cu	5	-	5	0
Shoeburyness	1024.1	0	NW	3	bc/r	51	75	7	4000	Cu	4	-	4	*	1024.3	0	NNW	4	b/r	45	85	7	4000	Cu	3	-	3	*
Grain	1024.4	-1	NNW	3	bc/r	49	75	8	4000	St Cu	2	A Cu	5	1	1025.0	+1	N	4	or0r	46	85	7	1500	Nb	10	-	10	0
Lympne	1024.3	-2	NNW	3	o/r	47	85	8	5400	St Cu	7	A Cu	9	5	1024.1	+1	N'W	4	bc	45	85	7	4000	St Cu	4	-	4	*
Scilly (St. Mary's)	1032.0	-1	NNW	3	c-	53	85	8	4000	Cu	8	-	8	*	1029.5	-1	NNW	4	bc	51	85	8	4000	Cu	6	-	6	3
Falmouth (Pendennis)	1030.4	-4	NNE	4	o	53	85	7	2500	St Cu	9	-	9	*	1027.6	-1	N	6	b-	50	86	8	2500	St Cu	2	-	2	1
Plymouth (Cattewater)	1028.2	-4	NNW	4	bc-	55	85	8	2500	St Cu	6	-	6	0	1027.7	0	NNW	3	b+	50	85	7	2500	St Cu	3	-	3	0
Portland Bill	1027.7	-2	W	3	o	53	85	7	2500	St	10	-	10	*	1027.0	-1	NNW	3	bc-	51	75	7	-	-	0	Ci Cu	4	2
Southampton (Calshot)	1026.0	-3	NW'N	4	o+	50	92	6	4000	St Cu	7	A St	10	0	1026.4	+2	NNW	3	o	49	85	6	4000	St Cu	7	A Cu	10	0
Dungeness	1024.1	-1	N	4	o-	48	85	8	5400	St Cu	9	-	9	*	1024.0	0	N	4	bc-	45	85	8	4000	St Cu	6	-	6	3
Jersey 7h / Guernsey 1h	1027.2	-1	NW	2	o	53	85	7	2500	St Cu	10	-	10	*	1025.5	-1	NW	2	o	53	85	7	2500	St Cu	10	-	10	0

London Observations

24 Hours ended 0900 G.M.T. 19th (Sunshine: Yesterday; Humidity 9h: To-day)

London Observations	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. %
Kew	bwoz	ozbczo	pbhxomd	*	*	27	-	-	0.4	*	*
Croydon {24 hours ended 0700	omm	ocomz	od0bmz	*	*	29	-	Tr.	0.2	*	*
Greenwich (Royal Obsy.)	o	opbco	olrbco	51	38	28	-	-	0.0	75	86
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*						0.0		
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*		*	*
Camden Square	c	c	*	53	49	33	-	-	*	*	84
Kensington Palace	ooc	bco	*	52	39	30	-	-	*	76(18h)	85
Hampstead Observatory	*	*	*						0.1	*	

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 18th

South Kensington

Max.	Time.	Min.	Time.

Kew Observatory

Max.	Time.	Min.	Time.

Pole Star Record at Greenwich Obsy.

Exposure from 18th ......h......m. to 19th ......h......m.

Stars.	Exposure. h. m.	Record. h. m.	%
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 2ins. deep.
4 = Bare ground frozen (but more than 2ins. deep.
5 = Dew (or wet grass but not wet ground).
6 = Skating today in 1300 & 1800 reports (Near 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.	*	-	-	-
18h.	C	6	-	140
01h.	C	6	-	80
07h.	C	5	-	110

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

19th & 20th November, 1922.

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).
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.
jp 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.

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.

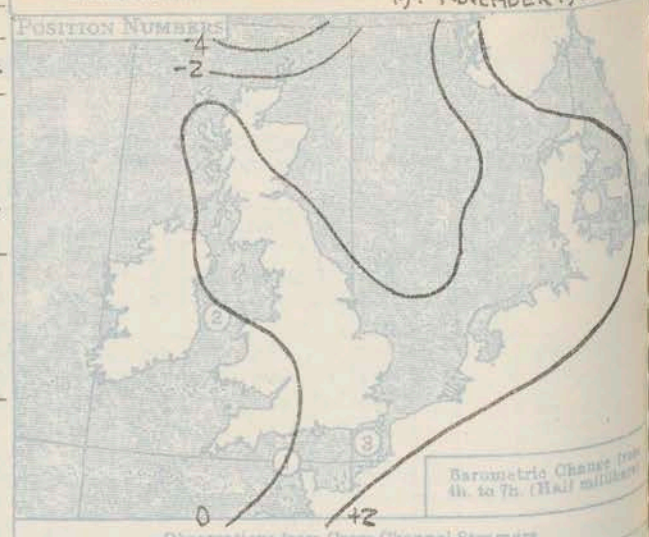
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1–3
2	4–7
3	8–12
4	13–18
5	19–24
6	25–31
7	32–38
8	39–46
9	47–54
10	55–63
11	64–75
12	Above 75

' 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. 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. Hours.
Lerwick	bcq	bc	bc	o	47	37	•	-	-	-	-	2.9
Stornoway	c	p	bbc	c	49	42	•	1	-	-	-	0.9
Wick	b.bc	c	or.r.	d.d.m	47	42	•	-	0.4	-	22.00	•
Castlebay							•					
Nairn	cq	bcq.c.o	opqc	oc	48	43	•	-	1	-	<2100	0.2
Aberdeen	qf.r c	c.bc	bcco	or.bc	48	43	36	0.5	0.4	<08.00	01.30	2.7
Malin Head	bc.c.q	oe	oid.m	oid.m	50	47		-	0.3	-	<2100	1.0
Renfrew	c.o	oo	oc	bbcxo	50	36	23	-	-	-	-	1.2
Edinburgh (Inchkeith)	c	c	o	o	50	44	42	-	-	-	-	3.2
Leuchars	c	c	c	c	49	40	29	-	-	-	-	1.6
Eskdalemuir	bc.bo	c.om	oom	omcbc	48	35	19?	-	-	-	-	1.7
Tynemouth	cmq	omp	bcm	om	50	44	40	Trace	-	15.30	-	•
Blacksod Point ...							•					•
Donaghadee	c	cp	bc	bc	51	46	•	-	-	-	-	•
Birr Castle ...	dc.o	c.o.bc	bcco	od.d.	52	40	32	0.1	0.4	<08.00	-	•
Holyhead	bc.co	c.oir.o	od.d.m	od.oo	51	42	?	trace	trace	14.30	<2100	2.2
Liverpool (Bidston) ...	o.bc.b	bc.o	o	o	50	45	34	-	-	-	-	6.1
Chester (Shotwick) ...	oc.bcq	bcq.c.o	om	om	51	43	38	-	-	-	-	•
Spurn Head	bc.cp	cpr	p	od	48	41	•	0.2	2	11.00	<2100	0.6
Nottingham	b.bc	c	ob	c	52	38	31	-	-	-	-	0.4
Cranwell	o.c	pr.	or.m	o	50	38	35	trace	-	15.30	-	1.0
Gorleston	c.bcqp	cprq	bccpr	bbcdo	50	41	37	0.3	1	<08.00	<2100	2.5
Valencia (Cahirciveen)	o.c	o.c	b	c	54	44	37		-		-	2.0
Roches Point							•					•
Pembroke (St. Ann's H.)	oo	c	oid.	oid.	53	46	•	-	1	-	<2100	4.4
Ross-on-Wye	bc.crp.o	c.bc.cbco	oq	oq	54	43	41	-	-	-	-	4.8
Benson...	o	o	obcbx	bbcco	52	30	25	-	-	-	-	•
Andover	om.co	o.c.bc.o	om	om	54	34	29	-	-	-	-	2.0
S. Farnborough ...	o.com	oo m	oo	mm	53	34	26	-	Trace	-	<2100	1.3
London (Kew Obsy.)...	bw.oj	oz.bcz.oj	ojob	bromw	52	39	27	-	-	-	-	0.4
Croydon	omm	o.c.omz	od.ob	bmom	51	37	29	-	Trace	-	22.00	0.2
Clacton-on-Sea ...	cmp.bc	bc.cpbo	bcvcpb	bpccm	51	37	32	1	0.3	09.00	<2100	1.4
Shoeburyness	bc.cpr.b	bcpr.bcp	bbcc	pm	52	35	32	0.2	-	-	-	0.9
Grain	omr.bc	bc.bc.or.	bcm	or.b	51	35	29	0.2	0.1	12.30	<2100	1.0
Lympne	omm.o	o.c.bc.b	bbc	bbcomw	47	36	31	0.1	Trace	11.00	-	0.9
Scilly (St. Mary's) ...	co	o.c	opo	o	53	48	•	-	0.1	-	24.00	0.7
Falmouth (Pendennis)	omc	o.c.b	bcco		53?	45	•	-	-	-	-	1.8
Plymouth (Cattewater)	c	bc.coz						-		-		•
Portland Bill	oo	b.bc	o	o	54	42	•	-	-	-	-	•
Southampton (Calshot)	c	oo	ombcbm	bmom	52	40	37	-	-	-	-	1.2
Dungeness	oo	b.bc	c	cz	50	35	•	-	-	-	-	•
Jersey 7h. ...	o	o	o	o	55	46	•	-	-	-	-	0.0
Guernsey 1h.												

ISALLOBARS. 19th NOVEMBER 1922.



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	18th. 10h.	Hibernia	NNW	5	b	52	53
1	18th. 12h.	Ibex	N	5	b	53	54
3	19th. 3h.		N	4	b-	47	51

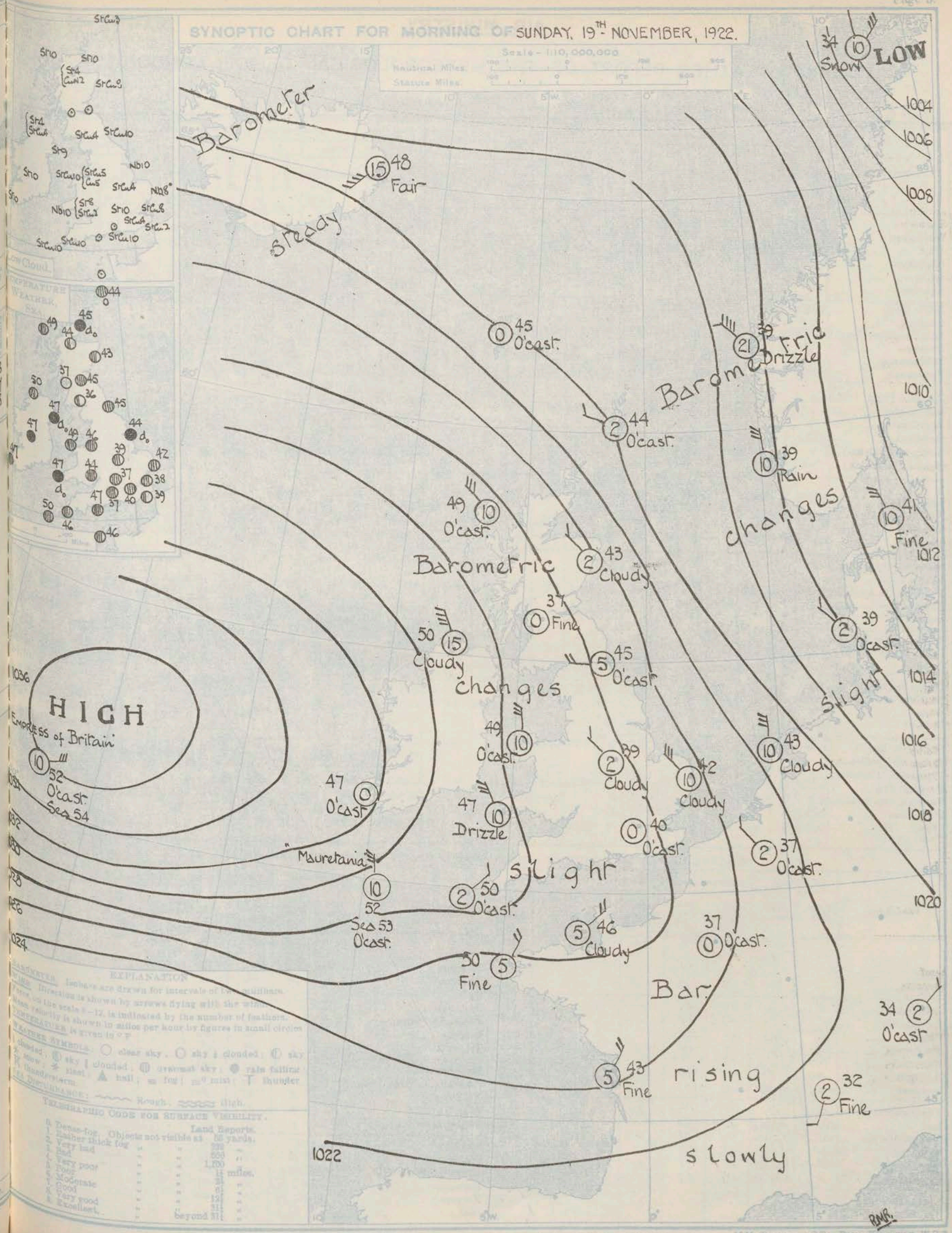
GENERAL INFERENCE.

The anticyclone persists off the West Coast of Ireland and winds will continue northerly or northwesterly over the British Isles. Temperature is likely to be rather lower than of late and there will continue to be much cloud with slight rain in places.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 19th November, 1922.	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	Wind N.W. to N., moderate; cloudy, slight rain in places, brighter intervals; visibility mainly good but morning mist locally; rather colder.	Similar conditions are likely to persist beyond the 24 hours.
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Wind W. to N.W., light or moderate; cloudy, slight rain in places; visibility mainly good; moderate temperature.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind northerly, light or moderate; cloudy, slight rain in places; some morning mist; rather colder.	

E.S.A.

† 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 19th NOVEMBER 1922. No. 323

Observations at 0100 G.M.T. 19th

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1022.4	-1	NNW	1	b	40	88	7	5700	StCu	2	-	2	.
Stornoway	1023.0	-2	N	1	b-	.	.	6	.	.	.	.	.	.
Wick	1024.3	-2	NNW	3	or,r,	44	97	7	800	St	10	-	10	.
Castlebay	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nairn	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Aberdeen	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Malin Head	1030.3	-1	W	2	od,	48	97	7	2500	St	10	-	10	.
Renfrew	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Edinburgh (Inchkeith)	1027.3	0	W	2	o+	46	92	7	-	St	10	-	10	.
Leuchars	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eskdalemuir	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Tynemouth	1027.4	0	W	2	0	45	85	7	4000	StCu	10	-	10	.
Blacksod Point ...														.
Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Holyhead	1029.2	0	N'E	4	od,	45?	97	6	1150	Nb	10	-	10	.
Liverpool (Bidston) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chester (Shotwick) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spurn Head	1025.6	0	WNW	5	oPR	42	97	6	4000	Nb	9	-	9	.
Nottingham	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cranwell	1026.8	0	NW'N	3	c	39	97	5	2500	StCu	8	-	8	.
Gorleston	1023.9	0	NW	2	b	41	92	7	5700	Cu	2	-	2	.
Valencia (Cahirciveen)	1033.9	0	E	2	b	46	97	7	-	-	-	-	-	.
Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pembroke (St. Ann's H.)	1029.4	-2	NNE	3	od,	47	92	8	1500	Nb	10	-	10	.
Ross-on-Wye	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Benson...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Andover	.	.	.	.	.	.	.	.	.	.	.	.	.	.
S. Farnborough ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
London (Kew Obsy.)...	.	.	.	.	.	41	.	.	.	.	.	.	.	.
Croydon	1026.6	0	NE'N	2	b	41	92	8	-	-	0	-	0	.
Clacton-on-Sea ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Shoeburyness	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Grain	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lympne	1025.1	+2	N	3	b	38	97	6	-	-	0	-	0	.
Scilly (St. Mary's) ...	1030.0	+1	ENE	3	0	50	92	8	4000	StCu	10	-	10	.
Falmouth (Pendennis)														.
Plymouth (Cattewater)	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Portland Bill	1027.0	0	NNE	4	0	48	88	7	450	St	10	-	10	.
Southampton (Calshot)	1027.6	0	NNW	2	mb+	45	92	6	-	-	0	-	0	.
Dungeness	1025.4	+1	N	3	b-	39	97	8	-	-	0	ACu	2	.
Jersey 7h }	1030.0	+1	NE	4	0	50	95	7	2500	St	10	-	10	.
Guernsey 1h }														

Observations at 0700 G.M.T. 19th

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1019.0	-4	WNW	1	o+	44	85	7	5700	StCu	3	ASt	10	0
Stornoway	1026.4	0	NW	3	o+	49	92	6	450	St	10	-	10	1
Wick	1022.4	-1	WNW	1	od,	45	97	6	800	St	10	-	10	1
Castlebay	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nairn	1025.1	.	W	1	bc-	44	85	8	1500	St	6	-	6	.
Aberdeen	1025.1	-1	NW	1	c	43	85	7	2500	StCu	8	-	8	0
Malin Head	1028.6	-1	NNW	4	c/r	50	92	8	4000	St	8	-	8	4
Renfrew	1027.3	+1	-	0	b	37	92	9	-	-	0	-	0	.
Edinburgh (Inchkeith)	1026.7	+1	NW	2	0	45	88	8	-	-	0	ASt	10	1
Leuchars	1025.9	0	NW	1	bc	40	92	8	4000	StCu	4	-	4	.
Eskdalemuir	1027.2	0	-	0	bc	36	97	7	4000	StCu	4	-	4	1
Tynemouth	1025.9	0	W	2	0	45	85	6	4000	StCu	10	-	10	.
Blacksod Point ...	1028.1	+1	WNW	2	od,	47	85	8	2500	St	9	-	9	2
Donaghadee	1030.1	.	W	1	od,	47	97	5	450	St	10	-	10	3
Birr Castle	1027.9	-1	N	3	o+	49	85	8	1500	StCu	10	-	10	2
Holyhead	1027.6	-1	NW	1	0	46	97	7	2500	StCu	10	-	10	.
Liverpool (Bidston) ...	1027.3	0	NW	4	0	45	97	5	1500	St	10	-	10	.
Chester (Shotwick) ...														
Spurn Head	1025.0	0	NW'W	4	od,	44	92	6	4000	Nb	10	-	10	4
Nottingham	1026.5	.	NW	1	c	39	97	5	2500	StCu	4	CiSt	7	.
Cranwell	1026.7	0	NNW	3	0	41	97	6	4000	StCu	10	-	10	.
Gorleston	1024.2	0	NW	3	c+	42	97	7	4000	Nb	8	-	8	2
Valencia (Cahirciveen)	1032.5	-2	-	0	0	47	85	8	4000	St	10	-	10	1
Roches Point	1028.7	-1	NNW	3	od,	47	85	8	1500	Nb	10	-	10	2
Pembroke (St. Ann's H.)	1027.3	-1	WNW	1	o	44	85	8	7200	St	10	-	10	.
Ross-on-Wye	1027.0	0	-	0	of	37	97	3	4000	St	10	-	10	.
Benson...	1027.3	-1	NW	2	o	42	97	5	1500	St	10	-	10	.
Andover	1027.1	0	-	0	mmo	37	97	5	-	-	0	ASt	10	.
S. Farnborough ...	1026.3	0	-	0	0	40	92	6	4000	StCu	4	ACu	9	.
London (Kew Obsy.)...	1026.6	0	NW	1	0	37	97	5	5700	StCu	9	-	9	.
Croydon														
Clacton-on-Sea ...	1024.8	0	WNW	2	c+	38	97	6	7200	StCu	8	-	8	1
Shoeburyness	1025.6	0	NW	1	mmo	38	88	6	4000	StCu	9	-	9	.
Grain	1025.8	0	NW	4	c	38	92	6	2500	St	2	ACu	4	0
Lympne	1026.5	0	NNW	3	c	36	92	5	450	St	7	ACu	8	.
Scilly (St. Mary's) ...	1029.0	-1	NE'E	1	0	50	85	8	4000	StCu	10	-	10	3
Falmouth (Pendennis)	1028.9	-1	N	3	0-	46	92	7	4000	StCu	10	-	10	0
Plymouth (Cattewater)														
Portland Bill	1027.0	0	NNE	3	0	47	75	6	-	-	0	ASt	10	2
Southampton (Calshot)	1027.0	-1	NW	3	0+	42	92	6	4000	StCu	10	-	10	0
Dungeness	1025.2	0	N	2	bc	39	97	6	4000	StCu	2	CiCu	5	2
Jersey 7h }	1026.5	0	NE	2	c	46	85	8	-	-	0	ACu	8	0
Guernsey 1h }														

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 17th-18th	Temperature. Max. Day. 18th	Rainfall.† Night 17h.-9h. 17th-18th	Rainfall.† Day 9h.-17h. 18th	Sunshine.	Sunshine. Sunrise to Sunset. 18th
			°F.	°F.	mm.	mm.	hr.	hr.
Banff								
Montrose	*	*	45	48	0.2	.		1.1
Llandudno	c	c	44	52	-	-		1.3
Colwyn Bay ...	c	c	49	61	-	-		0.9
Rhyl...	bc	bc.c	44	50	-	-		2.7
Southport	b.bc.b	b.bc.c.o	47	49	0.2	-		6.7
Blackpool	c.b	c.c.o	48	51	-	-		5.5
Harrogate	0	0	44	49	-	-		0.7
Skegness	mo.c.by	bc.co	40	51	-	-		4.5
Aberystwyth ...	o.c.b	b	48	51	-	-		4.0
Bath	o.c.bc.b	c.bc.b	43	56	-	-		3.6
Leamington Spa ...	o.c.b	c.b.om	47	51	-	-		0.7
Lowestoft	o.c	bc.cp	44	49	-	0.3		1.9
Felixstowe	om	cp.bc	41	51	.	0.3		1.8
Southend	0	c.bc.op	43	52	-	0.1		0.7
Paignton	ow.wm	bc.c.b	42	56	-	-		4.5
Ilfracombe	o.c.bc	bc	49	56	-	-		3.4
Bude								3.8
Penzance	bc	bc	49	56	-	-		2.2
Falmouth Observatory	0	o.bc.b	46	53	-	-		5.0
Torquay	bc	b	42	56	-	-		2.8
Weymouth	c	c	43	58	-	-		0.9
Bournemouth ...	oo	b oo	42	53	-	-		3.0
Portsmouth (S'thsea)	c.b.b	om	44	54	-	-		2.7
Worthing	b.bc	0	45	53	-	-		1.9
Brighton	0.b	0	45	53	-	-		0.0
Eastbourne	0	0	46	52	-	-		0.0
Hastings	0	or.o	45	51	-	0.2		0.0
Folkestone	0	d	38	48	-	0.3		0.0
Tunbridge Wells ...	0	og.o	45	51	-	-		0.9
Ramsgate	0	o.b.bc.c	43	49	-	-		0.9
Margate	0	o.c.bc	37	49	-	-		0.7
Deal	oo	bc.c	43	49	-	-		

* Information for these columns not usually received. † Frost & 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. 22278 Monday, 20th November 1922.

Observations at 1300 G.M.T. 1914

Stations.	Barom. at M.S.L. m.b	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	State of ground.
Lerwick	1018·3	0	NNW	3	o	47	85	7	4000	Sl.Cu	4	asl	10	*
Stornoway	1025·3	-1	W	2	o	49	85	6	450	St	10	-	10	*
Wick	1021·8	-1	NW	3	o/r	49	92	8	2500	CuNb	2	acu	10	*
Castlebay	*													*
Nairn														*
Aberdeen	1023·7	-2	NW'N	3	b	50	85	8	1500	St	2	Ci	3	1
Malin Head	1028·7	0	NNW	3	bc-	51	92	7	1500	St	3	acu	7	*
Renfrew	1026·4	-2	NW	3	bc+	52	75	8	4000	Sl.Cu	3	asl	4	0
Edinburgh (Inchkeith)	1025·3	-4	WSW	3	bm	47	85	6	-	Sl.Cu	1	Ci	3	*
Leuchars	1024·5	-3	WNW	3	bc	52	75	8	-	-	0	CiSt	6	0
Eskdalemuir	1026·1	0	W'N	3	b	48	75	8	4000	Cu	2	-	2	1
Tynemouth	1025·5	0	NNW	1	bc/r	47	85	6	4000	Sl.Cu	2	CiCu	4	*
Blacksod Point														*
Donaghadee	1027·6	-1	N	3	bc/r	51	85	8	4000	CuNb	3	acu	5	*
Birr Castle	1030·1	*	W	1	c/r	51	92	7	4000	SrCu	8	-	8	*
Holyhead	1027·6	-1	N	3	cr	49	92	8	1500	Nb	8	-	8	1
Liverpool (Bidston)	1026·5	0	NW	2	o	47	75	8	1500	Sl.Cu	10	-	10	*
Chester (Shotwick)	1027·0	-1	NNW	3	o	49	85	8	1500	St	10	-	10	5
Spurn Head	1024·9	0	NW'W	2	om	45	92	4	4000	Sl.Cu	10	-	10	*
Nottingham	1025·7	*	W	1	ffo	47	92	2	1500	St	7	acu	10	*
Cranwell	1025·3	-1	W	3	o	45	97	5	2500	St	10	-	10	0
Gorleston	1024·2	0	NW'N	3	bc-	49	75	7	2500	St	4	-	4	*
Valencia (Cahirciveen)														*
Roches Point														*
Pembroke (St. Ann's H.)	1028·7	0	-	0	o	49	75	8	4000	Sl.Cu	10	-	10	*
Ross-on-Wye	1027·1	-1	NW	2	o	49	85	9	4000	Cu	10	-	10	0
Benson	1026·8	-1	-	0	o	45	97	4	-	St	10	-	10	1
Andover	1027·1	0	NW	2	o	46	92	6	1500	St	10	-	10	0
S. Farnborough	1026·1	-1	W'N	2	om	47	85	5	-	-	0	acu	10	0
London (Kew Obsy.)	1026·6	-2	NNW	1	o	47	75	6	2500	St	3	asl	10	1
Croydon	1026·7	-1	WNW	2	ffo	45	85	3	4000	Sl.Cu	10	-	10	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	-
Shoeburyness	1025·7	0	WNW	1	o	46	85	6	2500	Sl.Cu	8	asl	10	*
Grain	1025·9	-1	NW	3	o	46	85	6	2500	St	10	-	10	1
Lympne	1025·0	-2	NNW	3	o+	47	85	7	800	St	10	-	10	0
Scilly (St. Mary's)	1029·0	0	N'E	3	o	50	85	8	4000	Sl.Cu	10	-	10	*
Falmouth (Pendennis)	1028·1	0	E	2	o	49	85	6	4000	St	10	-	10	*
Plymouth (Cattewater)	1028·0	-1	NW	2	o	49	85	6	2500	St	10	-	10	0
Portland Bill	1027·6	+1	NNE	2	o	48	75	6	450	St	10	-	10	*
Southampton (Calshot)	1027·2	-3	NW	2	o	46	92	5	4000	Sl.Cu	10	-	10	0
Dungeness	1025·0	0	N	2	bc+	48	75	7	4000	Sl.Cu	5	-	5	*
Jersey	1026·9	0	NE	2	bc	51	65	7	-	-	0	acu	4	*

Observations at 1800 G.M.T. 1914

Stations.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1019·1	+2	NNW	3	bc	44	92	7	-	-	0	asl	4	2
Stornoway	1025·4	0	WNW	1	odo	47	92	5	450	St	10	-	10	1
Wick	1021·8	0	NW	4	bc/r	46	97	8	450	St	5	acu	6	3
Castlebay														
Nairn														
Aberdeen	1024·5	*	-	0	o+	48	75	8	1500	St	9	-	9	*
Malin Head	1023·1	+1	NW'N	3	c-	48	85	7	1500	St	8	-	8	0
Renfrew	1028·0	0	NW	4	odo	48	97	7	2500	St	9	-	9	2
Edinburgh (Inchkeith)	1025·5	-1	WSW	3	o	48	85	7	2500	Sl.Cu	10	-	10	*
Leuchars	1024·5	-1	W	3	b/f	46	97	7	-	-	0	asl	3	2
Eskdalemuir	1024·1	0	-	0	b	44	92	8	4000	Sl.Cu	3	-	3	*
Tynemouth	1025·7	-1	WNW	3	b	42	92	8	2500	Sl.Cu	3	-	3	*
Blacksod Point	1024·6	0	W	2	o	46	85	6	-	-	0	asl	10	2
Donaghadee	1025·9	0	N	2	bc	48	92	8	7200	Sl.Cu	2	acu	5	1
Birr Castle	1029·3	*	WNW	1	oPR-	50	92	5	450	Nb	10	-	10	*
Holyhead	1027·4	0	N	3	o	51	92	8	2500	St	10	-	10	2
Liverpool (Bidston)	1026·6	-1	NW'W	2	bc-	49	85	9	-	-	0	asl	4	3
Chester (Shotwick)	1026·6	-1	NW	3	b-	43	92	7	4000	Sl.Cu	2	-	2	*
Spurn Head	1024·7	0	NW	3	o	45	97	5	450	St	10	-	10	3
Nottingham	1025·7	*	W	1	o	46	85	5	-	-	0	asl	10	*
Cranwell	1026·1	-1	WNW	2	o	44	97	5	2500	St	10	-	10	*
Gorleston	1023·5	0	NW'W	3	o+	45	92	6	2500	St	10	-	10	2
Valencia (Cahirciveen)	1030·5	+1	NNE	3	b	49	85	7	2500	St	1	-	1	0
Roches Point														
Pembroke (St. Ann's H.)	1028·1	0	-	0	o	48	85	8	4000	Sl.Cu	10	-	10	2
Ross-on-Wye	1027·0	0	SW	1	o	46	85	8	4000	Sl.Cu	10	-	10	*
Benson	1026·2	0	-	0	o	43	97	6	-	St	10	-	10	*
Andover	1027·1	0	-	0	o	44	92	5	1500	St	10	-	10	*
S. Farnborough	1026·5	0	-	0	mmo	43	97	5	-	-	0	asl	10	*
London (Kew Obsy.)	1026·3	0	NW	1	o	46	85	5	4000	St	10	-	10	*
Croydon	1025·3	0	W	1	ffo	44	92	4	2500	Sl.Cu	10	-	10	*
Clacton-on-Sea	1025·3	0	NW	3	o+	45	92	5	7200	Sl.Cu	10	-	10	0
Shoeburyness	1025·5	0	WNW	1	o	45	85	6	2500	Sl.Cu	10	-	10	*
Grain	1026·0	0	WNW	3	o	44	97	6	2500	St	10	-	10	0
Lympne	1025·4	0	NNW	3	o	43	92	5	5700	Sl.Cu	10	-	10	*
Scilly (St. Mary's)	1028·2	0	ENE	1	o	48	85	8	4000	Sl.Cu	10	-	10	3
Falmouth (Pendennis)	1028·2	-1	NE	2	opo	47	85	6	4000	Sl.Cu	10	-	10	0
Plymouth (Cattewater)	1027·8	0	N	2	o	47	92	6	2500	St	10	-	10	0
Portland Bill	1027·6	0	-	0	o	48	75	6	450	St	10	-	10	0
Southampton (Calshot)	1026·9	0	NW	2	o	45	97	6	4000	Sl.Cu	10	-	10	0
Dungeness	1025·5	0	N	2	o+	44	97	5	800	St	10	-	10	2
Jersey	1026·1	0	N	2	b	47	85	7	-	-	0	acu	2	0

London Observations

	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 0600 G.M.T. 20th								Yesterday.	To-day.	
Kew	omnom	cmom	omcw	*	*	35	-	-	0.0	*	*
Croydon (24 hours ended 0700)	omf	afm	om	*	*	36	-	-	0.0	*	*
Greenwich (Royal Obsy.)	0	0	om	47	39	28	-	-	0.1	82	79
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*	48	40	32	-	-	0.0	79	81
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	0.0	*	*
Camden Square	c	bc	*	47	41	34	-	-	*	*	83
Kensington Palace	o	o	*	47	41	30	-	-	*	85	81
Hampstead Observatory	*	*	*	45	38	32	-	-	0.0	*	84

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 19th

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

Pole Star Record at Greenwich Obsy.

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

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13 30	0·18	2
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 today in 1300 & 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	6	-	130°
19h.	C	5	-	170
01h.	C	5	-	70
07h.	C	6	-	60

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

20th, 21st November, 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.24 / 7.26	11.99 / 11.59	3.54 / 3.52
Greenwich	7.28 / 7.29	11.46 / 11.46	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).
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.
jp 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(c) = "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.

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.

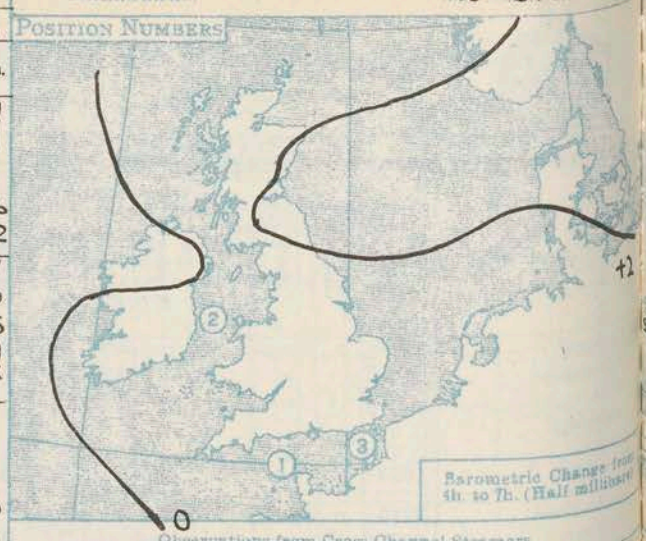
§ For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 19th	13h.-18h. 19th	18h. 19th to 1h. 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. Hours.
Lerwick	c	cr	bc	bc	47	44	•	0.2	–	0900	–	0.0
Stornoway	oo	odb	bbc	oo	50	46	•	0.1	–	1630	–	0.7
Wick	oido	oidc	cido	oo	50	43	•	0.4	0.5	<0800	<2100	•
Castlebay							•					
Nairn	cg	cgo	og	og	50	43	•	–	–	–	–	0.6
Aberdeen	cbc	bcoc	bc	bbc	51	44	40	–	–	–	–	2.2
Malin Head	come	com	oidom	oidom	51	47	•	trace	0.3	1730	<2100	2.7
Renfrew	bmbc	bcco	bfx	bfx	52	28	21	–	–	–	–	5.3
Edinburgh (Inchkeith)	bz	chz	bz	bz	49	40	36	–	–	–	–	6.5
Leuchars	b or bc	bcob	b.bc	b.bc	52	35	*	–	–	–	–	6.9
Eskdalemuir	bcob	bccbc	bccb	bbx	48	28	26	–	–	–	–	5.2
Tynemouth	omdo	bcm	cm	cm	48	41	38	trace	–	1100	–	•
Blacksod Point ...												
Donaghadee	bcb	bc	omq	c	52	47	•	0.3	0.3	<0800	2400	•
Birr Castle ...	oide	copR	co	odro	51	44	37	1	0.2	<0800	0430	*
Holyhead	odor	oo	oo	oobr	51	47	45	0.2	trace	1230	0630	0.0
Liverpool (Bidston) ...	oo	cbc	bc	o	47	41	33	–	–	–	–	0.6
Chester (Shotwick) ...	oidmco	obccb	bcoom	oopdom	49	40	31	trace	trace	<0800	0630	•
Spurn Head	oo	oo	oo	oo	45	43	•	trace	–	<0800	–	0.0
Nottingham	f or m	om	o	oo	49	34	30	–	–	–	–	0.0
Cranwell	oo	om	bbcm	mm	45	36	33	–	–	–	–	0.1
Gorleston	cdobc	bcco	bco	oo	50	43	39	trace	–	1100	–	2.5
Valencia (Cahirciveen)		od.bc	b	oo	51	44	38	0.3	–	–	–	0.2
Roches Point												
Pembroke (St. Ann's H.)	oo	oc	oo	oo	49	46	•	–	–	–	–	0.3
Ross-on-Wye	ov	oo	og	oo	49	40	37	–	–	–	–	0.0
Benson...	oz	oz	o	ocx	46	31	24	–	–	–	–	•
Andover	om	om	mcbc	b	48	33	25	–	–	–	–	0.0
S. Farnborough ...	oomm	oomm	om	om	47	43	32	–	–	–	–	0.0
London (Kew Obsy.) ...	omwom	cmom	omom	omcmw	48	42	35	–	–	–	–	0.0
Croydon	omf	ofm	om	om	46	42	36	–	–	–	–	0.0
Clacton-on-Sea ...	ccmcb	com	om	om	47	42	41	–	–	–	–	3.6
Shoeburyness	oo	oo	om	om	47	41	40	–	–	–	–	2.8
Grain	cmom	oo	oom	oom	47	41	37	–	–	–	–	1.8
Lympne	c	ocom	oo	oo	47	39	35	–	–	–	–	3.2
Scilly (St. Mary's) ...	oo	oro	oo	oo	52	47	•	0.5	–	1330	–	0.0
Falmouth (Pendennis)	omp	om	cm	om	49	46	•	trace	–	1100	–	0.0
Plymouth (Cattewater)	om	om	om	om	50	39	31	–	–	–	–	0.0
Portland Bill	oo	oo	oo	oc	51	41	•	–	–	–	–	•
Southampton (Calshot)	oo	oo	om	c	47	38	36	–	–	–	–	0.0
Dungeness	c	c	of	oo	48	42	•	–	–	–	–	•
Lizard	obc	bcb	b	bo	51	45	•	–	–	–	–	4.8

ISALLOBARS. 20th Nov.

POSITION NUMBERS



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	19 1010	Hibernia	N	4	oc	50	53
3	20 0300	Dieppe	NW	1	?	49	50

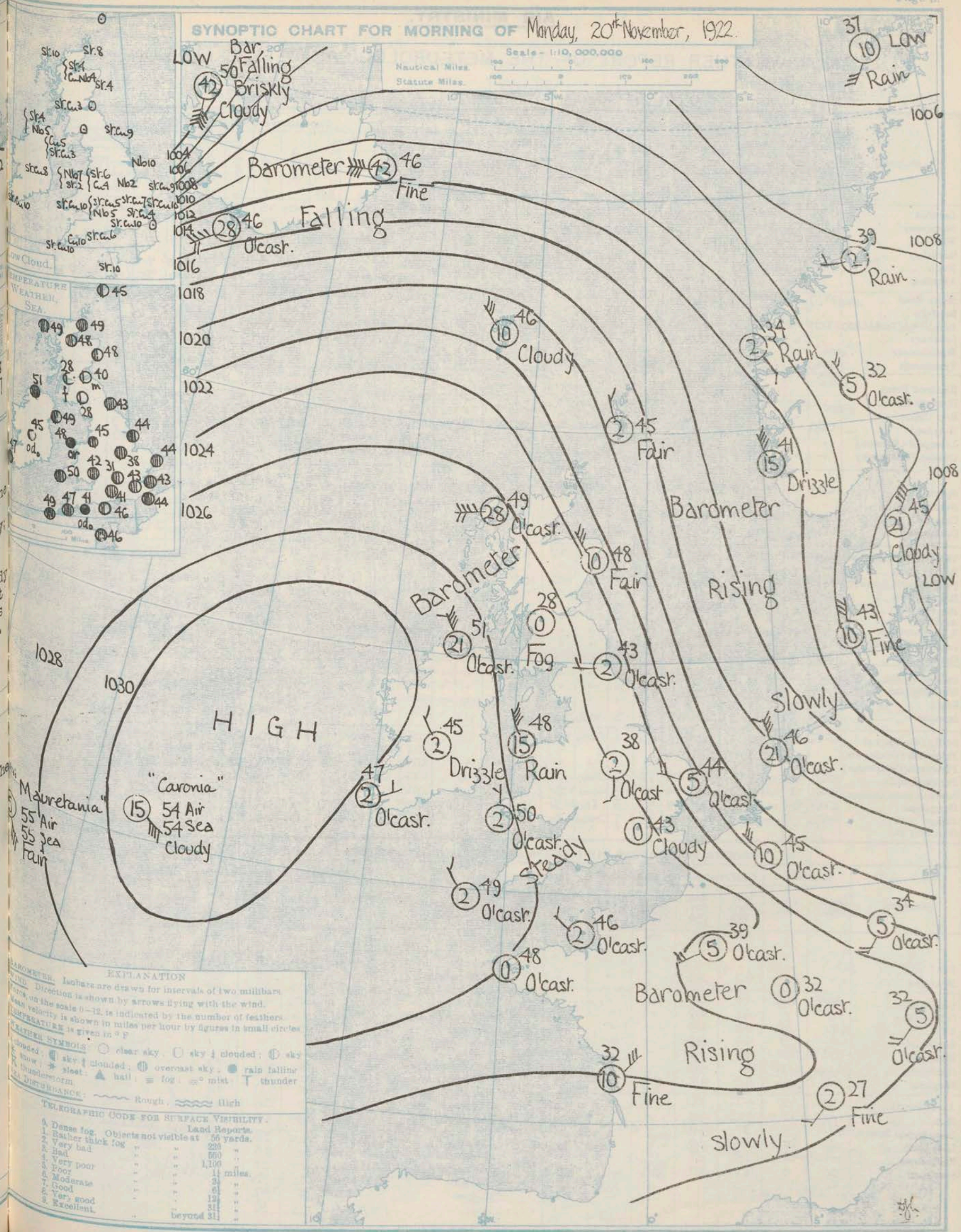
GENERAL INFERENCE.

The anticyclone persists off the west of Ireland and winds over the British Isles will be light and mainly northwesterly or northerly but the pressure gradient is irregular and local variations of wind are likely. Fair to cloudy weather will continue with slight rain in places. Slight frost is likely in places inland at night.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. 20th November, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind northwesterly or indefinite, light; fair or cloudy, perhaps slight rain in places; some mist or fog and slight frost locally inland at night.	Similar conditions persisting beyond the 24 hours.
4. W. Midlands 5. S.W. England 6. South Wales	Wind northerly or indefinite, light; fair or cloudy, perhaps slight rain in places; some mist or fog and slight frost locally inland at night.	
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	As 1 to 3.	
19. S.E. Ireland 20. S.W. Ireland	As 4 to 6.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0855. GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF Monday, 20th November, 1922.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Low Cloud.
TEMPERATURE
WEATHER.
SEA.
Low
Bar. Falling
Briskly
Cloudy
Barometer
Fine
Falling
O'cast.
Cloudy
Fair
Drizzle
Rain
Low
Barometer
Rising
Fog
Slowly
HIGH
"Caronia"
54 Air
54 Sea
Cloudy
"Mauretania"
55 Air
55 Sea
Fair
Steady
Fine
Slowly
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: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunderstorm; thunder.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
Land Reports.
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 " " 3 "
6. Moderate " " 6 "
7. Good " " 12 "
8. Very good " " 31 "
9. Excellent. " beyond 31 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION...Monday, 20th November.....1922. No. 324.

Observations at 0100 G.M.T.....20th.....

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1019.6	0	NNW	2	b	45	92	7	5700	SrCu	3	-	3	.
Stornoway	1027.1	+2	NW	2	b	.	.	5	.	.	.	.	.	.
Wick	1023.0	+1	NW	4	bcd	46	97	8	800	Sr	6	-	6	.
Castlebay	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nairn	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Aberdeen	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Malin Head	1027.7	0	NNW	5	od	51	92	7	2500	Sr	10	-	10	.
Renfrew	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Edinburgh (Inchkeith)	1025.0	+2	?	2	b	43	92	6	-	-	0	-	0	.
Leuchars	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eskdalemuir	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Tynemouth	1024.0	0	W	2	o	45	85	6	-	-	0	ASr	10	.
Blacksod Point ...														.
Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Holyhead	1026.8	+1	N	4	0	50	92	8	2500	Sr	10	-	10	.
Liverpool (Bidston) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chester (Shotwick) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spurn Head	1023.9	0	W	4	imo	42	92	5	1500	Sr	10	-	10	.
Nottingham	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cranwell	1025.3	-1	W'N	3	b	37	97	5	-	-	0	-	0	.
Gorleston	1023.1	-1	WNW	3	0	43	97	6	2500	Sr	10	-	10	.
Valencia (Cahirciveen)	1020.4	-1	-	0	bc-	48	97	8	-	Sr	4	-	4	.
Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pembroke (St. Ann's H.)	1027.9	0	NNW	3	0	50	75	8	4000	SrCu	10	-	10	.
Ross-on-Wye	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Benson...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Andover	.	.	.	.	.	.	.	.	.	.	.	.	.	.
S. Farnborough ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
London (Kew Obsy.)...	.	.	.	.	.	43	.	.	.	.	.	.	.	.
Croydon	1025.7	-2	SW'S	2	0	43	92	5	2500	SrCu	10	-	10	.
Clacton-on-Sea ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Shoeburyness... ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Grain	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lympne	1024.6	-1	NW	3	0	42	97	5	4000	SrCu	10	-	10	.
Scilly (St. Mary's) ...	1028.6	0	NE'E	1	0	49	75	8	4000	SrCu	10	-	10	.
Falmouth (Pendennis)														.
Plymouth (Cattewater)	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Portland Bill	1027.6	0	N	2	0	45	85	6	2500	Sr	10	-	10	.
Southampton (Calshot)	1026.6	-2	W	2	mmo	44	97	5	4000	Sr	10	-	10	.
Dungeness	1025.5	0	NW	3	fo-	48	97	3	800	Sr	10	-	10	.
Jersey 7h }	1027.2	0	NNE	1	0	48	85	7	2500	Sr	10	-	10	.
Guernsey 1h }														

Observations at 0700 G.M.T.....20th.....

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1019.7	0	NNW	1	bc+	45	92	7	-	-	0	ASr	6	.
Stornoway	1026.9	+1	W	6	0	49	85	6	800	Sr	10	-	10	1
Wick	1023.0	0	NW	4	0	49	92	8	800	Sr	8	ACu	10	3
Castlebay														
Nairn	1025.3	.	-	0	c	48	85	7	1500	Sr	8	-	8	.
Aberdeen	1024.2	+2	NW	3	bc+	48	85	8	1500	Sr	4	-	4	0
Malin Head	1028.2	0	NNW	5	o/r	51	97	7	2500	Nb	9	-	9	4
Renfrew	1026.7	+2	-	0	f b-	28	97	3	2500	SrCu	3	-	3	.
Edinburgh (Inchkeith)	1026.1	+2	WSW	2	mb+	40	97	5	-	-	0	-	0	1
Leuchars	1025.4	+1	SW	2	b	36	97	8	-	-	0	Ci	2	.
Eskdalemuir	1027.3	+1	-	0	b	28	97	8	-	-	0	ACu	1	.
Tynemouth	1025.2	+1	W	1	0	43	85	6	4000	SrCu	9	-	9	1
Blacksod Point ...	1026.3	-1	N	2	c-	49	85	8	4000	Cu	8	-	8	1
Donaghadee	1028.7	.	NW	1	odd	45	97	6	800	Nb	10	-	10	.
Birr Castle	1026.5	0	NNW	4	or+	48	92	8	1500	Nb	9	-	9	2
Holyhead	1026.6	+1	WNW	1	o/p	45	97	8	1500	Sr	10	-	10	2
Liverpool (Bidston) ...	1026.5	0	WNW	1	o/r	45	85	5	2500	Sr	10	-	10	.
Chester (Shotwick) ...														
Spurn Head	1024.3	+1	WNW	4	0	44	92	5	4000	Nb	10	-	10	4
Nottingham	1026.0	.	S	1	0	38	97	4	2500	Nb	2	ASr	10	.
Cranwell	1025.7	+1	WNW	3	mmo	40	97	5	4000	Sr	10	-	10	.
Gorleston	1022.9	0	WNW	2	o-	44	85	6	4000	SrCu	9	-	9	1
Valencia (Cahirciveen)	1029.8	+1	ENE	1	0	47	55	7	2500	SrCu	10	-	10	1
Roches Point														
Pembroke (St. Ann's H.)	1027.6	0	N	1	0	50	85	8	4000	SrCu	10	-	10	2
Ross-on-Wye	1026.5	0	SW'W	1	0	42	92	8	2500	SrCu	10	-	10	.
Benson...	1026.7	+2	-	0	c	31	97	6	4000	SrCu	7	-	7	.
Andover	1027.0	0	-	0	b	33	97	6	-	-	0	Ci	1	.
S. Farnborough ...	1026.5	+1	NW	1	0	41	92	6	2500	SrCu	10	-	10	.
London (Kew Obsy.)...	1026.1	+1	-	0	c-	43	85	5	2500	SrCu	4	ACu	7	.
Croydon	1026.0	+1	NW'W	1	0	42	85	5	4000	SrCu	10	-	10	.
Clacton-on-Sea ...	1024.4	0	WNW	3	0	43	92	5	7200	SrCu	10	-	10	0
Shoeburyness... ...	1025.3	0	WNW	2	mo-	42	85	6	5700	Cu	9	-	9	.
Grain	1025.6	0	W	4	0	41	92	6	4000	SrCu	10	-	10	0
Lympne	1025.3	+1	NNW	3	0	39	85	5	4000	SrCu	10	-	10	.
Scilly (St. Mary's) ...	1028.2	0	NNW	1	0	49	85	8	4000	SrCu	10	-	10	3
Falmouth (Pendennis)	1028.1	0	NE	2	0	47	85	7	4000	Cu	10	-	10	0
Plymouth (Cattewater)	1027.7	0	-	0	odd	41	97	5	1500	Sr	10	-	10	0
Portland Bill	1027.6	0	NNW	3	bc-	46	85	7	1500	SrCu	6	-	6	3
Southampton (Calshot)	1026.8	0	NW	2	c-	39	97	6	4000	SrCu	1	Ci	8	0
Dungeness	1025.3	0	NNW	2	0	44	85	7	-	-	0	ASr	10	3
Jersey 7h }	1026.7	0	NW	1	0	46	92	7	1500	Sr	10	-	10	0
Guernsey 1h }														

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 18th °F.	Temperature. Max. Day. 19th °F.	Rainfall.† Night 17h.-9h. 18th-19th mm.	Rainfall.† Day 9h.-17h. 19th mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 19th hr.
Banff								
Montrose	-	-	40	54	-	-		5.1
Llandudno	coc	bcc	43	51	0.2	-		2.3
Colwyn Bay ...	c	c	41	49	-	-		2.4
Rhyl...	c	bc	46	49	-	-		2.5
Southport	oc	oo	44	48	-	-		0.2
Blackpool	oc	o	45	48	-	-		0.7
Harrogate	cbc	bcco	41	48	-	-		0.0
Skegness	mo	om	40	47	0.3	-		0.0
Aberystwyth ...	ooc	o	47	50	-	-		0.0
Bath	mo	o	42	49	-	-		0.0
Leamington Spa ...			37	49	-	-		0.0
Lowestoft	oc	bco	40	48	1	-		2.8
Felixstowe	bmw	om	38	51	-	-		3.3
Southend	co	o	37	47	0.1	-		1.8

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 18th °F.	Temperature. Max. Day. 19th °F.	Rainfall.† Night 17h.-9h. 18th-19th mm.	Rainfall.† Day 9h.-17h. 19th mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 19th hr.
Paignton	om	om	48	51	-	-		0.0
Ilfracombe	o	o	48	50	-	-		0.0
Bude	od	ood	43	54	-	-		0.0
Penzance	oz	odoz	48	51	-	-		0.0
Falmouth Observatory	oem	oem	43	51	-	-		0.0
Torquay	c	o	43	51	-	-		0.0
Weymouth								
Bournemouth ...	o	o	40	46	-	-		0.0
Portsmouth (S'thsea)	om	om	40	47	-	-		0.0
Worthing	c	o	37	48	-	-		0.4
Brighton	o	o	38	48	-	-		0.0
Eastbourne	cbc	co	40	49	-	-		2.2
Hastings	mobcb	bccof	38	49	-	-		3.2
Folkestone	bc	bc	36	50	-	0.4		3.1
Tunbridge Wells ...	oco	oom	35	47	-	-		1.1
Ramsgate	ob	bo	38	48	-	-		3.2
Margate	bc	c	42	46	-	-		2.4
Deal	cbcb	bcc	38	47	-	-		3.0

* 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. B22279 TUESDAY, 21st NOVEMBER 1922.

Observations at 1300 G.M.T. 20

STATIONS.	Barom. at M.S.L. m.b	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	State of ground.
Lerwick	1021·3	+2	NW	3	bc+	46	85	7	7200	–	0	ACu	5	*
Stornoway	1027·8	+1	NW	3	C–	48	85	6	4000	Cu	8	–	8	*
Wick	1024·2	+2	NW	2	0	48	92	8	800	St	8	ACu	10	*
Castlehay	*													*
Nairn														*
Aberdeen	*	*	*	4	0+	49	85	7	2500	StCu	10	–	10	1
Malin Head	1029·1	0	N'E	4	0	50	92	8	5700	StCu	10	–	10	*
Renfrew	1027·7	0	–	0	fo–	39	97	2	2500	St	10	–	10	1
Edinburgh (Inchkeith)	1027·2	–1	W	2	mmo	44	85	5	–	StCu	9	–	9	*
Leuchars	1026·6	+1	NW	2	0	50	75	8	5700	StCu	9	–	9	0
Eskdalemuir	1027·2	0	–	0	b	47	75	8	2500	StCu	2	–	2	1
Tynemouth	1026·3	0	W	1	b	48	75	5	–	–	0	ACu	3	*
Blacksod Point														*
Donaghadee	1027·7	+1	NNE	2	b	51	85	8	4000	Cu	3	–	3	*
Birr Castle	1029·2	*	NW	1	o/r	48	92	6	1500	Nb	10	–	10	*
Holyhead	1027·4	0	NNE	2	0–	49	85	8	1500	StCu	10	–	10	1
Liverpool (Bidston)	1027·4	+1	WNW	1	bc–	46	85	7	1500	Cu	6	–	6	*
Chester (Shotwick)	1027·6	+1	NNW	2	od	47	92	6	1500	Nb	10	–	10	1
Spurn Head	1026·4	+2	N'W	3	0	47	92	6	2500	St	9	–	9	*
Nottingham	1026·8	*	N	2	0+	48	75	5	2500	Nb	10	–	10	*
Cranwell	1027·1	0	NNW	3	0	46	92	6	2500	StCu	10	–	10	0
Gorleston	1024·3	+1	N'W	4	od	47	92	5	2500	Nb	10	–	10	*
Valencia (Cahirciveen)	1030·1	–1	–	0	0+	50	85	8	2500	StCu	10	–	10	1
Roches Point														*
Pembroke (St. Ann's H.)	1027·9	0	NNE	1	0	50	75	9	4000	StCu	9	–	9	*
Ross-on-Wye	1027·2	0	WNW	1	0	49	85	8	2500	StCu	10	–	10	0
Benson	1027·3	+1	–	0	0	45	85	5	–	StCu	10	–	10	1
Andover	1027·3	0	WNW	2	0	47	85	6	1500	StCu	10	–	10	*
S. Farnborough	1026·9	0	W	2	mmo	47	85	6	1500	StCu	10	–	10	0
London (Kew Obsy.)	1027·0	+1	WNW	1	0	48	75	4	5700	StCu	10	–	10	1
Croydon	1027·0	0	W'N	1	0	45	85	4	4000	StCu	10	–	10	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1026·3	+2	NW	2	mmo	47	85	6	4000	StCu	10	–	10	*
Grain	1026·5	0	WNW	3	mo+	47	85	5	1500	St	10	–	10	1
Lympne	1025·9	–1	WNW	2	0	45	85	4	4000	StCu	10	–	10	2
Scilly (St. Mary's)	1028·3	0	ESE	1	0	51	85	8	4000	StCu	10	–	10	*
Falmouth (Pendennis)	1028·4	0	–	0	0	50	85	7	5700	StCu	10	–	10	*
Plymouth (Cattewater)	1027·9	0	WNW	1	mmo	49	85	5	4000	St	10	–	10	*
Portland Bill	1027·6	0	N	2	0+	46	85	6	2500	ASt	10	–	10	*
Southampton (Calshot)	1027·2	0	NW	2	o/r	47	85	5	5700	StCu	10	–	10	0
Dungeness	1026·5	+1	NNW	3	0	46	85	6	4000	StCu	10	–	10	*
Jersey	1027·1	0	N	1	0	50	85	7	1500	St	10	–	10	*

Observations at 1800 G.M.T. 20

STATIONS.	Barom. at M.S.L. m.b	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	Sea < 0-9
Lerwick	1027·8	+2	NW	2	o+	45	85	7	5700	StCu	4	ASt	5	1
Stornoway	1028·6	+1	NW	2	fo	48	97	3	800	St	10	–	10	1
Wick	1026·0	+3	NW	2	0+	44	97	8	2500	Nb	9	–	9	0
Castlehay														
Nairn														
Aberdeen	1028·0	*	–	0	od	44	97	8	2500	Nb	9	–	9	*
Malin Head	1027·4	+3	NW	2	0	47	85	7	2500	StCu	10	–	10	0
Renfrew	1029·7	+1	N	3	bc/r	47	92	8	5700	Nb	2	ACu	4	4
Edinburgh (Inchkeith)	1028·6	+1	–	0	fto	41	97	2	1500	St	10	–	10	*
Leuchars	1028·3	+2	WNW	2	o/f	48	75	7	–	StCu	10	–	10	1
Eskdalemuir	1027·8	+2	NW	1	0	45	85	7	5700	StCu	10	–	10	*
Tynemouth	1028·7	+2	–	0	0	43	85	7	2500	StCu	10	–	10	*
Blacksod Point	1027·6	+2	W	1	0	49	75	6	4000	StCu	10	–	10	1
Donaghadee	1028·4	+1	NNE	2	o+	50	75	8	1500	St	4	ASt	10	2
Birr Castle	1029·2	*	NW	1	0	47	92	6	800	StCu	10	–	10	*
Holyhead	1028·2	+2	ENE	2	0	48	85	9	2500	St	10	–	10	1
Liverpool (Bidston)	1028·4	+1	S	1	0	46	92	6	2500	St	2	CCu	10	2
Chester (Shotwick)	1028·4	+1	–	0	fo	45	97	3	1500	St	10	–	10	*
Spurn Head	1029·6	+1	W	3	imo	46	92	5	1500	St	10	–	10	4
Nottingham	1028·8	*	N	1	0	47	85	4	–	–	0	ASt	10	*
Cranwell	1028·2	+1	NW	1	o/r	45	97	5	1500	St	10	–	10	
Gorleston	1027·0	+2	NW'W	1	od	46	97	5	2500	Nb	10	–	10	1
Valencia (Cahirciveen)	1029·8	0	–	0	od	48	92	7	1500	St	10	–	10	1
Roches Point														
Pembroke (St. Ann's H.)	1028·1	+1	NNE	2	0	48	75	9	4000	StCu	10	–	10	0
Ross-on-Wye	1028·2	+2	SE	1	0	47	85	6	2500	StCu	10	–	10	*
Benson	1028·8	+1	E	1	0	43	97	5	–	StCu	10	–	10	*
Andover	1028·6	+1	–	0	0	46	92	6	4000	StCu	10	–	10	*
S. Farnborough	1028·4	+2	W	1	mmo	45	92	6	2500	St	10	–	10	*
London (Kew Obsy.)	1028·9	+2	NNW	1	0	47	85	5	–	–	0	ASt	10	*
Croydon	1028·4	+2	–	0	fo+	46	85	3	2500	St	10	–	10	*
Clacton-on-Sea	1027·8	+3	NW	2	c	46	92	5	7200	StCu	8	–	8	0
Shoeburyness	1027·8	+2	WNW	1	mmo	46	85	6	4000	St	9	–	9	*
Grain	1028·4	+3	NNW	2	mmo	45	92	5	1500	St	10	–	10	0
Lympne	1027·8	+2	N	2	0	44	92	4	2500	StCu	10	–	10	*
Scilly (St. Mary's)	1028·2	0	–	0	0	50	85	8	4000	StCu	10	–	10	0
Falmouth (Pendennis)	1029·2	+2	–	0	0	50	85	7	4000	StCu	10	–	10	0
Plymouth (Cattewater)	1028·4	+1	–	0	mmo	49	85	5	4000	St	10	–	10	0
Portland Bill	1027·6	0	NE	2	0	46	85	6	800	St	10	–	10	1
Southampton (Calshot)	1028·8	+3	NW'N	2	0	46	92	7	4000	StCu	10	–	10	0
Dungeness	1027·5	+1	N	2	0	45	97	6	4000	StCu	10	–	10	3
Jersey	1027·2	0	N	1	0	49	75	7	1500	St	10	–	10	0

LONDON OBSERVATIONS

	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. 21st								YESTERDAY.	TO-DAY.	
Kew											
Croydon } 24 hours ended 0700	0m	0z	0mw	*	*	41	–	–	0.0	*	*
Greenwich (Royal Obsy.)	0com	omf	ofprm	*	*	40	–	tra	0.0	*	*
City (Bunhill Row)	om	omd	om	48	43	41	–	–	0.0	81	94
Westminster (St. James' Pk.)	*	*	*	*	*	*	*	*	0.0	*	*
Regent's Pk. (Botanic Gdns.)	*	*	*	49	42	42	–	–	0.0	77	93
Camden Square	*	*	*	*	*	*	*	*	0.0	*	*
Kensington Palace	c	0	*	48	42	42	–	tra	*	*	96
Hampstead Observatory	0	0	*	52	41	42	–	–	*	85 (18h)	93
	*	*	*	46	40	45	–	–	0.0	*	93

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 20

South Kensington

Max.	Time.	Min.	Time.

Kew Observatory

Max.	Time.	Min.	Time.
1·1	1900 (19th)	0·3	0200–0400 (20th)
0·7	0900 (20th)		

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.	Record. %
Polaris	13.30	0.0	–
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 2ins. deep.
4 = Bare ground frozen (but more than 2ins. deep.
5 = Dew (or wet grass but not wet ground).
6 = Skating today in 1300 & 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 freezing rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.†

Time.	Type.	No. per 4 sec.	Siren.	Direct.
13h.	*	*	*	*
18h.	C	6	–	5
01h.	C_1C_2	6	–	95
07h.	C_1C_2	6	–	40

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

21st & 22nd NOV., 1922.

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 / 11.58	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).
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.
jp 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_or_o = continuous light rain.

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

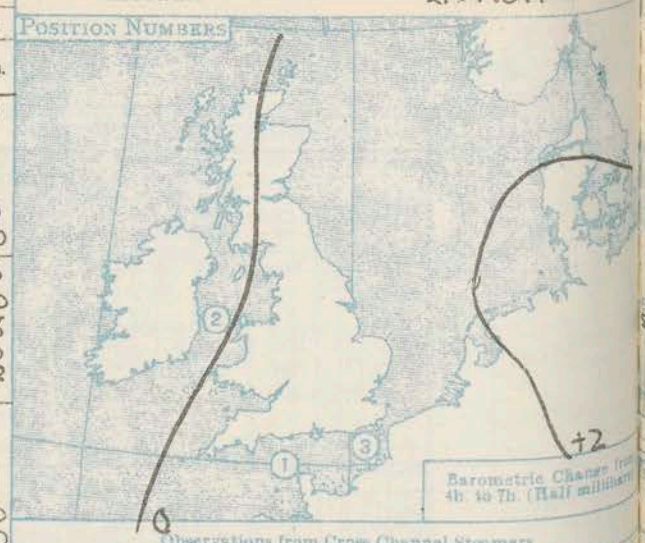
† For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 8.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.–13h. 20	13h.–18h. 20	18h. 20 to 1h. 21	1h.–7h. 21	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	bc	oo	o	cpr	47	43	•	–	1	–	2400	1.6
Stornoway	oo	c	b.bc	c	48	39	•	–	–	–	–	1.8
Wick	oo	c	id.bc	bbc	49	38	•	–	0.4	–	<2100	•
Castlebay							•					
Nairn	cagd	cg	dgc	cg	49	43	•	0.3	0.2	15.30	<2100	0.0
Aberdeen	co	oo	o	oo	50	43	37	–	–	–	–	0.0
Malin Head	obco	obcpr.	bcid.	oid.m	53	42	•	0.1	trace	16.30	2200	0.5
Renfrew	bFFo/c	oFF	off	ofmx	41	33	24	–	–	–	–	0.0
Edinburgh (Inchkeith)	bcom	mm	ff.	FF	48	44	41	–	–	–	–	0.8
Leuchars	oo	oo	o	o	50	42	35	–	–	–	–	0.3
Eskdalemuir	pxb	bbcco	o	o	50	38	37	–	–	–	–	4.2
Tynemouth	bcm	cm	oom	om	51	44	41	–	–	–	–	•
Blacksod Point ...							•					•
Donaghadee	bc	bc	o	o	52	47	•	–	–	–	–	•
Birr Castle ...	odom	o	o	o	49	43	41	0.3	–	<0800	–	•
Holyhead	or.o	oov	oo	oom	49	45	44	0.2	–	11.00	–	0.0
Liverpool (Bidston) ...	oo	oo	o	o	47	44	41	–	–	–	–	0.0
Chester (Shotwick) ...	od.d.m	oid.m	off	off	47	43	41	trace	–	0900	–	•
Spurn Head	rord	oo	f-m	f-m	47	43	•	0.1	–	0900	–	0.0
Nottingham	mb	oo	o	o	49	42	41	–	–	–	–	0.9
Cranwell	omcom	omd.	oz	mm	46	42	40	trace	–	14.30	–	0.4
Gorleston	cmd	omd	oo	oo	49	43	40	1	0.5	<0800	<2100	1.0
Valencia (Cahirciveen)	oco	odo	o	oo	50	46	44	0.6	trace	14.30	–	0.0
Roches Point							•					•
Pembroke (St. Ann's H.)	oo	oo	oo	oo	51	46	•	–	–	–	–	0.0
Ross-on-Wye	oo	oo	gom	om	49	43	42	–	–	–	–	0.0
Benson...	oo	oo	oz	oz	46	?	40	–	–	–	–	•
Andover	bcco	oom	oo	oo	48	42	40	–	–	–	–	0.0
S. Farnborough ...	omm	oomm	o	om	48	41	40	–	–	–	–	0.0
London (Kew Obsy.) ...	om	oz	omw	omw	48	44	41	–	–	–	–	0.0
Croydon	ocom	omf	ofpr.m	omf	46	43	40	–	trace	–	>2200	0.0
Clacton-on-Sea ...	ocm	om	com	ocbcm	47	42	38	–	–	–	–	0.0
Shoeburyness	om	om	om	om	47	43	43	–	–	–	–	0.0
Grain	oo	oo	om	om	47	?	41	–	–	–	–	0.0
Lympne	form	om	oo	oo	46	43	41	–	trace	–	–	0.2
Scilly (St. Mary's) ...	oo	oo	oo	oo	52	48	•	–	–	–	–	0.0
Falmouth (Pendennis)	om	om	om	om	51	47	•	–	–	–	–	0.0
Plymouth (Cattewater)	om	om	om	oo	50	45	43	trace	–	<0800	–	0.0
Portland Bill	co	oo	oo	oo	48	42	•	–	–	–	–	•
Southampton (Calshot)	oo	oo	om	oo	48	44	43	–	–	–	–	2.3
Dungeness	oo	f-m	oo	oo	47	45	•	–	–	–	–	•
Jersey	oo	oo	o	oco	51	45	•	–	–	–	–	0.0

ISALLOBARS 21st Nov.

POSITION NUMBERS



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	20th 1000	Hibernia	NNW	2	oe	50	53
3	21st 0300	Brighton	NE	2	o	49	51

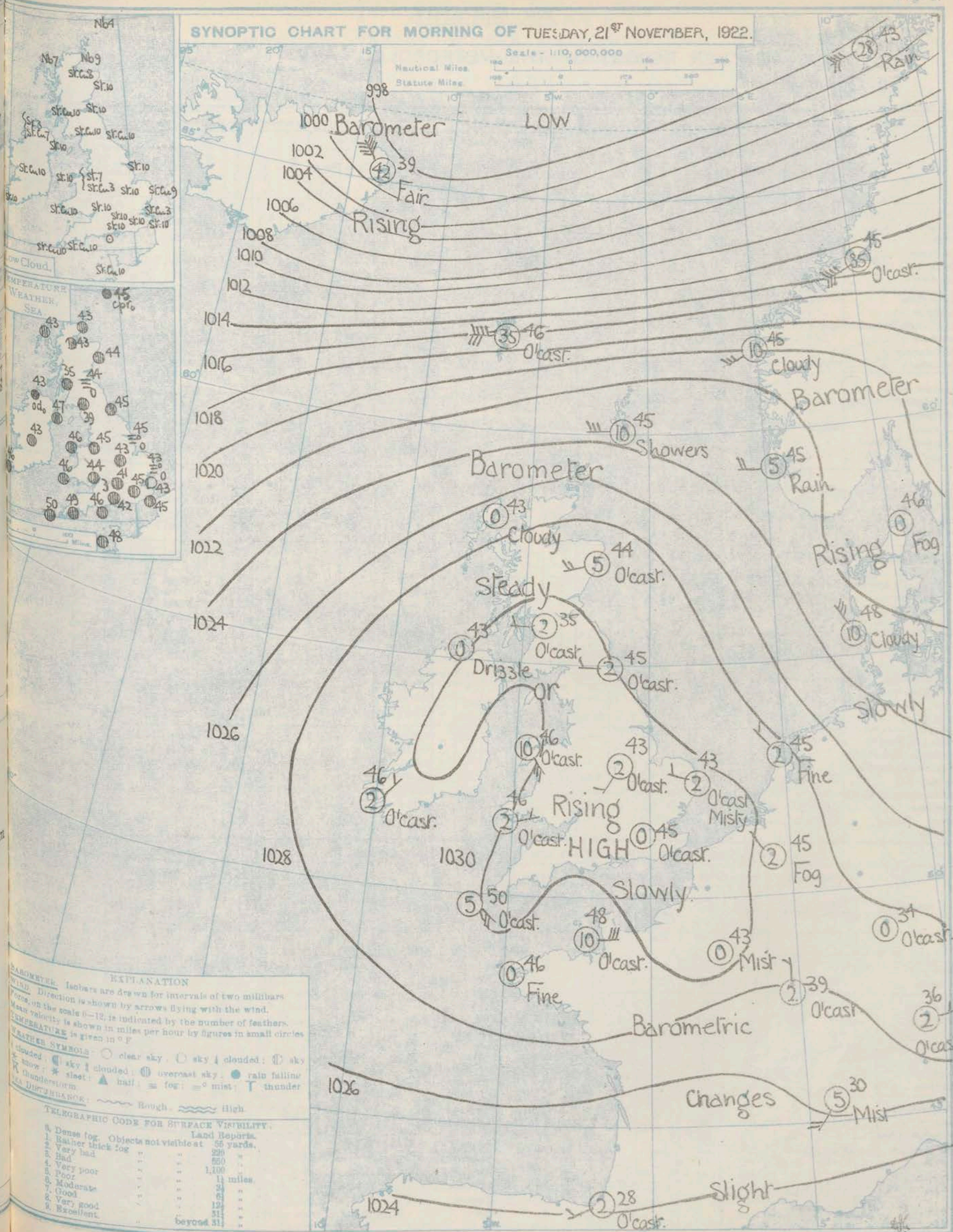
GENERAL INFERENCE.

The anticyclone is now again central over the British Isles and quiet conditions are likely generally with a good deal of cloud and some mist. Fog and slight frost are likely locally at night.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 21st November, 1922.	Farther 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	Light indefinite breezes; a good deal of cloud; some mist, fog and slight frost in places at night.	Quiet conditions are likely over England for two or three days with no precipitation apart from a possibility of slight drizzle.
16. Orkneys and Shetlands 17. N.W. Ireland	Wind west to northwest; fresh or strong; much cloud, some rain; visibility moderate; moderate temperature.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 1 - 15.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0850 GMT. G. C. Simpson, F.R.S., Director.

* For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Tuesday 21st November 1922. No. 325

Observations at 0100 G.M.T. 21st

Stations	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1023.7	0	NW	2	od.	45	85	6	4000	Nb	10	-	10	•
Stornoway	1028.9	0	NW	2	b.	•	•	5	•	•	•	•	•	•
Wick	1026.6	0	W	2	b/r	41	97	9	2500	Cu Nb	3	-	3	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1030.0	0	N	3	bc/r	46	97	7	2500	Sr	6	-	6	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1029.5	+1	NSW	1	fo+	45	92	3	-	-	0	A Sr	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1029.4	+2	W	1	0	45	85	6	-	-	0	A Sr	10	•
Blacksod Point														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1029.2	+1	SSE	3	0	46	92	8	2500	Sr	10	-	10	•
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1029.3	0	W'N	3	mmo	43	92	4	450	Sr	10	-	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1020.2	+2	W	3	0	44	97	5	1500	Sr	10	-	10	•
Gorleston	1028.7	+1	NW'N	2	0	45	92	6	4000	Sr	10	-	10	•
Valencia (Cahirciveen)	1030.3	0	-	0	o/r	47	92	8	-	Sr	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1029.3	0	NE	1	0	47	85	8	4000	SrCu	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	•	•	•	•	•	46	•	•	•	•	•	•	•	•
Croydon	1030.3	+1	-	0	0+	44	97	4	1500	Sr	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1030.5	+2	N	3	0	44	97	6	1500	Sr	10	-	10	•
Scilly (St. Mary's)	1029.0	0	-	0	0	49	85	8	4000	SrCu	10	-	10	•
Falmouth (Pendennis)	"	"	"	"	"	"	"	"	"	"	"	"	"	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1029.1	0	E	3	0	46	85	6	450	Sr	10	-	10	•
Southampton (Calshot)	1030.2	0	NNW	1	mo-	46	92	6	2500	Sr	10	-	10	•
Dungeness	1029.8	+1	N	2	0	45	92	6	800	Sr	10	-	10	•
Jersey 7h / Guernsey 1h	1028.3	+1	NE	3	0	49	75	6	-	-	0	A Sr	10	•

Observations at 0700 G.M.T. 21st

Stations	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1023.1	0	W	3	cpr.	45	85	6	4000	Nb	4	A Sr	7	2
Stornoway	1027.6	0	-	0	c	43	97	7	4000	Nb	7	-	7	0
Wick	1026.9	0	W	2	o	43	97	8	2500	Nb	9	-	9	0
Castlebay														
Nairn	1028.7	•	-	0	c	43	85	8	4000	SrCu	8	-	8	•
Aberdeen	1029.4	0	NSW	2	o	44	85	7	1500	Sr	10	-	10	0
Malin Head	1030.0	0	-	0	od.	43	97	7	2500	SrCu	10	-	10	4
Renfrew	1030.1	+1	W	1	0	35	97	5	5700	SrCu	10	-	10	•
Edinburgh (Inchkeith)	1029.7	0	NSW	1	fro	44	85	3	-	Sr	10	-	10	•
Leuchars	1029.4	0	NW	1	0	42	85	7	4000	SrCu	10	-	10	•
Eskdalemuir	1030.7	0	-	0	0	39	92	7	1500	SrCu	10	-	10	•
Tynemouth	1030.0	0	W	1	0	45	75	6	4000	SrCu	10	-	10	•
Blacksod Point	1029.5	-1	NNE	1	0	47	85	8	2500	Sr	10	-	10	0
Donaghadee	1030.1	•	N	1	0	43	92	6	450	SrCu	10	-	10	•
Birr Castle	1029.7	+1	SSE	3	0	46	97	6	1500	Sr	10	-	10	•
Holyhead	1030.1	0	SE'S	1	0	45	85	5	2500	Sr	10	-	10	2
Liverpool (Bidston)	1030.4	+1	SE	1	fo	43	92	3	1500	Sr	10	-	10	•
Chester (Shotwick)														
Spurn Head	1030.7	+1	W'N	3	mmo	45	92	4	800	Sr	10	-	10	4
Nottingham	1031.2	•	SSW	1	0	43	92	3	800	Sr	10	-	10	•
Cranwell	1030.9	+1	-	0	mo-	42	92	5	1500	Sr	10	-	10	•
Gorleston	1030.1	+1	W'N	1	mo	43	97	4	5700	SrCu	9	-	9	0
Valencia (Cahirciveen)	1029.2	-1	NE'E	1	0	46	92	7	4000	Sr	10	-	10	0
Roches Point	1029.5	0	E	1	0	46	85	8	4000	SrCu	10	-	10	0
Pembroke (St. Ann's H.)	1030.5	-1	-	0	0	44	92	6	1500	Sr	10	-	10	•
Ross-on-Wye	1031.1	0	-	0	0	41	97	4	2500	Sr	10	-	10	•
Benson	1031.4	+1	-	0	0	43	97	6	2500	SrCu	10	-	10	•
Andover	1031.7	+2	-	0	0	42	97	4	2500	Sr	10	-	10	•
S. Farnborough	1031.5	+1	-	0	0	45	97	4	4000	Sr	10	-	10	•
London (Kew Obsy.)	1031.3	+1	-	0	0	43	97	3	2500	SrCu	10	-	10	•
Croydon	1030.7	+1	NW	2	b	43	92	5	7200	SrCu	3	-	3	0
Clacton-on-Sea	1031.6	0	W	1	mmo	44	85	5	4000	SrCu	10	-	10	•
Shoeburyness	1031.4	+2	W	2	0	43	92	5	2500	SrCu	10	-	10	0
Grain	1030.8	+1	NNW	1	0	43	97	5	800	Sr	10	-	10	•
Lympne	1028.5	0	SE'E	2	0	50	65	8	4000	SrCu	10	-	10	1
Scilly (St. Mary's)	1030.2	0	E	2	0	49	92	7	4000	SrCu	10	-	10	0
Falmouth (Pendennis)	1030.1	+1	-	0	0	46	85	6	2500	SrCu	10	-	10	0
Plymouth (Cattewater)	1029.9	+1	ENE	2	0	46	85	6	2500	Sr	10	-	10	1
Portland Bill	1031.2	+1	-	0	mo+	44	92	5	4000	SrCu	10	-	10	0
Southampton (Calshot)	1031.1	+2	N	2	0	45	92	6	800	Sr	10	-	10	2
Dungeness	1029.5	0	E	3	0	48	75	7	2500	SrCu	10	-	10	3
Jersey 7h / Guernsey 1h														

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

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. hr.	Sunshine. Sunrise to Sunset. 20 hr.
Banff	*	*	35	52	-	-		2·4
Montrose								
Llandudno	do	doo	42	49	1	1		0·0
Colwyn Bay	cd	cd	46	48	2	1		0·0
Rhyl	op	o	45	48	0·1	0·2		0·0
Southport	oc	oo	41	47	-	-		0·0
Blackpool	c	om	39	48	-	-		0·1
Harrogate	o	obcoo	38	48	-	-		1·4
Skegness	od	od	42	47	-	0·2		0·0
Aberystwyth	o.c	o	43	51	-	-		0·0
Bath	oo	o	43	50	-	-		0·6
Leamington Spa	o	o	35	48	-	-		0·0
Lowestoft	ocbid	od	42	49	-	-		0·9
Felixstowe	om	omd	42	47	-	-		0·1
Southend	o.	o	40	47	-	-		0·0
Paignton	om	oo	41	51	-	-		0·0
Ilfracombe	o	o	45	51	-	-		0·0
Bude	mco	om	40	52	-	-		0·0
Penzance	om	om	42	51	1	-		0·0
Falmouth Observatory	om	om	43	51	-	-		0·0
Torquay	o	o	42	51	-	-		0·0
Weymouth	o	o	37	50	-	-		0·7
Bournemouth	o	o	37	48	-	-		2·3
Portsmouth (S'thsea)	bm.c	bcm	40	49	-	-		1·8
Worthing	bo	o	42	49	-	-		1·4
Brighton	obc	o.o.c	43	48	-	-		1·8
Eastbourne	bc.c.o	o	44	50	-	-		1·6
Hastings	obcco	omf	43	48	-	-		0·1
Folkestone	o	o	41	47	-	-		0·6
Tunbridge Wells	co	of	41	47	-	-		0·0
Ramsgate	o	o	40	46	-	-		0·0
Margate	o	o	43	47	-	-		0·0
Deal	om	om	42	46	-	-		

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 2. § See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22280 WEDNESDAY 22nd NOVEMBER 1922.

Observations at 1800 G.M.T. 21st

STATIONS.	Barom. at M.S.L. m.b	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	State of ground.
Lerwick	1022·9	-1	W	3	cpr	47	85	7	4000	Cu Nb	7	–	7	*
Stornoway	1026·8	-1	SW	3	bc–	47	85	7	4000	Nb	6	–	6	*
Wick	1021·4	0	SW	3	cpr	45	92	8	2500	Cu Nb	6	Cu	7	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1029·3	-1	W'S	1	b–	44	85	7	1500	St	1	–	1	0
Malin Head	1029·4	0	SSW	2	c	46	92	9	5700	StCu	8	–	8	*
Renfrew	1030·0	-1	SW	1	0	45	85	5	4000	StCu	10	–	10	1
Edinburgh (Inchkeith)	1029·8	+1	W	2	mo–	44	85	6	–	–	0	ASt	1	*
Leuchars	1029·3	-1	W	2	b–	46	75	8	4000	StCu	3	–	3	0
Eskdalemuir	1030·7	-1	–	0	0	41	97	6	2500	St	10	–	10	1
Tynemouth	1030·6	0	–	0	ffo	47	75	3	2500	St	10	–	10	*
Blacksod Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	1029·2	-1	–	0	mo–	47	85	4	2500	St	10	–	10	*
Birr Castle	1030·1	*	SW	1	0	45	92	6	450	St	10	–	10	*
Holyhead	1030·1	0	S	3	od	47	97	8	2500	St	10	–	10	2
Liverpool (Bidston)	1030·8	-1	SSE	1	0	46	85	4	800	St	10	–	10	*
Chester (Shotwick)	1031·6	-1	SE	2	mo–	45	92	4	4000	StCu	10	–	10	1
Spurn Head	1031·7	+1	W'N	1	ffo	46	92	2	450	St	10	–	10	*
Nottingham	1031·9	*	S	1	fbr	45	92	3	800	St	10	–	10	*
Cranwell	1031·2	0	W'S	1	0	47	85	5	2500	St	10	–	10	0
Gorleston	1031·4	+2	N	2	mmo	48	85	4	2500	St	10	–	10	*
Valencia (Cahirciveen)	1029·6	-1	E	2	0	48	75	8	4000	St	10	–	10	1
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1030·1	0	SSW	3	0	50	75	8	4000	StCu	10	–	10	*
Ross-on-Wye	1031·4	0	SW	1	mmo	46	85	5	800	St	10	–	10	0
Benson	1032·2	0	–	0	fo+	45	97	3	–	St	10	–	10	1
Andover	1031·9	+1	NE	2	0	46	92	6	4000	StCu	10	–	10	0
S. Farnborough	1032·3	0	–	0	ffo	46	92	3	1500	St	10	–	10	0
London (Kew Obsy.)	1032·6	-1	–	0	fo	48	85	3	2500	St	10	–	10	1
Croydon	1032·4	-1	–	0	dff	48	75	6	4000	StCu	10	–	10	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1032·3	+2	N'W	1	0	49	85	6	4000	StCu	10	–	10	*
Grain	1032·6	0	WNW	1	0	48	85	6	4000	St	10	–	10	1
Lympne	1031·7	-1	–	0	0	46	85	6	2500	StCu	10	–	10	0
Scilly (St. Mary's)	1029·5	0	SE'S	2	0	51	75	8	4000	StCu	10	–	10	*
Falmouth (Pendennis)	1030·6	-2	ESE	3	0	51	65	7	4000	StCu	10	–	10	*
Plymouth (Cattewater)	1030·8	-1	ENE	1	0	49	85	6	4000	St	10	–	10	0
Portland Bill	1030·3	+1	ENE	2	ow	47	85	6	450	St	10	–	10	*
Southampton (Calshot)	1031·9	-2	ENE	2	mo–	47	85	4	4000	StCu	10	–	10	0
Dungeness	1032·0	+1	NE	2	0	47	92	6	1500	St	10	–	10	*
Jersey 7h / Guernsey 1h	1030·3	0	E	3	0	49	85	7	2500	StCu	10	–	10	*

Observations at 1800 G.M.T. 21st

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1022·3	-1	W'S	4	c	45	92	7	4000	Cu	3	ASt	7	3
Stornoway	1025·8	-1	SW	2	bc	45	85	7	4000	Nb	6	–	6	1
Wick	1025·5	-1	W	2	o/r	44	92	8	800	St	10	–	10	0
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1026·6	*	–	0	0	45	85	8	4000	StCu	9	–	9	*
Malin Head	1028·6	+0	WSW	1	mo–	42	85	6	1500	St	10	–	10	0
Renfrew	1028·2	-1	S	2	0	45	85	9	4000	StCu	10	–	10	3
Edinburgh (Inchkeith)	1028·9	-1	–	0	mmo	42	97	4	2500	St	10	–	10	*
Leuchars	1029·2	0	W	1	mmo	44	85	6	–	–	0	ASt	10	1
Eskdalemuir	1028·7	-1	–	0	0	40	92	7	4000	StCu	10	–	10	*
Tynemouth	1029·8	-0	S'W	1	od	41	92	5	1500	Nb	10	–	10	*
Blacksod Point	1030·0	0	W	1	mo–	46	85	4	4000	StCu	10	–	10	0
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	1028·4	0	SW'W	1	mmo	45	85	5	2500	St	10	–	10	0
Holyhead	1029·6	*	–	0	0	44	92	6	450	StCu	10	–	10	*
Liverpool (Bidston)	1029·8	0	S	1	0	48	97	7	1500	St	10	–	10	2
Chester (Shotwick)	1030·7	0	S	3	0	45	85	6	2500	St	10	–	10	3
Spurn Head	1031·0	+0	SSE	2	fo	45	92	3	4000	StCu	10	–	10	*
Nottingham	1031·6	0	W'N	2	ffo	46	85	2	450	St	10	–	10	3
Cranwell	1032·0	*	S	1	0	44	92	5	–	–	0	ASt	10	*
Gorleston	1032·2	+1	SW	2	mmo	46	85	5	1500	St	10	–	10	*
Valencia (Cahirciveen)	1031·8	0	WNW	1	mo–	45	92	5	4000	St	10	–	10	0
Roches Point	1029·3	0	ESE	2	0	47	85	8	4000	St	10	–	10	1
Pembroke (St. Ann's H.)	1030·2	0	S'E	3	0	50	75	8	4000	StCu	10	–	10	2
Ross-on-Wye	1031·6	0	–	0	fo+	45	92	3	450	St	10	–	10	*
Benson	1032·0	+1	–	0	0	43	97	4	–	St	10	–	10	*
Andover	1032·0	0	–	0	fo+	44	92	3	1500	St	10	–	10	*
S. Farnborough	1032·3	+1	–	0	mmo	44	92	4	–	St	10	–	10	*
London (Kew Obsy.)	1032·7	0	–	0	ffo	46	92	3	800	St	10	–	10	*
Croydon	1032·5	+1	–	0	ffo	45	92	2	4000	StCu	10	–	10	*
Clacton-on-Sea	1032·0	+1	NW	2	mmo	47	92	4	7200	StCu	10	–	10	0
Shoeburyness	1032·4	0	NNW	1	0	47	85	6	4000	StCu	10	–	10	*
Grain	1032·9	+1	–	0	0	44	97	6	4000	StCu	10	–	10	0
Lympne	1032·0	+1	N	2	0	44	92	5	2500	StCu	10	–	10	*
Scilly (St. Mary's)	1029·6	0	ESE	3	0	48	97	8	4000	StCu	10	–	10	1
Falmouth (Pendennis)	1030·9	0	E	3	od	49	85	5	4000	Nb	10	–	10	1
Plymouth (Cattewater)	1029·2	0	–	0	0	46	92	8	2500	St	10	–	10	0
Portland Bill	1030·3	0	ESE	2	od	48	85	6	450	St	10	–	10	0
Southampton (Calshot)	1032·0	+1	NE	2	mmo	46	85	4	4000	StCu	10	–	10	0
Dungeness	1032·2	+1	NE	2	0	45	97	6	1500	St	10	–	10	2
Jersey 7h / Guernsey 1h	1029·5	0	E	3	0	47	75	7	2500	StCu	10	–	10	3

LONDON OBSERVATIONS

	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. 22nd								YESTERDAY.	TO-DAY.	
Kew											
Croydon } 24 hours ended 0700	f-m	ofqfw	offw	*	*	41	–	–	0.0	*	*
Greenwich (Royal Obsy.)	ofz	ozf	ofm	*	*	40	–	–	0.0	*	*
City (Bunhill Row)	om	om	om	48	42	40	–	–	0.0	86	92
Westminster (St. James' Pk.)	*	*	*	*	*	*	*	*	0.0	*	*
Regent's Pk. (Botanic Gdns).	*	*	*	49	45	44	–	–	0.0	86	84
Camden Square	*	*	*	*	*	*	*	*	0.0	*	*
Kensington Palace	of	fg	*	47	45	42	–	–	*	*	90
Hampstead Observatory	of	of	*	48	44	41	–	–	*	88	92
	*	*	*	45	43	45	–	–	0.0	*	91

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

21st ended 1800 G.M.T.

South Kensington

Max.	Time.	Min.	Time.
1·0	1700 (20)	0·6	0100–0900 (21)
3·0	1100–1300		

Kew Observatory

Max.	Time.	Min.	Time.
0·7	2100 (20)	0·5	0700 (21)
0·7	1100 (21)		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 21st 17h 00m to 22nd 06h 30m

Stars.	Exposure. h. m.	Record. h. m.	Record. %
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 today in 1300 & 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.	C	6	–	130
18h.	C	6	–	150
01h.	C	6	–	175
07h.	C	6	–	150

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

22nd & 23rd NOV., 1922.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.25 / 7.29	11.32 / 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).
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.
jp 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 :—

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

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.

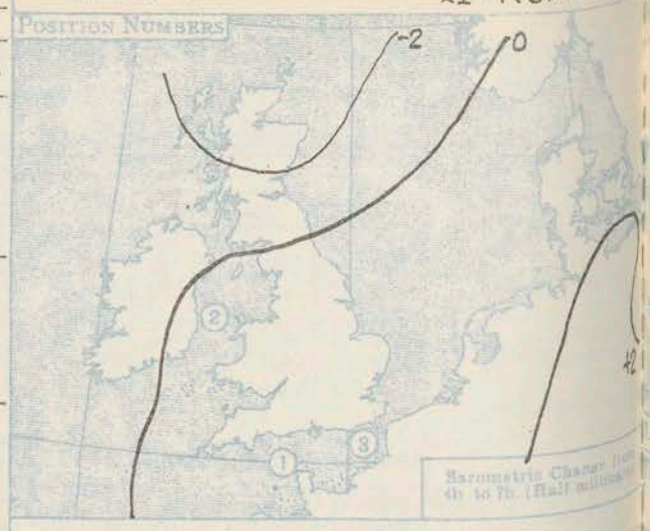
† For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

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. Hours.
Lerwick	bcp	cp	bcp	od	47	44	•	0.6	1	<0800	<2100	1.7
Stornoway	c	c	b.bc	p	48	42	•	–	0.4	–	–	2.6
Wick	c	cr.o	oo	oo	46	40	•	0.1	–	13.30	–	•
Castlebay							•					
Nairn	bccg	cgbc	cg	cg	47	43	•	–	–	–	–	2.4
Aberdeen	cnbc	bcom	o	oo	44	41	38	–	–	–	–	3.2
Malin Head	coev	cocv	coev	coe	47	42	•	–	–	–	–	0.2
Renfrew	oxm	om	o	o	46	41	39	–	trace	–	–	0.0
Edinburgh (Inchkeith)	ff	m	mm	oo	45	43	41	–	–	–	–	0.6
Leuchars	oo	c	o	o	46	40	36	–	–	–	–	1.5
Eskdalemuir	oo	omodm	od.mo	oo	42	39	38	trace	1	17.30	<2100	0.0
Tynemouth	off	off	om	om	48	44	42	–	–	–	–	•
Blacksod Point ...							•					•
Donaghadee	om	om	o	o	48	43	•	–	–	–	–	•
Birr Castle ...	oc3	o	o	occ	45	41	35	–	–	–	–	•
Holyhead	oif	oido	oidoo	oo	48	46	43	1	–	<0800	–	0.0
Liverpool (Bidston) ...	oo	oo	o	o	47	44	40	–	–	–	–	0.0
Chester (Shotwick) ...	offmm	ommof	off	off	46	43	41	–	–	–	–	•
Spurn Head	f	F	f-m	oo	46	43	•	–	–	–	–	0.0
Nottingham	form	of	o	oo	45	41	40	–	–	–	–	0.0
Cranwell	om	om	oz	oo	47	42	40	–	–	–	–	0.0
Gorleston	om	ofom	omf	of	48	43	42	–	–	–	–	0.0
Valencia (Cahirciveen)	oo	oo	o					–		–		
Roches Point												
Pembroke (St. Ann's H.)	oo	oo	oo	oo	51	48	•	–	–	–	–	0.0
Ross-on-Wye	fgom	om	gom	ofedm	46	43	41	–	0.5	–	0530	0.0
Benson...	om	oz	ozm	ofm	46	40	40	–	–	–	–	•
Andover	oo	omof	off	o	47	41	39	–	–	–	–	0.0
S. Farnborough ...	off	opmm	omof	oofff	46	40	40	–	–	–	–	0.0
London (Kew Obsy.) ...	form	ofgofw	ofw	ofwfw	48	43	41	–	–	–	–	0.0
Croydon	of3	ozf	of	ofm	48	43	40	–	–	–	–	0.0
Clacton-on-Sea ...	om	bcom	om	om	49	44	43	–	–	–	–	0.0
Shoeburyness	o	o	om	o	49	42	41	–	–	–	–	0.0
Grain	omom	omm	om	omom	48	42	40	–	–	–	–	0.0
Lympne	om	omm	oo	f-m	47	42	41	–	trace	–	–	0.0
Scilly (St. Mary's) ...	oo	oo	op	op	51	46	•	–	1	–	0130	0.0
Falmouth (Pendennis)	om	omd	omd		51	47	•	0.4	0.3	14.30	2400	0.0
Plymouth (Cattewater)	oo	ododo	o	oo	49	45	39	trace	–	13.30	–	0.0
Portland Bill	op	omr	obc	bco	49	41	•	1	–	<0800	–	•
Southampton (Calshot)	o	om	omoc	c	47	41	33	–	–	–	–	0.0
Dungeness ...	oo	oo	oo	oo	48	44	•	–	–	–	–	•
Jersey 7h. ...	oo	oo	ob	b	49	43	•	–	–	–	–	0.0
Guernsey 1h. ...												

22nd Nov.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	
2	21st 1010	Hibernia	SE	2	op	48	53	7
1	" 1200	Ibex	ENE	3	bcjp	50	54	8
3	22nd 0300	Dieppe	NE	1	o	49	51	6

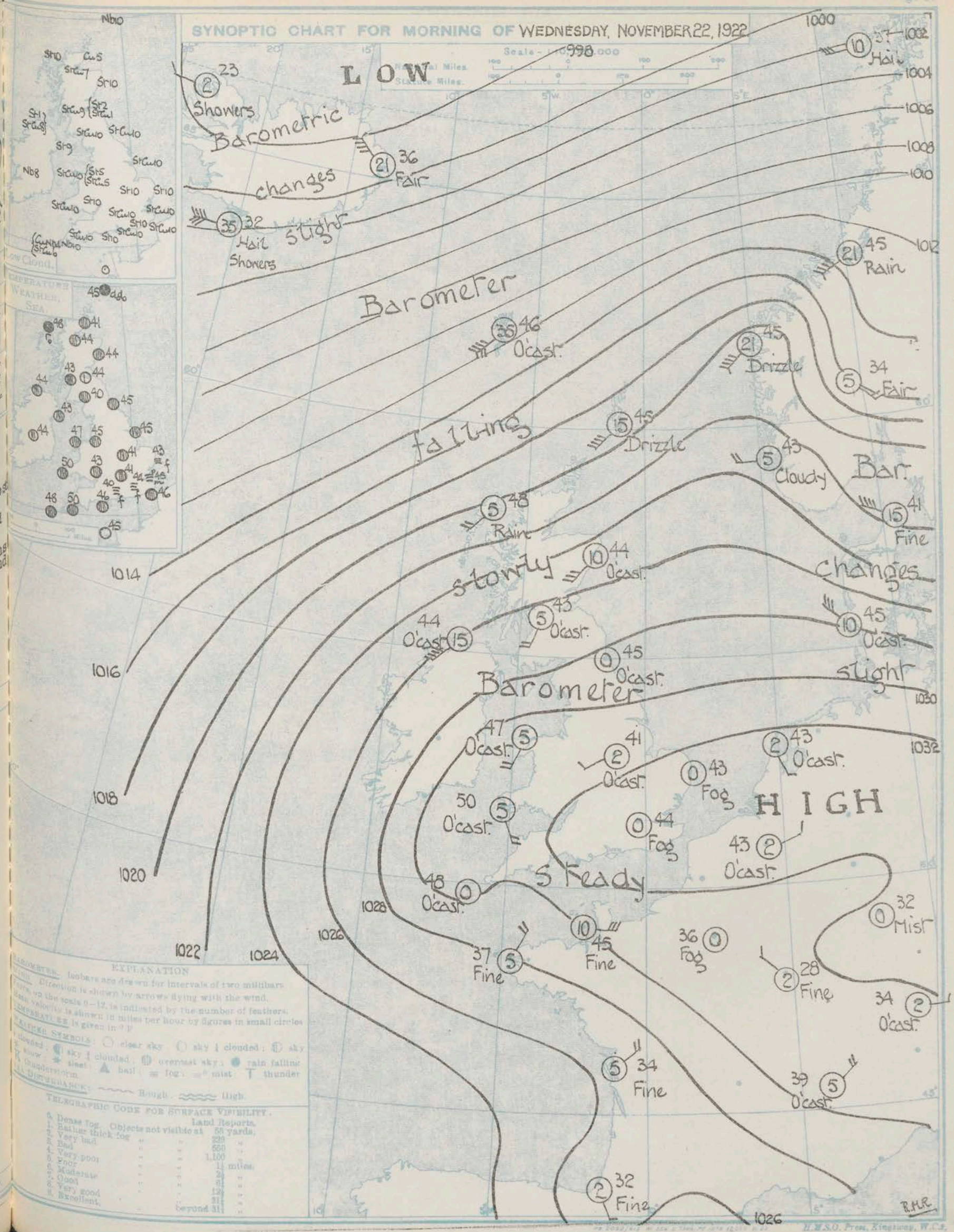
GENERAL INFERENCE.

The highest pressure is now over the Continent but a westward extension of the anticyclone will maintain quiet conditions over most of the British Isles, with winds between SE and SW, much cloud and slight local drizzle. Small secondaries to distant depressions will cause southwesterly winds and occasional rain in the extreme Northwest and North. Visibility in most districts will be better than of late but further fog is likely in the Southeast and Midlands of England.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday 22nd November, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light indefinite or southeasterly breezes; mainly overcast; misty, fog in places; moderate temperature.	With-held.
5. S.W. England 6. South Wales 7. North Wales	Wind SE to S, light or moderate; cloudy, slight drizzle locally; visibility moderate or good; moderate temperature.	
8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind Southwesterly, light or moderate; cloudy, slight drizzle locally; visibility moderate or good; moderate temperature.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Wind Southwesterly, moderate or fresh; much cloud, occasional rain or showers; visibility moderate or good; moderate temperature.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind Southerly, light or moderate; cloudy, slight drizzle locally; visibility moderate or good; moderate temperature.	mrs.

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.


SYNOPTIC CHART FOR MORNING OF WEDNESDAY, NOVEMBER 22, 1922
LOW
HIGH
Barometric changes slight
Barometer falling slowly
Barometer steady
Bar. changes slight
23 Showers
36 Fair
32 Hail Showers
37 Hail
45 Rain
46 O'cast.
45 Drizzle
34 Fair
45 Drizzle
43 Cloudy
48 Rain
41 Fine
44 O'cast.
44 O'cast.
43 O'cast.
45 O'cast.
45 O'cast.
47 O'cast.
41 O'cast.
43 O'cast.
43 Fog
50 O'cast.
44 Fog
43 O'cast.
48 O'cast.
32 Mist
45 Fine
36 Fog
37 Fine
28 Fine
34 O'cast.
34 Fine
39 O'cast.
32 Fine
998
1000
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
1028
1030
1032
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: clear sky; sky ¼ clouded; sky ½ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
Land Reports.
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 " " 1 mile.
5. Poor " " 2 "
6. Moderate " " 2½ "
7. Good " " 12 "
8. Very good " " 31 "
9. Excellent. " beyond 31 "
R.H.R.
H.M.S.O. Press, Kingsway, W.C.2.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... Wednesday, 22nd November ... 1922. No. 326

Observations at 0100 G.M.T. 22nd

Stations.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1021.1	0	WSW	4	bcjp	47	85	6	4000	Nb	2	A.Sr	4	.
Stornoway	1024.1	-2	SW	2	b-	.	.	5	.	.	.	.	.	.
Wick	1023.5	-2	SW	3	0	44	92	8	1500	Sr	10	-	10	.
Castlebay	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nairn	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Aberdeen	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Malin Head	1027.0	0	SSW	4	bc-	44	97	9	5700	StCu	6	-	6	.
Renfrew	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Edinburgh (Inchkeith)	1027.5	-1	WSW	2	0/f	45	85	7	-	StCu	10	-	10	.
Leuchars	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eskdalemuir	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Tynemouth	1029.6	0	WNW	1	0	45	75	6	-	-	0	A.Sr	10	.
Blacksod Point ...														.
Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Holyhead	1030.0	0	WSW	3	0/r	48	85	8	2500	Sr	10	-	10	.
Liverpool (Bidston) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chester (Shotwick) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spurn Head	1031.8	0	SW	2	0/f	45	85	6	800	Sr	10	-	10	.
Nottingham	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cranwell	1031.8	0	SSW	2	0	43	92	5	1500	Sr	10	-	10	.
Gorleston	1032.6	+1	NW	2	fo+	44	97	3	4000	Sr	10	-	10	.
Valencia (Cahirciveen)	1028.8	0	-	0	0	47	92	7	-	Sr	10	-	10	.
Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pembroke (St. Ann's H.)	1030.5	0	SSE	2	0	49	75	8	4000	StCu	10	-	10	.
Ross-on-Wye	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Benson...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Andover	.	.	.	.	.	.	.	.	.	.	.	.	.	.
S. Farnborough ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
London (Kew Obsy.) ...	.	.	.	.	.	45	.	.	.	.	.	.	.	.
Croydon	1032.6	0	-	0	ffo	44	92	2	2500	Sr	10	-	10	.
Clacton-on-Sea ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Shoeburyness	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Grain	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lympne	1032.0	0	NE	2	0	44	97	4	1500	Sr	10	-	10	.
Scilly (St. Mary's) ...	1029.6	0	E	2	opc	49	85	8	4000	StCu	10	-	10	.
Falmouth (Pendennis)														.
Plymouth (Cattewater)	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Portland Bill	1031.1	+2	SE	4	bc-	46	85	7	-	-	0	C.Cu	4	.
Southampton (Calshot)	1032.4	+1	NNW	1	c/f	45	97	7	4000	StCu	8	-	8	.
Dungeness	1032.2	0	NE	1	0	45	97	7	1500	Sr	10	-	10	.
Jersey 7h }	1031.0	0	ESE	4	b	47	85	8	5700	StCu	2	-	2	.
Guernsey 1h }														

Observations at 0700 G.M.T. 22

Stations.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1018.4	-3	SW	4	odd	45	97	7	2500	Nb	10	-	10	3
Stornoway	1020.3	-2	SW	2	or	48	92	6	450	Sr	10	-	10	1
Wick	1021.1	-3	SW	2	0-	41	97	8	5700	Cu	5	ACu	9	0
Castlebay	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nairn	1022.5	.	WSW	2	c	44	85	8	4000	StCu	7	-	7	.
Aberdeen	1024.5	-2	SW	3	0	44	85	7	1500	Sr	10	-	10	0
Malin Head	1026.2	-1	SSW	4	0	44	97	8	2500	StCu	9	-	9	4
Renfrew	1027.1	-1	SSW	2	0-	43	85	7	2500	StCu	9	-	9	.
Edinburgh (Inchkeith)	1026.4	-1	WSW	3	b-	44	85	8	-	Sr	3	-	3	.
Leuchars	1026.5	-1	WSW	2	0	42	92	6	4000	StCu	10	-	10	.
Eskdalemuir	1028.4	0	SW	2	0	40	85	7	1500	StCu	10	-	10	.
Tynemouth	1028.7	+1	-	0	0	45	85	5	4000	StCu	10	-	10	0
Blacksod Point ...	1027.2	+1	WSW	2	0-	43	85	7	2500	Sr	9	-	9	1
Donaghadee	1028.8	.	S	1	c-	44	92	6	4000	Nb	8	-	8	.
Birr Castle	1030.1	0	SSW	2	0	47	92	8	1500	StCu	10	-	10	1
Holyhead	1030.7	0	SW	2	0	45	85	7	1500	Sr	10	-	10	3
Liverpool (Bidston) ...	1030.9	0	SE	1	fo	43	92	3	2500	Sr	10	-	10	.
Chester (Shotwick) ...														
Spurn Head	1030.7	-1	SSW	3	0	45	85	6	4000	StCu	10	-	10	3
Nottingham	1031.7	.	WSW	1	0	41	92	5	1500	Sr	10	-	10	.
Cranwell	1031.8	0	SW'W	2	0	43	92	6	2500	Sr	10	-	10	0
Gorleston	1032.2	0	-	0	ffo	43	92	3	2500	Sr	10	-	10	.
Valencia (Cahirciveen)														
Roches Point	1030.4	0	SSE	2	0	50	75	7	2500	StCu	10	-	10	2
Pembroke (St. Ann's H.)	1031.7	0	-	0	o/r	43	97	3	450	Sr	10	-	10	.
Ross-on-Wye	1032.3	0	-	0	0	41	97	3	2500	StCu	10	-	10	.
Benson...	1032.4	0	-	0	0	41	97	6	2500	StCu	10	-	10	.
Andover	1032.4	0	-	0	ffo	40	97	2	450	Sr	10	-	10	.
S. Farnborough ...	1032.7	0	-	0	ffo	44	97	2	450	Sr	10	-	10	.
London (Kew Obsy.) ...	1032.9	0	-	0	mo-	43	97	4	2500	StCu	10	-	10	.
Croydon	1032.4	0	NW	1	mmo	45	85	4	7200	StCu	10	-	10	0
Clacton-on-Sea ...	1032.6	0	-	0	0	43	85	5	1500	StCu	10	-	10	.
Shoeburyness	1033.2	0	-	0	mmo	42	97	4	4000	Sr	10	-	10	0
Grain	1032.5	0	NNE	2	ffo	42	97	3	4000	StCu	10	-	10	.
Lympne														
Scilly (St. Mary's) ...	1030.0	0	-	0	o/r	48	92	8	4000	StCu	10	-	10	2
Falmouth (Pendennis)	1030.0	0	SE	4	0	50	75	6	4000	Nb	10	-	10	1
Plymouth (Cattewater)	1030.9	0	E	1	0	46	92	8	2500	StCu	10	-	10	0
Portland Bill	1031.1	0	SE	4	o+	46	85	7	450	Sr	10	-	10	3
Southampton (Calshot)	1032.2	0	N	1	mo+	42	92	6	4000	StCu	10	-	10	0
Dungeness	1032.2	0	ENE	1	0	46	92	7	2500	StCu	10	-	10	2
Jersey 7h }	1030.0	0	E	1	b	45	85	7	-	-	0	-	0	3
Guernsey 1h }														

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 20-21st °F.	Temperature. Max. Day. 21st °F.	Rainfall.† Night 17h.-9h. 20-21st mm.	Rainfall.† Day 9h.-17h. 21st mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 21st hr.
Banff								
Montrose	*	*	41	45	-	-		4.9
Llandudno	o	o	40	49	-	-		0.1
Colwyn Bay ...	c	c	44	49	-	-		0.0
Rhyl...	o	o	44	49	-	-		0.0
Southport	o	o	44	47	-	-		0.0
Blackpool	om	om	44	48	-	-		0.0
Harrogate	o	ow	42	46	-	-		0.0
Skegness	om	mof	42	47	0.2	-		0.0
Aberystwyth ...	rcb	o	45	49	1	-		0.9
Bath	mo	om	44	47	-	-		0.0
Leamington Spa ...	o	om	40	45	-	-		0.0
Lowestoft	o	o	42	48	0.4	-		0.0
Felixstowe	omof	omf	38	48	0.3	-		0.0
Southend	o	o	43	47	-	-		0.0

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 20-21st °F.	Temperature. Max. Day. 21st °F.	Rainfall.† Night 17h.-9h. 20-21st mm.	Rainfall.† Day 9h.-17h. 21st mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 21st hr.
Paignton	omf	odpmq	44	48	-	Trace		0.0
Ilfracombe	o	o	48	49	-	-		0.0
Bude	o	o	43	52	-	-		0.0
Penzance	ogm	ogm	47	51	-	-		0.0
Falmouth Observatory	ome	mom	43	50	-	0.3		0.0
Torquay	o	o	47	50	-	-		0.0
Weymouth	o	od	45	48	-	1		0.0
Bournemouth ...	o	o	40	47	-	-		0.0
Portsmouth (S'thsea)	om	om	46	48	-	-		0.0
Worthing	o	o	45	49	-	-		0.0
Brighton	o	o	45	50	-	-		0.0
Eastbourne	o	o	45	50	-	-		0.0
Hastings	om	om	44	48	-	-		0.0
Folkestone	o	o	41	47	-	-		0.0
Tunbridge Wells ...	o	oom	43	48	-	-		1.7
Ramsgate	obc	bc	43	49	-	-		0.7
Margate	bcb	o	44	48	-	-		0.0
Deal	omc	com	43	48	-	-		

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 22281 THURSDAY 23RD NOVEMBER 1922.

Observations at 1300 G.M.T. 22nd

Stations	Barom. at M.S.L. m.b	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	State of ground.
Lerwick	1017.1	-3	WSW	5	cpr.	47	92	7	2500	Nb	5	A.St.	10	*
Stornoway	1020.4	0	SW	4	bc-	50	85	6	4000	Cu	5	-	5	*
Wick	1020.0	-1	SW	3	0	47	85	8	2500	Nb	9	-	9	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1024.8	-1	SSW	3	b	47	75	7	-	-	0	-	0	0
Malin Head	1026.5	0	SW'S	4	bc	48	92	8	2500	St.	2	A.Cu	4	*
Renfrew	1027.6	-1	SW	3	ojr	49	85	6	2500	St.Cu	10	-	10	0
Edinburgh (Inchkeith)	1027.3	-2	W	3	1mb	47	85	6	*	Cu	3	-	3	*
Leuchars	1026.4	+1	W	3	b	46	85	6	5700	St.Cu	2	-	2	0
Eskdalemuir	1029.1	0	SW	3	0	44	85	7	2500	St.Cu	9	-	9	1
Tynemouth	1028.9	+1	W	2	bc/f	48	75	6	-	-	0	Ci.Cu	4	*
Blacksod Point	1028.0	+1	S	4	0	51	85	9	-	St.Cu	10	-	10	*
Donaghadee	1028.8	-1	SW	2	bc-	49	75	8	-	-	0	A.Cu	5	*
Birr Castle	1029.7	*	SE	1	c-	47	85	8	4000	St.Cu	7	-	7	*
Holyhead	1030.4	0	SW'S	3	0	50	85	8	2500	Cu	4	A.Cu	5	1
Liverpool (Bidston)	1030.8	-1	S	1	0/r	46	92	5	800	Nb	10	-	10	*
Chester (Sealwick)	1031.3	0	SE	2	0/r	45	85	4	4000	St.Cu	10	-	10	5
Spurn Head	1031.0	+1	SW'W	3	0	45	92	5	4000	St.Cu	10	-	10	*
Nottingham	1031.3	*	S	2	0m	45	92	3	1500	St.	10	-	10	*
Cranwell	1031.7	-1	SSW	2	0	46	97	6	4000	St.Cu	10	-	10	0
Gorleston	1032.0	0	-	0	mmo	45	92	4	4000	St.Cu	10	-	10	*
Valencia (Cahirciveen)	1030.6	0	SE	3	c+	53	75	8	4000	Cu	8	-	8	1
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1030.9	0	S	3	0	49	85	8	-	-	0	A.St	10	*
Ross-on-Wye	1031.6	0	SW'W	2	opr.	47	92	6	2500	St.Cu	10	-	10	1
Gensor	1032.4	+1	-	0	mmo	48	85	4	*	St.Cu	10	-	10	*
Andover	1032.4	0	-	0	0	48	85	6	4000	St.Cu	10	-	10	0
S. Farnborough	1032.2	-1	-	0	mo-	48	75	4	4000	St.Cu	10	-	10	0
London (Kew Obsy.)	1032.6	-1	SSE	1	ff0	46	85	3	2150	St.	10	-	10	1
Croydon	1032.9	-1	ENE	1	0/f	45	85	4	4000	St.	10	-	10	1
Cleton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1033.1	0	NW	1	mo+	45	85	4	1500	St.	10	-	10	*
Grain	1033.0	0	-	0	mo	45	92	5	4000	St.	10	-	10	1
Lympne	1032.9	-1	NE	2	opr.	45	85	7	2500	St.Cu	9	-	9	1
Scilly (St. Mary's)	1030.8	+1	SE	3	c-	51	75	7	4000	Cu	8	-	8	*
Falmouth (Pendennis)	1031.3	+2	SSE	4	opr.	50	75	7	4000	Cu.Nb	10	-	10	*
Plymouth (Cattewater)	1031.8	0	-	0	0-	50	85	6	4000	St.Cu	9	-	9	0
Portland Bill	1031.1	0	NE	5	0	49	85	6	-	-	0	A.St	10	*
Southampton (Calshot)	1032.4	-1	-	0	mo-	47	85	6	4000	St.Cu	10	-	10	0
Dungeness	1032.1	-1	E	3	0-	47	92	8	4000	St.Cu	9	-	9	*
Jersey	1030.6	-1	ESE	4	b-	49	75	7	5700	Cu	1	Cc.St	3	*

Observations at 1800 G.M.T. 22nd

Stations	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1016.7	0	WSW	5	cpr.	47	97	6	4000	Nb	5	ACu	7	4
Stornoway	1019.6	-1	SW	3	opr.	50	85	6	450	St	10	-	10	2
Wick	1019.8	-1	SW	5	bc	47	85	8	2500	Nb	4	CiCu	6	3
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1021.7	*	-	0	cd.	48	92	8	2500	Nb	7	-	7	*
Malin Head	1024.6	0	SW	1	b	41	92	4	-	-	0	-	0	0
Renfrew	1026.7	0	SW	4	0+	49	92	7	2500	St	10	-	10	4
Edinburgh (Inchkeith)	1027.2	0	WSW	2	0-	47	85	6	2500	St.Cu	9	-	9	*
Leuchars	1027.3	+1	WSW	2	0+	47	85	7	-	-	0	ASt	9	2
Eskdalemuir	1026.3	0	-	0	b-	42	97	6	4000	St.Cu	1	-	1	*
Tynemouth	1028.9	0	SW	3	c-	43	85	7	2500	St.Cu	7	-	7	*
Blacksod Point	1028.9	0	W	1	fb+	44	85	3	-	-	0	-	0	0
Donaghadee	1028.6	0	W	1	bc-	47	85	8	4000	Cu	2	ACu	4	0
Birr Castle	1029.9	*	SSE	1	0+	47	92	6	2500	St.Cu	9	-	9	*
Holyhead	1030.2	0	SW	2	0	48	85	6	2500	St	4	ACu	9	0
Liverpool (Bidston)	1030.6	0	SW	1	0/r	46	85	7	1500	St	10	-	10	2
Chester (Sealwick)	1031.0	0	-	0	0/r	45	92	3	4000	St.Cu	10	-	10	*
Spurn Head	1030.7	0	SW	2	mmo	45	92	4	450	St	10	-	10	3
Nottingham	1031.3	*	SW	1	0	45	97	5	1500	St	10	-	10	*
Cranwell	1031.4	0	WSW	1	0	44	97	6	2500	St	10	-	10	*
Gorleston	1032.0	0	W	1	mmo	44	85	3	4000	St.Cu	10	-	10	0
Valencia (Cahirciveen)	1030.1	0	S	2	0+	49	85	8	4000	St	7	ASt	10	1
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1030.7	0	SSE	2	0	49	85	8	-	-	0	ASt	10	2
Ross-on-Wye	1031.7	0	-	0	mmo	46	85	4	800	St	10	-	10	*
Gensor	1031.8	0	-	0	mmo	47	92	4	*	St.Cu	10	-	10	*
Andover	1032.4	0	-	0	0	44	85	6	4000	St.Cu	10	-	10	*
S. Farnborough	1032.5	0	-	0	mmo	43	85	4	-	St	10	-	10	*
London (Kew Obsy.)	1032.7	0	-	0	0	45	85	5	4000	St.Cu	10	-	10	*
Croydon	1032.4	0	-	0	0	43	85	5	2500	St.Cu	10	-	10	*
Cleton-on-Sea	1032.4	0	NW	1	mmo	44	97	5	4000	St.Cu	10	-	10	1
Shoeburyness	1032.4	0	-	0	mmo	43	85	4	2500	St	10	-	10	*
Grain	1032.8	0	-	0	mo-	44	92	6	4000	St	10	-	10	0
Lympne	1032.4	0	NNE	2	0	43	85	7	2500	St.Cu	10	-	10	*
Scilly (St. Mary's)	1030.4	0	SE	3	b-	49	75	8	-	-	0	-	0	2
Falmouth (Pendennis)	1031.8	+2	ESE	3	c+	49	75	8	4000	Cu	8	-	8	0
Plymouth (Cattewater)	1031.6	+1	-	0	0	47	92	8	2500	St	10	-	10	0
Portland Bill	1031.1	0	E	4	0	46	85	6	-	-	0	ASt	10	3
Southampton (Calshot)	1032.2	+1	NE'E	2	mo-	46	85	6	4000	St.Cu	10	-	10	0
Dungeness	1032.3	0	E	2	bc-	46	85	8	-	-	0	ASt	3	2
Jersey	1030.3	0	E	3	b	46	75	8	-	-	0	-	0	3

LONDON OBSERVATIONS

	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. 23rd								YESTERDAY.		TO-DAY.
Kew } 24 hours ended 0700	0fwof	0fom	0mfw	*	*	39	-	-	0.0	*	*
Croydon }	0hfm	0mz	0mf	*	*	37	-	-	0.0	*	*
Greenwich (Royal Obsy.)	0	0	0m	46	40	38	-	-	0.0	80	77
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*	49	42	40	-	-	0.0	64	86
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	0.0	*	*
Camden Square			*	47	44	41	-	-	*		80
Kensington Palace	0f	0f	*	48	42	39	-	-	*	76 (18h)	82
Hampstead Observatory	*	*	*	46	41	?	-	-	0.0	*	85

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington

Max.	Time.	Min.	Time.
2.5	21h. 21m	0.6	5.6h. 22nd
2.5	9h. 22m		

Kew Observatory

Max.	Time.	Min.	Time.
1.3	22h. 21m	0.4	16h. 22m
1.0	4h. 22m		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 22nd 17 h. 00 m.
to 23rd 06 h. 30 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13.30	0.0	-
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 2ins. deep.
4 = Bare ground frozen (but more than 2ins. deep.
5 = Dew (or wet grass but not wet ground).
6 = Skating today in 1300 & 1800 reports (floor frost in 0900 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 freezing rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.‡

Time.	Type.	No. per 4 sec.	Stren.	Direc.
18h.	C	5	-	165°
19h.	C	6	-	5°
21h.	C	6	-	55°
07h.	C	4	-	-

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

23rd & 24th Nov.r, 1922.

Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	7.29	11.39	3.49
	7.31	11.40	3.49
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	12.28	4.38

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.
jp 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.
ro/ro = continuous light rain.

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

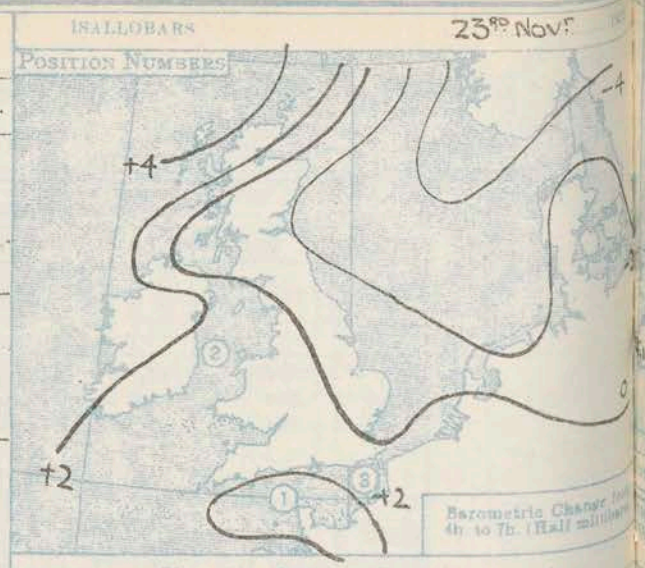
SEA DISTURBANCE.

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. 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. Hours.
Lerwick	cp	cgp	cgr	bcpq	48	38	•	1	5	0800	<2100	0.0
Stornoway	b	p	r d	pr	50	44	•	2	6	0800	-	2.2
Wick	oo	oo	b.bc	ibmc	48	42	•	-	2	-	0230	•
Castlebay							•					
Nairn	cgbc	bcdcg	cbcqd	dcq	50	46	•	0.2	1	1530	<2100	2.0
Aberdeen	cbm	bmm	bmo	oc	48	41	30	-	-	-	-	5.5
Malin Head	cobcg	bcz	cobce	bccom	49	47		-	trace	-	-	4.1
Renfrew	omq	opm	ompr	omd	49	47	43	Trace	0.2	11.00	<2100	0.9
Edinburgh (Inchkeith)	m	md	oo	c	48	46	43	-	-	-	-	3.5
Leuchars	bcc	f-m	o	o	47	41	29	-	-	-	-	5.8
Eskdalemuir	obco	bccmp	com	omcp	45	39	37	Trace	trace	-	0630	0.8
Tynemouth	offbm	bcmff	ffbm	bm	49	41	35	-	-	-	-	•
Blacksod Point ...	oo						•					•
Donaghadee	c	bc	c	bc	51	46	•	-	-	-	-	•
Birr Castle ...	co	copr	co	orr	52	44	40	0.1	2	1230	0330	•
Holyhead	oirmq	com	oo	oo	50	47	46	1	-	0800	-	0.0
Liverpool (Bidston) ...	odpm	odp	c	o	47	45	42	0.3	-	11.00	-	0.0
Chester (Shotwick) ...	ofmopq	oifom	opdom	oopdm	46	44	41	0.1	Trace	11.00	2200	•
Spurn Head	om	ffo	F	F	45	42	•	-	-	-	-	0.0
Nottingham	oo	oom	o	om	45	43	41	-	-	-	-	0.0
Cranwell	omm	om	om	omi	46	42	41	-	-	-	-	0.0
Gorleston	ofom	om	omo	oo	46	42	40	-	-	-	-	0.0
Valencia (Cahirciveen)	ocbc	co	od	c	53	47	43	-	trace	-	-	1.3
Roches Point												
Pembroke (St. Ann's H.)	oo	oo	p	op	50	47	•	-	0.6	-	2200	0.0
Ross-on-Wye	omfid	omogom	gom	gom	48	42	39	0.2	trace	11.00	-	0.0
Benson...	omi	omi	o	oz	48	39	38	Trace	-	-	-	•
Andover	or	om	o	c	49	39	39	Trace	-	0900	-	0.0
S. Farnborough ...	oiz	oomm	om	om	48	39	38	-	-	-	-	0.0
London (Kew Obsy.) ...	ofwaf	ofom	omw	ofw	47	41	39	-	-	-	-	0.0
Croydon	omfm	omz	om	omf	46	40	37	-	-	-	-	0.0
Clacton-on-Sea ...	ogm	ogm	ogm	ogm	46	41	39	-	-	-	-	0.0
Shoeburyness ...	om	om	om	om	45	39	37	-	-	-	-	0.0
Grain	omom	omom	om	omodd	45	40	36	-	0.1	-	<2100	0.0
Lympne	omd	or	oo	oo	47	40	36	Trace	-	11.00	-	0.2
Scilly (St. Mary's) ...	oc	cbc	bbc	bcc	52	45	•	0.1	-	11.00	-	0.2
Falmouth (Pendennis)	cp	ocp	oc	m	53	44	•	Trace	-	0800	-	1.9
Plymouth (Cattewater)	oo	od	cbcb	bbcc	50	43	35	Trace	-	1430	-	0.1
Portland Bill ...	oo	oo	oo	oo	51	43	•	-	-	-	-	•
Southampton (Calshot)	om	om	omcm	com	48	42	40	-	-	-	-	0.0
Dungeness ...	oo	c	c	bbc	47	43	•	-	-	-	-	•
Jersey ...	b	b	b	bo	52	36	•	-	-	-	-	7.7



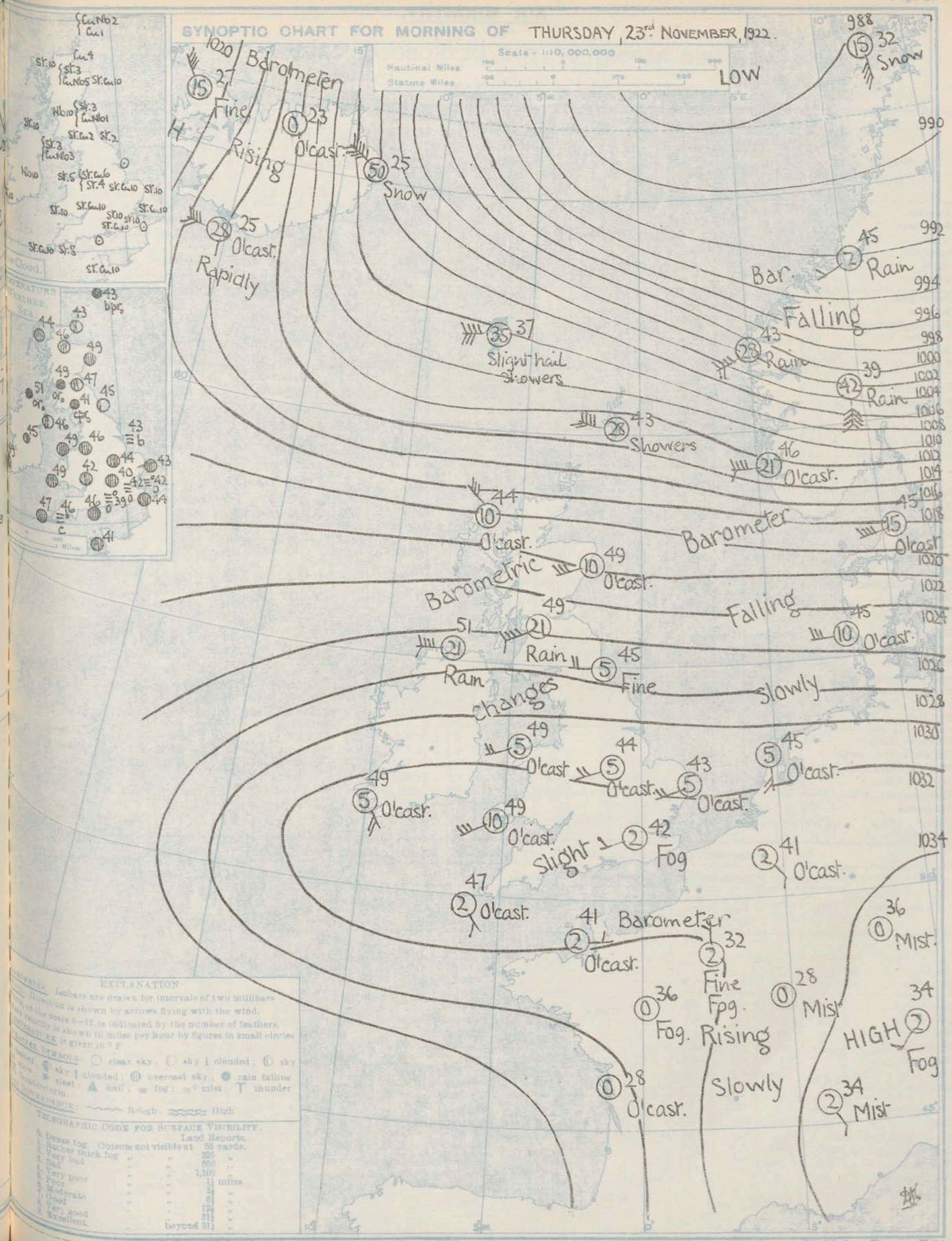
Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	22nd 1000	Hibernia	SW	2	bc	48	52
3	23rd 0300	Brighton	N	2	0	48	51

GENERAL INFERENCE.

The distribution remains anticyclonic over the southern half of the British Isles where quiet cloudy conditions will persist. Further north occasional rain or showers are likely and winds will be mainly West to Northwest, fresh in places at first then decreasing.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 23rd November, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light indefinite breezes; cloudy to overcast; some mist; moderate temperature.	With-held.
5. S.W. England 6. South Wales	Light indefinite breezes; variable cloud, overcast at times; visibility mainly good; moderate temperature.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind westerly, light or moderate; variable cloud, slight local rain; visibility mainly good; moderate temperature.	South Cone Hoisted at 0300 today, in Districts 14, 15 & 16.
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind W to N.W, fresh in places at first; decreasing later; variable cloud, occasional rain or showers; temperature falling somewhat.	
17. N.W. Ireland 18. N.E. Ireland	As 7 to 10.	
19. S.E. Ireland 20. S.W. Ireland	As 5 and 6.	


SYNOPTIC CHART FOR MORNING OF THURSDAY, 23rd NOVEMBER, 1922.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
988
15 32 Snow
990
992
45 2 Rain
Bar. Falling
994
996
998
1000
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
1028
1030
1032
1034
1020 Barometer
15 27 Fine
0 23 O'cast.
Rising
50 25 Snow
28 25 O'cast.
Rapidly
35 37 Slight hail showers
28 43 Rain
42 39 Rain
28 43 Showers
21 46 O'cast.
10 44 O'cast.
Barometer
15 45 O'cast.
Barometric
10 49 O'cast.
Falling
10 45 O'cast.
21 51 Rain
21 Rain
5 45 Fine
changes
Slowly
5 49 O'cast
5 44 O'cast.
5 45 O'cast.
5 43 O'cast.
5 49 O'cast.
10 49 O'cast.
Slight
2 42 Fog
2 41 O'cast.
2 47 O'cast.
41 Barometer
2 O'cast.
2 32 Fine
0 36 Fog.
Fpg.
Rising
0 28 Mist
0 36 Mist.
HIGH 2 34 Fog
0 28 O'cast.
Slowly
2 34 Mist
EXPLANATION
ISOBARS are drawn for intervals of two millibars
WIND. Direction is shown by arrows flying with the wind.
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
SEA TEMPERATURE: Rough; High
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
Land Reports.
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 " " 6 "
8. Very good " " 12 "
9. Excellent. " " 31 "
" " beyond 31 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.. THURSDAY 23RD NOVEMBER ....1922. No. 327

Observations at 0100 G.M.T. 23rd

Stations	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1010.1	-8	NNW	7	cr	49	85	7	2500	Nb	3	A Sr	8	•
Stornoway	1017.3	-3	W	7	r0+	•	•	4	•	•	•	•	•	•
Wick	1016.6	-3	SW	4	b+	46	92	8	4000	Cu	1	-	1	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1026.1	0	SW	4	b+	48	97	8	-	-	0	ACu	2	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1028.5	-1	SW	4	0	47	88	8	-	-	0	A Sr	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1028.7	0	WSW	1	b	44	75	6	-	-	0	ACu	3	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1030.4	0	W	3	0	49	85	8	2500	Sr	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1030.9	0	SW	1	ff0	44	92	2	450	Sr	10	-	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1031.4	0	W	3	0	43	97	6	2500	Sr	10	-	10	•
Gorleston	1031.5	0	WSW	1	0-	43	92	6	4000	Sr	10	-	10	•
Valencia (Cahirciveen)	1032.1	+1	SW	3	od0	45	97	7	-	SrCu	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1031.8	+1	W	3	opr0	49	85	7	1500	Nb	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	43	•	•	•	•	•	•	•	•
Croydon	1032.6	0	-	0	0	41	92	4	2500	SrCu	10	-	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1033.3	0	N	2	0	42	97	6	2500	Sr	10	-	10	•
Scilly (St. Mary's) ...	1032.5	+2	SE	2	b	49	75	8	-	-	0	-	0	•
Falmouth (Pendennis)	×	×	×	×	×	×	×	×	×	×	×	×	×	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1031.1	0	E	3	0	46	85	6	450	Sr	10	-	10	•
Southampton (Calshot)	1032.8	0	-	0	mo+	43	92	5	4000	SrCu	8	-	8	•
Dungeness	1032.3	0	NE	2	0+	43	92	7	-	-	0	A Sr	10	•
Jersey 7h }	1031.9	+1	ENE	3	0+	47	85	7	5700	SrCu	2	A Sr	9	•
Guernsey 1h }														

Observations at 0700 G.M.T. 23rd

Stations	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1013.0	+3	WNW	6	bpr0	43	65	7	4000	CuNb	3	-	3	5
Stornoway	1021.1	+4	NW	3	0/r	44	55	6	450	Sr	10	-	10	2
Wick	1018.1	+2	W	2	bc	43	85	8	4000	Cu	4	-	4	0
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	1020.6	•	WSW	3	c/r	46	85	8	1500	CuNb	8	-	8	•
Aberdeen	1020.8	-2	SW	3	0	49	85	7	2500	SrCu	10	-	10	0
Malin Head	1026.3	0	W	5	or0	51	92	7	2500	Sr	10	-	10	4
Renfrew	1025.0	-1	SW	5	or0	49	85	6	1500	Nb	10	-	10	•
Edinburgh (Inchkeith)	1024.0	-1	SW	4	bc-	47	97	7	-	Sr	4	-	4	3
Leuchars	1022.7	-2	SW	5	bc	47	85	7	4000	SrCu	5	-	5	•
Eskdalemuir	1027.7	0	SW	3	cpr0	41	92	6	1500	SrCu	2	CuSr	7	•
Tynemouth	1027.1	-1	W	2	b	45	85	5	4000	Sr	2	-	2	0
Blacksod Point ...	1028.9	+2	WSW	3	bc+	46	92	8	4000	Sr	6	-	6	2
Donaghadee	1031.4	•	S	1	or-	45	97	5	450	Nb	10	-	10	•
Birr Castle	1031.2	0	WSW	2	0	49	85	7	2500	Sr	5	A Sr	10	0
Holyhead	1031.0	0	WSW	3	0+	46	85	7	2500	SrCu	10	-	10	3
Liverpool (Bidston) ...	1031.2	0	W	2	o/r	47	85	6	2500	SrCu	10	-	10	•
Chester (Shotwick) ...														
Spurn Head	1030.4	0	SW	3	fb-	43	92	3	-	-	0	-	0	3
Nottingham	1031.5	•	WSW	2	0	44	92	2	1500	SrCu	10	-	10	•
Cranwell	1031.4	0	W'S	3	0	43	97	6	2500	Sr	10	-	10	•
Gorleston	1031.4	0	W'S	2	0	43	85	6	4000	Sr	10	-	10	0
Valencia (Cahirciveen)	1032.9	+2	SE	2	0	49	85	6	2500	Sr	10	-	10	1
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1032.8	+1	SW	3	0	49	85	8	1500	Sr	10	-	10	2
Ross-on-Wye	1032.5	0	WNW	2	0	42	97	4	2500	SrCu	10	-	10	•
Benson...	1032.9	+1	SW	2	0	40	92	6	4000	Sr	10	-	10	•
Andover	1033.4	0	-	0	0	39	97	7	4000	SrCu	10	-	10	•
S. Farnborough ...	1033.2	+1	-	0	mm0	39	97	5	1500	SrCu	10	-	10	•
London (Kew Obsy.) ...	1033.3	+1	WSW	1	ff0	42	92	3	2500	Sr	10	-	10	•
Croydon	1032.9	+1	-	0	0	40	92	3	2500	SrCu	10	-	10	0
Clacton-on-Sea ...	1032.4	0	NNW	1	mm0	42	97	4	5700	SrCu	10	-	10	0
Shoeburyness	1032.7	0	SW	1	mm0	42	85	4	1500	Sr	10	-	10	•
Grain	1033.3	0	WSW	2	0	40	97	4	2500	Sr	10	-	10	0
Lympne	1034.0	0	N'W	2	0	40	92	5	4000	SrCu	5	ACu	10	•
Scilly (St. Mary's) ...	1032.9	+1	SE	1	0+	47	85	8	4000	SrCu	10	-	10	2
Falmouth (Pendennis)	1033.5	+2	NNE	1	mm0	46	92	6	2500	Sr	8	-	8	0
Plymouth (Cattewater)	1033.4	+3	-	0	0+	43	97	7	4000	SrCu	9	-	9	0
Portland Bill	1032.8	+2	NE	2	0	46	85	6	2500	Sr	10	-	10	1
Southampton (Calshot)	1033.6	+2	N	1	mm0	43	85	5	4000	SrCu	10	-	10	0
Dungeness	1032.4	0	NE	2	0	44	92	7	-	-	0	A Sr	10	2
Jersey 7h }	1032.2	0	E	1	0	41	92	6	2500	SrCu	10	-	10	0
Guernsey 1h }														

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

Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 21-22 °F.	Temperature. Max. Day. 22nd °F.	Rainfall.† Night 17h.-9h. 21-22 mm.	Rainfall.† Day 9h.-17h. 22nd mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 22nd hr.
Banff								
Montrose	*	*	36	49	-	-		6.4
Llandudno	do	doo	40	49	2	-		0.0
Colwyn Bay ...	cd	cd	45	48	1	1		0.0
Rhyl...	op	0	44	48	0.3	-		0.0
Southport	odo	0	45	47	-	0.2		0.0
Blackpool	0	c	45	48	-	-		0.0
Harrogate	bc	bc	42	46	-	-		0.0
Skegness	0	0	42	46	-	-		0.0
Aberystwyth ...	moc	0	45	49	-	-		0.0
Bath	0	oc	42	50	-	-		0.0
Leamington Spa ...	oe	oem	40	47	-	-		0.0
Lowestoft	ofo	om	43	47	-	-		0.0
Felixstowe	om	om	42	47	-	-		0.0
Southend	fo	0			-	-		0.0

Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 21-22 °F.	Temperature. Max. Day. 22nd °F.	Rainfall.† Night 17h.-9h. 21-22 mm.	Rainfall.† Day 9h.-17h. 22nd mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 22nd hr.
Paignton	ufc	odpm	44	48	1	Trace		0.0
Ilfracombe	opo	0	47	50	-	0.2		0.0
Bude	moo	o	46	50	-	-		0.0
Penzance	ocbc	cbc	47	52	0.2	-		1.0
Falmouth Observatory	om	ombom	47	54	1	-		1.7
Torquay	of	of	45	48	0.4	0.1		0.0
Weymouth	o	o	44	50	1	-		0.0
Bournemouth ...	o	o	39	49	-	-		0.0
Portsmouth (S'thsea)	om	cbf	42	49	-	-		0.0
Worthing	o	o	43	47	-	-		0.0
Brighton	o	o	45	48	-	-		0.0
Eastbourne	o	o	44	48	-	-		0.0
Hastings	om	o	45	47	-	-		0.0
Folkestone	o	o	44	47	-	-		0.0
Tunbridge Wells ...	o	oom	42	46	-	-		0.0
Ramsgate	o	ocbco	44	48	-	-		0.2
Margate	o	o	45	48	-	-		0.1
Deal	cd	cm	43	46	-	-		0.0

* 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 22282 FRIDAY, 24TH NOVEMBER 1922.

Observations at 1300 G.M.T. 23rd

STATIONS.	Barom. at M.S.L. m.b	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	State of ground.
Lerwick	1011·8	-3	W	7	0PR	37	97	6	4000	Nb	10	–	10	*
Stornoway	1022·4	0	W	4	0	46	75	6	4500	St	10	–	10	*
Wick	1018·8	+1	WSW	3	0/r	44	75	8	4000	Cu	4	Ci	10	*
Castlebay	*													*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1022·9	0	W	3	0 ⊕	47	65	8	5700	StCu	1	Cu St	9	1
Malin Head	1028·7	+1	WSW	5	0/r	51	97	7	1500	St	10	–	10	*
Renfrew	1027·3	+3	W	3	0/r	49	85	8	2500	StCu	10	–	10	1
Edinburgh (Inchkeith)	1024·8	+1	WSW	5	C+	49	85	8	–	Cu	4	CiCu	8	*
Leuchars	1025·6	+1	W	6	C	50	75	8	–	–	0	Ci	8	0
Eskdalemuir	1026·9	-1	W	5	0/r₀	49	85	6	1500	StCu	10		10	1
Tynemouth	1026·3	-1	W	4	b	52	75	6	4000	Cu	1	CiCu	3	*
Blacksod Point														*
Donaghadee	1029·4	0	WNW	3	bc-	53	75	7	–	–	0	ACu	5	*
Birr Castle	1033·5	*	S	1	c/r	51	85	8	4000	Nb	8	–	8	*
Holyhead	1032·0	0	WN	4	bc	51	85	8	2500	St	6	–	6	0
Liverpool (Bidston)	1030·9	+1	WSW	5	b-	50	75	7	4000	St	1	CiCu	2	*
Chester (Shotwick)	1031·5	0	WNW	3	b-	54	65	6	4000	Cu	2	–	2	0
Spurn Head	1029·4	-1	W	4	b	48	85	5	–	–	0	–	0	*
Nottingham	1031·2	*	WSW	2	C	50	85	5	–	–	0	ACu	7	*
Cranwell	1031·1	-1	WSW	3	bc	48	85	6	2500	StCu	6	–	6	0
Gorleston	1031·2	0	W	3	b	50	75	6	–	–	0	–	0	*
Valencia (Cabirciveen)	1034·9	+1	SSE	3	0+	52	85	7	4000	St	6	ASt	10	1
Roches Point														*
Pembroke (St. Ann's H.)	1033·6	+2	W	3	0	51	85	8	4000	StCu	10	–	10	*
Ross-on-Wye	1032·1	-1	WSW	1	0	51	75	6	5700	StCu	10	–	10	0
Benson	1032·7	-1	WSW	2	0	46	85	5	–	StCu	10	–	10	1
Andover	1033·2	0	WSW	2	0	47	75	6	4000	StCu	10	–	10	0
S. Farnborough	1033·0	-2	W	1	mmo	49	75	6	7200	StCu	10	–	10	0
London (Kew Obsy.)	1033·0	-2	SW	1	0	48	75	5	5700	StCu	7	ASt	10	1
Croydon	1032·9	-1	WNW	2	0/r	49	65	6	5700	StCu	10	–	10	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1032·6	-1	W'S	1	mmo	46	75	5	1500	St	10	–	10	*
Grain	1032·7	-1	WSW	3	mo+	48	65	5	5700	StCu	10	–	10	1
Lympne	1032·7	-1	WNW	2	mmo	45	75	4	5700	StCu	10	–	10	0
Scilly (St. Mary's)	1034·2	0	E	2	0	50	85	7	4000	StCu	10	–	10	*
Falmouth (Pendennis)	1034·9	0	–	0	c-	49	85	7	4000	StCu	8	–	8	*
Plymouth (Cattewater)	1034·0	-1	W	1	b-	50	75	6	2500	Cu	1	–	1	0
Portland Bill	1032·8	0	NNW	2	bc-	51	85	7	–	–	0	ACu	4	*
Southampton (Calshot)	1033·6	-1	S	2	c-	50	75	6	7200	StCu	3	ACu	8	0
Dungeness	1032·8	0	NE	2	0+	41	65	7	*	StCu	10	–	10	*
Jersey 7h / Guernsey 1h	1033·2	0	E	2	0	48	75	6	2500	StCu	10	–	10	*

Observations at 1800 G.M.T. 23rd

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1014·7	+5	NW	5	bc-	36	65	7	4000	Cu	6	–	6	4
Stornoway	1021·6	+4	NW	5	0PR-	43	85	6	450	St	10	–	10	4
Wick	1019·9	+5	WNW	7	cPR	40	85	8	2500	CuNb	5	CiCu	7	6
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1023·3	*	W	5	c	45	85	8	4000	CuNb	7	–	7	*
Malin Head	1023·2	+2	W'S	3	0r₀	46	75	7	4000	Nb	10	–	10	0
Renfrew	1030·0	+2	SW	5	0d₀	51	97	7	1500	St	10	–	10	4
Edinburgh (Inchkeith)	1027·3	+1	W	4	c-	48	85	7	2500	StCu	7	–	7	*
Leuchars	1024·4	0	WSW	5	bc-	48	85	8	–	St	2	ASt	5	5
Eskdalemuir	1024·5	+2	WSW	4	b-	45	75	8	4000	StCu	3	–	3	*
Tynemouth	1027·7	0	W	4	0pr₀	48	85	7	1500	StCu	8	ASt	10	*
Blacksod Point	1025·5	-1	W	3	bc-	51	85	6	–	–	0	ASt	4	2
Donaghadee	1029·4	+1	WNW	2	bc-	50	85	8	–	–	0	ACu	4	1
Birr Castle	1033·4	*	SW	1	0+	47	85	6	2500	Nb	9	–	9	*
Holyhead	1032·5	+1	W'N	4	bc-	50	92	8	–	–	0	ACu	4	2
Liverpool (Bidston)	1031·5	+1	W'S	5	bc+	48	85	8	–	–	0	ACu	6	5
Chester (Shotwick)	1032·1	+1	WNW	3	c+	47	85	4	4000	StCu	5	Ci	8	
Spurn Head	1029·1	0	WSW	5	b	47	85	5	–	–	0	–	0	4
Nottingham	1031·6	*	WSW	2	b	45	85	5	–	–	0	–	0	*
Cranwell	1030·9	+1	W'S	4	b	45	97	6	–	–	0	–	0	
Gorleston	1029·9	-1	N'W	3	b	42	92	6	–	–	0	–	0	0
Valencia (Cabirciveen)	1035·9	+2	ENE	1	0/r	48	92	7	2500	St	10	–	10	1
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1034·0	0	NW	2	0	50	85	7	–	–	0	ASt	10	2
Ross-on-Wye	1033·0	+1	SW'W	1	b-	43	85	5	–	–	0	–	0	*
Benson	1032·1	0	–	0	b-	40	92	5	–	–	0	–	0	*
Andover	1033·9	+1	–	0	b-	41	97	6	–	–	0	–	0	*
S. Farnborough	1033·4	+1	–	0	mmo	49	92	6	–	StCu	10	–	10	*
London (Kew Obsy.)	1033·4	+1	SW	2	0	46	85	4	5700	StCu	10	–	10	*
Croydon	1033·3	+1	W'S	2	0	45	85	5	4000	StCu	10	–	10	*
Clacton-on-Sea	1032·2	0	W	3	mbc-	44	92	6	7200	StCu	5	–	5	0
Shoeburyness	1032·3	0	WSW	2	b/m	44	85	7	–	–	0	–	0	*
Grain	1032·8	0	SW	3	bc-	45	85	5	7200	StCu	6	–	6	0
Lympne	1033·1	+1	W'S	3	0	44	75	5	5700	StCu	10	–	10	*
Scilly (St. Mary's)	1034·9	+1	ENE	1	0	48	85	8	4000	StCu	10	–	10	1
Falmouth (Pendennis)	1034·7	0	NE	2	b-	47	85	6	4000	StCu	3	–	3	0
Plymouth (Cattewater)	1034·7	+1	–	0	b-	47	92	5	–	–	0	–	0	0
Portland Bill	1032·8	0	NNW	2	b-	51	85	7	–	–	0	–	0	1
Southampton (Calshot)	1034·1	+1	–	0	b-	45	85	6	4000	StCu	3	–	3	0
Dungeness	1034·4	0	W	2	0	47	75	7	–	–	0	ASt	10	2
Jersey 7h / Guernsey 1h	1033·6	0	E	2	c	46	85	6	4000	StCu	7	–	7	0

LONDON OBSERVATIONS.

	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. 24th								YESTERDAY.	TO-DAY.	
Kew	0f0Z	0zm	0bmw	*	*	29	–	–	0·0	*	*
Croydon (24 hours ended 0700)	0fmZ	0zm	0bm	*	*	36	–	–	0·0	*	*
Greenwich (Royal Obsy.)	0m	0m	bc0mw	48	41	30	–	–	0·0	7·5	8·7
City (Bunhill Row)	*	*	*	*	*	*	*	*	0·0	*	*
Westminster (St. James' Pk.)	*	*	*	49	40	32	–	–	0·0	7·3	9·8
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	0·0	*	*
Camden Square	0	b	*	49	43	37	–	–	*	*	9·4
Kensington Palace	0c	0c	*	49	41	31	–	–	*	8·6 (8·8h)	9·2
Hampstead Observatory	*	*	*	46	38	?	–	–	0·0	*	9·4

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

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

South Kensington

Max	Time.	Min.	Time.
2·0	22nd 20h.	0·6	23rd 6-7h.
1·3	23rd 7h.		

Kew Observatory

Max.	Time.	Min.	Time.
1·1	22nd 22h.	<0·3	23rd 14h.
0·9	23rd 9h.		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 23rd 17 h. 00 m. to 24th 06 h. 30 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13.30	8·5	60
δ Ursae Minoris	13.30	6.45	50

CODE FOR STATE OF GROUND.

0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2ins. deep.
4 = Bare ground frozen (but more than 2ins. deep.
5 = Dew (or wet grass but not wet ground).
6 = Skating today in 1300 & 1800 reports (Hoar frost in 0900 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.	-	-	-	-
19h.	C	6	-	170
01h.	C	6	-	85
07h.	C	6	-	55

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

24th & 25th Nov.r, 1922.

STATIONS.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	7.31	11.40	3.48
	7.33	11.40	3.47
Greenwich	7.34	11.47	3.59
	7.36	11.47	3.58
Wick	8.22	11.59	3.35
	8.24	11.59	3.33
Valencia	8.17	12.28	4.38
	8.19	12.28	4.37

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.
jp 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.
r₀r₀ = continuous light rain.

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	55-65
11	64-75
12	Above 75

SEA DISTURBANCE.

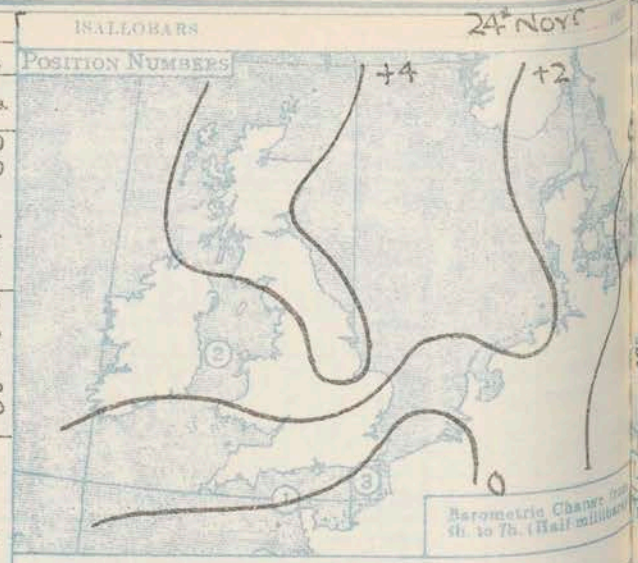
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 2.

M.O. Form 2370.

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. Hours.
Lerwick	cphrq	oprhs	bcqph	bcqph	45	31	•	3	1	0900	<2100	0.0
Stornoway	bo	p	c	bc	46	34	•	1	2	–	–	0.0
Wick	bcpo	oPq	c	crhpq	45	35	•	1	0.3	<0800	<2100	•
Castlebay							•					
Nairn	cdq	bcqc	qprc	bcx	48	35	•	0.2	1	16.30	<2100	0.8
Aberdeen	c bc	cocor	oirb	prs	49	35	29	1	1	<0800	<2100	1.1
Malin Head	oidm	oidom	oir	c	51	46	•	0.5	0.5	0900	<2100	0.0
Renfrew	oirpr	oc	cbcb	bbc	50	34	28	0.2	trace	<0800	–	0.3
Edinburgh (Inchkeith)	bc	bc	orr	c	50	39	33	–	0.2	–	0630	2.8
Leuchars	c	ocbcq	bc		51	32	25	trace	–	<0800	–	2.6
Eskdalemuir	pmopo	oopoo	opobc	bc	49	30	26	0.3	trace	<0800	<2100	0.0
Tynemouth	bcq	bcmq	bcm	om	52	40	37	–	–	–	–	•
Blacksod Point ...							•					•
Donaghadee	bc	bc	or	o	53	46	•	–	1	–	2200	•
Birr Castle ...	orco	co	ocz	ocz	52	43	34	0.3	–	<0800	–	•
Holyhead	ocbc	bcb	bcbbc	bcco	52	49	45	–	–	–	–	2.8
Liverpool (Bidston) ...	obcb	bcb	oo		51	46	41	–	–	–	–	5.3
Chester (Shotwick) ...	ocbcm	bbcc	cbccom	oopromo	54	44	37	–	trace	–	0630	•
Spurn Head	form	b-bc	bbc	c	48	44	•	–	–	–	–	4.6
Nottingham	cm	bm	b	bm	51	41	37	–	–	–	–	0.7
Cranwell	obmo	mm	bb	bido	48	41	40	–	trace	–	0630	1.5
Gorleston	ocb	b-bc	bo	oo	50	41	38	–	–	–	–	4.9
Valencia (Cahirciveen)	o	oiro	o	odo	54	46	44	2	trace	1330	–	0.0
Roches Point							•					•
Pembroke (St. Ann's H.)	c	oo	bbc	bw	53	46	•	–	–	–	–	1.0
Ross-on-Wye	omcm	ocb	bmwbfx	bmxbcx	51	29	25	–	–	–	–	0.6
Benson...	oz	obc	bc	bco	47	32	28	–	–	–	–	•
Andover	oo	ocbcbm	bbffb	bm	49	32	26	–	–	–	–	0.0
S. Farnborough ...	oomm	oom	omb	bom	49	36	30	–	–	–	–	0.0
London (Kew Obsy.) ...	of o3	ozom	ombom	omw	48	40	29	–	–	–	–	0.0
Croydon	ofm3	ozm	obo	om	49	42	36	–	–	–	–	0.0
Clacton-on-Sea ...	ogm	ogcbcm	bccm	bccm	47	40	37	–	–	–	–	0.0
Shoeburyness	om	omcbc	bbcm	cm	47	39	35	–	–	–	–	0.0
Grain	oipm	ozbcm	bbccm	bcmbm	48	38	31	–	0.1	–	–	0.0
Lympne	om	om	oo	comw	46	38	32	–	trace	–	–	0.0
Scilly (St. Mary's) ...	oo	oo	cbcb	bbc	51	45	•	–	–	–	–	0.1
Falmouth (Pendennis)	cm	cbcm	ocbcb		50	43	•	trace	–	<0800	–	2.4
Plymouth (Cattewater)	omb	b	bm	b.fe	52	38	30	–	–	–	–	2.7
Portland Bill	obc	bcb	bbc	bbc	52	44	•	–	–	–	–	•
Southampton (Calshot)	ocm	ombmbm	F	c	50	35	30	–	–	–	–	0.4
Dungeness	c	oo	bbc	bbc	48	40	•	–	–	–	–	•
Jersey 7h. / Guernsey 1h. ...	oco	oc	bwx	bwxc	49	34	•	–	–	–	–	3.0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.
2	23rd 1010	"Hibernia"	SW	4	bc	51	54

GENERAL INFERENCE.

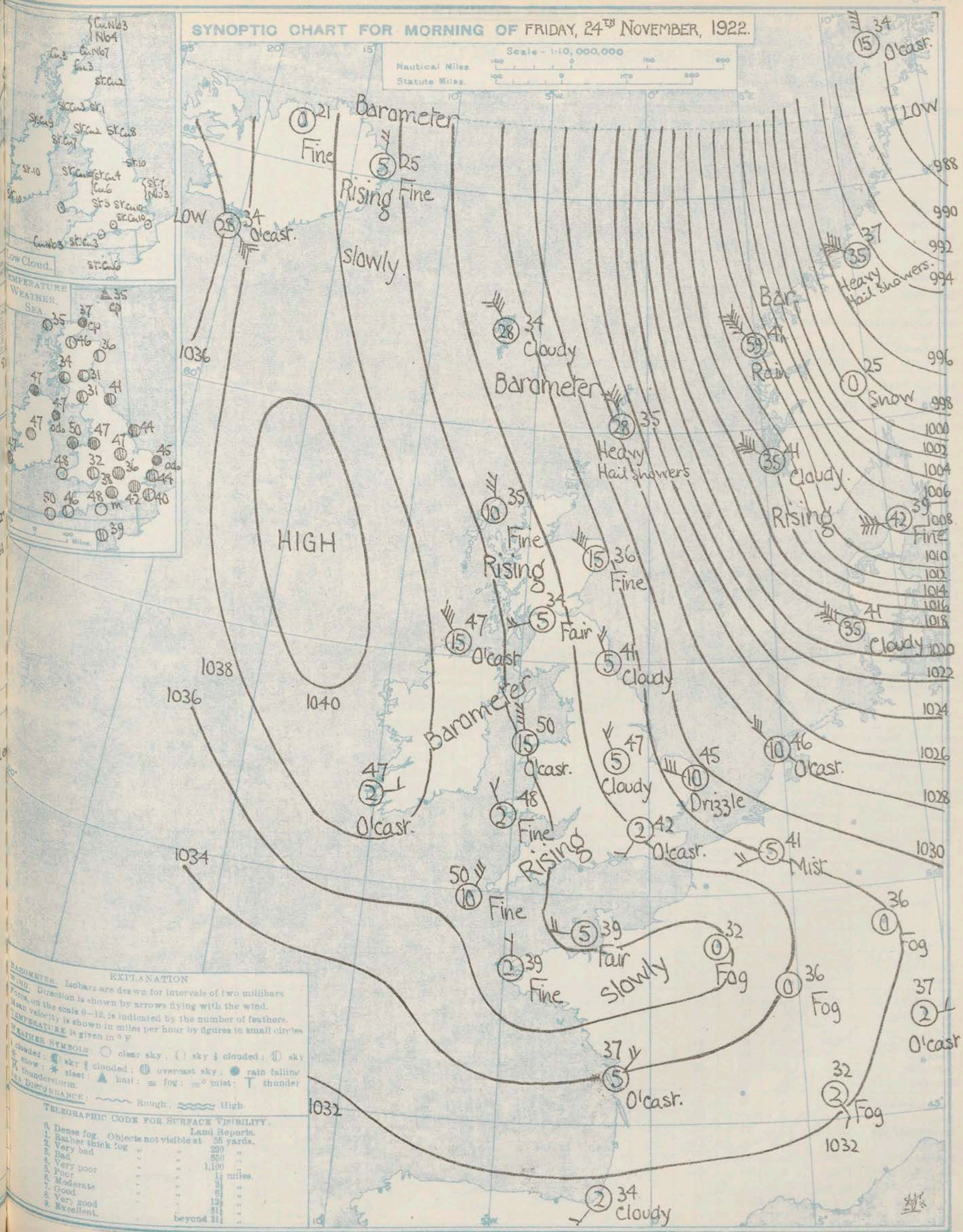
An anticyclone has developed to north of these Islands and will result in colder but mainly fair weather in most districts, with northerly to indefinite winds. A distant depression over the Atlantic may cause unsettled conditions in the West in the course of a day or two.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 24th November, 1922.	Further Outlook.
1. S.E. England 2. E. England	Wind N to NE, light or moderate; fair to cloudy, risk of showers in places on coast; mist locally at night; colder.	Probably becoming unsettled in the West in the course of a day or two.
3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Wind northerly to indefinite, light; mainly fair; some mist and frost in places at night.	
10. N.E. England 11. E. Scotland	As 1 and 2.	
12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides	Wind northerly to indefinite, light; mainly fair; mist locally at night; cold.	
16. Orkneys and Shetlands	Wind northerly, moderate or fresh; variable cloud, some snow or hail showers; visibility good; cold.	
17. N.W. Ireland	Wind indefinite, then southerly, light; fair to cloudy; visibility moderate or good; moderate temperature.	
18. N.E. Ireland		
19. S.E. Ireland	As 3 to 9.	
20. S.W. Ireland	As 17.	

MAK.

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. FRIDAY, 24th NOVEMBER 1922. No. 328

Observations at 0100 G.M.T. 24th

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1021.7	+5	NW	6	bph	35	85	7	4000	CuNb	2	-	2	•
Stornoway	1032.[illegible]	+3	N	3	0	•	•	5	•	•	•	•	•	•
Wick	1027.[illegible]	+5	NW	6	ch/c	38	85	8	2000	CuNb	7	-	7	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1033.4	+2	NW	5	o/r	49	85	8	4000	Sr	10	-	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1030.3	+5	NNW	2	o/r	43	85	7	-	Nb	10	-	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1029.4	+4	W	2	c+	47	75	6	-	-	0	A.Sr	8	•
Blackcod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1033.5	+1	NW'N	5	bc+	50	92	8	2500	SrCu	5	-	5	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1028.9	-1	W'S	5	b	47	85	6	1500	Sr	1	-	1	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1031.3	0	NNW	4	b	44	97	6	-	-	0	-	0	•
Gorleston	1030.1	0	W'S	3	o+	42	97	6	4000	Sr	10	-	10	•
Valencia (Cahireiveen)	1032.2	+1	NW'W	1	0	51	92	7	-	SrCu	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1035.1	0	NW	3	b	48	92	8	-	-	0	-	0	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	+2	•	•	•	•	•	•	•	•
Croydon	1033.8	0	W	2	0	44	92	6	4000	SrCu	10	-	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1033.1	0	NW	3	0	42	97	6	2500	SrCu	10	-	10	•
Scilly (St. Mary's) ...	1036.0	0	NE	1	b	46	92	8	-	-	0	-	0	•
Falmouth (Pendennis)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1034.3	+2	NNW	4	b	48	85	7	-	-	0	-	0	•
Southampton (Calshot)	1035.0	0	NW'N	1	fb+	38	97	3	-	-	0	-	0	•
Dungeness	1033.4	0	WNW	2	c-	42	97	6	-	-	0	A.Sr	8	•
Jersey -7h }	1035.1	+1	WNW	1	b	46	85	7	-	-	0	-	0	•
Guernsey 1h }														

Observations at 0700 G.M.T. 24th

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1027.1	+5	NNW	6	CPH	35	75	7	4000	Nb	7	-	7	5
Stornoway	1035.8	+4	N	3	b	35	92	7	4000	Cu	3	-	3	1
Wick	1031.6	+5	NW	6	cpr	37	85	8	2500	CuNb	7	-	7	6
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	1034.8	•	NNW	1	b/r	36	85	8	4000	Cu	3	-	3	•
Aberdeen	1033.2	+4	NW	4	b/h	36	97	8	2500	SrCu	2	-	2	0
Malin Head	1037.5	+4	NNW	4	o-	47	85	8	5700	SrCu	9	-	9	5
Renfrew	1035.8	+5	WSW	2	bc+	34	75	7	5700	SrCu	3	A.Sr	4	•
Edinburgh (Inchkeith)	1034.5	+5	NW	2	b-	39	75	8	-	Sr	1	A.Sr	2	2
Leuchars	1034.7	+4	NNW	3	b	32	85	8	-	-	0	A.Sr	1	•
Eskdalemuir	1035.8	+4	-	0	bc	31	85	7	2500	SrCu	7	Ci.Sr	8	•
Tynemouth	1033.[illegible]	+4	NNW	2	c-	41	75	7	4000	SrCu	8	-	8	•
Blackcod Point ...	1036.0	+3	NNE	1	od+	47	85	8	5700	SrCu	7	A.Sr	10	0
Donaghadee	1037.6	•	S	1	o+	47	97	5	450	Sr	10	-	10	•
Birr Castle	1036.0	+3	N	4	o	50	85	8	2500	SrCu	10	-	10	2
Holyhead	1035.0	+2	NW'N	3	o	47	92	7	2500	Cu	10	-	10	4
Liverpool (Bidston) ...	1035.1	+3	NNW	3	o/r	47	92	5	2500	Sr	10	-	10	•
Chester (Shotwick) ...														
Spurn Head	1033.0	+5	NNW	4	o	44	85	6	1500	Sr	10	-	10	4
Nottingham	1033.3	•	NNW	2	c	47	85	3	1500	Nb	4	A.Cu	7	•
Cranwell	1033.2	+4	N'W	3	bc-	45	85	7	4000	SrCu	4	Ci	5	0
Gorleston	1030.8	0	WNW	3	od	45	92	6	2500	Sr	10	-	10	•
Valencia (Cahireiveen)	1036.7	+2	ENE	1	0	47	92	6	2500	Sr	10	-	10	2
Roches Point	1036.6	+1	N'W	1	b	48	85	8	-	-	0	-	0	2
Pembroke (St. Ann's H.)	1035.4	+2	-	0	bc	32	97	5	1500	Sr	3	Ci.Cu	4	•
Ross-on-Wye	1035.2	+1	-	0	o	36	97	5	2500	SrCu	10	-	10	•
Benson	1035.3	+1	WNW	3	b	34	97	6	2500	SrCu	1	-	1	•
Andover	1034.9	+1	W	1	mmo	38	97	6	-	-	0	A.Sr	0	•
S. Farnborough ...	1034.8	+1	SW	1	o	42	92	5	2500	SrCu	10	-	10	•
London (Kew Obsy.) ...	1034.4	+1	W'N	2	o	43	92	6	4000	SrCu	10	-	10	•
Croydon	1032.3	+1	NW	3	c+	44	92	6	7200	SrCu	8	-	8	0
Clacton-on-Sea ...	1033.1	0	NW	1	mmc	42	85	6	5700	SrCu	6	A.Cu	8	•
Shoeburyness	1033.7	0	W	4	c	42	92	5	5700	Sr	3	A.Cu	8	0
Grain	1033.2	0	NNW	5	o	45	92	6	4000	SrCu	6	A.Cu	10	•
Lympne	1036.1	0	NNE	3	b+	50	85	8	2500	CuNb	3	-	3	1
Scilly (St. Mary's) ...	1037.1	+2	-	0	b-	46	97	6	4000	SrCu	3	-	3	0
Falmouth (Pendennis)	1036.4	+1	-	0	fb+	44	97	2	-	-	0	-	0	0
Plymouth (Cattewater)	1035.0	+1	NNW	3	b	48	85	7	-	-	0	-	0	0
Portland Bill	1035.3	+4	NW	2	mb-	37	97	6	-	-	0	A.Cu	1	0
Southampton (Calshot)	1033.2	0	NW	2	bc+	40	97	7	-	-	0	A.Cu	5	2
Dungeness	1035.6	0	W	2	bc	39	92	6	4000	SrCu	6	-	6	0
Jersey -7h }														
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR Thurs. 23rd

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 22-23 °F.	Temperature. Max. Day. 23rd °F.	Rainfall.† Night 17h.-9h. 22-23 mm.	Rainfall.† Day 9h.-17h. 23 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 23 hr.
Banff								
Montrose	*	*	42	52	1	-		1.5
Llandudno	b.bc	bc	41	52	-	-		5.2
Colwyn Bay ...	bc	bc	47	52	-	-		4.0
Rhyl	bc	bc	44	54	-	-		5.3
Southport	c.bc	bc.c.o	45	50	-	-		1.7
Blackpool	bc	c	44	51	-	-		2.9
Harrogate	b	b.bc.o	39	49	-	-		5.4
Skegness	b	b	41	51	-	-		4.9
Aberystwyth ...	m.o.c	o	46	50	3	-		0.0
Bath	o	o.c.bc.b	42	52	-	-		1.2
Leamington Spa ...	o.c.b	c.b.bem	41	49	-	-		0.5
Lowestoft	om	ob.b	42	50	-	-		4.5
Felixstowe	om	bm	41	47	-	-		0.0
Southend	fo	o	41	46	-	-		0.0

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 22-23 °F.	Temperature. Max. Day. 23 °F.	Rainfall.† Night 17h.-9h. 22-23 mm.	Rainfall.† Day 9h.-17h. 23 mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 23 hr.
Paignton	om	om.cbf	40	53	-	-		1.6
Ilfracombe	o.c.bc	bc.c.o	47	54	-	-		3.7
Bude	r.o.c.b	b.bc.c	42	54	0.8	-		5.2
Penzance	oz.c	o.c.bc	46	50	-	-		0.0
Falmouth Observatory	om	om.bm	43	53	-	-		1.1
Torquay	bc	b	43	53	-	-		2.0
Weymouth	b.bc	cm.b	42	49	-	-		2.8
Bournemouth ...	o.b	oo.c	41	52	-	-		2.0
Portsmouth (S'thsea)	om	om	41	49	-	-		0.0
Worthing	o	o	37	45	-	-		0.0
Brighton	f	o	39	48	-	-		0.0
Eastbourne	c.o	o	41	48	-	-		0.2
Hastings	m.o.c.o	omf	42	49	-	-		0.4
Folkestone	o	o	43	46	-	-		0.0
Tunbridge Wells ...	om.o	o.om	39	48	-	-		0.0
Ramsgate	o	o	41	47	-	-		0.0
Margate	o	o	44	48	-	-		0.0
Deal	m	m	41	47	-	-		0.0

* 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 2.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22283 SATURDAY 25TH NOVEMBER 1922.

Stations	1300 Barom. at M.S.L. (m.b)	Change in 3 Hours.‡	Wind Direc.	Wind Force (0-12)	Weather	Temp. °F.	Humidity %	Visibility.§ (0-9)	Height of Low Cloud (Feet)	Low Cloud Form.	Low Cloud Amt. (0-10)	Upper Form.	Total Amt. (0-10)	State of ground	1800 Barom. at M.S.L. (m.b)	Change in 3 Hours.‡	Wind Direc.	Wind Force (0-12)	Weather	Temp. °F.	Humidity %	Visibility.§ (0-9)	Height of Low Cloud (Feet)	Low Cloud Form.	Low Cloud Amt. (0-10)	Upper Form.	Total Amt. (0-10)	Sea (0-9)
	Observations at 1300 G.M.T. 24														Observations at 1800 G.M.T. 24													
Lerwick	1031.8	+4	NNW	6	c/p	34	75	7	4000	CuNb	7	-	7	•	1034.8	+3	NNW	5	c	35	85	7	4000	CuNb	3	ASt	8	4
Stornoway	1039.5	+4	NNE	3	bc+	40	85	7	4000	Cu	5	•	5	•	1041.1	+2	-	0	b-	35	92	7	4000	Cu	3	-	3	0
Wick	1036.0	+4	NNW	5	c	39	65	8	4000	CuNb	8	•	8	•	1036.8	+3	NNW	4	c+	38	75	8	2500	CuNb	7	-	7	6
Castlebay														•														
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1040.2	•	NW	1	c+	38	75	8	4000	StCu	7	-	7	•
Aberdeen	1037.0	+4	NW N	3	o/s(h)	38	85	7	2500	StCu	9	•	9	1	1039.8	+4	NW	3	c	38	65	7	2500	StCu	8	-	8	0
Malin Head	1040.0	+3	N	3	bc	46	65	8	5700	StCu	3	ACu	4	•	1041.3	+2	N	1	c+	45	65	8	5700	StCu	7	-	7	4
Renfrew	1039.4	+3	WNW	2	b-	44	65	8	-	-	0	•	0	0	1041.3	+4	-	0	b	35	75	5	5700	StCu	2	-	2	•
Edinburgh (Inchkeith)	1038.1	+2	NW	3	bc	42	65	8	•	St	3	Ci St	4	•	1040.0	+3	NNW	3	bc	38	65	8	-	St	1	ACu	4	1
Leuchars	1037.5	+3	NNW	3	bc	42	65	8	4000	StCu	4	Ci	5	0	1040.2	+3	NNW	2	b	35	75	7	-	-	0	-	0	•
Eskdalemuir	1038.6	+2	NW	3	bc-	40	65	7	4000	Cu	1	CiCu	4	1	1041.2	+3	-	0	b	30	65	8	-	-	0	-	0	•
Tynemouth	1036.1	+2	NW	3	b	42	65	7	4000	CuNb	2	CiCu	3	•	1038.5	+3	W	3	o	40	65	6	4000	StCu	10	-	10	2
Blacksod Point														•														
Donaghadee	1039.4	+2	NNE	3	bc-	46	85	8	-	-	0	ACu	5	•	1040.9	+3	N	2	bc	45	75	8	4000	StCu	5	-	5	0
Birr Castle	1039.7	•	S	1	o/f	49	92	2	450	Nb	10	•	10	•	1040.8	•	ESE	1	o-	44	97	6	2500	StCu	9	-	9	•
Holyhead	1039.0	+2	NE'E	4	o	47	85	8	2500	StCu	9	•	9	0	1040.4	+3	NE	5	b-	45	75	9	-	-	0	ACu	2	3
Liverpool (Bidston)	1038.1	+1	NW	3	b.	44	65	8	4000	Cu	2	•	2	•	1040.3	+2	N'E	2	b	40	65	7	-	-	0	ASt	3	2
Chester (Shotwick)	1037.9	+2	NW	3	bc-	45	65	8	4000	StCu	4	ACu	6	0	1040.3	+3	N	2	ffb	35	75	3	-	-	0	-	0	•
Spurn Head	1035.3	+2	NNW	5	bc	45	85	6	4000	CuNb	6	•	6	•	1036.9	+1	NNW	5	opro	41	85	7	-	-	0	ASt	10	4
Nottingham	1036.4	•	NNE	2	c+	45	65	6	2500	StCu	8	•	8	•	1039.1	•	NNE	3	b-	38	75	6	-	-	0	-	0	•
Cranwell	1036.2	+2	N'W	3	bc	43	75	7	2500	StCu	4	Ci	6	5	1039.1	+3	NNW	3	b	35	85	6	-	-	0	-	0	•
Gorleston	1033.4	+3	NNW	4	c-	47	65	7	4000	Cu	7	•	7	•	1036.2	+1	NW	3	b-	40	75	7	2500	CuNb	3	-	3	0
Valencia (Cahirciveen)	1040.1	0	-	0	o	51	97	6	2500	St	10	•	10	1	1040.4	+1	-	0	o+	50	92	7	4000	St	10	-	10	1
Roches Point														•														
Pembroke (St. Ann's H.)	1037.9	+1	NNW	3	b	52	85	7	4000	StCu	3	-	3	•	1039.0	+2	NE	3	b	45	85	8	4000	StCu	3	-	3	1
Ross-on-Wye	1036.6	0	N	3	c	47	85	7	4000	StCu	6	ACu	7	5	1038.7	+3	N	2	b-	41	75	8	2500	St	1	-	1	•
Benson	1036.3	0	WNW	2	c	46	92	6	-	StCu	7	ACu	8	1	1038.2	+2	NW	1	bc+	37	92	6	-	StCu	5	-	5	•
Andover	1036.6	+1	WNW	2	o	47	85	6	2500	St	10	-	10	0	1038.2	+3	NNW	3	bc-	43	85	6	-	-	0	ACu	6	•
S. Farnborough	1035.7	0	WNW	2	mmbc	50	85	6	7200	StCu	5	-	5	5	1038.0	+4	WNW	2	mmb	41	85	6	-	StCu	1	-	1	•
London (Kew Obsy.)	1035.8	0	N	2	o	50	75	6	4000	StCu	10	-	10	1	1038.3	+4	NNE	2	b-	42	85	5	4000	StCu	1	-	1	•
Croydon	1035.5	0	N	2	o	48	75	5	2500	StCu	9	-	9	1	1037.7	+4	NNE	3	bc	41	75	5	2500	StCu	4	-	4	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1037.1	+4	NW	2	b-	39	85	6	4000	Cu	1	Ci	2	0
Shoeburyness	1035.0	+1	NW	3	c/f	48	75	7	4000	StCu	6	ACu	7	•	1037.3	+3	NW	1	b-	37	85	7	-	-	0	-	0	•
Grain	1035.0	0	NW	3	o4	48	85	7	2500	StCu	9	•	9	1	1037.9	+3	NNW	3	b-	40	85	7	-	-	0	-	0	0
Lympne	1034.4	0	NNW	5	c	47	85	6	1500	StCu	7	ACu	8	0	1036.8	+3	N'W	4	b	39	85	6	4000	Cu	1	-	1	•
Scilly (St. Mary's)	1038.2	0	NE	1	bc	54	85	7	2500	StCu	5	•	5	•	1037.9	0	NE	2	b	49	85	8	-	-	0	-	0	2
Falmouth (Pendennis)	1037.7	-1	NNE	3	b	53	85	7	-	-	0	•	0	•	1037.8	+1	N	3	b	46	97	6	4000	StCu	2	-	2	0
Plymouth (Cattewater)	1037.3	0	NNW	1	b	50	85	7	•	•	0	Ci	1	0	1038.4	+4	-	0	b	47	92	7	-	-	0	-	0	0
Portland Bill	1036.7	+2	NNW	3	b+	49	85	7	•	•	0	Ci	3	•	1037.4	+2	NNW	3	b	47	75	6	-	-	0	Ci	3	2
Southampton (Calshot)	1036.6	0	NW	4	mo-	48	85	6	2500	StCu	10	•	10	0	1037.8	+3	NNW	3	mmb	45	92	5	4000	StCu	2	-	2	0
Dungeness	1034.3	+1	NNE	3	bc	50	75	7	-	-	0	ACu	6	•	1036.2	+2	N	2	b-	43	92	7	-	-	0	ACu	3	3
Jersey 7h / Guernsey 1h	1036.4	0	N	2	o	52	85	7	4000	StCu	10	-	10	•	1037.2	0	N	2	b	48	85	6	-	-	0	-	0	0

London Observations	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. 25								Yesterday.		To-day.
Kew	omwrz	ozbxm	bxmx	•	•	20	-	-	1.4	•	•
Croydon (24 hours ended 0700)	omcom	oz	bcbmx	•	•	19	-	-	0.1	•	•
Greenwich (Royal Obsy.)	om	o	bzm	49	28	?	-	-	0.3	76	76
City (Bunhill Row)	•	•	•	•	•	•	•	•	0.0	•	
Westminster (St. James' Pk.)	•	•	•						0.7		
Regent's Pk. (Botanic Gdns).	•	•	•	•	•	•	•	•	1.0	•	•
Camden Square	bc	bc	•	50	31	28	-	-	•	•	83
Kensington Palace	bco	obc	•	50	31	22	-	-	•	79 (18h)	75
Hampstead Observatory	•	•	•	48	29	?	-	-	1.6	•	72

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington			
Max.	Time.	Min.	Time.
1.6	23rd 20h	0.3	24 14h
2.0	24 10h		

Kew Observatory			
Max.	Time.	Min.	Time.
0.9	23rd 20h	<0.3	24 12h
0.5	24 9h		

Pole Star Record at Greenwich Obsy.

Exposure from 24 17h 00m to 25 06h 30m.

Stars.	Exposure h. m.	Record h. m.	Record %
Polaris	13.30	13.12	98
δ Ursae Minoris	13.30	12.22	92

Code for State of Ground.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2ins. deep.
4 = Bare ground frozen (but more than 2ins. deep.
5 = Dew (or wet grass but not wet ground).
6 = Skating today in 1300 & 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.	C	5	-	140
18h.	C	5	-	35
01h.	C	5	-	15
07h.	C	5	-	35

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

25th & 26th Novr, 1922.

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	3.58 / 3.57
Wick	8.24 / 8.27	11.59 / 11.59	3.33 / 3.31
Valencia	8.19 / 8.20	12.28 / 12.28	4.37 / 4.36

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.
jp 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.

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

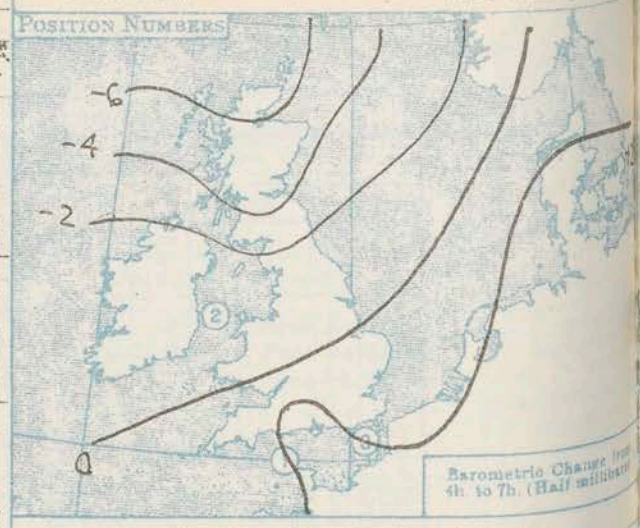
' For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.–13h. 24h.	13h.–18h. 24h.	18h. 24h. to 1h. 25h.	1h.–7h. 25h.	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. 24h. Hours.
Lerwick	cqph	oq	ops	opsr	37	32	•	0·2	1	<0800	<2100	0.3
Stornoway	b"bc	bc	c	rr	41	33	•	–	2	–	–	1.6
Wick	phrq	cps.q	oo	orr.	39	32	•	0·2	trace	0900	0630	•
Castlebay		obo	o		45	39	•		–		–	2.6
Nairn	bc	bccq	bcxc	cq	40	32	•	–	–	–	–	0.4
Aberdeen	cpsrs	oc	co	oo	38	32	22	2	–	<0800	–	0.5
Malin Head	obc	bcco	bcxv	bcco	47	35	•	–	–	–	–	3.6
Renfrew	bcmb	bbm	bbmx	bcomx	44	22	14	–	–	–	–	5.7
Edinburgh (Inchkeith)	bc	bc	b	m	43	34	29	–	–	–	–	5.4
Leuchars	c	b-bc	c	c	42	25	14	–	–	–	–	5.5
Eskdalemuir	bcbc	bcbbx	bx	bxbcx	40	18	16	–	–	–	–	5.9
Tynemouth	bcq	cm	cm	bbcm	46	31	27	–	–	–	–	•
Blacksod Point ...							•					•
Donaghadee	bc	bcv	bc	bc	48	32	•	–	–	–	–	•
Birr Castle ...	offoz	coz			49			–		–		
Holyhead	oo	ocbcv	bbx	bbx	50	32	28	–	–	–	–	0.0
Liverpool (Bidston) ...	cbcb	b-bc	bm	bm	47	34	23	–	–	–	–	3.5
Chester (Shotwick) ...	omcbc	bcbmf	bffx	bffx	47	20	14	–	–	–	–	•
Spurn Head	b-bc	bcopr	qprs.	cq	45	35	•	0·1	trace	17.50	<2100	4.0
Nottingham	c	c	b	bbcm	47	27	24	–	–	–	–	1.0
Cranwell	c	bcbm	bcbm	bbcxm	44	29	27	–	–	–	–	3.9
Gorleston	odc	bipr.	cbcq	c	48	35	32	trace	trace	<0800	2200	2.8
Valencia (Cahirciveen)	oz	coz	o	c				–		–		
Roches Point							•					•
Pembroke (St. Ann's H.)	b-bc	b-bc	b.bc	b.bc	52	34	•	–	–	–	–	5.6
Ross-on-Wye	xcomc	cocb	bccbm	bmx	48	25	17	–	–	–	–	0.1
Benson...	ozco	bbc	b	bmx	48	20	15	–	–	–	–	•
Andover	bcc	omcbcm	bcb	bmx	48	26	15	–	–	–	–	0.0
S. Farnborough ...	ocbcm	cbcbm	bm	bm	50	20	16	–	–	–	–	1.2
London (Kew Obsy.)...	omwrcz	oz ozbxm	bx	bmx	50	30	20	–	–	–	–	1.4
Croydon	omcom	oz	bbc	bmx	48	27	19	–	–	–	–	0.1
Clacton-on-Sea ...	cmc	cb	bcm	bcmx	49	31	28	–	–	–	–	1.4
Shoeburyness... ...	cmc	cbcb	bm	x	49	29	27	–	–	–	–	0.7
Grain	cmo	oocbc	bb	bbx	48	29	24	–	–	–	–	0.0
Lympne ...	oo	cocbcbm	bbc	b.bc	49	?	?	–	–	–	–	1.8
Scilly (St. Mary's) ..	bc	bcb	b.p.	cbcc	56	42	•	–	trace	–	–	6.1
Falmouth (Pendennis)	b	bb	b	b	53	42	•	–	–	–	–	7.3
Plymouth (Cattewater)	bufcm	bw	bw	b	52	36	33	–	–	–	–	6.6
Portland Bill	bbc	b-bc	obc	bcb	50	34	•	–	–	–	–	•
Southampton (Calshot)	cmom	ombmc	obmb	b	50	31	29	–	–	–	–	2.6
Dungeness . .	c	c	bx	bx	51	30	•	–	–	–	–	•
Jersey 7h } .. Guernsey 1h }	oco	ocb	b	bo	52	37	•	–	–	–	–	1.7

ISALLOBARS. 25th Nov.r

POSITION NUMBERS



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
3	24h 0300	'Arundel'	NW	2	b	50	50
2	" 1000	'Hibernia'	N	4	oc	49	52
3	25h 0300	'Brighton'	NE	5	b	42	51

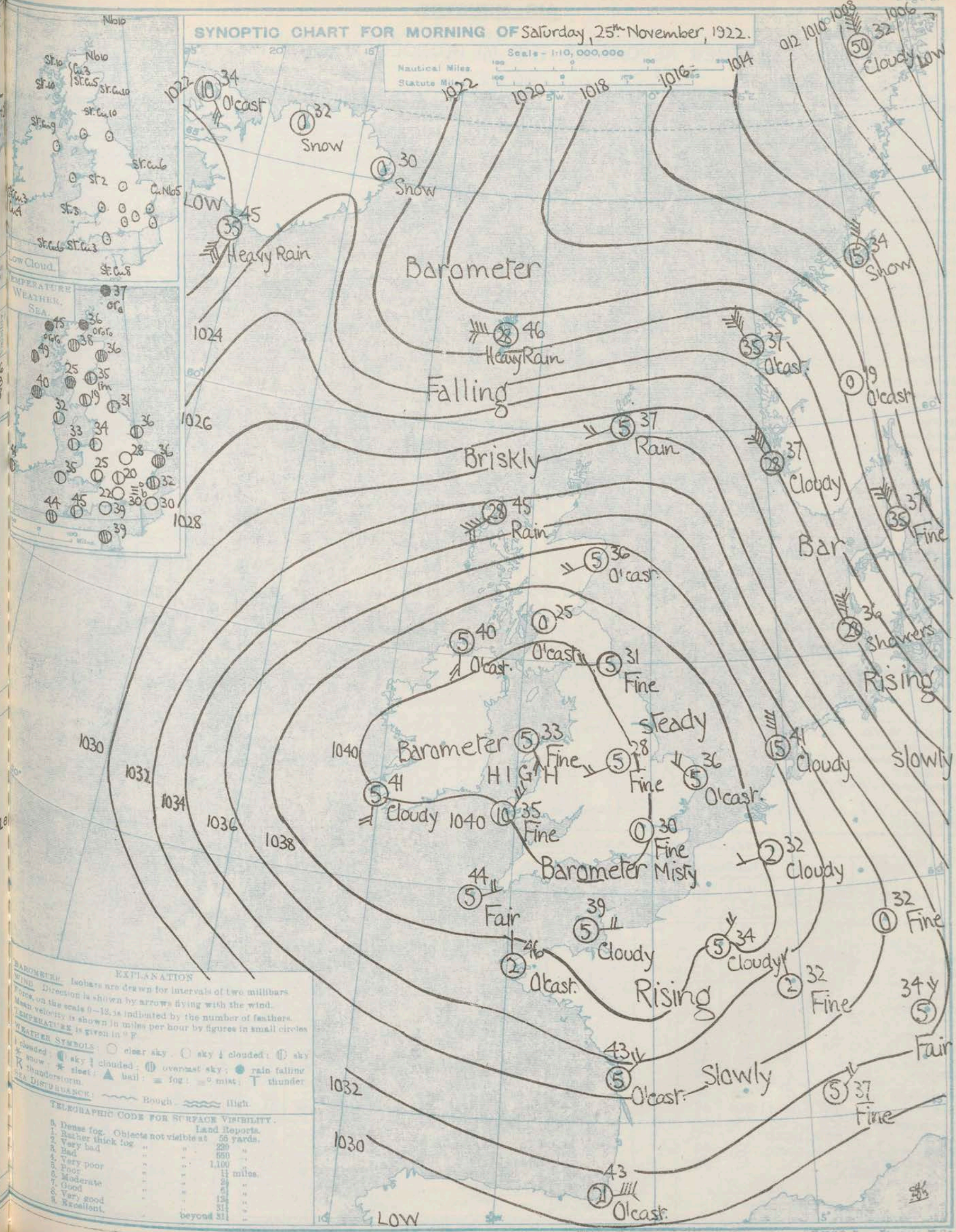
GENERAL INFERENCE.

The anticyclone covering England and Ireland will maintain fair quiet weather with night frosts in those districts. In Scotland the passage of depressions centred to northward will cause changeable weather to continue.

Districts.	Forecasts for the 24 hours commencing 15h G.M.T. Saturday, 25th November, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light northerly or variable winds; fine; visibility mainly good apart from morning mist; rather cold, with night frost.	Fine with cold nights for a day or two over England and S. Ireland; changeable in Scotland.
5. S.W. England	Wind NE, light; fine; visibility good; rather cold.	
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Light variable winds; fine; visibility good apart from morning mist; rather cold, with night frost.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind SW to W, light; cloudy, perhaps slight rain; visibility moderate; rather milder.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind mainly SW to W, fresh or strong; cloudy, some rain; visibility mainly good; milder.	
17. N.W. Ireland 18. N.E. Ireland	As for 11 - 13.	
19. S.E. Ireland 20. S.W. Ireland	As for 6 - 10. EAS.	

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.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Saturday 25TH November 1922. No. 329

Observations at 0100 G.M.T. 25th

Stations.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1034.6	-2	NNW	3	o/s(h)	34	85	7	-	-	0	A.Sr	10	•
Stornoway ...	?	-2	-	0	0	•	•	•	•	•	•	•	•	•
Wick	1038.0	-1	WSW	2	0	34	85	8	4000	Cu.Nb	6	Ci	9	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1041.2	0	S	2	bc-	37	85	9	-	-	0	A.Cu	2	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1041.2	-1	W	2	b	36	85	7	-	-	0	-	0	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1040.9	+1	W	3	b	35	85	7	-	-	0	-	0	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1042.2	+1	SE	2	b	37	85	8	-	-	0	-	0	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1039.2	+1	WNW	6	bc/s(h)	39	85	7	4000	Cu.Nb	5	-	5	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1041.0	+2	NN'W	3	b	31	92	6	-	-	0	-	0	•
Gorleston	1037.0	+1	NNW	4	C+	39	85	7	4000	Cu.Nb	8	-	8	•
Valencia (Cahirciveen)	1040.7	-1	-	0	m0	49	85	6	-	-	0	A.Sr	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Anu's H.)	1041.4	0	E	3	b	38	75	7	-	-	0	-	0	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	35	•	•	•	•	•	•	•	•
Croydon	1040.4	+1	-	0	b	33	85	6	-	-	0	-	0	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1036.0	0	N'W	4	b	32	97	6	-	-	0	-	0	•
Scilly (St. Mary's) ...	1039.2	0	E	3	cpr.	49	85	8	4000	Nb	8	-	8	•
Falmouth (Pendennis)	"	"	"	"	"	"	"	"	"	"	"	"	"	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1039.2	0	ENE	4	b-	44	85	7	-	-	0	C.Cu	2	•
Southampton (Calshot)	1041.0	+2	N'W	3	b/f	36	85	7	-	-	0	-	0	•
Dungeness	1038.3	+1	N	4	b	33	97	7	-	-	0	-	0	•
Jersey 7h }	1036.8	+1	NNE	5	0	47	85	5	4000	Sr	10	-	10	•
Guernsey 1h }														

Observations at 0700 G.M.T. 25th

Stations.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1028.3	-5	WSW	2	0f.+	37	92	6	4000	Nb	10	-	10	1
Stornoway ...	1032.8	-7	SW	6	0rf.	45	92	5	450	Sr	10	-	10	4
Wick	1031.9	-7	SW	4	0rf.	36	92	8	2500	Nb	10	-	10	4
Castlebay	1037.1	-2	WSW	4	0	49	92	6	1500	Sr	10	-	10	•
Nairn	1034.3	•	WNW	1	c	38	75	8	4000	Sr.Cu	8	-	8	•
Aberdeen	1036.4	-4	SW	2	0	36	75	7	2500	Sr.Cu	10	-	10	0
Malin Head	1038.9	-2	S	2	0+	40	75	8	5700	Sr.Cu	9	-	9	4
Renfrew	1039.6	-3	-	0	0	25	97	4	4000	Sr.Cu	10	-	10	•
Edinburgh (Inchkeith)	1037.8	-5	SW	3	bmbc	35	75	6	-	Sr	3	A.Cu	5	2
Leuchars	1037.5	-5	WSW	3	0	31	85	7	4000	Sr.Cu	10	-	10	•
Eskdalemuir	1041.2	-2	-	0	bc	19	97	7	-	-	0	Ci.Sr	4	•
Tynemouth	1039.7	-1	W	2	b	31	75	6	-	-	0	A.Cu	2	2
Blacksod Point ...	1040.9	-1	WSW	1	b	32	85	8	-	-	0	A.Cu	1	0
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	1041.1	-1	SE'S	2	b	33	85	8	-	-	0	A.Sr	1	0
Holyhead	1041.5	-1	NNE	1	b-	34	75	4	2500	Sr	2	-	2	2
Liverpool (Bidston) ...	1041.8	-1	ESE	1	ff b	21	97	3	-	-	0	-	0	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1039.3	0	NNW	5	bc	36	85	7	4000	Sr.Cu	6	-	6	5
Nottingham	1040.8	•	WSW	2	b	28	75	3	-	-	-	-	•	•
Cranwell	1040.6	0	NNW	3	bc	30	85	6	-	-	0	Ci	4	•
Gorleston	1038.4	0	W'N	2	0+	36	85	7	2500	Cu.Nb	5	Ci.Sr	10	1
Valencia (Cahirciveen)	1040.0	0	S	2	bc	41	92	7	-	Sr.Cu	4	-	4	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Anu's H.)	1039.2	0	NE	3	b	35	75	7	2500	Sr	3	-	3	1
Ross-on-Wye	1041.6	0	-	0	b	25	97	5	-	-	0	Ci	1	•
Benson...	1041.8	+1	-	0	b-	20	97	4	-	-	0	Ci	3	•
Andover	1041.6	0	-	0	b	27	85	5	-	-	0	Ci.Sr	1	•
S. Farnborough ...	1041.9	+2	W'N	1	b	22	97	5	-	-	0	-	0	•
London (Kew Obsy.) ...	1041.3	+1	SW	1	mb-	30	92	4	-	-	0	A.Sr	2	•
Croydon	1041.2	+1	W'S	1	b	28	92	5	-	-	0	Ci.Sr	2	•
Clacton-on-Sea ...	1039.6	+3	NW	3	bc	32	92	6	-	-	0	A.Sr	5	0
Shoeburyness	1040.1	0	NW	1	mmb	30	75	6	-	-	0	Ci	2	•
Grain	1040.5	+1	NW	4	b	31	97	7	-	-	0	Ci.Sr	3	0
Lympne	1040.1	0	N	3	bc	30	92	5	-	-	0	Ci.Sr	5	•
Scilly (St. Mary's) ...	1038.7	0	ENE	2	bc-	44	85	7	4000	Sr.Cu	6	-	6	2
Falmouth (Pendennis)	1039.2	0	E	5	b+	45	75	7	4000	Sr.Cu	3	-	3	1
Plymouth (Cattewater)	1039.9	+1	ENE	2	b	36	85	8	-	-	0	A.Sr	0	0
Portland Bill	1040.1	+2	ENE	4	b-	39	75	7	-	-	0	-	1	3
Southampton (Calshot)	1041.1	+1	WNW	2	b	32	85	6	-	-	0	Ci	0	0
Dungeness	1038.4	+1	N	3	b	30	97	7	-	-	0	-	8	3
Jersey 7h }	1038.6	0	E	3	c	39	92	7	4000	Sr.Cu	8	-		0
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR Fri. 24th

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 23-24 °F.	Temperature. Max. Day. 24 °F.	Rainfall.† Night 17h.-9h. 23-24 mm.	Rainfall.† Day 9h.-17h. 24 mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 24 hr.
Banff								6.6
Montrose	-	-	33	42	-	-		0.5
Llandudno	0c	cbbc	44	49	-	-		3.7
Colwyn Bay ...	cbc	bc	47	48	-	-		1.2
Rhyl...	c	cbc	47	48	-	-		1.8
Southport	b	b	44	44	-	-		2.2
Blackpool	bc	b	43	45	-	-		6.0
Harrogate	b	b	35	44	-	-		5.8
Skegness	oc	b	37	50	-	-		5.5
Aberystwyth ...	ooc	o	40	49	-	-		4.3
Bath	mo	mo	36	48	-	-		0.0
Leamington Spa ...	ocb	cbo	35	49	-	-		0.0
Lowestoft	odcbc	bcbcb	41	47	-	-		2.7
Felixstowe	omc	cbcb	38	49	-	-		2.1
Southend	o	oc	40	48	-	-		2.0
Paignton	bmb	bm	36	45	-	-		3.9
Ilfracombe	oc	cbcco	43	51	-	-		6.6
Buda	mmc	cbcm	35	51	-	-		0.5
Penzance	bbc	bcb	41	56	-	-		2.7
Falmouth Observatory	b	bm	42	55	-	-		7.0
Torquay	b	b	39	52	-	-		7.3
Weymouth	o	bcmbc	39	53	-	-		7.1
Bournemouth ...	b	b	38	51	-	-		4.7
Portsmouth (S'thsea)	bc	co	39	51	-	-		4.0
Worthing ...	c	bc	37	51	-	-		1.2
Brighton	o	o	41	51	-	-		1.9
Eastbourne	co	ococ	43	52	-	-		0.9
Hastings	ocbcc	cbcoc	41	51	-	-		0.8
Folkestone	o	c	43	50	-	-		2.2
Tunbridge Wells ...	cbc	bcc	38	51	-	-		1.0
Ramsgate	ocbc	bcbc	39	48	-	-		1.5
Margate	o	bcc	44	48	-	-		1.4
Deal	c	cbcc	42	48	1	-		0.9

* Information for these columns not usually received. † Trace = rain has fallen but amount less than 0·1 mm. ‡ For code see page 2. § See footnote page 1.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22284 SUNDAY, 26TH NOVEMBER 1922.

Observations at 1300 G.M.T. 25

Stations	Barom. at M.S.L. m.b	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	State of ground.
Lerwick	1016·9	-8	WNW	8	orr	48	92	6	2500	Nb	10	-	10	*
Stornoway	1029·2	-3	WSW	4	o/r	50	92	5	800	St	10	-	10	*
Wick	1023·7	-8	WNW	6	or₀	49	92	7	2500	Nb	7	a.St	10	*
Castlebay	1033·3	-3	NW	5	o/r₀	51	97	7	2500	Nb	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1027·7	-8	W	4	o	49	75	8	4000	StCu	3	a.St	10	0
Malin Head	1036·2	-3	WSW	4	o/r	47	85	7	4000	St	10	-	10	*
Renfrew	1035·3	-6	SW	1	o/r	43	95	7	2500	StCu	10	-	10	1
Edinburgh (Inchkeith)	1031·1	-8	W	5	o	42	85	6	-	St	4	a.St.	10	*
Leuchars	1031·2	-7	WSW	6	o	42	85	8	-	-	0	a.St	10	0
Eskdalemuir	1036·4	-3	WSW	3	o	37	75	7	4000	StCu	10	-	10	3
Tynemouth	1034·3	-4	WNW	2	o	40	75	6	-	-	0	a.St	10	*
Blacksod Point														*
Donaghadee	1037·5	-3	WSW	1	of	40	75	3	5750	StCu	7	a.Cu	10	*
Birr Castle	1039·6	*	S	1	bc+	45	85	7	450	St	2	a.Cu	5	*
Holyhead	1039·0	-4	SW'S	4	o+	45	75	8	2500	StCu	9	-	9	0
Liverpool (Bidston)	1038·7	-3	SW	1	bc+	41	65	7	4000	St	2	Ci	5	*
Chester (Shotwick)	1039·3	-3	SW	2	bc+	44	65	4	-	-	0	Ci	5	5
Spurn Head	1037·2	-2	WNW	5	o	40	75	5	1500	St	9	-	9	*
Nottingham	1038·5	*	WNW	2	c+	40	65	4	-	-	0	Ci St	8	*
Cranwell	1038·6	-4	WSW	3	o+	37	85	6	5750	StCu	2	Ci St	9	0
Gorleston	1037·0	-1	WNW	3	c+	42	85	6	2500	Cu	3	Ci St	8	*
Valencia (Cahirciveen)	1039·2	-3	SE	1	c+	50	75	7	4000	St	Cu	8	8	1
Roches Point														*
Pembroke (St. Ann's H.)	1040·2	-2	E	3	b	42	75	6	-	-	0	-	0	*
Ross-on-Wye	1039·8	-3	-	0	b	39	65	6	-	-	0	-	0	1
Benson	1040·6	-3	-	0	mb+	37	75	4	-	-	0	-	0	1
Andover	1040·8	-1	-	0	b	41	75	6	-	-	0	-	0	0
S. Farnborough	1040·3	-3	-	0	mmb	40	92	5	-	-	0	-	0	3
London (Kew Obsy.)	1040·2	-3	W'S	2	b	39	75	4	-	-	0	Ci	2	?
Croydon	1039·8	-3	-	0	bc	37	85	4	-	-	0	Ci St	6	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1039·7	-2	NW	1	mmo	41	75	6	-	-	0	Ci St	8	*
Grain	1039·3	-3	WNW	3	c	42	75	6	-	-	0	Ci St	8	1
Lympne	1038·3	-3	N'W	3	c+	42	75	6	-	-	0	Ci St	7	0
Scilly (St. Mary's)	1037·7	-1	SE'E	4	o	48	85	7	4000	StCu	10	-	10	*
Falmouth (Pendennis)	1039·0	-1	E	4	b	47	75	7	5750	Cu	2	-	2	*
Plymouth (Cattewater)	1039·6	-2	ENE	2	b	44	75	7	5750	StCu	1	-	1	0
Portland Bill	1040·1	0	ENE	4	b	45	85	7	-	-	0	-	0	*
Southampton (Calshot)	1040·0	-3	WNW	2	b	42	72	6	-	-	0	-	0	*
Dungeness	1036·5	-2	WNW	2	bc-	43	75	7	-	-	0	Ci	5	*
Jersey 7h / Guernsey 1h	1038·9	-1	E	4	o	44	75	8	5750	StCu	9	-	9	*

Observations at 1800 G.M.T. 25

Stations	Barom. at M.S.L. m.b	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	Sea. 0–9
Lerwick	1015·1	0	NNW	5	o/r	41	85	6	-	-	0	a.St	10	4
Stornoway	1026·3	-3	WNW	3	o	50	85	5	800	St	10	-	10	2
Wick	1019·9	-4	WNW	6	or₀r₀	48	92	8	4000	Nb	6	a.St	10	4
Castlebay	1030·6	-1	WNW	4	c-	50	92	6	2500	StCu	7	-	7	3
Nairn	1025·1	*	W	3	c+	48	85	8	4000	CuNb	8	-	8	*
Aberdeen	1023·9	-4	W'S	4	bc	48	85	7	4000	StCu	5	-	5	1
Malin Head	1033·6	-3	W	5	c-	49	85	7	4000	St	4	a.Cu	7	4
Renfrew	1030·1	-6	SW	3	o/r₀	47	92	6	2500	Nb	10	-	10	*
Edinburgh (Inchkeith)	1027·2	-6	WSW	5	b	43	92	7	-	-	0	CiCu	1	4
Leuchars	1027·0	-5	W	6	b-	43	92	7	-	-	0	a.St	1	*
Eskdalemuir	1031·8	-4	W	4	o/r	39	85	6	2500	StCu	10	-	10	*
Tynemouth	1028·6	-7	W	4	o	43	75	6	4000	StCu	4	a.St	10	3
Blacksod Point														
Donaghadee	1033·2	-3	WSW	2	o	41	85	8	5750	StCu	10	-	10	1
Birr Castle	1037·2	*	S	1	c+	40	92	7	4000	StCu	7	-	7	*
Holyhead	1036·4	-3	SW'W	3	c	44	75	7	2500	StCu	4	a.Cu	8	1
Liverpool (Bidston)	1035·4	-2	WNW	2	bc-	38	85	7	-	-	0	Ci	4	3
Chester (Shotwick)	1036·0	-3	W	2	b-	36	85	4	-	-	0	a.Cu	2	*
Spurn Head	1030·8	-7	WNW	6	o	40	92	6	-	-	0	a.St	10	*
Nottingham	1034·7	*	W	2	o	36	75	6	2500	StCu	4	a.Cu	9	
Cranwell	1034·7	-4	WSW	4	o	35	85	6	2500	St	2	a.Cu	9	*
Gorleston	1034·1	-2	WSW	3	bc-	35	85	6	4000	St	4	-	4	1
Valencia (Cahirciveen)	1038·5	0	SSE	2	b	45	92	8	4000	StCu	2	-	2	0
Roches Point														
Pembroke (St. Ann's H.)	1037·9	-1	N	1	b	40	75	8	-	-	0	-	0	1
Ross-on-Wye	1037·3	-2	SW	1	b-	33	75	5	-	-	0	a.Cu	2	*
Benson	1037·8	-2	-	0	b	26	92	6	-	-	0	-	0	*
Andover	1038·1	-2	-	0	b	30	85	6	-	-	0	-	0	*
S. Farnborough	1037·7	-2	-	0	mmb	28	92	5	-	-	0	-	0	*
London (Kew Obsy.)	1037·8	-2	W	1	fb r	36	85	3	-	-	0	-	0	*
Croydon	1037·5	-2	WSW	2	b	33	85	4	-	-	0	a.Cu	1	*
Clacton-on-Sea	1036·3	-3	WNW	3	bc	34	85	6	-	-	0	a.St	5	0
Shoeburyness	1037·1	-2	-	0	mmb	34	85	4	-	-	0	Ci	3	*
Grain	1037·4	-2	WSW	3	b/f	30	97	4	-	-	0	-	0	0
Lympne	1037·5	-1	NW	3	b-	36	85	4	-	-	0	-	0	*
Scilly (St. Mary's)	1037·2	-1	SE'S	2	o	48	75	7	4000	StCu	10	-	10	3
Falmouth (Pendennis)	1037·7	-3	SE	3	o+	47	75	7	5750	StCu	10	-	10	0
Plymouth (Cattewater)	1037·8	-1	E	1	b	39	85	7	-	-	0	-	0	*
Portland Bill	1037·7	-3	ESE	3	b+	39	65	7	-	-	0	CiCu	3	0
Southampton (Calshot)	1038·1	-1	WNW	2	b	35	35	6	-	-	0	-	0	4
Dungeness	1036·8	-1	NNW	2	b	34	97	7	-	-	0	-	0	2
Jersey 7h / Guernsey 1h	1037·1	0	ENE	2	b	44	65	6	-	-	0	-	0	0

London Observations

24 Hours ended 0900 G.M.T. 26 (Sunshine: Yesterday; Humidity 15h: Yesterday, 9h: To-day)

London Observations	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. %
Kew } 24 hours ended 0700	bmfmx	bmxbfx	cmxbmx	*	*	23	tr	tr	4.0	*	*
Croydon } 24 hours ended 0700	tcbcmx	bcbzmx	bcfmx	*	*	21	tr	-	0.8	*	*
Greenwich (Royal Obsy.)	bzxf	bzxf	obxc	38	31	22	-	-	1.0	83	85
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*						0.0		
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	0.8	*	*
Camden Square	b	-	*	45	31	28	-	-	*	*	88
Kensington Palace	bf	bf	*	41	31	24	-	-	*	79 (18h)	83
Hampstead Observatory	*	*	*						5.6	*	

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

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 today in 1300 & 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.
15h.	C	5	-	55
18h.	C₁C₂	6	-	175
01h.	C	5	-	30°
07h.	C	5	-	5°

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

26 & 27 Novr, 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7 44 / 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 00	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).
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.
jp 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; l = 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.
r₀r₀ = continuous light rain.

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

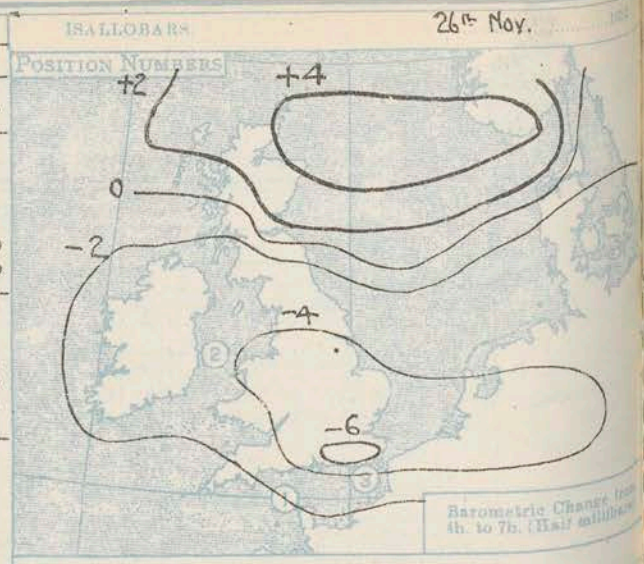
' For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 25	13h.-18h. 25	18h. 25 to 1h. 26	1h.-7h. 26	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. 25 Hours.
Lerwick	omqr	omrq	bcpxs	cqph	47	30	•	14	0.2	<0800	<2100	0.0
Stornoway	p	oo	r rd	r	50	38	•	1	6	-	-	0.0
Wick	oir₀	ORR	ORR	r rd	50	34	•	3	14	<0800	<2100	•
Castlebay	odp	odpc					•	tr		-		
Nairn	cqg	cprqg	oqqv	iRoq	49	38	•	1	5	1630	0130	0.0
Aberdeen	opr₀o	cbcq	oir₀	rrrd	49	38	35	tr	6	0900	2200	0.0
Malin Head	copz	oidm	o	o'p₀	49	47	•	tr	trace	0900	0230	0.0
Renfrew	ompr	oir₀m	oPR r₀	oir₀m	47	46	42	0.1	4	1330	<2100	0.0
Edinburgh (Inchkeith)	m	bc	bc	r₀	45	41	40	-	1	-	0630	0.0
Leuchars	oo	oo	r rd	r rd	44	39	35	-	1	-	0630	0.0
Eskdalemuir	bcxo	opoo	oro	oro	39	38	38	tr	2	1630	<2100	0.0
Tynemouth	cm	mq	bcqv	bcmqv	43	42	38	-	-	-	-	•
Blacksod Point ...							•					•
Donaghadee	bc	oo	bcqv	bcqv	41	40	•	-	-	-	-	•
Birr Castle ...	bcz	bcco	co	co	47	37	30	-	-	-	-	•
Holyhead	bcco	coc	cbcco	oco	43	43	41	-	-	-	-	2.8
Liverpool (Bidston) ...	b-bc	bbc	bcc	bcc	48	34	24	-	-	-	-	5.9
Chester (Shotwick) ...	bxfbcz	bcbbz	bmbco	omqv	46	32	25	-	-	-	-	•
Spurn Head	com	oo	oo	oq	40	39	•	-	-	-	-	1.4
Nottingham	m	c	c	oo	40	35	31	-	-	-	-	0.0
Cranwell	cmo	oo	bcm	bcmc	39	39	33	-	-	-	-	1.3
Gorleston	c	bzbz	ocq	ocq	43	35	33	-	-	-	-	1.9
Valencia (Cahirciveen)	obcc	bcb	B	bo				-		-		
Roches Point							•					•
Pembroke (St. Ann's H.)	bcbz	bzb	bbc	bcco	45	36	•	-	-	-	-	6.8
Ross-on-Wye	fxb	bz	bzbxbc	bco	42	28	21	-	-	-	-	[illegible]
Benson...	bxm	bx	bx	bx	39	23	16	-	-	-	-	•
Andover	bmfb	bm	bmx	bmxbcc	44	23	15	-	trace	-	-	7.1
Farnborough ...	bbmm	bbmmx	bxbc	bco	42	24	17	-	-	-	-	6.8
London (Kew Obsy.) ...	bmfmx	bmxbfx	cmxbmx	bcmxbmx	40	31	23	tr	trace	-	-	4.3
Croydon	bcbcmx	bcbzmx	bcbfxm	ozmx	39	32	21	tr	-	-	-	0.8
Clacton-on-Sea ...	bcmcm	cmbc	bccom	omcm	41	34	30	-	-	-	-	4.8
Shoeburyness	bmxbcm	bcmbm	bmbcx	bcm	44	31	28	-	-	-	-	4.3
Grain	bxmbcz	cbfxmf	bmxbm	bmom	43	30	22	-	-	-	-	4.4
Lympne	bcmbbc	cbcbm	bmx	bbcxm	43	27	22	tr	-	-	-	5.7
Scilly (St. Mary's) ...	comb	o	obc	bcc	49	42	•	tr	-	1730	-	0.1
Falmouth (Pendennis)	octcb	bbco	cm	cmbcb	49	39	•	-	-	-	-	3.0
Plymouth (Cattewater)	bz	b						-				
Portland Bill	b-bc	bbc	bbz	bc	46	36	•	-	-	-	-	•
Southampton (Calshot)	bm	bm	bmxbx	cxrxo	45	29	25	-	-	-	-	7.2
Dungeness	b-bc	b-bc	bbc	c	44	30	•	-	-	-	-	•
Jersey 7h. ...	c	b	bwx	bwxb	47	32	•	-	-	-	-	3.4
Guernsey ?												

26th Nov.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	
1	25th 1200	?	NE	4	bc	47	53	8
3	26th 0300	Arundel	NW	S	bc	43	49	7

GENERAL INFERENCE.

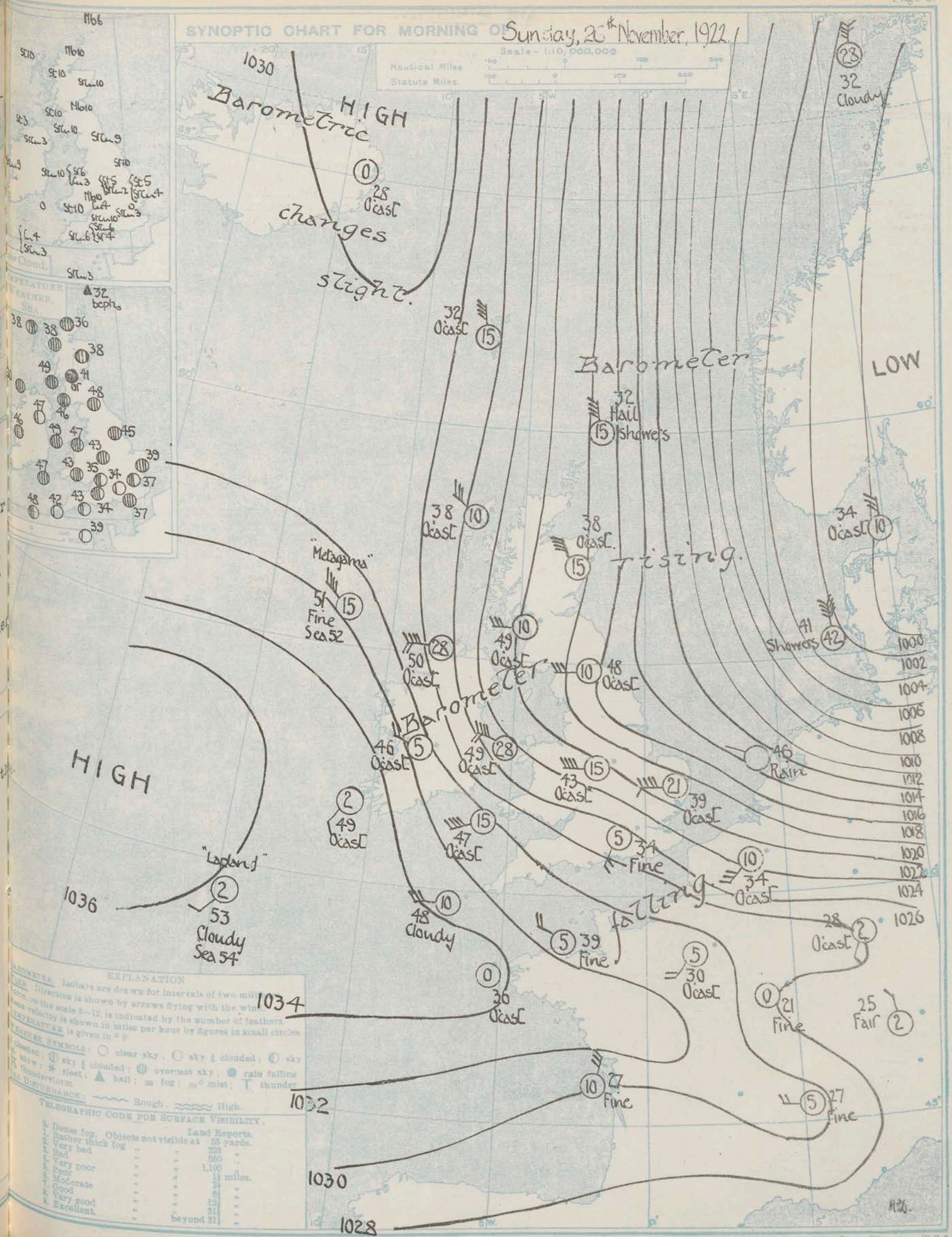
The depression which developed yesterday over Southern Scandinavia is moving southeast and the anticyclone recently over England has receded westwards. In Scotland cold northerly winds will be experienced with hail or snow showers in places. Further South mild westerly winds are likely at first giving place, except in the Southwest, to colder northerly winds, probably with some showers.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 26th November, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Moderate or fresh westerly winds, veering NW or N; varying cloud, risk of showers; visibility mainly good; milder today; cold again tomorrow.	Cold over Great Britain, with northerly winds.
5. S.W. England 6. South Wales	Wind W to NW, light or moderate; varying cloud; visibility mainly good; moderate temperature.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind NW to N, moderate; fresh locally; varying cloud, risk of showers; visibility mainly good; becoming cold again.	
11. E. Scotland 12. S.W. Scotland	Wind northerly, moderate; varying cloud, snow or hail showers in places; visibility good; cold.	
13. Isle of Man	As 7 to 10.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	As 11 and 12.	
17. N.W. Ireland	As 5 and 6.	
18. N.E. Ireland	As 7 to 10.	
19. S.E. Ireland 20. S.W. Ireland	As 5 and 6.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at

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

† For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF Sunday, 26th November, 1922.
Scale - 1:10,000,000
Nautical Miles
Statute Miles.
HIGH
Barometric changes slight.
Barometer rising.
Barometer falling
LOW
HIGH
"Metagama"
"Lapland"
32 Cloudy
32 Hail Showers
41 Showers
46 Rain
53 Cloudy Sea 54
48 Cloudy
51 Fine Sea 52
25 Fair
1000
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
1028
1030
1032
1034
1036

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. SUNDAY, 26TH NOVEMBER 1922. No. 330

Observations at 0100 G.M.T. 26

Stations.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1016.9	+1	N	6	bc	34	83	7	4000	Nb	4	-	4	•
Stornoway	1022.9	-4	NW	5	r+	•	•	4	•	•	•	•	•	•
Wick	1018.5	+2	NW	6	c-	40	92	7	2500	Nb	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1022.7	-3	W	6	0	50	85	8	4000	St	3	A.St	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1024.2	-4	SW	5	6	48	75	8	-	Cu	2	-	2	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1022.7	-3	W	2	bc	48	85	6	-	-	0	A.St	6	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1031.6	-3	W	4	0	47	92	7	1500	St	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1025.2	-3	WSW	7	0	44	92	6	-	-	0	A.St	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1019.2	-5	SE'S	4	bc	38	92	6	4000	St.Cu	5	A.St	6	•
Gorleston	1027.0	-3	W	4	0+	36	85	6	2500	St	10	-	10	•
Valencia (Cahirciveen)	1036.5	-1	SW	1	6	44	92	7	-	St.Cu	2	-	2	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1034.4	-2	W	3	6	45	75	8	4000	St.Cu	3	-	3	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	31	•	•	•	•	•	•	•	•
Croydon	1032.0	-6	W'S	3	b-	33	75	6	-	-	0	-	0	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1031.0	-6	W	3	b	30	92	6	-	-	0	-	0	•
Scilly (St. Mary's) ...	1035.4	-1	SSE	2	bc	46	75	8	4000	St.Cu	4	-	4	•
Falmouth (Pendennis)														•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1034.2	-2	ENE	4	b	40	86	7	-	-	0	-	0	•
Southampton (Calshot)	1034.2	-4	WNW	5	b+	31	92	7	-	-	0	-	0	•
Dungeness	1035.5	-5	NW	3	b	34	97	7	-	-	0	A.Cu	2	•
Jersey 7h }	1035.4	-3	NW	1	b-	41	75	8	5700	St.Cu	3	-	3	•
Guernsey 1h }														

Observations at 0700 G.M.T. 26

Stations.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1019.4	+1	N	4	bc fog	32	85	7	2500	Nb	6	-	6	3
Stornoway	1025.2	+3	NW	3	o/r	38	85	6	450	St	10	-	10	2
Wick	1021.3	+4	NW	6	o/r	36	85	8	2500	Nb	10	-	10	6
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	1023.2	•	WNW	3	o/r	38	85	8	1500	St	10	-	10	•
Aberdeen	1020.6	+4	NNW	4	0	38	85	7	2500	St.Cu	10	-	10	0
Malin Head	1026.3	-2	WNW	6	0	50	85	7	2500	St	3	A.St	9	5
Renfrew	1020.9	-1	W	3	o/r	49	85	6	1500	St	10	-	10	•
Edinburgh (Inchkeith)	1020.5	+3	NE	4	bc+	41	97	7	-	Nb	10	-	10	2
Leuchars	1020.7	+3	N	2	0	39	85	7	-	-	0	A.St	10	•
Eskdalemuir	1020.5	-4	WNW	6	0	46	85	7	2500	St.Cu	10	-	10	•
Tynemouth	1018.0	-3	W	3	0+	48	85	6	4000	St.Cu	9	-	9	2
Blacksod Point ...	1025.2	-3	W'N	4	bc	47	85	8	5700	St.Cu	3	A.Cu	6	2
Donaghadee	1032.1	•	WNW	2	0+	46	92	6	2500	St.Cu	9	-	9	•
Birr Castle	1025.2	-3	WNW	6	0	49	85	8	2500	St.Cu	10	-	10	6
Holyhead	1024.0	-4	W'S	5	0+	47	85	8	1500	St	9	-	9	6
Liverpool (Bidston) ...	1025.6	-4	W	5	0	48	85	5	1500	St.Cu	10	-	10	•
Chester (Shotwick) ...														
Spurn Head	1017.9	-8	WNW	7	0	45	92	6	450	St	10	-	10	6
Nottingham	1022.7	•	W	4	0	43	85	7	800	Nb	10	-	10	•
Cranwell	1022.5	-4	W	5	c+	42	92	6	2500	St	7	-	7	•
Gorleston	1024.2	-3	W	5	0	39	92	6	4000	St	9	-	9	1
Valencia (Cahirciveen)	1035.9	-3	SW	1	0+	49	97	6	-	St	10	-	10	•
Roches Point	1031.1	-3	W	4	0	47	85	8	-	-	0	A.St	10	2
Pembroke (St. Ann's H.)	1027.7	-4	WSW	3	0+	43	85	8	2500	St	10	-	10	•
Ross-on-Wye	1027.5	-4	W	3	bc+	35	92	7	-	Cu	4	-	4	•
Benson	1028.6	-5	W	4	0	36	92	6	2500	St.Cu	10	-	10	•
Andover	1027.3	-4	-	0	0-	34	85	6	2500	St.Cu	10	-	10	•
S. Farnborough ...	1027.0	-5	SW	2	b	34	92	6	2500	St.Cu	3	-	3	•
London (Kew Obsy.) ...	1027.1	-5	W'S	4	0+	37	85	5	2500	St.Cu	7	A.St	9	•
Croydon	1024.6	-4	WNW	3	c	37	85	6	-	-	0	A.Cu	8	0
Clacton-on-Sea ...	1025.1	-3	NW	4	hazedc	36	85	6	5700	Cu	6	-	6	•
Shoeburyness	1025.7	-4	W	5	0	37	85	6	5700	St.Cu	10	-	10	0
Grain	1026.5	-5	WNW	3	0	32	85	6	4000	St.Cu	10	-	10	•
Lympne														
Scilly (St. Mary's) ...	1033.7	0	W	3	c+	48	85	8	4000	Cu	7	-	7	4
Falmouth (Pendennis)	1032.6	-2	NW	3	b-	42	85	7	5700	Cu	3	-	3	0
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1029.8	-4	NW	4	bc+	43	85	7	1500	St.Cu	6	-	6	1
Southampton (Calshot)	1029.4	-6	WSW	3	c+	33	92	7	2500	St.Cu	10	-	10	0
Dungeness	1026.9	-6	NW	4	0+	37	92	7	5700	St.Cu	10	-	10	4
Jersey 7h }	1031.6	-1	NW	2	b	39	85	6	4000	St.Cu	3	-	3	0
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR Sat. 25th

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 24-25 °F.	Temperature. Max. Day. 25 °F.	Rainfall.† Night 17h.-9h. 24-25 mm.	Rainfall.† Day 9h.-17h. 25 mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 25 hr.
Banff								
Montrose			28	45	-	-		0·0
Llandudno	bb	bb	25	45	-	-		6·3
Colwyn Bay ...	bc	bc	31	46	-	-		6·6
Rhyl	xbc	bc	26	46	-	-		5·8
Southport	+zbcb	bcco	26	44	-	-		3·2
Blackpool	mc	c	26	46	-	-		1·6
Harrogate	bcc	c	28	40	-	-		0·2
Skegness	b	boco	32	41	-	-		2·9
Aberystwyth ...	oc	b	28	44	-	-		7·5
Bath	mb	mb	24	35	-	-		1·0
Leamington Spa ...	bc	bc	23	39	-	-		3·5
Lowestoft	bcbbc	bcoc	35	43	0·2	-		1·5
Felixstowe	cmb	bz	31	41	-	-		4·6
Southend	bcm	bcbf	30	46	-	-		4·0

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 24-25 °F.	Temperature. Max. Day. 25 °F.	Rainfall.† Night 17h.-9h. 24-25 mm.	Rainfall.† Day 9h.-17h. 25 mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 25 hr.
Paignton	bc	bccbm	35	46	-	-		4·7
Ilfracombe	b	bz	35	48	-	-		7·5
Bude	wxb	bb	?	46	-	-		7·4
Penzance	oc	coc	42	49	-	-		0·0
Falmouth Observatory	cbcm	bcmcm	40	49	-	-		3·1
Torquay	b	b	38	47	-	-		5·5
Weymouth	b	bm	32	43	-	-		6·8
Bournemouth ...	b	b	28	42	-	-		7·1
Portsmouth (S'thsea)	b	b	33	43	-	-		6·3
Worthing	b	b	31	43	-	-		7·9
Brighton	b	b	29	43	-	-		6·7
Eastbourne	b	b	33	44	-	-		7·4
Hastings								5·2
Folkestone	x	bb	34	46	-	-		5·5
Tunbridge Wells ...	bme	bbm	28	44	-	-		4·2
Ramsgate	obcb	bbcc	?	42	-	-		1·2
Margate	c	c	39	42	-	-		4·2
Deal	mbb	bbm	32	41	-	-		

* 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.22285 MONDAY, 27TH NOVEMBER 1922.

Observations at 1300 G.M.T. 26th

STATIONS.	Barom. at M.S.L. m.b	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	State of ground.
Lerwick	1021.9	+1	N	5	bcps	30	97	7	4000	CuNb	4	-	4	*
Stornoway	1027.6	+2	NW	2	o	38	85	6	450	St	10	-	10	*
Wick	1024.2	+3	N	6	o/s(h)	36	95	8	800	St	9	-	9	*
Castlebay	*													*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1023.4	+2	NNW	4	o	37	75	8	1500	St	4	ASt	10	1
Malin Head	1027.7	+2	N'W	5	oro	47	85	8	4000	St	10	-	10	*
Renfrew	1025.1	+3	N	3	o	42	65	6	2500	StCu	5	ASt	10	1
Edinburgh (Inchkeith)	1025.0	+4	NNW	3	o	40	75	8	-	Cu	2	CiSt	10	*
Leuchars	1024.1	+2	N	3	o	39	75	8	4000	StCu	7	ASt	10	0
Eskdalemuir	1024.7	+3	N'W	3	o	37	85	8	2500	StCu	5	ASt	10	2
Tynemouth	1021.7	+3	NNW	5	ojp	40	75	7	4000	CuNb	10	-	10	*
Blacksod Point														*
Donaghadee	1025.7	+1	NNW	5	or	48	85	8	800	St	4	ASt	10	*
Birr Castle	1032.0	*	NW	3	c-	49	85	8	4000	Cu	7	-	7	*
Holyhead	1025.0	-2	NW'W	7	o	50	92	7	1500	?	9	ASt	10	0
Liverpool (Bidston)	1022.2	-2	W'N	5	o/r	48	85	8	1500	Cu	10	-	10	*
Chester (Shotwick)	1022.5	-1	WNW	6	o/r	50	85	6	1500	St	8	ASt	10	0
Spurn Head	1019.1	+2	NNW	6	orr	41	97	6	4000	Nb	10	-	10	*
Nottingham	1021.7	*	N	4	oro+	42	92	6	2500	Nb	10	-	10	*
Cranwell	1021.2	0	N'W	4	oror	41	97	7	800	Nb	10	-	10	1
Gorleston	1018.4	-2	NW	4	oror	43	97	6	2500	Nb	10	-	10	*
Valencia (Cahirciveen)	1035.2	-1	NW	4	o+	51	85	8	-	-	0	ASt	9	
Roches Point														*
Pembroke (St. Ann's H.)	1028.9	-3	NW	5	c-	50	75	8	-	-	0	ASt	8	*
Ross-on-Wye	1024.3	-4	W'N	5	o	50	75	8	2500	Nb	7	ASt	10	●
Benson	1022.3	-6	W	4	o	47	75	6	4000	St	8	ASt	10	1
Andover	1022.7	-7	WSW	6	o	48	75	7	-	-	0	ACu	10	0
S. Farnborough	1022.8	-7	W	4	o	48	75	7	4000	StCu	5	ASt	10	0
London (Kew Obsy.)	1021.6	-8	WNW	4	o/r	48	75	6	1500	Nb	4	ASt	10	0
Croydon	1021.8	-7	WNW	4	o	48	75	6	2500	StCu	6	ASt	10	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1019.9	-6	NW	4	o/f	46	75	6	5700	StCu	10	-	10	*
Grain	1020.2	-6	W	6	oro	46	75	5	2500	St	8	ASt	10	1
Lympne	1020.3	-8	WNW	6	oro	45	85	7	800	Nb	10	-	10	5
Scilly (St. Mary's)	1033.1	-1	NW	4	bc+	51	85	8	4000	Cu	5	-	5	*
Falmouth (Pendennis)	1030.4	-2	NNW	4	bc	51	75	7	5700	Cu	3	CiCu	5	*
Plymouth (Cattewater)	1029.3	-4	WNW	4	o	51	75	7	4000	StCu	3	ACu	9	0
Portland Bill	1026.8	-4	W'N	6	bc	50	75	7	1500	StCu	6	-	6	*
Southampton (Calshot)	1024.5	-6	W'N	5	o-	48	85	7	-	-	0	CiSt	9	0
Dungeness	1020.8	-7	WNW	5	o	47	85	7	5700	StCu	10	-	10	*
Jersey 7h / Guernsey 1h	1029.2	-1	WNW	4	b+	52	75	7	4000	StCu	3	-	3	*

Observations at 1800 G.M.T. 26th

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1024.8	+7	NNW	4	bcps	32	85	7	4000	CuNb	4	-	4	3
Stornoway	1029.9	+2	N	2	c	37	85	6	4000	Cu	7	-	7	1
Wick	1026.3	+4	N	6	bcps	36	75	8	4000	Nb	5	-	5	6
Castlebay														
Nairn	1028.8	*	NNW	1	c	37	75	8	4000	StCu	7	-	7	*
Aberdeen	1026.4	+4	NNW	4	bcs	34	85	8	1500	CuNb	2	CiSt	4	4
Malin Head	1029.9	+3	NNW	4	or	45	85	8	2500	St	10	-	10	?
Renfrew	1028.3	+3	NE	2	o	40	75	6	2500	StCu	10	-	10	*
Edinburgh (Inchkeith)	1027.6	+5	NNW	2	o	38	75	8	-	-	0	ASt	10	2
Leuchars	1026.6	+2	N	3	o	37	65	8	2500	StCu	3	CiSt	9	*
Eskdalemuir	1027.6	+3	N'W	3	o	33	75	8	-	-	0	ASt	10	*
Tynemouth	1024.5	+4	NNW	4	b-	37	85	7	4000	CuNb	3	-	3	5
Blacksod Point														
Donaghadee	1028.5	+3	N	4	o/r	43	75	8	4000	Cu	4	ASt	10	4
Birr Castle	1031.7	*	WNW	3	b^L	45	92	7	4000	Cu	3	-	3	*
Holyhead	1027.3	+3	N'E	5	o	47	75	8	2500	St	7	ASt	10	5
Liverpool (Bidston)	1026.9	+4	NNE	3	o/r	40	75	7	2600	Cu	10	-	10	5
Chester (Shotwick)	1026.4	+4	N	4	o	42	75	6	2500	StCu	6	CiSt	10	*
Spurn Head	1022.1	+3	N	8	oH(R)	37	97	7	4000	CuNb	7	ASt	10	
Nottingham	1025.1	*	N	3	o	39	75	6	2500	Nb	10	-	10	*
Cranwell	1024.5	+4	NNW	4	o-	37	92	7	1500	St	10	-	10	*
Gorleston	1020.1	+1	N	6	c-	41	75	7	4000	Nb	8	-	8	4
Valencia (Cahirciveen)	1035.0	0	NW'N	3	b	49	85	8	2500	St	2	-	2	1
Roches Point														
Pembroke (St. Ann's H.)	1028.0	-2	NW	5	o	50	75	8	4000	StCu	6	ASt	9	3
Ross-on-Wye	1025.8	+3	ENE	2	o/r	41	92	5	1500	St	10	-	10	*
Benson	1024.7	+6	NNW	4	o	39	92	6	-	St	10	-	10	*
Andover	1024.8	+3	N	4	om	40	97	6	800	Nb	10	-	10	*
S. Farnborough	1023.6	+4	WNW	2	odd	40	97	7	1500	St	10	-	10	*
London (Kew Obsy.)	1023.7	+6	N'W	3	o/r°	41	85	7	1500	St	10	-	10	*
Croydon	1023.3	+5	N'W	3	o/r	40	85	5	800	St	10	-	10	*
Clacton-on-Sea	1020.7	+4	WNW	3	o/r	39	97	7	2500	Nb	4	ASt	10	0
Shoeburyness	1021.9	+4	WNW	3	odo	40	85	6	1500	Nb	10	-	10	*
Grain	1022.5	+4	NW	5	o/r	40	85	7	-	-	0	ASt	10	3
Lympne	1021.0	+3	N'W	5	o/r	38	97	7	1500	St	8	ASt	10	*
Scilly (St. Mary's)	1031.2	-1	NW	6	b	50	75	8	4000	Cu	1	Ci	2	5
Falmouth (Pendennis)	1029.3	-1	NNW	4	c-	50	85	8	4000	Cu	2	ACu	7	1
Plymouth (Cattewater)	1027.9	0	NNW	4	o+	49	85	7	2500	StCu	10	-	10	0
Portland Bill	1023.4	-5	NW	6	bc-	50	75	7	2500	Cu	4	-	4	5
Southampton (Calshot)	1024.7	+4	N	4	oror°	43	85	7	1500	Nb	10	-	10	3
Dungeness	1021.1	-4	N	4	or	40	97	8	2500	Nb	3	CiSt	10	4
Jersey 7h / Guernsey 1h	1025.7	-1	WNW	5	b	56	75	7	4000	StCu	2	-	2	3

LONDON OBSERVATIONS. (Weather, Temperature, Rainfall: 24 HOURS ENDED 0900 G.M.T. 27th; Sunshine: YESTERDAY; Humidity: TO-DAY.)

LONDON OBSERVATIONS.	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. %
Kew (24 hours ended 0700)	bmxbm	omibo	ocbcbx	*	*	25	0.3	-	0.0	*	*
Croydon (24 hours ended 0700)	obcomg	bmgr°Rrg	bcbmx	*	*	21	0.3	-	0.3	*	*
Greenwich (Royal Obsy.)	om	ody	ocbro	48	32	27	1	-	0.0	84	71
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*						0.0		
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	0.0	*	*
Camden Square	c	ro	*	48	31	27	0.5	-	*	*	82
Kensington Palace	oor	or	*	48	31	25	0.5	-	*	90(18h)	71
Hampstead Observatory	orbc	bcx	*	46	28	18	1	-	0.0	*	77

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T.

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

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	11.00	82
δ Ursae Minoris	13.30	9.59	74

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 2ins. deep.
5 = Dew (or wet grass but not wet ground).
6 = Skating today in 1300 & 1800 reports (Hoar frost in 0900 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	-	185
18h.	C	5	-	35
01h.	C	5	-	130
07h.	C	6	-	145

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

27th & 28th NOVEMBER, 1922.

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).
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.
jp 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.

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.

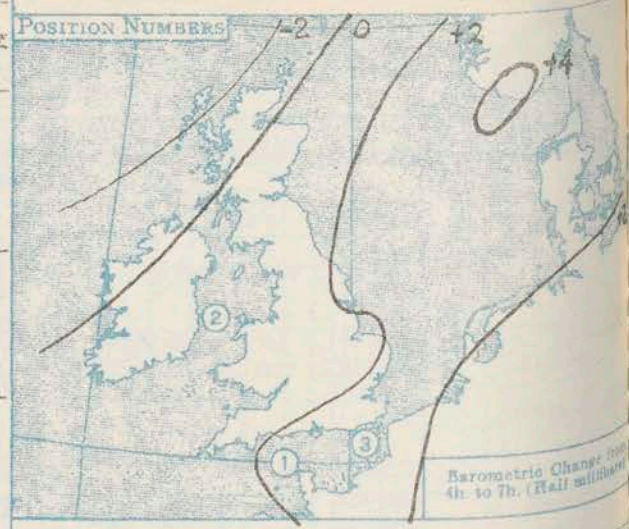
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[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. 26°	WEATHER. 13h.-18h. 26°	WEATHER. 18h. 26° to 1h. 27°	WEATHER. 1h.-7h. 27°	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. 26° Hours.
Lerwick	cpsq	cq	c	o			•	Trace	–	<0800	–	2.2
Stornoway	bo	c	o	c	39	36	•	–	0.4	–	–	0.0
Wick	phs.q	cps.q	o	od.d.	37	34	•	0.2	0.1	<0800	<2100	•
Castlebay			o	dp	45	40	•		1		–	0.0
Nairn	agccqo	cq	cbcc	c	38	35	•	0.1	–	09.00	–	0.0
Aberdeen	oriso	is	bcups	cp.s	38	33	27	0.1	0.2	0900	<2100	0.0
Malin Head	coid.	xoirz	oirco	p.co	50	44	•	1	Trace	0900	22.00	0.0
Renfrew	om	om	o	om	49	33	28	–	–	–	–	0.0
Edinburgh (Inchkeith)	oo	oo	obc	o	41	36	31	1	Trace	1630	–	0.0
Leuchars	oo	oo	o	o	39	33	25	–	–	–	–	0.0
Eskdalemuir	odrqro	oo	o	o	47	28	26	2	–	0900	–	0.0
Tynemouth	oirmq	bcq	bcqm	omq	42	34	30	3	–	<0800	–	•
Blacksod Point ...							•					•
Donaghadee	oirq	cq	c	o	49	42	•	2	Trace	0900	06.30	•
Birr Castle ...	cobr.	co	coir.	co	50	40	34	0.2	0.1	<08.00	–	•
Holyhead	oo	orro	c	bccor.	51	40	39	0.6	Trace	1430	06.30	0.0
Liverpool (Bidston) ...	r-d	oo	o	o	49	35	28	0.3	–	0900	–	0.0
Chester (Shotwick) ...	oirsmq	oprro	omm	ocbcxof	50	31	22	0.4	–	0900	–	•
Spurn Head	r-d	qrh	qrsbcq	cqprs	46	32	•	3	0.4	<0800	<21.00	0.0
Nottingham	oo	or	cb	c	49	33	29	2	–	1100	–	0.0
Cranwell	codrkq	oro	cbcb	o	47	30	27	3	–	0900	–	0.0
Gorleston	oqoqr	roqc	ocpqh	bcphs	44	41	28	6	1	<0800	01.30	0.0
Valencia (Cahireiveen)	c	c	b	o	52	48	43	0.2	Trace	–	–	0.3
Roches Point							•					•
Pembroke (St. Ann's H.)	c	c	o	opaq	51	45	•	–	0.2	–	22.00	0.2
Ross-on-Wye	ocqq⊕	oqdqdm	d.moc	obkxcx	50	31	23	02	0.1	1430	<2100	0.0
Benson...	bo	dro	o	bx	49	23	17	1	Trace	–	<2100	•
Andover	oo	prqd.d	orcbc	bcc	49	29	24	1	Trace	1630	–	0.3
S. Farnborough ...	oco	or.prd.	obcbx	bx	49	27	20	0.6	–	1530	–	1.0
London (Kew Obsy.) ...	bmxp.m	omlp.s	ocbc	bcbx	48	32	23	0.3	–	1100	–	0.0
Croydon	obcomz	omzr.kq	bcbm	bmx	48	29	21	0.3	–	1430	–	0.3
Clacton-on-Sea ...	cmo	orog	obc	cbcx	46	31	28	4	0.2	1230	<2100	0.0
Shoeburyness	bcmco	or	obbcbb	bcx	48	30	28	0.4	2	1330	<2100	0.0
Grain	omr.	or.r.	or.bc	bbh	47	31	20	1	Trace	1230	<2100	0.0
Lympne	omr.	or.rrm	ocbcbx	bmx	47	29	21	1	–	1730	–	0.0
Scilly (St. Mary's) ...	bc	bcq	bcq	bcq	52	48	•	–	–	–	–	4.2
Falmouth (Pendennis)	bbe	bcc	ocbc		53	46	•	–	–	–	–	5.2
Plymouth (Cattewater)	bcmo	obco	or	or	52	41	35	0.1	0.5	<0800	<2100	2.7
Portland Bill	c	c	bbc	bbc	51	34	•	–	–	–	–	•
Southampton (Calshot)	oo	or.r.	c	bbc	50	33	31	0.2	Trace	1630	<2100	1.1
Dungeness	oo	p	orc	bbc	48	31	•	0.6	0.4	1530	<2100	•
Jersey 7h. / Guernsey 1h.	b	bcb	rord	b	52	41	•	–	2	–	22.00	3.3

ISALLOBARS November 27th



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.
2	26th. 10h.	Anglia	W	4	c	49	53
3	27th. 3h.	Brighton	N'E	6	b	47	50

GENERAL INFERENCE.

The formation of another depression to the north of Scotland is indicated, which will cause the N to NW wind to back towards west except in the South-West of England. Temperature will remain generally low for the next few days but a brief interval of slightly milder weather is not improbable. The weather will be mainly fair with only accasional rain or drizzle in places except in Scotland and the extreme Eastern districts of England where there will be much cloud and some heavy showers of rain or sleet.

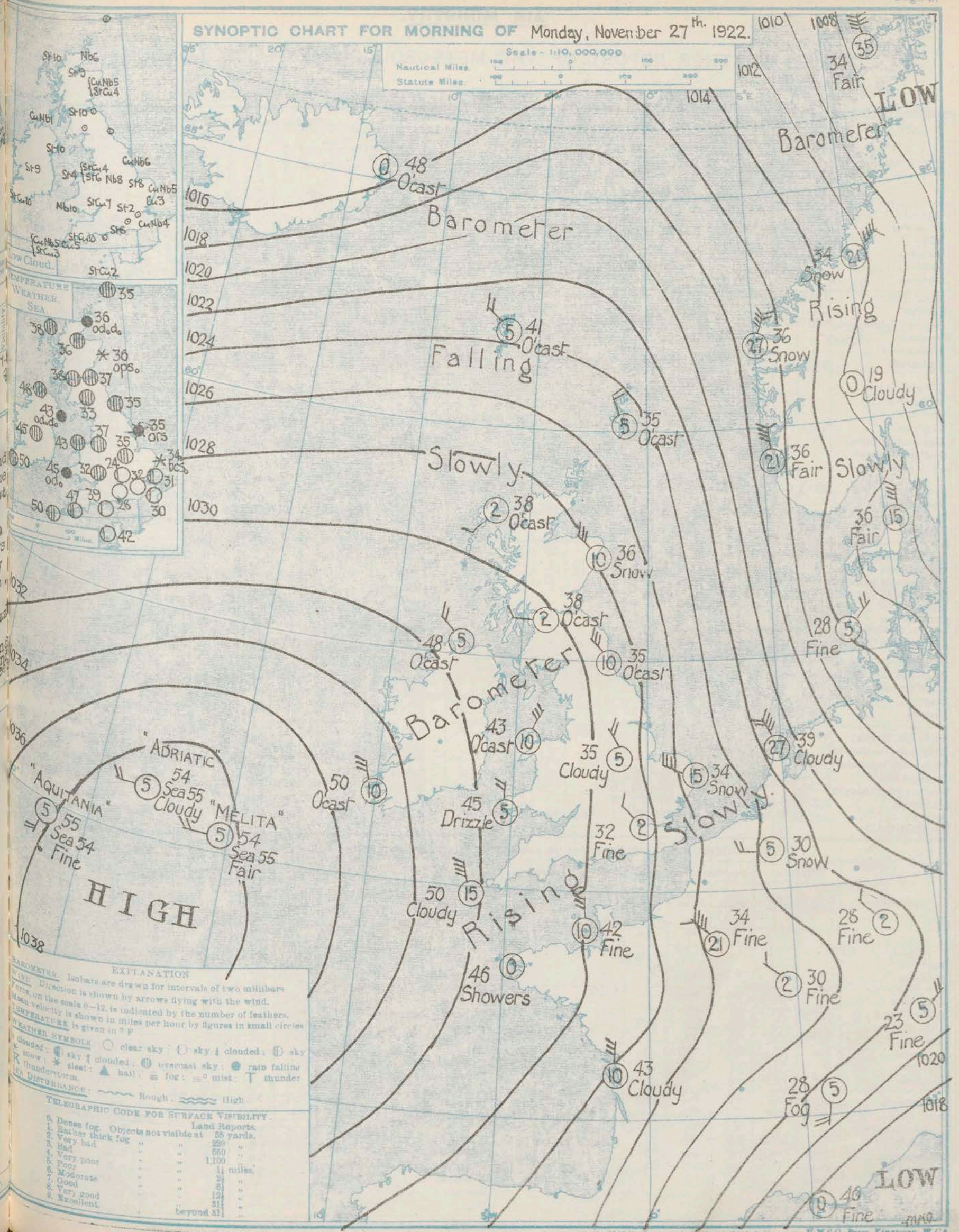
Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. 27th November, 1923.	Farther Outlook.
1. S.E. England 2. E. England	Moderate or fresh N. to NW. winds, backing later to about W. and increasing; cloudy and showery on the coast, mainly fair inland; visibility good; cold, risk of frost at night.	Continuing cold for the next few days.
3. E. Midlands 4. W. Midlands 5. S.W. England	Moderate N to NW. winds, backing later to about West and increasing; mainly fair but occasional rain or drizzle in places; visibility moderate or good; cold, risk of frost at night.	
6. South Wales	Moderate N to NW winds; mainly fair but occasional rain or drizzle in places; visibility moderate or good. Rather cold.	
7. North Wales 8. N.W. England 9. N. Midlands	Moderate NW wind, backing to West and freshening; mainly fair but occasional rain or drizzle; visibility moderate or good; cold, risk of slight frost at night.	
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 NW wind, backing to about West and freshening; cloudy, showers of rain or sleet; visibility mainly good; cold, risk of slight frost at night.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 7 to 9.	

LYN

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0930

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

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... MONDAY, 27TH NOVEMBER, 1922. No. 331...

Observations at 0100 G.M.T. 27th

Stations	Barom. at M.S.L. m.b	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	Sea. 0-6
Lerwick	1024.5	0	NNW	2	c	34	85	7	-	-	0	ASt	7	.
Stornoway	1031.7	+1	N	1	0	.	.	5	.	.	.	.	.	.
Wick	1027.4	0	N	3	0	37	88	9	2500	Nb	10	-	10	.
Castlebay	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nairn	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Aberdeen	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Malin Head	1031.4	+1	N	2	o⁻	44	88	8	5700	Nb	3	ASt	10	.
Renfrew	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Edinburgh (Inchkeith)	1029.4	0	NW	3	bc	37	75	9	-	StCu	4	-	4	.
Leuchars	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eskdalemuir	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Tynemouth	1027.5	+1	NW	3	b	35	75	7	-	-	0	-	0	.
Blacksod Point ...														.
Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Holyhead	1030.3	+2	E'N	2	bc⁻	43	85	8	-	-	0	ASt	5	.
Liverpool (Bidston) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chester (Shotwick) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spurn Head	1024.8	0	WNW	7	c r3	36	92	6	4000	Nb	8	-	8	.
Nottingham	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cranwell	1027.9	+3	NNW	4	b⁻	32	92	7	2500	StCu	1	-	1	.
Gorleston	1023.7	+1	W	3	bc h(1)	35	85	7	2500	CuNb	5	-	5	.
Valencia (Cahirciveen)	1035.6	0	NW	2	b⁻	49	92	8	-	St	2	-	2	.
Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pembroke (St. Ann's H.)	1030.5	+2	N	4	o	47	75	8	-	-	0	ASt	10	.
Ross-on-Wye	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Benson...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Andover	.	.	.	.	.	.	.	.	.	.	.	.	.	.
S. Farnborough ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
London (Kew Obsy.)...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Croydon	1027.1	+3	NNW	2	b⁻	33	85	6	-	-	0	-	0	.
Clacton-on-Sea ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Shoeburyness	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Grain	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lympne	1025.8	+3	N'W	5	b	32	92	8	-	-	0	-	0	.
Scilly (St. Mary's) ...	1031.8	+1	NN'N	6	bc†	51	85	8	4000	Cu	4	-	4	.
Falmouth (Pendennis)														.
Plymouth (Cattewater)	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Portland Bill	1028.6	+1	NNE	5	b	42	85	7	-	-	0	CiCu	2	.
Southampton (Calshot)	1023.0	+3	NNW	4	b	38	75	8	-	-	0	-	0	.
Dungeness	1025.8	+4	NNW	4	b⁻	34	97	8	-	-	0	ASt	3	.
Jersey (7h)	1023.5	+3	NNE	4	c/r	44	85	8	4000	Nb	5	-	5	.
Guernsey (1h)														

Observations at 0700 G.M.T. 27th

Stations	Barom. at M.S.L. m.b	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	Sea. 0-6
Lerwick	1024.6	0	NNW	2	o†	36	85	7	-	-	0	ASt	10	1
Stornoway	1028.4	-2	SW	1	o†	38	97	6	450	St	10	-	10	1
Wick	1026.8	0	NW	2	od₀	36	97	9	2500	Nb	6	ASt	10	4
Castlebay	1030.1	-1	NW	4	opr₀	49	85	6	800	St	10	-	10	4
Nairn	1028.8	.	-	0	o†	36	85	8	1500	St	9	-	9	.
Aberdeen	1027.6	0	NW'N	3	opS	36	88	7	2500	CuNb	9	-	9	.
Malin Head	1031.2	0	NW	2	o	48	92	8	-	CuNb	1	ASt	10	4
Renfrew	1030.5	0	W	1	o	38	85	6	1500	St	10	-	10	3
Edinburgh (Inchkeith)	1029.4	0	W	3	o†	37	85	8	-	-	0	ASt	10	3
Leuchars	1028.5	0	NNW	1	o	37	75	8	4000	StCu	10	-	10	.
Eskdalemuir	1030.4	+1	-	0	o	33	85	7	-	-	0	ASt	10	.
Tynemouth	1028.4	0	NW	3	o	35	97	7	-	-	0	ASt	10	4
Blacksod Point ...	1031.2	+1	WNW	1	odₒ	43	92	7	2500	St	10	-	10	0
Donaghadee	1033.5	.	W	2	o†	45	97	6	800	St	9	-	9	.
Birr Castle	1031.0	0	N'E	3	o/r	43	92	8	1500	St	4	ASt	10	1
Holyhead	1030.6	+1	NNE	1	o	37	75	6	1500	Cu	10	-	10	2
Liverpool (Bidston) ...	1030.5	0	W	1	fSo	35	85	3	2500	StCu	10	-	10	.
Chester (Shotwick) ...														
Spurn Head	1026.8	+2	NW'W	7	o r3	35	92	7	4000	CuNb	6	ASt	10	6
Nottingham	1028.8	.	NNW	2	cf	35	75	9	1500	Nb	8	-	8	.
Cranwell	1028.6	+1	NW'N	3	o	32	75	7	1500	St	8	ACu	10	.
Gorleston	1024.8	+1	WNW	4	bcS₂	34	85	7	2500	CuNb	5	-	5	2
Valencia (Cahirciveen)	1035.9	+1	NNW	3	o	50	85	7	4000	StCu	10	-	10	1
Roches Point														
Pembroke (St. Ann's H.)	1031.0	0	N	2	odₒ	45	85	8	1500	Nb	10	-	10	3
Ross-on-Wye	1030.4	+1	-	0	o	32	75	7	4000	StCu	4	ACu	9	.
Benson...	1029.8	+2	-	0	b⁻	24	92	6	-	St	2	-	2	.
Andover	1030.6	+1	NW	3	c	30	85	7	4000	StCu	1	ASt	7	.
S. Farnborough ...	1029.8	+1	NW	2	b	28	92	6	-	-	0	-	0	.
London (Kew Obsy.)...	1029.4	+2	NW	1	b	32	75	7	-	-	0	ASt	1	.
Croydon	1029.1	+4	WNW	1	b†	29	75	6	-	-	0	ACu	1	2
Clacton-on-Sea ...	1026.5	+2	NW	3	bc⁻	31	92	7	2500	Cu	3	Ci	5	.
Shoeburyness	1027.4	+2	NNW	5	bc	31	85	7	-	-	0	ACu	5	0
Grain	1028.0	+2	NW	4	b	31	85	7	-	-	0	CiSt	3	.
Lympne	1027.8	+3	N'W	5	b	29	85	6	4000	CuNb	1	ACu	3	.
Scilly (St. Mary's) ...	1032.2	0	NNW	4	c†	50	85	8	4000	CuNb	8	-	8	6
Falmouth (Pendennis)	1031.8	+2	NNW	3	bc⁻	47	75	7	4000	Cu	5	-	5	0
Plymouth (Cattewater)	1030.9	+1	ENE	2	o	41	92	6	2500	StCu	10	-	10	0
Portland Bill	1030.9	+2	NNE	4	b	38	78	7	-	-	0	CiCu	2	2
Southampton (Calshot)	1030.5	+2	NW	4	bc†	34	85	6	4000	StCu	1	ASt	4	0
Dungeness	1027.3	+3	N	2	b	30	97	7	-	-	0	CuCu	2	3
Jersey (7h)	1025.9	+1	N	3	b/r	42	65	7	4000	StCu	2	-	2	3
Guernsey (1h)														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 26th NOVEMBER

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 25h.-26h. °F.	Temperature. Max. Day. 26h. °F.	Rainfall.† Night 17h.-9h. 25h.-26h. mm.	Rainfall.† Day 9h.-17h. 26h. mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 26h. hr.
Banff								
Montrose	*	*	37	47	1	-	0.0	
Llandudno	o	doo	39	50	-	-	0.0	
Colwyn Bay ...	co	oe	41	49	-	-	0.0	
Rhyl...	o	o	33	45	0.2	-	0.0	
Southport	oro	or	43	48	-	1	0.0	
Blackpool	po	c	45	50	0.1	-	0.0	
Harrogate	o	o	40	43	0.6	2	0.0	
Skegness	or	orcbc	34	48	-	4	0.0	
Aberystwyth ...	roc	o	45	50	0.3	-	0.0	
Bath	o	or	23	50	-	-	0.0	
Leamington Spa ...	-	-	39	47	-	3	0.0	
Lowestoft	or	oro	35	44	-	6	0.0	
Felixstowe	oz	omp	35	46	-	3	0.0	
Southend	mo	r	30	47	-	2	0.0	

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 25h.-26h. °F.	Temperature. Max. Day. 26h. °F.	Rainfall.† Night 17h.-9h. 25h.-26h. mm.	Rainfall.† Day 9h.-17h. 26h. mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 26h. hr.
Paignton	bc	cbc	29	52	-	-		3.6
Ilfracombe	o	oco	38	51	-	-		0.8
Bude	c	c	29	51	-	-		0.1
Penzance	bc	bbc	38	53	-	-		5.0
Falmouth Observatory	ombc	bc	37	53	-	-		5.1
Torquay	bepbc	beb	33	53	-	-		3.8
Weymouth	oc	cbc	28	53	-	-		0.5
Bournemouth ...	ccb	c	27	49	-	-		1.2
Portsmouth (S'thsea)	cbb	cb	31	50	-	-		1.2
Worthing	co	od	29	50	-	-		0.1
Brighton	cbc	cor	33	50	-	-		0.4
Eastbourne	co	or	32	49	-	0.2		0.6
Hastings	oco	or	31	48	-	0.3		0.3
Folkestone	o	or	35	46	-	1		0.0
Tunbridge Wells ...	bc	coor	29	48	-	0.2		0.5
Ramsgate	o	or	31	46	-	0.4		0.0
Margate	o	o	?	46	-	1		?
Deal	cor	rr	33	47	-	1		0.0

* 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. 22286 Tuesday, 28th November 1922. Page 1.

Observations at 1300 G.M.T. 27th

Stations	Barom. at M.S.L. m.b	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	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1019.6	-6	S	4	od+	35	97	5	2500	Nb	10	·	10	*
Stornoway	1026.7	-2	WNW	3	o	48	92	6	450	St	10	-	10	*
Wick	1022.6	-5	WSW	3	od$_0$	41	92	8	4000	Nb	10	-	10	*
Castlebay	1028.9	-1	W	4	opr$_0$	51	?	7	1500	St	10	·	10	*
Nairn	·	·	·	·	·	·	·	·	·	·	·	·	·	*
Aberdeen	1026.5	-3	WNW	2	o	39	85	7	1500	St	10	·	10	1
Malin Head	1030.5	-1	NW	4	c	51	75	8	5700	StCu	3	ACu	7	*
Renfrew	1029.0	-2	SW	1	o-	42	85	6	1500	St	8	Ci	9	0
Edinburgh (Inchkeith)	1028.6	-2	SW	2	imo	40	85	6	-	·	0	ASt	10	*
Leuchars	1027.6	-2	WSW	3	o	39	75	8	5700	St	10	·	10	0
Eskdalemuir	1029.3	-1	W'S	2	o	38	75	7	2500	StCu	10	·	10	0
Tynemouth	1028.4	0	NW	3	bc-	40	75	6	4000	CuNb	2	CiCu	4	*
Blacksod Point														*
Donaghadee	1030.2	-2	NNW	3	c/r	49	85	8	2500	St	4	ACu	7	*
Birr Castle	1034.3	·	NW	1	o	49	85	7	800	StCu	9	-	9	*
Holyhead	1031.2	-1	-	0	od$_0$	44	92	6	1500	Nb	10	·	10	1
Liverpool (Bidston)	1030.3	+1	NW	2	o+	42	75	8	1500	St	10	·	10	*
Chester (Shotwick)	1030.8	-1	NW	4	o/f	43	75	6	2500	StCu	10	·	10	0
Spurn Head	1027.2	+1	NW	6	c/s(h)	38	85	7	4000	CuNb	8	·	8	*
Nottingham	1029.3	·	NNW	3	b-	41	65	5	·	·	0	Ci	3	*
Cranwell	1028.9	0	NNW	4	b-	38	85	6	4000	StCu	2	·	2	0
Gorleston	1026.0	+1	WNW	4	bcprs$_0$	38	92	7	2500	CuNb	5	·	5	*
Valencia (Cahirciveen)	1036.6	-1	NW'N	2	o+	51	75	8	2500	St.Cu	10	-	10	1
Roches Point														*
Pembroke (St. Ann's H.)	1032.4	+1	N	3	o	47	85	8	4000	StCu	9	·	9	*
Ross-on-Wye	1030.8	-1	NNW	2	bc-	40	65	8	4000	StCu	1	ACu	4	1
Benson	1030.3	-	WNW	3	b	38	75	6	-	-	0	-	0	1
Andover	1030.6	0	WNW	3	b-	39	65	7	·	·	0	ACu	1	0
S. Farnborough	1030.3	0	NW'W	3	mmb	39	65	6	·	·	0	-	0	3
London (Kew Obsy.)	1029.5	-2	NNW	2	b	39	65	6	·	-	0	-	0	-
Croydon	1029.9	0	NW'N	3	b-	38	65	5	·	-	0	·	0	0
Clacton-on-Sea	·	·	·	·	·	·	·	·	·	·	·	·	·	*
Shoeburyness	1027.7	0	NW	6	b-	37	75	7	7200	Cu	2	·	2	*
Grain	1028.6	0	NNW	5	b-	37	75	6	5700	StCu	1	ACu	2	1
Lympne	1027.8	-1	NNW	4	b/p	37	75	6	4000	StCu	9	·	9	0
Scilly (St. Mary's)	1033.2	+1	NNW	4	cpr	50	85	8	4000	CuNb	8	·	8	*
Falmouth (Pendennis)	1033.0	0	NNE	3	c/r$_0$	47	85	7	4000	Cu	8	·	8	*
Plymouth (Cattewater)	1032.3	0	·	0	o-	44	75	7	4000	St	10	·	10	0
Portland Bill	1030.9	0	N	4	b	41	75	7	·	·	0	CiCu	2	*
Southampton (Calshot)	1030.6	-1	NNW	4	b	40	65	8	-	·	0	ACu	2	0
Dungeness	1027.9	0	N	3	c+	39	65	7	·	·	0	ACu	7	*
Jersey 7h / Guernsey 1h	1031.1	0	N	3	b	44	75	7	4000	St.Cu	2	-	2	*

Observations at 1800 G.M.T. 27th

Stations	Barom. at M.S.L. m.b	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	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1017.4	-1	W'S	2	odd	42	97	6	2500	Nb	10	-	10	1
Stornoway	1024.0	-3	WNW	2	odd	48	97	5	450	St.	10	-	10	1
Wick	1021.2	-2	W	2	o	46	97	7	800	St.	4	A.St	10	1
Castlebay	1027.0	-2	WNW	4	od$_0$d$_0$	50	97	5	800	Nb	10	-	10	4
Nairn	1023.7	·	NW	3	c	47	85	8	1500	St.Cu	7	-	7	·
Aberdeen	1023.8	-3	WNW	3	o	45	85	7	1500	St.	10	-	10	1
Malin Head	1029.9	0	W	4	o+	50	85	7	5700	St.Cu	9	-	9	4
Renfrew	1028.3	-1	SW	2	o	44	92	4	2500	St.	8	Ci.St	10	·
Edinburgh (Inchkeith)	1021.7	-2	SW	3	mo-	43	97	6	※	St.Cu	10	-	10	2
Leuchars	1025.4	-2	W	4	o	43	85	7	5700	St.Cu	10	-	10	·
Eskdalemuir	1028.3	-1	S	1	o	38	92	6	2500	St.Cu	10	-	10	·
Tynemouth	1027.5	0	WNW	2	o	39	85	5	4000	St.Cu	10	-	10	2
Blacksod Point														
Donaghadee	1030.0	0	N	2	c	48	85	8	2500	St.	2	A.Cu	7	0
Birr Castle	1034.1	·	NW	1	o	47	85	6	800	St.Cu	9	-	9	·
Holyhead	1031.0	+2	NNW	5	o/r	50	92	8	2500	St.Cu	10	-	10	3
Liverpool (Bidston)	1030.3	0	W	1	o/r	40	92	6	1500	St.	10	-	10	2
Chester (Shotwick)	1030.7	0	NW	2	o/r	46	97	4	1500	St.	10	-	10	·
Spurn Head	1027.6	0	W'N	6	o	38	92	6	4000	St.Cu	8	A.Cu	9	6
Nottingham	1030.4	·	W	1	o+	37	75	4	-	-	0	Ci.St	9	·
Cranwell	1029.7	+1	NW'N	3	c+	34	85	5	4000	St.Cu	2	A.Cu	7	
Gorleston	1027.2	+1	NW	3	cprs$_0$	37	97	7	2500	CuNb	8	·	8	2
Valencia (Cahirciveen)	1036.8	+1	-	0	c+	46	85	8	2500	St.Cu	7	-	7	1
Roches Point														
Pembroke (St. Ann's H.)	1032.4	0	NNW	4	o	49	85	8	4000	St.Cu	10	-	10	2
Ross-on-Wye	1031.1	+1	NW	1	or$_0$	40	92	7	2500	Nb	10	-	10	·
Benson	1030.5	+1	NW	1	c+	29	92	6	-	St.	7	-	7	·
Andover	1031.4	+1	NW'W	2	o+	33	75	6	-	-	0	A.Cu	9	·
S. Farnborough	1031.0	+2	-	0	mmb	29	85	6	-	-	0	-	0	·
London (Kew Obsy.)	1030.4	+2	WNW	1	b	35	75	4	-	-	0	-	0	·
Croydon	1030.5	+3	W'N	1	ctm	32	75	3	-	-	0	Ci.Cu	7	·
Clacton-on-Sea	1028.4	+3	NW	3	o+	37	85	6	2500	Cu	10	-	10	1
Shoeburyness	1029.1	+1	NW	3	c-	35	85	7	-	-	0	A.Cu	8	·
Grain	1030.0	+2	NW	4	bc	35	85	7	5700	St	6	-	6	0
Lympne	1029.4	+1	NNW	4	bc+	34	85	5	5700	St.Cu	6	-	6	·
Scilly (St. Mary's)	1033.6	0	N	3	b	48	85	8	4000	CuNb	3	-	3	5
Falmouth (Pendennis)	1032.9	+1	N	3	bc	47	85	7	5700	Cu	4	-	4	0
Plymouth (Cattewater)	1032.4	+1	-	0	c	45	85	6	-	-	0	A.Cu	7	0
Portland Bill	1030.9	0	N	3	b	42	75	7	-	-	0	Ci.Cu	2	1
Southampton (Calshot)	1031.3	+1	NW'W	3	b	35	75	8	-	-	0	-	0	0
Dungeness	1029.1	+1	N	3	b	36	92	7	-	-	0	-	0	3
Jersey 7h / Guernsey 1h	1030.9	0	N	3	b	42	65	7	4000	St.Cu	3	-	3	3

London Observations.	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. 28th								Yesterday.		To-day.
Kew	b3	b3bmx	omomd	·	·	23	-	~	4.6	·	·
Croydon (24 hours ended 0700)	bomxbc	o3bmcf	bcomom	·	·	21	-	~	4.1	·	·
Greenwich (Royal Obsy.)	obc	b3x	brom	46	31	25	-	-	4.4	83?	?
City (Bunhill Row)	·	·	·	·	·	·	·	·	1.0	·	·
Westminster (St. James' Pk.)	·	·	·	48	31	25	-	-	3.4	65	83
Regent's Pk. (Botanic Gdns).	·	·	·	·	·	·	·	·	4.7	·	·
Camden Square	c	bc	·	46	33	27	0.1	-		·	86
Kensington Palace	b	b	@	46	32	23	~	-	·	72(18h)	85
Hampstead Observatory	bc	bxf	·	45	30	18	~	-	5.2	·	86

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 27th

South Kensington Max.	Time.	Min.	Time.
0.5	16-21h 26th	<0.3	0-4h. 27th
0.6	10h. 27th		

Kew Observatory Max.	Time.	Min.	Time.
0.5	17h. 26th	-	-

Pole Star Record at Greenwich Obsy.

Exposure from 27th 17 h 00 m. to 28th 06 h 30 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13.30	4.22	32
δ Ursae Minoris	13.30	2.02	15

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 today in 1300 & 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	-	160°
18h.	C	5	-	165°
01h.	CS$_2$	5	~	40
07h.	C	5	-	5

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

28th & 29th November, 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.38 / 7.39	11.41 / 11.41	3.44 / 3.43
Greenwich	7.41 / 7.42	11.48 / 11.48	3.55 / 3.54
Wick	8.33 / 8.35	12.0 / 12.0	3.27 / 3.26
Valencia	8.24 / 8.25	12.29 / 12.29	4.34 / 4.33

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.
jp 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$_0$r$_0$ = continuous light rain.

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.

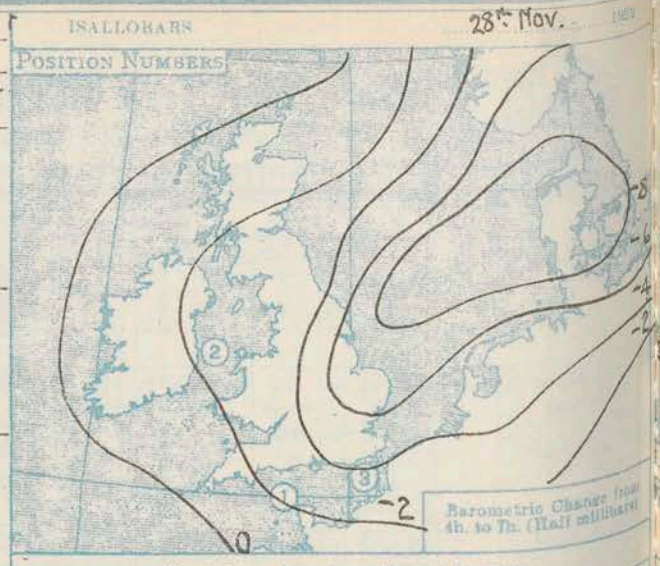
0 = no swell, 1 = mod. swell, 2 = heavy swell } Calm or slight sea.
3 = no swell, 4 = mod. swell, 5 = heavy swell } Moderate sea.
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

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. 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	omsd	omd	omr	omrq	45?	45?	•	3	8	0900	<2100	0.0
Stornoway	oo	r.d	rrd	d	49	46	•	0.6	1	–	–	0.0
Wick	oid₀	oo	oRR	rrddm	46	45	•	0.6	3	<0800	24.00	•
Castlebay	op	op₀rr	r₀r₀o	o	51	50	•	0.3	1	1630	–	0.0
Nairn	odcg	cq	cbcq	cqq	47	43	•	0.2	–	0900	–	0.0
Aberdeen	opro	op₀ro	oom	pribq	45	45	41	0.4	1	<0800	01.30	0.0
Malin Head	c	co3e	comid	oidmd	51	49		–	1	–	<2100	0.3
Renfrew	omm	oprDm	omd₀	ooq	44	41	37	1	Trace	1530	<2100	0.0
Edinburgh (Inchkeith)	m	mm	o	o	44	43	41	Trace	–	1730	–	0.0
Leuchars	oo	oo	oo	oo	43	43	39	–	–	–	–	0.0
Eskdalemuir	oo	oo	odm	odo	39	37	34	–	1	–	<2100	0.0
Tynemouth	bem	om	mid₀	omrq	40	38	36	–	1	–	24.00	•
Blacksod Point ...												•
Donaghadee	cd	bcp	omd	bmdq	50	48	•	1	1	<0800	<2100	•
Birr Castle ...	co	c.			49			–		–		
Holyhead	ooid₀	odir₀r	or₀o	ooc	50	49	46	0.4	0.1	1230	<21.00	0.0
Liverpool (Bidston) ...	oc	od	odq		49	37	32	Trace	1	<0800	<21.00	0.7
Chester (Shotwick) ...	ofmo	or₀d₀om	omm	orrq	43	50	34	0.3	0.1	1330	24.00	•
Spurn Head	coqps	oq	o	omopr	40	32	•	Trace	Trace	<0800	05.30	0.3
Nottingham	cm	m	co	or₀	41	35	31	–	0.3	–	24.00	0.9
Cranwell	ombfc	b.bccm	om	mr₀	39	32	28	–	Trace	–	06.30	2.8
Gorleston	bcprs	cprs	c	coir₀	40	34	31	6	1	<0800	<21.00	3.0
Valencia (Cahirciveen)	oco	oc	b	c	51	36	33	–	–	–	–	0.7
Roches Point												•
Pembroke (St. Ann's H.)	oo	oo	c	o	43	49	•	Trace	–	<0800	–	0.3
Ross-on-Wye	omcbcc	cor₀	d₀om	oco	42	39	37	0.2	Trace	1630	<2100	1.9
Benson	xcbcb	b.bc	xbcco	o	38	29	22	–	–	–	–	•
Andover	b.bc	bcc	om	om	39	33	29	–		–		4.9
S. Farnborough ...	bcbcbm	bbx	bmx	or₀o	40	26	13	–	0.2	–	06.30	3.5
London (Kew Obsy.) ...	bz	b3bmx	bmx	omomw	39	31	23	–	–	–	•	4.6
Croydon	bomxbcbz	bmcf	bcom	omi	38	30	21	–	–	–	–	4.1
Clacton-on-Sea ...	bcm	bccom	bcm	comd	38	32	28	–	0.1	–	06.30	5.5
Shoeburyness	bcxb	b.bc	cbcx	coir₀	41	32	27	–	0.1	–	05.30	4.6
Grain	bxcob	b.bcm	bcbx	bxor₀	39	28	22	–	0.1	–	06.30	2.7
Lympne	bbecom	b.bc	bcm	bcompb	38	29	24	Trace	Trace	–	06.30	5.9
Scilly (St. Mary's) ...	cqp	c	oc	c	52	37	33	1	–	0900	–	0.9
Falmouth (Pendennis)	cop	cocb	bbc		49	45	•	0.1	–	<0800	–	0.5
Plymouth (Cattewater)	cd₀o	obcc	b	bbc	46	43	33	Trace	–	0900	–	0.7
Portland Bill	b-bc	b.bc	bco	o	49	40	•	–	–	–	–	•
Southampton (Calshot)	c	b	c	p	41	33	26	–	Trace	–	04.30	4.1
Dungeness	c	bx	bx3	bcx3	39	27	•	–	–	–	–	•
Jersey 7h } Guernsey 1h }	bcb	bcb	Yord	o	45	40	•	–	0.3	–	22.00	3.0



Observations from Cross Channel Steamers.

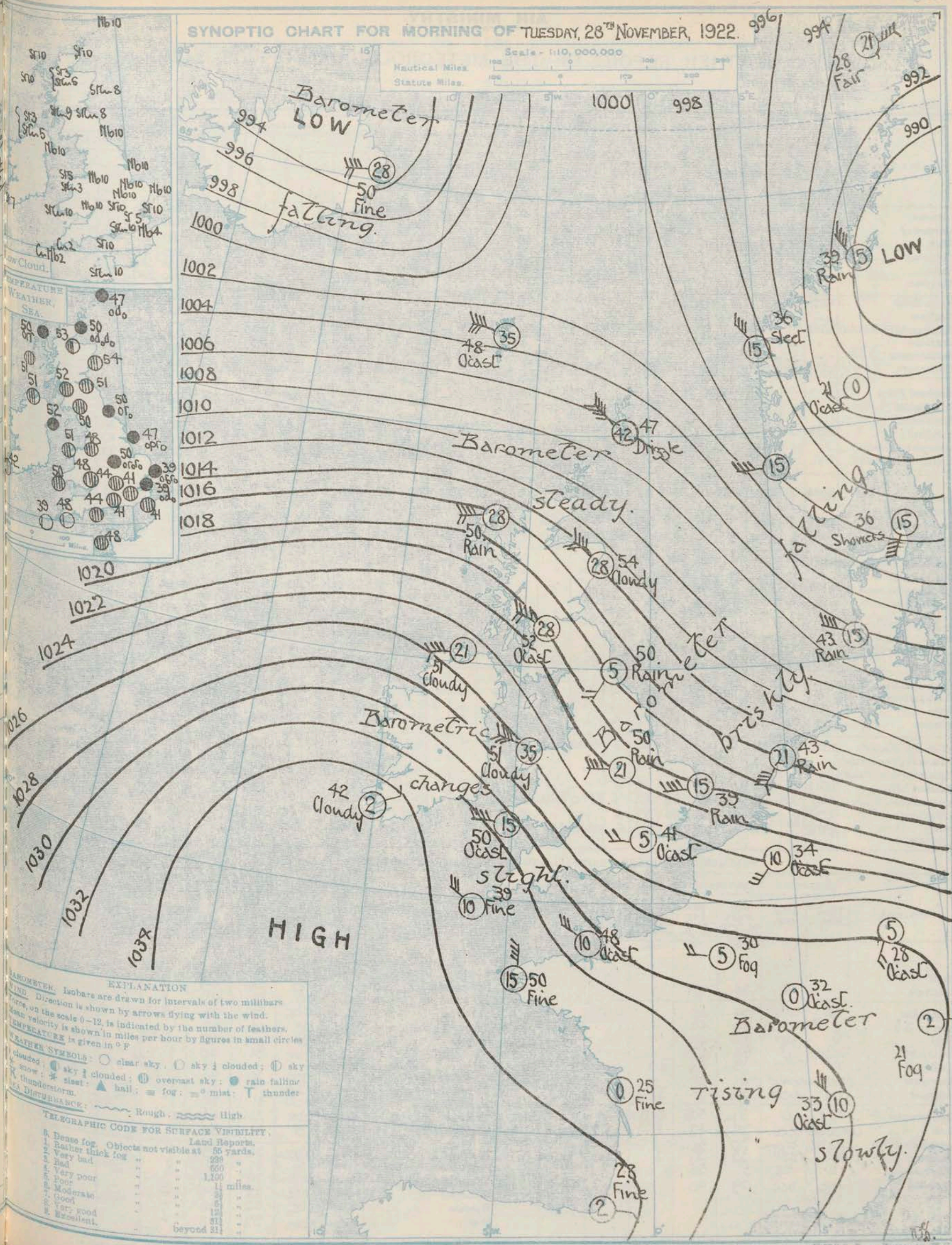
Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2.	27th 10h	Anglia	NW	5	ob	47	53	7
3.	28th 3h	–	NW	2	bc	41	44	6

GENERAL INFERENCE.

The anticyclone is now south of Ireland and a large depression northeast of the British Isles is growing deeper. Much warm air has spread up to the regions round Iceland and the general veering of the wind to NW today will therefore not be accompanied by colder weather. Stormy unsettled weather is indicated generally, but in SW. England and Southern Ireland fair and relatively quiet conditions will continue.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 28th November, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind westerly, veering to North West, fresh to strong, a gale in exposed places; Much cloud, rain at times; visibility moderate or good; mild.	Continuing unsettled in Scotland and on the east coast of England, outlook uncertain elsewhere.
5. S.W. England 6. South Wales	Moderate NW. wind; cloudy to fair; visibility moderate or good; mild.	
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	As 1 - 4.	South Cone hoisted in Districts 7, 8, 10, 11, 12, 13, 14, 15, 16, 17 & 18, at 0230 to-day, and in Districts 1, 2 & 19 at 0930 to-day.
19. S.E. Ireland 20. S.W. Ireland	As 5.	

E.V.N


SYNOPTIC CHART FOR MORNING OF TUESDAY, 28TH NOVEMBER, 1922.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
Barometer LOW
falling.
Barometer steady.
Barometric changes slight.
HIGH
Barometer rising slowly.
Barometer rising briskly.
LOW
EXPLANATION
BAROMETER: Isobars are drawn for intervals of two millibars
WIND: Direction is shown by arrows flying with the wind.
Mean velocity is shown in miles per hour by figures in small circles
TEMPERATURE is given in ° F
WEATHER SYMBOLS: clear sky; sky ½ clouded; sky clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
Land Reports.
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 " " 1½ miles.
5. Poor " " 2
6. Moderate " " 5
7. Good " " 12
8. Very good " " 31
9. Excellent. " beyond 31 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION....Tuesday, 28th November.....1922. No. 332.

Observations at 0100 G.M.T....28th.....

Stations.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1007.3	-8	W	4	ovr	48	97	6	2500	Nb	10	-	10	•
Stornoway	1019.9	-4	WNW	5	ovr†	•	•	4	•	•	•	•	•	•
Wick	1013.8	-6	W	3	oRR	48	97	8	800	St	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1027.5	-2	W	6	od₀†	51	92	6	1500	St	10	-	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1020.9	-7	WSW	4	o/m	48	97	7	-	St	4	ASt	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1023.3	-5	W	2	ojp	45	92	7	4000	Nb	10	-	10	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1023.4	-2	W	5	o/r	50	85	8	1500	St	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1025.3	-1	WSW	5	o	41	92	5	1500	St	10	-	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1027.5	-3	W'S	4	o	36	97	5	2500	StCu	10	-	10	•
Gorleston	1026.8	0	W	3	o	34	85	6	4000	StCu	9	-	9	•
Valencia (Cahirciveen)	1036.9	0	-	0	b	45	97	7	-	-	-	-	-	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Anu's H.)	1032.6	-1	NW	3	c	49	78	8	-	-	0	ASt	8	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	•	•	•	•	•	31	•	•	•	•	•	•	•	•
Croydon	1030.0	-3	W	2	o†	35	88	6	1500	St	10	-	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness... ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1029.2	0	NNW	3	bc	31	92	4	-	-	0	aSt	4	•
Scilly (St. Mary's) ...	1034.6	0	NNW	3	c	50	85	8	4000	StCu	7	-	7	•
Falmouth (Pendennis)														•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1030.9	0	SW	2	o†	40	75	6	-	-	0	ASt	10	•
Southampton (Calshot)	1031.1	-2	W'S	2	c	38	92	7	St+o	StCu	4	ASt	7	•
Dungeness	1030.1	0	NW	3	b-	28	97	6	-	-	0	-	0	•
Jersey 7h }	1031.6	0	SSW	1	o/r	43	97	6	4000	Nb	10	-	10	•
Guernsey 1h }														

Observations at 0700 G.M.T.....28th.....

Stations.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1006.7	+1	NW	8	od₀	47	92	6	4000	Nb	10	-	10	7
Stornoway	1017.8	0	W	6	or₀	50	92	5	450	St	10	-	10	4
Wick	1011.5	0	WNW	7	od₀	50	97	6	450	St	10	-	10	6
Castlebay	1022.5	-1	WNW	5	o	51	85	6	800	St	10	-	10	5
Nairn	1016.3	•	W	5	c	53	85	8	1500	StCu	8	-	8	•
Aberdeen	1013.8	-1	NW'N	6	c†	54	85	6	4000	StCu	8	-	8	1
Malin Head	1025.6	-1	W	5	c/r	51	92	7	2500	StCu	8	-	8	4
Renfrew	1019.9	-3	WNW	6	o	52	85	8	1500	StCu	9	-	9	•
Edinburgh (Inchkeith)	1017.0	-3	WSW	4	o	51	85	8	-	StCu	10	-	10	3
Leuchars	1015.9	-1	W	5	o	55	65	8	4000	StCu	8	ASt	10	•
Eskdalemuir	1019.0	0	WNW	8	o	50	85	6	1500	StCu	10	-	10	•
Tynemouth	1017.3	-3	SW	6	o₀r₀	50	85	6	4000	Nb	10	-	10	1
Blacksod Point ...	1024.1	-3	SW	4	od₀	52	92	8	2500	Nb	10	-	10	3
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1026.0	-3	W'N	7	c	51	92	7	2500	St	8	-	8	6
Liverpool (Bidston) ...	1028.5	-3	W'S	7	o/r	48	92	5	1500	CuNb	10	-	10	7
Chester (Shotwick) ...	1024.6	-1	W	6	o₀r₀	50	85	4	1500	Nb	10	-	10	•
Spurn Head	1017.3	-8	W'S	6	obr₀	47	92	5	4000	Nb	10	-	10	6
Nottingham	1021.1	•	W	5	or₀r₀	50	85	6	1500	Nb	10	-	10	•
Cranwell	1021.4	-6	W'N	4	or₀r₀	45	97	6	800	Nb	10	-	10	•
Gorleston	1020.4	-6	W	4	or₀r₀	39	97	6	4000	Nb	10	-	10	1
Valencia (Cahirciveen)	1034.3	-1	ENE	1	c	42	97	6	2500	St	7	-	7	2
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Anu's H.)	1030.1	-2	WNW	4	o	50	75	8	4000	StCu	10	-	10	2
Ross-on-Wye	1026.6	-3	W	5	o	48	75	8	2500	Nb	10	-	10	•
Benson...	1024.7	-6	W	4	o	44	92	7	-	St	10	-	10	•
Andover	1026.6	-4	W	5	o	45	85	6	1500	St	10	-	10	•
S. Farnborough ...	1025.7	-4	WSW	2	o/N	41	97	6	1500	StCu	10	-	10	•
London (Kew Obsy.)...	1025.6	-5	WSW	2	o	41	92	5	1500	St	5	ASt	10	•
Croydon	1024.9	-5	W'S	4	o	43	85	5	1500	St	10	-	10	•
Clacton-on-Sea ...	1023.0	-4	WNW	3	od₀	39	97	6	2500	St	10	-	10	1
Shoeburyness... ...	1023.1	-3	W	6	o/r	41	92	6	1500	St	8	ASt	10	•
Grain	1024.0	-6	WSW	5	o/r	42	92	7	4000	St	10	-	10	•
Lympne	1024.7	-6	W	3	obr₀	35	97	5	1500	Nb	7	ASt	10	•
Scilly (St. Mary's) ...	1034.1	0	NW	3	b	39	85	8	4000	CuNb	2	-	2	3
Falmouth (Pendennis)	1033.1	-1	NNW	4	b	48	85	8	5700	Cu	3	ci	3	0
Plymouth (Cattewater)	1031.5	12?	NW	3	c-	47	85	8	4000	StCu	8	-	8	0
Portland Bill	1028.0	-3	W	5	o	44	97	7	450	St	10	-	10	3
Southampton (Calshot)	1027.5	-3	W'S	4	obr₀	45	92	7	4000	StCu	10	-	10	0
Dungeness	1025.2	-4	W	5	o†	41	97	8	4000	Nb	4	cSt	10	5
Jersey 7h }	1030.6	-1	NW	3	o/r	48	92	7	2500	StCu	10	-	10	2
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR....Monday, 27th Nov.....

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 26-27th. °F.	Temperature. Max. Day. 27th. °F.	Rainfall.† Night 17h.-9h. 26th-27th. mm.	Rainfall.† Day 9h.-17h. 27th. mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 27th. hr.
Banff								1.7
Montrose	•	•	34	40	-	-		0.0
Llandudno	o	do	34	45	-	0.3		0.0
Colwyn Bay ...	c	cd	39	44	-	1		0.0
Rhyl...	o	op	34	44	-	-		0.0
Southport	ocbco	o	34	42	-	-		0.8
Blackpool	p	co	35	44	0.3	-		1.2
Harrogate	bcb	bcco	31	39	-	-		3.2
Skegness	oc	ocb	32	39	3	0.1		1.3
Aberystwyth ...	roc	o	36	45	0.3	-		0.0
Bath	mocbc	bcco	28	42	1	-		2.8
Leamington Spa ...	ocbbc	bcom	30	40	-	-		3.3
Lowestoft	ocb	rssl.	33	37	2	3		3.4
Felixstowe	b	bz	31	38	-	-		5.6
Southend	ybc	bcc	29	40	-	-		3.0

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 26-27th. °F.	Temperature. Max. Day. 27th. °F.	Rainfall.† Night 17h.-9h. 26th-27th. mm.	Rainfall.† Day 9h.-17h. 27th. mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 27th. hr.
Paignton	om	bcco	38	47	-	-		0.6
Ilfracombe	o	o	44	49	-	-		1.0
Bude	o	o	45	49	-	-		2.4
Penzance	bcc	cbc	47	53	0.3	-		0.0
Falmouth Observatory	oco	oc	46	49	1	-		2.0
Torquay	copo	b	39	47	-	-		3.3
Weymouth	ob	bbc	31	45	1	-		3.2
Bournemouth ...	bc	bc	30	41	0.3	-		4.0
Portsmouth (S'thsea)	ocb	b	33	40	1	-		4.1
Worthing	obc	bcb	31	39	-	-		4.3
Brighton	ocb	bbc	31	44	0.4	-		5.1
Eastbourne	cbcb	b	31	39	0.2	-		5.1
Hastings	cbc	bbcom	31	39	1	-		5.5
Folkestone	c	c	31	?	3	-		1.7
Tunbridge Wells ...	cmbem	bcbm	29	37	-	-		4.7
Ramsgate	b	bbc	33	39	2	-		4.0
Margate	bc	bc	36	40	-	-		5.3
Deal	mbb	bbm	32	38	-	-		

* 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.22287 Wednesday, 29th November, 1922. Page 1.

Observations at 1300 G.M.T. 28th.

Stations	Barom. at M.S.L. (m.b)	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)	State of ground.
Lerwick	1002.2	-4	WNW	9	od	48	92	6	4000	Nb	10	·	10	*
Stornoway	1013.7	-4	W	5	odd$_0$	51	97	5	450	St	10	-	10	*
Wick	1009.2	-5	WNW	6	o	51	92	8	1500	CuNb	10	-	10	*
Castlebay	1019.5	-3	W	5	opr$_0$	52	92	6	400	St	10	·	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1011.9	-2	WNW	5	bc	54	75	8	1500	StCu	1	CiCu	4	1
Malin Head	1023.6	-3	W	6	mc-	51	92	6	1500	St	8	·	8	*
Renfrew	1019.4	-3	W	5	o	52	85	7	1500	St	10	·	10	0
Edinburgh (Inchkeith)	1016.4	-1	WSW	5	o.	51	75	8	*	St	3	Ci St	9	*
Leuchars	1015.2	-3	WSW	5	c	55	75	8	4000	StCu	8	-	8	0
Eskdalemuir	1019.3	-2	W'N	6	o	46	85	6	2500	St	10	·	10	1
Tynemouth	1016.3	-1	WNW	4	c/r	52	75	6	4000	CuNb	2	ACu	7	*
Blacksod Point														*
Donaghadee	1024.2	+1	NW	3	bc-	52	75	8	-	CuNb	3	ACu	6	*
Birr Castle	1030.1	*	W	2	c-	51	85	6	4000	St.Cu	8	-	8	*
Holyhead	1026.3	-1	WNW	6	o.	51	85	7	1500	St	7	ACu	9	0
Liverpool (Bidston)	1023.9	0	W	6	c-	49	92	7	1500	Nb	7	·	7	*
Chester (Shotwick)	1024.5	0	W'N	5	o-	52	85	6	1500	St	8	Ci	9	0
Spurn Head	1016.9	0	WNW	6	bc	50	85	6	4000	StCu	4	CiSt	6	*
Nottingham	1020.7	*	WNW	5	o	53	85	6	1500	Nb	9	ACu	10	*
Cranwell	1020.1	-1	NW'N	5	o/p	53	85	6	1500	StCu	9	-	9	2
Gorleston	1018.3	-2	NW'N	5	o+	50	92	6	4000	StCu	9	-	9	*
Valencia (Cahirciveen)	1033.2	-2	W'N	3	c	52	75	7	2500	St.Cu	8	-	8	1
Roches Point														*
Pembroke (St. Ann's H.)	1029.3	-1	WNW	4	o	51	85	7	4000	StCu	10	·	10	*
Ross-on-Wye	1024.9	-2	W'N	4	o	53	75	8	2500	St	4	CiSt	9	0
Benson	1022.4	-1	WNW	3	o	51	85	7	-	St.Cu	10	-	10	1
Andover	1023.8	-3	WNW	6	o	50	85	7	800	St	10	-	10	0
S. Farnborough	1023.0	-2	WNW	4	o/r	51	85	4	2500	StCu	10	·	10	1
London (Kew Obsy.)	1022.0	-3	NW	4	o	53	75	6	1500	StCu	10	-	10	-
Croydon	1022.2	-2	NW'N	3	o/r	50	85	6	1500	St	10	-	10	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1020.1	-2	NW'N	6	od$_0$	51	85	7	2500	St	10	·	10	*
Grain	1020.7	-1	WNW	5	o	51	85	6	1500	St	10	·	10	1
Lympne	1020.5	-4	NW'N	5	or$_0$r$_0$	48	92	4	450	Nb	9	ASt	10	
Scilly (St. Mary's)	1033.0	-1	WNW	3	bc	52	75	8	4000	StCu	2	CiCu	5	*
Falmouth (Pendennis)	1031.5	-3	NW	5	o+	52	65	9	7200	StCu	9	·	9	*
Plymouth (Cattewater)	1030.1	-2	W	4	o	52	75	8	2500	St	6	ACu	9	0
Portland Bill	1026.9	-2	WNW	6	o	52	85	7	450	St	10	·	10	*
Southampton (Calshot)	1023.7	-4	NW'N	6	o	52	75	8	4000	StCu	4	ACu	10	5
Dungeness	1020.8	-3	W	5	opr$_0$	49	92	7	4000	St	10	·	10	*
Jersey 7h / Guernsey 1h	1029.0	-1	WNW	4	o	53	75	7	2500	St.Cu	10	-	10	*

Observations at 1800 G.M.T. 28th.

Stations	Barom. at M.S.L. (m.b)	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)	Sea. (0-9)
Lerwick	1000.2	-2	WNW	9	o	46	75	6	5700	St.Cu	9	-	9	8
Stornoway	1013.6	0	WNW	6	bc/r	49	85	6	4000	Cu	4	-	4	5
Wick	1006.4	-3	WNW	7	c	49	85	8	5700	Cu	7	-	7	6
Castlebay	1018.5	0	W	5	o/r	52	92	6	1500	St.	10	-	10	5
Nairn	1011.1	*	W	8	c-	54	75	8	4000	Cu	6	-	6	*
Aberdeen	1010.1	-2	W	5	o	54	85	7	1500	St.	10	-	10	1
Malin Head	1022.0	-1	W	6	mo-	51	92	6	1500	St.	10	-	10	5
Renfrew	1018.3	0	WNW	3	od$_0$d$_0$	51	92	6	1500	Nb	10	-	10	*
Edinburgh (Inchkeith)	1014.4	-5	WSW	5	o	51	92	8	*	St.Cu	9	-	9	5
Leuchars	1013.4	-1	WSW	5	c	51	85	8	4000	St.Cu	6	A.St	8	*
Eskdalemuir	1018.5	0	W'N	5	od$_0$d$_0$	49	92	6	1500	Nb	10	-	10	*
Tynemouth	1015.8	0	W	3	c-	51	85	6	2500	Cu	6	-	6	1
Blacksod Point														
Donaghadee	1022.2	-1	WNW	4	o	51	85	8	4000	St.Cu	10	-	10	3
Birr Castle	1028.9	*	W	3	c-	49	92	6	2500	Cu	7	-	7	*
Holyhead	1024.6	-1	W'N	6	c-	51	92	7	2500	St.Cu	2	A.Cu	7	4
Liverpool (Bidston)	1023.2	+1	W	6	o	49	92	6	1500	St.	10	-	10	6
Chester (Shotwick)	1023.2	0	W	5	o+	51	85	6	1500	St.	10	-	10	*
Spurn Head	1016.8	0	NW	6	b	48	85	7	-	-	0	-	0	6
Nottingham	1020.7		NW	4	o	51	85	6	1500	Nb	10	-	10	*
Cranwell	1020.5	+1	W'N	4	b	48	92	6	1500	St	1	-	1	5
Gorleston	1018.4	0	W	3	b/f	47	92	7	-	-	0	-	0	0
Valencia (Cahirciveen)	1031.9	0	WNW	4	o+	51	75	7	2500	St.	6	A.St	10	1
Roches Point														
Pembroke (St. Ann's H.)	1027.7	-1	WNW	4	b	50	85	8	-	-	0	-	0	4
Ross-on-Wye	1024.5	0	WNW	5	o	51	75	8	2500	St.Cu	10	-	10	*
Benson	1022.7	0	WNW	3	o	49	85	7	*	St.	10	-	10	*
Andover	1023.6	0	W	4	b	45	92	7	4000	St.Cu	2	-	2	*
S. Farnborough	1023.1	0	WNW	5	o	49	85	7	5700	St.Cu	10	-	10	*
London (Kew Obsy.)	1022.2	0	NW	3	c	51	75	6	-	-	0	A.Cu	2	*
Croydon	1022.1	0	NW'W	3	bc	50	75	6	1500	St.Cu	5	-	5	*
Clacton-on-Sea	1019.4	+1	WNW	3	bc	49	97	6	4000	Cu	2	Ci.St	5	0
Shoeburyness	1020.4	+1	NW	6	b/r	50	85	7	-	-	0	-	0	*
Grain	1020.7	+1	WNW	6	b	50	75	7	2500	St	1	-	1	3
Lympne	1020.7	+1	NW	4	o+	49	75	6	800	St.	10	-	10	*
Scilly (St. Mary's)	1030.9	-2	WNW	5	b	50	85	8	-	-	0	-	0	5
Falmouth (Pendennis)	1030.6	-3	W	2	bc	48	85	8	5700	St.Cu	5	-	5	0
Plymouth (Cattewater)	1029.3	0	WNW	3	b	48	85	8	-	-	0	-	0	0
Portland Bill	1026.1	-2	WNW	6	bc	50	75	7	-	-	0	Ci.Cu	4	5
Southampton (Calshot)	1023.5	+1	WNW	5	b	48	85	8	-	-	0	A.Cu	1	*
Dungeness	1021.1	+2	N	4	bc	49	92	7	-	-	0	A.Cu	4	4
Jersey 7h / Guernsey 1h	1028.2	0	WNW	4	b	52	85	7	-	-	0	A.Cu	2	3

London Observations	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. 29th.								Yesterday.		To-day.
Kew	ombm	or$_0$mbm	bmbobo	*	*	38	0.1	-	0.0	*	*
Croydon (24 hours ended 0700)	omr$_0$r$_0$	ombc	obcmz	*	*	39	Tr.	-	0.0	*	*
Greenwich (Royal Obsy.)	ord	odm	omco	54	44	37	0.5	-	0.0	79	74
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*	54	44	35	-	-	0.0	76	78
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	0.0	*	*
Camden Square	0	0	*	53	45	41	Tr.	-	*	*	76
Kensington Palace	oo	oc	o	53	46	36	-	-	*	75(18h)	78
Hampstead Observatory	*	*	*	51	44	33	0.3	Tr.	0.0	*	79

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 28th.

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

Kew Observatory Max.	Time.	Min.	Time.
0.9	14h. 27m.	-	-

Pole Star Record at Greenwich Obsy.

Exposure from 28th 17h 00m. to 29th 06h 30m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13.30	6.36	49
δ Ursae Minoris	13.30	5.40	42

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 = Floating snow or (1300 & 1800 reports) (1800 from 0.0100 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	-	20°
18h.	C	5	-	25°
01h.	C	5	-	146°
07h.	C	5	..	45°

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

29th & 30th November, 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.39 7.41	11.41 11.42	3.43 3.43
Greenwich	7.42 7.44	11.48 11.49	3.54 3.54
Wick	8.35 8.37	12.0 12.1	3.26 3.25
Valencia	8.25 8.27	12.29 12.30	4.33 4.32

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.
jp 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$_0$r$_0$ = continuous light rain.

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.

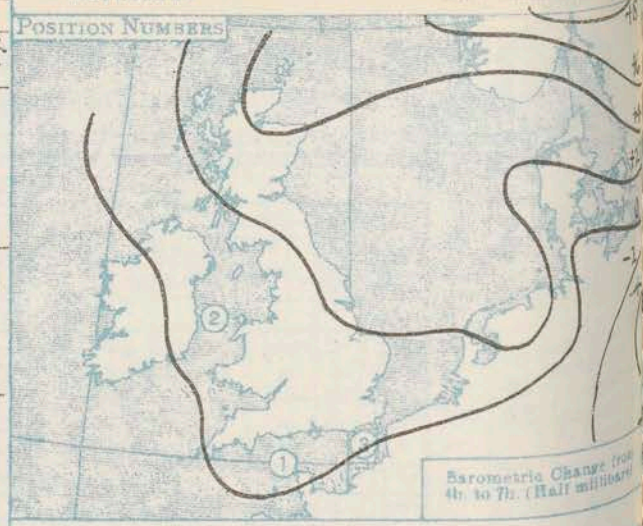
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[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. 28th	13h.–18h. 28th	18h. 28th 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	cmdq	oq	cq/p	oq/p	50	41	•	0.5	2	L0800	<2100	0.0
Stornoway	r-d	r.d	c	op	52	47	•	3	3	–	–	0.0
Wick	op.d	oq	o	o	52	44	•	0.1	–	L0800	–	•
Castlebay	dap	dprro	opo	o	52	51	•	1	Trace	–	–	0.0
Nairn	cbcq	cq	cqbc	cqo	54	50	•	–	–	–	–	1.8
Aberdeen	b-bc	cq	cq/bcq	coq	55	48	43	–	–	–	–	0.6
Malin Head	mme	ome	midz	coez	51	49	•	–	0.2	–	<2100	0.0
Renfrew	ooq	omd.d.	Omd.	o	53	50	47	0.8	0.1	1430	–	0.0
Edinburgh (Inchkeith)	oo	oo	o	cbc	53	49	47	–	Trace	–	–	1.2
Leuchars	co	c			56			–		–		
Eskdalemuir	oo	o ad.m	odmo	oco	51	46	45	0.3	0.4	1430	<2100	0.0
Tynemouth	omp.q	m	omq	cm	54	50	45	0.7	–	L0800	–	•
Blacksod Point							•					•
Donaghadee	bcq	bcq	cq/p	bcq	53	49	•	Trace	0.5	L0800	22.00	•
Birr Castle	co	coz			51			–		–		
Holyhead	oco	oco	cbcco	ocbcb	52	48	47	–	–	–	–	0.9
Liverpool (Bidston)	odcq	co	cbcdq		50	45	40	–	Trace	–	<2100	0.6
Chester (Shotwick)	or.mzp	ocomq	omcbc	bbccopb	52	49	44	Trace	0.1	L0800	01.30	•
Spurn Head	bcz	cq	c	c	50	47	•	Trace	–	L0800	–	0.8
Nottingham	oo	oo	o	o	54	50	47	–	–	–	–	0.0
Cranwell	or.rm	cbcm	om	o	53	46	45	0.2	–	L0800	–	0.0
Gorleston	orc	am	bbcc	c	52	43	39	5	–	L0800	–	0.0
Valencia (Cahirciveen)	bbcc	co	bc	o	52	49	45	–	–	–	–	0.3
Roches Point							•					•
Pembroke (St. Ann's H.)	op.do	ocbc	c	bbc	51	48	•	0.2	–	L0800	–	1.3
Ross-on-Wye	oqo	oco	cqobcrq	obccb	54	47	42	–	–	–	–	0.4
Benson	o	o	o	o	53	41	32	–	–	–	–	•
Andover	o.	cbc	bbc	bccom	51	40	31	–	–	–	–	0.2
S. Farnborough	oomr	ac	cbcc	co	53	45	33	Trace	–	L0800	–	0.0
London (Kew Obsy.)	ombm	or.mbm	bmbo	obo	54	45	38	0.1	–	0900	–	0.0
Croydon	omr.o	ambc	obcmz	bcomz	52	43	39	Trace	–	0900	–	0.0
Clacton-on-Sea	agmr	agmbcm	bcbm	bmbcc	52	45	41	2	–	0900	–	0.0
Shoeburyness	oid	aid.cbcb	bbcc	co	53	46	43	0.1	–	–	–	0.0
Grain	omiro	amb q	bqbcc	oo	53	44	39	0.2	–	0900	–	0.0
Lympne	omm.o	m.amr.o	om bcbc	bbccom	51	41	39	1	–	L0800	–	0.0
Scilly (St. Mary's)	bc	bcb	b	c	52	49	•	–	–	–	–	6.0
Falmouth (Pendennis)	bco	acbc	bcb		52	47	•	–	–	–	–	2.4
Plymouth (Cattewater)	oo	c						–		–		
Portland Bill	oo	abc	bc	bbc	53	40	•	–	–	–	–	•
Southampton (Calshot)	oo	c	ocbcbb	bbo	53	42	39	–	–	–	–	0.1
Dungeness	opr	c	bbc	bbc	51	43	•	0.3	–	L0800	–	•
Jersey 7h / Guernsey 1h	aco	acb	o	b	54	48	•	–	–	–	–	0.3

29th November



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	28th. 10h.	Anglia	W.N.W	5	og	51	53	7
1	28th. 13h.	Reindeer	WNW.	6	o+	53	54	7
3	29th. 3h.	Brighton	NW.	6	b-	47	50	8

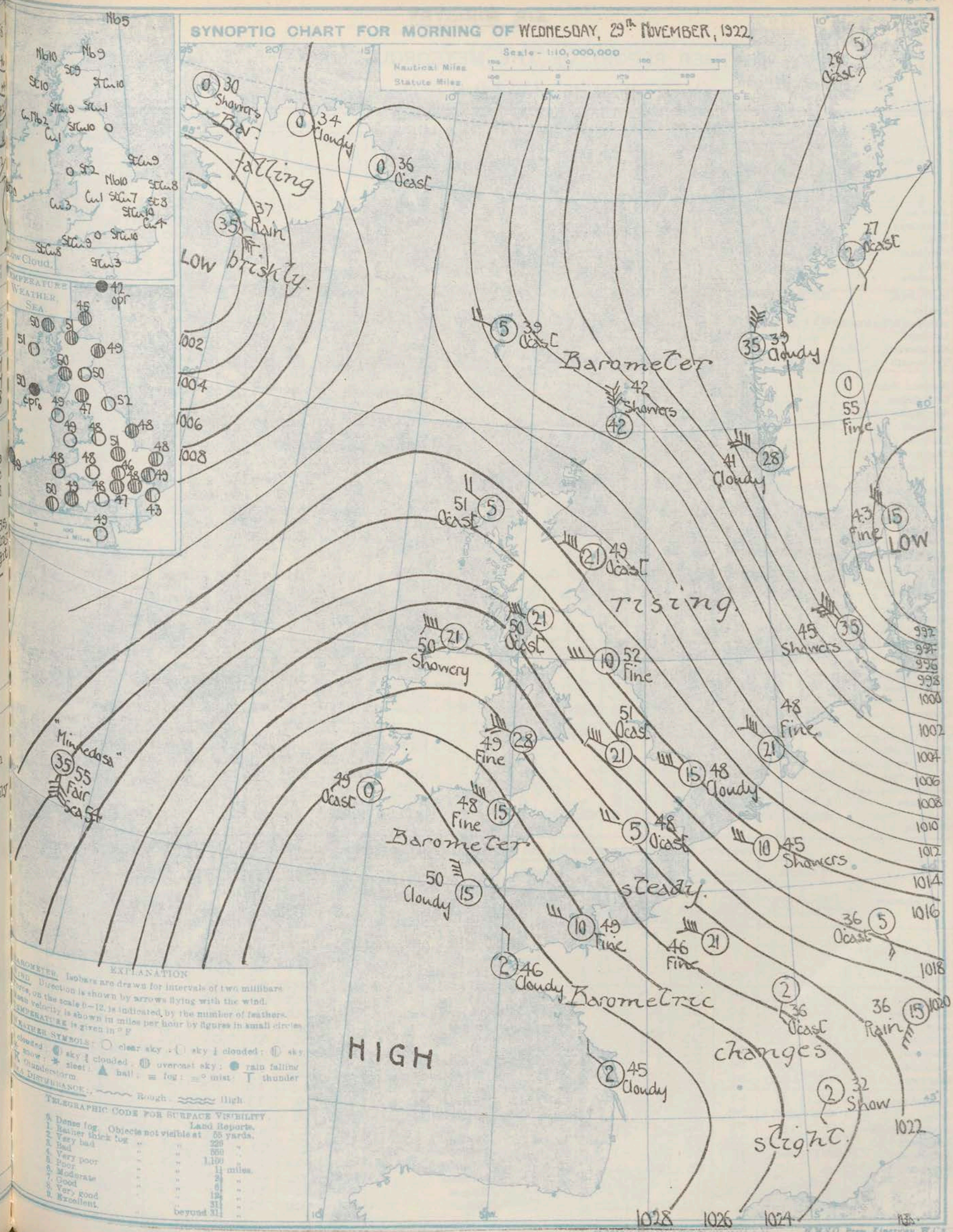
General Inference.

The distribution of pressure and temperature over the Atlantic is favourable for a spell of mild weather over the British Isles with westerly or Southwesterly winds; these conditions probably continue for two or three days, but a slight fall of temperature is likely to-day in Scotland and NE England. During the next 24 hours slight occasional rain may be expected with considerable fair periods.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 29th November, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Moderate or fresh winds from between W & NW, backing towards SW; mainly cloudy, but fair periods; occasional slight rain in places; visibility moderate or good; mild.	Wind between SW & W, mainly cloudy but probably not much rain, mild.
7. North Wales 8. N.W. England 9. N. Midlands	Moderate or fresh W winds, backing to SW; mainly cloudy, occasional slight rain; visibility moderate or good; mild.	----------
10. N.E. England 11. E. Scotland 12. S.W. Scotland	Moderate or fresh W wind; backing to SW; mainly cloudy, but some bright intervals; visibility moderate or good; moderate temperature at first, then mild.	▼ South Cone flying in District 16.
13. Isle of Man	As 7 to 9	
14. N. & N.W. Scotland	As 10 to 12	
15. Hebrides	As 7 to 9	
▼ 16. Orkneys and Shetlands	Wind NW strong to a gale at first, moderating later;	
17. N.W. Ireland 18. N.E. Ireland	mainly cloudy; some showers, visibility moderate to good; rather cold, then mild again.	
19. S.E. Ireland 20. S.W. Ireland	Moderate or fresh W to SW winds; mainly cloudy, occasional slight rain; visibility moderate or good; mild.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.30. LVN G. C. Simpson, F.R.S., Director.

For Code see opposite page.


SYNOPTIC CHART FOR MORNING OF WEDNESDAY, 29th NOVEMBER, 1922.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
Low Cloud.
TEMPERATURE
WEATHER
SEA
Bar. falling
Low briskly.
Barometer
rising.
Barometer steady.
Barometric changes
slight.
HIGH
LOW
"Minnedosa"
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars
WIND. Direction is shown by arrows flying with the wind.
Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in° F
WEATHER SYMBOLS: clear sky; sky ½ clouded; sky clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY
Land Reports.
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 " " 11 miles.
5. Poor " " 2½ "
6. Moderate " " 6 "
7. Good " " 12 "
8. Very good " " 31 "
9. Excellent. " beyond 31 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... Wednesday, 29th November ...1922. No. [illegible]

Observations at 0100 G.M.T. ... 29th ...

Stations.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1003.2	+5	WNW	8	oPR	44	85	6	4000	Nb	10	-	10	.
Stornoway	1014.8	+2	NW	5	0	.	.	5	.	.	.	.	.	.
Wick	1008.6	+3	WNW	7	0	47	95	8	4000	Nb	10	-	10	.
Castlebay	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nairn	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Aberdeen	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Malin Head	1021.3	-1	WNW	6	o/r	51	85	7	5700	StCu	9	-	9	.
Renfrew	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Edinburgh (Inchkeith)	1013.1	0	WSW	5	o	51	92	8	-	St	4	ASt	10	.
Leuchars	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eskdalemuir	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Tynemouth	1013.1	-2	WNW	4	c-	51	85	6	4000	Cu	4	CiCu	7	.
Blacksod Point ...														.
Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Holyhead	1023.2	-2	W'N	6	o	51	92	8	4000	StCu	10	-	10	.
Liverpool (Bidston) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chester (Shotwick) ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spurn Head	1013.9	-2	W	7	c	48	92	7	4000	StCu	5	ASt	8	.
Nottingham	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cranwell	1019.2	0	W'N	5	o	49	92	6	2500	St	10	-	10	.
Gorleston	1016.5	-1	W'N	4	c+	46	92	7	5700	StCu	8	-	8	.
Valencia (Cahirciveen)	1020.7	-3	NW	3	bc	50	97	9	-	-	0	ASt	6	.
Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pembroke (St. Ann's H.)	1020.4	-2	WNW	4	bc-	50	85	8	4000	Cu	4	-	4	.
Ross-on-Wye	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Benson...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Andover	.	.	.	.	.	.	.	.	.	.	.	.	.	.
S. Farnborough ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
London (Kew Obsy.)...	.	.	.	.	.	47	.	.	.	.	.	.	.	.
Croydon	1021.4	-2	W'N	4	bc-	48	95	6	1500	St	5	-	5	.
Clacton-on-Sea ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Shoeburyness... ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Grain	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lympne	1019.9	-1	NW	4	b	43	92	6	2500	StCu	3	-	3	.
Scilly (St. Mary's) ...	1029.6	-2	NW	4	c	50	85	8	4000	StCu	8	-	8	.
Falmouth (Pendennis)														.
Plymouth (Cattewater)	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Portland Bill	1025.1	-1	W'N	6	b	47	85	7	-	-	0	CiCu	2	.
Southampton (Calshot)	1023.6	-3	WSW	4	b	46	92	8	-	-	0	-	0	.
Dungeness	1019.0	-2	W	3	b	45	92	8	-	-	0	-	0	.
Jersey 7h }	1026.6	-2	WNW	5	bc	49	92	6	7200	StCu	5	-	5	.
Guernsey 1h }														

Observations at 0700 G.M.T. ... 29th ...

Stations.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1007.2	+5	WNW	8	obr.	42	95	7	4000	Nb	5	ASt	10	7
Stornoway	1015.5	+2	NW	2	d	50	85	6	1500	Nb	10	-	10	2
Wick	1011.2	+4	WNW	6	o	45	92	8	4000	Nb	9	-	9	6
Castlebay	1019.6	+1	W	4	o	51	92	6	1500	St	10	-	10	4
Nairn	1013.9	.	W	4	o+	51	85	8	1500	St	9	-	9	.
Aberdeen	1012.5	+2	NWN	5	o+	49	85	7	4000	StCu	10	-	10	1
Malin Head	1022.3	0	WNW	5	cbr.	50	92	7	7200	CuNb	2	ACu	7	5
Renfrew	1017.3	+2	W	5	o	50	85	7	2500	StCu	9	-	9	4
Edinburgh (Inchkeith)	1014.4	+2	W	4	b-	50	85	8	-	StCu	1	CiSt	3	.
Leuchars														
Eskdalemuir	1016.0	0	WNW	6	o	47	85	6	2500	StCu	10	-	10	.
Tynemouth	1014.8	+2	W	3	b-	52	85	6	-	-	0	ACu	2	1
Blacksod Point ...														3
Donaghadee	1022.1	+1	WNW	3	b	49	85	8	4000	Cu	1	ACu	2	.
Birr Castle		.												5
Holyhead	1023.5	+1	W'N	6	b	49	92	8	-	-	0	ASt	2	7
Liverpool (Bidston) ...	1020.8	0	W	7	b/r	48	92	8	2500	St	2	-	2	.
Chester (Shotwick) ...	1022.3	+2	W'N	5	c+	49	85	4	2500	St	8	-	8	.
Spurn Head	1015.4	+2	W	6	o	48	92	7	4000	StCu	9	-	9	6
Nottingham	1018.4	.	NW	5	o	51	95	6	1500	Nb	10	-	10	.
Cranwell	1018.4	0	WNW	3	o	50	92	7	1500	St	10	-	10	.
Gorleston	1016.1	0	W'N	4	c-	48	92	6	4000	StCu	8	-	8	0
Valencia (Cahirciveen)	1029.0	-1	-	0	o	49	95	7	4000	St	10	-	10	2
Roches Point														4
Pembroke (St. Ann's H.)	1026.3	0	NW	4	b	48	85	8	2500	Cu	3	-	3	.
Ross-on-Wye	1022.8	0	W'N	3	b	48	85	8	4000	Cu	1	Ci	3	.
Benson...	1021.6	0	W	3	c-	46	92	7	-	StCu	7	-	7	.
Andover	1022.8	0	W	4	o	45	97	6	800	StCu	10	-	10	.
S. Farnborough ...	1021.4	0	W'N	3	o	47	85	7	2500	StCu	10	-	10	.
London (Kew Obsy.)...	1020.9	+1	WNW	2	o	48	85	7	2500	StCu	10	-	10	.
Croydon	1021.2	+1	WNW	3	o	47	85	6	1500	StCu	10	-	8	0
Clacton-on-Sea ...	1017.7	+1	WNW	4	c+	49	92	7	4000	St	8	-	10	.
Shoeburyness... ...	1019.3	0	NW	5	o	50	85	7	1500	StCu	8	ASt	10	3
Grain	1019.5	+1	W'N	4	o	49	85	7	2500	StCu	10	-	10	.
Lympne	1019.6	0	NW	4	o	45	92	6	800	St	10	-	10	.
Scilly (St. Mary's) ...	1028.9	0	NNW	4	c	50	95	8	4000	StCu	8	-	8	5
Falmouth (Pendennis)	1027.7	0	NW	3	o+	49	95	8	5700	StCu	9	-	9	0
Plymouth (Cattewater)														
Portland Bill	1025.1	0	WNW	5	b	48	95	7	-	-	0	CiCu	2	5
Southampton (Calshot)	1023.4	0	W	4	o+	45	92	6	2500	StCu	10	-	10	0
Dungeness	1019.6	-1	WNW	4	bc+	43	97	8	4000	Cu	4	-	4	3
Jersey 7h }	1026.0	0	WNW	3	b	49	85	7	4000	StCu	3	-	3	3
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR ... Tuesday, 28th Nov. 1922.

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 27-28th °F.	Temperature. Max. Day. 28th °F.	Rainfall.† Night 17h.-9h. 27th-28th mm.	Rainfall.† Day 9h.-17h. 28th mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 28th hr.
Banff								0.0
Montrose	-	-	40	57	-	-		2.4
Llandudno	o	c	40	51	0.3	-		0.4
Colwyn Bay ...	c	c	42	51	2	-		0.0
Rhyl...	o	co	36	51	1	-		0.4
Southport	doc	co	41	50	0.3	-		0.7
Blackpool	oc	ou	41	52	0.4	-		0.4
Harrogate	o	oco	34	52	1	-		0.2
Skegness	roc	cbcb	34	54	1	-		0.7
Aberystwyth ...	roc	o	41	51	3	-		0.0
Bath	o	oc	39	53	-	.		0.0
Leamington Spa ...	o	o	32	52	-	0.1		0.0
Lowestoft	oro	ocb	33	52	2	3		0.0
Felixstowe	omr	opoc	33	52	1	1		0.0
Southend	o	or.	30	53	0.2	0.2		0.0

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 27-28th °F.	Temperature. Max. Day. 28th °F	Rainfall.† Night 17h.-9h. 27-28th mm.	Rainfall.† Day 9h.-17h. 28th mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 28th hr.
Paignton	oco	ob	43	53	-	-		0.0
Ilfracombe	o	o	48	51	0.1	-		0.6
Bude	oc	cbcb	47	54	-	-		1.0
Penzance	c	cbcb	46	53	-	-		2.9
Falmouth Observatory	obcc	cbcb	43	53	-	-		0.2
Torquay	o	bc	43	54	-	-		0.3
Weymouth	c	bc	38	54	0.2	-		0.3
Bournemouth	bc	bc	34	52	-	-		0.1
Portsmouth (S'thsea)	o	o.	33	53	-	-		0.0
Worthing	o	oc	30	53	-	-		0.0
Brighton	o	o	33	53	-	-		0.0
Eastbourne	ooc	bc	34	53	0.2	-		0.0
Hastings	op.o	oc	31	53	0.3	0.4		0.0
Folkestone	r.o	c	33	52	0.3	1		0.0
Tunbridge Wells ...	o	ooc	29	52	0.3	-		0.0
Ramsgate	oro	orc	41	49	1	2		0.0
Margate	or	oe	34	49	1	1		0.0
Deal	mor	rcb	32	51	1	1		0.0

* 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. 22288 Thursday, 30th November 1922.

Observations at 1300 G.M.T. 29th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1011·0	+2	NNW	4	o	42	75	7	5700	StCu	9	-	9	*
Stornoway	1016·7	+1	NW	3	o	51	85	6	800	St	10	-	10	*
Wick	1013·6	+1	NW	3	ofo+	47	97	7	450	St	7	ACu	10	*
Castlebay	1020·5	0	W	4	c	51	75	7	2500	StCu	7	-	7	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1014·9	+1	NW	4	bc	50	85	7	2500	StCu	1	CiCu	4	1
Malin Head	1022·7	0	WNW	4	o	51	85	8	5700	StCu	9	-	9	*
Renfrew	1019·1	-1	W	5	bc+	53	75	8	2500	StCu	5	·	5	0
Edinburgh (Inchkeith)	1017·6	+3	W	3	b	51	75	7	*	Cu	3	·	3	*
Leuchars	1017·0	+2	W	3	c	53	65	8	4000	StCu	7	·	7	0
Eskdalemuir	1020·0	?	NW	3	c	50	65	7	2500	StCu	7	·	7	0
Tynemouth	1017·7	+2	W	2	b	52	75	6	-	-	0	ACu	2	*
Blacksod Point														*
Donaghadee	1022·5	+1	WNW	3	b	52	75	8	·	·	0	ACu	2	*
Birr Castle	1026·8	*	SW	1	o-	49	85	7	2500	St.Cu	9	-	9	*
Holyhead	1024·2	0	WNW	5	c	50	85	8	4000	StCu	3	ACu	7	0
Liverpool (Bidston)	1022·0	+1	W	5	b	49	85	7	2500	StCu	3	-	3	*
Chester (Shotwick)	1022·9	+1	WNW	6	b-	51	85	7	1500	St	2	·	2	0
Spurn Head	1018·0	+3	W	4	o	48	85	6	4000	StCu	9	-	9	*
Nottingham	1020·9	*	NW	4	b-	53	75	6	-	·	0	Ci	2	*
Cranwell	1020·5	+1	NW	4	c	50	85	6	4000	StCu	2	ACu	8	
Gorleston	1019·1	+2	NW'N	4	c+	52	85	6	4000	StCu	8	·	8	*
Valencia (Cahirciveen)	1028·1	-2	S	1	o	49	85	8	2500	St.Cu	10	-	10	1
Roches Point														*
Pembroke (St. Ann's H.)	1026·3	-1	NW	4	b	50	75	8	-	-	0	-	0	*
Ross-on-Wye	1023·3	-1	WNW	3	b	53	65	8	4000	Cu	1	Ci	3	0
Benson	1022·7	0	WNW	4	c	51	75	7	*	Cu	7	-	7	1
Andover														
S. Farnborough	1022·6	+1	NW	3	b-	53	65	7	-	-	0	Ci	3	0
London (Kew Obsy.)	1022·2	0	NW	4	o+	52	65	8	2500	StCu	10	-	10	1
Croydon	1022·3	0	NW'N	2	o	51	75	6	4000	StCu	9	-	9	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1020·9	+1	NW	5	bc-	53	75	7	-	·	0	ASt	6	*
Grain	1020·9	+1	WNW	5	c-	52	75	7	-	·	0	Ci	9	1
Lympne	1020·9	-1	WNW	3	c	50	75	5	-	·	0	Ci	7	1
Scilly (St. Mary's)	1028·7	-1	NW'N	2	o	52	65	8	4000	StCu	10	·	10	*
Falmouth (Pendennis)	1028·0	+1	NW	4	bc-	52	65	8	4000	Cu	6	·	6	*
Plymouth (Cattewater)	1026·8	·1	NW	4	bc	52	65	8	2500	Cu	5	·	5	0
Portland Bill	1025·8	+1	WNW	4	b	51	75	7	-	·	0	CiCu	2	*
Southampton (Calshot)	1023·3	-1	NW	4	bc	52	75	7	-	·	0	CiSt	4	0
Dungeness	1021·4	+2	WNW	3	c+	51	85	7	4000	Cu	2	CiCu	7	*
Jersey 7h / Guernsey 1h	1026·3	0	WNW	3	o	52	85	7	4000	St.Cu	10	-	10	*

Observations at 1800 G.M.T. 29th

Stations	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1013·2	+3	NW	2	o+	41	85	7	-	-	0	A.St	10	1
Stornoway	1017·1	+0	WSW	2	bc	47	75	6	4000	Cu	4	-	4	1
Wick	1015·2	+2	NW	3	c/r	48	92	8	5700	St.Cu	8	-	8	1
Castlebay	1020·0	0	W	3	bc/r	49	85	7	2500	St.Cu	5	-	5	4
Nairn	1018·2	*	W	1	c	47	85	8	4000	Cu	4	Ci.Cu	7	*
Aberdeen	1017·8	+4	NWW	3	c	49	85	7	4000	St.Cu	8	-	8	0
Malin Head	1022·3	0	WSW	4	c	47	92	8	5700	St.Cu	8	-	8	4
Renfrew	1021·6	+3	W	3	o+	46	85	6	2500	St.Cu	10	-	10	*
Edinburgh (Inchkeith)	1020·3	+2	W	3	bc	48	85	7	-	-	0	A.Cu	4	2
Leuchars	1019·2	+3	W	2	b	45	85	8	-	-	0	A.St	3	*
Eskdalemuir	1022·4	+4	W'N	3	bc	42	85	8	4000	St.Cu	4	-	4	*
Tynemouth	1019·7	+3	W	2	bc	48	85	6	4000	Cu.Nb	2	A.Cu	4	3
Blacksod Point														
Donaghadee	1023·2	+1	WNW	1	c+	48	85	8	4000	St.Cu	3	A.St	8	1
Birr Castle	1026·2	*	SW	1	o	46	85	6	2500	St.Cu	9	-	9	*
Holyhead	1025·1	+2	W'N	5	b	50	85	8	1500	Cu	1	A.St	3	4
Liverpool (Bidston)	1024·1	+3	W	5	bc	47	92	8	-	-	0	Ci.St	4	6
Chester (Shotwick)	1024·1	+2	W'N	5	bc	48	92	7	4000	Cu	2	A.Cu	4	*
Spurn Head	1020·8	+2	W	4	o	46	92	6	4000	St.Cu	10	-	10	4
Nottingham	1022·4	*	WNW	3	b	48	85	6	-	-	0	A.Cu	2	*
Cranwell	1022·3	+2	W	3	bc	44	97	5	4000	St.Cu	4	A.Cu	5	*
Gorleston	1020·3	+1	NW	3	o	49	75	6	4000	St.Cu	9	-	9	0
Valencia (Cahirciveen)	1026·7	0	SSW	2	c-	47	85	8	2500	St.Cu	8	-	8	4
Roches Point														
Pembroke (St. Ann's H.)	1026·3	+1	NW	3	b	49	85	8	-	-	0	-	0	4
Ross-on-Wye	1024·7	+2	SW	1	b	45	85	8	-	-	0	-	0	*
Benson	1024·0	+2	NW	1	b	39	92	8	*	-	0	-	0	*
Andover	1024·5	+1	W	3	b	41	92	6	-	-	0	-	0	*
S. Farnborough	1024·3	+2	NW	2	b	39	92	7	-	-	0	-	0	*
London (Kew Obsy.)	1024·0	+3	WNW	2	mb+	46	85	5	-	-	0	-	0	*
Croydon	1023·7	+2	W	2	b	44	85	5	-	-	0	-	0	*
Clacton-on-Sea	1021·9	+4	W	3	c	48	92	6	4000	Cu	8	-	8	1
Shoeburyness	1022·5	+3	NW	3	c+	47	85	7	2500	Cu	8	-	8	*
Grain	1023·0	+3	W	4	b	44	92	6	-	-	0	A.Cu	3	0
Lympne	1022·7	+1	NW	3	bcm	44	85	4	-	-	0	A.Cu	4	*
Scilly (St. Mary's)	1028·6	0	NW'N	2	o	52	65	8	4000	St.Cu	10	-	10	3
Falmouth (Pendennis)	1028·2	+1	NW	3	b	46	75	7	4000	Cu	2	Ci	3	0
Plymouth (Cattewater)	1027·1	+1	-	0	b	46	92	7	-	-	0	A.Cu	1	0
Portland Bill	1025·8	0	WNW	4	b	47	75	7	-	-	0	-	0	3
Southampton (Calshot)	1023·7	+1	W	3	b	45	92	8	-	-	0	A.Cu	1	0
Dungeness	1022·6	+2	WNW	3	c	43	97	7	-	-	0	A.Cu	7	3
Jersey 7h / Guernsey 1h	1026·9	0	WNW	3	b	48	85	7	-	-	0	Ci.Cu	1	3

LONDON OBSERVATIONS — 24 Hours ended 0900 G.M.T. 30th (Sunshine and Humidity 15h.: Yesterday; Humidity 9h.: To-day)

London Observations	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. %
Kew	obco	bcbmw	cmwom	*	*	34	tr	-	0·3	*	*
Croydon (24 hours ended 0700)	ommz	bbcbz	bcomn	*	*	33	-	-	0·0	*	*
Greenwich (Royal Obsy.)	o	cbzm	bczfbom	52	43	30	-	-	0·3	71	88
City (Bunhill Row)	*	*	*	*	*	*	*	*	0·0	*	*
Westminster (St. James' Pk.)	*	*	*	53	42	33	-	-	0·0	74	90
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	0·6	*	*
Camden Square	o	c	*	52	44	39	-	-	*	*	88
Kensington Palace	bcb	bb	*	52	44	35	-	-	*	(15h) 79	86
Hampstead Observatory	*	*	*						1·0	*	

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 29th

South Kensington Max.	Time.	Min.	Time.
0·6 1·0	1900. 28th 0800 29th	0·3	1-3h. 29th

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

POLE STAR RECORD at Greenwich Obsy.

Exposure from 29th 17 h. 00 m. to 30th 06 h. 30 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13·30	2·38	
δ Ursae Minoris	13·30	2·31	

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 likely in 1300 & 1800 reports (hoar frost in 0900 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 freezing rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	5	-	175°
18h.	C	5	-	140
01h.	C	6	-	35
07h.	C	5	-	155

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

30th Nov. / 1st December, 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·41 7·42	11·42 11·42	3·43 3·43
Greenwich	7·44 7·45	11·49 11·49	3·54 3·54
Wick	8·37 8·38	12·1 12·1	3·25 3·25
Valencia	8·27 8·28	12·30 12·30	4·32 4·32

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.
jp 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.

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.

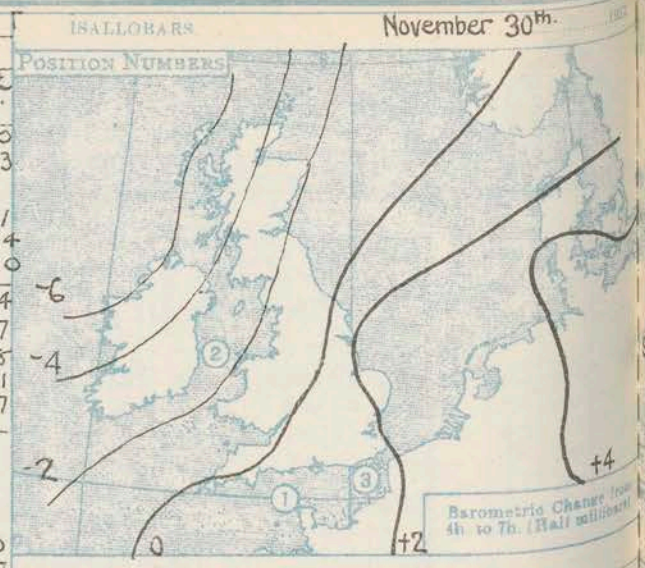
0 = no swell, 1 = mod. swell, 2 = heavy swell — Calm or slight sea.
3 = no swell, 4 = mod. swell, 5 = heavy swell — Moderate sea.
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

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. 29th	13h.-18h. 29th	18h. 29th to 1h. 30th	1h.-7h. 30th	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. 29th Hours.
Lerwick	oq	c	oo	or	42	40	•	trace	2	<0800	1.38	0.0
Stornoway	oo	c	c	oo	51	44	•	-	-	-		0.3
Wick	oir	arr	oo	oo	49	42	•	3	-	1100	-	•
Castlebay	oc	copbc	bcob	bb	51	48	•	0.1	1	-	-	0.1
Nairn	oqc	cq	cbcp	bc	51	42	•	-	0.2	-	2200	0.4
Aberdeen	prcq	bqpor	cbcb	bm	51	40	30	0.6	-	<0800	—	2.0
Malin Head	coz	cop	cop	cov	51	43	•	trace	trace	1630	2400	1.4
Renfrew	c	bbca	omrp		53	44	40	-	0.5	-	<2100	4.7
Edinburgh (Inchkeith)	bc	bc	p	c	52	44	40	-	trace	-	6.30	4.5
Leuchars	c	cbc	or		53	37	29	-	trace	-	<2100	4.1
Eskdalemuir	oc	cbc	bcodmo	oco	51	39	34	-	1	-	<2100	1.7
Tynemouth	bcm	bcm	m	bcm	53	41	35	-	-	-	-	•
Blacksod Point ...							•					•
Donaghadee	bcq	bc	bcp	bcp	52	42	•	-	0.5	-	2200	•
Birr Castle ...	copor	copor	co	co	49	42	37	trace	-	1100	-	•
Holyhead	bbcc	cbcb	bcbco	ocr	51	45	42	-	0.3	-	6.30	1.0
Liverpool (Bidston) ...	b-bc	bc	bcq		50	44	33	-	-	-	-	5.7
Chester (Shotwick) ...	cbcmq	bqbcq	bcqbc	bcoff	52	43	35	-	-	-	-	•
Spurn Head	c	c	b-bc	c	49	43	•	-	-	-	-	1.7
Nottingham	c	bbc	cb	c	53	37	37	-	-	-	-	0.8
Cranwell	romc	cbbcm	c	bifcrm	51	41	39	trace	-	0900	-	3.5
Gorleston	coc	cz	c	cz	53	42	40	-	-	-	-	0.0
Valencia (Cahirciveen)	o	oc	c	oo	49	46	44	-	trace	-	-	0.0
Roches Point							•					•
Pembroke (St. Ann's H.)	b-bc	bbc	oo	obrq	51	46	•	-	0.2	-	3.30	6.4
Ross-on-Wye	bcb	bbcb	bw	bcom	53	33	28	-	-	-	-	6.5
Benson...	c	bcb	oc	bcco	52	33	27	-	-	-	-	•
Andover		bm	bmbcm	cnoff	53	33	25	-	-	-	-	5.5
S. Farnborough ...	ocb	bcocb	bo		53	34	30	-	-	-	-	3.0
London (Kew Obsy.)...	obco	bcomw	cmwom	owomw	52	43	34	trace	-	-	-	0.3
Croydon	ommz	obcbj	bomm	om	51	43	33	-	-	-	-	0.0
Clacton-on-Sea ...	cpcm	cm	cm	com	53	44	41	trace	-	1100	-	1.0
Shoeburyness... ...	ocbc	bcbbcc	om	om	54	42	39	-	-	-	-	1.7
Grain	oomc	bcbm	bmbcc	cmom	53	42	35	-	-	-	-	2.3
Lympne	p	cbcm	bcmco	omom	51	39	34	0.1	-	0900	-	2.6
Scilly (St. Mary's) ...	co	o	oo	bc	52	46	•	-	trace	-	6.30	0.0
Falmouth (Pendennis)	ocbc	bcb	om	o	53	46	•	-	-	-	-	5.7
Plymouth (Cattewater)	bc	b	b	oo	53	43	38	-	-	-	-	5.2
Portland Bill	b-bc	bbc	b-bc	bo	52	42	•	-	-	-	-	•
Southampton (Calshot)	b-bc	b	bcwcw	c	53	37	33	trace	-	-	-	5.0
Dungeness	c	c	b-bc	oo	51	37	•	-	-	-	-	•
Jersey 7h } ...	bco	ocb	b-bc	bwo	53	40	•	-	-	-	-	1.9
Guernsey 1h }												



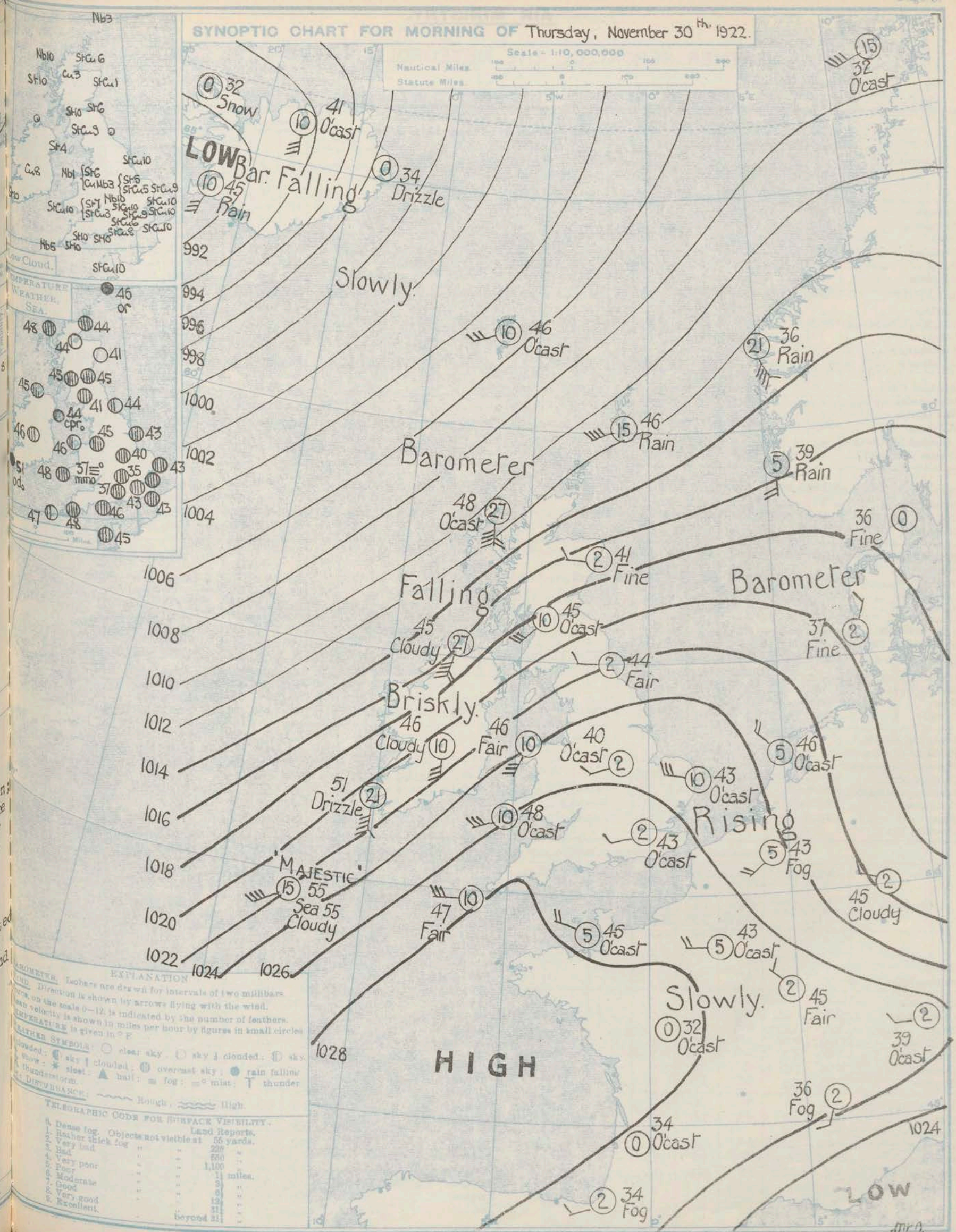
Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.	Pressure
2	29th 1000	Anglia	W's	5	b	49	53	8

GENERAL INFERENCE.

Conditions remain favourable for continued mild weather over the British Isles with southwesterly winds which may reach gale force in the northwest. Some rain or drizzle is probable in Scotland, Ireland and N.W. England which may spread Southeast later.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Thursday, 30th November, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Moderate SW wind, freshening; cloudy, slight rain or drizzle not unlikely later; visibility moderate or good; mild	Mild in the South, probably without much rain; mainly mild in the north but rather colder at times.
5. S.W. England 6. South Wales	Wind SW, fresh or strong at times; cloudy, occasional slight rain or drizzle; visibility moderate or good; mild	
✝7. North Wales ✝8. N.W. England	Wind SW, fresh to strong, probably reaching gale force at times on the coast; sky mainly overcast, occasional rain or drizzle; visibility moderate or good; mild.	✝ South cone hoisted at 8.30 a.m. in districts 7, 8 and 12 to 18.
9. N. Midlands 10. N.E. England 11. E. Scotland	Same as 5 to 6	
✝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 S to SW, fresh or strong, a gale in places; sky mainly overcast, occasional rain or drizzle; visibility moderate or good; mild.	
19. S.E. Ireland 20. S.W. Ireland	Wind S or SW, fresh to strong at times; sky mainly overcast, occasional rain or drizzle, visibility moderate or good; mild.	


SYNOPTIC CHART FOR MORNING OF Thursday, November 30th 1922.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
Bar. Falling
Slowly
Barometer
Falling
Briskly.
Slowly.
Barometer
Rising
HIGH
LOW
'MAJESTIC'
992
994
996
998
1000
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
1028
0 32 Snow
10 41 O'cast
10 45 Rain
0 34 Drizzle
10 46 O'cast
21 36 Rain
15 46 Rain
5 39 Rain
15 32 O'cast
48 O'cast 27
36 Fine 0
2 41 Fine
45 O'cast 10
37 Fine 2
45 Cloudy 27
2 44 Fair
46 Cloudy 10
46 Fair 10
40 O'cast 2
5 46 O'cast
51 Drizzle 21
10 43 O'cast
10 48 O'cast
2 43 O'cast
5 43 Fog
2 45 Cloudy
15 55 Sea 55 Cloudy
10 47 Fair
5 45 O'cast
5 43 O'cast
2 45 Fair
0 32 O'cast
2 39 O'cast
36 Fog 2
0 34 O'cast
2 34 Fog
1024
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: clear sky; sky ¼ clouded; sky clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
Land Reports.
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 " " 1 miles.
5. Poor " " 3
6. Moderate " " 6
7. Good " " 12
8. Very good " " 31
9. Excellent. " " Beyond 31
Low Cloud.
TEMPERATURE WEATHER. SEA.
Mr O.
H.M.S.O. Press, Kingsway, W.C.2.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... Thursday, 30th November ... 1922. No. 334

Observations at 0100 G.M.T. 30th

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1014·3	0	W	2	ojp	37	92	7	4000	Nb	4	ASt	10	•
Stornoway	1016·9	−2	WSW	1	bc	•	•	6	•	•	•	•	•	•
Wick	1015·8	−1	WSW	3	o	45	97	8	5700	StCu	10	–	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1020·7	−2	S	4	cp.	45	85	8	7200	CuNb	4	ACu	7	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1020·9	0	W	4	o+	45	92	7	–	StCu	10	–	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1022·1	+1	W	2	b	43	85	6	–	–	0	–	0	•
Blacksod Point ...														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1025·5	0	WSW	3	o	49	65	8	4000	StCu	10	–	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1022·8	+1	W	4	bc	45	92	6	–	StCu	2	CiSt	3	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1024·7	+3	W	3	o	43	65	6	4000	StCu	8	ACu	10	•
Gorleston	1023·4	+2	W'N	3	o+	45	85	6	4000	StCu	9	–	9	•
Valencia (Cahirciveen)	1024·0	−3	WSW	3	c+	50	85	9	–	StCu	8	–	8	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1026·9	0	–	0	o	48	85	8	4000	StCu	10	–	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	44	•	•	•	•	•	•	•	•
Croydon	1026·0	+2	W	2	o	44	85	6	1500	St	10	–	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1025·4	+2	NW	3	o	42	97	5	1500	StCu	10	–	10	•
Scilly (St. Mary's) ...	1028·1	0	–	0	o	49	65	8	4000	StCu	10	–	10	•
Falmouth (Pendennis)														•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1026·2	0	NW	3	b	44	75	7	–	–	0	–	0	•
Southampton (Calshot)	1027·0	+2	NW	3	c+	42	92	6	4000	StCu	8	–	8	•
Dungeness	1024·8	+2	NW	3	o+	40	97	7	4000	StCu	9	–	9	•
Jersey 7h }	1027·8	+1	NNW	1	o	47	92	8	5700	StCu	10	–	10	•
Guernsey 1h }														

Observations at 0700 G.M.T. 30th

STATIONS.	Barom. at M.S.L. m.b	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	Sea. 0-9
Lerwick	1011·8	−2	WSW	4	or	46	97	7	2500	Nb	3	ASt	10	3
Stornoway	1011·0	−6	S	6	o	48	85	6	1500	Nb	10	–	10	4
Wick	1013·1	−3	SSW	3	o	44	92	8	4000	StCu	6	ACu	9	0
Castlebay	1012·6	−5	SSW	6	op.	49	85	6	1500	St	10	–	10	6
Nairn	1014·2	•	W	2	b	44	92	8	4000	Cu	3	–	3	•
Aberdeen	1017·3	−2	W	1	b	41	92	6	4000	StCu	1	–	1	0
Malin Head	1015·0	−6	SSW	6	c+	45	85	8	–	–	0	ASt	8	4
Renfrew	1019·1	−3	SW	3	o/r	45	85	6	4000	St	10	–	10	•
Edinburgh (Inchkeith)	1019·4	−2	SW	4	o	45	92	8	–	St	6	ASt	10	3
Leuchars	1018·2	−2	SW	3	o	44	92	7	4000	StCu	9	–	9	•
Eskdalemuir	1020·8	−2	SW	3	o	41	92	6	2500	StCu	9	–	9	•
Tynemouth	1022·0	0	W	1	bc+	44	85	6	–	–	0	ASt	5	2
Blacksod Point ...	1020·2	−3	WNW	1	cp.	44	85	8	1500	St	4	ASt	7	0
Donaghadee	1021·0	•	S	3	c+	46	85	6	1500	Cu	8	–	8	•
Birr Castle	1024·0	−2	SSW	3	bc/r	46	92	8	1500	Nb	1	ASt	6	2
Holyhead	1024·2	−1	SW	2	o+	45	85	7	2500	St	10	–	10	3
Liverpool (Bidston) ...	1024·7	−1	SW	2	ffo	45	85	3	1500	StCu	10	–	10	•
Chester (Shotwick) ...														
Spurn Head	1024·2	+2	WSW	3	o	43	97	6	4000	StCu	10	–	10	4
Nottingham	1025·2	•	WSW	1	o	40	97	5	2500	Nb	10	–	10	•
Cranwell	1025·9	+2	SW'S	3	o	41	97	6	4000	StCu	10	–	10	•
Gorleston	1024·6	0	W'N	3	o	43	92	6	4000	StCu	9	–	9	0
Valencia (Cahirciveen)	1021·0	−3	S	5	od.	51	85	7	2500	St	10	–	10	–
Roches Point	1025·9	−2	WSW	3	o/r	48	75	8	2500	StCu	10	–	10	3
Pembroke (St. Ann's H.)	1026·7	0	–	0	mmo	37	92	4	1500	StCu	10	–	10	•
Ross-on-Wye	1026·6	0	–	0	o	35	97	7	–	StCu	10	–	10	•
Benson...	1027·1	0	–	0	ffo	35	97	3	1500	StCu	10	–	10	•
Andover	1026·3	+1	W	1	o+	37	97	6	2500	StCu	6	ACu	9	•
S. Farnborough ...	1026·6	+1	WSW	1	o	43	92	5	2500	StCu	9	–	9	•
London (Kew Obsy.) ...	1026·5	+1	W'S	2	o	43	92	6	1500	StCu	10	–	10	•
Croydon	1025·6	+2	WNW	2	o	45	92	6	7200	StCu	10	–	10	1
Clacton-on-Sea ...	1025·9	+1	W'S	1	mmo	44	92	5	4000	StCu	10	–	10	•
Shoeburyness	1026·4	+1	SW	1	o	44	92	5	2500	St	10	–	10	0
Grain	1026·3	+1	N'W	3	o	43	92	5	800	StCu	10	–	10	•
Lympne														
Scilly (St. Mary's) ...	1027·9	0	W	3	bc/r	47	85	8	2500	Nb	5	–	5	2
Falmouth (Pendennis)	1028·4	0	–	0	o	48	75	7	1500	St	10	–	10	0
Plymouth (Cattewater)	1027·4	0	–	0	o	44	92	7	2500	St	10	–	10	0
Portland Bill	1026·2	0	SW	2	o+	46	85	7	450	St	10	–	10	0
Southampton (Calshot)	1027·3	+1	NW	2	c	39	92	6	5700	StCu	8	–	8	0
Dungeness	1026·3	+1	–	0	o	43	97	7	2500	StCu	10	–	10	2
Jersey 7h }	1027·1	0	WNW	2	o	45	92	6	1500	StCu	10	–	10	0
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR Wednesday, 29th Nov.

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 28-29th °F.	Temperature. Max. Day. 29th °F.	Rainfall.† Night 17h.-9h. 28-29th mm.	Rainfall.† Day 9h.-17h. 29th mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 29th hr.
Banff								1·9
Montrose	–	–	47	56	–	–		
Llandudno	ccb	cbc	43	51	–	–		2·7
Colwyn Bay ...	cbc	bc	48	52	–	–		4·0
Rhyl...	bc	bcc	48	50	–	–		4·5
Southport	cbc	bco	47	50	–	–		2·6
Blackpool	co	co	49	52	–	–		1·6
Harrogate	bcc	b	47	51	–	–		4·1
Skegness	bbc	co	47	53	–	–		2·0
Aberystwyth ...	oc	b	48	50	0·3	–		6·0
Bath	bcb	b	43	53	–	–		5·2
Leamington Spa ...								
Lowestoft	oco	ocbco	44	53	0·2	–		0·0
Felixstowe	ocm	com	45	53	–	–		1·6
Southend	oc	cbc	45	54	–	–		1·0

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 28-29th °F.	Temperature. Max. Day. 29th °F.	Rainfall.† Night 17h.-9h. 28-29th mm.	Rainfall.† Day 9h.-17h. 29th mm.	Sunshine. hr.	Sunshine. Sunrise to Sunset. 29th hr.
Paignton	b	bcb	43	54	–	–		6·5
Ilfracombe	b	b	49	53	–	–		7·2
Bude	bcbbc	bbc	48	52	–	–		6·5
Penzance	cbcc	cbcc	48	54	–	–		1·1
Falmouth Observatory	boc	cb	46	53	–	–		4·9
Torquay	bc	b	40	56	–	–		6·2
Weymouth	b	b	45	54	–	–		6·0
Bournemouth ...	b	b	44	52	–	–		4·8
Portsmouth (S'thsea)	bc	bo	43	53	–	–		4·6
Worthing	bcc	bcc	41	52	–	–		3·7
Brighton	cbo	cbb	42	53	–	–		3·0
Eastbourne	bcc	bcb	44	53	–	–		2·7
Hastings	oc	ocb	42	53	trace	–		1·7
Folkestone	bc	bc	38	50	–	0·1		0·7
Tunbridge Wells ...	o	obcb	44	52	–	–		1·5
Ramsgate	cbcb	bcbc	43	52	–	–		2·5
Margate	ocbcp	bco	45	51	–	0·1		1·8
Deal	mc	bcm	45	52	–	–		1·7

* 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 1922.

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.
1st	Cranwell	13hr cloud Cu
	Kew	13hr Temp 47°
	Ross-on-Wye	18hr cloud cSt 9
	Lerwick	1hr Bar 994.7 mb
	Andover	7hr Cloud Nb 6 aSt 10
	Falmouth	7hr Wind force 9
	Croydon	Past Weather 7-13hr o.bc.b2
2nd	Ross-on-Wye	13hr Bar change -6
	Jersey	13hr Bar 999.2 mb
	Malin Hd	18hr Temp 39°
	Leuchars	18hr Hum: 74% Vis. 9
	Croydon	Radio c. 6 - . 160
	Spurn Head	7hr Temp 38°
	Skegness	Min 38°
	Brighton	Rain 9-17h 1mm 13 mm
	Aberdeen	Past Weather 18-1h pr.pob
	Chester	Rain 7-18h 3mm
	Nottingham	Rain 7-18h 4 - 12100
	Croydon	Max 53°
3rd	Lympne	Past Weather 18-1h r.o.c.bc.b.Kq
	Leuchars	18hr Cloud Nb 2 aCu 5
	Jersey	18hr Bar 1011.9 mb
	Tynemouth	1hr - 999.8 -
	Lympne	1hr - 1008.6 -
	Calshot	1hr Wind SSE
	Holyhead	7hr - WSW
	Cranwell	7hr - SW
	Lympne	7hr Hum: 85%
	Montrose	Sun: 6.9 hrs
	Aberystwyth	- 3.3 -
	Lowestoft	- 7.3 -
	Skegness	Rain 17h-9h nil
	Deal	Sun: 8.0 hrs
	Chester	Past Weather 13-18hr bc.cq.0
	S. Farnborough	Min 31
	Kew	Past Weather 7-13hr bmwb
	Croydon	- - - - bxmz
	Lympne	- - - - b.bc.
4th	Renfrew	- - 18-1hr omiRS
	Castlebay	13hr Cloud St 10
	Renfrew	13hr Wind force 2
	Inchkeith	18hr Bar 995.3 mb
	Calshot	13hr - 995.2 -
	Kensington Palace	Max 43°
	Croydon	Grass Min 31°
	Eskdalemuir	7hr Bar 1003.8 mb.
	S. Farnborough	7hr Wind NNW
	Kew	Bar change +10 (7hr)
	Croydon	7hr - - +10
	Spurn Head	Rain 18-7h 0.3 mm
	Andover	Grass Min 32°
5th	Lympne	Max 43°
	S. Farnborough	13hr Hum 61% Vis 8
	Croydon	13hr Ground 1
	Lympne	13hr - 0
	Jersey	13hr 1014.3 +6 NW3 bc 49 55 8 4000 SCu 4 -4
	Leuchars	18hr Bar 1009.7 mb
	Castlebay	7hr - 1007.8 -
	Holyhead	7hr Temp 45°
	Jersey	7hr Wind NW 2
	Southport	Rain 17-9h 1 mm
	Harrogate	- - 3 -
	Ilfracombe	b.b. 42. 49. 0.3 - 7.3 hrs
	Torquay	Rain 17-9h 0.3 mm
	Bude	Sun 7.8 hrs.
	Bournemouth	b.b. 36. 47 - - 8.7 hrs
	Holyhead	Past Weather 13-18hr ctbc
	Plymouth	Rain 18-7hr nil
6th	Ross-on-Wye	Summary. bx. bx.o. 48 33. 28 Trace - 1430 - 6.9 hrs
	Jersey	13hr Bar 1014.4 mb
	Plymouth	18hr Wind force 5
	Kensington Palace	18hr - - 8
	Lympne	Max 51° Min 34°
	Calshot	Hum: 97% (1hr)
	Leuchars	7hr Hum 97%
	Renfrew	7hr - 97%
	Chester	Past Weather 18-1hr ortq
	Spurn Head	- 1-7hr odbqpr
	S. Farnborough	Min 40°
	Croydon	Sunshine 0.9 hrs
	Lympne	Time of rain 1630
	Plymouth	Rain 7-18hr Trace.
7th	Croydon	- 18-7hr 9 mm.
	Scilly	7hr Radio c_1c_2 6 - 140°
	Aberdeen	1hr Bar 994.7 mb
		7hr - 990.2 -

Report for	STATION.	CORRECTION.
7th	Cranwell	7hr Bar 990.5 mb
	Falmouth	7hr - Temp 51°
	Bournemouth	Rain 17-9h 22 mm
	Wick	" 18-7h 2 mm
	Holyhead	Past Weather 18-1hr o.T.o.00
	Chester	Max 52° Time of rain 20800
	Plymouth	Past Weather 13-18hr b.o22r Sun 2.1 hrs
8th	Nottingham	13hr Temp 53°
	Andover	13hr Cloud 2500 StCu 6 - 6
	Benson	13hr Weather o Cloud Cu 9
	Shoeburyness	18hr Hum 75%
	Croydon	Radio C_1C_2 5 - 100° 13hr
	Andover	7hr Bar 1009.1 mb. -1
	Croydon	7hr Wind force 2
	Margate	Rain 17-9h 3 mm
	Falmouth	" 9-17h 0.6 -
	Malin Head	Max 49°
	Pembroke	Min 47
	Andover	Sun: 5.0 hrs.
	S. Farnboro'	Grass Min 30°
	Lympne	Sunshine 0.4 hrs.
9th	Spurn Hd	13hr Bar change 0
	Cranwell	13 " Wind W
	Andover	13hr Bar change -1 Wind ENE 3
	Grain	13hr Vis 7
	Calshot	13 - Ground 0
	Portland Bill	7hr Wind NW 4
	Holyhead	Past Weather 1-7hr o.bc
	Cranwell	Max 51
	Grain	Past Weather 18-1hr o.c.bmb
10th	Benson	13hr 1023.3 mb (Bar) +4
	Croydon	13hr Wind NW 1
	Calshot	13hr Cloud Cu 1 Ci 9
	Lympne	18hr Wind N
	Calshot	18 - Bar 1024.2 mb
	Croydon	18 - Radio c. 6 - 155°
	"	7hr - c. 6. - 155°
	Holyhead	1hr Weather ortq
	Dungeness	1hr Bar 1023.4 mb
	Andover	7hr Cloud 2000'
	Stornoway	Sun 0.8 hrs
	Nairn	Min 38°
	Inchkeith	Max 44
	Pembroke	Rain 18-7h 0.2 mm
	Andover	Min 35°
	Lympne	Past Weather 13-18hr b.bcom Rain 7-18h nil
	Plymouth	Rain 18-7hr 4 mm
11th	Holyhead	13hr Wind WNW 6
	Pembroke	13hr Temp 52°
	Jersey	13hr Wind force 5
	Shoeburyness	18hr Vis: 8
	Jersey	18hr Wind force 5
	Kensington Palace	Max 54°
	Holyhead	1hr Hum 75%
	Cranwell	7hr Cloud Nb 9
	Andover	7hr Bar 1020.3 mb.
	Deal	Rain 17-9h 1 mm.
	Holyhead	Past Weather 7-13h orqm 18-1h bc.c.o.b. Max 54° Rain 7-18h 1 mm
	Ross-on-Wye.	7-13h dqrq 13-18h dobc c.o
	Plymouth	Sunshine 0.8 hrs.
	Calshot	Rainfall 7-18h 7 mm.
	Andover	Past Weather 18-1h cm.oPR
12th	Spurn Hd	13hr Temp 47°
	Andover	13hr Bar 1023.7 mb.
	S. Farnboro'	13hr Cloud 2500 StCu5 aCu9
	Eskdalemuir	18hr Vis: 6.
	S. Farnboro'	18hr Bar 1026.2 mb
	Lympne	18hr Cloud 1200 St 10 - 10
	Jersey	18hr Bar 1024.3 mb.
	Blackpool	Min 45°
	Eastbourne	Rain 17-9h 1 mm
	Torquay	- 1 "
	Margate	Min 45°
	Cranwell	Past Weather 18-1h bcm 1-7h bcm
	Pembroke	Max 49°
	Lympne	Past Weather 1-7hr orn
	Scilly	Min 42°
	Plymouth	Summary. c. cbcb. b. b. 51. 35. 31 - - - - 2.9 hrs
13th	Tynemouth	13hr Bar 1028.6 mb
	Holyhead	13hr Wind force 3
	Benson	13hr Bar 1031.6 mb
	Lympne	13 " " 1030.1 "
	Plymouth	13 - " 1030.3 "

Report for	STATION.	CORRECTION.
13th	Falmouth	18hr Bar change -2
	Kensington Palace	Min 34°
	Lowestoft	Sun: 1.0 hrs.
	Holyhead	Past Weather 7-13hr oo 13-18h o.bcr
	Andover	" " 18-1hr bmx.bc.
14th	Nottingham	13hr Bar 1037.4 mb
	Andover	13 - Ground 0
	Holyhead	1hr Weather odd
	"	7hr Wind SW
	Plymouth	7hr Bar 1034.4 mb
	Falmouth Obs:	Max 51
	S. Farnborough	Sun: 6.7 hrs
	Croydon	Past Weather 7-13hr b.off
	Lympne	" " 18-7hr bm.bc.ofr.omw
	Plymouth	" " 18-1hr bx 1-7h bmx
15th	Andover	7hr Weather off Temp 46°
	Ramsgate	Min 41° Max 51°
	Nairn	Max 53°
	Eskdalemuir	" 52°
	Cranwell	Grass Min 35°
	Pembroke	Rain 7-18hr 0.3 mm
	Andover	Min 32°
	Lympne	Summary sm. /o.bcm/b.b.br.rbf/ o.bFe
	Plymouth	7-13hr bfx
16th	Andover	13hr Wind NNE
	Birr Castle	18 - " WNW
	Southport	Min 32°
	Bude	Sun 3.1 hrs
	Ramsgate	Min 37° Max 50°
	Renfrew	Min 44 Grass Min 42°
	Andover	Min 27°
	Croydon	Time of rain 1230
	Lympne	Sun: 1.6 hrs
	Scilly	Min: 47°
	Plymouth	Weather 7-13hr bmw.
17th	Wick	13hr Temp 51°
	Andover	13hr Cloud 4150
	"	18hr Wind force 2
	Croydon	Weather 13-18hr ofefe.
	Stornoway	7hr opro 450 St 10 - 10.
	Blackpool	Rain 17-9h nil.
	Bournemouth	- - 0.3 mm
	Ramsgate	Min 39 Max 47
	Andover	Weather 18-1hr offe.om.
	Lympne	Sun: 4.2 hrs.
18th	Kew	13hr Ground 1
	Pendennis	" Bar change -4
	Dungeness	- - 1033.8 mb
	Lundy Obs:	Ended 0900 18th
	Pollution	- 1600 17th
	Polar Star Record	Exposure from 17th to 18th
	Kensington Pal:	Max 52°
	Kew	7hr Bar 1026.5 mb
	Lympne	1hr Cloud StCu7 - 7
	Skegness	Rain 17-9h 0.3 mm Sun: 6.0 hrs
	Nairn	Weather 7-13hr dgc
19th	Pendennis	13hr Temp 52°
	Birr Castle	18hr Temp 42°
	Andover	- Bar: 1026.6 mb
	Camden Square	Min 39°
	Tynemouth	1hr Bar 1026.4 mb
	Holyhead	1 - Temp 49°
	Skegness	Sun 2.2 hrs
	Bude	o. o. 44. 54 - - 1.9 hrs
	Aberdeen	Sun: 2.6 hrs
	Renfrew	Weather 1-7hr bbcxv.
	Birr Castle	Max 52°
	Holyhead	Min 48° Grass Min 47°
	Lympne	Max 49°
	Pendennis	" 52°
	Plymouth	Weather 18-7h b.o 13-18hr bc.c.b. Max 55 Min 44° Grass 34° Rain nil Sun 3.7 hrs
20th	Liverpool	18hr Temp 45°
	Holyhead	1hr Bar change -1
	Croydon	1hr Wind SW'W
	Pembroke	7 " Temp 48°
	Torquay	Min 41°
	Weymouth	o. o. 41. 48. - - o. o.
	Aberdeen	Sunshine 2.0 hrs
	S. Farnboro'	Min 41°
21st	Plymouth	13hr. Ground 0
	Aberdeen	18hr Wind force NW, 3
	Chester	" " Cloud Nt 2500
	Spurn Head	18hr Bar 1027.6 mb
	Cranwell	" " Wind force 2
	Benson	" " " Calm

‡ The barometric change is expressed in half millibars.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, November 1922.

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.
21st	Croydon	7hr Radio C. 6 – 90°
	Cranwell	1hr Bar: 1030.2 mb Wind force 2
	Grain	7hr. Hum: 97%
	Renfrew	Min: 34°
	Grain	Min: 42
	Lympne	Summary c.om. om. omdo. om.
22nd	Holyhead	18hr weather odo
	Plymouth	18- Bar: 1031.2 mb.
	Kensington Palace	Max 52°
	Inchkeith	1hr Bar 1027.5 mb
	Calshot	1- Hum: 85%
	Skegness	Rain 17-9h nil.
	Lympne	Weather 1-7h omfw.
23rd	Lympne	13hr Cloud height 1500'
	Inchkeith	1hr Bar 1025.8 mb.
	Lympne	1- Hum: 85%
	Andover	7hr Bar 1033.5 mb Vis 6
	Skegness	Sun: 0.6 hrs
	Chester	Time of rain 1200
	Andover	Grass Min 38°
	Grain	Summary 18-1h om.od. 1-7h om
	Lympne	– 13-18hr omdo. 18-1h om
24th	Stornoway	13hr Wind NW. 3
	Dungeness	13- Temp 48°
	Benson	18- Bar: 1033.1 mb
	S. Turnbo'	18- Temp 44°
	Stornoway	18- Bar: 1026.6 mb.
	Cranwell	1hr " 1031.4 "
	Lympne	Summary 18h 1hr b.o.cmw
25th	Cranwell	13hr Ground 0
	Birr Castle	18- Wind SSE 1
	Cranwell	1hr Hum: 87%
	"	Sunshine 3.2 hrs.
	Lympne	Summary om. cocbcbm b.bom.bbmx 49.29.24. – – 1.7hrs
	Pembroke	7hr Bar 1041.2 mb.
26th	Castlebay	13hr Cloud height 4000'
	Cranwell	18- " StCu 2 aCu 9
	Clacton-on-Sea	18- Temp 37°
	Calshot	18- Sea 0
	Croydon	1hr Radio C_1C_2 5 – 30°
		7hr " C_1C_2 5 – 5°
	Cranwell	1hr Bar: 1029.1 mb Wind W's Cloud StCu 5 – 5
	Calshot	1hr Wind WNW 3
	Nairn	7hr Bar: 1023.4 mb
	Holyhead	7- " 1026.2 "
	Bude	Min 33°
	Worthing	Sunshine 7.5 hrs
	Holyhead	Min 44°
	Scilly	" 45°
	Plymouth	Summary bx.b. bx.bx. 45.31. – – 7.0 hrs.
	Lympne	Summary 18-1hr b.02 mx.
27th	Holyhead	13hr Hum: 85% Cloud St gas 10
	Chester	13- Bar: 1022.6 mb change –3
	Croydon	13- Radio C. 5. – 175°
	Leuchars	18- Wind N 4.
	Donaghadee	18- Temp: 45°
	Holyhead	1hr – 43°
		7- – 44° Hum 85%
	Aberdeen	Summary 7-13h o1so. 18-1h bcps
	Gorleston	Min 33
	Andover	Summary 13-18hr oodoo
	Croydon	Sunshine 0.2 hrs
	Lympne	Summary 13-18h ororr mKq.
28th	Castlebay	13hr Hum: 85%
	Chester	18- Temp 40°
	Inchkeith	18- Bar 1036.7 mb
	Scilly	7hr Temp 49°
	Pendennis	7- Bar change +1
	Plymouth	7- " " +2
	Lowestoft	Rain 9-17h 4 mm
	Folkestone	Max 42°
	Lerwick	" 43 Min 42°
	Nairn	Rain 18-7h nil
	Chester	Min 40°
	Shoeburyness	Max 39°
	Scilly	Min 47°
	Cranwell	Weather 7-13hr om bc.
29th		13hr Cloud 1500 Strcu 9 astlo
	Chester	18- Bar 1023.3 mb
	Pendennis	18- Bar change +1
	Croydon	7hr Radio C 5 – 35°
	Cranwell	1hr Cloud height 1500'
	Dungeness	1- Bar 1024.0 mb.
	Cranwell	7hr Wind WNW 5
	Ramsgate	Min 31°
	Tynemouth	Rain 7-18hr trace.
	Holyhead	Sunshine 0.8 hrs
	Cranwell	Weather 7-13h odom.
30th	Eskdalemuir	13hr Wind E
	Calshot	13- Bar 1023.7 mb
	Scilly	18- Temp 51
	Calshot	18- Bar 1024.7 mb
	Cranwell	1hr Hum 97%
	Lerwick	7hr Bar 1011.6 mb.
	Bude	Sunshine 6.1 hrs.
	Cranwell	Summary 1-7hr om
	Andover	" 7-13- omcbcb.
	Croydon	Sunshine 0.3 hrs.

II.—ADDITIONS.

Report for	STATION.	Barom. at M.S.L. m.b.	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	Sea. 0-9	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
1st	Roches Pt 13h	1016.3	-1	WSW	3	o	50	85	8	4000	StCu	3	Ci St	10	*	c.o										
	Scilly 13h	1012.1	*	N	4	cq	49	85	8	4000	StCu	7	-	7	*	cq										
	Blacksod Pt 18h	1015.7	-4	SW	4	opro	49	85	7	-	CuNb	9	-	9	6	pr	pr									
	Roches Pt 18h	1015.4	-4	WSW	4	oPR	49	85	8	2500	Nb	10	-	10	6		or									
	Clacton-on-Sea 18h	1017.7	+4	W	2	bct	43	85	7	5700	StCu	7	-	7	0		bc.c						-			
	Scilly 18h	1016.4	*	NNW	3	bc	47	75	8	3000	CuNb	5	-	5	4		cq									
	Blacksod Pt 1h	1000.0	-6	SW	5	oPRt	47	92	5	-	Nb	10	-	10	*			o								
	Scilly 1h	1011.2	*	S	5	oqir	50	87	7	4000	CuNb	4	aSt	6	*			oqir								
	Castlebay 7h	998.0	-2	NW	4	oPr	42	85	7	800	St	10	-	10	5			op	op	48	42		3	2	1430 <2100	1.9
	Blacksod Pt 7h	999.6	-3	NW	6	cPRi	44	65	7	-	CuNb	7	-	7	7			o	pr	51	39		10	9	—	*
	Roches Pt 7h	984.8	-2	WNW	6	c-	45	92	8	4000	CuNb	4	aCu	7	6			rr c	iPoRR	50	45		0.2	18	1630 <2100	4.4
	Scilly 7h	999.5	*	SW	6	oqmrs	53	97	6	3000	Nb	10	-	10	7				oqmrs	52	44		-	7	-	
2nd	Castlebay 13h	999.0	+2	N	6	bqh	42	65	8	1500	CuNb	4	-	4	*	ophpc										
	Blacksod Pt 13h	1000.6	+4	WNW	6	cPR-	45	65	8	-	CuNb	8	-	8	*	p										
	Roches Pt 13h	999.7	0	NNW	2	c-	47	85	8	4000	StCu	7	CiCu	8	*	o.c									<0800	
	Castlebay 18h	997.0	+4	WNW	6	o/r	40	75	6	800	CuNb	10	-	10	7		chp.op						3			
	Blacksod Pt 18h	1000.0	+7	NW	6	cpro	41	55	7	-	CuNb	8	-	8	7		p						1			
	Roches Pt 18h	1000.8	0	NW	2	c	43	92	7	2500	StCu	6	CiCu	7	1		c.bc.c						—			
	Blacksod Pt 1h	1010.5	+4	NW	6	opro	41	75	7	-	CuNb	9	-	9	*			p								1.5
	Scilly 1h	1010.2	+7	NNW	3	bc	46	75	8	4000	Cu	7	-	7	*			bc.c							-	*
	Castlebay 7h	1001.2	+1	WNW	5	o/h	38	75	7	1500	St	8	-	8	6				hrshc	42	37			2	-	*
	Blacksod Pt 7h	1009.7	+1	WNW	4	cpro	41	75	7	-	CuNb	8	-	8	3				p	48	34			1	-	*
	Roches Pt 7h	1010.0	+1	WNW	2	b	36	92	7	-	-	0	-	0	1				bw	49	36			0.1	1430	0.5
	Scilly 7h	1015.0	+5	NNW	3	bc	45	75	8	4000	Cu	6	-	6	4				c	55	43		7	-		
3rd	Castlebay 13h	1000.3	-3	WNW	6	o/h	43	75	7	1500	St	10	-	10	*	bq										
	Blacksod Pt 13h	1000.5	-2	W'N	4	c	44	75	9	-	CuNb	4	Ci	6	*	p										
	Roches Pt 13h	998.7	0	NNW	2	c-	47	85	8	4000	StCu	7	aCu	8	*	b.bc										
	Scilly 13h	1015.1	0	—	0	bc-	56	85	8	4000	Cu	4	-	4	*	bc										
	Castlebay 18h	998.4	+2	W	3	o/r	37	92	7	800	Nb	10	-	10	4		o.chp						4			
	Blacksod Pt 18h	1008.2	-4	W	5	o	43	75	7	-	CuNb	9	-	9	6		p						1			
	Roches Pt 18h	998.7	0	NW	2	c	43	92	7	2500	StCu	6	CiCu	7	1		bt.c.o						—			2.6
	Blacksod Pt 1h	1002.5	-5	W	4	o	42	75	7	-	CuNb	9	-	9	*			p						1	-	*
	Castlebay 7h	995.7	-1	NW	2	bc	39	75	8	1500	Cu	4	-	4	2				o.o.opc	43	37			3	-	*
	Blacksod Pt 7h	998.5	-3	WSW	3	c	41	92	7	-	CuNb	7	-	7	3				p	47	36			—	-	*
	Birr Castle 7h	999.8	*	SSW	1	b	33	92	7	800	St	3	-	3	3				c	45	30			6	-	
4th	Roches Pt 7h	998.5	-1	NW	2	o	41	92	8	2500	StCu	10	-	10	0			ToTo	oTo	49	41					
	Birr Castle 13h	998.2	*	SW	1	ct	45	75	8	4000	Cu	4	Ci	7	*	bc.c.o										
	Roches Pt 13h	999.7	*	NNW	2	c	47	85	8	4000	StCu	7	-	7	1	o.c.										
	Blacksod Pt 18h	1000.1	+3	NW	5	bqph	42	75	7	-	CuNb	6	-	6	6		p						1			
	Birr Castle 18h	997.2	*	S	1	ot	40	92	6	450	St	9	-	9	*		c.o			46			—			
	Roches Pt 18h	998.7	*	NW	2	c	43	92	7	-	StCu	6	CiCu	7	1		c.bc.c						—			1.7
	Portland Bill 1h	999.3	+2	NNW	4	o	45	85	6	450	St	10	-	10	*			oo							-	
	Castlebay 7h	1005.9	+1	NW	4	bc/sh	40	75	7	1500	St	2	?	4	4			cshbc	bsh.c	40	35		3	5		

‡ The barometric change is expressed in half millibars.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, November 1922.

II.—ADDITIONS.

Report for	Station	Hour	Barom. at M.S.L. m.b.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility.§ 0-9	Height of Low Cloud. Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9	Weather 7h.-13h.	Weather 13h.-18h.	Weather 18h.-1h.	Weather 1h.-7h.	Temp. Max. Day 7h.-18h.	Temp. Min. Night 18h.-7h.	Temp. Min. on Grass	Rainfall Day 7h.-18h.	Rainfall Night 18h.-7h.	Precipitation began	Sun Hours
4th	Blacksod Pt	7hr	1012.6	+3	WNW	5	opho	40	92	7	-	CuNb	9	-	9	6				p	47	36	x	1	1	—	x
	Birr Castle	7hr	1010.8	x	W	1	bt	31	97	7	4000	StCu	2	-	2	x			b	cx	46	30	22	–	–	–	x
5th	Roches Pt	7hr	1013.2	x	NNW	2	b	37	92	8	-	-	0	-	0	0			or0r0	rro	49	41	x	–	6	–	x
	Blacksod Pt	13hr	1015.7	+6	NW	4	bc	44	85	9	-	CuNb	6	-	6	x	bc										
	Jersey	13hr	1014.3	+6	NW	3	bc	49	55	8	4000	StCu	4	-	4	x											
	Blacksod Pt	18hr	1016.7	+2	W	2	bc	41	85	7	-	StCu	4	-	4	3		c						0.1		–	
	"	7hr	1003.0	-8	SSE	6	opr0	46	92	7	-	Nb	7	-	7	7					49	34			1	–	x
6th	Roches Pt "	7hr	1012.6	-5	SW	5	o	47	85	7	1500	StCu	10	-	10	6			b.o.	b.o	48	36		–	–	–	x
	Blacksod Pt	13hr	996.2	-8	SSW	7	oPR-	50	97	7	-	Nb	10	-	10	x	Tord										
	Roches Pt	13hr	1005.0	-10	S	5	odydy	50	97	5	800	Nb	10	-	10	x	Trdydo										
	Blacksod Pt	18hr	990.1	-6	S	4	opr0	51	92	7	-	Nb	7	-	7	6		Tord						6		-	
	Roches Pt	18hr	999.2	-5	SW	3	brr0	52	97	6	800	Nb	10	-	10	6		TTr0T0						8		<0800	
	Blacksod Pt	7hr	982.1	-10	W	5	cpr0	53	92	7	-	CuNb	8	-	8	4											
7th	Roches Pt	7hr	984.4	-1	W	3	c-	49	92	8	4000	StCu	7	-	7	4			Tothr	p r.o.c	52	49	x		17	<2100	x
	Blacksod Pt	18hr	983.5	+2	W	6	oPR-	50	92	7	-	Nb	10	-	10	7		Tord						2		–	
	" "	7hr	1002.0	+7	WNW	5	o	49	65	7	-	-	0	aSt	10	6			r,d	rard	51	44	x		5	–	x
8th	Roches Pt	7hr	1003.2	+10	WNW	4	bc-	46	92	8	2500	CuNb	5	-	5	1			op.c	op.c.bc	50	44	x		5	<2100	x
	Blacksod Pt	13hr	1005.6	-	W	4	o	49	?	?	-	CuNb	9	-	9	x											
	Roches Pt	13-	1009.2	+5	W	3	c+	50	85	8	2500	CuNb	8	-	8	x	bc.c										
	Blacksod Pt	18-	1015.8	+1	W	4	bc	47	85	5	-	CuNb	6	-	6	5		p						1			
	Roches Pt	18-	1010.1	+1	W	2	c	48	85	8	2500	Cu	8	-	8	1		c						—			
	Blacksod Pt	7-	1003.9	+2	W'N	2	bc	45	97	7	-	Cu	6	-	6	4			p	p	51	42	x		4	–	x
9th	Roches Pt	7-	1004.7	-1	NE	1	or0r0	46	97	8	1500	Nb	10	-	10	3			r0	T0	52	46	x		6	<2100	x
	" "	13hr	1008.6	-2	W	2	qjp	51	85	8	1500	CuNb	10	-	10	x	T0c.o.										
	" "	18-	1013.9	+8	W	2	bc-	49	92	8	2500	StCu	10	-	10	3		o.c.bc						0.2		<0800	
	Blacksod Pt	7hr	1017.0	?	SSE	5	o	46	85	7	-	StCu	10	-	10	4					51	45			0.2	–	x
10th	Roches Pt	7hr	1020.8	+2	-	0	o	41	97	5	800	St	5	aSt	10	3				bozm	54	38			Trace	<2100	x
	Blacksod Pt	13hr	1015.7	-3	SE	6	o	47	85	9	-	StCu	10	-	10	x	oo										
	Roches Pt	13-	1019.2	-3	SSW	3	o	51	85	8	1500	StCu	10	-	10	x	o.c.o										
	Blacksod Pt	18-	1007.5	-8	SSE	6	oPR+	48	85	7	-	Nb	10	-	10	6		oo						1		–	
	Roches Pt	18-	1014.9	-3	S	5	cr0r0	51	92	8	450	StCu	8	-	8	?		oT0T0						0.3		–	
	Castlebay	7hr	997.7	o	W	3	or0r0	51	97	6	800	Nb	10	-	10	4			aRRr0	oTT	48	47			10	<2100	0.0
11th	Blacksod Pt	7-	1005.2	-2	NW	2	mo-	52	85	5	-	Nb	10	-	10	4					50	44			26	–	x
	Roches Pt	7-	1002.4	-2	WSW	3	br0r0	52	97	7	2500	CuNb	10	-	10	6			T0T0	T0T0	52	51			4	<2100	x
	Castlebay	13-	1002.3	+5	NW	4	opr0	49	75	6	800	Nb	10	-	10	x	T0.op										
	Blacksod Pt	13-	1006.3	+6	WNW	5	c	51	92	8	-	StCu	8	-	8	x											
	Birr Castle	13-	1005.5	x	SW	1	c	52	85	8	4000	StCu	4	aCu	7	x	oiTc.o										
	Roches Pt	13-	1009.2	+5	W	3	c+	50	85	8	2500	CuNb	8	-	8	x	T0T0c										
	Castlebay	18-	1009.9	+9	NW	4	o	47	75	6	800	St	10	-	10	4		o.p.o						0.4		–	
	Blacksod Pt	18-	1014.7	+9	WNW	4	cm	49	75	5	-	StCu	8	-	8	4		c						0.4		–	
	Birr Castle	18-	1012.3	x	NW	2	od0	49	92	6	1500	Nb	9	-	9	x		oidoT						1		<0800	
	Roches Pt	18-	1015.4	+8	W	3	bc	51	92	8	2500	StCu	4	-	4	1		c.bc						2		–	
	Castlebay	7hr	1020.9	-	E	1	•	44	85	8	4000	St	8	-	8	1			o.	c.o	51	43			0.3	–	0.0
	Blacksod Pt	7-	1023.9	+3	S	4	o	48	75	7	-	StCu	10	-	10	4				c	52	40			—	–	x
	Birr Castle	7-	1026.7	x	S	1	c	39	97	7	4000	StCu	7	-	7	x				c.o	55	36	29		1	<2100	x
12th	Roches Pt	7-	1025.7	+3	NNW	1	b+	40	92	7	-	-	0	Ci	1	0			bW	bc.b	55	37			0.2	–	x
	Blacksod Pt	13-	1023.7	+1	SE	4	c	52	75	9	4000	StCu	7	-	7	x	c										
	Castlebay	13-	1021.5	o	SW	4	o	50	75	8	4000	St	10	-	10	x	oo										
	Birr Castle	13-	1026.4	x	W	1	c-	49	65	8	2500	Cu	6	-	6	x	c.o										
	Roches Pt	13-	1028.4	+1	SE	1	bc+	50	65	8	-	-	0	Ci	4	x	b.bc										
	Castlebay	18-	1021.5	o	S	5	o	51	85	6	1500	St	10	-	10	4		o						–			
	Blacksod Pt	18-	1023.7	o	SSW	5	bc	49	92	7	-	St	6	-	6	4								–			
	Birr Castle	18-	1027.5	x	S	1	o+	45	85	6	800	St	10	-	10	x		c.o						–			
	Roches Pt	18-	1028.9	+1	SE	1	b-	45	92	8	-	-	0	Ci	2	0		bc.b						–			
	Castlebay	7hr	1021.2	o	S	5	o	51	92	7	1500	St	10	-	10	6			o	o	51	50			–	–	0.0
	Blacksod Pt	7-	1022.9	-1	S	6	bcff	52	85	7	-	St	6	-	6	6					52	47			–	–	x
	Birr Castle	7-	1027.7	x	W	1	c-	43	92	7	4000	StCu	7	-	7	x			c.o	c.o	50	41	35	–	–	–	x
13th	Roches Pt	7-	1030.0	o	S	1	o	49	97	8	1500	StCu	10	-	10	0			bw.o	o	52	42			0.3	–	x
	Castlebay	13hr	1020.3	-1	SSW	6	o	52	85	7	1500	St	10	-	10	x	o										
	Blacksod Pt	13-	1023.2	o	S	6	•	53	85	7	1500	St	10	-	10	x											
	Birr Castle	13-	1027.9	x	S	1	o+	52	85	8	4000	StCu	9	-	9	x	c.o										
	Roches Pt	13-	1029.5	o	SW	2	o	51	85	8	2500	StCu	10	-	10	x	o										
	Castlebay	18-	1019.7	o	SW	6	od0d0	52	92	6	800	Nb	10	-	10	7		od0						Trace			
	Blacksod Pt	18-	1023.2	+1	S	5	o	53	92	7	-	St	10	-	10	7								–			
	Birr Castle	18-	1027.9	x	SE	1	o	48	92	7	4000	StCu	9	-	9	x								–			
	Roches Pt	18-	1030.0	o	SSW	2	bc-	50	92	8	2500	StCu	5	-	5	0		o.c.bc						–			
	Castlebay	7hr	1024.7	+3	W	4	o/r	50	97	6	800	St	8	-	8	2			d0T0o	op0m	53	50			1	<2100	0.0
	Blacksod Pt	7-	1027.6	+3	S	1	mot	50	97	7	-	-	0	aSt	10	5					51	47			3	–	x
	Birr Castle	7-	1029.8	x	S	1	o	53	92	6	1500	StCu	9	-	9	x			c.o	c.o	52	47	44		–	–	x
14th	Roches Pt	7-	1031.7	o	SW	1	o	50	97	6	800	St	10	-	10	0			o.c.o	om	52	50			–	–	x
	Castlebay	13-	1026.9	o	W	3	cm	51	92	6	1500	St	7	-	7	x	ompsw										
	Valencia	13-	1030.4	-3	ESE	2	or0r0	54	97	3	-	St	10	-	10	x	ofr o										
	Roches Pt	13-	1031.5	-1	WSW	2	o	54	92	8	1500	StCu	10	-	10	x											
	Castlebay	18-	1027.0	o	SW	3	o/f	50	92	6	1500	St	10	-	10	3		cm.o						Trace			
	Blacksod Pt	18-	1027.7	+1	S	5	mo-	52	97	5	-	St	10	-	10	5								0.2			
	Roches Pt	18-	1032.2	+1	WSW	1	o	52	97	7	800	St	10	-	10	0		o						–			
	Castlebay	7hr	1024.4	-	WSW	5	op	51	97	7	1000	St	10	-	10	4			o	op	51	50		Trace	0.8	–	1.2
	Blacksod Pt	7-	1032.1	-4	WNW	4	om	51	97	5	-	-	0	aSt	10	4				r,d	53	48			1	–	x
	Birr Castle	7-	1032.5	x	S	1	od0d0	52	97	6	450	Nb	10	-	10	x			c.o.	odr.o	58	51	49		0.5	0430	x
	Valencia	7-	1033.3	+1	-	0	c	52	97	8	-	St	8	-	8	-											
15th	Roches Pt	7-	1034.3	o	N	1	od0d0	50	97	5	<150	St	10	-	10	0			omeod0f0	d0d0om	55	50	49		1	–	x
	Castlebay	13-	1032.4	+4	NW	4	bc	51	85	8	2500	StCu	6	-	6	x	op.c										
	Blacksod Pt	13-	1033.8	+3	S	1	o	51	97	9	-	-	0	aSt	10	x	oo										

‡ The barometric change is expressed in half millibars.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, November 1922.

II.—ADDITIONS.

Report for	STATION.	Barom. at M.S.L. m.b.	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	Sea. 0-9	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
15	Roches Pt 13hr	1035.4	+1	–	0	c+	53	97	5	2500	St Cu	8	–	8	*	d.d.fog									–	
	Castlebay 18-	1036.2	+1	N	2	b	47	85	7	–	–	0	–	0	1		c.b						Trace			
	Roches Pt 18-	1037.1	+1	–	0	b	50	97	7	–	–	0	–	0	0		c.bc.b						0.4	–	<0800	4.0
	Castlebay 7-	1034.2	0	SSW	3	c	49	85	7	1500	St	8	–	8	3			b.	b.o	52	43	*		–	–	*
	Blacksod Pt 7-	1040.3	+2	S	2	of	50	97	3	–	–	0	a St	10	3				oo	54	53			0.2	–	*
	Roches Pt 7-	1041.0	+1	N	1	o	43	97	5	800	St	10	–	10	0			bw	bw.om	55	42			0.4	–	
16	Castlebay 13-	1040.2	+1	SW	4	c	49	85	8	1500	St	8	–	8	*	o									1230	0.4
	– 18-	1039.8	0	SW	3	op.	56	97	5	800	St	10	–	10	3		op						Trace		<2100	*
	– 7-	1039.1	0	WSW	4	op.b	50	92	6	1500	Nb	10	–	10	4		op	opmd	op	50	49			1	–	*
	Blacksod Pt 7-	1042.2	+1	–	0	b	48	92	7	–	–	0	a St	10	3					51	46			0.5	–	*
	Birr Castle 7-	1043.3	*	SE	1	o	44	92	6	4000	Cu	9	–	9	*			c.o2	c.o2.co		42	36		–	–	*
	Roches Pt 7-	1042.8	0	NE	1	o	47	92	6	4000	St Cu	10	–	10	0			ow	om	52	47	*	–	0.2	–	
17	Castlebay 13-	1038.6	0	W	4	o/r	51	85	7	800	St	10	–	10	*	opd.										
	Blacksod Pt 13hr	1042.3	+1	SSW	2	b	50	92	9	–	St Cu	10	–	10	*											
	Roches Pt 13-	1042.6	0	E	2	b	52	85	6	2500	Cu	1	–	1	*	o.bz										
	Castlebay 18-	1038.2	0	WNW	4	c	52	85	6	1500	St	8	–	8	4		o						Trace			
	Blacksod Pt 18-	1041.9	+1	–	0	om	50	92	3	–	–	0	a St	10	0											
	Roches Pt 18-	1042.5	0	–	0	o	47	97	6	800	St	10	–	10	0		bz								–	0.0
	Castlebay 7-	1035.4	-1	WNW	5	o	51	92	7	1500	Nb	10	–	10	4			o.c.o	o	52	50			–	–	*
	Blacksod Pt 7-	1041.0	-1	W	2	o	50	85	7	–	St Cu	10	–	10	0					50	47			0.4	–	1.2
	Valencia 7-	1042.9	0	NE	0	o	47	85	7	4000	St Cu	10	–	10	1			o	oo	50	43	39	–	Trace	–	*
	Roches Pt 7-	1041.9	0	N	1	o	43	92	6	1500	St Cu	10	–	10	0				b.o	53	40	*	–	trace	–	
18	Castlebay 13hr	1034.3	-1	WNW	4	mo	52	92	6	800	St	10	–	10	*	om										
	Blacksod Pt 13-	1040.2	+2	W'N	4	bc	52	85	8	–	St Cu	5	–	5	*											
	Roches Pt 13-	1040.5	-3	N	1	o	50	92	6	1500	St Cu	10	–	10	*	oim										
	Castlebay 18-	1032.7	-2	W	4	odd	51	97	5	800	Nb	10	–	10	4		omdd						Trace			
	Blacksod Pt 18-	1038.7	-2	WNW	2	o	51	92	5	–	St Cu	10	–	10	3											
	Valencia 18-	1039.3	-1	N	3	o	51	75	8	4000	St	10	–	10	1		oo									
	Roches Pt 18-	1038.5	-1	N	2	o	50	85	6	1500	St	10	–	10	0		oim						–		–	0.0
	Castlebay 7-	1031.4	0	NW	4	o	49	85	8	1500	St	10	–	10	3				b.o	53	48			0.2	–	*
	Blacksod Pt 7-	1036.1	-3	WNW	2	o	49	97	3	–	–	0	a St	10	3					53	46			0.4	–	*
	Roches Pt 7-	1035.3	-1	NNW	1	o	49	92	6	2500	St Cu	10	–	10	0				o.bz	52	49		–	–		
19	Castlebay 13hr	1031.5	0	NW	4	o	49	85	7	1500	St	10	–	10	*	op.o										
	Blacksod Pt 13-	1035.0	-1	NW	2	o	49	92	7	–	St	10	–	10	*											
	Roches Pt 13-	1032.4	-4	NNW	2	bc	54	85	8	4000	Cu	4	–	4	*	o.c.bc										
	Castlebay 18-	1030.8	0	NNW	3	o	49	85	6	1500	St	9	–	9	3		o									
	Blacksod Pt 18-	1034.5	-2	NW	2	o	47	85	5	–	Cu Nb	9	–	9	3										–	
	Roches Pt 18-	1031.5	0	NNW	3	b	48	85	8	–	–	0	–	0	0		bc.b						–		–	0.0
	Castlebay 7-	1029.0	0	NW	2	o/r	49	97	6	1500	St	10	–	10	2				c.op.o	50	46		Trace	0.6	–	*
	Blacksod Pt 7-	1031.6	-3	WNW	2	o	52	92	5	–	Nb	10	–	10	3					49	43		–	1	–	*
	Roches Pt 7-	1031.2	0	NNW	2	o	45	97	7	2500	St Cu	10	–	10	0				o	54	42		–	–		
20	Castlebay 13hr	1027.5	-1	NW	3	cp.	50	92	7	1500	St	8	–	8	*	op.cop										
	Blacksod Pt 13-	1031.3	-2	WNW	4	op.	51	92	7	–	Cu Nb	10	–	10	*											
	Roches Pt 13-	1030.2	-1	N	1	o	50	92	6	1500	St	10	–	10	*	p.com										
	Castlebay 18-	1027.4	0	NNW	3	cp.	47	97	6	1500	St	10	–	10	3		op.bcp						0.4		<0800	
	Blacksod Pt 18-	1030.9	-1	WNW	2	bc	50	92	5	–	Cu Nb	6	–	6	4								2			
	Roches Pt 18-	1029.8	0	N	1	o	50	97	6	1500	St	10	–	10	0		od.o						0.2		–	1.2
	Castlebay 7hr	1028.6	0	NW	3	o	50	85	8	1500	St	10	–	10	3			b.o.	op.c.b	51	46	*		0.2	–	*
	Blacksod Pt 7-	1027.8	-2	S	4	o	50	85	5	–	Cu	10	–	10	6					49	44			–	–	*
	Roches Pt 7-	1029.4	0	N	1	o	46	97	7	2500	St Cu	10	–	10	0			o	od.o	52	45			0.3		
21	Castlebay 13hr	1028.8	0	NW	2	o	50	75	8	1500	St	10	–	10	*											
	Blacksod Pt 13-	1030.4	-1	NW	2	o	51	85	9	–	Cu	10	–	10	*										–	
	Roches Pt 13-	1029.0	0	NNW	1	od.	47	97	5	800	Nb	10	–	10	*	od.d.										
	Castlebay 18-	1029.4	0	–	0	c	47	97	6	1500	St	8	–	8	1								0.1			
	Blacksod Pt 18-	1030.4	+1	NNW	2	c	50	75	5	–	Cu	7	–	7	3											
	Roches Pt 18-	1029.5	0	N	1	od.	48	97	7	800	Nb	10	–	10	0		od.d.						0.3		–	0.0
	Castlebay 7hr	1029.0	0	W	4	op.	46	97	8	1500	St	10	–	10	3			bc.op	o.bc	50	43			1	–	*
	Blacksod Pt 7-	1029.9	-1	NNW	2	o	48	75	7	–	St Cu	10	–	10	3					51	44			–		*
	Roches Pt 7-	1030.5	0	NNW	1	o	46	97	6	1500	St	10	–	10	0			oim	d.d.o	49	46			1	<0800	
22	Castlebay 13hr	1028.0	-1	SW	4	o/r	48	85	8	1500	Cu Nb	10	–	10	*	op.c.										
	Blacksod Pt 13-	1029.2	-2	S	2	o	48	75	9	–	St Cu	10	–	10	*											
	Roches Pt 13-	1031.0	0	NNW	3	o	47	92	6	1500	St	10	–	10	*										–	
	Castlebay 18hr	1027.0	0	SW	3	c/r	47	85	6	1500	St	3	–	3	3		c.op.bc						0.5		–	
	Blacksod Pt 18-	1028.2	-2	S	2	o	47	75	7	–	St Cu	10	–	10	3								–		–	3.0
	Roches Pt 18-	1030.6	0	N	1	o	47	97	6	1500	St	10	–	10	0		od.om						0.4		–	*
	Castlebay 7hr	1023.3	-1	SW	4	c	50	92	7	2500	St	10	–	10	4			c.o	bc.opc	49	46	*		1	–	*
	Blacksod Pt 7-	1027.8	–	S	4	c	50	85	5	–	Cu Nb	10	–	10	6				o	49	44	*		–	–	
	Roches Pt 7-	1029.6	0	W	1	o	46	97	6	1500	St	10	–	10	0			od.d.	om	50	45	*		0.5		
23	Castlebay 13hr	1023.5	0	SW	4	op.	51	92	6	800	Cu Nb	10	–	10	*											
	Roches Pt 13-	1029.9	0	SW	2	o	51	92	6	1500	St	10	–	10	*	om.										
	Jersey 13-	1030.0	0	E	3	b.	51	65	8	–	St	10	–	10	*	b										
	Castlebay 18-	1023.0	0	SW	5	o/r	50	92	5	1500	St	10	–	10	4								0.2			
	Blacksod Pt 18-	1028.6	-1	SW	4	o	50	92	5	–	St Cu	10	–	10	4								–			
	Roches Pt 18-	1030.4	+1	SW	1	o	50	97	6	1500	St	10	–	10	0		om						–			0.7
	Castlebay 7hr	1024.0	–	WNW	4	o	48	85	7	2000	St	10	–	10	4			o.bc	op.o	51	47			0.5		*
	Blacksod Pt 7-	1030.4	+5	S	2	o	51	92	5	–	–	0	a St	10	4					51	46			0.3		*
	Roches Pt 7-	1032.8	+2	–	0	o	45	97	5	1500	St	10	–	10	0			of2	from	51	41			0.3		
24	Castlebay 13hr	1026.8	–	NW	4	o	49	85	8	3000	St Cu	9	–	9	*	o										
	Blacksod Pt 13-	1032.0	+3	SW	2	c	53	92	7	–	Cu Nb	10	–	10	*										–	
	Roches Pt 13-	1034.5	+1	–	0	o	49	97	6	2500	St Cu	10	–	10	*	om										
	Castlebay 18hr	1028.6	–	W	4	o	48	92	6	2000	St	10	–	10	4		o						–			
	Blacksod Pt 18-	1033.3	+3	SW	1	mb	47	97	7	–	Cu	7	–	7	3											

‡ The barometric change is expressed in half millibars.

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

II.—ADDITIONS.

Report for	STATION.	Barom. at M.S.L. m.b.	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	Sea. 0-9	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
24th	Blacksod Pt 18hw	1033.3	+3	SW	1	mb	47	97	7	-	Cu	7	-	7	3								3			
	Roches Pt 18-	1036.0	+2	NE	1	o	47	92	6	2500	StCu	10	-	10	0		om						-			
	Castlebay 7-	1037.2	-	NNW	2	o	43	65	8	3000	StCu	8	-	8	2			op	bc.o	49	43			-	-	0.7
	Blacksod Pt 7-	1037.1	-		o	o	49	97	5	-	NB	10	-	10	3				o.c	53	42			-	-	⊗
25th	Roches Pt 7-	1037.8	+1	WNW	1	o	47	97	6	1500	St	10	-	10	0			om	om	50	47			0.1	-	⊗
	Castlebay 13hw	1040.1	-	N	3	b	44	65	8	4000	Cu	2	-	2	⊗	o.c.b										
	Roches Pt 13-	1039.1	o	WNW	1	o	52	92	5	2500	StCu	10	-	10	⊗	o										
	Castlebay 18-	1041.6	-	N	3	c	42	75	7	3000	StCu	8	-	8	2		bc.o									
	Blacksod Pt 18-	1040.8	+3	WNW	1	b	42	97	7	-	-	o	Ci Cu	3	3											
	Roches Pt 18-	1040.1	+1	NE	1	b	48	97	7	4000	StCu	2	-	2	o		o									
	Blacksod Pt 7-	1039.1	-2	SW	2	o	47	85	5	-	StCu	10	-	10	3					51	36		-	-	-	⊗
	Birr Castle 7-	1041.1	-⊗	NW	1	b-	28	97	6	-	-	o	a Cu	2	⊗						28	21		-	-	⊗
26th	Roches Pt 7-	1040.7	o	E	1	o	43	92	6	2500	StCu	10	-	10	o			c.o.bx	bcx							⊗
	Blacksod Pt 13hw	1038.5	-2	SW	1	o	48	85	7	-	-	o	a St	10	⊗			om	bo	52	41		-	-	-	⊗
	Roches Pt 13-	1034.7	-1	E	2	o	47	75	7	4000	StCu	10	-	10	⊗	o										
	Jersey 13-	1038.8	o	E	3	b	47	75	7	4000	StCu	2	-	2	⊗	c										
	Blacksod Pt 18-	1036.4	-3	SW	1	o	47	97	5	-	StCu	10	-	10	3								0.1		-	
	Roches Pt 18hw	1038.0	o	E	1	b	41	92	8	-	-	o	a Cu	2	o		o.c.b						-		-	
	Castlebay 7-	1025.5	o	NW	3	op%	45	92	6	1500	St	10	-	10	3			op	bc.o	51	44			1	-	
	Blacksod Pt 7-	1032.7	-2	W	4	o-	48	92	5	-	NB	10	-	10	3					50	45			1	-	⊗
27th	Roches Pt 7-	1034.6	-1	NW	2	o	43	92	8	2500	StCu	7	Ci St	10	5			c.o	c.o	48	39			0.1	-	⊗
	Castlebay 13hw	1028.3	+2	NW	3	o	43	85	8	1500	St	10	-	10	⊗	op.o										
	Roches Pt 13-	1032.6	-2	W'N	4	c-	50	85	8	-	Cu	8	-	8	⊗											
	Castlebay 13-	1032.8	-1	NW	3	o+	51	85	7	2500	StCu	9	-	9	⊗	o.c.o.										
	Blacksod Pt 18-	1030.5	+2	W	1	o	42	85	6	1500	St	10	-	10	2		o						0.1		-	
	Roches Pt 18-	1033.2	+2	NW	4	b	48	75	7	-	-	o	Ci	1	o								-		-	
	Blacksod Pt 18-	1032.4	o	NW	3	b	47	85	8	2500	StCu	1	Ci	5	o		opo.o.b						0.3		-	
	Roches Pt 7-	1034.7	+2	W	4	c	50	85	5	-	StCu	8	-	8	3				c	51	46			0.1	-	⊗
28th	Blacksod Pt 7-	1034.8	+1	NNW	3	cp%	46	92	8	4000	CuNB	7	-	7	o			cpo	bc	51	44			0.5	-	⊗
	Roches Pt 13-	1034.3	-2	W	2	o	50	85	9	-	StCu	10	-	10	⊗	c										
	Blacksod Pt 13-	1035.2	o	NW	3	o	50	85	8	5700	StCu	10	-	10	⊗	o										
	Roches Pt 18-	1034.0	-2	WSW	4	o	51	92	7	-	StCu	10	-	10	3		c						-			
	Blacksod Pt 18-	1035.9	+2	NW	1	o	46	92	7	4000	StCu	10	-	10	o								-			
	Birr Castle 7-	1031.0	-3	W	4	o	50	97	5	-	StCu	10	-	10	3		o.bco						-			
	Roches Pt 7-	1031.4	-⊗	W	1	o+	50	92	6	800	StCu	10	-	10	⊗					52	48		-	-	-	⊗
29th	Blacksod Pt 7-	1033.3	-1	NW	3	b	43	92	8	-	-	o	-	o	o			o.	c.o		41	31		-	-	
	Roches Pt 13-	1029.5	-3	W	4	bc	50	85	7	-	-	o	a Cu	6	⊗			c.b	o.cbwc	51	43			trace	-	⊗
	Blacksod Pt 13-	1031.9	-1	WNW	3	b+	51	85	8	4000	Cu	2	-	2	⊗	b.bc										
	Roches Pt 18-	1028.2	o	W	4	o	51	85	7	-	-	o	a Cu	10	3								-		-	
	Leuchars 18-	1030.8	o	WNW	2	o	48	92	8	4000	StCu	10	-	10	o		b.o						-		-	
	Blacksod Pt 7-	1013.6	+1	W	5	c	52	75	8	4000	StCu	5	Cu	8	⊗				c	56	50	42	-	-	-	0.5
	Birr Castle 7-	1026.6	o	W	2	om	48	85	3	-	CuNB	10	-	10	o					52	45	⊗		0.5	-	⊗
	Roches Pt 7-	1026.6	⊗	W	2	o+	47	85	5	800	StCu	10	-	10	⊗			o.	c.		43			-	-	0.8
30th	Plymouth 7hw	1029.3	o	NW	1	o	47	92	7	4000	StCu	10	-	10	o			o.c.	o	52	47			-	-	⊗
	Blacksod Pt 13hw	1026.6	o	W	3	bc-	47	92	8	4000	StCu	5	-	5	o				c.bc	53	41	36	-	-	-	0.0
	Roches Pt 13hw	1024.4	-4	SW	4	c	49	75	9	-	CuNB	8	-	8	⊗											
	Blacksod Pt 13-	1028.5	-1	-	o	o	49	85	8	4000	StCu	10	-	10	⊗	oo										
	Roches Pt 18-	1022.7	-1	SW	4	o	48	75	7	-	StCu	9	-	9	4		form						1			
	Andover 18-	1027.5	o	NW	1	o	49	85	8	2500	St	10	-	10	o		oo						-			
	Blacksod Pt 13hw	1023.3	+1	W	5	b-	51	70	7	-	-	o	a St	1	6	omcbcb										
	Roches Pt 7hw	1014.5	-4	WSW	5	op%	53	92	5	-	NB	10	-	10	6				Tid	50	45			5	-	⊗
	7-	1023.9	-1	SW	4	o	47	92	8	2500	StCu	10	-	10	3			o1T.o	1T.o	50	46			0.3	<2100	⊗

‡ The barometric change is expressed in half millibars.

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