M.O. FORM 2373

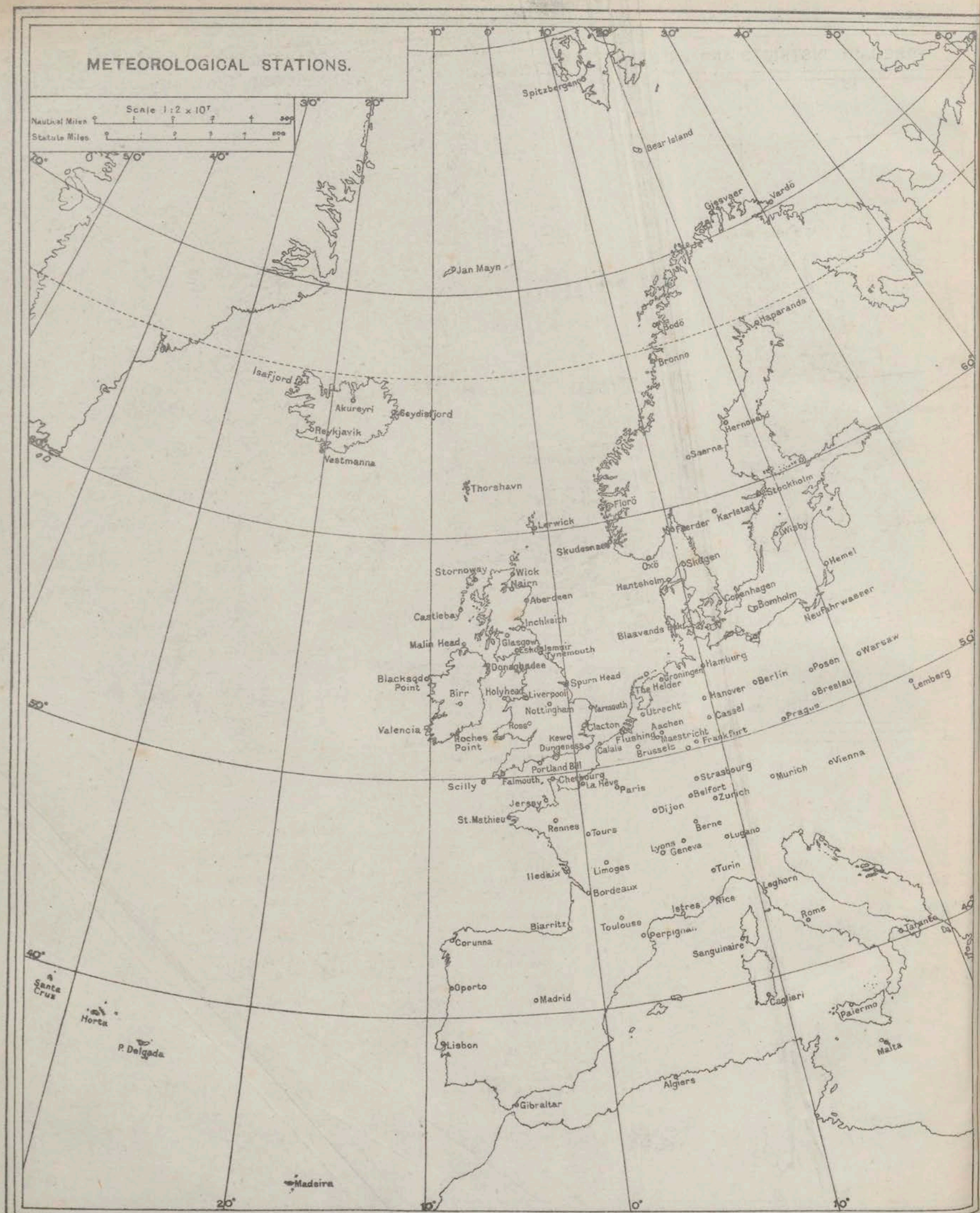
AIR MINISTRY.

METEOROLOGICAL OFFICE.

LONDON.

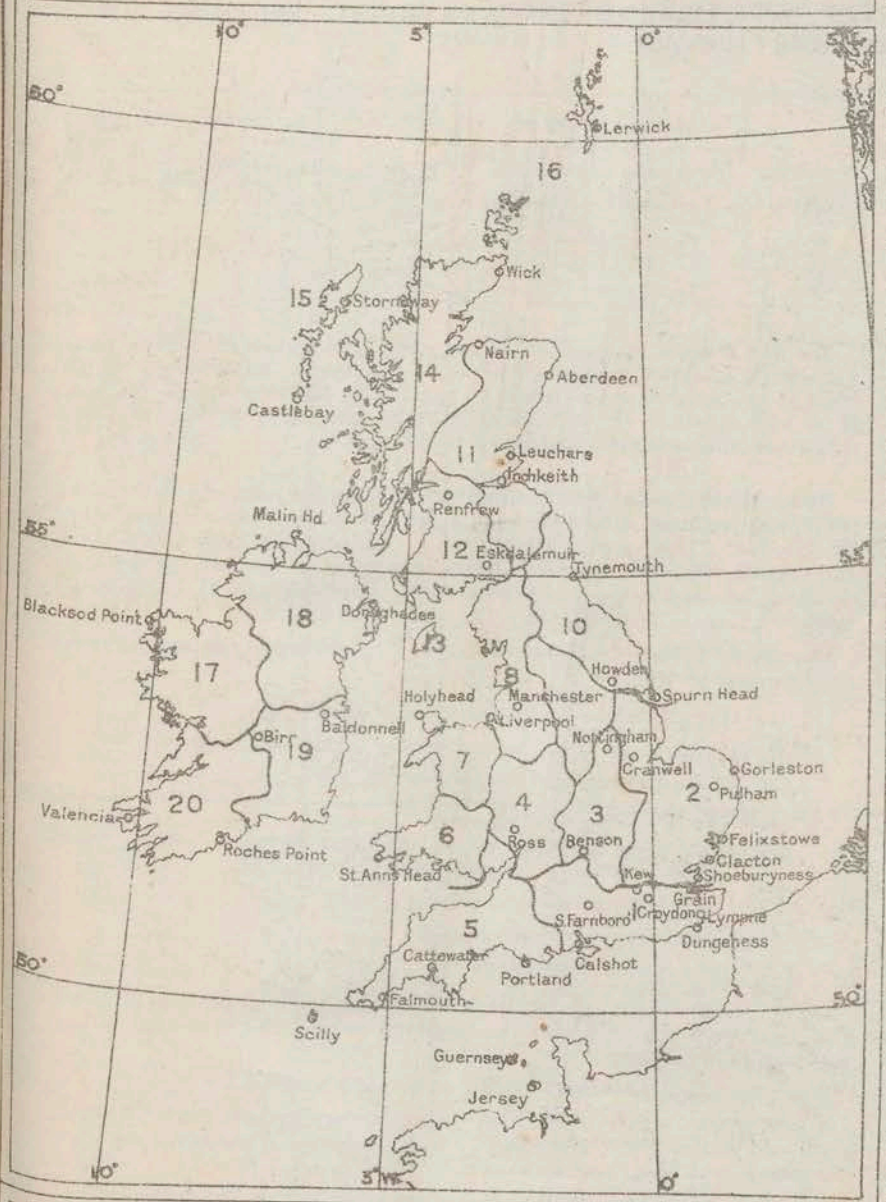
DAILY WEATHER REPORTS

1ST OCTOBER TO 31ST DECEMBER, 1921.

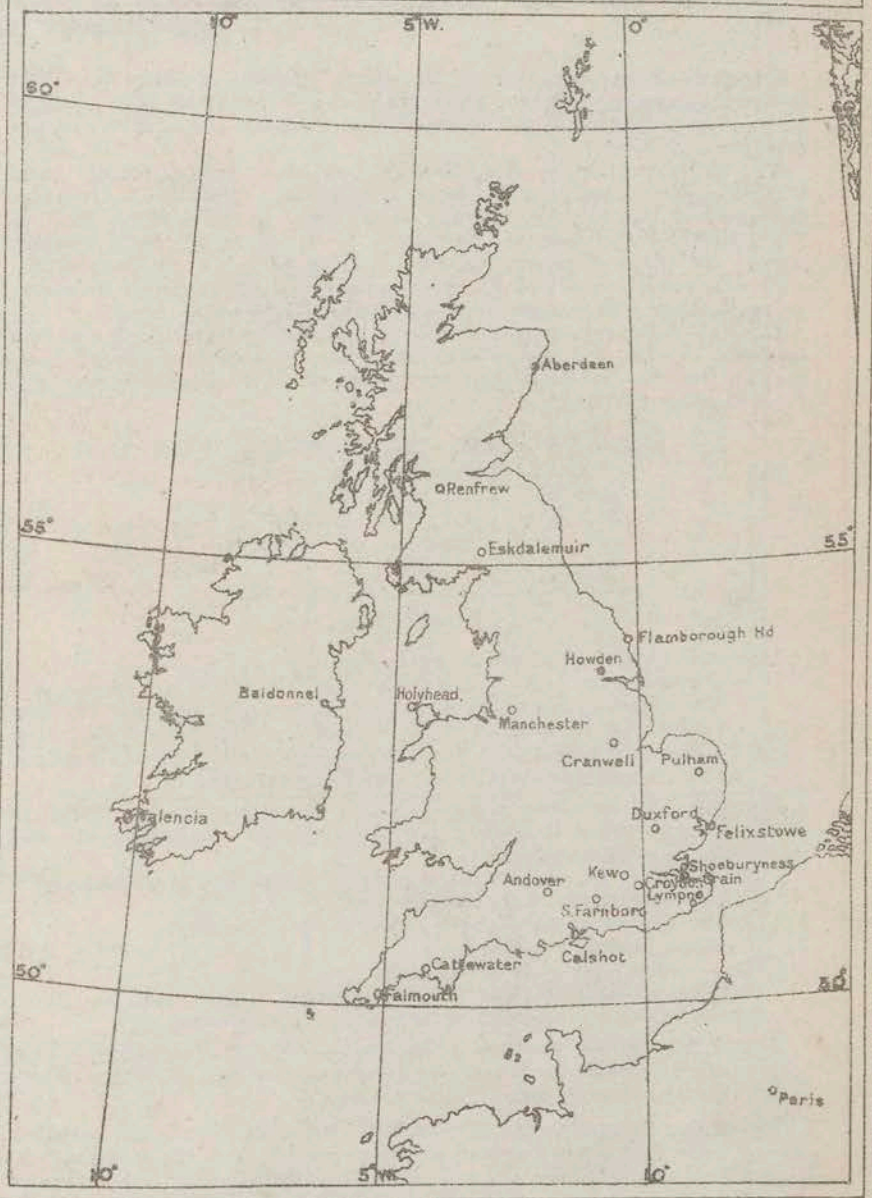


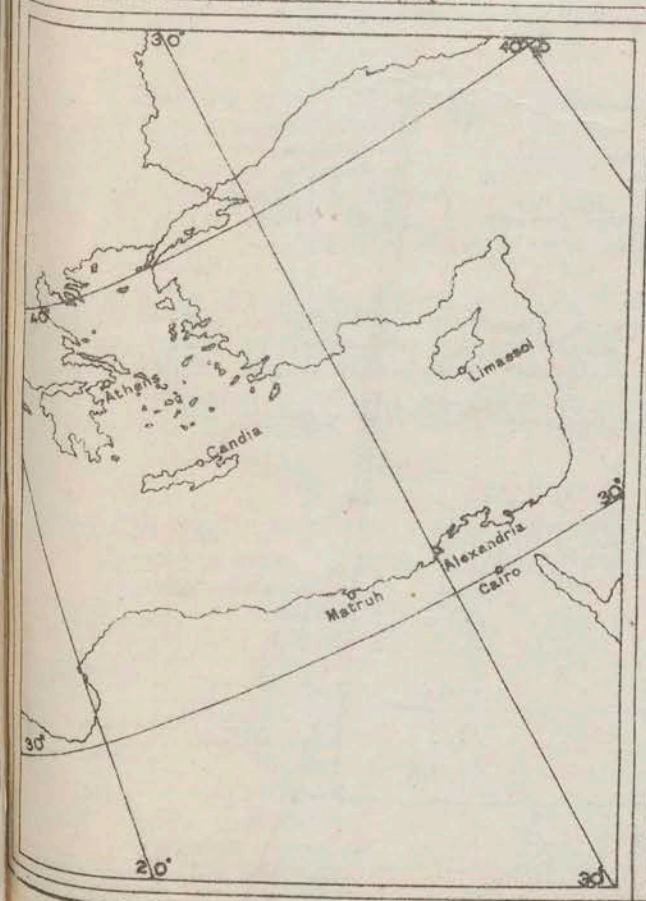
H.M. Stationery Office Press, Kingsway, W.C.2.

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 ¼ clouded ◔
Sky ½ clouded ◑ Sky ¾ clouded ◕
Overcast sky ● Rain falling ●
Snow ✳ Sleet ✳
Fog ≡ Hail ▲
Thunder T 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.

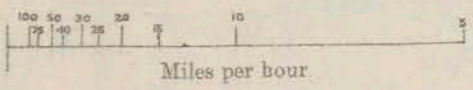
Pressure.—The distribution of barometric pressure at Mean Sea Level is shown by means of isobars which are drawn for intervals of 2 millibars on the British Section of the Report and for intervals of 4 millibars on the International Section.

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 " " $1 : 5 \times 10^6$ "



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.

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

* 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.

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

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. (Not at present recorded.)

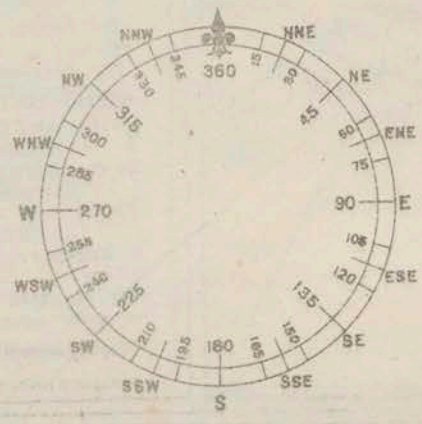
Fifth column. Direction. This indicates the direction from which the maximum intensity of atmospherics is proceeding. Directions are given in degrees (*see* diagram below).

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.)



Notes.—Ships' Reports.

CODE FOR SWELL.

0 No or slight Swell	Sea Smooth to Moderate
1 Moderate Swell ..	
2 Heavy " ..	
3 Long low " ..	
4 Confused " ..	
5 No or slight Swell	Sea Rough or above.
6 Moderate Swell ..	
7 Heavy " ..	
8 Long low " ..	
9 Confused " ..	

VISIBILITY.

Visibility 9 has the significance "Fog in patches": other numbers approximately as in land reports.

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	45·1	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	1889	14	1909	19	75	2·95	1·83	23
	Leith	1009·0	42·0	48·5	38·0	63	1885	18	1885	15	50	1·95	—	—
	Tynemouth	1009·9	41·8	48·4	38·1	62	1894	20	1912	16	54	2·13	—	—
	Spurn Head	1010·4	43·8	48·2	40·8	61	1894, 1895	28	1884	16	47	1·85	[1·90]**	[23]**
	Yarmouth	1011·6	43·3	48·5	39·6	60	1895, 98, 99, 1904	23	1890	18	61	2·41	[2·33]§	[27]§
	Clacton-on-Sea	1012·4	43·0	48·5	39·7	[60]‡	[1908]‡	[25]‡	1904]‡	15	47	1·86	2·33	27
	Nottingham	1011·9	40·7	48·4	37·1	63	1895	13	1904	19	48	1·88	1·37	16
	LONDON (Kew Obsy.)	1013·2	41·9	49·1	38·8	52	1881, 94, 95	21	1901	16	56	2·22	1·73	20
DECEMBER.	Lerwick	1000·9	40·4	43·6	36·6	53	1890, 1905	19	1909	27	122	4·79	—	—
	Stornoway	1000·9	40·3	44·4	35·4	55	1898, 1913	16	1912	26	159	6·25	0·74	12
	Castlebay (Barra Isd.)	[1000·5]§	[44·1]§	[46·9]§	[40·1]§	[54]§	[1912]§	[26]§	[1912]§	[26]§	[146]§	[5·74]§	[0·77]§	[12]§
	Eskdalemuir	[1003·9]¶	[36·7]¶	[42·1]‖	[33·0]‖	[52]‖	[1910, 12]‖	[8]‖	[1912]‖	[26]‖	[204]‖	[8·04]‖	[0·74]‖	[11]‖
	Malin Head	1001·6	42·3	[45·7]*	[38·6]*	[55]*	[1900, 04, 13]*	[28]*	[1906, 1909]*	[24]*	[85]*	[3·35]*	—	—
	Blacksod Point	1003·0	44·4	[47·5]*	[39·9]*	[59]*	[1899]*	[25]*	[1906]*	[26]*	[155]*	[6·12]*	—	—
	Valencia	1005·8	45·4	49·8	41·1	57	1884, 88, 99, 1900	24	1886	26	169	6·64	1·32	17
	Roche's Point	1006·9	44·5	48·8	40·4	57	1906	25	1882	23	135	5·32	—	—
	Birr Castle	1005·2	40·5	46·1	35·0	58	1900	10	1882	21	84	3·29	1·39	19
	Donaghadee	1004·4	41·8	45·9	37·2	56	1885, 88, 94, 1909, 12, 13	21	1909	21	81	3·17	—	—
	Liverpool (Observatory)	1006·7	41·2	44·8	36·8	59	1891, 98, 1900	17	1882, 1890	19	67	2·65	[1·39]§	[19]§
	Holyhead	1005·8	44·5	46·9	39·9	56	1888	26	1890, 1902	20	106	4·16	[1·77]**	[24]**
	Pembroke (St.Ann's Hd.)	1006·9	45·5	48·1	41·3	57	1899, 1902	19	1890	22	115	4·52	1·35	18
	Scilly (St. Mary's)	1008·6	47·6	50·7	44·0	58	1899, 1900	30	1890	23	111	4·36	1·81	23
	Falmouth	1009·5	45·5	48·8	41·6	57	1899	25	1886, 1890	23	159	6·27	1·77	22
	Jersey (St. Aubin's)	1011·5	46·2	48·8	41·1	59	1898	22	1890	22	105	4·15	1·87	23
	Portland Bill	1009·1	46·5	48·1	41·2	[56]†	[1906, 07, 13]†	[24]†	[1908]†	19	75	2·94	—	—
	Dungeness	1009·5	43·2	46·2	37·1	56	1897, 98, 1900, 07	12	1890	17	70	2·77	—	—
	Dover	[1010·2]§	[42·4]§	[46·7]§	[38·4]§	[54]§	[1912, 14, 15]§	[18]§	[1908]§	[21]§	[105]§	[4·12]§	[1·45]§	[19]§
	Wick	1001·3	39·3	43·6	34·3	58	1906, 1907	10	1906	22	78	3·08	—	—
	Nairn	1001·9	37·4	43·0	32·1	58	1900	8	1912	19	56	2·22	[1·16]‡	[18]‡
	Aberdeen	1003·3	38·5	42·9	34·2	57	1885, 98, 1906, 10, 12	6	1882	19	82	3·22	1·16	18
	Leith	1003·8	40·5	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.

‡ The barometric change is expressed in half millibars.

AIR MINISTRY.

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.

OCTOBER, 1921.

The first three weeks of October were noteworthy for the continued dryness in many parts of East and South-East England and the abnormally high temperature experienced both during the day and night, particularly in the Southern half of the Kingdom. At Kew maxima of 83°F, 82°F and 80°F were recorded on the 5th, 6th and 7th, the previous October record at Kew for 50 years being 77°F on October 4th 1886, while night minima of 62°F at Kew, 63°F at Valencia and 60°F at Falmouth are records for the time of year at each of these observatories. On the 22nd a burst of polar air, in the rear of a deep depression which crossed Ireland and Northern England to Denmark, caused a large drop in temperature, with local hail or sleet showers. Maxima of 36°F & 48°F were registered at Eskdalemuir on the 22nd and at Kew on the 24th respectively, while temperature in the screen fell to 22°F at Renfrew and 29°F at Benson on the 24th. Subsequently an anticyclone moved Eastwards from the Atlantic giving generally dry weather, with a varying amount of cloud in Ireland and England, though a depression which developed over Southern Scandinavia caused gales in Scotland and Northern Ireland on the 29th.

In the North-West and North of the British Isles unsettled conditions prevailed generally throughout the Month with heavy local rain. During the 24 hours ended 7 a.m. on the 10th, 78mm were measured at Blacksod Point and 35mm at Castlebay, while the total rainfall at the former station was nearly twice the normal for October.

Thunderstroms occurred at times during the first ten days and again on the 19th and 20th. Gales were reported locally in the English Channel on the 22nd and 23rd.

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

Height.	Station.	No. of Obs.	Under 10 m.p.h.	10–25 m.p.h.	25–45 m.p.h.	45–70 m.p.h.	Above 70 m.p.h.
ft.							
2,000	Valencia.	25	10	11	4	0	0
5,000		13	1	10	2	0	0
10,000		5	1	4	0	0	0
15,000		2	1	0	1	0	0
2,000	Lympne.	76	20	44	10	2	0
5,000		40	11	19	10	0	0
10,000		19	2	11	6	0	0
15,000		10	0	9	1	0	0
2,000	Eskdalemuir.	11	3	6	2	0	0
5,000		8	2	4	2	0	0
10,000		3	0	2	1	0	0
15,000		1	0	1	0	0	0

SURFACE VISIBILITY. [No. of observations within fixed limits of telegraphic code (see p. 3).]

1H.

STATIONS.	0	1	2	3	4	5	6	7	8	9
Lerwick	1	0	1	0	0	2	8	16	3	0
Stornoway	0	0	0	0	8	12	8	2	1	0
Renfrew	0	0	1	1	0	2	3	6	18	0
Eskdalemuir	*	*	*	*	*	*	*	*	*	*
Malin Head	0	0	0	1	0	0	1	11	17	1
Blacksod Point	0	0	0	0	1	0	9	16	5	0
Valencia	*	*	*	*	*	*	*	*	*	*
Roche's Point	*	*	*	*	*	*	*	*	*	*
...onnel	0	0	0	0	0	1	1	9	20	0
Manchester (Alexandra Park)	*	*	*	*	*	*	*	*	*	*
Holyhead	0	0	0	0	1	1	0	5	24	0
Pembroke (St. Ann's Head)	0	1	0	0	0	0	0	3	15	12
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*
Scilly	1	0	0	0	1	0	0	4	20	5
...mouth	*	*	*	*	*	*	*	*	*	*
...water	0	1	0	2	2	0	1	3	20	2
...ot	0	0	1	0	1	0	3	7	18	1
...gate	0	0	0	0	0	0	5	15	10	1
Aberdeen	*	*	*	*	*	*	*	*	*	*
Tynemouth	0	0	2	0	1	5	1	13	3	0
...den	0	0	3	3	8	8	5	3	1	0
...well	0	0	0	2	3	6	14	4	2	0
...towe	*	*	*	*	*	*	*	*	*	*
...mouth	0	0	1	1	1	4	0	10	13	1
Shoeburyness	*	*	*	*	*	*	*	*	*	*
Isle of Grain	*	*	*	*	*	*	*	*	*	*
...on	*	*	*	*	*	*	*	*	*	*
Farnboro'	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	*	*	*	*	*
...don	0	1	0	1	0	4	4	6	15	0

7H.

STATIONS.	0	1	2	3	4	5	6	7	8	9
Lerwick	0	1	0	1	2	4	5	10	8	0
Stornoway	0	0	0	0	0	2	15	14	0	0
Renfrew	0	1	1	3	1	2	3	3	17	0
Eskdalemuir	0	0	2	1	0	2	5	4	17	0
Malin Head	0	2	0	0	0	0	0	5	23	1
Blacksod Point	0	0	0	0	3	0	3	20	5	0
Valencia	0	0	0	0	0	3	3	3	15	7
Roche's Point	0	0	0	1	0	4	6	10	9	1
...onnel	0	0	0	0	3	2	4	5	17	0
Manchester (Alexandra Park)	*	*	*	*	*	*	*	*	*	*
Holyhead	0	0	1	0	1	0	1	6	9	13
Pembroke (St. Ann's Head)	0	0	0	0	0	0	1	3	19	8
Ross-on-Wye	0	5	1	5	2	1	2	5	4	6
Scilly	2	2	0	0	1	0	1	3	14	8
...mouth	0	2	2	0	2	4	5	8	10	1
...water	0	1	0	1	1	0	6	8	11	3
...ot	1	2	1	0	1	7	4	7	7	1
...gate	0	3	0	2	1	3	7	7	7	1
Aberdeen	0	0	1	1	0	7	3	5	14	0
Tynemouth	0	1	0	1	3	7	4	13	2	0
...den	2	2	1	3	8	5	6	3	1	0
...well	0	3	1	0	0	3	18	2	4	0
...towe	0	2	1	3	4	4	2	6	8	1
...mouth	1	0	1	4	2	7	3	11	2	0
Shoeburyness	2	4	2	3	9	5	0	5	1	0
Isle of Grain	7	0	1	3	2	3	6	5	4	0
...on	1	0	1	4	5	6	3	2	8	1
Farnboro'	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	8	3	1	3	0	4	7	3	1	1
...don	1	2	2	1	1	6	5	8	5	0

13H.

STATIONS.	0	1	2	3	4	5	6	7	8	9
Lerwick	0	2	0	1	0	3	5	12	8	0
Stornoway	0	0	0	0	0	2	13	15	1	0
Renfrew	0	0	0	2	2	1	5	3	18	0
Eskdalemuir	0	0	0	1	1	4	5	1	21	1
Malin Head	0	0	1	0	0	0	1	7	19	3
Blacksod Point	0	0	0	0	2	1	4	7	15	2
Valencia	0	0	0	0	0	0	3	1	16	11
Roche's Point	0	0	0	0	0	2	6	3	18	2
...onnel	0	0	0	0	0	1	2	6	19	3
Manchester (Alexandra Park)	*	*	*	*	*	*	*	*	*	*
Holyhead	0	0	0	0	0	1	0	3	21	6
Pembroke (St. Ann's Head)	0	0	0	0	0	0	1	6	16	8
Ross-on-Wye	0	0	0	0	0	0	1	6	14	10
Scilly	0	1	0	1	0	0	0	5	17	7
...mouth	0	0	1	1	1	1	4	7	12	4
...water	0	0	0	1	0	0	2	7	15	6
...ot	0	0	0	0	0	0	0	5	25	1
...gate	0	0	0	0	0	2	6	4	14	5
Aberdeen	0	0	1	0	0	1	2	8	17	2
Tynemouth	0	0	0	0	3	3	8	12	4	1
...den	0	0	0	0	2	12	7	4	5	1
...well	0	0	0	0	0	0	10	10	10	1
...towe	0	0	0	0	1	0	2	6	18	4
...mouth	0	0	0	0	0	5	7	12	7	0
Shoeburyness	0	0	0	0	3	5	9	10	4	0
Isle of Grain	0	0	0	0	1	0	6	10	12	2
...on	0	0	0	0	0	3	5	5	10	8
Farnboro'	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	0	0	0	0	1	2	4	7	16	1
...don	0	0	0	2	0	0	4	6	17	2

18H.

STATIONS.	0	1	2	3	4	5	6	7	8	9
Lerwick	0	1	1	0	1	2	5	12	9	0
Stornoway	0	0	0	1	0	2	17	10	1	0
Renfrew	0	0	0	1	4	3	2	4	17	0
Eskdalemuir	0	0	0	2	2	0	8	6	5	0
Malin Head	0	0	0	0	0	1	5	3	19	3
Blacksod Point	0	0	0	0	2	1	8	12	8	0
Valencia	0	0	0	0	0	1	0	4	13	13
Roche's Point	0	0	1	2	0	3	1	9	15	0
...onnel	0	0	0	0	0	3	2	7	17	2
Manchester (Alexandra Park)	*	*	*	*	*	*	*	*	*	*
Holyhead	0	0	0	0	1	0	0	3	24	3
Pembroke (St. Ann's Head)	0	0	0	0	1	0	1	1	18	10
Ross-on-Wye	0	0	0	0	0	0	4	3	16	8
Scilly	1	1	0	0	0	0	1	2	20	6
...mouth	0	2	0	0	1	6	4	11	5	2
...water	0	0	0	0	0	0	2	8	18	3
...ot	0	1	0	0	0	0	0	10	20	0
...gate	0	1	0	0	1	3	4	7	15	0
Aberdeen	0	0	1	0	1	3	8	6	12	0
Tynemouth	0	0	0	2	4	12	4	9	0	0
...den	0	0	0	0	6	11	6	5	3	0
...well	0	0	0	0	0	1	15	10	5	0
...towe	0	0	0	0	1	0	5	8	12	5
...mouth	0	0	0	0	1	6	4	14	6	0
Shoeburyness	0	1	1	2	3	1	8	14	1	0
Isle of Grain	0	0	0	0	0	2	5	12	10	2
...on	0	0	0	0	1	3	3	12	11	1
Farnboro'	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	0	0	1	0	6	5	9	2	8	0
...don	0	0	0	1	1	4	8	10	6	0

H.M. Stationery Office Press, Kingsway, W.C.2.
Pr. 3147/397 wt. 114 5.623 815 11/21

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	60-68	69-77	78-86	† Minimum. 23 or below	24-32	33-41	42-50	51-59	60-68	Extremes:—Warmest and Coldest Days. Highest Maximum. °F	Date.	Lowest Maximum. °F	Date.	Nights. Highest Minimum. °F	Date.	Lowest Minimum. °F	Date.	Number of Ground Frosts.	Low Cloud. Number of observations within fixed limits. 1H. Below 1,500 ft.	1,500-5,000 ft.	5,000-10,000 ft.	7H. Below 1,500 ft.	1,500-5,000 ft.	5,000-10,000 ft.	13H. Below 1,500 ft.	1,500-5,000 ft.	5,000-10,000 ft.	18H. Below 1,500 ft.	1,500-5,000 ft.	5,000-10,000 ft.
Aberdeen ...	1	2	16	11	1	0	0	0	6	16	10	0	71	10	41	22	56	18	35	23	2	*	*	*	2	19	4	2	18	4	2	19	5
Leith (Inchkeith)	0	3	20	8	0	0	0	0	4	8	19	0	67	1	42	22	57	18	37	24	0	*	*	*	*	*	*	*	*	*	*	*	*
Renfrew ...	1	2	16	10	2	0	1	1	2	17	10	0	74	9	41	22	59	6	22	24	3	4	19	3	2	26	0	2	26	2	8	19	2
Eskdalemuir ...	2	3	18	6	2	0	0	4	5	14	8	0	71	9	36	22	58	6	24	24	5	*	*	*	17	11	0	13	14	0	14	12	2
Tynemouth ...	0	3	9	17	2	0	0	0	3	13	15	0	71	6	46	24	58	8	36	23	*	1	10	3	4	21	6	0	21	1	0	17	7
Howden ...	0	1	7	19	4	0	0	0	12	9	10	0	74	9, 10	49	24	59	8	34	23, 24	5	2	22	0	7	23	0	0	21	2	1	28	0
Cranwell ...	0	2	12	11	6	0	0	0	9	11	11	0	76	6	44	23	58	5	34	24	3	4	9	4	9	15	1	3	17	8	3	13	8
Yarmouth ...	0	2	9	16	4	0	0	0	3	13	15	0	73	7, 10	49	23	59	4, 6, 10, 11	38	25	0	0	5	3	1	7	6	0	8	14	0	4	3
Nottingham ...	0	2	8	13	7	1	0	0	8	11	11	1	79	6	46	23	60	19	36	23, 24	0	*	*	*	2	10	0	0	17	0	1	14	0
I. of Grain ...	0	1	6	10	11	3	0	1	11	6	10	3	78	8	49	23	61	6	30	25	3	*	*	*	6	9	3	1	14	1	1	8	1
Benson... ...	0	2	8	8	10	3	0	4	10	4	13	0	81	5	46	23	59	5, 10	29	24, 25	7	*	*	*	*	*	*	*	*	*	*	*	*
London ... (Kew Obsy.)	0	2	4	13	9	3	0	0	10	8	12	1	83	5	48	23	62	3	35	25	3	*	*	*	12	10	0	1	10	6	1	9	3
Croydon ...	0	2	7	9	8	5	0	1	6	9	12	3	83	6	47	23	62	6	32	25	2	2	7	0	8	6	4	3	15	1	2	9	1
Manchester ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Bidston ...	0	1	14	12	4	0	0	0	3	15	13	0	73	6	44	23	58	7, 8, 11	39	24	0	*	*	*	4	24	2	5	22	3	4	22	2
Holyhead ...	0	1	11	16	3	0	0	0	0	7	23	1	76	9	48	23	61	10	44	20, 23	0	6	12	0	12	16	0	6	18	0	5	20	2
Falmouth ...	0	0	8	22	1	0	0	0	2	8	19	2	72	6	54	24	60	3, 5	34	24	1	*	*	*	*	*	*	*	*	*	*	*	*
Calshot ...	0	1	6	20	4	0	0	0	4	8	16	4	71	18	50	24	62	10	36	25	0	5	8	0	8	11	0	1	13	1	3	12	2
Lympne ...	0	2	6	13	10	0	0	0	5	11	11	4	76	5	48	23	61	6	36	24	4	0	9	0	8	6	3	5	17	0	3	12	4
Dublin (Phœnix Park)	0	1	12	14	4	0	0	4	8	11	8	0	72	5, 8	48	23	58	5, 13	30	20, 24	5	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnel ...	0	1	14	12	4	0	0	1	5	11	13	1	73	5	48	23	60	5	32	24	3	0	19	1	3	14	1	7	23	0	9	21	1
Birr Castle ...	0	2	12	15	2	0	0	2	5	7	16	1	69	4, 5	49	22	60	2	30	24	4	*	*	*	9	21	0	3	27	0	5	21	0
Valencia ...	0	0	14	15	2	0	0	0	2	10	13	6	69	2	55	24, 30	63	5	37	20	0	*	*	*	14	14	3	12	18	0	14	14	1

UPPER AIR TEMPERATURE.

Pressure.	Normal Height.	Normal Temperature.	Baldonnel. Mean.	No. of Reports.	Shoeburyness. Mean.	No. of Reports.	S. Farnboro'. Mean.	No. of Reports.	Andover. Mean.	No. of Reports.
mb.	feet.	°F.	°F.		°F.		°F.		°F.	
950	1760	46	53	19	52	7	50	5	53	9
850	4700	40	49	19	43	1	51	5	49	9
750	8040	31	40	20	40	8	42	4	40	9
650	11,750	21	27	18	28	0	29	1	29	7
550	15,960	6	23	1	0	0	0	0	13	4

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 %
Renfrew ...	0	3	16	7	5	0	0	0	0
Eskdalemuir ...	1	2	5	8	7	5	2	1	0
Valencia ...	0	0	11	10	6	4	0	0	0
Falmouth ...	0	4	7	9	5	6	0	0	0
Aberdeen ...	0	0	7	10	6	5	3	*	*
Leith	*	*	*	*	*	*	*	1	0
Benson ...	0	0	2	4	11	8	5	2	
London (Kew Obsy.) ...	0	0	1	4	8	8	8		

METEOROLOGICAL OFFICE: Air Ministry, Kingsway, W.C.2.

Since March 1st 1921, the readings used have been the maximum for the period 7h-18h and the minimum for the period 18h-7h. Previously the period was 7h-7h.

RAINFALL, HUMIDITY AND LOW CLOUD. OCTOBER, 1921.

Equivalents of Temperature. A°.	F°.
283·6	51
288·0	59
288·6	60
290·0	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.	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.
Aberdeen ...	5	14	7	4	1	9·5	9	1465	+78	79	-16	17	5	6	3	0	0	488	-260	38	-38	0	0
Leith (Inchkeith)	*	*	*	*	*	*	*	*	*	*	*	16	2	7	5	0	1	*	*	94	+33	0	0
Renfrew ...	*	*	*	*	*	*	*	*	*	*	*	13	2	6	9	1	0	1042	*	115	*	0	1
Eskdalemuir ...	11	9	5	6	0	9·0	12	1333	*	83	*	11	6	7	5	1	1	1462	*	120	*	0	1
Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	21	7	1	1	0	1	529	-92	46	-30	0	0
Howden ...	4	6	9	12	0	8·9	11	1529	*	142	*	20	5	3	3	0	0	292	*	38	*	2	0
Cranwell ...	2	8	9	12	0	9·0	6, 15, 24	1790	*	149	*	20	6	2	2	0	1	429	*	64	*	0	0
Yarmouth ...	4	8	8	10	1	9·4	6	1985	*	141	*	23	4	3	1	0	0	329	-293	23	-51	0	0
Nottingham ...	6	7	8	10	0	9·0	6	1506	+181	127	+44	20	5	2	3	1	0	?482	?-116	?63	?0	0	0
I. of Grain ...	1	7	9	11	3	10·0	6	*	*	160	*	26	3	2	0	0	0	*	*	6	*	1	0
Benson	*	*	*	*	*	*	*	*	*	*	*	22	3	4	2	0	0	316	*	28	*	0	0
London (Kew Obsy.) ...	0	8	12	10	1	9·5	6	1672	+197	152	+60	24	4	2	1	0	0	317	-289	11	-58	0	0
Croydon ...	1	4	11	8	7	9·9	5, 6	*	*	184	*	25	2	4	0	0	0	328	*	17	*	2	0
Manchester ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Bidston ...	2	14	3	12	0	8·4	21	1596	*	111	*	21	1	3	5	1	0	517	-192	75	-8	0	0
Holyhead ...	5	12	7	6	1	9·4	9	1614	*	101	*	17	7	2	4	1	0	880	-8	72	-29	0	0
Falmouth ...	4	12	7	8	0	8·5	30	1852	+93	111	-5	17	7	3	2	2	0	723	-384	76	-50	2	0
Calshot... ...	1	6	8	11	5	10·0	5	2030	*	178	*	25	3	2	1	0	0	345	*	17	*	1	0
Lympne ...	2	6	5	11	7	10·4	1	2027	*	184	*	25	5	1	0	0	0	393	*	7	*	1	0
Dublin ... ... (Phœnix Park)	8	15	6	2	0	8·9	14	1502	-5	42	-42	13	5	10	3	0	0	655	-50	63	-4	1	0
Baldonnel ...	5	16	4	5	1	9·2	14	1417	*	75	*	14	5	8	4	0	0	642	*	60	*	1	0
Birr Castle ...	8	16	6	1	0	8·7	14	1377	+34	53	-45	10	6	11	4	0	0	735	-94	68	-6	0	0
Valencia ...	11	9	9	2	0	8·8	14	1421	-24	68	-33	12	4	8	5	2	0	1257	-157	106	-36	0	0

TELEGRAPHIC CODE.

Figure.	Distance of Visibility (Yards).
0	less than 50
1	" " 200
2	" " 1,100
3	" " 2,300
4	" " 4,400
5	" " 7,700
6	" " 13,200
7	" " 22,000
8	beyond 22,000
9	exceptional.

REMARKS ON CHART OF ISOPLETHS FOR OCTOBER 1921. (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 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.

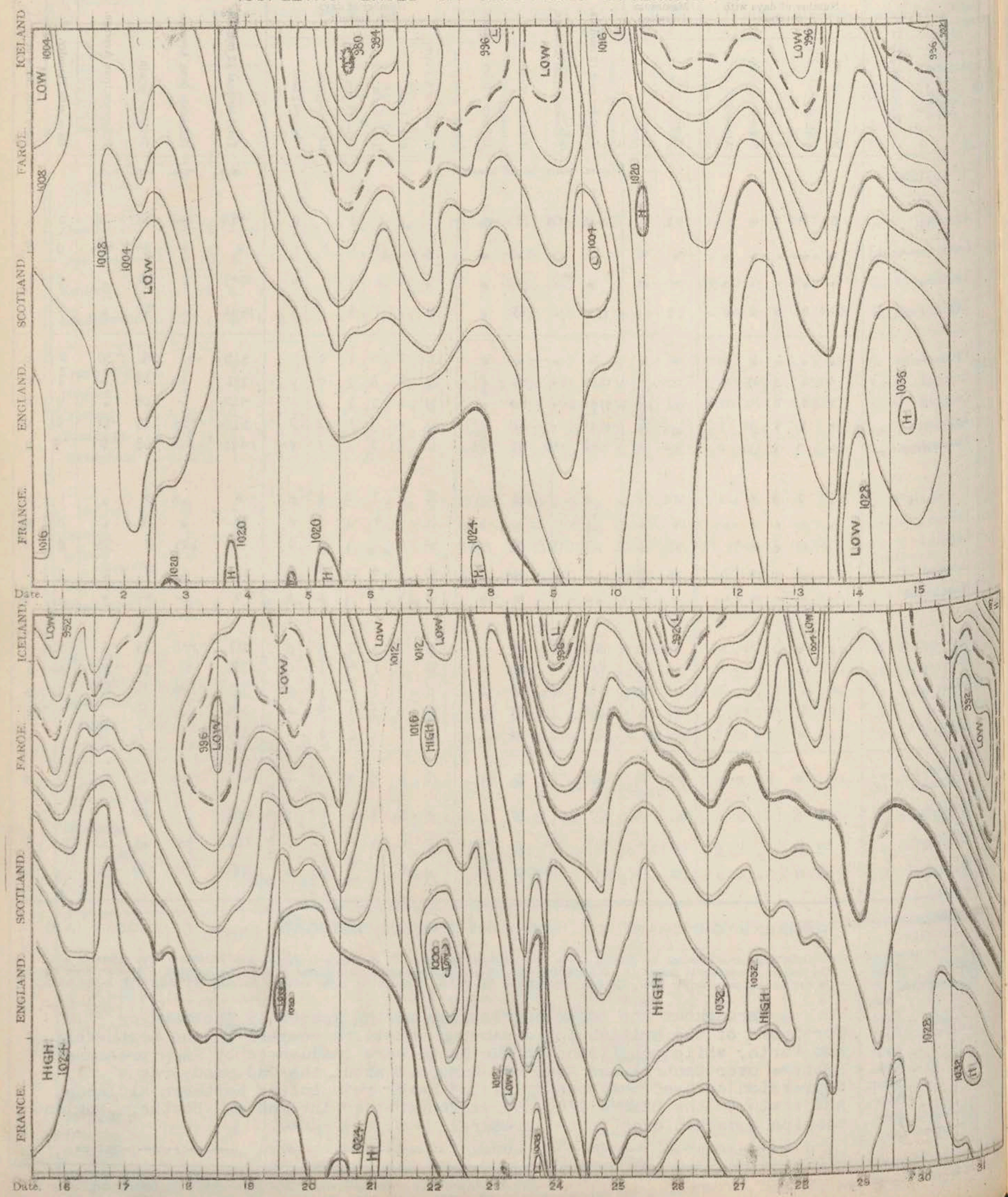
Throughout the month depressions passed generally Westward or Northward of the British Isles causing unsettled weather in the North-West and North, while conditions in the South were influenced by high pressure systems over Central and Southern Europe. About the 2nd. and 3rd. a depression crossed the country giving heavy rain in the Northern Midlands, and again on the 22nd a deep depression crossed Ireland and Northern England causing a marked drop in temperature.

——— = 1,020 mb. — — — — — = 1,000 mb. ×—×—×—× = 980 mb. —o—o—o— = 960 mb.

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

PRESSURE: ICELAND TO GULF OF LIONS ..... OCTOBER ..... 1921.

ISOPLETHS* BASED ON SIX-HOURLY OBSERVATIONS.



* For explanation and notes on diagram see page 3.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 21,863 SATURDAY, 1st OCTOBER 1921. Page 1.

Observations at 1300 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	1012.2	-6	SSW	6	mo	52	97	5	4000	NB	10	-	10	*
Stornoway	1009.8	-3	SSW	4	o/r	57	85	6	450	St	10	-	10	*
Wick	1011.4	-3	S	3	o	55	92	7	1500	St	5	a.St	10	*
Castlebay	1011.5	-2	WSW	4	ssb	56	85	5	400	St	3	a.St	4	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1014.7	-4	S'W	3	o+	57	85	6	-	-	0	a.St	10	*
Malin Head	1012.2	-2	SSW	2	c+	59	92	6	-	-	0	a.St	8	*
Renfrew	1014.7	-3	S	3	o/f	60	65	7	5750	StCu	5	a.St	10	*
Leith (Inchkeith)	1015.5	-4	N	1	mo-	59	75	5	-	St	10	-	10	*
Eskdalemuir	1015.5	-3	S'W	2	c⊕	57	75	7	2500	Cu	1	Ci.St	8	*
Tynemouth	1016.7	-3	S	2	o	57	92	7	-	-	0	a.St	10	*
Blacksod Point	1011.3	-1	SW	1	o	58	85	7	1500	St	10	-	10	*
Donaghadee	1014.4	-2	SSE	1	c	59	85	8	-	-	0	a.Cu	8	*
Birr Castle	1012.4	*	SE	1	c-	64	75	6	4000	StCu	5	a.Cu	8	*
Baldonnell	1013.4	-3	~~SE~~ NNE	2	o	63	65	7	4000	Cu	2	a.St	8	*
Holyhead	1014.7	-2	SSE	4	c⊕	61	65	8	-	-	0	Ci	7	*
Liverpool (Bidston)	1015.1	-3	SE	3	bc⊕	60	65	6	5750	St	3	Ci.St	3	*
Manchester (Alex. Pk.)	1016.5	-3	SSE	4	c	64	55	7	2500	Cu	3	Ci.St	7	*
Howden	1017.2	-3	S'E	4	o	64	65	6	2500	StCu	7	Ci.St	10	*
Spurn Head	1018.0	-1	SE	4	c-	63	85	6	2500	St	8	-	8	*
Nottingham	1017.1	*	S	3	c+	64	65	8	1500	Cu.NB	5	Ci	7	*
Cranwell	1018.2	-4	S'E	4	o	63	65	8	2500	Cu	9	-	9	*
Gorleston	1019.7	-1	SSE	5	b-	60	75	8	-	-	0	Ci	3	*
Pulham	1018.8	-1	ESE	3	c-	64	75	8	4000	Cu	1	Ci.St	5	*
Felixstowe	~~1018.0~~ 1019.0	-2	ESE	~~5~~ 4	b	62	75	8	-	-	0	Ci.St	3	*
Valencia (Cahirciveen)	1011.7	0	S'E	3	c	65	65	8	4000	StCu	5	Ci.Cu	7	*
Roches Point	1014.0	-1	SSE	2	o	60	85	7	4000	StCu	8	Ci	9	*
Pembroke (St. Ann's H.)	1014.7	-1	SE	3	bc⊕	62	85	7	-	-	0	Ci	5	*
Ross-on-Wye	1016.0	-3	SE'S	3	c⊕	63	55	6	-	-	0	Ci.St	7	*
Benson	1016.6	-2	SE	2	b/f	65	55	6	-	-	0	Ci	3	*
S. Farnborough	1017.4	-3	ESE	3	c	68	55	7	-	-	0	Ci	7	*
London (Kew Obsy.)	1016.5	-4	ESE	3	b/f	68	45	7	-	-	0	Ci	3	*
Croydon	1017.1	-3	ESE	4	c/f	68	45	7	-	-	0	Ci	8	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1018.3	-2	ESE	4	bc	63	65	6	-	-	0	Ci.St	5	*
Grain	1017.7	-3	ENE	4	c	63	65	7	-	-	0	Ci	8	*
Lympne	1017.4	-2	E	5	bc+	64	45	6	-	-	0	Ci.St	6	*
Scilly (St. Mary's)	1013.0	0	ESE	2	b	66	65	8	-	-	0	Ci	3	*
Falmouth	1014.3	-1	ESE	4	bc-	65	75	7	-	-	0	Ci.St	6	*
Plymouth	1015.0	-1	SE	~~3~~ 2	o	68	65	8	4000	StCu	5	a.Cu	10	*
Portland Bill	1016.1	-2	ESE	5	bc	62	85	8	-	-	0	Ci.Cu	4	*
Calshot	1016.3	-3	SE'E	3	bc/f	63	65	8	-	-	0	Ci	4	*
Dungeness	1017.9 ~~1015.6~~	-2	E	3	bc	62	65	6	-	-	0	Ci.Cu	6	*
Jersey	1015.2	0	SE	2	bc	66	55	8	-	-	0	Ci	4	*

Observations at 1800 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	1009.1	-5	SW	6	odo	53	97	5	5750	NB	10	-	10	5
Stornoway	1009.1	0	SW	3	o	56	85	6	450	St	10	-	10	2
Wick	1009.6	-2	SW	3	mmo	53	97	5	1500	St	4	a.St	10	3
Castlebay	1011.2	0	SW	4	mmb	56	85	6	4000	St	6	-	6	4
Nairn	1010.2	-4	E	1	c-	58	65	8	1500	StCu	7	-	7	*
Aberdeen	1012.9	-1	S'W	2	bc/r	55	85	5	-	-	0	a.St	6	0
Malin Head	1011.2	0	SSW	1	o	57	97	6	4000	StCu	9	-	9	0
Renfrew	1013.1	0	-	0	c	56	85	6	4000	StCu	2	Ci	8	*
Leith (Inchkeith)	1013.2	-2	SW	2	rambc	57	75	5	-	StCu	2	Ci.St	5	*
Eskdalemuir	1014.2	-2	?	2	c	53	85	6	-	-	0	a.Cu	7	*
Tynemouth	1014.4	+1	S	2	o	59	85	6	-	-	0	a.St	10	2
Blacksod Point	1010.2	-1	-	0	o	58	75	8	2500	StCu	8	-	8	0
Donaghadee	1013.2	-2	S	1	bc	56	92	8	-	-	0	a.Cu	6	0
Birr Castle	1010.9	*	SSE	1	c-	63	85	8	4000	Cu	4	Ci.Cu	7	*
Baldonnell	1012.4	-1	-	0	c	58	85	6	5750	StCu	2	a.St	8	*
Holyhead	1013.0	-2	SSE	3	o/r	60	75	6	5750	NB	4	a.St	10	0
Liverpool (Bidston)	1013.7	-2	SE'S	2	bc	58	65	7	5750	St	3	Ci.St	5	2
Manchester (Alex. Pk.)	1015.0	-2	SE	1	mb	54	75	4	-	-	0	a.St	8	*
Howden	1015.5	-1	SSE	3	o	58	75	6	2500	St	4	a.St	10	*
Spurn Head	1016.2	-1	SE	5	o+	58	92	6	4000	Cu	9	-	9	3
Nottingham	1015.5	*	SSE	1	bc-	58	85	6	-	-	0	a.St	5	*
Cranwell	1016.7	-1	SSE	3	c	57	85	7	-	-	0	~~a.St~~ a.Cu	8	*
Gorleston	1018.1	-2	SSE	5	c+	58	85	7	-	-	0	Ci.St	8	4
Pulham	1017.3	-1	E	1	c	54	92	6	-	-	0	Ci.St	7	*
Felixstowe	~~1017.4~~ 1014.6	-1	E'S	4	bc	59	75	8	-	-	0	Ci.St	6	3
Valencia (Cahirciveen)	1010.4	-1	SSE	3	bc	63	75	8	4000	Cu	2	a.Cu	6	1
Roches Point	1012.9	-1	SSE	1	c-	57	92	7	-	-	0	a.Cu	7	0
Pembroke (St. Ann's H.)	1013.5	-1	ESE	3	b	59	97	7	-	-	0	a.Cu	3	3
Ross-on-Wye	1015.3	-1	ESE	1	bc-	60	75	7	-	-	0	Ci	5	*
Benson	1015.3	0	SE	1	bc+	55	75	5	-	-	0	Ci	5	*
S. Farnborough	1015.6	0	SE	2	mo+	55	75	5	-	-	0	Ci	9	*
London (Kew Obsy.)	1015.9	+1	ESE	2	mb	59	55	6	-	-	0	Ci	3	*
Croydon	1016.8	+1	SE	1	c-	54	65	7	-	-	0	Ci	7	*
Clacton-on-Sea	1016.6	-2	ESE	3	c+	60	85	7	-	-	0	Ci	7	0
Shoeburyness	1016.6	-3	E	1	bc	57	85	6	-	-	0	Ci.St	4	*
Grain	1016.5	-1	E'N	2	bc	59	85	7	-	-	0	Ci	4	?
Lympne	1016.5	0	ENE	4	c+	56	85	6	-	-	0	Ci.St	8	*
Scilly (St. Mary's)	1012.4	-1	SE'E	3	bc	58	85	8	-	-	0	a.St	5	2
Falmouth	1013.6	-1	ESE	2	bc	59	85	5	-	-	0	a.St	4	*
Plymouth	1014.0	-1	ESE	2	o-	59	85	7	-	-	0	a.St	9	0
Portland Bill	1014.9	-2	ESE	4	bc+	61	85	7	-	-	0	a.Cu	6	3
Calshot	1015.5	0	ESE	1	mo	58	85	7	-	-	0	Ci	10	0
Dungeness	1015.7	-2	ESE	3	c+	61	85	6	-	-	0	a.Cu	7	3
Jersey	1013.7	0	SE	2	c	66	55	8	-	-	0	Ci.Cu	8	0

LONDON OBSERVATIONS. (Weather, Temperature, Rainfall: 24 Hours ended 0900 G.M.T. 1st Oct. 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 (24 hours ended 0700)	b/wbm	bc zy	bmyFfw	*	*	33	-	tr	7.1	*	*
Croydon (24 hours ended 0700)	bc b/m	cbc cr2	cb12FF	*	*	35	-	tr	7.4	*	*
Greenwich (Royal Obsy.)	b	b	b, bwmx	70	40	26	-	-	7.8	42	95
City (Bunhill Row)	*	*	*	*	*	*			5.8	*	*
Westminster (St. James' Pk.)	*	*	*	70	47	39	-	-	6.2	51	86
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*			6.0	*	-
Camden Sq. (Brit. Rainfall)	b	bc	*	69	45	39	-	-	*	43	99
Kensington Palace	b	b. bc	*	71	46	38	-	-	*	53(18h)	97
Hampstead Observatory	*	*	*	66	49	36	-	0.3	7.7	*	8.7

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.

24 Hrs. ended 1800 G.M.T. 30th

South Kensington

Max.	Time.	Min.	Time.
1.2 1.6	2300 29th 0700 30th	1.0	1200 30th

Kew Observatory

Max.	Time.	Min.	Time.
1.6	0800 30th	0.2	1300 to 1500 30th

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 30th 18 h. 45 m. to 1st 5 h. 0 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	10 15	7.53	77
δ Ursae Minoris	10 15	7.37	74

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

1st & 2nd OCTOBER 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.56 5.57	11.43 11.42	5.30 5.27
Greenwich	6.2 6.3	11.50 11.49	5.38 5.35
Wick	6.19 6.21	12.2 12.1	5.45 5.42
Valencia	6.43 6.44	12.31 12.30	6.19 6.16

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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
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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1-3	0·3-1·5
2	4-7	1·6-3·3
3	8-12	3·4-5·4
4	13-18	5·5-7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

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

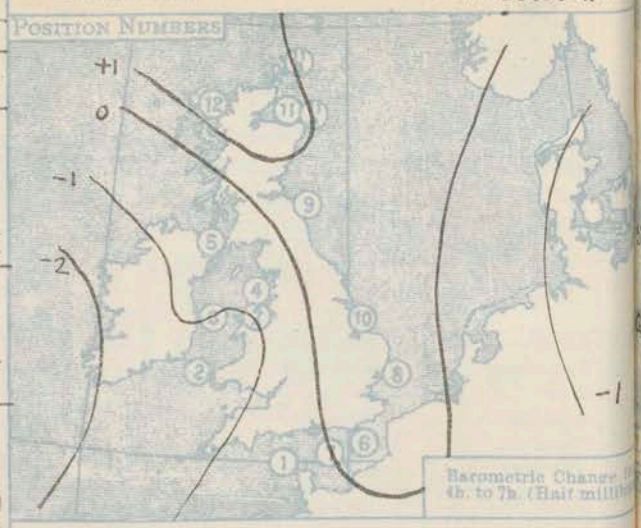
M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-18h. 30th	18h.-18h. 30th	18h.30th to 1h. 1st	1h.-7h. 1st	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	1mm	po m	r o d	00	53	47		trace	1	<0800	<2100	
Stornoway	r o d	00	00	00	59	50		2	1	-	-	1.2
Wick	01m	01m	o m b c	01m	56	42		0.6	-	1430	-	
Castlebay		bcfcf	coff.	offom	57	54		-	-	-	-	3.3
Nairn	00	00	c		58	48		-	-	-	-	0.0
Aberdeen	01m	opo cm	bc com		59	45	33	0.3	-	1430	-	0.0
Malin Head	c	c	b o r b c	b o r b c	62	52		-	-			0.7
Renfrew	off mm	c m	o m m c ff	b F F e	61	43	38	-	-	-	-	1.7
Leith (Inchkeith)	f o r m	f o r m	f o r m		59	51	46	?	-	-	-	
Eskdalemuir	00	00	00	f o r m	60	42	36	-	-	-	-	2.4
Tynemouth	001m	001m	001m	b o r b c m	61	51		-	-	-	-	
Blacksod Point	p	00	b o r b c	b o r b c	59	49		0.2	-	1400		
Donaghadee	c m	b c m	of	of	61	49		-	-			
Birr Castle	c z	c	c o z		67	53	44	-	-	-	-	5.7
Baldonnell	c	c	b o r b c	b o r b c m	67	40	35	-	-	-	-	4.7
Holyhead	c	c o p o m	~~b o r b c~~ cbd	b c o	63	53	47	+	-	1630	-	5.2
Liverpool (Bidston)	b o r b c	b o r b c	b o r b c		63	46	41	-	-			5.8
Manchester (Alex. Pk.)	b c f c z 12	c	c b m	b m f e	64	37	29	2	trace		0130	
Howden	c	00	b o r b c	F	65	40	32	-	-	-	-	1.9
Spurn Head	00	c	c	b o r b c	64	50		-	-	-	-	
Nottingham	c	c	f f e		65	37	35	-	-	-		4.4
Cranwell	c	c	b o r b c m w	F W	65	39	31	-	0.1	-	2400	5.3
Gorleston	c	b c q c q	b o r b c	b c f	61	51	39	-	-	-	-	6.0
Pulham	00	c	f o r m	f o r m	64	36	36	-	-	-	-	4.9
Felixstowe	c	b o r b c	f o r m	f o r m	63	47	43	-	-	-	-	0.0 ~~6.7~~
Valencia (Cahirciveen)	c z y	c f p z	c z	c z	68	57	51	0.6	trace	1100	2200	4.0
Roches Point	00	c	b o r b c		62	54		-	0.1	-	-	
Pembroke (St. Ann's H.)	1m	1m	b o r b c	1m	63	52		-	-	-	-	5.6
Ross-on-Wye	F m b z y	c y z	b m w	m m F F e	66	35	30	-	trace	-	-	5.7
Benson	f o r m	b o r b c	b F F		67	35	30	-	-	-	-	
S. Farnborough	f o r m	f o r m	F F		69	33	29	-	trace	-	-	6.4
London (Kew Obsy)	b f w b m w	b c z y	b m y b m	o F F w	70	41	33	-	trace	-	-	7.1
Croydon	b c b f m	c b c c 12	c b 12 w	b 12 b w F	69	41	35	-	trace	-	-	7.4
Clacton-on-Sea	c b c	c	c b. b z	b z c z	62	53	48	-	-	-	-	7.6
Shoeburyness	b o r b c	b o r b c	F		65	40	33	-	-	-	-	7.8
Grain	c	c	F		63	36	34	-	-	-	-	8.1
Lympne	f o r m	f o r m	b o r b c	b c c w m	65	49	31	-	-	-	-	9.3
Scilly (St. Mary's)	b o r b c	b o r b c	b o r b c	c	65	51		-	-	-	-	8.1
Falmouth	o c b c z	b z b c m	b c m w	b c m w	65	56	52	-	-	-	-	6.7
Plymouth	00	c	b o r b c	b o r b c	68	53	49	-	-	-	-	7.6
Portland Bill	c	c	b o r b c	b o r b c	64	58		-	-	-	-	
Calshot	f o r m	c	b o r b c	f o r m	64	53	45	-	-	-	-	7.8
Dungeness	c m w h	b o r b c	m m c	c	66	56		-	-	-	-	
Jersey	b	b c	b	b w	71	46		-	-	-	-	6.5

ISALLOBARS. 1st OCTOBER

POSITION NUMBERS



Temperature reported from Cross Channel and Coastal Steamers.

Position Number.	3	1	7	6
Date	30th	30th	1st	1st
Time G.M.T.	1800	1130	0204	0205
Sea °F.	56	62	63	60
Air °F	58	63	62	60

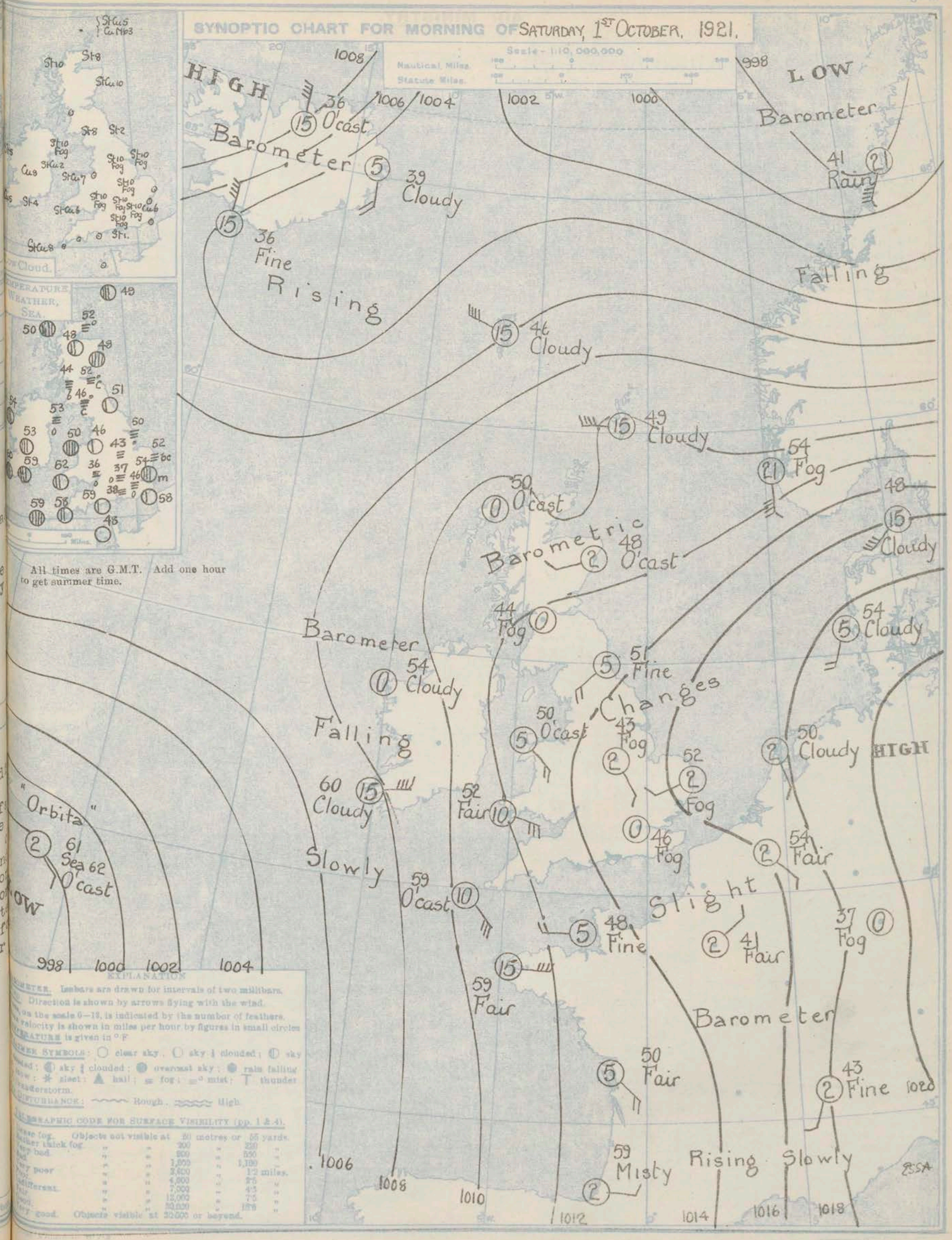
GENERAL INFERENCE.

Pressure is highest over Central Europe but is rising again in Iceland while a depression North of the Azores is growing deeper. Fair weather is probable over the British Isles generally for the next few days with mist or fog at night inland.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday 1st. October 1921.	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 to moderate South Easterly winds; fine; mist or fog inland at night and in the morning; moderate temperature, with ground frost locally at night.	There is at present no indication of any break in the fine spell over the Southern half of the Kingdom and the outlook for the extreme North and North-Western districts is for fairer weather than of late.
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides	Light indefinite breezes; fair, mist or fog at night; moderate temperature.	
16. Orkneys and Shetlands	Moderate W. to NW. wind; cloudy, some showers; visibility fair to good; rather cold.	
17. N.W. Ireland 18. N.E. Ireland	Light to moderate South Easterly to Easterly winds; fair; mist or fog at night; moderate temperature.	
19. S.E. Ireland 20. S.W. Ireland	Moderate South Easterly winds; cloudy; visibility fair to good; moderate temperature.	

E.Y.N

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


SYNOPTIC CHART FOR MORNING OF SATURDAY, 1ST OCTOBER, 1921.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
HIGH
LOW
Barometer
Falling
Rising
Slowly
Changes
Slight
Barometric
"Orbita"
Low Cloud.
TEMPERATURE
WEATHER,
SEA.
All times are G.M.T. Add one hour to get summer time.
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind.
Force, on the scale 0—12, is indicated by the number of feathers.
Wind velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in °F.
WEATHER SYMBOLS: clear sky; sky ½ clouded; sky clouded; sky ½ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
DISTURBANCE: Rough; High.
GRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
Dense fog. Objects not visible at 50 metres or 55 yards.
Rather thick fog " " 200 " 220 "
Very bad " " 500 " 550 "
Bad " " 1,000 " 1,100 "
Very poor " " 2,000 " 1·2 miles.
Poor " " 4,000 " 2·5 "
Indifferent " " 7,000 " 4·3 "
Fair " " 12,000 " 7·5 "
Good " " 30,000 " 18·6 "
Very good. Objects visible at 32,000 or beyond.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. *Saturday*, *1st October* 1921. No. *274*.

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)	Upper Form.	Total Amt. (0-10)	Sea. (0-9)
Lerwick	1008.1	+3	SW	3	oror	54	97	6	-	Nb	10	-	10	*
Stornoway	1010.4	0	S	1	o	x	*	5	*	x	*	*	*	*
Wick	1009.6	0	WSW	2	bc	50	97	8	-	-	0	Ci.St	4	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1011.0	0	SSW	1	b	54	97	7	-	-	0	-	0	*
Renfrew	1012.9	0	-	0	ffb	48	97	3	-	-	0	-	0	*
Leith (Inchkeith)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1013.7	-1	-	0	mmb	44	92	4	1500	St.Cu	2	-	2	*
Tynemouth	1013.2	-1	SW	2	b	54	92	7	-	-	0	-	0	*
Blacksod Point	1010.4	-2	-	0	bc	53	97	7	2500	Cu	4	-	4	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1012.2	0	-	0	b	52	92	7	-	-	0	A.St	2	*
Holyhead	1012.9	0	SSW	4	b-	x	*	8	-	-	0	.	0	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1014.8	-b?	S'E	2	b	46	97	5	4000	St	2	-	2	*
Spurn Head	1015.6	-1	S	4	b	54	75	7	-	-	0	-	0	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1016.5	-1	SSW	3	mb	42	97	5	-	-	0	-	0	*
Gorleston	1017.2	-1	S'W	4	b	57	85	8	-	-	0	-	0	*
Pulham	1016.0	-1	E	1	mmb	40	97	4	-	-	0	-	0	*
Felixstowe														*
Valencia (Cahirciveen)	1008.5	-1	ESE	2	bc	61	65	5	-	St	4	-	4	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1013.3	0	ESE	2	b	58	85	7	-	-	0	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1016.6	-1	S	1	b-	48	92	6	-	-	0	-	0	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1015.6	0	E	2	b	53	97	7	-	-	0	-	0	*
Scilly (St. Mary's)	1011.0	-1	ESE	3	c+	58	92	7	4000	St.Cu	8	-	8	*
Falmouth														*
Plymouth	1012.9	0	-	0	b	54	92	8	-	-	0	-	0	*
Portland Bill	1014.9	0	E	4	b-	59	85	7	-	-	0	Ci.St	2	*
Calshot	1014.8	-1	ESE	1	mmb	55	85	6	-	-	0	Ci	1	*
Dungeness	1015.2	-1	S	3	b-	59	85	5	-	-	0	-	0	*
Jersey 7h / Guernsey 1h	1013.8	0	ESE	2	b-	59	75	7	-	-	0	-	0	*

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)	Upper Form.	Total Amt. (0-10)
Lerwick	1010.5	0	W	4	c-	49	92	7	-	St.Cu	8	-	8
Stornoway	1010.5	+1	-	0	o	50	97	6	800	St	10	-	10
Wick	1009.8	+1	WNW	1	mmc	52	92	5	450	St	8	-	8
Castlebay	1011.1	0	-	0	mmo	55	97	5	4000	St.	10	-	10
Nairn	1010.6	*	-	0	bc-	48	92	8	1500	St	2	A.Cu	5
Aberdeen	1011.8	+1	W'S	1	o+	48	92	5	4000	St.Cu	10	.	10
Malin Head	1010.2	-1	E	1	bc	54	97	7	-	-	0	A.Cu	4
Renfrew	1012.5	0	-	0	Fb-	44	97	1	-	-	0	Ci.St	3
Leith (Inchkeith)	1012.1	0	W	1	mbc+	52	92	4	-	St.Cu	6	-	6
Eskdalemuir	1013.4	0	-	0	mc-	46	97	5	800	St	8	-	8
Tynemouth	1013.2	0	SW	2	bc	51	92	4	2500	St	2	Ci.Cu	4
Blacksod Point	1008.4	-2	-	0	c-	54	92	7	1500	St	5	A.Cu	8
Donaghadee	1012.2	0	-	0	fo+	53	97	2	2500	St	10	-	10
Birr Castle	1009.6	*	SSE	1	c+	53	92	7	2500	Cu	8	-	8
Baldonnell	1011.7	0	-	0	bc	41	92	7	5750	St.Cu	2	Ci	4
Holyhead	1012.2	0	SE	2	o	52	85	9	1500	St.Cu	7	A.St	9
Liverpool (Bidston)	1012.9	-1	SE	2	b+	46	85	4	5750	St	1	Ci.St	3
Manchester (Alex.Pk.)	1014.2	-2	ESE	1	fbc-	43	97	[illegible]	-	-	0	A.St	4
Howden	1014.3	0	SSE	1	FFo	[illegible]	97	1	800	St	10	-	10
Spurn Head	1014.2	-1	S	3	Fo	50?	92	1	<150	St	10	-	10
Nottingham	1015.1	*	SE	1	FFo	43	[illegible]	0	225	St	10	-	10
Cranwell	1015.4	0	SSE	1	FFo	42	97	1	<150	St	10	-	10
Gorleston	1016.6	-1	WSW	1	fbc	52	97	3	-	-	0	Ci.Cu	5
Pulham	1015.3	-1	-	0	mmbc	39	97	4	-	-	0	Ci.St	6
Felixstowe	1016.3	0	-	0	mmc	50	97	4	-	-	0	Ci.St	7
Valencia (Cahirciveen)	1006.3	-2	EtN	4	c	60	65	8	4000	Cu	5	A.St	7
Roches Point	1010.3	-1	SE	4	c-	59	92	6	2500	St	4	A.Cu	8
Pembroke (St. Ann's H.)	1012.0	-1	ESE	3	bc+	52	92	6	4000	St.Cu	6	-	6
Ross-on-Wye	1014.8	-1	S	1	Fo-	36	97	1	<150	St	10	-	10
Benson	1015.9	0	-	0	FFb	37	97	0	-	-	0	-	0
S. Farnborough	1014.9	0	-	0	FFo	38	97	1	<150	St	10	-	10
London (Kew Obsy.)	1015.0	0	-	0	FFo	46	97	0	<150	St	10	-	10
Croydon	1015.8	0	-	0	FFbc	41	97	0	-	-	0	A.Cu	4
Clacton-on-Sea	1015.0	-1	E	2	mc-	54	92	5	-	-	0	Ci	7
Shoeburyness	1015.1	0	-	0	fbc-	43	92	2	7250	Cu	6	-	6
Grain	1015.5	-1	-	0	FFo	43	97	0	<150	St	10	-	10
Lympne	1014.9	0	SE	2	bc-	51	92	6	-	-	0	A.Cu	4
Scilly (St. Mary's)	1010.2	-1	SE	3	o	59	97	8	4000	St.Cu	8	Ci.Cu	9
Falmouth	1011.4	-1	ESE	3	bc	58	92	5	-	-	0	A.Cu	5
Plymouth	1012.2	0	E	1	b	55	92	7	-	-	0	Ci	2
Portland Bill	1013.3	-2	E	4	b	59	85	7	-	-	0	Ci.Cu	3
Calshot	1013.9	0	ENE	1	mo+	54	97	5	1500	St	1	Ci	10
Dungeness	1015.2	0	SE	2	b-	58	85	7	-	-	0	Ci.Cu	4
Jersey 7h / Guernsey 1h	1013.2	0	W	2	b	48	85	8	-	-	0	-	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR *30th Sept.*

STATIONS.	Weather Fore-noon.	Weather After-noon.	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall† Night 17h.-9h. 29th-30th (mm.)	Rainfall† Day 9h.-17h. 30th (mm.)	Sunshine Sunrise to 17h. 30th (hr.)	Sunshine Sunrise to Sunset 29th (hr.)
Banff	o	o	59	47	-	-	0.0	0.8
Montrose	c	c	58	50	-	-	1.3	0.0
Llandudno	bc.	bc.c	67	48	-	-	6.5	8.2
Colwyn Bay	b	b	68	48	-	-	8.2	9.5
Rhyl	bc.	bc	67	45	-	-	6.4	8.0
Southport	wc.bc	b.bc	64	49	-	-	7.1	4.0
Blackpool	mc	bc	64	50	-	-	5.5	3.0
Harrogate								
Skegness	o.c.	bc	64	48	-	-	5.8	7.0
Aberystwyth	o.c.b	b.bc	69	50	-	-	8.0	10.0
Bath	b	b.bc.c	67	42	-	-	5.6	9.2
Leamington Spa	b	b	66	42	-	-	5.6	7.9
Lowestoft	o.c.bc	bc	61	54	-	-	6.5	4.2
Felixstowe	bc	bc	62	58	-	-	6.2	4.0
Southend	c.bc	bc	65	54	-	-	7.7	5.3

STATIONS.	Weather Fore-noon.	Weather After-noon.	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall† Night 17h.-9h. 29th-30th (mm.)	Rainfall† Day 9h.-17h. 30th (mm.)	Sunshine Sunrise to 17h. 30th (hr.)	Sunshine Sunrise to Sunset 29th (hr.)
Paignton	w.bc	bc.c	66	52	-	-	5.1	7.[illegible]
Ilfracombe	c.bc.c	c.bc	68	53	-	-	7.0	10.[illegible]
Bude	Wb.	b	71	41	-	-	8.1	10.0
Penzance	c.bc	bc	64	55	-	-	6.0	9.3
Torquay	w2.b2	bc.c	66	55	-	-	6.2	9.5
Weymouth	bc.	bc.c	69	52	-	-	5.2	10.[illegible]
Bournemouth	b.bc.	c	67	45	-	-	6.0	10.5
Portsmouth (S'thsea)	b	b	65	50	-	-	8.9	10.4
Worthing	b	b	64	50	-	-	9.0	10.7
Brighton								
Eastbourne	bc	bc	64	50	-	-	9.6	10.3
Hastings	b	b	63	53	-	-	9.5	10.2
Folkestone	b	b	64	52	-	-	8.4	9.6
Tunbridge Wells	b.	b.bc	57	48	-	-	8.2	8.5
Ramsgate								
Margate	c.b	b	64	56	-	-	8.7	1.4?
Deal	b	b	64	56	-	-	9.0	6.[illegible]

* 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. B21864 SUNDAY, 2nd OCTOBER 1921. Page 1.

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	Low Cloud Form.	Low Cloud Amt. 0–10	Upper Form.	Total Amt. 0–10	Sea 0–9
Lerwick	1010·2	o	W	3	c	51	75	8	-	StCu	8	-	8	•
Stornoway	1010·6	o	-	o	o	54	97	6	450	St	10	-	10	•
Wick	1010·6	+1	E	1	o	53	97	6	800	St	9	-	9	•
Castlebay	1011·0	0	SE	3	mmbc	56	92	4	4000	St	6	-	6	•
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1012·0	-1	SE'S	2	b	64	55	7	-	-	o	-	o	•
Malin Head	1009·0	-1	E	1	bc	65	85	7	-	-	0	CiCu	3	•
Renfrew	1011·8	-2	-	o	c+	61	75	6	7250	StCu	3	aCu	8	•
Leith (Inchkeith)	1011·3	-2	W	1	mb-	62	75	4	-	-	o	-	o	•
Eskdalemuir	1012·2	-1	S	2	bc	60	75	6	5750	StCu	4	-	4	•
Tynemouth	1012·6	-1	SW	2	c-	64	75	6	2500	St	4	CiCu	7	•
Blacksod Point	1006·0	-3	E	2	bc	64	65	8	5750	Cu	6	-	6	•
Donaghadee	1011·8	-2	SE	1	mbc-	62	85	7	4000	Cu	3	CiCu	4	•
Birr Castle	1008·2	•	SE	3	o+	62	75	8	800	St	9	-	9	•
Baldonnell	1010·1	-1	ESE	3	c	64	55	8	4000	StCu	3	aSt	8	•
Holyhead	1011·2	-1	SSW	1	c	69	45	8	-	-	o	aCu	7	•
Liverpool (Bidston)	1011·5	-2	SE	3	b-	64	45	6	5750	St	1	CiSt	2	•
Manchester (Alex. Pk.)	1012·7	-2	SSE	3	b-	69	45	7	[illegible]	-	-	Ci	2	•
Howden	1013·5	-2	S'E	3	bc+	66	55	6	-	-	o	CiSt	5	•
Spurn Head	1014·4	o	SSE	3	bcf	65	85	5	-	-	o	aCu	5	•
Nottingham	1013·6	•	SE	1	b+	66	65	7	-	-	o	CiSt	2	•
Cranwell	1014·0	-2	SE'S	3	b/f	66	65	6	~~5750~~	~~StCu~~	+	Ci	2	•
Gorleston	1015·9	-1	S'E	2	b-	64	85	6	-	-	o	CiSt	2	•
Pulham	1014·2	-1	ESE	2	b	69	75	7	-	-	o	CiSt	2	•
Felixstowe	1015·5	-1	ESE	2	mb	65	75	7	-	-	o	CiSt	2	•
Valencia (Cahirciveen)	1004·1	-3	ESE	4	o/r	63	85	7	1500	St	10	-	10	•
Roches Point	1007·8	-3	SE	4	orr	60	97	6	1500	Nb	10	-	10	•
Pembroke (St. Ann's H.)	1011·3	-1	ESE	3	c	64	85	7	4000	StCu	6	Ci	8	•
Ross-on-Wye	1012·6	-2	W	1	b-	66	65	5	-	-	o	Ci	3	•
Benson	1012·6	-2	SE	2	b/f	69	45	6	-	-	o	Ci	1	•
S. Farnborough	1013·3	-2	SSE	2	b	71	35	8	-	-	o	-	o	•
London (Kew Obsy.)	1013·5	-3	SSW	1	b/f	65	65	5	-	-	o	-	o	•
Croydon	1014·0	-3	S'E	1	b/f	72	35	7	-	-	o	CiCu	1	•
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1014·2	-2	NE	1	mmb	61	85	4	-	-	o	-	o	•
Grain	1013·8	-2	-	o	b/f	69	55	6	-	-	o	-	o	•
Lympne	1014·1	-2	SE	2	b	67	55	7	-	-	o	CiCu	2	•
Scilly (St. Mary's)	1009·8	o	SE	4	c/f	63	92	8	4000	StCu	7	-	7	•
Falmouth	1011·6	o	SE	3	o	62	85	8	2500	StCu	10	-	10	•
Plymouth	1011·8	+1	SSW	1	bc	67	65	8	-	-	o	aCu	4	•
Portland Bill	1013·9	-2	ENE	4	b	64	85	7	-	-	o	CiCu	2	•
Calshot	1013·7	-1	ESE	3	b-	65	75	8	-	-	o	Ci	1	•
Dungeness	1014·6	-1	SE	2	b	64	65	6	-	-	o	aCu	1	•
Jersey	1013·3	o	SE	2	b	68	65	8	-	-	o	-	o	•

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	Low Cloud Form.	Low Cloud Amt. 0–10	Upper Form.	Total Amt. 0–10	Sea 0–9
Lerwick	1010·6	o	W	3	o	50	75	8	-	StCu	10	-	10	2
Stornoway	1010·5	o	-	o	o	53	97	6	450	St	10	-	10	o
Wick	1010·7	o	E	1	ffo	51	97	1	<150	St	10	-	10	o
Castlebay	1009·6	-1	E	4	Cmm	56	92	5	5750	StCu	8	-	8	3
Nairn	1009·9	*	-	o	bc	56	75	8	1500	St	2	CiCu	4	•
Aberdeen	1011·5	o	SE	1	b	53	85	5	-	-	o	-	o	o
Malin Head	1008·1	-2	SSE	2	c+	59	85	8	5750	StCu	4	aCu	7	1
Renfrew	1011·1	o	-	o	fbc	57	92	3	-	-	o	CiSt	5	•
Leith (Inchkeith)	1011·1?	+1	S	1	mmo	60	55	4	-	StCu	2	aCu	7	o
Eskdalemuir	1012·0	-1	-	o	bmc	55	85	6	5750	StCu	7	-	7	•
Tynemouth	1011·6	o	S	1	mmb	58	75	4	2500	St	2	-	2	2
Blacksod Point	1004·2	-3	NE'N	1	or	59	85	6	450	St	10	-	10	o
Donaghadee	1010·6	-1	SE	1	c+	59	85	8	-	-	o	aCu	7	o
Birr Castle	1005·4	•	SE	2	o-b+	62	92	6	2500	Nb	9	-	9	•
Baldonnell	1008·7	-2	E	4	or+	59	85	5	800	Nb	9	aSt	10	•
Holyhead	1010·0	-1	SSE	3	o	62	75	8	4000	Nb	4	~~aCu~~ ASt	9	o
Liverpool (Bidston)	1010·8	-1	SE	2	b+	61	55	7	5750	St	2	CiSt	3	2
Manchester (Alex. Pk.)	1011·8	o	E	1	fb	55	75	3	-	-	o	Ci	2	•
Howden	1012·5	o	SE'S	1	bc	55	75	6	4000	St	2	aSt	4	•
Spurn Head	1013·1	-1	SE	2	bc	60	85	6	1500	Cu	4	-	4	1
Nottingham	1012·8	•	SSE	1	bc+	56	65	5	-	-	o	CiSt	5	•
Cranwell	1013·7	o	S'W	1	bc	55	75	7	~~7250~~	~~StCu~~	→	Ci	4	•
Gorleston	1014·8	-1	S	1	b	58	85	6	-	-	o	Ci	2	o
Pulham	1013·7	o	-	o	b/f	66	92	6	-	-	o	CiSt	2	•
Felixstowe	1014·8	o	E'S	2	mb	59	92	7	-	-	o	Ci	2	o
Valencia (Cahirciveen)	1003·7	+1	SSE	4	o/r	61	97	8	450	St	10	-	10	o
Roches Point	1007·0	o	SE	3	o/r	61	97	5	1500	Nb	9	CiSt	10	6
Pembroke (St. Ann's H.)	1010·2	-1	SE	3	o/f	61	97	8	2500	StCu	3	aSt	10	3
Ross-on-Wye	1011·9	o	S	1	bc	62	65	7	-	-	o	aCu	5	•
Benson	1012·7	o	SSE	1	b	57	65	6	-	-	o	Ci	2	•
S. Farnborough	1013·0	o	SE	1	zbc	58	65	7	-	St	4	-	4	•
London (Kew Obsy.)	1012·8	o	~~SW~~	~~1~~ 0	b	57	75	6	-	-	o	-	o	•
Croydon	1013·6	o	S	2	b-	59	55	7	-	-	o	Ci	1	•
Clacton-on-Sea	1013·6	-1	ESE	1	bc	61	85	6	-	-	o	Ci	4	o
Shoeburyness	1013·5	-1	ESE	1	fbc+	58	85	3	-	-	o	CiSt	5	•
Grain														
Lympne	1013·7	-1	ESE	1	b	58	55	7	-	-	o	CiSt	1	•
Scilly (St. Mary's)	1008·8	-1	SSE	3	c+	61	97	8	4000	StCu	8	-	8	4
Falmouth	1011·1	o	SE	3	o	60	85	8	4000	StCu	8	aSt	10	•
Plymouth	1011·4	o	-	o	b	62	65	8	5750	StCu	2	aSt	3	O
Portland Bill	1013·9	o	NE	4	b	64	85	8	-	-	o	CiCu	3	3
Calshot	1013·2	o	ESE	3	mmb	60	92	7	-	-	o	aCu	1	o
Dungeness	1013·2	-1	-	o	b	60	85	6	-	-	o	-	o	2
Jersey	1011·9	-1	SE	2	b	67	65	8	-	StCu	2	Ci	3	o

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. 2nd								Yesterday.		To-day.
Kew (24 hours ended 0700)	Fo bzy	bzy bz	bz bmwof	*	*	34	-	-	6·3	*	*
Croydon (24 hours ended 0700)	bcf fmzy	bzy bc	bym bowp.	*	*	35	-	-	8·9	*	*
Greenwich (Royal Obsy.)	b.	b	b.	74	42	28	-	-	8·1	38	78
City (Bunhill Row)	*	*	*	*	*	*				*	*
Westminster (St. James' Pk.)	*	*	*						4·0		
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*				*	*
Camden Sq. (Brit. Rainfall)	bmw	b	*	70	42	39	-	-	*	74	82
Kensington Palace	bc	bc	*	74	44	37	-	-	*	76 (18h)	81
Hampstead Observatory	*	*	*			*				*	

Atmospheric Pollution. Lbs. of Solid impurity per million cubic yards.

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

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

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

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

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

2nd & 3rd October 1921.

Stations	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·57 5·58	11·42 11·42	5·27 5·25
Greenwich	6·3 6·4	11·49 11·49	5·35 5·33
Wick	6·21 6·23	12·1 12·1	5·42 5·39
Valencia	6·44 6·45	12·30 12·30	6·16 6·14

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, *i.e.*, rain and snow together.
s snow. 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:—bo/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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1–3	0·3–1·5
2	4–7	1·6–3·3
3	8–12	3·4–5·4
4	13–18	5·5–7·9
5	19–24	8·0–10·7
6	25–31	10·8–13·8
7	32–38	13·9–17·1
8	39–46	17·2–20·7
9	47–54	20·8–24·4
10	55–63	24·5–28·4
11	64–75	28·5–33·5
12	Above 75	33·6 or above

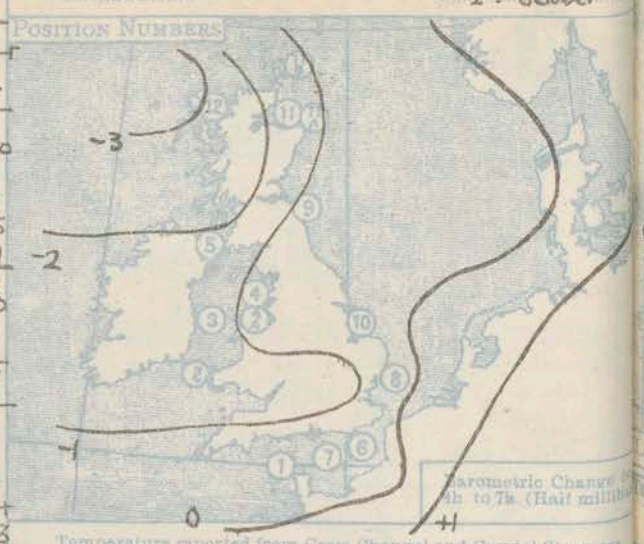
* Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 1st	13h.-19h. 1st	19h.-1st to 1h. 2nd	1h.-7h. 2nd	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	Day. 7h.-18h. mm.	RAINFALL.† Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. Hours.
Lerwick	c	c	r or d	r or d	55	47	.	—	trace	—	<2100	.
Stornoway	oo	oo	c	oo	55	51	.	—	—	—	—	0·0
Wick	om	oimFF	cm	c.omir	54	50	.	—	1	—	0430	.
Castlebay	mbcff	coff	offbm/bmrdf		58	53	.	—	+	.	—	4·3
Nairn	b or bc	b or bc	p		63	48	.	—	1	—	2400	9·5
Aberdeen	om.bim	b12.im	bmif	omitr	64	45	38	—	0·4	—	0630	7·9
Malin Head	b or bc	b or bc	oo	c	64	54	.	—	—			6·6
Renfrew	offcm.b2	bc.bim.bcf	offor	mmbr/offm	63	47	40	—	14	—	2400	4·3
Leith (Inchkeith)	f or m	f or m	r or d		67	51	49	—	6	—	0230	*
Eskdalemuir	b or bc	oo	form.	r or d	61	42	35	—	1	—	0330	2·4
Tynemouth	c im	m	b or bcm	cm	65	48	.	—	—	—	—	.
Blacksod Point	c	r or d	r o r o	c	60	52	.	2	3	1630	<2100	.
Donaghadee	bcfm	c im	omr	omp	65	54	.	—	8	—	2200	.
Birr Castle	c.o.	c.or o	c.oir o	c R	63	60	56	0·4	8	1330	<2100	0·1
Baldonnell	c	c	r or d	oo	68	57	55	0·1	5	1730	<2100	3·4
Holyhead	o.bay	cy.o	c	bc.o	71	57	52	—	—	—	—	5·8
Liverpool (Bidston)	b or bc	b or bc	b or bc		67	46	42	—	—	—	—	6·5
Manchester (Alex.Pk.)	cm b12	b12.12f.	bm.o2		69	45	35	—	—	—	—	.
Howden	oo	b or bc	f b r m	f or m	68	38	28	—	—	—	—	6·6
Spurn Head	f or m	b12	b or bc	f or m	65	49	.	—	—	—	—	*
Nottingham	b or bc	b or bc	c im		71	40	38	—	—	—	—	6·0
Cranwell	f or m	b or bc	b or bc im w	c im w	69	40	30	—	—	—	—	6·1
Gorleston	bcm.b2	b or bc	bwm f	bwFFe	64	43	40	—	—	—	—	8·1
Pulham	c	b or bc		F	69	38	31	—	—	—	—	8·4
Felixstowe	f or m	f or m		F	66	45	39	—	0·2	—	—	8·1
Valencia (Cahirciveen)	c2.or.o	o r m o	r or d					6		1600		
Roches Point	r or d	r or d	r or d		61	60	*	9	7	<0800	<2100	
Pembroke (St. Ann's H.)	im	im	oo	c	65	58	*	—	—	—	—	5·2
Ross-on-Wye	f m bc2 b2	b2.bc2c2	bmw	bwco	70	44	38	trace	—	—	—	6·2
Benson	F	b or bc	b or bc		70	39	33	—	—	—	—	*
S. Farnborough	f or m	b or bc	b or bc		73	38	33	—	—	—	—	7·5
London (Kew Obsy)	f m.b2y.p	b2y b2	b2.bmw	bmw/fcff	71	42	34	—	—	—	—	6·3
Croydon	bcFFim b2y	b12y.bc	b/im.im	b.im.m	73	43	35	—	—	—	—	8·9
Clacton-on-Sea	c.o.	bc2	bc b2w	b2wF	66	45	45	—	0·3	—	—	7·9
Shoeburyness	f or m	f or m	ffo*	bFFe	68	41	30	?	2	—	—	8·8
Grain	F		F		69	38	33	?	—	—	—	7·7
Lympne	bc.bim	b imy	b im	b.bc im w	67	49	29	—	—	—	—	10·4
Scilly (St. Mary's)	iF	c	c	p	65	58	.	0·2	3	1230	0430	3·6
Falmouth	om	o	o	o	63	58	52	—	—	—	—	2·1
Plymouth	b or bc	b or bc	b or bc	o	70	57	53	—	—	—	—	8·5
Portland Bill	b or bc	b or bc	b or bc	c	65	59	.	—	—	—	—	.
Calshot	f or m	f or m	b or bc	o	65	54	50	—	—	—	—	9·5
Dungeness	b or bc	b or bc	b or bc im	b or bc	66	44	.	—	—	—	—	.
Jersey	b or bc	b or bc	b or bc	b	71	58	.	—	—	—	—	9·8

ISALLOBARS. 2nd October

POSITION NUMBERS.



Temperature reported from Cross Channel and Coastal Steamers.

Position Number.	3	1	7	6
Date	1st	1st	2nd	2nd
Time G.M.T.	1015	1126	0230	0230
Sea ° F.	58	62	63	63
Air ° F.	59	65	63	62

GENERAL INFERENCE.

Pressure has fallen in the West and a depression lies to the Westward of Ireland. Much cloud, with some rain, is probable in the West and North. In the South-East and East of England the weather will become less bright, but no rain is likely at present.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 2nd October, 1921.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind mainly South-East, light; fair to cloudy, some mist or fog at night and in morning. Moderate or rather high temperature during day, low at night, with local ground frost.
5. N.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind South-East or South, light to moderate; cloudy or overcast, some rain or showers. Visibility mainly fair; moderate temperature.
9. N. Midlands 10. N.E. England	Wind mainly Southerly, light; mainly cloudy, some mist locally. 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	Wind varying between South-East and South, light; much cloud generally, some rain; moderate temperature; visibility indifferent to fair.
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind mainly South, light to moderate; much cloud, some rain; visibility fair generally. Moderate temperature.

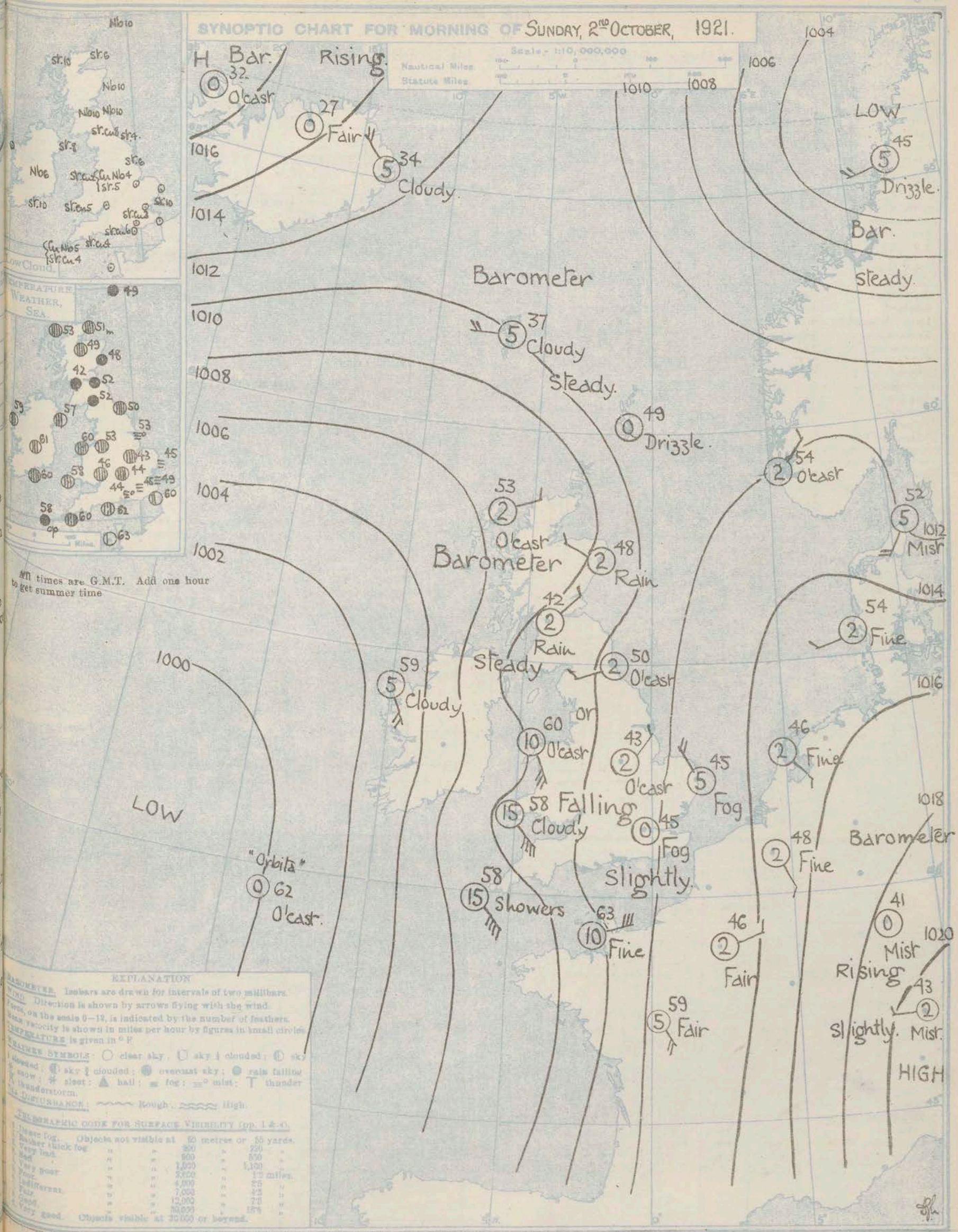
Further Outlook.

The pressure distribution has become of a less stable type, but there are still no definite indications of rain in the South-Eastern quarter of England. In the West and North occasional rain will be experienced.

RS.

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

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


SYNOPTIC CHART FOR MORNING OF SUNDAY, 2ND OCTOBER, 1921.
Scale:- 1:10,000,000
Nautical Miles
Statute Miles
H Bar. Rising.
32 O'cast
27 Fair
34 Cloudy
LOW
45 Drizzle.
Bar. steady.
Barometer
37 Cloudy
Steady.
49 Drizzle.
54 O'cast
52 Mist
53 O'cast
Barometer
48 Rain
42 Rain
Steady
50 O'cast
54 Fine
59 Cloudy
or
60 O'cast
43 O'cast
45 Fog
46 Fine
58 Falling
Cloudy
45 Fog
Slightly.
48 Fine
Barometer
LOW
"Orbita"
62 O'cast.
58 Showers
63 Fine
46 Fair
41 Mist
Rising
43 Slightly. Mist.
59 Fair
HIGH
1000
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
All times are G.M.T. Add one hour to get summer time
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; thunderstorm.
SEA DISTURBANCE: Rough; High.
THE BRITISH CODE FOR SURFACE VISIBILITY (op. 1 & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Rather thick fog " " 200 " 220 "
2 Very bad " " 500 " 550 "
3 Bad " " 1,000 " 1,100 "
4 Very poor " " 2,000 " 1·2 miles.
5 Poor " " 4,000 " 2·5 "
6 Indifferent " " 7,000 " 4·3 "
7 Fair " " 12,000 " 7·5 "
8 Good " " 30,000 " 18·6 "
9 Very good. Objects visible at 30,000 or beyond.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. SUNDAY, 2nd OCTOBER 1921. No. 275.

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	Low Cloud Form.	Low Cloud Amt. (0-10)	Upper Form.	Total Amt. (0-10)	Sea. (0-9)
Lerwick	1010·6	0	W	1	o/r	48	97	7	7250	Nb	10	–	10	*
Stornoway	1011·0	0	ESE	2	o	*	*	5	*	*	*	*	*	*
Wick	1009·3	-1	SE	1	c/f	52	97	7	5750	StCu	7	–	7	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1005·4	-2	SSE	3	c-	58	92	8	–	–	0	a.St	8	*
Renfrew	1010·1	-2	–	0	or₀	49	97	4	1500	SV	10	–	10	*
Leith (Inchkeith)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1011·8	-1	–	0	mmo	44	92	6	4000	StCu	8	–	8	*
Tynemouth	1011·5	-2	SW	2	b	52	85	5	–	–	0	–	0	*
Blacksod Point	1003·6	+1	SW	2	od₀+	59	97	6	450	SV	10	–	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1007·5	-2	–	0	o	60	92	8	2500	SV	3	a.SV	9	*
Holyhead	1009·2	-1	SSE	3	bc-	*	*	7	4000	StCu	4	–	4	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1012·4	0	–	0	fb-	38	97	2	–	–	0	–	0	*
Spurn Head	1011·8	0	S	1	b/f	52	92	8	–	–	0	–	0	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1013·5	0	SSE	1	b	43	97	6	–	–	0	–	0	*
Gorleston	1015·4	0	SSE	1	fb-	50	97	3	–	–	0	–	0	*
Pulham														
Felixstowe														
Valencia (Cahirciveen)	1004·1	0	NNW	2	opr₀	61	?	5	–	SV	10	–	10	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1009·8	-1	SE	3	o	59	92	8	4000	StCu	10	–	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1014·0	-1	–	0	b	47	75	7	–	–	0	–	0	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1013·1	-1	ESE	2	b	55	92	7	–	–	0	–	0	*
Scilly (St. Mary's)	1007·8	-1	SE	3	c-	59	92	8	4000	StCu	7	–	7	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1010·2	-1	NE	1	c	59	92	8	4000	SV	7	–	7	2
Portland Bill	1013·9	0	ESE	4	b	59	85	8	1500	StCu	3	–	3	*
Calshot	1012·2	-2	ENE	2	b	55	85	8	–	–	0	–	0	*
Dungeness	1013·2	0	NNE	1	b	49	92	6	–	–	0	–	0	*
Jersey 7h, Guernsey 1h	1011·1	0	ESE	3	bc	63	65	8	5750	StCu	5	–	5	*

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	Low Cloud Form.	Low Cloud Amt. (0-10)	Upper Form.	Total Amt. (0-10)	Sea. (0-9)
Lerwick	1010·9	0	–	0	odd	49	97	6	–	Nb	10	–	10	0
Stornoway	1006·8	-3	ENE	1	o	53	97	6	450	SV	10	–	10	1
Wick	1007·0	-2	–	0	mmo	51	97	4	1500	SV	6	a.SV	10	0
Castlebay	1006·4	-2	ENE	3	dodo	55	97	4	800	Nb	10	–	10	3
Nairn	1007·3	*	–	0	o/r	49	97	7	1500	SV	9	–	9	4
Aberdeen	1008·9	-1	WNW	1	or	48	97	5	2500	Nb	10	–	10	0
Malin Head	1004·6	0	SE	1	c	58	97	8	1500	St	8	–	8	0
Renfrew	1008·5	-1	NE	1	orr	52	97	3	800	Nb	10	–	10	
Leith (Inchkeith)	1008·5	-1	ESE	1	orr	52	97	3	–	Nb	10	–	10	0
Eskdalemuir	1009·9	-1	–	0	o	52	75	6	2500	StCu	8	a.SV	10	
Tynemouth	1010·3	-1	WSW	1	c	50	86	5	2500	SV	4	Ci.Cu	8	0
Blacksod Point	1002·6	-1	SE'S	2	o-	59	92	8	2500	?	10	–	10	0
Donaghadee	1008·2	-2	S	2	c-	57	92	8	2500	SV	8	–	8	0
Birr Castle	1005·0	*	S	2	c-	61	97	7	2500	Nb	6	Ci.Cu	8	
Baldonnell	1007·1	-1	SE	1	o	60	92	8	1500	StCu	5	a.SV	10	0
Holyhead	1008·0	-1	SSE	3	o	60	65	9	4000	StCu	2	a.SV	10	2
Liverpool (Bidston)	1009·4	+1	SE	3	o+	53	65	7	4000	SV	9	–	9	
Manchester (Alex.Pk.)	1010·6	0	E	1	o/f	53	65	5	4000	StCu	10	–	10	
Howden	1011·4	0	SE'S	1	o+	42	97	4	2500	SV	6	a.SV	10	
Spurn Head	1011·4	0	S	2	mo-	53	92	5	1500	SV	4	a.SV	9	
Nottingham	1011·5	*	NE	1	c+	43	97	3	–	–	0	Ci.SV	8	
Cranwell	1012·7	0	S'E	2	o	42	97	6	–	–	0	a.SV	10	0
Gorleston	1013·8	-2	NW'N	1	FFb	45	97	0	–	–	0	–	0	
Pulham	1013·0	-1	–	0	FFo	43	97	1	<150	SV	10	–	10	0
Felixstowe	1014·2	-1	–	0	Fo+	47	97	1	<150	SV	10	–	10	
Valencia (Cahirciveen)	1003·0	0	SSE	3	o	61	92	9	1500	StCu	10	–	10	6
Roches Point	1006·8	0	SE	4	o/r	60	97	5	<150	SV	10	–	10	3
Pembroke (St. Ann's H.)	1008·1	-1	SE	4	bc	58	92	8	4000	StCu	5	–	5	
Ross-on-Wye	1010·8	-2	–	0	o	46	92	6	–	–	0	a.SV	10	
Benson	1011·4	-1	–	0	c+	44	92	6	–	StCu	3	Ci.SV	8	
S. Farnborough	1011·7	-1	ESE	1	mmo	44	97	4	–	–	0	a.SV	9	
London (Kew Obsy.)	1012·1	-1	–	0	fc-	45	97	2	–	–	0	Ci	8	
Croydon	1012·8	0	–	0	o+	46	92	6	5750	StCu	1	Ci.SV	9	
Clacton-on-Sea	1012·8	-1	E	1	FFo	49	92	0	<150	SV	10	–	10	0
Shoeburyness	1012·8	-2	N'E	1	FFo	49	92	1	<150	SV	10	–	10	
Grain	1012·4	-1	–	0	FFo	50	97	0	<150	SV	10	–	10	
Lympne	1012·8	0	SE	2	c+	55	97	6	–	–	0	Ci.SV	8	4
Scilly (St. Mary's)	1005·6	-1	SE	4	opr₀	58	85	7	4000	CuNb	9	–	9	
Falmouth	1007·5	-1	SE	3	o	60	85	8	4000	StCu	4	a.SV	10	0
Plymouth	1008·[illegible]	-2	ENE	3	o	61	75	8	4000	StCu	3	a.SV	10	3
Portland Bill	1010·4	-4	E'S	4	bc+	62	85	8	4000	StCu	6	–	6	3
Calshot	1010·5	-2	ESE	4	[illegible] o2m	58	92	5	[illegible]	[illegible]	[illegible]	A.St	7	2
Dungeness	1012·6	-1	SE	2	bc+	60	85	6	–	–	0	Ci	5	
Jersey 7h, Guernsey 1h	1009·1	0	E	3	b	63	75	8	–	–	0	Ci	3	

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

Stations	Weather Fore-noon.	Weather After-noon.	Temp. Max. Day °F.	Temp. Min. Night °F.	Rainfall Night 17h.-9h. 30th-1st (mm.)	Rainfall Day 9h.-17h. 1st (mm.)	Sunshine Sunrise to 17h. 1st (hr.)	Sunshine Sunrise to Sunset 30th (hr.)
Banff	b	bz	62	46	–	–	9·2	0·0
Montrose	cf	bcf.	62	45	–	–	7·3	1·3
Llandudno	c.b	b.bc	73	48	–	–	5·7	6·5
Colwyn Bay	b	b	74	46	–	–	7·1	8·2
Rhyl	bc	bc	75	43	–	–	8·2	6·4
Southport	bc.b	b	70	47	–	–	8·6	7·1
Blackpool	bc	c	68	48	–	–	8·5	5·5
Harrogate	b	b	65	44	–	–	8·8	0·8
Skegness	o.c.	b	63	48	–	–	6·6	5·8
Aberystwyth	c.b	o.o	73	47	–	–	7·7	8·0
Bath	b	b	74	39	–	–	8·4	5·6
Leamington Spa	b.	bc	71	36	–	–	8·0	5·6
Lowestoft	bc	bc	65	54	–	–	6·5	8·6
Felixstowe	bm	bm	66	56	–	–	8·2	6·3
Southend	mw bc.b	b.bc	71	48	–	–	8·3	7·7

Stations	Weather Fore-noon.	Weather After-noon.	Temp. Max. Day °F.	Temp. Min. Night °F.	Rainfall Night 17h.-9h. 30th-1st (mm.)	Rainfall Day 9h.-17h. 1st (mm.)	Sunshine Sunrise to 17h. 1st (hr.)	Sunshine Sunrise to Sunset 30th (hr.)
Paignton	W bm	bc	67	42	–	–	7·1	5·1
Ilfracombe	b.	b.bc.b	71	55	–	–	8·0	7·0
Bude	w.b.bc	b	70	49	–	–	5·8	8·4
Penzance	c.	c.bc	65	57	–	–	2·0	6·5
Torquay	wm.bz	bz	67	47	–	–	8·3	6·2
Weymouth	b	b.bc	72	50	–	–	8·3	5·2
Bournemouth	FW	b.b	68	42	–	–	7·5	6·0
Portsmouth (S'thsea)	b	b	68	50	–	–	9·8	8·9
Worthing	b	b	67	48	–	–	10·2	9·2
Brighton	f.b	b	67	47	–	–	8·9	8·0
Eastbourne	bc.b	b	67	45	–	–	9·6	9·7
Hastings	w b.	b	65	53	trace	–	10·1	9·5
Folkestone	b	b	67	44	–	–	9·5	8·4
Tunbridge Wells	cm.b	b	73	41	–	–	9·7	8·2
Ramsgate								
Margate	b	b	63	53	–	–	9·5	8·7
Deal	b	b	68	44	–	–	9·6	9·0

* 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.21,865 MONDAY, 3rd October 1921. Page 1.

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	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1009·2	-4	E	1	oYY	49	97	7	7250	Nb	10	-	10	*
Stornoway	1005·3	-3	—	0	o	54	97	6	450	St	10	-	10	*
Wick	1005·1	-3	E	1	cm-	54	97	6	-	-	-	A.St	10	*
Castlebay	1004·4	-1	E	4	dodo	53	97	4	800	Nb	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1006·9	-2	SW'S	2	oYY	54	92	5	2500	Nb	10	-	10	*
Malin Head	1003·4	-2	SSW	3	or₀	61	97	8	2500	Nb	10	-	10	*
Renfrew	1007·1	-2	NE	1	o/Y	59	92	4	2500	St	7	A.St	10	*
Leith (Inchkeith)	1007·7	-4	E	2	mmbc	54	92	4	-	Cu	2	A.St	6	*
Eskdalemuir	1008·1	-1	S'W	2	o	62	65	7	-	-	-	Ci.St	9	*
Tynemouth	1008·9	-2	SSW	3	opr₀	61	75	4	2500	St	5	A.St	10	*
Blacksod Point	1012·4	0	SW	3	o	62	92	8	1500	St	10	-	10	*
Donaghadee	1007·5	-1	SW	2	cpr₀	60	85	8	-	-	-	A.St.	8	*
Birr Castle	1004·3	*	S	1	o+	64	85	8	1500	Cu	9	-	9	*
Baldonnell	1005·6	-2	NE	2	od₀	60	92	6	2500	St.	10	-	10	*
Holyhead	1006·8	-2	E	3	o/Y	64	75	8	-	-	-	A.Cu	10	*
Liverpool (Bidston)	1007·2	-4	SSE	4	c-	62	55	5	2500	Cu	4	A.Cu	7	*
Manchester (Alex. Pk.)	1008·2	-4	ENE	3	zo	67	45	5	2600	St	5	A.Cu	10	*
Howden	1009·4	-3	SSE	3	o	61	65	6	5750	St.	6	A.St	10	*
Spurn Head	1010·1	-2	SSE	2	mo-	63	85	6	2500	St	10	-	10	*
Nottingham	1008·9	*	SSE	1	c	69	55	8	-	-	-	Ci.St	7	*
Cranwell	1010·3	-3	SSE	3	o	66	55	6	5750	Cu	1	A.St	10	*
Gorleston	1012·5	-1	S'E	3	mc-	64	85	5	-	-	-	Ci.St	7	*
Pulham	1010·7	-2	ESE	2	o	68	75	6	-	-	-	Ci.St	10	*
Felixstowe	1012·0	-4	ESE	2	o⊗	65	75	8	-	-	-	A.St.	9	*
Valencia (Cahirciveen)	1001·5	-2	ESE	3	c	68	65	8	4000	StCu	5	Ci.Cu	7	*
Roches Point	1004·0	-1	ESE	4	o	63	85	8	2500	StCu	10	-	10	*
Pembroke (St. Ann's H.)	1005·6	-2	SE	4	or₀r₀	61	97	8	1500	Nb	10	-	10	*
Ross-on-Wye	1008·1	-4	-	0	o	64	65	6	-	-	-	A.St.	10	*
Benson	1008·5	-6	SSW	3	c+	68	56	6	-	St.	2	A.St	8	*
S. Farnborough	1008·2	-4	SE	3	c/+	73	45	8	4000	StCu	3	Ci	8	*
London (Kew Obsy.)	1009·1	-4	SE	3	o/+	70	45	8	4000	StCu	1	A.St.	10	*
Croydon	1010·0	-4	SSE	2	o	71	45 (56 struck out)	8	5750	StCu	4	Ci.St	9	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1010·4	-3	E	3	c/+	67	75	6	-	-	-	A.St.	7	*
Grain	1009·7	-3	SE	3	c	68	56	8	-	-	-	A.Cu	8	*
Lympne	1010·2	-4	SE	4	o⊗	70	45 (57 struck out)	8	-	-	-	Ci.St	9	*
Scilly (St. Mary's)	1004·4	-1	SE	5	opr₀	61	92	8	4000	StCu	10	-	10	*
Falmouth	1006·4	-2	ESE	1	oY-	60	92	7	1500	CuNb	10	-	10	*
Plymouth	1006·8	-2	-	0	o/Y	62	92	8	4000	StCu	2	A.St.	9	*
Portland Bill	1008·0	-3	E'S	2	bc	64	85	7	-	-	-	A.Cu	6	*
Calshot	1008·5	-4	ESE	4	bc-	65	85	8	-	-	-	A.Cu	6	*
Dungeness	1010·2	-3	SE	2	c+	67	65	6	-	-	-	Ci.Cu	8	*
Jersey	1008·9	0	SSE	3	o	69	85	8	4000	StCu	10	-	10	*

Observations at 1800 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	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1007·0	-2	ENE	3	oYY	50	97	2	7250	Nb	10	-	10	2
Stornoway	1003·1	-2	ENE	1	fo	53	97	3	450	St	10	-	10	0
Wick	1003·2	-2	SW	1	o	54	92	7	5750	StCu	9	-	9	0
Castlebay	1004·5	-1	—	0	FFo	57	97	3	800	St.	10	-	10	1
Nairn	1003·1	*	-	*	c/r	56	92	8	4000	CuNb	7	-	7	*
Aberdeen	1004·7	-2	S	1	o/Y	55	92	4	4000	StCu	4	A.St	9	0
Malin Head	1002·5	-1	S	2	o	61	94	8	1500	St	4	A.St	10	0
Renfrew	1005·1	-1	-	0	o	59	92	5	2500	StCu	7	A.St	10	*
Leith (Inchkeith)	1005·3	-2	W	1	mmc	56	85	5	-	StCu	2	A.St	7	0
Eskdalemuir	1006·6	-2	NW	2	o/Y	53	85	6	4000	StCu	5	A.St.	10	*
Tynemouth	1006·9	-3	S	1	o/Y	56	85	5	5750	StCu	10	-	10	2
Blacksod Point	1001·5	-2	-	0	oY-	60	97	7	450	St.	10	-	10	0
Donaghadee	1005·8	-1	SSE	1	or₀	57	85	8	7250	Nb	10	-	10	0
Birr Castle	1002·2	*	S	1	o/r	58	92	8	1500	StCu	9	-	9	*
Baldonnell	1004·2	-2	NE'N	1	odd₀	56	97	5	2500	St.	10	-	10	*
Holyhead	1004·5	-2	SSE	2	or₀	63	65	8	5750	Nb	5	A.St	10	0
Liverpool (Bidston)	1005·4	-2	SE	2	o+	60	75	3	1500	St.	10	-	10	3
Manchester (Alex. Pk.)	1005·9	+1	ESE	2	c-	59	75	4	4000	StCu	7	-	7	*
Howden	1007·1 (1008·1 struck out)	-2	ESE	2	o	60	75	6	2500	St.	7	A.St	10	*
Spurn Head	1008·8	-1	SE	4	o	59	92	7	2500	St.	1	A.St	9	2
Nottingham	1006·0	*	E	2	o+	62	65	7	1500	Nb	7	A.St	10	*
Cranwell	1008·2	-2	SSE	3	o	60	75	6	4000	St.	1	A.St	9	*
Gorleston	1010·7	-2	S'E	2	2o+	60	92	5	-	-	-	A.St	10	0
Pulham	1008·7	-2	ESE	2	c+	60	92	6	-	StCu	6	Ci.Cu	8	*
Felixstowe	1010·2	-2	SE'E	2	zbc	63	86	7	-	-	-	A.Cu	4	0
Valencia (Cahirciveen)	1001·5	+1	-	0	c	62	92	8	4000	StCu	7	Ci.Cu	8	0
Roches Point	1000·7	-3	ENE	2	or₀	60	97	7	2500	Nb	10	-	10	6
Pembroke (St. Ann's H.)	1002·3	-4	SE	5	or₀	61	97	8	1500	Nb	10	-	10	3
Ross-on-Wye	1006·8	-2	SSW	1	o	61	85	6	2500	Nb	7	A.St	10	*
Benson	1007·6	+1	S	3	or₀	61	92	6	"	Nb	10	-	10	*
S. Farnborough	1008·3	0	SSE	1	mo	63	85	7	2500	Nb	5	A.Cu	9	*
London (Kew Obsy.)	1008·3	+1	S'W	2	o+	66	75	6	4000	StCu	10	-	10	*
Croydon	1009·1	0	SSW	1	o+	65	75	7	5750	StCu	6	A.Cu	9	*
Clacton-on-Sea	1008·8	-3	ESE	2	c+	63	85	6	4000	Cu	4	Ci	7	0
Shoeburyness	1008·4	-2	-	0	bc	64	85	6	4000	StCu	3	A.Cu	5	*
Grain	1008·4	-1	-	0	c	67	75	8	-	-	-	A.Cu	8	0
Lympne	1009·0	*	S	2	c	66	75	8	7250	StCu	5	A.Cu	7	*
Scilly (St. Mary's)	1002·7	0	SW	6	cpr₀	61	97	7	4000	CuNb	8	-	8	7
Falmouth	1004·7	-4	SSW	7	oDD	60	97	6	1500	Nb	10	-	10	6
Plymouth	1006·9	0	S	5	o	62	92	8	1500	St.	5	A.St.	9	6
Portland Bill	1008·0	0	SW	3	bz	62	85	7	-	-	-	Ci.Cu	1	3
Calshot	1009·2	0	S'W	1	o+r	63	85	8	1500	St	10	-	10	0
Dungeness	1008·4	-1	SSW	2	c-	65	85	8	-	-	-	A.Cu	7	2
Jersey	1010·3	+1	S	3	c	68	85	8	4000	StCu	8	-	8	3

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. 3rd								YESTERDAY.		TO-DAY.
Kew (24 hours ended 0700)	ofwcmo	o.c.o	bc.c.oqo.	*	*	59	-	-	2·1	*	*
Croydon (24 hours ended 0700)	olmizy	o.cy.o	orzswoy	*	*	56	-	-	3·5	*	*
Greenwich (Royal Obsy.)	c.	c	bc.c.	77	56	53	-	-	2·7	44	66
City (Bunhill Row)	*	*	*	*	*	*				*	*
Westminster (St. James' Pk.)	*	*	*	75	56	53	-	-		45	73
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*			2·0	*	*
Camden Sq. (Brit. Rainfall)	?	?	*	76	56	55	-	-	*	?	68
Kensington Palace	bc.c.o	o	*	77	62	58	-	-	*	67(18h)	75
Hampstead Observatory	*	*	*	73	53	54	-	-		*	82

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.
24 Hrs. ended 1800 G.M.T. 3rd

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

SOLAR RADIATION. Vertical component per square centimetre.
During yesterday.
South Kensington.
Total .... joules
Average Rate .... Milliwatts.
Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.
Exposure from 2nd ... 18 ... h.30 m.
to 3rd ... 05 ... h.00 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	10.30	10·25	99
δ Ursae Minoris	10.30	9.59	95

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.
3rd and 4th October 1921.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.58 6·0	11·42 11·42	5.25 5.23
Greenwich	6·4 6·7	11·49 11·49	5.33 5.31
Wick	6·23 6·26	12·1 12·1	5.39 5.36
Valencia	6·45 6·47	12·30 12·30	6·14 6·12

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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 ₀ 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1-3	0·3-1·5
2	4-7	1·6-3·3
3	8-12	3·4-5·4
4	13-18	5·5-7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

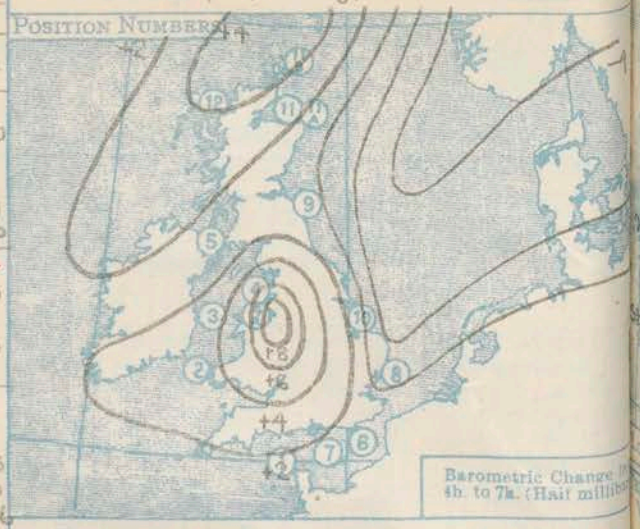
* Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 2nd	13h.-18h. 2nd	18h. 2nd to 1h. 3rd	1h.-7h. 3rd	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL. Day. 7h.-18h. mm	Night. 18h.-7h. mm	Precipitation began.	Precipitation began.	SUN. Hours.
Lerwick	rord	rord	$r_0 r_0$	$r_0 r_0$	50	43	.	3	8	<08:00	<2100	.
Stornoway	oo	p	rord	oo	55	46	.	2	13	–	–	0·0
Wick	form	om	oo	$or_0 r_0$	56	46	.	–	1	–	0220	.
Castlebay ...	draff	df.F.f	omdm	dmrr	57	50	.	2	5	<0800	–	0·0
Nairn	rord	rord	rord		60	48	.	1	4	1630	<2100	1·9
Aberdeen ...	rrmq	$r_0 o$	o.bcwm.		57	53	48	9	–	<08:00	–	0·0
Malin Head	ir_0	$r_0 r_0$	ir	ir.ff	62	56	.	1	8	–	<21:00	0·2
Renfrew	ofrro	oomm	orm.or_0	olmo$_0$	63	52	51	14	0·2	<08:00	2400	0·0
Leith (Inchkeith) ...	form	form	form		58	53	47	9	2	15·30	0430	.
Eskdalemuir	oo	oir_0	$oir_0 r_0$	rord	64	49	47	0·2	2	14·30	<2100	1·0
Tynemouth	cifpo	pom	pom	offp$_0$	63	54	.	0·4	0·2	12·30	<2100	.
Blacksod Point ...	rord	rord	rord	rord	62	56	.	3	7	11·00	<2100	.
Donaghadee	cmp	cmp	omp	omp	62	53	.	0·3	1	12·30	<2100	.
Birr Castle	$cg_0 or$	oorr	opr	65 ~~62~~	55	53	2	2	<0800	<2100	0·8
Baldonnell	ooir	~~[illegible]~~	or_0.cbo	opr_0	64	51	46	2	1	1730	2200	0·0
Holyhead	$r_0 r_0 o$	oir_0	cp odm $r_0 r_0$	moirq	67	56	55	1	2	<08:00	<2100	0·6
Liverpool (Bidston) ...	c	oo	rord		65	53	51	–	5	–	<2100	0·1
Manchester (Alex.Pk.)	oo	ozpr	ozo.opm	orrom	69	58	54	Trace	6	15·30	<2100	.
Howden	oo	p	p	rord	64	57	50	Trace	3	16·30	<2100	0·0
Spurn Head	form	oo	oo	p	63	57	*	–	1	–	–	*
Nottingham	c	c	po	r_0	73	59	53	Trace	0·6	16·30	0430	1·5
Cranwell	oo	po	c	r_0	69	56	49	0·2	0·3	17·30	0530	1·9
Gorleston	form	c	bl	blcq	65	58	56	Trace	–	–	–	3·5
Pulham	form	c	c	c	71	59	54	–	trace	–	0630	2·0
Felixstowe	form	c	co	c	66	~~60~~ 59	58	–	–	–		3·4
Valencia (Cahirciveen)	opc	coc	~~[illegible]~~	o.dm	69	57	55	0·6	1	<08:00	0130	5·0
Roches Point	p	p	d.o.b.	c	64	57	*	3	0·5	11·00	–	*
Pembroke (St.Ann's H.)	oo	o:r	oq/ir	c	62	59	.	0·4	3	–	<2100	0·0
Ross-on-Wye	oco	ocop.om	o.cmp	oq/p.co	66	60	57	0·2	1	16·30	<2100	0·5
Benson...	ov_0	rord.	r_0	oo	?	59	52	0·5	trace	16·30	<2100	*
S. Farnborough ...	form	rlr.	bor bc		77	61	56	0·4	–	16·30	–	4·8
London (Kew Obsy) ...	ofwcmo	oco	bc.c	oq/o	76	62	59	–	–	–	–	2·1
Croydon	olwzy	ocyo	012.bw.q	oq/	76	61	56	–	–	–	–	3·5
Clacton-on-Sea ...	fc	fcz	cz	cz.c	65	60	57	–	–	–	–	3·3
Shoeburyness	form	c	c		67	60	57	–	–	–	–	3·2
Grain	c	oo	bor bo		73	60	55	–	–	–	–	3·6
Lympne	cbccohm	ocy	o.c.$bl r_0$	bc.c.o.o_0	72	58	55	–	trace	–	<2100	6·4
Scilly (St. Mary's) ...	p	p	cq/	oo	62	59	.	2	1	<0800	<2100	0·0
Falmouth	orctr	cqodq	rq.bc	op	63	60	59	5	3	12·30	<2100	0·5
Plymouth	p	c	rord	rord	68	60	59	0·4	5	–	<2100	1·8
Portland Bill	c	iR	bor bc	oo	65	59	.	5	–	15·30	–	.
Calshot	form	rlr	c	c	65	61	59	1	–	14·30	–	0·0
Dungeness	c	bobc	$cr_0 zl$	oirq	69	62	.	–	0·1	–	<2100	.
Jersey	bo	oc	formz	bwo	74	62	.	–	–	–	–	6·0

ISALLOBARS 0700, Monday, 3rd October.



Temperature reported from Cross Channel and Coastal Steamers.

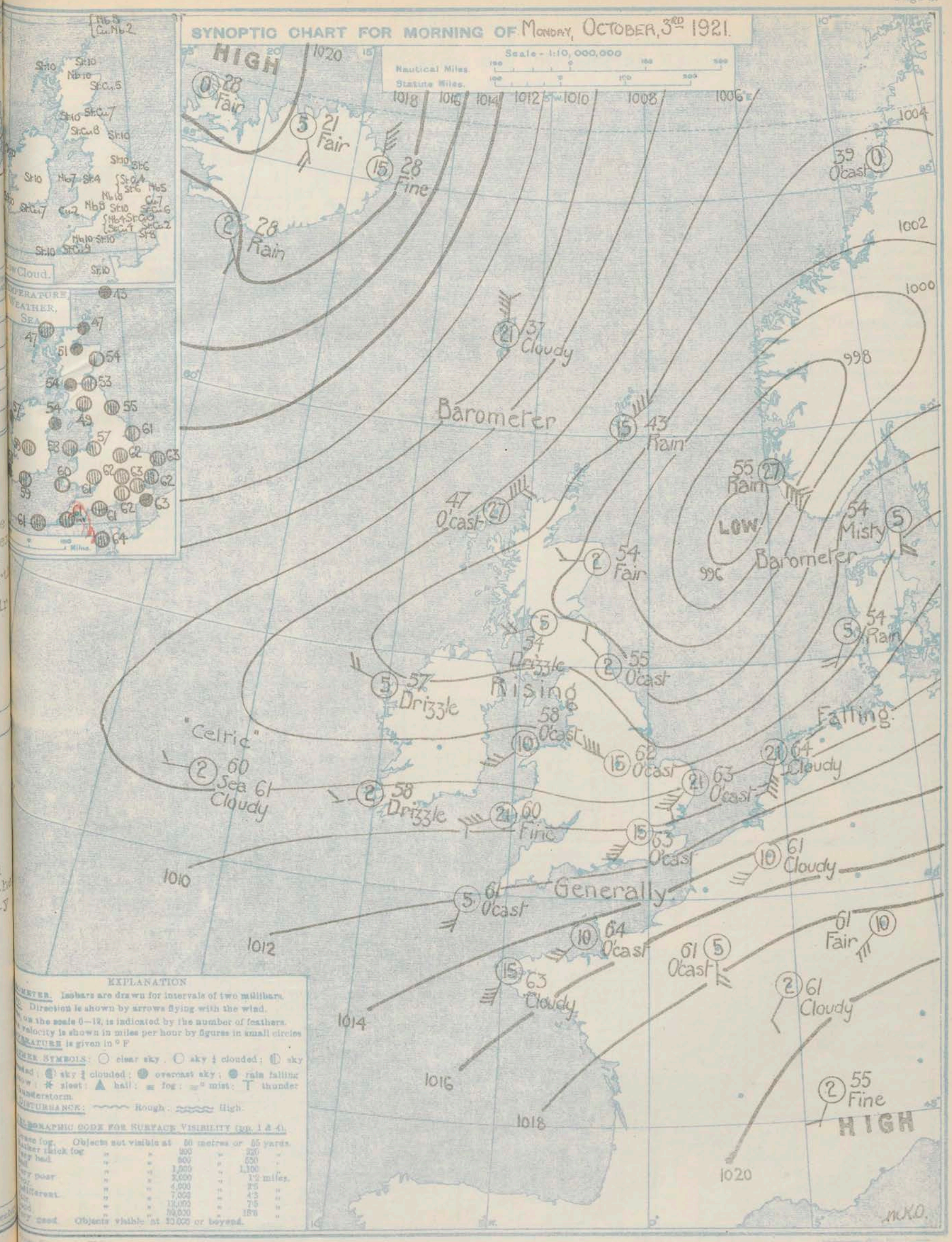
Position Number	3	6											
Date	2nd	3rd											
Time G.M.T.	1000	0305											
Sea ° F.	57	61											
Air ° F	58	63											

GENERAL INFERENCE.

The pressure distribution now indicates an unsettled type of weather generally. A complex depression covers our Northern districts and the Northern North Sea, and some rain or passing showers, with considerable fair intervals, may be expected in most places.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday 3rd October 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind West and South-West, moderate or fresh then decreasing; mainly cloudy or overcast, some rain or showers; fairer intervals; visibility fair or good; temperature rather high to moderate.	An unsettled type of weather will probably continue.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind West and South-West, moderate to fresh; much cloud generally, some rain or showers, fairer intervals; visibility fair; moderate temperature.	
11. E. Scotland	Same as 14 - 16.	
12. S.W. Scotland 13. Isle of Man	Wind between SW and NW light to moderate; much cloud, some showers; visibility fair; moderate temperature.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind NE and N, moderate to fresh; dull, rainy, then fairer; visibility fair; rather cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind between W and SW or S, light to fresh; mainly cloudy or overcast, some rain; visibility fair; moderate temperature.	

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


SYNOPTIC CHART FOR MORNING OF MONDAY, OCTOBER, 3RD 1921.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
HIGH
1020
1018
1016
1014
1012
1010
1008
1006
1004
1002
1000
998
996
0 28 Fair
5 21 Fair
15 28 Fine
2 28 Rain
21 37 Cloudy
Barometer
15 43 Rain
39 O'cast 0
55 Rain 27
47 O'cast 27
LOW
54 Misty 5
2 54 Fair
Barometer
5 54 Rain
5 54 Drizzle
2 55 O'cast
5 57 Drizzle
Rising
58 O'cast 10
Falling
"Celric"
2 60 Sea Cloudy 61
15 62 O'cast
21 64 Cloudy
21 63 O'cast
2 58 Drizzle
21 60 Fine
15 63 O'cast
10 61 Cloudy
1010
5 61 O'cast
Generally
1012
10 64 O'cast
61 5 O'cast
61 Fair 10
15 63 Cloudy
2 61 Cloudy
1014
1016
1018
2 55 Fine
HIGH
1020
Low Cloud.
Temperature Weather, Sea
EXPLANATION
Barometer. Isobars are drawn for intervals of two millibars.
Wind. Direction is shown by arrows flying with the wind.
Force on the scale 0—12, is indicated by the number of feathers.
Wind velocity is shown in miles per hour by figures in small circles
Temperature is given in ° F
Weather Symbols: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
Disturbance: Rough; High.
Meteorographic Code for Surface Visibility (gr. 1 & 4).
Dense fog. Objects not visible at 50 metres or 55 yards.
Darker thick fog " " 200 " 220 "
Very bad " " 500 " 550 "
Bad " " 1,000 " 1,100 "
Very poor " " 2,000 " 1½ miles.
Poor " " 4,000 " 2½ "
Moderate " " 7,000 " 4½ "
Good " " 12,000 " 7½ "
Very good " " 30,000 " 18½ "
Objects visible at 30,000 or beyond.
M.K.O.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Monday, 3rd October 1921. No. 276

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	1003·0	-2	ME	5	or₀r₀	47	92	6	7250	MB	10	-	10	*
Stornoway	1002·5	-3	-	0	0	*	*	4	*	*	*	*	*	*
Wick	1000·6	-2	WNW	1	o+	52	97	8	800	Sr	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1011·8	0	SSW	2	or	59	97	8	800	Sr.	10	-	10	*
Renfrew	1003·3	-3	-	0	0	53	92	7	800	MB	10	-	10	*
Leith (Inchkeith) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1003·6	-3	N	1	or₀r₀	50	85	6	4000	MB	10	-	10	*
Tynemouth	1003·3	-3	SW	1	o/r	55	92	5	5750	MB	10	-	10	*
Blacksod Point ...	1002·5	+1	W	2	or	59	97	6	450	Sr	10	-	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1003·5	0	-	0	b	52	97	8	2500	Sr	1	-	1	*
Holyhead	1000·4	-2	E	4	or₀r₀	*	*	4	450	Sr	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1003·3	-3	S	3	or₀+	59	85	5	2500	MB	10	-	10	*
Spurn Head	1004·6	-2	SW	4	b/r	58	92	8	-	-	0	-	0	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1005·3	-4	SW'S	4	o	60	92	6	2500	Sr	10	-	10	*
Gorleston	1009·1	0	SW	4	b	60	92	8	-	-	0	-	0	*
Pulham	1007·8	0	S'E	2	bc2	59	92	8	-	-	0	-	0	*
Felixstowe														*
Valencia (Cahirciveen)	1005·3	+3	-	0	o/r	59	97	3	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1004·7	+6	SW	8	o	59	97	8	1500	MB	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1009·8	0	SW'W	5	o+	63	75	8	4000	StCu	9	-	9	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1010·7	+1	SE	3	bc-	59	92	8	2500	Sr	5	-	5	*
Scilly (St. Mary's) ...	1009·4	+5	WSW	4	bc	60	97	8	1500	Sr	4	-	4	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1009·7	+2	SW	1	o	61	97	7	800	Sr	10	-	10	?
Portland Bill	1009·9	+2	SW	7	b	59	85	7	-	-	0	Ci Cu	3	*
Calshot	1010·4	0	SW	4	o+	63	85	8	2500	Sr	10	-	10	*
Dungeness	1011·0	0	SW	5	b	63	92	8	-	-	0	-	0	*
Jersey 7h } ... ... Guernsey 1h }	1012·0	+2	SW	5	bp₀r₀	63	85	8	5750	StCu	3	-	3	*

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	1004·2	+5	NE	4	or₀	43	92	8	7250	MB	10	-	10	3
Stornoway	1005·5	+5	NE	6	o/r	47	92	6	450	Sr	10	-	10	5
Wick	1002·9	+4	NNW	6	or₀r₀	47	97	8	800	Sr	10	-	10	3
Castlebay	1003·3	+1	NE	5	orr	50	97	5	800	Nb	10	-	10	5
Nairn	1002·7	*	ENE	4	or+	51	92	7	2500	MB	10	-	10	*
Aberdeen	1001·3	+1	W	1	bc-	54	92	5	4000	StCu	5	-	5	0
Malin Head	1008·4	+2	SSW	1	ffo	57	97	1	450	Sr	10	-	10	0
Renfrew	1003·6	+1	WSW	2	od₀	54	85	6	~~450~~ 4000	Sr	10	-	10	*
Leith (Inchkeith) ...	1002·2	-1	W	3	mc+	53	92	5	-	StCu	7	CiSr	8	2
Eskdalemuir	1004·1	+2	-	0	0	49	97	7	4000	StCu	8	CiSr	9	*
Tynemouth	1002·7	+2	NW	1	0	55	85	6	2500	Sr	10	-	10	0
Blacksod Point ...	1004·3	+3	WNW	2	oD₀	57	97	4	450	Sr	10	-	10	0
Donaghadee	1005·0	+1	SW	2	orr₀	54	92	8	-	-	0	aSr	10	1
Birr Castle	1006·0	*	SW	1	o+	59	97	6	450	Sr	10	-	10	*
Baldonnell	1006·1	+4	S'W	3	o	59	92	6	800	Sr	10	-	10	*
Holyhead	1006·7	+4	SW	3	o	58	92	7	2500	MB	7	aSr	10	1
Liverpool (Bidston) ...	1005·7	+8	W	4	c/r	57	85	7	4000	Sr	4	CiCu	7	3
Manchester (Alex.Pk.)	1006·5	+11	WSW	4	o/r	58	92	5	1500	MB	10	-	10	*
Howden	1002·3	+3	SW'W	4	fo-	57	97	2	800	Sr	10	-	10	*
Spurn Head	1006·9	-2	W	5	c-	61	92	7	2500	Sr	6	CiCu	8	3
Nottingham	1006·3	*	WNW	4	o	62	85	6	1500	MB	10	-	10	*
Cranwell	1004·2	+2	WNW	6	o	61	92	8	1500	Sr	10	-	10	*
Gorleston	1008·3	-2	SW	5	o+	63	75	8	4000	MB	5	aSr	10	*
Pulham	1006·1	-1	?W	5	od₀	64	85	7	2500	StCu	10	-	10	*
Felixstowe	1009·9	-1	SW'S	5	o+	63	75	8	1500	StCu	9	-	9	3
Valencia (Cahirciveen)	1008·1	+2	WSW	1	od₀d₀	58	92	6	450	Sr	10	-	10	0
Roches Point	1008·9	+3	W	2	c	59	92	9	2500	StCu	7	-	7	2
Pembroke (St. Ann's H.)	1009·7	+2	WSW	5	b-	60	92	8	1500	Cu	2	-	2	6
Ross-on-Wye	1008·8	+6	SW'W	4	o	61	85	8	2500	MB	8	aSr	9	*
Benson	1009·7	+5	WSW	5	o	62	85	8	-	Sr	10	-	10	*
S. Farnborough ...	1010·1	+3	WSW	7	c-	62	85	8	1500	MB	8	-	8	*
London (Kew Obsy.) ...	1010·2	+3	SW	4	o	63	75	8	4000	StCu	9	-	9	*
Croydon	1010·6	+3	W'S	5	o	62	75	8	1500	Sr	10	-	10	*
Clacton-on-Sea ...	1008·4	-1	SSW	4	c	62	85	8	4000	Cu	7	-	7	3
Shoeburyness	1009·6	0	SW	6	c-	64	75	7	2500	StCu	6	Ci	7	*
Grain	1010·4	+1	SW	6	bc	64	75	8	2500	StCu	4	CiCu	5	*
Lympne	1011·6	+1	SSW	5	b-	61	85	8	2500	StCu	2	CiSr	3	*
Scilly (St. Mary's) ...	1011·4	+1	SW'S	2	o	61	97	7	1500	Sr	10	-	10	3
Falmouth	1011·9	+2	WSW	4	mmo	61	97	6	1500	StCu	9	-	9	1
Plymouth	1012·0	+3	WSW	1	od₀	61	97	8	4150	MB	10	-	10	6
Portland Bill	1011·1	+2	SW	6	o+	61	85	6	450	Sr	10	-	10	0
Calshot	1012·0	+3	WSW	4	b-	62	92	8	-	-	0	Ci	2	5
Dungeness	1011·5	+1	WSW	5	or	63	92	8	800	Sr	8	-	8	3
Jersey 7h } ... ... Guernsey 1h }	1011·8	+1	SW	3	o	64	85	8	1500	Sr	10	-	10	3

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 1st-2nd mm.	Rainfall.† Day 9h.-17h. 2nd mm.	Sunshine. Sunrise to 17h. 2nd hr.	Sunshine. Sunrise to Sunset. 1st hr.
Banff	oro	op	59	46	1	1	0·2	9·2
Montrose	oro	rc	60	42	0·4	9	2·0	7·3
Llandudno	o	o	67	58	0·1	-	0·0	5·7
Colwyn Bay ...	bcbcc	bcbco	66	56	-	-	0·4	0·0
Rhyl	oc	co	65	52	0·1	-	0·1	8·2
Southport	oco	ocopc	66	51	-	-	0·6	8·5
Blackpool	oc	o	66	52	-	-	0·1	8·5
Harrogate	cc	co	58	44	-	-	0·0	8·8
Skegness	bc	o	64	50	-	-	0·8	6·6
Aberystwyth ...								
Bath	ocbc	bcoy	76	39	-	1	3·0	8·6
Leamington Spa ...								
Lowestoft	bcm	bcco	66	44	-	-	3·9	8·6
Felixstowe	F	bc2	65	43	-	-	3·5	8·3
Southend	mmbco	cbc	71	43	-	-	3·7	8·3

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 1st-2nd mm.	Rainfall.† Day 9h.-17h. 2nd mm.	Sunshine. Sunrise to 17h. 2nd hr.	Sunshine. Sunrise to Sunset. 1st hr.
Paignton	ocbc	cbcpo	67	51	-	2	2·1	7·1
Ilfracombe	ocop	ocop	66	61	-	1	1·2	8·2
Bude	pcorr	rrocc	65	53	0·5	4	0·2	6·1
Penzance	orc	bccor	63	59	3	1	0·6	2·3
Torquay	wcbc	bpbcc	66	57	-	1	1·8	8·4
Weymouth	cbcthr	bc	72	54	-	4	2·8	8·5
Bournemouth ...	c	cthr	68	46	-	5	2·3	7·0
Portsmouth (S'thsea)	b	c	69	52	-	-	4·8	10·0
Worthing	bc	bc	68	46	-	-	5·3	0·2
Brighton	cbcb	bbcc	70	48	-	-	5·0	8·5
Eastbourne	c	bcc	68	48	-	-	5·2	4·8
Hastings	bcoc	ocbbc	68	54	-	-	6·2	9·9
Folkestone	bc	b	72	50	-	-	5·6	9·5
Tunbridge Wells ...	oc	bc	74	43	-	-	3·9	9·4
Ramsgate	b	c	68	52	-	-	4·5	9·1
Margate	c	c	71	52	-	-	3·9	9·5
Deal	bc	zbc	69	41	-	-	5·0	9·4

‡ 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 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.21,866 TUESDAY, 4TH OCTOBER 1921.

Observations at 1300 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	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1008.7	+3	N	4	c-	47	75	8	·	Cu	8	·	8	*
Stornoway	?1010.6	+3	NE	5	o/r	48	75	6	450	St	10	·	10	*
Wick	1009.5	+6	NNW	5	c/r	48	85	9	4000	CuNb	7	·	7	*
Castlebay														
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1009.3	+4	N'W	3	o+	49	85	8	1500	St	10	-	10	*
Malin Head	1007.5	+4	WNW	2	o-	54	97	8	450	St	9	-	9	*
Renfrew	1004.0	+4	-	0	o/r	58	92	6	2500	StCu	10	·	10	*
Leith (Inchkeith)	1004.4	+3	ESE	2	orr	52	97	5	-	Nb	10	-	10	*
Eskdalemuir	1006.9	+3	SWS	2	o	56	92	6	450	St	10	-	10	*
Tynemouth	1006.6	+3	W	3	o	63	75	6	4000	StCu	10	·	10	*
Blacksod Point	1008.3	+4	NW	1	o-	60	85	8	1500	St	9	-	9	*
Donaghadee	1008.5	+2	W	1	o/r	62	85	8	5750	StCu	10	-	10	*
Birr Castle	1009.6	*	SW	2	o-	62	85	8	2500	StCu	9	·	9	*
Baldonnell	1009.8	+3	S'W	4	o	63	85	8	2500	StCu	8	ASt	10	*
Holyhead	1010.5	+4	SW	4	o	62	92	7	2500	StCu	10	·	10	*
Liverpool (Bidston)	1010.0	+3	WSW	3	o/r	61	85	7	4000	CuNb	9	-	9	*
Manchester (Alex.Pk.)	1009.9	+2	WSW	2	o	64	75	8	1500	StCu	10	-	10	*
Howden	1008.9	+4	W'N	4	o	64	75	5	2500	St	10	-	10	*
Spurn Head	1009.2	+9	W	5	c	65	85	6	4000	StCu	8	·	8	*
Nottingham	1010.4	*	W	4	c-	67	75	6	1500	CuNb	5	a.Cu	8	*
Cranwell	1010.4	+3	W'S	5	bc	69	75	8	2500	Cu	3	Ci.St	5	*
Gorleston	1011.5	+4	WNW	4	c-	71	65	8	4000	Cu	8	-	8	*
Pulham	1011.2	+5	SWW	3	o	67	85	6	2500	StCu	10	-	10	*
Felixstowe	1013.2	+2	WSW	5	o	68	65	8	2500	StCu	10	-	10	*
Valencia (Cahirciveen)	1009.1	0	ENE	1	o	62	85	8	800	St	10	-	10	*
Roches Point	1011.0	0	SE	3	orᵒrₒ	60	97	6	1500	Nb	10	-	10	*
Pembroke (St. Ann's H.)	1013.3	+2	SSW	5	zo	60	97	7	1500	St	10	-	10	*
Ross-on-Wye	1012.7	+2	WSW	4	o+	66	65	7	2500	StCu	8	ASt	10	*
Benson	1013.5	+3	WSW	4	c	70	65	9	-	Cu	3	Ci	7	*
S. Farnborough	1013.7	+2	WSW	3	c+	72	55	8	2500	Cu	4	Ci	7	*
London (Kew Obsy.)	1013.4	+1	WSW	3	bc	71	55	8	5750	Cu	1	Ci	4	*
Croydon	1013.5	+1	W'S	5	c+	72	45	8	4000	Cu	2	Ci.St	8	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1013.2	+4	SW	5	bc-	73	55	7	4000	Cu	4	-	4	*
Grain	1013.5	+2	WSW	6	bc	74	55	8	4000	Cu	3	Ci	4	*
Lympne	1014.3	+2	WSW	5	o	68	65	9	1500	St	8	ACu	9	*
Scilly (St. Mary's)	1012.6	+1	SE	3	o	62	92	8	4000	StCu	10	-	10	*
Falmouth	1014.1	+1	SW	5	o/r	66	92	8	1500	St	10	-	10	*
Plymouth	1014.7	+1	SW	3	o	62	94	7	225	Nb	10	-	10	*
Portland Bill	1016.0	+5	SW	6	o	64	85	6	450	St	10	-	10	*
Calshot	1015.1	+3	SW	3	o/r	65	88	8	4000	StCu	6	Ci.St	9	*
Dungeness	1014.4	+2	SW	5	bc/r	67	88	7	1500	Cu	5	-	5	*
Jersey	1017.1	0	SE	2	b	71	55	8	-	-	0	-	0	*

Observations at 1800 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	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1013.6	+6	N	5	bcps	45	85	8	·	Nb	8	·	8	3
Stornoway	1015.5	+5	NE	4	o	46	75	6	800	St	9	·	9	3
Wick	1014.3	+5	NNW	3	c/r	44	85	8	2500	CuNb	8	·	8	3
Castlebay														
Nairn	1014.4	*	ENE	3	c/r	48	92	8	1500	CuNb	8	-	8	*
Aberdeen	1014.4	+4	N'E	2	o	44	85	8	1500	St	10	-	10	3
Malin Head	1010.7	+6	NNW	2	o	53	97	8	800	St.	10	-	10	2
Renfrew	1012.6	+6	E	3	orr	50	94	4	~~1500~~ 400	Nb	10	-	10	*
Leith (Inchkeith)	1013.4	+7	ESE	4	orr₀	48	94	8	-	Nb	10	-	10	+
Eskdalemuir	1013.0	+6	NE	3	orr+	48	94	6	1500	Nb	10	-	10	*
Tynemouth	1011.9	+5	NE	4	oror	52	94	4	5750	Nb	10	-	10	+
Blacksod Point	1009.6	+2	N	1	o	57	85	8	450	St	9	-	9	o
Donaghadee	1010.7	+3	W	1	o	61	85	8	5750	StCu	9	-	9	:
Birr Castle	1010.1	*	SW	1	o	61	92	7	2500	Cu	9	-	9	*
Baldonnell	1011.3	+1	-	0	o	59	92	8	4000	St	3	a.St	10	*
Holyhead	1011.9	+2	SSW	3	or+	59	94	7	450	Nb	10	-	10	o
Liverpool (Bidston)	1012.5	+3	WSW	1	o/r	60	85	6	2500	Nb	6	ASt	9	1
Manchester (Alex.Pk.)	1012.3	+3	~~SW~~ SSW	2	o/r	60	85	5	4000	StCu	4	a.St	10	*
Howden	1011.8	+3	W'N	3	o	60	92	4	1500	St	7	ASt	10	*
Spurn Head	1011.7	+2	W	4	o/r	61	92	6	450	St	10	·	10	3
Nottingham	1013.1	*	W	2	o+	63	75	5	1500	Nb	7	Ci.St	10	*
Cranwell	1012.9	+2	W'S	4	o	63	85	7	7250	St	3	ASt	10	*
Gorleston	1013.3	+2	W	3	o+	65	75	7	-	-	-	ASt	10	1
Pulham	1013.5	+2	SW	2	o	64	85	6	-	-	-	ASt	10	*
Felixstowe	1015.2	+2	W'S	3	o+	66	65	8	-	-	-	ASt	10	3
Valencia (Cahirciveen)	1008.6	0	-	0	o	63	92	8	800	St	10	-	10	0
Roches Point	1010.9	0	SSE	3	od₀d	61	94	3	450	St	10	-	10	1
Pembroke (St. Ann's H.)	1012.9	0	SW	4	orr	60	94	4	800	Nb	10	-	10	5
Ross-on-Wye	1013.9	+1	SW	2	orr	62	92	5	1500	Nb	10	-	10	*
Benson	1014.7	+3	-	0	orr	62	94	6	-	Nb	10	-	10	*
S. Farnborough	1015.1	+1	SW	3	o+	66	75	8	2500	StCu	6	ASt	10	*
London (Kew Obsy.)	1015.3	+3	SW	2	o	64	75	8	4000	Nb	10	·	10	*
Croydon	1015.3	+2	SW	4	o	64	~~75~~ 75	7	1500	CuNb	7	Ci.St	10	*
Clacton-on-Sea	1014.7	+3	W	3	c+	64	65	8	4000	StCu	6	ASt	7	o
Shoeburyness	1015.0	+1	-	0	c	64	75	7	4000	StCu	3	ASt	8	*
Grain	1015.1	+2	-	0	o	65	75	8	-	-	-	A.Cu	9	o
Lympne	1016.3	+2	SW	3	o+	62	85	8	7250	StCu	8	ASt	10	*
Scilly (St. Mary's)	1013.0	0	S	3	bc-	61	94	8	4000	StCu	4	-	4	+
Falmouth	1014.4	+1	SSW	4	om	62	94	5	1500	St	9	a.St	10	*
Plymouth	1015.0	0	SSW	3	c-	62	92	7	800	CuNb	3	a.Cu	8	*
Portland Bill	1016.0	0	SW	1	o	63	85	8	-	-	-	ASt	10	1
Calshot	1015.9	+1	SW'W	2	o+	63	97	8	7250	StCu	9	ASt	10	o
Dungeness	1016.2	+2	SW	4	c	65	77	7	1500	Cu	7	-	7	5
Jersey	1016.1	0	ESE	2	c	68	65	8	4000	StCu	8	-	8	o

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. 4th								Yesterday.		To-day.
Kew (24 hours ended 0700)	o.c.bcy	c.o	ompop₀o	*	*	53	-	-	4.8	*	*
Croydon (24 hours ended 0700)	[illegible] bcy	bc.cyou	[illegible]	*	*	56	Tr	-	7.1	*	*
Greenwich (Royal Obsy.)	o.c.	o.c.	o.or₀o	75	59	53	-	0.3	6.2	51	75
City (Bunhill Row)	*	*	*	*	*	*			5.3	*	*
Westminster (St. James' Pk.)	*	*	*	75	60	54	-	-	5.4	61	81
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*				*	*
Camden Sq. (Brit. Rainfall)	c.	bc	*	73	59	56	-	1	*	54	84
Kensington Palace	c.o	c.o	*	74	64	56	-	-	*	75(18h)	84
Hampstead Observatory	*	*	*	71	54	52	1	-	5.4	*	83

Atmospheric Pollution. Lbs. of Solid impurity per million cubic yards.

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

South Kensington			
Max.	Time.	Min.	Time.
1/2	18h. 2nd	<1/2	0600h 3rd.
1/2	12h 3rd		
Kew Observatory			
Max.	Time.	Min.	Time.
0.4	18h. 2nd	<0.2	23-5h
0.4	11h 3rd		2nd+3rd

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 3rd 18 h. 30m. to 4th 05 h. 00m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	10.30	- -	-
δ Ursae Minoris	10.30	- -	-

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 4th + 5th October 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.0	11.42	5.23
	6.2	11.42	5.21
Greenwich	6.7	11.49	5.31
	6.9	11.49	5.29
Wick	6.26	12.1	5.36
	6.28	12.1	5.34
Valencia	6.47	12.30	6.12
	6.49	12.30	6.10

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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.	Metres per second.
0	Less than 1.	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.4
11	64-75	28.5-33.5
12	Above 75	33.6 or above

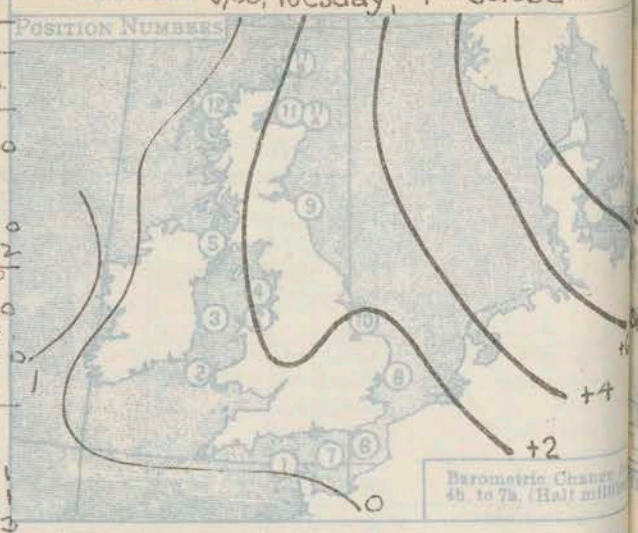
* Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 8.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 3RD	13h.-18h. 3RD	18h. 3RD to 1h. 4TH	1h.-7h. 4TH	TEMPERATURE. MAX. Day 7h.-18h.	MIN. Night 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm	Night. 18h.-7h. mm	Precipitation began.	Precipitation began.	SUN. Hours.
Lerwick	c	po	bor bc	bor bc	47	38	.	1	—	—	—	.
Stornoway	r or d	oo	c	c	49	42	.	1	—	—	—	1·0
Wick	oq po e	oo	c	c	48	39	.	0·4	0·2	1430	0230	.
Castlebay			cbcqp	opro	52	50	.		0·5			1·4
Nairn	op	oo	c		51	34	.	3	—	—	—	0·0
Aberdeen	bcmco	opo	po. bcm		57	40	36	.	0·1	—	0530	0·2
Malin Head	irif.	oo	oo	oo	57	52	.	1	—	<0800		0·0
Renfrew	omrm	omomr	omid	omo	61	46	45	8	0·6	—	<2100	0·0
Leith (Inchkeith) ...	r or d	r or d	oo		57	47	46	12	2	0900	0330	*
Eskdalemuir	oim b	oi r o m	or e o r e	oo	58	44	41	2	1	0900	<2100	0·0
Tynemouth	oim	r o i d m	poim	oo	63	50	.	1	1	1430	<2100	
Blacksod Point ...	p	c	c	r or d	61	56	.	0·2	0·4	1100	0530	.
Donsghadee	emp	em	emq	bcq	63	53	.	22·5	—	—	—	.
Birr Castle	[illegible]	cpr	c r o r	o r o r	63	55	53	0·2	7	1430	<2100	0·1
Baldonnell	c	o·oir	oo RR im	oomrr	65	57	54	Trace	9	<0800	2200	1·1
Holyhead	ir	or	r or d	r r im	63	57	57	1	12	1630	<2100	0·3
Liverpool (Bidston) ...	p	r or d	r or d		65	54	48	trace	13	1530	<2100	0·1
Manchester (Alex.Pk.)	omog	or r o m	or r m	or r m	64	54	52	4	14	1230	<2100	"
Howden	oo	oo	r or d	r or d	65	52	50	.	7	—	2400	0·3
Spurn Head	c	p	r or d	r or d	65	55	.	2	5	1530	2200	·8
Nottingham	c	oo	RR		68	57	56	.	25	—	<2100	2·0
Cranwell	c	oo	RR	rr	69	57	56	.	44	—	<2100	2·7
Gorleston	c	c	ir i r o	r or d	72	59	58	.	8	—	2200	3·0
Pulham	c	oo	r or d	r or d	70	59	57	.	10	—	<2100	3·0
Felixstowe	c	c		r or d	70	60	59	.	13	—	2200	3·4
Valencia (Cahirciveen)	odm	or	p	opm	63	62	60	3	6	—	<2100	0·0
Roches Point	p	d if	r or d		62	60	*	5	9	—	<2100	*
Pembroke (St. Ann's H.)	oo	rrm	oo	if	62	59	*	9	6	1430	<2100	2·6
Ross-on-Wye	cbcco	ogrr	ir	op	67	60	57	1	2	1630	<2100	2·3
Benson	c	r or d	r or d		70	58	53	1	3	1730	<2100	.
S. Farnborough ...	c	c	oo		73	58	~~52~~ 43	-	—	—	—	6·6
London (Kew Obsy) ...	ocbcy	co	omp	opoo	72	59	53	-	—	—	0630	4·8
Croydon	oqbcy	bccyo	oo i r r o p	oo i m	73	60	56	.	trace	—	<2100	7·1
Clacton-on-Sea ...	cbcc		c. opdr	og rm	72	61	59	-	4	—	2200	5·4
Shoeburyness	b or bc	b or bc	r or d		74	60	57	-	0·6	—	<2100	6·4
Grain	b or bc	c	oo		75	61	56	.	—	—	—	7·7
Lympne	coqr	ocbcq	o.c bcbcbcbc		70	59	52	trace	—	1100	—	6·6
Scilly (St. Mary's) ...	oo	c	b or bc	b or bc	64	58	.	-	0·3	—	—	3·4
Falmouth	pm	opcom	bcm	f	67	56	54	1	—	1230	—	1·1
Plymouth	r or d	bo	c	f	61	57	53	2	0·1	—	—	0·5 ~~0·3~~
Portland Bill	oo	oo	b or bc	b or bc	66	60	.	-	—	—	—	.
Calshot	r or d	oo	c	f or m	67	56	47	trace	—	—	—	6·8
Dungeness	p	c	ir	p	68	61	.	trace	0·2	1100	0130	.
Jersey	ob	bc	b or bc	bbbc	72	55	.	.	—	—	—	9·5

ISALLOBARS 0700, Tuesday, 4th October



Temperature reported from Cross Channel and Coastal Steamers.

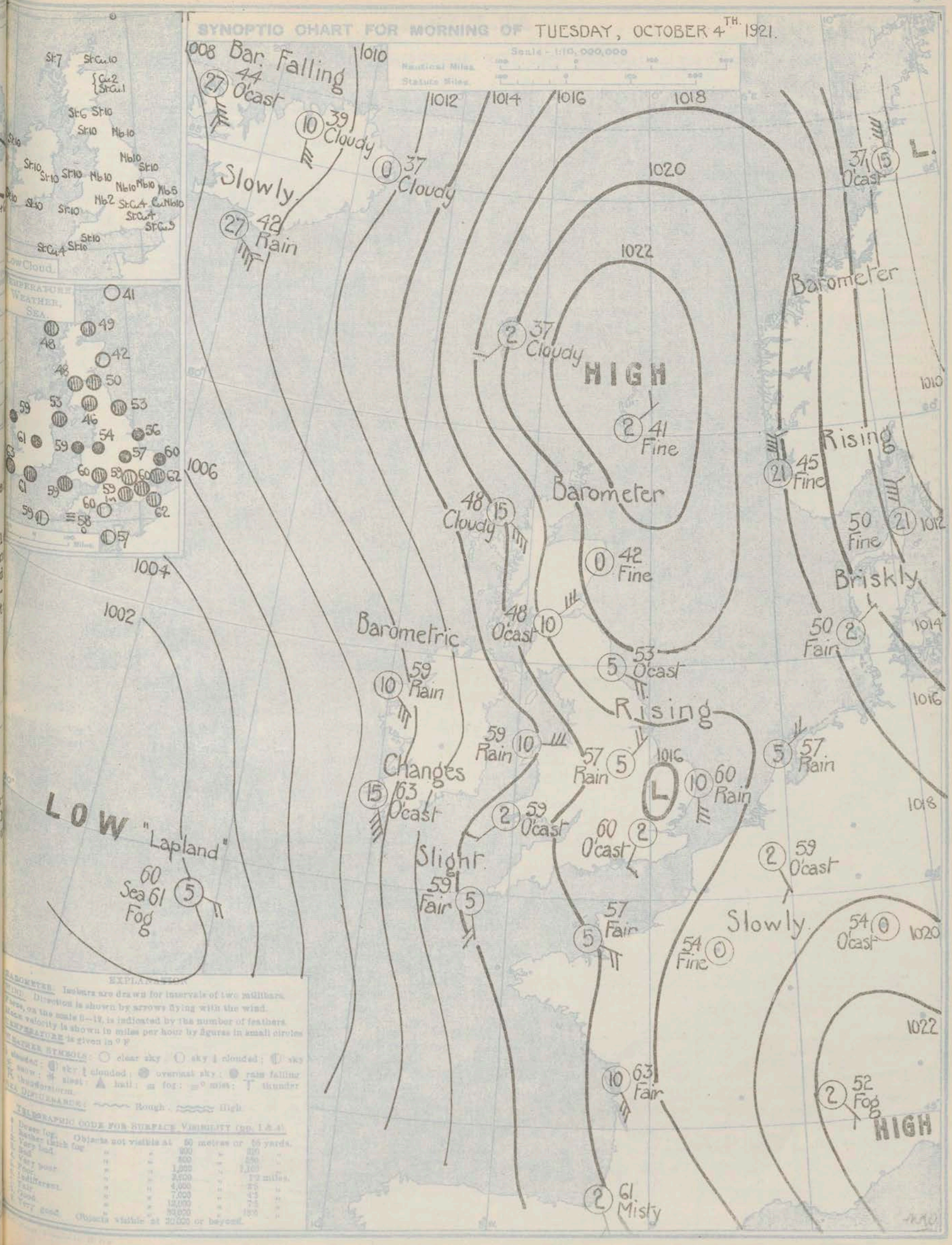
Position Number.	3	7
Date	3rd	4th
Time G.M.T.	1015	0220
Sea ° F.	59	63
Air ° F	61	64

GENERAL INFERENCE.

An anticyclone extends ove the East of Scotland and the North Sea from the Northward while a depression from the Atl tic extends to the Irish Sea an another is advancing on Iceland Some rain or showers may be ex pected in the Southern distric and mainly fair weather in the North.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday 4th October 1921.	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 light to moderate from some Easterly point; much cloud some rain or showers in most localities, fairer later. Visibility mainly fair; temperature becoming lower in the South and South East of England later.	Generally un settled, with t wind between So and South East.
11. E. Scotland 12. S.W. Scotland	Wind South Easterly, moderate; fair generally; visibility fair; cool.	
13. Isle of Man	Same as 1 to 10.	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind South East or South, light to fresh; fair today, unsettled and probably becoming rainy tomorrow; visibility fair; cool.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind South or South East, moderate; much cloud, occasional rain; visibility fair; temperature falling somewhat.	

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


SYNOPTIC CHART FOR MORNING OF TUESDAY, OCTOBER 4TH. 1921.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
Bar. Falling
Slowly
Barometric
Changes
Slight
Rising
Briskly
Slowly
Barometer
HIGH
LOW "Lapland"
HIGH
L
1008
1010
1012
1014
1016
1018
1020
1022
1006
1004
1002
27 44 O'cast
10 39 Cloudy
0 37 Cloudy
27 42 Rain
2 37 Cloudy
2 41 Fine
0 42 Fine
48 Cloudy 15
48 O'cast 10
53 O'cast 5
59 Rain 10
59 Rain 10
57 Rain 5
60 Rain 10
57 Rain 5
63 O'cast 15
59 O'cast 2
60 O'cast 2
59 Fair 5
57 Fair 5
54 Fine 0
59 O'cast 2
63 Fair 10
61 Misty 2
60 Sea 61 Fog 5
37 O'cast 15
45 Fine 21
50 Fine 21
50 Fair 2
54 O'cast 0
52 Fog 2
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 clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Rather thick fog " " 200 " " 220 "
2 Very bad " " 500 " " 550 "
3 Bad " " 1,000 " " 1,100 "
4 Poor " " 2,000 " " 1½ miles.
5 Indifferent " " 4,000 " " 2½ "
6 Fair " " 7,000 " " 4½ "
7 Good " " 12,000 " " 7½ "
8 Very good " " 30,000 " " 18½ "
9 Objects visible at 30,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. TUESDAY, 4TH OCTOBER 1921. No. 277.

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	1019.1	+5	NE	2	b	43	85	7	-	-	0	-	0	*
Stornoway	1018.5	+2	NE	4	c-	*	*	6	*	*	*	*	*	*
Wick	1018.6	+2	NW	1	bc	44	92	9	4000	CuMB	6	-	6	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1012.6	+1	SE	1	0	53	97	8	1500	St	10	-	10	*
Renfrew	1016.9	+2	NE	3	od	47	85	7	2500	StCu	10	-	10	*
Leith (Inchkeith) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1017.2	+2	NE	4	or	45	97	6	1500	MB	10	-	10	*
Tynemouth	1017.1	+2	NE	3	o	51	92	7	4000	SV	10	-	10	*
Blacksod Point ...	1010.6	0	N	2	bc-	57	92	7	5750	Cu	4	-	4	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1012.1	0	ENE	1	oRR	58	97	6	800	SV	10	-	10	*
Holyhead	1012.9	0	E	4	oRR	*	*	7	450	MB	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex. Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1015.2	+2	ENE	4	or	54	97	4	1500	MB	10	-	10	*
Spurn Head	1014.6	+1	NE	3	or	57	92	6	2500	SV	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1015.5	0	SE'E	1	or	59	97	7	800	MB	10	-	10	*
Gorleston	1016.7	+1	W	2	or	60	97	7	2500	MB	10	-	10	*
Pulham	1015.5	+2	S'W	1	or	60	97	6	2500	MB	10	-	10	*
Felixstowe														*
Valencia (Cahirciveen)	1008.1	0	ESE	2	?opr	62	97	?	-	MB	9	-	9	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1013.9	0	SW	4	o	60	97	8	800	MB	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1016.6	0	SSW	3	o/r	61	97	8	-	-	0	o.SW o.SV	9	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1017.4	0	SSW	2	b-	60	92	8	-	-	0	c.SV	3	*
Scilly (St. Mary's) ...	1014.0	0	S	2	bc	59	97	7	4000	StCu	4	-	4	*
Falmouth	*	*	NE	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1015.6	0	~~ES~~	2	o	58	97	8	-	SV	10	-	10	*
Portland Bill	1016.7	0	SW	2	b	59	85	8	-	-	0	-	0	*
Calshot	1016.8	0	ESE	2	b-	62	92	8	4000	StCu	1	-	1	*
Dungeness	1017.1	0	W	2	bc-	63	92	9	-	CuMB	6	-	6	*
Jersey 7h } Guernsey 1h } ...	1017.0	0	SSW	2	bv	63	85	9	-	-	0	-	0	*

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	1022.4	+3	NE	1	b	41	85	8	-	-	0	-	0	*
Stornoway	1016.0	0	SE	4	c	48	75	7	800	SV	7	-	7	*
Wick	1018.8	+2	ESE	4	o/r	49	85	9	5750	StCu	10	-	10	*
Castlebay	1015.2	0	ESE	4	280	453	85	8	5750	St	10	-	10	*
Nairn	1018.6	*	~	0	c	45	85	8	1500	SV	8	-	8	*
Aberdeen	1021.3	+2	-	0	b-	42	92	5	2500	Cu	3	-	3	*
Malin Head	1013.0	0	ESE	3	0	53	97	8	4000	StCu	9	-	9	*
Renfrew	1018.6	+3	NE	3	o	48	85	8	5750	SV	6	a.SV	~~9~~ 10	*
Leith (Inchkeith) ...	1019.0	+2	SE	4	ov	50	75	9	-	SV	10	-	10	*
Eskdalemuir	1019.2	+2	ENE	3	o	46	92	8	800	SV	10	-	10	*
Tynemouth	1019.3	+2	ESE	2	o	53	85	8	5750	MB	10	-	10	*
Blacksod Point ...	1008.7	-1	SE	3	or	54	92	7	450	SV	10	-	10	*
Donaghadee	1014.8	+2	E	5	o+	53	92	8	-	-	0	a.SV	10	*
Birr Castle	1011.0	*	SE	1	or	61	97	6	450	SV	10	-	10	*
Baldonnell	1012.7	+1	E	1	o	57	97	4	225	SV	10	-	10	*
Holyhead	1013.8	+1	E	3	or	59	97	6	450	SV	10	-	10	*
Liverpool (Bidston) ...	1014.9	+2	E	4	or	54	92	5	800	MB	10	-	10	*
Manchester (Alex. Pk.)	1016.4	+4	E	3	od	55	92	5	1500	SV	10	-	10	*
Howden	1017.5	+3	ENE	3	or	52	97	4	1500	MB	10	-	10	*
Spurn Head	1017.7	+2	NE	4	od	56	92	6	2500	SV	10	-	10	*
Nottingham	1016.4	*	NE	2	oRR	57	97	5	2500	MB	10	-	10	*
Cranwell	1016.5	+2	NE'E	3	or	57	97	6	225	MB	10	-	10	*
Gorleston	1016.2	0	S	3	or-	60	97	5	-	MB	5	c.SV	10	*
Pulham	1016.1	0	SW'S	2	or	61	97	6	2500	MB	10	-	10	*
Felixstowe	1017.2	0	SW	2	o/r	61	97	7	5750	StCu	5	a.SV	10	*
Valencia (Cahirciveen)	1009.6	+1	S'E	4	o	63	92	6	450	SV	10	-	10	*
Roches Point	1012.4	+1	SSW	3	o/r	61	97	5	800	SV	10	-	10	*
Pembroke (St. Ann's H.)	1014.2	+1	SW	1	o/f	59	97	8	1500	SV	10	-	10	*
Ross-on-Wye	1015.7	+2	SW'W	1	o/r	60	92	6	4000	MB	2	a.SV	10	*
Benson	1016.8	+2	-	0	c	59	92	8	-	StCu	4	c.Cu	8	*
S. Farnborough ...	1017.0	+1	-	0	mmo	59	97	5	-	-	0	a.Cu	9	*
London (Kew Obsy.) ...	1017.4	+2	SSW	1	o-	60	92	6	4000	StCu	4	a.Cu	9	*
Croydon	1017.5	+3	S	2	o	60	97	6	4000	StCu	2	a.Cu	10	*
Clacton-on-Sea ...	1016.8	0	SW	1	o/r	62	92	6	2500	CuMB	10	-	10	*
Shoeburyness	1017.2	0	W	1	c/r	62	92	4	2500	Cu	8	-	8	*
Grain	1017.3	+1	-	0	o	62	92	6	-	-	0	a.SV	9	*
Lympne	1017.7	+1	SSW	1	o+	61	92	8	5750	StCu	9	-	9	*
Scilly (St. Mary's) ...	1014.2	0	S'E	2	bc	59	97	8	4000	StCu	4	c.	6	*
Falmouth	1015.7	+2	SW	1	ffo	58	97	2	450	SV	10	-	10	*
Plymouth	1016.2	+1	-	0	od	59	97	3	2150	SV	10	-	10	*
Portland Bill	1016.7	0	W	1	b+	60	85	8	-	-	0	c.SV	2	*
Calshot	1017.3	+1	-	0	mc+	58	97	5	-	-	0	c.	8	*
Dungeness	1017.5	0	SW	2	c	62	92	8	-	-	0	a.Cu	7	*
Jersey 7h } Guernsey 1h } ...	1015.6	0	ESE	2	bc	57	85	8	-	-	0	c.Cu	4	*

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

Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 2nd-3rd mm.	Rainfall.† Day 9h.-17h. 3rd mm.	Sunshine. Sunrise to 17h. 3rd hr.	Sunshine. Sunrise to Sunset. 2nd hr.
Banff	do.	bc	50	48	4	0.3	0.0	0.2
Montrose	o	or	56	47	0.2	1	0.0	2.0
Llandudno	o	o	63	57	5	-	0.0	0.0
Colwyn Bay ...	obec	bebec	64	57	4	-	0.9	0.4
Rhyl	cbecp	bc	67	52	5	1	1.0	0.1
Southport	oco	oco	62	57	4	-	0.1	0.6
Blackpool	ob	or	61	57	1	1	0.0	0.1
Harrogate	oc	cpo	62	51	4	0.1	0.6	0.0
Skegness	o	o	71	58	-	-	2.6	0.8
Aberystwyth ...	roc	orr	65	59	3	1	0.0	0.5
Bath	ocbc	becor	70	61	-	2	2.1	3.0
Leamington Spa ...	cb	cbo	68	45	-	-	1.2	1.3
Lowestoft	ocbe	beco	71	59	-	-	3.4	3.9
Felixstowe	o	c	71	60	-	-	3.4	3.5
Southend	cbc	bec	75	61	-	-	6.5	3.7
Paignton	opcbc	obtre	68	60	1	trace	2.3	2.1
Ilfracombe	bbecor	or*	68	61	2	3	3.3	1.2
Bude	becor	ropc	67	60	4	0.1	0.7	0.7
Penzance	bc.e	oc	68	60	3	-	0.9	0.5
Torquay	rebed	bec	68	61	0.3	trace	3.2	1.8
Weymouth	oc	cw	68	61	0.2	-	0.9	2.4
Bournemouth ...	bc	beo	69	60	-	-	4.6	3.0
Portsmouth (S'thea)	bc	bc	70	62	1	-	6.6	4.8
Worthing	oc	bc	67	61	-	-	4.8	0.0
Brighton	oc	obeco	69	63	-	-	2.8	5.0
Eastbourne	c	bec	69	62	-	-	4.2	5.2
Hastings	ope	cbbc	68	61	-	trace	3.6	6.2
Folkestone	bc	bc	68	60	-	-	5.7	5.6
Tunbridge Wells ...	b.be	b.bo	72	60	-	-	6.3	3.9
Ramsgate	b	bc	72	60	-	-	7.5	4.2
Margate	b	bec	73	61	-	-	7.5	3.4
Deal	b	bcb	72	60	-	-	8.6	5.0

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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 21867 Wednesday 5th October 1921.

Observations at 1300 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	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1024.1	+2	SSE	2	bc+	47	75	8	–	–	–	Ci.Cu	6	*
Stornoway	1016.3	0	SE	3	o+	55	75	7	800	St.	9	–	9	*
Wick	1019.6	0	ESE	5	o	51	85	8	5750	St.Cu	10	–	10	*
Castlebay	1015.0	0	E	4	o	55	85	8	7250	St	10	–	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1022.0	0	SE'S	4	o+	52	75	8	1500	St.	10	–	10	*
Malin Head	1012.4	-1	ESE	4	pr0	56	97	7	4000	Nb	10	–	10	*
Renfrew	1018.6	-1	NE	3	o	55	75	7	1500	St.Cu	10	.	10	*
Inchkeith	1019.8	-1	SE	4	ov	54	75	9	-	St.Cu	4	Ci.St	10	*
Eskdalemuir	1019.6	0	E	2	o	51	85	8	800	St.Cu	10	–	10	*
Tynemouth	1020.7	+1	SE	3	o	55	85	8	–	–	.	A.St	10	*
Blacksod Point	1008.9	0	SE	3	o/r	64	85	7	450	St.	10	–	10	*
Donaghadee	1015.8	0	E	5	o	56	92	8	2500	St.	10	–	10	*
Birr Castle	1012.0	*	SE	2	c-	67	92	8	4000	St.Cu	5	A.Cu	8	*
Baldonnell	1014.1	+1	SSW	4	o	66	85	8	1500	St.Cu	10	–	10	*
Holyhead	1015.6	+1	S	4	o/r	62	97	7	450	St.	10	–	10	*
Liverpool (Bidston)	1017.3	+1	E'S	3	r0r0	57	97	3	800	Nb	10	–	10	*
Manchester (Alex.Pk.)	1018.4	+1	SE	4	o/r	60	85	5	800	Nb	2	A.St	10	*
Howden	1020.0	+1	E	3	o	56	92	7	1500	St.Cu	10	–	10	*
Spurn Head	1019.5	+2	E	6	o	57	92	7	450	St.	10	–	10	*
Nottingham	1019.1	*	E	2	o	60	92	6	4000	Nb	10	–	10	*
Cranwell	1019.2	+1	ENE	3	o	58	97	6	450	St.	10	–	10	*
Gorleston	1018.5	+3	E'N	4	o/r	61	97	6	5750	Nb	10	–	10	*
Pulham	1018.6	+2	–	0	o/r	65	92	6	1500	St.	10	–	10	*
Felixstowe	1018.8	+1	SE	2	c-	69	75	8	5750	St.Cu	4	Ci.Cu	8	*
Valencia (Cahirciveen)	1010.3	0	S'E	5	bc-	68	75	9	4000	St.Cu	2	A.Cu	5	*
Roches Point	1014.7	+1	SSE	4	c-	64	85	8	–	–	–	Ci.Cu	7	*
Pembroke (St. Ann's H.)	1018.7	0	SE	3	bc	63	92	8	–	–	–	A.Cu	4	*
Ross-on-Wye	1017.2	+1	SW'W	2	c	72	75	6	4000	St.Cu	4	A.Cu	8	*
Benson	1017.3	0	–	0	bc	74	65	9	–	Cu	3	Ci	2	*
S. Farnborough	1017.7	0	WSW	1	b	79	45	8	5750	Cu	2	Ci	3	*
London (Kew Obsy.)	1017.8	0	SW	1	b	74	55	8	5750	Cu	1	Ci	2	*
Croydon	1017.6	0	W	1	bc-	79	45	9	4000	Cu	2	Ci	4	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1018.1	+1	S	1	b/f	77	55	7	5750	St.Cu	1	Ci.St	2	*
Grain	1017.9	+1	–	0	bc	78	45	8	4000	Cu	3	Ci	4	*
Lympne	1018.6	-2	S'E	2	bc	73	55	8	4000	Cu	1	A.St	6	*
Scilly (St. Mary's)	1015.5	0	ESE	4	b	64	85	8	–	–	–	Ci	3	*
Falmouth	1017.2	+1	ESE	3	ffo	61	97	2	450	St.	10	–	10	*
Plymouth	1017.0	0	S	2	b	64	85	8	–	–	–	Ci	1	*
Portland Bill	1017.1	+1	E	2	b-	65	75	7	–	–	–	–	0	*
Calshot	1017.9	0	SE	3	b-	69	75	8	–	–	–	Ci	1	*
Dungeness	1018.2	0	SW	1	bc-	69	75	8	5750	Cu	4	Ci.Cu	6	*
Jersey	1016.5	0	E	1	b	75	55	8	–	–	–	–	0	*

Observations at 1800 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	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1020.8	-2	S	4	bc+	47	75	8	–	St.Cu	6	–	6	3
Stornoway	1013.7	-3	E	2	o+	55	85	6	450	St.	10	–	10	1
Wick	1017.8	-3	S	6	o	50	97	8	5750	St.Cu	6	A.St	10	4
Castlebay	1013.1	-1	E	5	orr	54	92	5	450	Nb	10	–	10	6
Nairn	1018.3	*	S	1	c+	54	75	8	4000	Cu.Nb	7	–	7	*
Aberdeen	1020.8	-1	SE'S	4	o	52	85	7	1500	St.	10	–	10	4
Malin Head	1011.2	0	SE	3	c/r	60	97	8	2500	St.Cu	6	A.Cu	8	3
Renfrew	1017.6	0	NE	3	do+	53	92	4	800	St.	10	–	10	*
Inchkeith	1018.7	-2	ESE	3	o	54	85	9	–	St.Cu	10	–	10	2
Eskdalemuir	1019.2	0	–	0	orr	51	97	6	1500	Nb	10	–	10	*
Tynemouth	1020.5	0	S	3	opr0	54	92	7	5750	Nb	10	–	10	3
Blacksod Point	1008.6	0	S	4	bc-	67	85	7	–	St.Cu	5	Ci.Cu	6	4
Donaghadee	1015.4	-1	SW	2	om-	58	97	4	2500	St.	10	–	10	2
Birr Castle	1011.9	*	SE	2	c-	66	75	8	4000	St.Cu	3	Ci.Cu	7	*
Baldonnell	1014.6	+1	SSE	1	c-	63	85	8	2500	Cu	1	Ci.St	8	*
Holyhead	1016.1	0	SE	2	c-	63	92	8	5750	St.Cu	5	A.St	8	0
Liverpool (Bidston)	1017.2	0	SE	3	o/r	59	97	3	1500	St.	7	A.St	10	3
Manchester (Alex.Pk.)	1018.5	0	SE	3	o/r	59	85	5	2500	St.	6	A.Cu	10	*
Howden	1020.0	0	ESE	4	o	54	85	7	800	St.	10	–	10	*
Spurn Head	1019.7	0	SE	5	o	57	92	7	1500	St.	2	A.St	10	4
Nottingham	1019.3	*	E	2	o	60	92	4	–	–	.	A.St	10	*
Cranwell	1019.5	0	E	3	o	59	97	6	450	St.	10	–	10	*
Gorleston	1019.0	+1	ESE	3	o	60	97	6	5750	Nb	10	–	10	1
Pulham	1019.5	+1	ENE	1	o	63	92	5	1500	St.Cu	10	–	10	*
Felixstowe	1019.7	+2	E	2	b-	62	92	7	–	–	–	Ci.Cu	3	*
Valencia (Cahirciveen)	1009.9	0	SSE	5	c+	64	85	8	1500	St.Cu	5	A.Cu	7	3
Roches Point	1014.2	-1	SSE	2	c	61	92	7	–	–	–	A.Cu	7	1
Pembroke (St. Ann's H.)	1016.3	-1	SE	3	c	63	85	8	–	–	–	Ci.St	8	4
Ross-on-Wye	1017.2	0	–	0	b-	65	85	8	–	–	–	Ci	2	*
Benson	1017.8	+1	–	0	b	65	85	9	–	–	–	Ci	2	*
S. Farnborough	1018.1	+2	–	0	bm	64	85	7	–	–	–	–	0	*
London (Kew Obsy.)	1018.0	+1	–	0	b	69	75	6	–	–	–	A.Cu	2	*
Croydon	1018.1	+2	SW	1	b	66	65	7	–	–	–	Ci	3	*
Clacton-on-Sea	1019.1	+2	ENE	2	c+	64	92	7	–	–	–	A.Cu	7	0
Shoeburyness	1018.6	0	NE	1	b	63	85	7	4000	Cu	2	–	2	*
Grain	1018.6	+2	NE	3	b	63	85	7	–	–	.	A.Cu	1	?
Lympne	1019.1	+2	ESE	1	b	61	75	8	–	–	–	Ci.St	2	*
Scilly (St. Mary's)	1014.3	0	E'S	3	c+	59	97	8	4000	St.Cu	4	Ci	7	4
Falmouth	1015.7	-2	ESE	1	b-	60	92	7	–	–	–	A.St	2	*
Plymouth	1016.1	0	E	2	c	64	85	9	–	–	–	Ci.St	7	*
Portland Bill	1017.1	0	E	2	b	64	75	7	–	–	–	–	0	0
Calshot	1017.6	0	E'S	2	c+	64	85	8	–	–	–	A.St	7	0
Dungeness	1018.2	0	SSE	1	bc-	64	85	8	–	–	–	A.Cu	5	2
Jersey	1018.0	0	E	1	b	75	55	8	–	–	–	–	0	0

LONDON OBSERVATIONS. (Weather, Temperature, Rainfall: 24 Hours ended 0900 G.M.T. 5th)

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. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew (24 hours ended 0700)	obcbq	bq.b	b.b.bf.m	*	*	52	–	–	8.4	*	*
Croydon (24 hours ended 0700)	ombcq	bcbqz	bm.bm	*	*	45	–	–	8.7	*	*
Greenwich (Royal Obsy.)	bbm	b.	b	81	58	47	–	-	8.7	46	79
City (Bunhill Row)	*	*	*	*	*	*	*	*		*	*
Westminster (St. James' Pk.)	*	*	*	79	60	56	–	–		52	83
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	8/4	*	*
Camden Sq. (Brit. Rainfall)	bc.	b.	*	79	57	53	-	–	*	49	84
Kensington Palace	b.bc	b	*	79	59	55	–	–	*	63 (18h)	88
Hampstead Observatory	*	*	*	78	57	52	–	–		*	96

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards. 24 Hr. ended 1800 G.M.T. 4th

	Max.	Time.	Min.	Time.
South Kensington	0.5	18h. 3rd	<0.5	0h-3h 4th
	1	8h. 4th		
Kew Observatory	0.4	9h. 4th	<0.2	22h. 3rd
	0.2	19h. 3rd		3h. 4th

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.
South Kensington.
Total .... joules
Average Rate .... Milliwatts.
Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 4th 18 h. 30 m. to 5th 05 h. 00 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	10 30	7 58	76
δ Ursae Minoris	10 30	7 15	69

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

5th and 6th October 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.2 / 6.4	11.42 / 11.41	5.21 / 5.18
Greenwich	6.9 / 6.10	11.49 / 11.48	5.29 / 5.26
Wick	6.28 / 6.30	12.1 / 12.0	5.34 / 5.31
Valencia	6.49 / 6.51	12.30 / 12.29	6.10 / 6.7

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, *i.e.*, rain and snow together.
s snow. 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:—bo/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, 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.

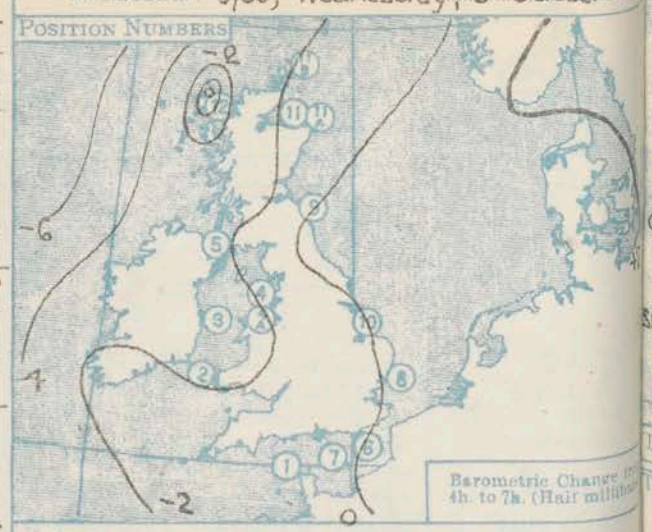
Beaufort No.	Statute miles per hour.	Metres per second.
0	Less than 1.	Less than 0·3
1	1–3	0·3–1·5
2	4–7	1·6–3·3
3	8–12	3·4–5·4
4	13–18	5·5–7·9
5	19–24	8·0–10·7
6	25–31	10·8–13·8
7	32–38	13·9–17·1
8	39–46	17·2–20·7
9	47–54	20·8–24·4
10	55–63	24·5–28·4
11	64–75	28·5–33·5
12	Above 75	33·6 or above

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

SUMMARIES FOR THE PAST 24 HOURS

STATIONS.	WEATHER. 7h.-13h. 4th	13h.-18h. 4th	18h. 4th to 6th 1h.	1h.-7h. 5th	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	bcbc	bcbc	oo	Tord	48	45	•	–	1	–	0430	•
Stornoway	c	o.o	p	Tord	57	53	•	–	3	–	<2100	0.4
Wick	o.o	o.o	or. T.	oo	52	50	•	–	3	–	2400	•
Castlebay	oo	orr	rrdo	odo	55	53	•	2	1			0.0
Nairn	–	bcbc	p		58	45	•	–	1	–	2200	6.6
Aberdeen	bcm.c.o	o.o	orrim		53	52	50	–	2	–	2200	0.7
Malin Head	oqp	ir	c	bcbc	60	59	•	2	–			0.0
Renfrew	o.o	mmdd	odT.T.orr	oimom	55	52	48	0.1	2	14.30	<2100	0.0
Inchkeith	o.o	o.o	form		54	52	48	–	3	–	0330	•
Eskdalemuir	o.o	oir.rr	orroz.	rord	52	51	50	3	3	12.30	<2100	0.0
Tynemouth	o.o	imop	ooim		56	53	•	trace	1	17.30	<2100	•
Blacksod Point	ror.	rord	bor bc	p	57 ~~65~~	59	•	5	0.2	<0800	0430	•
Donaghadee	qqp	omd.f	omf	of	58	57	•	0.6	0.3	14.30	<2100	•
Birr Castle	o.c	c	oz	c.o	69	59	53	1	–	<0800	–	2.1
Baldonnell	oopr	o.o	bor bc	bor bc	69	60	53	3	–	9.0	–	0.2
Holyhead	rrmo	o.p.o.c	c. b	bbbc	64	56	48	8	–	13.30	–	0.2
Liverpool (Bidston)	rord	rord	form		66	54	53	4	4	<0800	<2100	0.0
Manchester (Alex. Pk.)	oddp.m	op.dom	om c	bwm	61	55	49	2	trace	13.30	0130	•
Howden	p	p	oo	form	58	57	55	0.2	0.1	9.0	2200	0.0
Spurn Head	o.o	o.o	oo	form	59	57	•	1	0.2	<0800	<2100	•
Nottingham	rord	o.o	oo		61	57	55	2	–	<0800	–	0.0
Cranwell	rdim	oim	f.	form	59	57	57	1	0.2	<0800	–	0.0
Gorleston	oir.	o.o	ord	owfe	63	58	58	3	trace	9.0	2200	0.0
Pulham	rord	o.o	oo	form	70	57	54	trace	–	<0800	–	2.9
Felixstowe	c	bcbc	b.bc	form	71	59	59	–	–	–	–	5.0
Valencia (Cahirciveen)	oc.bc	bc.c	bc	op.bc	69	63	59	–	0.2	–	0330	5.0
Roches Point	o.o	c	oo		65	59	•	–	0.3	–	–	•
Pembroke (St. Ann's H.)	c	c	bor bc	borbc	65	60	•	–	–	–	–	4.9
Ross-on-Wye	abbec	bc.b	bmw	bmWFF	74	52	52	–	trace	–	–	6.8
Benson	borbc	borbc	bor bc		76	58	50	–	–	–	–	•
S. Farnborough	c	borbc	for m		81	~~56~~ 53	44	–	trace	–	–	9.2
London (Kew Obsy.)	abc.bq	bq.b	b	b.bf.bmd	77	58	52	–	–	–	–	8.4
Croydon	ambccq	bcbqiz	bmwim	bwimm	80	52	45	–	–	–	–	8.7
Clacton-on-Sea	og	bcz	c.bzf	f	69	59		–	–	–	–	7.1
Shoeburyness	borbc	borbc	for m		78	56	48	–	0.2	–	0430	7.8
Grain	borbc	borbc	bor bc		78	59	52	–	–	–	–	7.2
Lympne	borbc	bc	bor bc	bor bc	73	60	49	–	–	–	–	8.6
Scilly (St. Mary's)	borbc	borbc	bor bc	F	66	56	•	–	–	–	–	9.2
Falmouth	3f.	3f. bcm	by	bcm	63	60	54	–	–	–	–	0.7
Plymouth	form	c.	bor bc	bor bc	73	60	58	trace	–	<0800	–	6.3
Portland Bill	borbc	borbc	bor bc	bor bc	68	59	•	–	–	–	–	•
Calshot	form	borbc	form	boibc	69	58	52	–	–	–	–	9.4
Dungeness	c	c	bor bc	bor bc	70	62	•	–	–	–	–	•
Jersey	b	b	bor bc	bw	77	64	•	–	–	–	–	9.3

ISALLOBARS. 0700, Wednesday, 5th October 1921.



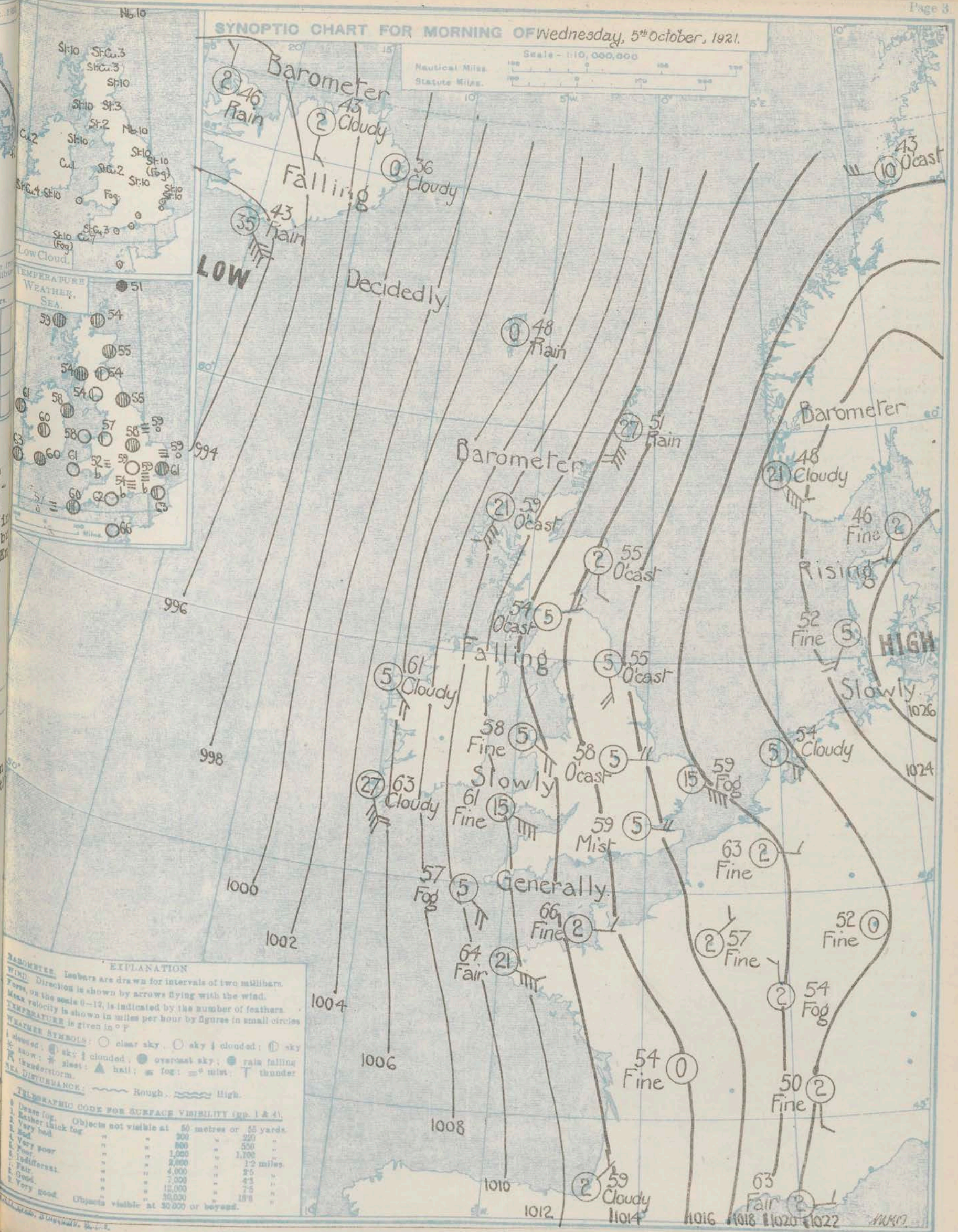
Temperature reported from Cross Channel and Coastal Steamers.

Position Number	3	1	7	6
Date	4th	4th	5th	5th
Time G.M.T.	1000	1220	0155	0253
Sea °F.	58	62	63	62
Air °F.	59	65	66	64

GENERAL INFERENCE.

A large depression on the Atlantic is spreading over Iceland and our Western districts and is likely to cause some rain in its neighbourhood shortly, but in the East and South East of England the weather will probably remain fair for the present.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday October 5th 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind between East and South East or South, light to moderate; fair to cloudy, finally overcast; visibility fair; temperature high.	Unsettled with some rain in the West and North; probably fair in the South East.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind Southerly, light to moderate or fresh; cloudy or overcast, some rain or showers; visibility mainly fair, but fog at times on South West Coast; temperature rather high.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind Southerly to South Westerly, moderate to fresh or strong; much cloud, rain at times; visibility fair; temperature rather high.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind South to South West or West, moderate to strong; much cloud, occasional rain; visibility mainly fair, but local mist; temperature rather high, then falling.	


SYNOPTIC CHART FOR MORNING OF Wednesday, 5th October, 1921.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
Low Cloud.
Temperature
Weather.
Sea.
LOW
HIGH
Barometer
Falling
Decidedly
Barometer
Falling
Slowly
Generally
Barometer
Rising
Slowly
994
996
998
1000
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
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.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Rather thick fog " " 200 " 220 "
2 Very bad " " 500 " 550 "
3 Bad " " 1,000 " 1,100 "
4 Very poor " " 2,000 " 1·2 miles
5 Poor " " 4,000 " 2·5 "
6 Indifferent " " 7,000 " 4·3 "
7 Fair " " 12,000 " 7·5 "
8 Good " " 20,000 " 12·5 "
9 Very good. Objects visible at 20,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Wednesday, 5th October 1921. No. 278

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	1017·0	-2	SSW	6	0	50	85	7	-	-	0	a SV	10	*
Stornoway	1012·9	-3	S	2	0/r	*	*	5	*	*	*	*	*	*
Wick	1013·6	-2	S	6	0cr	50	97	7	800	SY	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1011·0	0	SSE	2	bc-	60	97	8	-	-	0	acu	3	*
Renfrew	1017·1	-1	ME	1	0/r	53	97	6	1500	SY	10	-	10	*
Lochgelly	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1018·4	0	-	0	0/r	54	97	7	1500	SY	10	-	10	*
Tynemouth	1019·3	-1	S	1	0	55	97	7	5750	MB	10	-	10	*
Blacksod Point ...	1007·4	-2	S	3	b+	61	85	8	5750	SYCu	3	-	3	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1013·1	-3	SSE	5	b	63	85	8	-	-	0	a SY	1	*
Holyhead	1015·2	-1	SE	2	b	*	*	8	-	-	0	-	0	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1019·6	-1	SE	2	mo	57	97	3	1500	SY	10	-	10	*
Spurn Head	1020·5	0	SE	3	fo+	59	92	3	4150	SY	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cromwell	1019·7	0	SE	3	fo	59	97	3	450	SY	10	-	10	*
Gorleston	1020·0	0	SE'E	4	od	60	97	5	-	-	0	a SY	10	*
Pulham	1019·6	0	ESE	2	0	61	97	6	2500	SYCu	10	-	10	*
Felixstowe														*
Valencia (Cahirciveen)	1006·8	-4	SE	5	b	62	92	6	-	-	0	-	0	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1014·4	-2	ESE	3	b	62	92	8	-	-	0	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1018·4	0	ENE	1	b+	55	97	6	-	-	0	Ci	1	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1018·5	-1	SE	3	b	62	85	8	-	-	0	Ci·SY	1	*
Scilly (St. Mary's) ...	1013·0	-2	ESE	3	b	58	97	8	-	-	0	-	0	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1014·4	-2	E	3	b	63	85	9	-	-	0	-	0	*
Portland Bill	1017·1	0	E	?	b	60	85	8	-	-	0	-	0	*
Calshot	1016·9	-2	E	3	b/f	63	85	8	-	-	0	-	0	*
Dungeness	1018·2	0	E	2	bc	64	85	8	5750	Cu	5	-	5	*
Jersey 7h } Guernsey 1h } ...	1015·6	0	ESE	2	b	65	85	8	-	-	0	-	0	*

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	1014·6	-2	SSW	6	oR-	51	97	4	1500	MB	10	-	10	5
Stornoway	1010·0	0	S'W	5	o/r	59	85	6	800	SY	10	-	10	1
Wick	1012·2	-2	SSW	4	bc-	54	97	8	5750	SYCu	3	Ci	6	4
Castlebay	1009·9	-1	SE	5	odo	57	97	5	800	MB	10	-	10	5
Nairn	1013·1	"	-	0	bo/r	52	97	8	5750	SYCu	3	Ci·Cu	6	*
Aberdeen	1016·2	-1	S'E	1	o/r	55	92	6	1500	SY	10	-	10	1
Malin Head	1007·0	-4	SSE	4	bc-	60	97	8	-	-	0	acu	3	*
Renfrew	1015·5	-1	EME	2	o	54	97	5	2500	SY	10	-	10	2
Lochgelly	1016·2	-2	SE	3	mbc	54	97	6	-	SY	3	Ci·SY	4	2
Eskdalemuir	1016·3	-2	W	1	b/r	54	97	6	1500	SY	2	-	2	*
Tynemouth	1017·7	+1	SSE	2	o	55	97	6	5750	MB	10	-	10	2
Blacksod Point ...	1004·3	-3	SE	2	c-	61	85	8	1500	Cu	2	Ci·SY	7	2
Donaghadee	1013·5	-3	SSW	3	mo-	58	97	6	2500	SY	10	-	10	*
Birr Castle	1008·6	*	SSE	3	bc-	60	92	7	1500	Cu	6	-	6	*
Baldonnell	1010·7	-3	SSE	2	b+	64	85	7	2500	Cu	1	Ci·SY	2	*
Holyhead	1012·4	-2	SE'E	2	bv	58	85	9	-	-	0	Ci	1	0
Liverpool (Bidston) ...	1014·4	-2	SE'E	2	b/f	57	97	5	4000	SYCu	H?	-	H?	0
Manchester (Alex.Pk.)	1016·2	-2	E	3	b	59	85	6	4000	Cu	1	Ci	2	*
Howden	1018·0	-1	ESE	2	o	58	97	3	800	SY	10	-	10	*
Spurn Head	1018·9	-2	ESE	4	fo+	59	92	2	450	SY	10	-	10	3
Nottingham	1017·3	*	E	2	o	58	97	5	-	-	0	a SY	10	*
Cromwell	1018·2	-1	ESE	4	mmo	58	97	5	450	SY	10	-	10	*
Gorleston	1019·6	0	SE'E	4	fo	59	97	2	-	SY?	10	Ci	10	2
Pulham	1018·7	-1	SW	3	fo	60	97	1	4150	SY	10	-	10	*
Felixstowe	1019·0	-1	ESE	3	fo	60	97	3	800	SY	10	-	10	1
Valencia (Cahirciveen)	1004·8	-2	SSE	6	bc	63	85	8	1500	SYCu	4	a Cu	6	4
Roches Point	1010·2	0	S	4	od	60	97	3	4150	SY	10	-	10	4
Pembroke (St. Ann's H.)	1011·9	-2	ESE	4	b	61	97	8	-	-	0	-	0	*
Ross-on-Wye	1015·8	-1	-	0	f a-	52	97	1	4150?	SY?	10?	-	10?	*
Benson	1016·0	-1	ESE	2	-	59	92	6	-	-	0	Ci	1	*
S. Farnborough ...	1016·8	-1	E	1	ff	54	97	3	-	-	0	-	0	*
London (Kew Obsy.) ...	1017·0	0	E	2	fb	59	97	3	-	-	0	Ci	3	
Croydon	1017·8	0	ENE	1	b+	55	97	5	-	-	0	Ci	3	
Clacton-on-Sea ...	1018·4	0	E	3	fo-	61	92	3	4150	SY	10	-	10	0
Shoeburyness	1018·0	-1	ME	1	mb-	60	92	4	-	-	0	-	0	*
Grain	1017·6	-1	-	0	b	61	92	5	-	-	0	-	0	0
Lympne	1017·8	0	SE	3	b+	63	85	8	-	-	0	Ci·SY	3	*
Scilly (St. Mary's) ...	1010·5	-1	SE	2	ffo	57	97	0	800	SY	10	-	10	3
Falmouth	1011·2	-2	E	4	mmc	60	97	6	2500	Cu	7	-	7	*
Plymouth	1012·8	-2	E	3	b+	61	92	8	4000	SYCu	3	-	3	1
Portland Bill	1014·4	-3	E	4	b	62	85	8	-	-	0	-	0	1
Calshot	1015·4	-2	E	4	mmb	62	92	7	-	-	0	-	0	*
Dungeness	1017·3	0	ME	1	bc+	63	85	8	-	-	0	Ci·Cu	5	2
Jersey 7h } Guernsey 1h } ...	1014·2	0	E	1	b	66	75	8	-	-	0	-	0	0

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 12h.-9h. 3rd-4th mm.	Rainfall.† Day 9h.-17h. 4th mm.	Sunshine. Sunrise to 17h. 4th hr.	Sunshine. Sunrise to Sunset.‡ 3rd hr.
Banff	c.bc	bc	53	36	-	-	3·6	0·0
Montrose	c	c	55	45	-	-	0·4	0·0
Llandudno	or	c	67	56	15	3	0·2	0·0
Colwyn Bay ...	rd.bc	b.gbc	66	56	18	2	0·0	0·9
Rhyl	r.c	r.c	64	55	19	2	0·0	1·0
Southport	r.o	or.o	58	52	7	3	0·0	0·1
Blackpool	or		57	53	4	3	0·0	0·0
Harrogate	or	or	54	49	12	1	0·0	0·6
Skegness	r.o	o	60	58	20	-	0·0	2·6
Aberystwyth ...	r.o.c	b.bc	71	61	25	-	3·0	0·0
Bath	-	-	77	53	1	-	8·8	2·1
Leamington Spa ...	c	c	70	58	13	-	3·8	1·2
Lowestoft	od	o	64	59	11	-	0·0	3·4
Felixstowe	c.bo3		68	60	13	-	5·4	3·4
Southend	c.bc	bc.b	78	61	1	-	7·6	6·5
Paignton	w.f.c	ocbc	65	55	trace	-	1·4	2·3
Ilfracombe	ocbc.b	b	69	61	-	-	6·2	3·3
Bude	foc.bc	b	75	57	-	-	7·3	0·7
Penzance	b	b.bc	68	57	0·2	-	8·5	3·2
Torquay	f.c.b	b.f	69	59	-	-	5·5	1·0
Weymouth	b	b	75	52	-	-	9·3	4·6
Bournemouth ...	b	b	75	51	-	-	9·9	6·0
Portsmouth (S'thsea)	b	b	74	59	-	-	9·7	4·5
Worthing	b	b	73	57	-	-	10·2	2·8
Brighton	b	b.bc	69	57	-	-	9·0	4·2
Eastbourne	b	b	69	59	-	-	9·7	3·6
Hastings	w.b	b	72	60	trace	-	9·6	5·7
Folkestone	bc	b	71	50	-	-	7·5	6·3
Tunbridge Wells ...	b	b	80	57	-	-	8·8	7·5
Ramsgate	bc		72	60	-	-	7·2	7·5
Margate	bc.b	b	73	62	-	-	7·0	8·6
Deal	b	b	76	60	-	-	5·5	

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.21,868 Thursday 6th October 1921.

STATIONS.	Observations at 1300 G.M.T. 5th: 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	1014.0	0	S	4	Fo	51	97	1	225	Nb	10	-	10	*
Stornoway	1007.9	-2	S'W	4	b-	69	65	7	-	-	0	A.Cu	4	*
Wick	1011.3	-1	SSE	3	b	57	92	8	4000	Cu	1	Ci	2	*
Castlebay	1007.5	-2	ESE	5	pr	59	85	6	1500	Nb	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1015.2	-2	SSE	3	ffo	56	97	2	<150	St	10	-	10	*
Malin Head	1006.5	-1	SSE	4	bc+	58	92	7	4000	Cu	6	-	6	*
Renfrew	1012.6	-4	E	4	b	66	75	5	4000	St	1	-	1	*
Inchkeith	1013.7	-3	E	3	mb	57	92	6	-	-	0	-	0	*
Eskdalemuir	1013.8	-3	SE'E	2	b	69	75	8	-	-	0	-	0	*
Tynemouth	1016.9	-1	S	3	mo	57	97	4	2500	St	10	-	10	*
Blacksod Point	1003.4	-2	SSE	3	bc-	67	65	8	2500	St	2	Ci.Cu	4	*
Donaghadee	1012.3	-3	SE	3	b/f	62	85	7	4000	Cu	3	-	3	*
Birr Castle	1008.0	*	SE	1	c+	64	92	7	4000	Nb	6	Ci	8	*
Baldonnell	1010.4	+1	S'E	5	c	71	65	7	4000	St.Cu	4	A.St	7	*
Holyhead	1012.0	+1	S	3	bc	73	65	8	-	-	0	A.Cu	3/5	*
Liverpool (Bidston)	1013.4	-1	SE	4	bc+	65	92	8	4000	Cu	2	Ci.Cu	4	*
Manchester (Alex.Pk.)	1014.5	-2	E	4	b	71	65	5	2500	Cu	1	-	1	*
Howden	1016.8	-2	SSE	3	o	64	85	5	1500	St	10	-	10	*
Spurn Head	1017.8	-1	SE	4	fo-	62	92	2	<150	St	10	-	10	*
Nottingham	1015.9	*	ESE	2	b-	68	85	8	-	-	0	-	0	*
Cranwell	1017.1	-1	SE	4	c-	64	92	6	450	St	7	-	7	*
Gorleston	1018.9	-1	SE'S	3	mb-	62	85	5	-	-	0	Ci	2	*
Pulham	1017.8	-2	ESE	3	bc-	71	85	6	-	-	0	Ci	4	*
Felixstowe	1018.6	-1	E'S	2	mb-	66	85	6	-	-	0	Ci.St	2	*
Valencia (Cahirciveen)	1004.7	-1	SSE	6	c	67	75	8	1500	St.Cu	7	-	7	*
Roches Point	1008.8	-2	SE	4	c	63	92	7	-	-	0	A.Cu	7	*
Pembroke (St.Ann's H.)	1012.3	0	ESE	3	bc	65	92	8	800	St	3	A.Cu	5	*
Ross-on-Wye	1013.5	-3	SSE	2	b	78	55	6	-	-	0	Ci.Cu	1	*
Benson	1014.4	-4	SE	4	b	79	55	6	-	-	0	-	0	*
S. Farnborough	1015.1	-2	S'E	4	b/f	82	45	8	-	-	0	-	0	*
London (Kew Obsy.)	1015.6	-3	SE	4	b	81	45	8	-	-	0	-	0	*
Croydon	1015.3	-2	SSE	4	b	81	45	8	-	-	0	Ci	1	*
Clacton-on-Sea	-	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1015.1	0	E	3	zb	71	75	4	-	-	0	-	0	*
Grain	1016.6	0	SE	3	b	78	55	8	-	-	0	-	0	*
Lympne	1017.3	-3	SE	3	b	76	55	8	-	-	0	Ci.St	2	*
Scilly (St. Mary's)	1009.5	-1	E'S	3	bc/f	67	75	6	4000	St.Cu	3	Ci	4	*
Falmouth	1010.6	-3	E	4	bc+	67	85	7	2500	Cu	1	Ci	5	*
Plymouth	1011.5	-2	E	3	bc	74	85	8	4000	St.Cu	4	-	4	*
Portland Bill	1014.4	0	E	4	b	66	85	8	-	-	0	-	0	*
Calshot	1014.8	-2	ESE	4	b/f	67	85	8	-	-	0	-	0	*
Dungeness	1017.3	0	SE	2	b	71	75	6	-	-	0	-	0	*
Jersey	1014.5	0	SE	2	b	75	55	8	-	-	0	-	0	*

STATIONS.	Observations at 1800 G.M.T. 5th: 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	1012.5	-2	S	4	FFo	52	97	1	450	Nb	10	-	10	3
Stornoway	1004.9	-2	S	4	c+	65	75	6	800	St	8	-	8	3
Wick	1009.1	-2	SSW	5	mmbc	55	97	4	225	St	5	A.St	5	3
Castlebay	1005.1	-3	E	4	fo+	59	92	6	4000	Stcu	8	-	8	5
Nairn	1008.5	*	-	0	bc+	65	75	8	5750	St.Cu	5	Ci.Cu	6	*
Aberdeen	1013.5	-1	S'E	3	ffo	55	97	2	<150	St	10	-	10	1
Malin Head	1005.6	0	SE	2	c+	65	92	8	-	-	0	~~CSE~~ CSE	7	1
Renfrew	1010.0	-2	ENE	2	off	64	85	7	5000	CuNb	08	~~[illegible]~~	10	*
Inchkeith	1011.3	-2	NE	3	bc+	56	92	6	-	St	2	A.Cu	5	3
Eskdalemuir	1012.4	-2	-	0	bc+	62	85	7	5750	St.Cu	5	-	5	*
Tynemouth	1014.4	-3	SSE	2	mo+	56	97	5	4000	St	10	-	10	2
Blacksod Point	1003.2	+1	SSW	5	c+	63	85	7	1500	St.Cu	8	-	8	4
Donaghadee	1009.7	-2	SSE	3	c+	61	85	8	4000	CuNb	7	-	7	4
Birr Castle	1006.2	*	SSE	2	c-	65	85	8	4000	St.Cu	5	Ci.Cu	7	*
Baldonnell	1008.1	0	SSE	5	o+	66	85	6	2500	Nb	8	A.St	10	*
Holyhead	1009.3	-3	-	0	bc-	65	85	8	2500	St.Cu	5	A.St	6	0
Liverpool (Bidston)	1010.9	-3	ESE	4	bc	68	85	4	-	-	0	A.St	6	4
Manchester (Alex.Pk.)	1013.0	-1	ESE	4	o+	67	85	4	4000	St.Cu	7	A.St	10	*
Howden	1015.0	-1	~~SE'S~~	2	mb-	61	92	4	2500	St	1	A.St	2	*
Spurn Head	1015.6	-1	SE	4	b	60	97	5	1500	St	2	-	2	3
Nottingham	1014.6	*	E	2	b+	67	85	7	-	-	0	A.Cu	2	*
Cranwell	1015.6	0	SE'S	4	b	66	92	6	-	-	0	Ci	1	*
Gorleston	1017.8	-1	SSE	3	mb	62	92	4	-	-	0	-	0	1
Pulham														*
Felixstowe	1017.2	-1	ESE	3	mb-	64	85	6	-	-	0	-	0	2
Valencia (Cahirciveen)	1004.6	0	S'E	6	c	63	85	8	1500	St.Cu	7	-	7	4
Roches Point	1007.8	-2	SSW	3	op%	61	97	7	800	St	2	A.Cu	9	4
Pembroke (St.Ann's H.)	1010.0	-1	S	3	o+	62	97	8	1500	St	9	-	9	4
Ross-on-Wye	1012.5	-2	SE'S	3	b	72	65	7	-	-	0	Ci	2	*
Benson	1013.8	0	SSE	3	b	70	65	8	-	-	0	-	0	*
S. Farnborough	1014.5	+1	SE	1	b	71	65	8	-	-	0	-	0	*
London (Kew Obsy.)	1015.1	+1	SE	2	b	72	55	8	-	-	0	-	0	*
Croydon	1015.8	0	S'E	1	b	72	55	8	-	-	0	-	0	*
Clacton-on-Sea	1016.3	-2	ESE	4	b	65	85	5	-	-	0	A.St	2	0
Shoeburyness	1016.1	-2	ESE	2	fb+	65	85	3	-	-	0	-	0	*
Grain	1015.9	+1	-	0	b	68	75	7	-	-	0	-	0	0
Lympne	1016.2	-1	E	2	b	67	75	7	-	-	0	Ci.St	1	*
Scilly (St. Mary's)	1009.8	0	SE'S	3	c-	60	92	8	4000	CuNb	7	-	7	3
Falmouth	1010.9	0	E	1	imb	61	92	5	-	-	0	A.St	2	*
Plymouth	1011.3	0	ESE	1	c-	66	85	8	-	-	0	A.St	7	1
Portland Bill	1013.0	-2	E	5	b	64	85	8	-	-	0	-	0	4
Calshot	1013.9	-1	SE	4	b	65	85	8	-	-	0	A.Cu	1	3
Dungeness	1015.8	-2	NE	2	b	65	85	7	-	-	0	-	0	2
Jersey	1011.7	0	SE	2	b	74	65	8	-	-	0	-	0	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. 6th								YESTERDAY.	TO-DAY.	
Kew	bmby	b.by	b.bm	*	*	46	Tr	-	8.5	*	*
Croydon } 24 hours ended 0700	bmizy	by	b	*	*	55	-	-	9.9	*	*
Greenwich (Royal Obsy.)	b	b	bw	83	57	44	-	-	9.3	43	72
City (Bunhill Row)	*	*	*	*	*	*	*	*	7.9	*	*
Westminster (St. James' Pk.)	*	*	*						8.2		
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	8.0	*	
Camden Sq. (Brit. Rainfall)	b	b	*	84	54	50	-	-	*	44	59
Kensington Palace	b	b	*	84	57	50	-	-	*	54(18h)	79
Hampstead Observatory	*	*	*			*			*		

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.

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

South Kensington

Max.	Time.	Min.	Time.
1	1500 4th	½	1400 5th
1½	1100 5th		

Kew Observatory

Max.	Time.	Min.	Time.
1·2	1900 4th	<0·2	1400 5th
1·6	0900 5th		1600 5th

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total ..... joules

Average Rate

..... Milliwatts.

Maximum Rate

..... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 5th ..... 6 h. 30 m. to 6th ..... 5 h. ... m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	10·30	10·30	100
δ Ursae Minoris	10·30	10·30	100

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

6th and 7th October 1921.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·4	11·41	5·18
	6·6	11·41	5·16
Greenwich	6·10	11·48	5·26
	6·12	11·48	5·24
Wick	6·30	12·0	5·31
	6·32	12·0	5·28
Valencia	6·51	12·29	6·7
	6·53	12·29	6·5

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, *i.e.*, rain and snow together.
s snow. 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,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.

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.	Metres per second
0	Less than 1	Less than 0·3
1	1– 3	0·3– 1·5
2	4– 7	1·6– 3·3
3	8–12	3·4– 5·4
4	13–18	5·5– 7·9
5	19–24	8·0–10·7
6	25–31	10·8–13·8
7	32–38	13·9–17·1
8	39–46	17·2–20·7
9	47–54	20·8–24·4
10	55–63	24·5–28·4
11	64–75	28·5–33·5
12	Above 75	33·6 or above

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

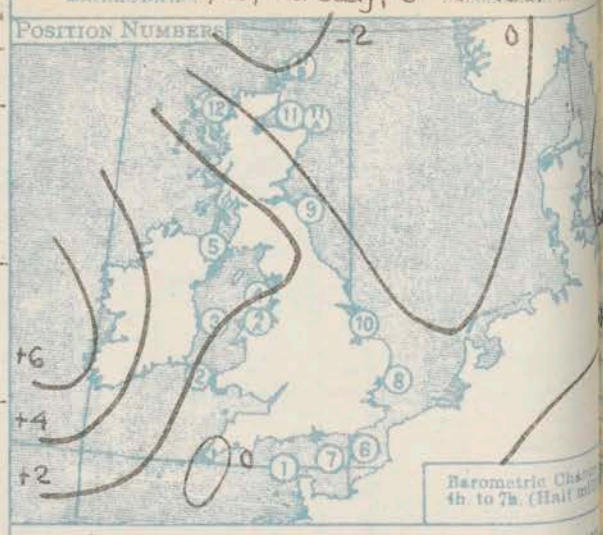
M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS

STATIONS.	WEATHER. 7h.-13h. 5th	13h.-19h. 5th	18h. 5th to 18h. 6th	18h.-7h. 6th	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	F	b.r.r.	r.o r.o	ff. R	52	50	*	Trace	4	1530	<21.00	*
Stornoway	c	c	c	o.o	67	58	*	-	-	-	-	4.1
Wick	b w b c	c	o.o	i Rglom	57	54	*	-	3	-	1.30	*
Castlebay	d o c o p	o b c o m	o m c	c r r d	59	52	*	0.3	2			0.7
Nairn	b w b c	b w b c	t h r		70	50	*	-	6	-	2.30	9.2
Aberdeen	c m o f f	o f f e d	o f f e	f. b m	?	54	54	Trace	trace	1530	<21.00	0.1
Malin Head	b o r b c	b o r b c	o b c f c l	b o r b c	69	59	*	-	trace		22.00	7.2
Renfrew	b o r b c	c r e f o m	c r. o r b	o.o	71	59	53	Trace	0.1	-	22.00	6.0
Inchkeith	b w b c	f o r m	c		62	55	53	Trace	-	-	-	*
Eskdalemuir	b w b c	b o r b c	b c l. c l	o.o	70	57	54	-	-	-	-	2.4
Tynemouth	i f	f o r m	i f c	i f c	59	55	*	-	trace	-	<21.00	*
Blacksod Point ...	p	b w b c	p	r o r d	69	55	*	-	2	-	22.00	*
Donaghadee	b c m f	b c m q	c m r l	c m	62	57	*	-	13	-	<21.00	*
Birr Castle	c p r	c	b	c. r r	69	57	53	0.2	3	1100	6.30	5.6
Baldonnell	b c c o	c o q	t l R	c	73	58	51	Trace	2	-	<21.00	6.3
Holyhead	b b c	b c i t c	c. b c l	o.o	75	59	56	-	-	-	-	8.2
Liverpool (Bidston) ...	b w b c	b w b c	b o r b c		69	57	51	-	-	-	-	6.5
Manchester (Alex. Pk.)	b w b c	b b c z c m	b f m		75	56	47	-	-	-	-	*
Howden	o o	b w b c	b o r b c	f o r m	67	53	46	-	-	-	-	1.3
Spurn Head	F	F	b o r b c	b o r b c	61	58	*	-	0.3	-	-	*
Nottingham	c	b w b c	b o r b c		71	54	49	-	-	-	-	3.9
Cranwell	o o i m	i m w	b o r c i m	i m w.	71	55	50	-	trace	-	-	3.8
Gorleston	o f b m	b m	b o r b c	b. b m b w	64	59	57	-	-	-	-	4.5
Pulham	c	b o r b c	c	b o r b c	73	56	47	-	-	-	-	6.9
Felixstowe	f o r m	f o r m		f o r m	67	61	59	-	-	-	-	7.2
Valencia (Cahirciveen)	b c c	c	c.o	o p	67	58	57	-	1	-	4.30	3.7
Roches Point	b w b c	c	c		63	60	*	0.5	0.4	1730	6.30	*
Pembroke (St. Ann's H.)	c	c	b o r b c	b o r b c	69	60	*	-	0.2	-	<21.00	5.9
Ross-on-Wye	f m b z	b y b c b y	b w	b w c i m	80	54	47	-	-	-	-	7.0
Benson	b w b c	b w b c	b o r b c		81	57	48	-	-	-	-	*
S. Farnborough ...	f o r m	b o r b c	f o r m		82	55	46	-	-	-	-	9.4
London (Kew Obsy.) ...	b m y b y	b. b y	b	b. b m w	83	55	46	Trace	-	<0800	-	8.5
Croydon	b m i z y	b y	b c y	b	82	62	56	-	-	-	-	9.9
Clacton-on-Sea ...	b c z	b m	b m	b m z	68	62	57	-	-	-	-	8.2
Shoeburyness	f o r m	f o r m	f o r m		72	55	46	-	trace	-	-	9.5
Grain	b w b c	b w b c	b o r b c		78	61	50	-	-	-	-	9.9
Lympne	b w b c	b w b c	b i m	b o r b c	76	61	55	-	-	-	-	10.3
Scilly (St. Mary's) ...	f o r m	t h r	b o r b c	c p o	68	58	*	1	1	1430	4.30	3.5
Falmouth	b c m m	b c m z f	b c m	f	68	55	50	-	-	-	-	5.5
Plymouth	b w b c	c	f	f	75	55	?	-	0.1	-	1.30	8.1
Portland Bill	b w b c	b w b c	b o r b c	F	68	60	*	-	-	-	-	*
Calshot	f o r m	b w b c	b o r b c	b o r b c	69	60	59	-	-	-	-	10.0
Dungeness	b w b c i m	b w b c	b o r b c	b o r b c	72	62	*	-	-	-	-	*
Jersey	b	b	b	b w	78	59	*	-	-	-	-	9.8

ISALLOBARS 0700, Thursday, 6th October

POSITION NUMBERS



Temperature reported from Cross Channel and Coastal Steamers

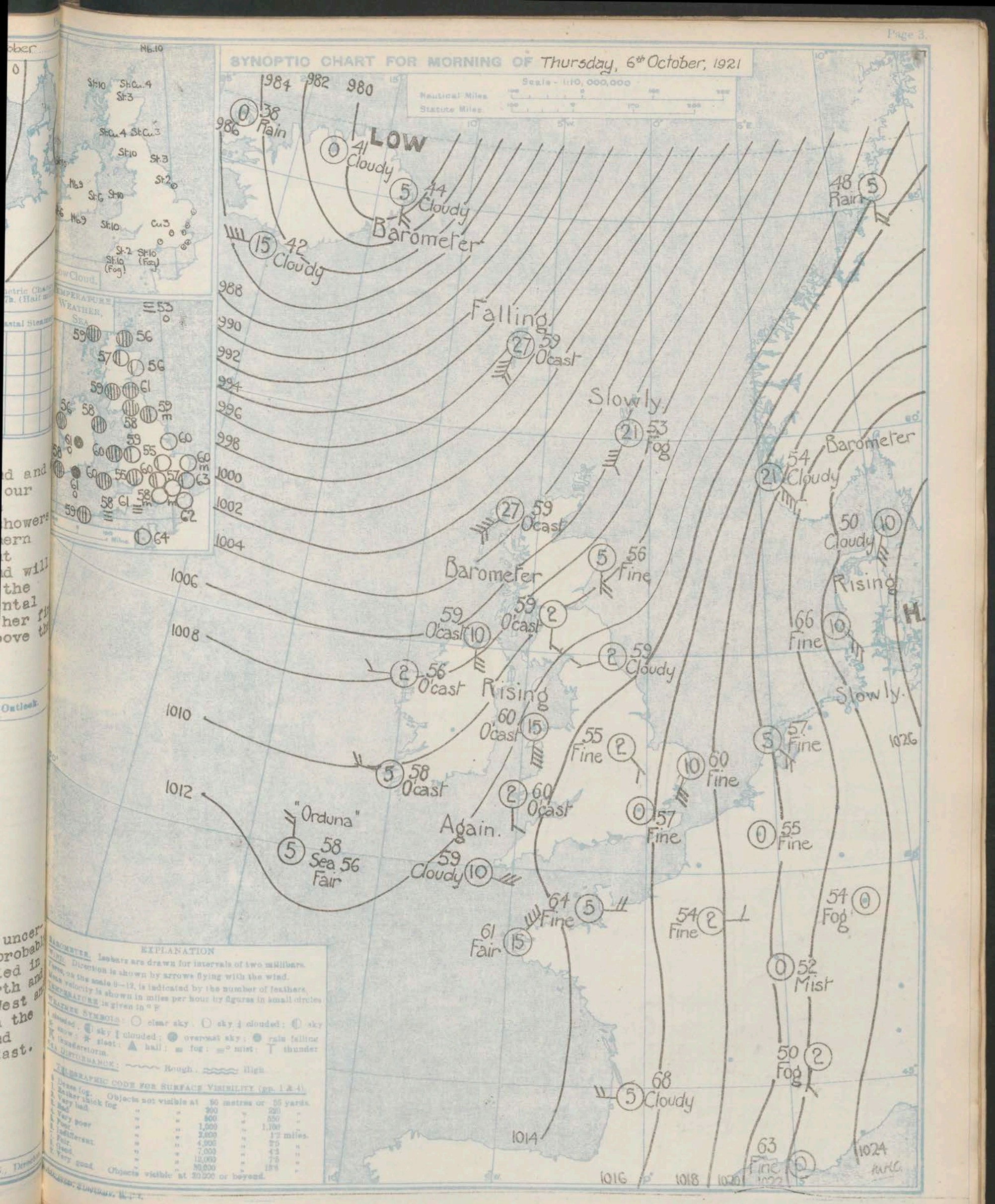
Position Number	3	6	7
Date	5th	6th	6th
Time G.M.T.	1015	0500	0217
Sea ° F.	59	63	63
Air ° F	62	64	66

GENERAL INFERENCE.

A depression over Iceland and V-shaped secondary over our Western districts may be expected to cause some showers in the Western and Northern parts of the Kingdom, but the South-East of England will probably continue under the influence of the Continental anticyclone and the weather fi[illegible] th[illegible] with temperature much above normal.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 6th October 1921.	Farther Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind light or moderate, from some Southerly point; fine; warm; visibility fair or good generally, but local mist and fog at night and in early morning.	
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 South to South-West, light or moderate; variable sky, some showers in places; temperature lower than of late; visibility fair or good generally, but mist locally.	Rather uncertain; probabl[illegible] unsettled in the North and North-West a[illegible] fair in the East and South-East.
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind South-West to West, moderate or fresh; cloudy or dull, some rain or showers, then fairer; moderate temperature; visibility fair to good.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind South-West and West veering to North-West, light or moderate; variable sky, some showers; visibility fair or good; cooler.	

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


SYNOPTIC CHART FOR MORNING OF Thursday, 6th October, 1921
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
H.
Barometer
Falling
Slowly
Rising
Again.
"Orduna"
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 (gp. 1 & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Rather thick fog " " 200 " 220 "
2 Very bad " " 500 " 550 "
3 Bad " " 1,000 " 1,100 "
4 Very poor " " 2,000 " 1·2 miles.
5 Poor " " 4,000 " 2·5 "
6 Indifferent " " 7,000 " 4·3 "
7 Fair " " 12,000 " 7·5 "
8 Good " " 20,000 " 12·5 "
9 Very good. Objects visible at 20,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Thursday, 6th October 1921. No. 279

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	1010.3	-1	SSW	5	of+	52	97	0	1500	Nb	10	-	10	*
Stornoway	1004.5	-2	SW	5	0	*	*	5	*	*	*	*	*	*
Wick	1006.3	-2	S	4	o+	55	97	8	800	St.	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1004.7	+1	SE	3	b-	62	97	8	4000	Cu	3	-	3	*
Renfrew	1008.9	-1	SE	2	ocl	66	85	8	4000	St.Cu	10	-	10	*
Inchkeith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1010.7	-2	S	3	o+	62	85	6	2500	St.Cu	10	-	10	*
Tynemouth	1012.5	-2	SW	3	b/f	60	97	5	-	-	-	-	0	*
Blacksod Point ...	1003.2	0	SW	4	pr.	60	97	7	450	St.	10	-	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1009.4	+1	S'EW	2	b	59	92	8	4000	St.	1	-	1	*
Holyhead	1010.9	+1	S	4	c+	*	*	7	2500	St.Cu	7	-	7	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1014.3	0	SSE	3	b	58	92	4	-	-	-	-	0	*
Spurn Head	1015.6	-1	SSE	4	b	55	92	5	-	-	-	-	0	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1015.8	0	SSE	3	b	57	97	6	-	-	-	-	0	*
Gorleston	1017.6	0	S	3	b	62	92	7	-	-	-	-	0	*
Pulham	1016.6	0	SE'E	2	b	63	92	7	-	-	-	-	0	*
Felixstowe														*
Valencia (Cahirciveen)	1007.1	0	S	2	b	61	*	?	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1012.0	+2	S	4	b	60	97	8	-	-	-	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	61	*	*	*	*	*	*	*	*
Croydon	1015.6	0	-	0	b	65	75	8	-	-	-	-	0	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1016.4	-1	SE	4	b	65	85	8	-	-	-	-	0	*
Scilly (St. Mary's) ...	1011.4	0	SSE	2	b	60	97	8	-	-	-	-	0	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1013.1	0	E	1	omm	60	97	3	450	St.	10	-	10	*
Portland Bill	1013.0	0	E	3	b	59	85	8	-	-	-	-	0	*
Calshot	1014.0	0	E	4	b	64	85	8	-	-	-	-	0	*
Dungeness	1015.2	0	E	2	b	64	85	8	-	-	-	-	0	*
Jersey (7h) Guernsey (1h) ...	1013.6	+1	-	0	b	65	85	8	5750	St.Cu	1	-	1	*

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
Lerwick	1007.3	-2	SSW	5	ffo	53	97	1	450	Nb	10	-	10
Stornoway	1002.7	+1	SW	6	o	59	92	7	800	St.	10	-	10
Wick	1005.5	-1	SSW	3	o/r	56	97	6	4000	St.Cu	4	A.Cu	10
Castlebay	1004.7	+1	WNW	4	od	54	97	6	2500	Nb	10	-	10
Nairn	~~1006.4~~	*	-	0	bd/lr	57	92	8	1500	St.	3	Ci.Cu	5
Aberdeen	1009.8	0	S	2	b/f	56	97	5	-	-	-	A.Cu	2
Malin Head	1006.3	+2	S	3	o+	59	97	8	4000	St.Cu	10	-	10
Renfrew	1010.3	+2	SSE	1	o-	59	92	8	4000	St.Cu	4	Ci.St	10
Inchkeith	1010.0	+2	SW	4	o+	61	85	8	-	St.Cu	3	Ci.Cu	9
Eskdalemuir	1012.4	+2	S'W	3	o	58	97	6	225	St.	10	-	10
Tynemouth	1012.8	+2	WSW	1	cm-	59	97	4	4000	St.	3	Ci.Cu	7
Blacksod Point ...	1008.0	+5	W	1	o/r	56	92	7	450	St.	10	-	10
Donaghadee	1011.1	+2	SW	2	bc+	58	92	8	-	-	-	A.Cu	6
Birr Castle ...	1008.9	*	SE	1	oR-	61	92	6	2500	Nb	9	-	9
Baldonnell	1011.0	+2	SSW	3	c	60	92	8	1500	St.	6	Ci	7
Holyhead	1013.0	+2	S	4	o	60	97	9	800	St.	10	-	10
Liverpool (Bidston) ...	1013.6	+1	SSE	1	bc+	59	45	7	-	-	-	Ci.St	4
Manchester (Alex.Pk.)	1014.2	+2	W	1	b+	57	92	5	-	.	-	A.Cu	3
Howden	1014.1	0	SE	2	bc	55	97	4	2500	St.	2	A.Cu	4
Spurn Head	1015.4	0	SSE	4	b	60	97	6	-	-	-	-	0
Nottingham	1014.6	-	SE	1	b+	55	97	5	-	-	-	A.Cu	2
Cranwell	1015.3	0	SSE	1	b	55	97	6	-	-	-	-	0
Gorleston	1017.3	0	SSW	3	bm-	60	92	5	-	-	-	-	0
Pulham	1015.5	-	-	0	b	56	97	7	-	-	-	-	0
Felixstowe	1016.0	0	SE	2	b	62	92	7	-	-	-	-	0
Valencia (Cahirciveen)	1010.5	+6	W'N	2	o	58	92	8	800	St.	6	A.St	10
Roches Point	1011.0	+3	SW	3	opr.	61	92	7	2500	Nb	9	-	9
Pembroke (St. Ann's H.)	1013.6	0	S	1	o+	60	97	8	1500	St.	10	-	10
Ross-on-Wye	1014.6	+1	SW	1	c	55	97	4	-	-	-	A.Cu	7
Benson	1014.4	+2	SSE	1	bc+	60	92	8	-	Cu	3	Ci.Cu	5
S. Farnborough ...	1012.9	+1	SSE	1	bmn	58	97	7	-	-	-	-	0
London (Kew Obsy.) ...	1015.1	+1	-	0	bm-	57	92	5	-	-	-	A.St	1
Croydon	1015.9	0	SSW	1	b+	62	85	8	5750	St.Cu	1	-	1
Clacton-on-Sea ...	1016.5	0	ESE	2	b	63	85	6	-	-	-	A.St	2
Shoeburyness	1016.1	0	SE	1	bm-	61	92	5	-	-	-	-	0
Grain	1015.8	0	-	0	b	63	85	7	-	-	-	-	0
Lympne	1016.5	+1	SSE	3	b	62	85	7	-	-	-	-	0
Scilly (St. Mary's) ...	1012.5	+1	E'S	3	bc	59	97	8	-	-	-	A.St	6
Falmouth	1013.4	-1	ESE	3	ffo	58	97	2	450	St.	10	-	10
Plymouth	1014.4	+1	NE	2	bcm	55	97	6	450	St.	2	A.Cu	6
Portland Bill	1015.5	+4	SW	2	of	61	85	2	225	St.	10	-	10
Calshot	1014.8	+1	E'S	2	bm	61	92	7	4000	Cu	2	A.Cu	3
Dungeness	1016.2	+1	SE	3	b	62	92	8	-	-	-	-	0
Jersey (7h) Guernsey (1h) ...	1014.3	0	E	2	b	64	75	8	-	.	-	Ci.Cu	3

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

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 4th-5th mm.	Rainfall.† Day 9h.-17h. 5th mm.	Sunshine. Sunrise to 17h. 5th hr.	Sunshine. Sunrise to Sunset 4th hr.
Banff	cbcq	bccz	68	50	0.9	-	6.7	3.6
Montrose	of	of	57	52	0.7	-	0.0	0.4
Llandudno	bbc	bcc	78	69	0.1	-	7.3	0.2
Colwyn Bay ...	b	b	77	56	-	-	9.5	0.0
Rhyl	bcb	bbc	73	56	0.1	-	8.6	0.0
Southport	wb	bbcc	71	55	-	-	7.9	0.0
Blackpool	b.bc	c	73	55	0.2	-	8.6	0.0
Harrogate	o	o	61	53	0.9	-	0.0	0.0
Skegness	oocb	b	65	58	-	-	5.6	0.0
Aberystwyth ...	cbc	bcc	79	62	-	-	6.3	3.0
Bath	b	b	82	56	-	-	8.9	8.8
Leamington Spa ...	cz	b	79	53	-	-	8.0	3.8
Lowestoft	omc	cbcb	65	59	-	-	5.2	0.0
Felixstowe	bcm	bm	66	59	-	-	7.2	5.4
Southend	b	b	77	59	-	-	8.8	7.6
Paignton	wb	bbcc	70	52	-	-	8.7	1.4
Ilfracombe	b	b.bcc	77	63	-	-	8.1	6.2
Bude	wbcc	cbcbc	78	59	-	-	7.7	7.3
Penzance	bc	bc	69	58	-	-	5.3	8.7
Torquay	wb.bc	b.bc	70	60	-	-	8.8	5.5
Weymouth	b	b	75	59	-	-	9.5	9.3
Bournemouth ...	b	b	72	55	-	-	10.0	9.9
Portsmouth (S'thsea)	b	b	74	61	-	-	9.9	9.7
Worthing	b	b	70	61	-	-	10.2	10.2
Brighton	b	b	76	62	-	-	9.4	9.0
Eastbourne ...	b	b	70	56	-	-	9.7	9.7
Hastings	b	b	73	62	-	-	10.0	9.6
Folkestone	bc	bc	73	59	-	-	9.6	7.5
Tunbridge Wells ...	b	b	80	59	-	-	9.9	8.8
Ramsgate	b	b	71	60	-	-	8.8	7.2
Margate	b	b	70	61	-	-	9.4	7.0
Deal	b	b	73	60	-	-	10.0	7.9

* 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. B21869 FRIDAY, 7TH OCTOBER 1921. Page 1.

Stations	1300 G.M.T. 6th: 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	1800 G.M.T. 6th: 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	1006.0	-2	SW	4	bc-	55	92	5	-	Cu.Nb	3	A.Cu	6	*	1009.3	+7	WSW	3	or'do	51	92	4	2500	Nb	10	-	10	2
Stornoway	1007.0	+3	WSW	4	o/r	55	75	7	4000	St.Cu	9	-	9	*	1008.9	+1	WSW	3	b-	52	85	7	4000	Cu.Nb	3	-	3	2
Wick	1006.0	0	SSW	3	o+	62	85	8	2500	Cu.Nb	6	A.Cu	9	*	1009.4	+4	S	4	o/r	53	97	8	1500	St	9	-	9	1
Castlebay	1009.5	+1	WSW	4	or	55	75	8	4000	St	10	-	10	*	1010.1	+1	SSW	3	bc	54	75	8	7250	Cu	2	A.St	3	3
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1009.7	×	-	0	o/r	53	97	8	1500	Cu.Nb	9	-	9	*
Aberdeen	1009.6	0	S'E	3	bc	64	75	6	1500	St.Cu	4	-	4	*	1011.2	+3	SW'S	1	or	61	85	6	2500	Nb	10	-	10	0
Malin Head	1010.0	+3	WSW	2	o	56	92	8	-	-	-	A.St	10	*	1010.7	+1	W	1	o	55	92	8	2500	St.Cu	9	-	9	1
Renfrew	1010.3	0	SSW	3	o	63	75	8	1500	St.Cu	8	A.St	10	*	1011.6	+2	-	0	orr	56	97	6	800	Nb	10	-	10	*
Inchkeith	1010.4	+1	SW	4	o	64	75	9	-	St.Cu	9	-	9	*	1010.9	+1	WSW	3	or₀r₀	60	85	8	-	Nb	10	-	10	2
Eskdalemuir	1012.1	-1	S'W	5	opr₀	61	85	8	1500	St.Cu	10	-	10	*	1012.8	0	SSW	4	orr	58	97	6	450	Nb	10	-	10	*
Tynemouth	1012.9	-2	SW	2	b	70	75	6	-	-	-	Ci.Cu	2	*	1013.0	0	W	1	fbc	62	92	3	2500	St	4	-	4	0
Blacksod Point	1010.8	+4	SW	2	c/r	59	75	8	1500	Cu	3	A.Cu	7	*	1011.0	+1	WSW	3	bc	55	97	8	4000	Cu	6	-	6	1
Donaghadee	1011.2	+1	WSW	3	o+	61	92	8	5750	St.Cu	9	-	9	*	1012.3	+3	NW	1	opr₀	56	92	8	5750	St.Cu	9	-	9	1
Birr Castle	1011.7	*	W	1	o	60	92	7	2500	Nb	9	-	9	*	1012.1	*	SW	1	c-	59	85	8	4000	St.Cu	5	Ci	8	*
Baldonnell	1012.2	+3	S	4	or₀	65	85	8	2500	St.Cu	10	-	10	*	1012.9	+1	-	0	od	59	97	9	800	St	10	-	10	*
Holyhead	1013.2	0	S'W	3	o	63	85	8	4000	St.Cu	4	A.Cu	10	*	1013.7	0	SSW	4	o	61	97	8	450	St.Cu	10	-	10	1
Liverpool (Bidston)	1012.7	-1	SSE	1	b-	70	65	7	5750	St.Cu	2	A.St	3	*	1013.4	+1	WNW	1	c+	62	85	6	2500	Cu	3	Ci.Cu	7	*
Manchester (Alex. Pk.)	1012.8	-4	SSW	2	b-	76	55	6	-	-	-	-	0	*	1013.8	+2	WSW	1	c+	65	75	4	4000	St.Cu	3	A.St	8	*
Howden	1013.7	-2	SSE	1	bc+	74	65	5	-	-	-	A.Cu	4	*	1013.0	0	S'E	3	bc+	66	92	5	4000	St.Cu	1	A.Cu	4	*
Spurn Head	1013.9	-1	S	3	b+	69	97	7	2500	St	2	Ci.Cu	3	*	1013.8	0	S	3	bc	61	92	7	-	-	0	A.Cu	5	2
Nottingham	1014.1	*	S	1	b	76	65	7	-	-	-	Ci.St	1	*	1013.4	*	S	1	b	68	92	6	-	-	0	A.St	2	*
Cranwell	1014.8	-1	SE'S	1	b	73	75	6	7250	St.Cu	1	A.Cu	2	*	1014.1	0	S	1	b	66	92	6	-	-	0	A.Cu	3	*
Gorleston	1016.1	0	S	4	bm	66	85	5	-	-	-		0	*	1016.5	-1	S'W	3	mmb	62	92	5	-	-	0	-	0	2
Pulham	1015.7	-2	SE	3	b	75	85	7	-	-	-	-	0	*	1015.5	0	E	1	b	74	97	5	-	-	0	-	0	*
Felixstowe	1017.0	-1	SE'S	3	b	67	85	8	-	-	-		0	*	1016.2	0	SE	3	mb	64	92	6	-	-	0	A.Cu	1	1
Valencia (Cahirciveen)	1012.6	+2	W'N	1	c-	60	75	9	2500	Cu	4	A.Cu	7	*	1013.4	+1	W	1	bc+	56	85	9	4000	St.Cu	2	Ci.Cu	5	1
Roches Point	1013.5 (corrected from 1014.4)	+2	SSW	3	bc-	64	85	8	2500	Cu.Nb	2	Ci.St	5	*	1013.7	+1	WSW	2	b-	59	92	8	4000	Cu.Nb	2	-	2	3
Pembroke (St. Ann's H.)	1014.7	+1	S	2	c	64	92	8	-	-	-	A.Cu	8	*	1014.7	0	-	0	c	61	97	8	-	-	0	A.St	8	4
Ross-on-Wye	1013.6	-1	SW'S	2	bc	78	55	7	-	-	-	A.Cu	4	*	1013.4	-2	SW	2	bc	69	75	7	2500	St	3	Ci	6	*
Benson	1013.9	-3	SSE	2	b	77	65	7	-	-	0	A.Cu	2	*	1014.4	-2	SSW	2	b	68	75	8	-	-	0	Ci	2	*
S. Farnborough	1014.4	-2	SE'S	2	b	80	25	9	-	-	-	A.Cu	1	*	1015.1	+2	SE'S	1	mb	65	85	7	-	-	0	-	0	*
London (Kew Obsy.)	1014.5	-4	SE	3	b	79	55	8	-	-	-	A.Cu	1	*	1015.0	+1	S	2	b	71	65	8	-	-	0	A.Cu	2	*
Croydon	1015.1	-2	S'E	2	b	81	45	8	-	-	-	A.Cu	1	*	1015.6	+1	S	2	b	68	65	8	-	-	0	A.Cu	1	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1015.5	-1	SE	3	b	65	85	6	-	-	0	A.Cu	2	1
Shoeburyness	1015.9	0	ESE	2	bm	74	65	6	-	-	-	-	0	*	1015.6	-1	S	1	b	66	85	6	-	-	0	-	0	*
Grain	1015.3	0	-	0	b	72	65	8	-	-	-	-	0	*	1015.4	+2	-	0	b	68	75	7	-	-	0	A.Cu	1	0
Lympne	1016.4	-2	SSE	3	b	70	65	8	-	-	-	-	0	*	1016.2	+1	S	2	b	68	75	8	-	-	0	A.Cu	1	*
Scilly (St. Mary's)	1014.3	+1	-	0	o	65	85	8	4000	St.Cu	9	-	9	*	1014.8	+1	WSW	1	c	61	92	8	4000	St.Cu	3	A.Cu	8	1
Falmouth	1013.5	0	-	0	b/f	69	65	8	4000	Cu	2	Ci.St	3	*	1015.5	+4	-	0	c+	62	97	7	4000	St.Cu	4	A.St	7	*
Plymouth	1013.7	-1	ESE	1	bc	66	85	8	4000	St.Cu	4	-	4	*	1015.1	+3	WSW	2	o	61	97	7	2500	St.Cu	10	-	10	0
Portland Bill	1015.5	0	E'S	2	b-	66	75	7	-	-	-	-	0	*	1015.5	0	E'S	2	b	64	75	7	-	-	0	-	0	0
Calshot	1014.8	-2	ESE	3	bc	68	85	8	-	-	-	A.Cu	4	*	1015.1	+1	ESE	2	b	63	97	7	-	-	0	Ci	1	0
Dungeness	1016.5	0	SSW	2	b	68	75	8	-	-	-	-	0	*	1015.9	-1	-	0	b+	66	85	7	-	-	0	A.Cu	2	2
Jersey	1014.6	0	ESE	2	b	74	75	8	-	-	0	-	0	*	1015.9	0	ESE	2	b	71	55	8	-	-	0	-	0	0

LONDON OBSERVATIONS. (Weather, Temperature, Rainfall: 24 hours ended 0900 G.M.T. 7th. 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 Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
Kew	bmwbzby	bzybybz	b.bmw	*	*	46	-	tr.	9.6	*	*
Croydon (24 hours ended 0700)	bcy 12	by	b.bcwlm	*	*	53	-	-	9.0	*	*
Greenwich (Royal Obsy.)	b	b	bw	84	58	46	-	-	10.1	43	76 x
City (Bunhill Row)	*	*	*	*	*	*	*	*	7.1	*	*
Westminster (St. James' Pk.)	*	*	*						9.3		
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	7.9	*	-
Camden Sq. (Brit. Rainfall)	bm	b	*	84	58	54	-	-	*	47	89
Kensington Palace	b	b	*	84	59	51	-	-	*	63 (18h)	94
Hampstead Observatory	*	*	*						9.6	*	

ATMOSPHERIC POLLUTION. Lbs. of Solid Impurity per million cubic yards. 24 Hrs. ended 1800 G.M.T. 6th.

	Max.	Time	Min.	Time
South Kensington	1	2200 5th	½	1300 6th
	1½	0800 6th		
Kew Observatory	0.6	2200 5th	<0.2	1500 5th
	0.8	0900 6th		

SOLAR RADIATION. Vertical component per square centimetre. During yesterday. South Kensington. Total .... joules. Average Rate .... Milliwatts. Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy. Exposure from 6th 18 h 30 m to 7th 05 h 00 m.

Stars	Exposure h. m.	Record h. m.	%
Polaris	10.30	10 0	96
δ Ursae Minoris	10.30	9.42	93

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 7th & 8th OCTOBER 1921.

Stations	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	6 6 / 6 8	11.41 / 11.41	5.16 / 5.14
Greenwich	6.12 / 6.14	11.48 / 11.48	5.24 / 5.22
Wick	6.32 / 6.35	12.0 / 12.0	5.27 / 5.25
Valencia	6.53 / 6.55	12.29 / 12.29	6.5 / 6.3

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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 ₀ 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1-3	0·3-1·5
2	4-7	1·6-3·3
3	8-12	3·4-5·4
4	13-18	5·5-7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

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

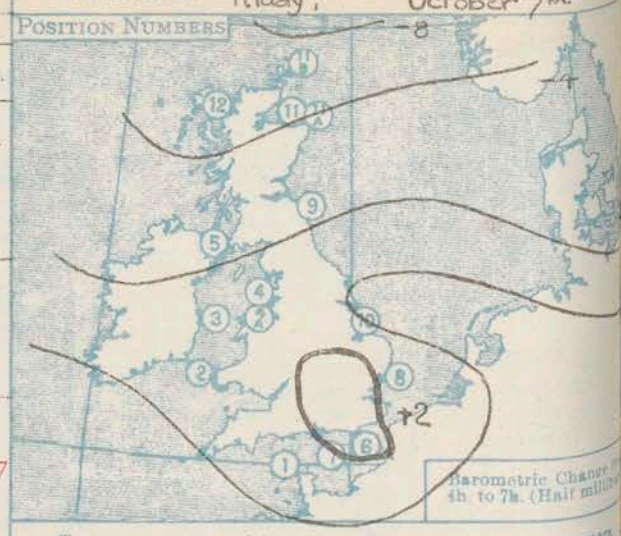
M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS

STATIONS.	WEATHER. 7h.-13h. 6th	13h.-18h. 6th	18h. 6th to 7h. 7th	18h.-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	m	r₀r₀	c	p₀	61	48	•	2	trace	1530	0230	•
Stornoway	rord	c	c	oo	59	46	•	5	2	-	-	2.4
Wick	oo	or₀r₀	oo	oir₀	63	50	•	2	0.4	1330	0530	•
Castlebay	d.o	Obc	bcob	obir	55	52	•	0.2	2			0.8
Nairn	p	p	r or d		64	44	•	4	0.2	1100	•	1.6
Aberdeen	bbcim	oimor	oirim		65	52	49	1	3	1730	<2100	3.8
Malin Head	rord	c	c	oir	60	50	•	5	2	0900	0330	0.1
Renfrew	o.o	rmr₀r₀	orr₀mor	c.or₀r₀r₀	66	49	42	4	1	1430	<2100	1.8
Inchkeith	c	oo	c		64	53	49	0.5	0.6	1730	-	•
Eskdalemuir	oir₀	irirmr	r or d	oo	61	53	50	5	3	1100	<2100	0.0
Tynemouth	borbcm	borbcm	borbcm	borbcm	71	57	•	-	-	-	-	•
Blacksod Point	rord	c	r or d	oo	60	54	•	1	2	<0800	2200	•
Donaghadee	cq	cp	cmp	cmp	62	53	•	3	0.3	1330	<2100	•
Birr Castle	opr	c	c.o	o.o	63	49	40	3	-	<0800	-	1.7
Baldonnell	o.o	rr₀oiR	o.c.b	bc.c.od₀m	67	51	44	3	trace	1230	0330	0.9
Holyhead	o.o	oir₀	o.cp2b	oo	64	57	57	trace	1	1730	<2100	0.3
Liverpool (Bidston)	borbc	borbc	bor	bc2t	73	58	51	-	trace	-	0130	6.2
Manchester (Alex.Pk.)	bmgbg	bbc12c2	cim	cim	77	55	48	-	-	-	-	•
Howden	borbc	form	bor bc	rord	76	53	45	-	4	-	0130	8.2
Spurn Head	borbc	borbc	bor bc	form	70	56	•	-	-	-	-	•
Nottingham	form	borbc	borbcimw		79	55	51	-	-	-	-	9.0
Cranwell	borbc	imim	bor bc	imm	76	56	54	-	-	-	-	9.0
Gorleston	form	bim	bor bc	borbc	66	58	56	-	-	-	-	9.4
Pulham	borbc	borbc	bor bc	borbc	76	57	48	-	-	-	-	9.4
Felixstowe	borbc	borbc		form	69	58	52	-	-	-	-	9.6
Valencia (Cahirciveen)	oc	cbbc	bor bc	c.o	61	49	43	-	-	-	-	3.7
Roches Point	3pobc	borbc	borbc		65	55	•	0.3	1	<0800	0530	•
Pembroke (St.Ann's H.)	c	c	FF	iF	64	58	•	-	0.1	-	0230	3.8
Ross-on-Wye	cbcbbcy	bycybc	b.bo c.b	bowbc	78	57	47	-	-	-	-	8.1
Benson	borbc	borbc	for m		80	53	45	-	-	-	-	•
S. Farnborough	borbc	borbc	F		81	53	47	-	-	-	-	9.4
London (Kew Obsy.)	bmwbz.bg	bzybyb2	b.	bmw	82	56	46	-	trace	-	-	9.6
Croydon	bcy13	by	bor bc	b.bcwim	83	58	53	-	-	-	-	9.0
Clacton-on-Sea	bz	bz	bzw	bw.bcz	68	59	56	-	-	-	-	9.5
Shoeburyness	form	form	for m		75	53	45	-	-	-	-	9.5
Grain	borbc	borbc	borbcimim		77	56	47	-	-	-	-	10.0
Lympne	borbc	borbc	bim	b.bcscwm	72	60	50	-	-	-	-	10.2
Scilly (St. Mary's)	c	c	bor bc	F	66	56	•	-	0.3	-	-	4.9
Falmouth	bc.b	cobcz	cm	fe	72	54	50	1	-	1630	-	3.7
Plymouth	borbc	c	form	form	71	57	?	-	trace	-	<2100	7.5
Portland Bill	borbc	borbc	F	form	68	57	•	-	-	-	-	•
Calshot	borbc	borbc	form	F	68	56	55	-	-	-	-	9.5
Dungeness	borbc	borbc	borbc	c	71	62	•	-	-	-	-	•
Jersey	b	b	So	b.ofe	76	60	•	-	-	-	-	9.5

ISALLOBARS. Friday, October 7th.

POSITION NUMBERS



Temperature reported from Cross Channel and Coastal Steamers

Position Number	3	1
Date	6th	6th
Time G.M.T.	1000	1215
Sea °F.	58	62
Air °F	60	67

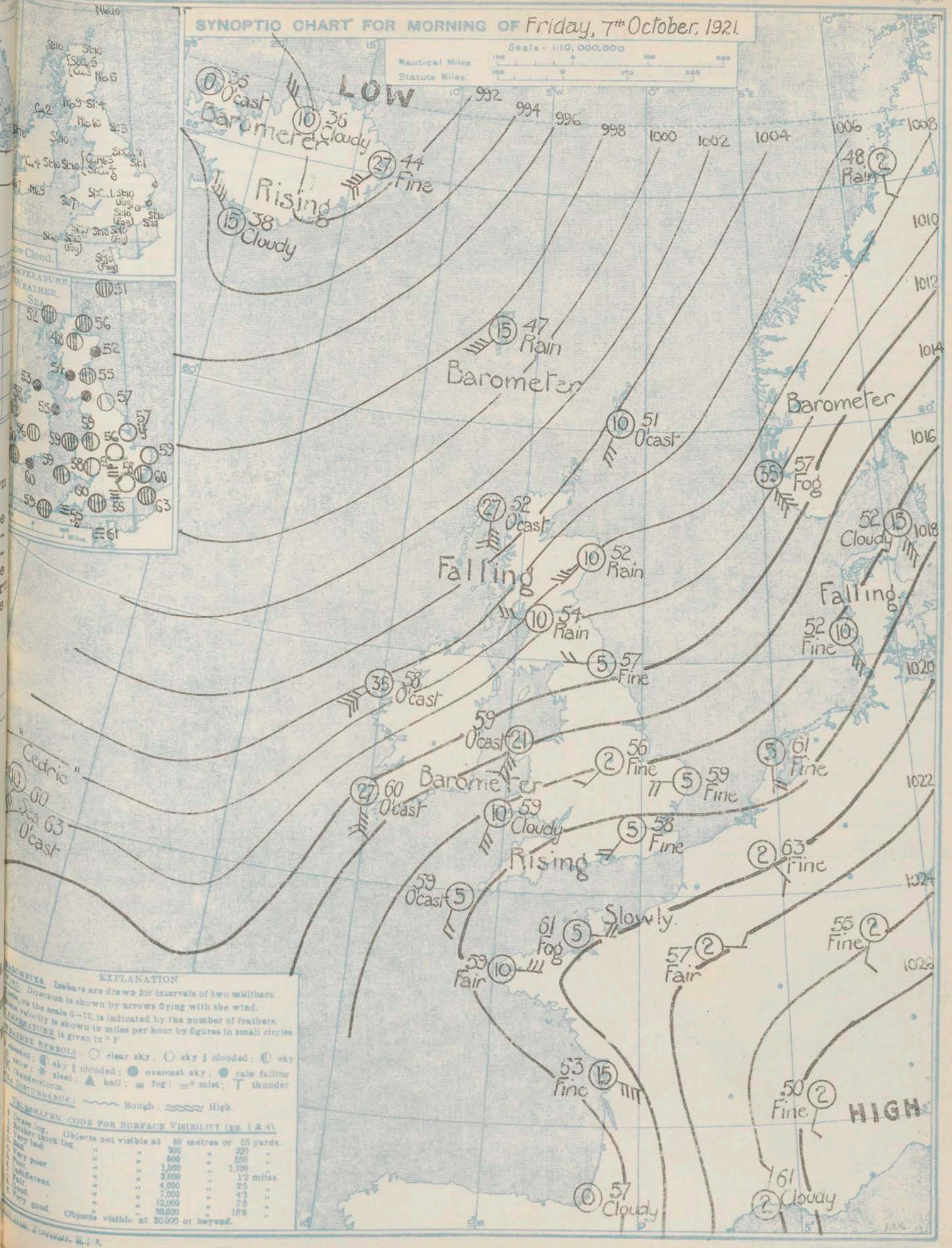
GENERAL INFERENCE.

Our Southern and South-Eastern districts will probably continue fair under the influence of the anticyclone on the Continent, but some rain or showers will be experienced in the most Northern and North-Western districts owing to depressions moving North-Eastward, on the Atlantic.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 7th October, 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind South-Westerly, light to moderate; fair; temperature lower than of late, but high for time of year; visibility fair or good.	
5. S.W. England 6. South Wales	South-Westerly winds, light or moderate; fair or cloudy, fog locally on coast; rather warm.	
7. North Wales 8. N.W. England	Wind South-Westerly, moderate or fresh; cloudy, some showers; visibility fair; rather warm.	
9. N. Midlands 10. N.E. England	South-Westerly winds, light or moderate; variable sky; visibility fair; rather warm.	
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 between South and South-West, veering later, moderate or fresh generally, stronger at times locally. Much cloud, some rain or showers, fairer intervals; mild.	Continuing fair in the S and S.E. but less warm than of late. Some rain or showers in the N. and N.W.
19. S.E. Ireland 20. S.W. Ireland	Same as 9 & 10.	

R.S.

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


SYNOPTIC CHART FOR MORNING OF Friday, 7th October, 1921.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
Barometer
Rising
Falling
Slowly
HIGH
"Cedric"
Sea 63 O'cast
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind.
Force, on the scale 0—12, is indicated by the number of feathers.
Wind velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in ° F.
WEATHER SYMBOLS: clear sky; sky ½ clouded; sky clouded; sky clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Thicker thick fog. " " 200 " 220 "
2 Very bad. " " 500 " 550 "
3 Very poor. " " 1,000 " 1,100 "
4 Poor. " " 2,000 " 1·2 miles.
5 Indifferent. " " 4,000 " 2·5 "
6 Fair. " " 7,000 " 4·3 "
7 Good. " " 12,000 " 7·5 "
8 Very good. " " 20,000 " 18·6 "
9 Objects visible at 20,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION FRIDAY, 7TH OCTOBER 1921. No. 280.

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	1009·9	+1	W	3	b-	49	92	7	-	-	0	aSr	2	*
Stornoway	1009·3	-2	W	1	0	*	*	6	*	*	*	*	*	*
Wick	1008·4	-1	SW	2	c	52	97	8	5750	SrCu	8	-	8	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1010·3	0	SSW	2	c+	54	97	8	5750	SrCu	8	-	8	*
Renfrew	1012·0	0	-	0	c-	50	97	8	5750	SrCu	4	aSr	8	*
Inchkeith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1012·0	0	SW	2	o/r	57	97	7	1500	Sr	10	-	10	*
Tynemouth	1012·7	0	-	0	mmb	58	92	5	-	-	0	aSr	3	*
Blacksod Point ...	1009·3	-3	SSW	2	or	55	85	7	2500	Sr	10	-	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1013·7	0	-	0	b	53	97	8	-	-	*	-	0	*
Holyhead	1014·2	+1	SSW	5	o/r	*	*	7	800	Sr	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex. Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1013·0	0	W	2	o/f	58	97	4	4000	SrCu	10	-	10	*
Spurn Head	1013·5	0	SSW	3	b	60	92	8	-	-	0	-	0	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1014·4	0	WSW	2	b	61	92	6	-	-	0	-	0	*
Gorleston	1016·6	0	SW	1	b	60	92	7	-	-	0	-	0	*
Pulham	1016·8	0	S	3	b	61	92	7	-	-	0	-	0	*
Felixstowe														*
Valencia (Cahirciveen)	1013·2	0	S	2	o+	58	85	5	-	SrCu	9	-	9	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1016·5	-1	SW	3	ffo	59	97	1	2150	Sr	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1016·5	0	SW	3	b	61	85	8	-	-	0	-	0	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1017·3	+1	-	0	b	61	92	7	-	-	0	-	0	*
Scilly (St. Mary's) ...	1016·4	0	SW	1	b	59	97	8	-	-	0	-	0	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1017·5	+2	NNE	1	0	59	97	6	2150	Sr	10	-	10	*
Portland Bill	1017·4	+3	SW	2	fo	60	85	2	225	Sr	10	-	10	*
Calshot	1016·9	+1	SW	3	o/f	63	97	8	-	-	0	aSr	10	*
Dungeness	1017·1	+1	W	2	b	62	97	7	-	-	0	-	0	*
Jersey 7h } Guernsey 1h }	1017·8	+3	WSW	3	fo+	63	97	0	2150	Sr	10	-	10	*

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
Lerwick	1005·9	-8	SSW	3	0	51	97	7	-	MB	10	-	10
Stornoway	1002·7	-5	S	6	0	52	92	6	450	Sr	10	-	10
Wick	1005·1	-3	SW	3	o/r	51	97	8	800	Sr	10	-	10
Castlebay	1004·3	-4	SW	5	or r.	53	97	5	800	NB	10	-	10
Nairn	1005·1	*	-	0	c+	48	92	8	4000	SrCu	8	-	8
Aberdeen	1008·3	-3	SW'S	3	opr.	52	92	6	2500	MB	5	aSr	10
Malin Head	1005·7	-6	SSW	3	or.	53	97	8	4000	Cu	2	CiSr	10
Renfrew	1010·0	-2	W	3	or.	54	85	8	2500	MB	9	aSr	10
Inchkeith	1009·4	-3	WSW	3	o+	55	85	8	-	Sr	4	aSr	10
Eskdalemuir	1011·0	-1	SW'S	5	or.	55	92	7	450	MB	10	-	10
Tynemouth	1011·9	-1	W	2	b	57	92	5	2500	Sr	3	-	3
Blacksod Point ...	1006·9	-3	SW	7	o/r	58	85	7	450	Sr	10	-	10
Donaghadee	1011·7	-1	SW	1	opr.	55	97	8	2500	Sr	10	-	10
Birr Castle	1011·9	*	S	2	c-	56	97	8	2500	Cu	4	aCu	7
Baldonnell	1012·4	+1	SW'S	4	od.	58	92	5	800	Sr	10	-	10
Holyhead	1013·8	-1	SSW	5	o	59	97	7	225	Sr	10	-	10
Liverpool (Bidston) ...	1014·6	+1	SW'S	2	c+	59	85	8	4000	SrCu	7	-	7
Manchester (Alex. Pk.)	1015·6	+2	S	3	o	58	85	8	1500	Sr	10	-	10
Howden	1014·1	0	SSW	2	fo-	56	97	3	4000	SrCu	4	aSr	9
Spurn Head	1015·0	+2	SSW	3	imb	57	65	4	1500	Sr	1	-	1
Nottingham	1016·3	*	SW	1	b	56	97	4	-	-	0	-	0
Cranwell	1016·2	+1	WSW	3	b	57	97	6	-	-	0	aCu	3
Gorleston	1016·8	0	W	2	b	59	92	7	-	-	0	-	0
Pulham	1016·7	0	SW'S	1	b	58	97	7	-	-	0	-	0
Felixstowe	1017·9	+1	SW'W	2	mmb	59	92	5	-	-	0	CiSr	1
Valencia (Cahirciveen)	1012·7	+1	S	5	o+	60	85	8	800	Sr	7	aSr	10
Roches Point	1014·9	0	SW	4	or.	60	97	6	1500	MB	9	-	9
Pembroke (St. Ann's H.)	1017·0	+1	SSW	3	o/f	59	97	8	2500	Sr	7	-	7
Ross-on-Wye	1017·5	+2	SW'SW	1	bc-	58	92	6	4000	SrCu	1	aCu	3
Benson	1018·7	+3	SW	1	ffo	56	97	3	-	Sr	10	-	10
S. Farnborough ...	1019·0	+3	-	0	ffo	55	97	2	2150	Sr	10	-	10
London (Kew Obsy.) ...	1018·7	+2	SW	2	b-	58	92	6	-	-	0	aCu	1
Croydon	1018·6	+2	SSW	2	bc	58	92	7	-	-	0	aCu	4
Clacton-on-Sea ...	1017·4	+2	W	2	bc	60	92	6	-	-	0	Ci	5
Shoeburyness	1018·2	+2	SW	1	mb-	61	85	4	-	-	0	-	0
Grain	1018·4	+3	-	0	bc	60	97	6	-	-	0	Ci	4
Lympne	1019·0	+3	W	2	o	61	97	6	450	Sr	10	-	10
Scilly (St. Mary's) ...	1017·3	0	SSW	2	mo-	59	97	4	800	Sr	10	-	10
Falmouth	1018·5	+2	SW	1	Ffo	55	97	1	450	Sr	10	-	10
Plymouth	1018·6	+1	NE	1	mot	57	97	4	2150	Sr	10	-	10
Portland Bill	1018·1	+1	SW	2	mo-	60	85	6	2150	Sr	10	-	10
Calshot	1019·1	+2	-	0	fot	57	97	2	225	Sr	10	-	10
Dungeness	1019·6	+3	W	3	o+	63	92	7	800	Sr	10	-	10
Jersey 7h } Guernsey 1h }	1019·7	0	E	2	ffo	61	97	3	1500	Sr	10	-	10

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 6TH OCTOBER

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 5th-6th mm.	Rainfall.† Day 9h.-17h. 6th mm.	Sunshine. Sunrise to 17h. 6th hr.	Sunshine. Sunrise to Sunset. 5th hr.
Banff	co	oy	67	56	-	4	0·8	6·7
Montrose	c	co	67	54	-	-	2·9	0·0
Llandudno	bc	bcc	72	60	-	-	3·1	7·3
Colwyn Bay ...	b	b	73	61	-	-	3·3	9·5
Rhyl	bcb	bcc	72	60	-	-	4·1	8·6
Southport	wcbc	bcco	74	57	-	-	5·3	7·9
Blackpool	c	o	71	59	-	-	4·0	8·6
Harrogate	bc	bc	72	53	0·2	-	6·6	0·0
Skegness	b	b	72	58	-	-	8·1	5·6
Aberystwyth ...	ocb	bco	71	59	-	-	5·3	6·3
Bath	b	b	80	57	-	-	8·6	8·9
Leamington Spa ...	bc	bc	79	54	-	-	8·5	8·0
Lowestoft	b	b	68	61	-	-	9·3	5·2
Felixstowe	bm	bm	68	62	-	-	9·7	7·2
Southend	b	b	79	62	-	-	9·0	8·8
Paignton	wfbc	bcm	69	54	-	-	5·5	8·7
Ilfracombe	b	bbcco	69	61	-	-	8·6	8·1
Bude	wbcb	bbcco	73	56	-	-	6·8	7·7
Penzance	ofc	occ	67	56	1	-	2·8	5·3
Torquay	fcb	bf	70	56	-	-	4·0	8·8
Weymouth	b	b	73	58	-	-	8·3	9·5
Bournemouth ...	b	b	73	57	-	-	9·0	10·2
Portsmouth (S'thsea)	b	b	72	60	-	-	9·6	9·9
Worthing	b	b	71	62	-	-	10·2	10·3
Brighton	b	b	71	64	-	-	9·1	9·4
Eastbourne ...	b	b	69	55	-	-	9·7	9·5
Hastings	b	b	70	62	-	-	9·8	10·0
Folkestone	b	b	74	59	-	-	9·2	9·6
Tunbridge Wells ...	b	b	81	58	-	-	9·5	9·4
Ramsgate	b	b	76	60	-	-	9·4	8·8
Margate	b	b	75	61	-	-	9·8	9·4
Deal	b	b	76	60	-	-	10·0	10·0

* 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.21,870 Saturday, 8th October 1921.

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	1001·0	-6	SW'S	3	oroTo	51	97	7	7250	Nb	10	-	10	*
Stornoway	1001·5	+1	NNW	5	c/T	54	85	6	4000	Cu	7	-	7	*
Wick	999·4	-6	SSW	5	c/T	55	92	9	1500	St	4	Ci	8	*
Castlebay	1005·1	+5	NW	4	o/r	53	92	7	4000	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1004·1	-4	SW	4	c-	58	75	8	4000	StCu	1	ACu	5	*
Malin Head	1006·7	+4	W	3	o/T	58	97	7	800	St	10	-	10	*
Renfrew	1007·8	-2	SSW	4	odod	57	92	6	800	Nb	10	-	10	*
Inchkeith	1006·5	-3	WSW	5	o/T	58	85	8	*	St	10	-	10	*
Eskdalemuir	1010·0	-1	SW	5	oTT	55	92	5	450	Nb	10	-	10	*
Tynemouth	1009·7	-2	W	4	o	65	75	7	4000	Nb	10	-	10	*
Blacksod Point	1009·8	+4	W	3	o	60	97	4	450	St	10	-	10	*
Donaghadee	1011·1	0	SW	3	o/T	60	85	8	2500	St	10	-	10	*
Birr Castle	1012·8	*	SW	3	oroTo	61	92	6	450	St	10	-	10	*
Baldonnell	1013·1	+1	SW	4	o	63	75	6	800	St	10	-	10	*
Holyhead	1014·0	*	SSW	5	o	61	92	7	450	St	10	-	10	*
Liverpool (Bidston)	1014·0	-1	SW	4	o+	64	75	8	2500	StCu	10	-	10	*
Manchester (Alex.Pk.)	1014·9	-1	SSW	3	o	65	75	9	800	StCu	10	-	10	*
Howden	1013·9	-2	SW'S	4	o	66	75	6	4000	StCu	10	-	10	*
Spurn Head	1014·5	-1	SW	5	o	65	85	7	4000	StCu	9	-	9	*
Nottingham	1015·8	*	SW	3	o+	68	75	7	2500	CuNb	7	CiCu	9	*
Cranwell	1016·6	-1	SW	5	o	68	75	8	2500	Cu	3	CiSt	10	*
Gorleston	1015·2	+2	W'N	3	b+	72	65	8	5750	Cu	1	CiSt	3	*
Pulham	1017·3	0	SW	4	bc+	73	75	8	4000	Cu	1	CiSt	6	*
Felixstowe	1018·9	0	SSW	3	b	72	55	8	-	-	0	CiSt	1	*
Valencia (Cahirciveen)	1014·7	+2	SSW	4	orr	60	97	6	450	St	10	-	10	*
Roches Point	1016·8	+1	SW	4	o	63	85	8	1500	StCu	10	-	10	*
Pembroke (St. Ann's H.)	1018·3	+1	WSW	3	o	60	97	8	800	St	10	-	10	*
Ross-on-Wye	1017·3	0	SW'W	4	co	68	65	8	4000	Cu	1	CiSt	8	*
Benson	1018·1	-2	SW	4	bc	72	65	9	-	-	0	CiSt	5	*
S. Farnborough	1018·8	0	W'S	2	c+	74	45	8	-	-	0	CiSt	7	*
London (Kew Obsy.)	1018·5	-3	SW	4	bo/f	73	55	9	-	-	0	Ci	5	*
Croydon	1018·7	-2	WSW	3	bc+	76	45	9	4000	Cu	1	CiSt	6	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1018·7	+1	SW	1	b+	75	55	7	-	-	0	ACu	2	*
Grain	1019·6	+1	SW	2	b	75	55	8	-	-	0	Ci	3	*
Lympne	1019·8	+2	SW'S	4	bc	71	65	8	800	St	1	CiSt	5	*
Scilly (St. Mary's)	1019·1	+1	SSW	2	fo	62	92	3	225	St	10	-	10	*
Falmouth	1019·8	0	S	2	mo-	60	97	4	225	St	10	-	10	*
Plymouth	1019·7	0	-	0	fo+	58	97	3	<150	St	10	-	10	*
Portland Bill	1022·2	+4	SW	2	fo+	62	85	3	<150	St	10	-	10	*
Calshot	1019·9	-1	SSW	2	c/f	65	85	8	1500	St	1	Ci	8	*
Dungeness	1020·4	+1	SW	4	bc	65	85	8	1500	St	3	Ci	5	*
Jersey	1020·2	0	E	2	b/f	71	65	8	-	-	0	-	0	*

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	1001·3	-4	NW	4	bc/r	48	92	8	-	Nb	6	-	6	3
Stornoway	1008·4	+5	NW	2	o+	50	85	6	2500	Nb	9	-	9	1
Wick	1006·0	+5	NW	2	c/r	51	92	8	800	St	8	-	8	0
Castlebay	1010·7	+3	SSW	3	o-	53	75	8	7250	Cu	10	-	10	3
Nairn	1007·8	*	-	0	bc-	53	75	8	5750	StCu	2	CiCu	5	*
Aberdeen	1007·9	+8	NW'W	4	c+	56	85	8	2500	StCu	6	CiCu	7	0
Malin Head	1011·7	+5	WSW	3	o	54	92	8	2500	StCu	10	-	10	3
Renfrew	1011·4	+6	SW	2	o	55	92	8	1500	Nb	7	ASt	10	*
Inchkeith	1008·3	+5	W	5	o+	57	85	8	-	StCu	6	ACu	10	4
Eskdalemuir	1011·2	+2	SW	4	odod	56	97	6	450	Nb	10	-	10	*
Tynemouth	1010·7	+1	SW	3	o	62	85	7	-	-	0	ASt	10	2
Blacksod Point	1012·2	+4	SW'W	2	mo	56	97	6	450	St	10	-	10	1
Donaghadee	1012·3	+3	WSW	2	o	61	85	8	2500	St	10	-	10	0
Birr Castle	1013·9	*	W	1	od	61	85	6	450	St	10	-	10	*
Baldonnell	1014·6	+3	SW	4	od+	61	85	8	1500	St	10	-	10	*
Holyhead	1015·0	+2	SW'S	4	o	60	97	8	1500	St	10	-	10	4
Liverpool (Bidston)	1015·1	+2	SW'W	5	ov	62	75	9	1500	St	10	-	10	6
Manchester (Alex.Pk.)	1015·4	+1	WSW	3	o	62	75	7	1500	St	2	ASt	10	*
Howden	1014·4	+2	WSW	4	o	64	75	6	2500	St	7	ASt	10	*
Spurn Head	1014·9	0	WSW	4	o	61	92	8	4000	StCu	3	ASt	10	3
Nottingham	1016·1	*	WSW	2	o+	65	75	6	1500	StCu	8	CiSt	10	*
Cranwell	1016·3	0	WSW	4	o	65	85	8	2500	StCu	10	-	10	*
Gorleston	1017·7	0	WSW	3	o+	67	75	8	-	-	0	ACu	10	0
Pulham	1017·4	0	SSW	1	o+	66	85	6	-	-	0	CiSt	10	*
Felixstowe	1018·5	0	SW	3	bc	66	75	8	-	-	0	CiSt	6	1
Valencia (Cahirciveen)	1016·0	+2	SSW	3	o	61	97	7	450	St	10	-	10	4
Roches Point	1017·4	+2	SW	4	o	61	92	6	800	St	10	-	10	6
Pembroke (St. Ann's H.)	1018·5	0	SW	4	c	59	97	8	-	-	0	ASt	8	4
Ross-on-Wye	1018·0	+1	WSW	3	c	62	85	7	-	-	0	Ci	7	*
Benson	1018·5	+2	SW	3	c+	65	75	8	-	-	0	CiSt	7	*
S. Farnborough	1019·1	+1	SW	1	o	~~58~~ 61	85	8	-	-	0	CiSt	10	*
London (Kew Obsy.)	1018·9	+2	SW	2	o+	67	65	8	-	-	0	ASt	10	*
Croydon	1019·1	+1	SW	3	o+	64	75	8	-	-	0	CiSt	9	*
Clacton-on-Sea	1018·4	0	SW	3	c+	67	75	8	-	-	0	ASt	7	0
Shoeburyness	1019·2	+2	SW	2	bc+	67	65	7	-	-	0	ASt	5	*
Grain	1019·0	+2	-	0	bc-	65	75	8	-	-	0	Ci	6	0
Lympne	1020·4	+2	S'W	4	Fo	58	97	1	<150	St	10	-	10	*
Scilly (St. Mary's)	1019·9	0	SSW	1	Fo+	58	97	1	225	St	10	-	10	1
Falmouth	1020·0	0	SSE	1	Fo+	57	97	1	-	St	10	-	10	*
Plymouth	1019·7	0	S	1	mo-	57	97	6	<150	St	6	CiSt	10	0
Portland Bill	1020·3	-3	SW	3	mo-	60	85	4	<150	St	10	-	10	3
Calshot	1020·1	+1	SW'S	2	o	60	97	7	450	St	10	-	10	0
Dungeness	1020·1	0	SW	3	ifo	60	97	4	800	St	10	-	10	4
Jersey	1019·5	0	E	2	b	72	65	8	-	-	0	Ci	1	0

LONDON OBSERVATIONS. 24 Hours ended 0900 G.M.T. 8th (Weather, Temperature, Rainfall); Sunshine: Yesterday; Humidity 15h. G.M.T.: Yesterday, 9h. G.M.T.: 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	bmwomd	bycyo	obcofw	*	*	48	Tr	Tr	5·5	*	*
Croydon {24 hours ended 0700	bcambb	bc.c.o.cy	owb ofc	*	*	43	-	-	9·2	*	*
Greenwich (Royal Obsy.)	bc	bc.o	om	80	53	45	-	-	8·9	47	92
City (Bunhill Row)	*	*	*	*	*	*	*	*	6·6	*	*
Westminster (St. James' Pk.)	*	*	*	76	55	50	-	-	6·6	57	92
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	5·5	*	*
Camden Sq. (Brit. Rainfall)	o.c	bc	*	77	55	52	-	-	*	48	91
Kensington Palace	c	c	*	76	55	51	-	-	*	64 (18h)	96
Hampstead Observatory	*	*	*	73	54	47	-	-	5·2	*	100

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards. 24 Hr. ended 1800 G.M.T. 7th

	Max.	Time.	Min.	Time.
South Kensington	½ / ½	1900 6th / 1100 7th	<½	2400 6th / 0200 7th
Kew Observatory	0·4 / 0·4	2000 6th / 0700 7th	0·2	2300 6th

SOLAR RADIATION. Vertical component per square centimetre: During yesterday. South Kensington. Total .... joules. Average Rate .... Milliwatts. Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy. Exposure from 7th 18 h. 30 m. to 8th 05 h. 00 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	10.30	9.28	90
δ Ursae Minoris	10.30	7.18	70

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 8th and 9th October 1921

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·8 / 6·9	11·41 / 11·40	5·14 / 5·11
Greenwich	6·14 / 6·15	11·48 / 11·47	5·22 / 5·20
Wick	6·35 / 6·37	12·0 / 11·59	5·25 / 5·22
Valentia	6·55 / 6·56	12·29 / 12·28	6·3 / 6·0

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1-3	0·3-1·5
2	4-7	1·6-3·3
3	8-12	3·4-5·4
4	13-18	5·5-7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

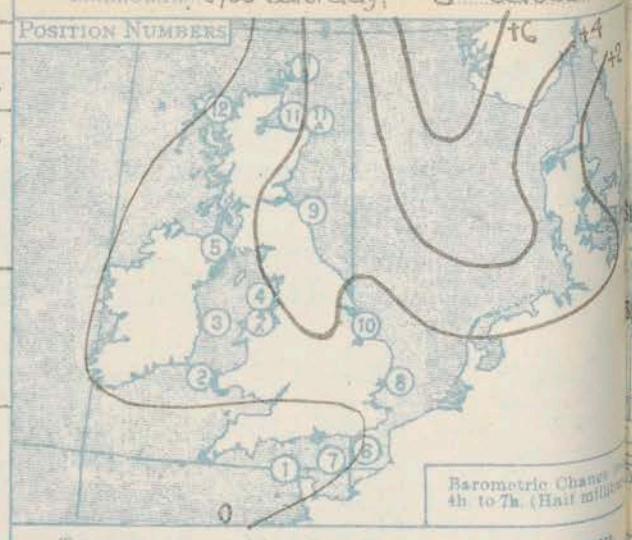
* Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 7h.	13h.-18h. 7h.	18h.-7h. 18h.	7h. to 8h.	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	r or d	RR	c	c	51	46	•	9	–	<0800	–	•
Stornoway	r or d	c	b or bc	oo	57	50	•	1	2	–	–	2.5
Wick	o i r₀ q	o i r₀	b or bc	oo	56	46	•	1	2	<0800	0130	•
Castlebay	r r o	oo	o bco	o r n d	53	51	•	0.2	3			0.2
Nairn	c	c	b or bc		61	45	•	–	5	–	0330	2.9
Aberdeen	p₀ bcq	bcq c	c		60	46	38	2	–	–	–	1.0
Malin Head	o p₀	o o p.	oo	c	58	53	•	0.2	–	<2100	–	0.0
Renfrew	o r d d₀	oo	c	bc.c.o	59	47	39	2	–	<0800	–	0.0
Inchkeith	r o r d	oo	b or bc		59	52	49	0.1	–	–	–	•
Eskdalemuir	r₀	r o r d	oo	oo	56	51	48	8	trace	<0800	–	0.0
Tynemouth	oo i m	oo i m	c i m	c i m	66	58	•	–	–	–	–	•
Blacksod Point	r o r d	r o r d	f or m	oo	60	54	•	2	trace	<0800	<2100	•
Donaghadee	o m p	o g	o m	c g w	61	56	•	0.3	0.1	<0800	–	•
Birr Castle	o r	o i r₀	g c p r		~~55~~ 62	58	50	0.5	0.3	1230	<2100	0.5
Baldonnell	oo	o o i d₀	o. c. b	c	64	58	56	trace	0.6	1330	<2100	0.1
Holyhead	oo	o D o	o c t b r o	o i r₀	61	58	58	0.3	0.4	1330	–	0.0
Liverpool (Bidston)	c	c	c		65	58	53	–	0.1	–	0630	0.1
Manchester (Alex.Pk.)	oo	oo 1 2	o m o d₀ d₀ m		65	58	55	–	trace	–	0630	•
Howden	c	oo	oo	oo	67	59	45	–	–	–	–	2.5
Spurn Head	b or bc	c	oo	c	68	58	•	–	–	–	–	4.4
Nottingham	c	oo	p₀	c	69	57	53	–	0.2	–	<2100	3.8
Cranwell	c	oo	c	oo i m	68	57	54	–	–	–	–	5.5
Gorleston	b or bc	c	b or bc	c	73	58	56	–	–	–	–	7.3
Pulham	b or bc	c	b or bc	c	73	59	52	–	–	–	–	7.3
Felixstowe	b or bc	b or bc		f or m	73	56	53	–	–	–	0430	8.0
Valencia (Cahirciveen)	o v r	o w r d	f or m	o r d	61	60	59	3	1	1230	<2100	0.0
Roches Point	p₀ o	oo	oo		64	60	•	0.3	0.1	<0800	–	•
Pembroke (St.Ann's H.)	oo	oo	oo	oo 61	~~59~~	57	•	–	–	–	–	0.0
Ross-on-Wye	bc b bcc	c bcc	c. b. bc	bc b w e i m	70	55	47	–	–	–	–	7.7
Benson	b or bc	b or bc	oo		73	52	45	–	–	–	–	•
S. Farnborough	b or bc	c	F		75	50	42	–	–	–	–	7.1
London (Kew Obsy.)	b m l o m d	b y c y o	o. bc	bc f w o f i	74	55	48	trace	trace	–	–	5.5
Croydon	b c a m b o y	b c c c y o	o w. b	n i m e f e r	76	51	43	–	–	–	–	9.2
Clacton-on-Sea	bcz	c	c. bcz	bcz c m	71	55	52	–	–	–	–	8.4
Shoeburyness	b or bc	b or bc	f or m		77	55	44	–	–	–	–	8.8
Grain	b or bc	c	f or m		77	49	43	–	trace	–	–	8.9
Lympne	b or bc	b c o m f e	o. c. bc b f e m w m	b. bc o w m w	72	53	41	–	0.1	–	–	7.3
Scilly (St. Mary's)	oo	F	FE	FE	62	52	•	–	0.4	–	–	0.0
Falmouth	o m	c f e	FFE	FFE	67	49	46	–	0.3	–	–	0.9
Plymouth	F	r o r d	F	F	60	47	?	trace	0.1	1430	–	0.0
Portland Bill	F	f or m	F	F	62	55	•	–	–	–	–	•
Calshot	F	oo	F	F	67	~~55~~	~~49~~ 52	–	–	–	–	3.9
Dungeness	c	i F	i F F	F F	67	52	•	–	–	–	–	•
Jersey	o f e b	b	f or m	b. o w m	76	55	•	–	–	–	–	8.3

ISALLOBARS 0700 Saturday, 8th October



Temperature reported from Cross Channel and Coastal Steamers

Position Number	7	6	3
Date	7th	7th	7th
Time G.M.T.	0030	0300	1015
Sea ° F.	63	62	59
Air ° F.	64	64	60

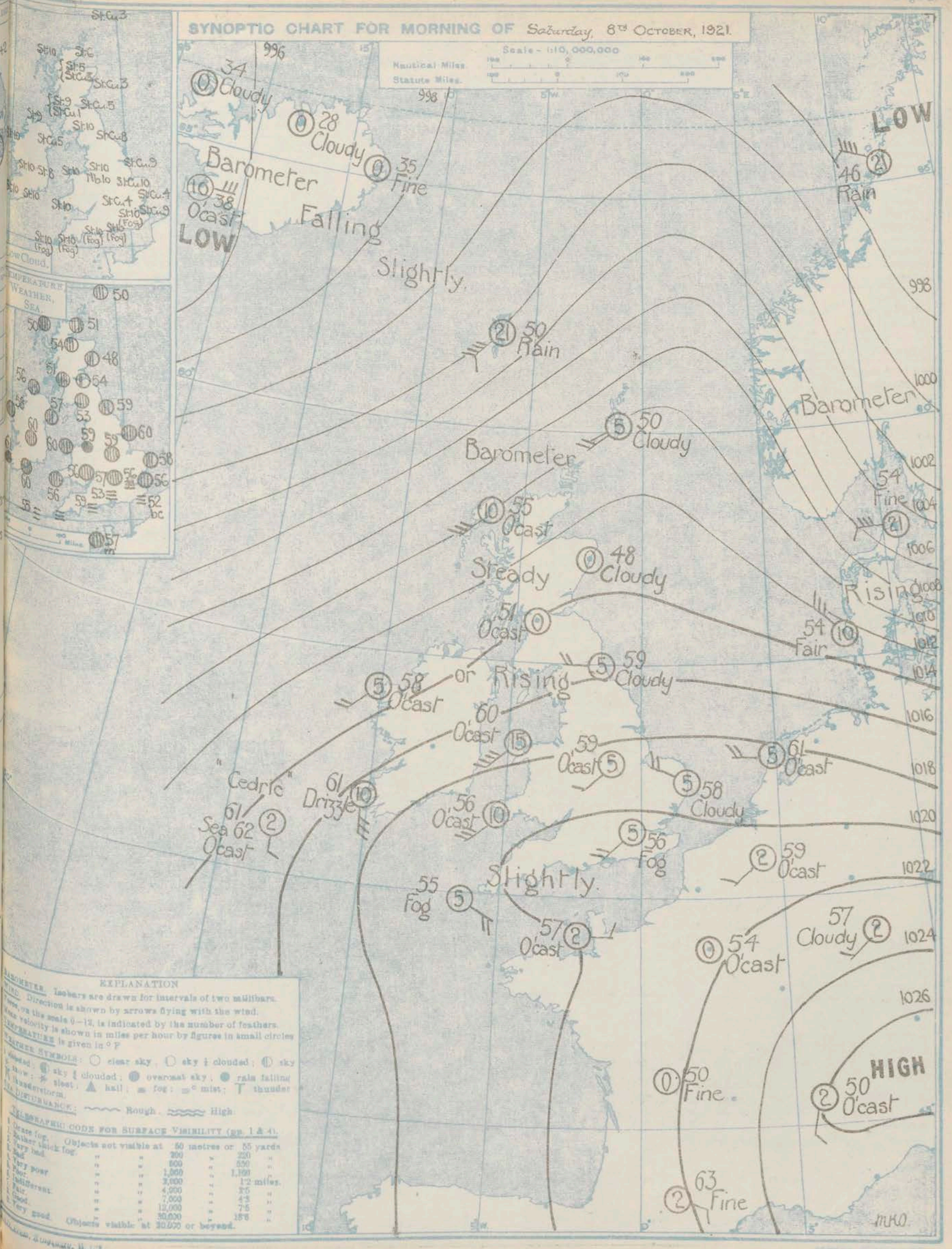
GENERAL INFERENCE.

Pressure is highest to the South-Eastward of these Island & as there is no important dépression in the vicinity of the British Isles fair weather is likely to continue, especially in the South and East.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 8th October 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind light, mainly between South and South-West, but varying locally; fair generally, mist or fog at night and in early morning, visibility otherwise fair; temperature rather high during day, cool at night.	Continuing fair and rather warm in the East and South; some showers and much cloud in the North and West.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland	Wind South-Westerly, light; fair or cloudy; local mist or fog at night and in early morning but visibility mainly fair; temperature continuing rather high.	
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 between South and South-West, light or moderate; sky variable, some local showers in the West and North; visibility mainly fair, but coastal fog locally; moderate temperature.	

R.S.

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


SYNOPTIC CHART FOR MORNING OF Saturday, 8th OCTOBER, 1921.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
Barometer Falling Slightly
LOW
Barometer Rising or Steady
Barometer Falling Slightly
HIGH
"Cedric"
Sea
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 ½ clouded; sky clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough. High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (gr. 1 & 4).
0. Dense fog. Objects not visible at 50 metres or 55 yards
1. Rather thick fog. " " 200 " 220 "
2. Very bad. " " 500 " 550 "
3. Very poor. " " 1,000 " 1,100 "
4. Poor. " " 2,000 " 1·2 miles.
5. Indifferent. " " 4,000 " 2·5 "
6. Fair. " " 7,000 " 4·3 "
7. Good. " " 12,000 " 7·5 "
8. Very good. Objects visible at 30,000 or beyond. " " 30,000 " 18·6 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. SATURDAY, 8TH OCTOBER 1921. No. 281

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	1008.5	+4	WSW	2	o+	48	85	7	–	StCu	10	–	10	*
Stornoway	1011.3	+2	–	0	bc-	*	*	6	*	*	*	*	*	*
Wick	1010.7	+3	SW	1	c+	49	92	9	800	St	3	aSt	8	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1012.8	0	WSW	2	c-	53	97	8	4000	StCu	7	–	7	*
Renfrew	1014.8	+3	SW	1	bc-	50	92	8	4000	StCu	5	-	5	*
Inchkeith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1014.6	+2	WSW	4	o	54	85	7	1500	St	10	–	10	*
Tynemouth	1013.9	+3	W	1	o+	60	92	7	2500	St	3	aSt	10	*
Blacksod Point ...	1013.8	+2	SW	5	o|f	57	97	7	450	St	10	–	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1015.8	0	SW'S	2	b	60	92	8	5750	StCu	1	-	1	*
Holyhead	1016.5	+1	SW	5	o	*	*	7	800	St	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex. Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1016.3	+1	SSW	1	o	59	85	5	2500	St	5	aSt	10	*
Spurn Head	1016.6	+1	W	3	bc-	60	92	8	2500	St	4	-	4	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1017.4	+1	WSW	3	bc	59	92	6	2500	StCu	6	-	6	*
Gorleston	1018.6	+1	WNW	2	c+	62	85	9	-	-	0	aSt	7	*
Pulham	1017.9	0	WSW	2	bc	61	92	7	4000	StCu	5	-	5	*
Felixstowe														*
Valencia (Cahirciveen)	1016.6	+2	ME	1	ffo	60	97	2	–	St	10	–	10	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1019.5	0	SW	3	o	55	97	8	800	St	10	–	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1020.0	+1	SW'S	1	b-	55	92	8	–	–	0	–	0	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1020.5	0	–	0	b|f	55	97	6	–	–	0	–	0	*
Scilly (St. Mary's) ...	1019.6	0	-	0.	FFO	54	97	0	450	St	10	–	10	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1020.1	0	ME	2	FFO	53	97	1	2150	St	10	-	10	*
Portland Bill	1020.3	0	SW	2	fo-	59	85	2	2150	St	10	–	10	*
Calshot	1020.8	0	-	0	fo+	57	97	2	225	St	10	–	10	*
Dungeness	1020.1	0	SW	3	b|f	59	97	7	-	-	0	–	0	*
Jersey 7h. / Guernsey 1h. ...	1020.6	0	NNE	1	bc	60	97	8	-	-	0	–	0	*

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
Lerwick	1010.7	+3	SW	2	c-	50	85	8	-	StCu	3	aSt	8
Stornoway	1009.6	+1	SW	3	o	55	97	7	800	St	10	–	10
Wick	1010.7	0	SSW	1	o	51	97	8	1500	St	6	aSt	10
Castlebay	1011.7	+1	NW	4	od	55	97	6	2500	St	10	–	10
Nairn	1011.4	-	–	0	c+	54	85	8	1500	St	8	–	8
Aberdeen	1013.3	+1	-	0	c	48	92	7	4000	StCu	3	aCu	7
Malin Head	1013.1	0	SSW	1	o+	56	97	8	1500	St	9	–	9
Renfrew	1015.0	0	–	0	o	51	97	8	1500	St	10	–	10
Inchkeith	1013.3	+2	W	4	bc-	54	85	8	-	StCu	5	–	5
Eskdalemuir	1016.1	+2	S'W	2	o	53	97	7	225	St	10	–	10
Tynemouth	1015.3	+2	W	1	c	59	92	7	5750	StCu	8	–	8
Blacksod Point ...	1013.2	0	SW	2	mmo	58	97	7	450	St	10	–	10
Donaghadee	1015.2	+1	–	0	c-	57	92	8	5750	StCu	5	aCu	7
Birr Castle	1016.1	-	SW	1	o	59	92	6	450	St	10	–	10
Baldonnell	1016.5	+1	SW	2	o+	60	92	7	800	St	8	aCu	9
Holyhead	1017.2	+1	SW	4	o	60	97	7	225	St	10	–	10
Liverpool (Bidston) ...	1017.4	+1	SW	1	od	59	97	4	800	MB	10	–	10
Manchester (Alex. Pk.)	1017.8	+2	SW	2	od	58	92	4	1500	St	10	–	10
Howden	1017.2	+1	SW'S	2	o	59	85	5	1500	St	10	–	10
Spurn Head	1017.8	+1	SW	2	o	60	92	6	4000	StCu	9	–	9
Nottingham	1018.4	-	SW	1	o	59	92	5	2500	StCu	?	aCu	9
Cranwell	1018.7	+2	W'S	3	o	58	92	6	2500	StCu	10	–	10
Gorleston	1019.8	+1	WNW	2	c	58	92	7	7250	StCu	4	aCu	8
Pulham	1019.3	+1	WSW	2	o	59	97	7	-	-	0	CuSt	10
Felixstowe	1020.1	+1	W	2	mmc	57	92	6	-	-	0	CuSt	8
Valencia (Cahirciveen)	1016.6	0	S	3	od	61	97	7	450	St	10	–	10
Roches Point	1018.4	0	SW	1	o	60	97	5	225	St	10	–	10
Pembroke (St. Ann's H.)	1019.7	0	SW	3	o	57	97	8	450	St	10	–	10
Ross-on-Wye	1019.4	+1	SW	2	o+	56	97	5	-	-	0	aCu	9
Benson	1020.3	+1	-	0	o	57	92	5	-	StCu	4	aCu	9
S. Farnborough ...	1020.4	0	-	0	ffo	53	97	2	-	-	0	aCu	10
London (Kew Obsy.) ...	1020.5	+1	SW	2	fo-	56	97	2	2150	St	10	–	10
Croydon	1020.5	+1	SW	1	o+	51	97	5	-	-	0	aCu	10
Clacton-on-Sea ...	1019.7	0	NW	2	c	56	92	5	-	-	0	aSt	7
Shoeburyness	1020.3	0	–	0	mmc	57	92	4	-	–	0	aCu	7
Grain	1020.1	+1	-	0	fo-	56	97	3	7250	StCu	9	–	9
Lympne	1020.7	+1	W	1	c+	54	97	6	-	-	0	CuSt	8
Scilly (St. Mary's) ...	1019.3	0	SE'E	2	FFO	55	97	0	800	St	10	–	10
Falmouth	1020.0	0	–	0	FFO	49	97	1	2150	St	10	–	10
Plymouth	1020.2	0	ME	2	mbc-	47	97	6	2150	St	8	Cu	6
Portland Bill	1020.3	0	SE	1	Fo+	59	85	1	2150	St	10	–	10
Calshot	1020.8	0	–	0	Fo+	55	97	1	225	St	10	–	10
Dungeness	1020.1	0	N	1	Fbc-	52	97	1	-	-	0	CuCu	5
Jersey 7h. / Guernsey 1h. ...	1020.0	0	E	1	mmo	57	85	6	1500	St	10	–	10

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

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 6th-7th mm.	Rainfall.† Day 9h.-17h. 7th mm.	Sunshine. Sunrise to 17h. 7th hr.	Sunshine. Sunrise to Sunset. 6th hr.
Banff	bc	bcp	64	50	2	0.4	1.0	0.8
Montrose	c	c	60	50	2	-	0.1	2.9
Llandudno	co	cdo	65	59	3	0.1	1.2	3.1
Colwyn Bay ...	b	b	66	58	0.7	-	0.9	3.3
Rhyl	co	co	65	58	-	-	0.5	4.1
Southport	oc	oq	64	58	0.4	-	0.6	5.3
Blackpool	o	o	63	58	2	0.1	0.0	4.0
Harrogate	co	cop	65	56	-	0.3	1.2	6.6
Skegness	b	o	69	59	-	-	4.9	8.1
Aberystwyth ...	* oc	cco	65	59	0.3	-	1.0	5.3
Bath	b	bbc	74	55	-	-	3.1	8.6
Leamington Spa ...	c	c	71	55	-	-	5.5	8.5
Lowestoft	b	bco	75	57	-	-	8.9	9.3
Felixstowe	bm	bc	72	59	-	-	8.1	9.7
Southend	b	b	80	59	-	-	8.4	9.0

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 6th-7th mm.	Rainfall.† Day 9h.-17h. 7th mm.	Sunshine. Sunrise to 17h. 7th hr.	Sunshine. Sunrise to Sunset. 6th hr.
Paignton	wb	bc	72	54	-	-	8.8	5.5
Ilfracombe	bbc	bcco	69	58	-	-	8.6	8.6
Bude	wbbc	bbcfc	68	51	-	-	8.2	6.8
Penzance	ofc	cf	64	56	0.2	-	2.4	2.7
Torquay	wbz	bz	69	55	-	-	8.6	4.0
Weymouth	f	f	63	54	-	-	0.0	8.3
Bournemouth ...	fwbbc	bc	67	56	-	-	4.0	9.0
Portsmouth (S'thsea)	b	b	70	59	-	-	6.5	9.6
Worthing	oc	o	64	58	-	-	0.4	10.2
Brighton	o	o	?	58	-	-	0.0	9.1
Eastbourne ...	bcb	bcco	67	59	-	-	6.3	9.7
Hastings	wcbcb	bccof	69	60	trace	-	4.9	9.8
Folkestone	c	c	73	58	-	-	4.7	9.2
Tunbridge Wells ...	b	bbcb	77	58	-	-	7.5	9.5
Ramsgate	b	b	74	58	-	-	8.5	9.4
Margate	b	bc	75	60	-	-	8.5	9.8
Deal	b	b	72	59	-	-	8.9	10.0

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 21,871 Sunday, 9th October 1921. Page 1.

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	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1010·5	0	SW	5	odg+	52	92	3	4000	Nb	10		10	*
Stornoway	1012·1	+1	W	3	c-	56	85	7	4000	Cu	8	-	8	*
Wick	1011·6	+1	SSW	3	o+	55	92	8	3750	StCu	9	-	9	*
Castlebay	1013·8	+1	NW	3	o/r	53	92	8	4000	St	10	–	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1013·1	0	–	0	bc-	59	75	8	–	–	0	A Cu	5	*
Malin Head	1013·4	0	SSW	2	o	60	97	8	1500	St	10	-	10	*
Renfrew	1015·1	0	SSW	3	o	61	85	8	2500	StCu	10	-	10	*
Inchkeith	1016·6	-1	WNW	3	mo	60	85	6	1500	StCu	10	-	10	*
Eskdalemuir	1016·5	0	SW/S	3	oV	61	75	9	1600	StCu	10	-	10	*
Tynemouth	1016·0	+1	W	2	c	61	75	9	2500	St	3	bi ba	7	*
Blacksod Point	1013·8	-1	SW	4	[illegible]	60	97	5	450	St	10	-	10	*
Donaghadee	1016·0	0	SW	1	o+	61	85	8	-	-	0	A St	10	*
Birr Castle	1015·8	*	S	1	o-	66	85	8	4000	Nb	9	-	9	*
Baldonnell	1016·4	-1	WSW	3	c	70	65	8	2500	St	4	A Cu	7	*
Holyhead	1017·2	0	SSW	4	mm	60	97	5	225	St	10	-	10	*
Liverpool (Bidston)	1017·6	0	–	0	ofr	62	92	7	1500	Nb	10		10	*
Manchester (Alex. Pk.)	1017·4	+1	SW	2	o	65	75	8	1500	St	10	-	10	*
Howden	1017·1	-1	W	3	o	66	75	5	2500	StCu	10		10	*
Spurn Head	1017·2	0	WSW	1	o	65	85	8	4000	StCu	10	-	10	*
Nottingham	1018·0	*	W	2	o	67	75	8	4000	Cu	1	A Cu	8	*
Cranwell	1018·6	0	WSW	3	o	66	75	6	2500	Cu	3	A Cu	9	*
Gorleston	1018·8	-1	WSW	1	o	68	75	7	-	-	0	bi St	9	*
Pulham	1018·9	-1	–	0	o	69	85	8	-	-	0	?	9	*
Felixstowe	1020·0	-1	S/E	3	o+	62	85	7	7250	StCu	1	A Cu	9	*
Valencia (Cahirciveen)	1015·6	-2	S/E	4	c/r	61	97	8	800	St	6	A Cu	8	*
Roches Point	1018·6	-1	SSW	2	c+	60	92	8	800	St	4	bi St	7	*
Pembroke (St. Ann's H.)	1019·3	-1	SSE	2	bc-	60	92	6	1500	St	5	-	5	*
Ross-on-Wye	1018·5	-1	SW	3	b-	71	65	6	-	-	0	bi	3	*
Benson	1018·7	-2	SW	2	bc	75	55	8	-	-	0	bi	5	*
S. Farnborough	1019·3	-2	W	3	o/m	76	45	5	-	-	0	bi	9	*
London (Kew Obsy.)	1019·4	-2	SW	2	bc/f	71	55	8	-	-	0	bc, h	5	*
Croydon	1019·1	-2	WSW	2	bc	74	45	8	-	-	0	bi	5	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1019·7	-2	SW	1	m	71	55	4	-	-	0	A Cu	8	*
Grain	1019·5	-1	–	0	c-	73	55	8	-	-	0	A Cu	8	*
Lympne	1020·4	-2	SSE	4	c	68	65	8	-	-	0	A Cu	8	*
Scilly (St. Mary's)	1017·9	-1	ESE	3	ffo	58	97	1	450	St	10	-	10	*
Falmouth	1019·4	-1	ESE	3	f/o	58	97	3	<150	St	10	-	10	*
Plymouth	1019·0	-2	S	3	b-	66	65	9	-	-	0	bo	1	*
Portland Bill	1020·3	0	SE	2	mo	61	85	4	<150	St	10	-	10	*
Calshot	1019·8	-3	SE	2	bcff	64	86	7	-	-	0	bi	4	*
Dungeness	1020·4	0	SW	2	cff	63	85	6	-	-	0	bi	7	*
Jersey	1019·3	0	SE	1	b	67	55	8	-	-	0	bi	3	*

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	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1012·9	+3	W	2	bc	49	92	7	*	Cu Nb	3	bi Cu	6	1
Stornoway	1012·5	0	W	2	o+	57	92	7	450	St	10	-	10	1
Wick	1013·2	+2	WNW	1	ofr	52	97	8	5750	StCu	10	-	10	0
Castlebay	1012·4	-1	–	0	dr	53	92	5	1500	Nb	10	–	10	1
Nairn	1017·7	[illegible]	[illegible]	1	o+	57	85	5	1500	St	9	-	9	*
Aberdeen	1013·9	+1	–	0	c+	55	92	7	4000	StCu	7	A Cu	8	0
Malin Head	1011·2	-2	SSW	3	or	60	97	6	1500	Nb	10	-	10	1
Renfrew	1014·7	0	S	1	o	59	92	8	2500	St	10	-	10	*
Inchkeith	1014·5	+1	WNW	1	ffo	59	85	6	*	St	10	-	10	1
Eskdalemuir	1016·3	0	SW	1	o	57	92	7	450	StCu	10	-	10	*
Tynemouth	1015·7	0	W	1	o	61	92	5	–	–	0	A Cu	9	4
Blacksod Point	1010·3	-3	S	4	or	60	97	6	450	St	10	-	10	2
Donaghadee	1015·1	-2	S	1	c+	60	92	8	5750	StCu	6	A Cu	8	0
Birr Castle	1013·6	*	SE	1	b-	64	92	8	4000	StCu	3	-	3	*
Baldonnell	1014·9	-1	SSW	2	c-	64	85	8	4000	StCu	5	A St	7	*
Holyhead	1016·1	-1	SSW	4	mm	58	97	4	<150	St	10	-	10	1
Liverpool (Bidston)	1016·7	-1	WNW	1	o+	62	85	3	800	St	10	-	10	1
Manchester (Alex. Pk.)	1017·4	-1	–	0	o	63	85	6	800	Nb	10	-	10	*
Howden	1017·0	0	–	0	o	62	85	4	2500	St	10	-	10	*
Spurn Head	1017·2	0	WSW	1	o	64	85	7	4000	StCu	10	-	10	0
Nottingham	1017·7	*	SW	1	o+	65	85	5	2500	StCu	10	-	10	*
Cranwell	1018·1	0	WNW	1	o	63	92	6	2500	StCu	9	-	9	*
Gorleston	1018·3	-1	SW	1	c	63	85	7	-	-	0	bi St	7	0
Pulham	1018·4	0	–	0	o	61	97	7	[illegible]	-	0	A St	9	*
Felixstowe	1019·1	0	SSE	2	mc	61	92	6	-	-	0	bi St	8	0
Valencia (Cahirciveen)	1013·2	-3	S	3	b-	58	92	9	600	St	1	-	1	1
Roches Point	1016·3	-2	SE	2	ffo	67	97	3	<150	St	10	-	10	2
Pembroke (St. Ann's H.)	1017·0	-2	–	0	b	60	92	8	-	-	0	-	0	3
Ross-on-Wye	1017·7	-1	SE	1	bv	68	75	9	-	-	0	bi	2	*
Benson	1018·4	-1	SW	1	bc	62	75	8		-	0	bi	5	*
S. Farnborough	1018·5	-1	–	0	mc	61 ≡	75	5	-	-	0	bi	10	*
London (Kew Obsy.)	1018·5	-1	S	1	b	66	65	8	-	-	0	A St	2	*
Croydon	1019·0	0	SSW	2	o	65	65	8	-	-	0	bi St	9	*
Clacton-on-Sea	1018·7	-1	SE	1	c	63	92	6	-		0	bi St	7	0
Shoeburyness	1018·8	-1	SW	1	m	65	75	4	-	-	0	bi	4	*
Grain	1018·5	-1	–	0	cv	68	55	9	-	-	0	A St	7	0
Lympne	1019·4	0	–	0	c	65	65	8	5750	StCu	3	A Cu	8	*
Scilly (St. Mary's)	1016·0	-2	E/S	3	ffo	57	97	0	800	St	10	-	10	5
Falmouth	1016·7	-5	ESE	2	f/o	58	97	1	*	St	10	-	10	*
Plymouth	1017·3	-1	E	2	b	61	92	8	-	-	0	bi St	2	0
Portland Bill	1018·3	-3	SE/S	3	Fo+	59	80	1	<150	St	10	-	10	0
Calshot	1018·1	-2	ESE	3	Fo	59	97	1	<150	St	10	-	10	3
Dungeness	1019·0	-2	–	0	bc	64	75	6	-	-	0	bi St	5	2
Jersey	1017·5	0	E	2	bc	72	55	7	-	-	0	bi	6	0

London Observations — 24 Hours ended 0900 G.M.T. 9th

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. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew } 24 hours ended 0700	o/wbcy	bcybxy	bcmffw	*	*	41	-	-	5·6	*	*
Croydon } 24 hours ended 0700	oimbcy	bcoy⊕	ocby oim	*	*	45	-	-	7·4	*	*
Greenwich (Royal Obsy.)	o	o ⊕	bbc	79	51	38	-	-	4·9	45	74
City (Bunhill Row)	*	*	*	*	*	*	*	*		*	*
Westminster (St. James' Pk.)	*	*	*								
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*		*	*
Camden Sq. (Brit. Rainfall)	c	b	*	77	51	48	-	-	*	?	77
Kensington Palace	bcc	bc	*	78	53	45	-	-	*	52(18h)	77
Hampstead Observatory	*	*	*			*				*	

Atmospheric Pollution. Lbs. of Solid impurity per million cubic yards. 24 Hrs. ended 1800 G.M.T. 8th

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.
		*	

Solar Radiation. Vertical component per square centimetre. During yesterday.
South Kensington.
Total .... joules
Average Rate .... Milliwatts.
Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.
Exposure from 8th ...... h. ...... m. to 9th ...... h. ...... m.

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

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 9th & 10th October 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·9 / 6·11	11·40 / 11·40	5·11 / 5·9
Greenwich	6·15 / 6·17	11·47 / 11·47	5·19 / 5·17
Wick	6·37 / 6·39	11·59 / 11·59	5·22 / 5·19
Valencia	6·56 / 6·58	12·25 / 12·25	6·0 / 5·58

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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, 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

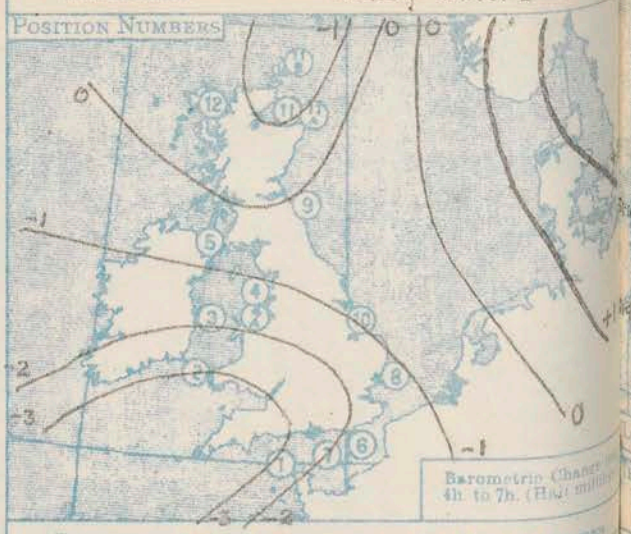
* Information for these columns not usually received. † The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS

STATIONS.	WEATHER. 7h.-13h. 8½	13h.-19h. 8½	18h. 8½ to 1h. 9½	1h.-7h. 9½	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	rd	p	c	r or d	52	46	•	trace	2	<0800	0330	•
Stornoway	oo	c	r or d	r or d	57	50	•	-	15	-	<2100	1·5
Wick	c	rd	oo	c	56	51	•	0·4	-	2·30	-	•
Castlebay	dopo	odd	dRRo	oo	55	51	•	0·4	8			0·0
Nairn	b.bc		c		65	47	•	0·4	-	<0800	-	3·5
Aberdeen	c.bcm	b.bo	c bw	1m	60	53	45	-	-	-	-	0·7
Malin Head	oo	ooik	c	b or bc	60	56	•	0·2	0·5	1530	0530	0·0
Renfrew	oo	oo	oo	ocbcbff	63	51	41	trace	-	-	-	0·0
Inchkeith	oo	oo	b or bc		61	54	50	-	-	-	-	•
Eskdalemuir	c.bc.c	oo	ocfcorfc	f or m	61	51	47	-	0·2	-	2200	2·9
Tynemouth	1m.o	c1m	b or bc	bc fc	66	55	•	-	trace	-	0430	•
Blacksod Point	1F id	m	c	oo	61	54	•	1	trace	1100	<2100	•
Donaghadee	bc	c	of	bcm	63	54	•	-	-	-	-	•
Birr Castle	co	bc	bc	coze	67	54	51	-	trace	-	-	0·0
Baldonnell	c	oo	b or bc	bcom	71	47	45	-	-	-	-	3·3
Holyhead	ofc mc	omffc	ffe bf	bw	60	53	45	trace	trace	-	-	0·0
Liverpool (Bidston)	oo	c	b or bc		64	54	50	-	-	-	-	0·3
Manchester (Alex. Pk.)	ordom	oo1m	ocbim	b or bc	66	50	43	trace	-	<0800	-	•
Howden	oo	f.m	f or m	F	64	46	42	-	-	-	-	1·0
Spurn Head	oo	oo	b or bc	b or bc	65	56	•	-	-	-	-	0·3
Nottingham	c	c	1mw		68	45	44	-	-	-	-	3·4
Cranwell	oo	oo	1m	f or m	68	47	?	-	trace	-	-	?
Gorleston	c	c	f or m	bmbc	68	57	50	-	-	-	-	2·3
Pulham	oo	oo	c	f or m	72	48	41	-	-	-	-	5·4
Felixstowe	c.f.m	f.m	cmw	cmw	67	55	47	-	-	-	-	2·6
Valencia (Cahirciveen)	omdrc	bc.b	bwbc	bc.co	63	56	50	1	-	<0800	-	4·7
Roches Point	fc.bc	f.m	f or m		62	57	•	0·1	0·3	-	-	•
Pembroke (St. Ann's H.)	ff	b.bc	b or bc	b or bc	63	58	•	-	-	-	-	4·5
Ross-on-Wye	c.bc.b	bc.bc	bw	bwimbw	74	47	41	-	-	-	-	8·6
Benson	b.bc	b.bc	b or bc		76	47	42	-	-	-	-	•
S. Farnborough	f.m	oo	f or m		78	47	41	-	trace	-	-	7·2
London (Kew Obsy.)	ffr.bc	bc.bfg	bcmbm	cffw	75	50	41	-	-	-	-	5·6
Croydon	omdrc	bc.cofg	ocbfg	bcim	78	52	45	-	-	-	-	7·4
Clacton-on-Sea	cmz	cmz	czbcw	bcwz	65	60	53	-	-	-	-	3·1
Shoeburyness	f.m	f.m	F		76	49	41	-	-	-	-	2·9
Grain	oo	c	2m2m	f or m	78	48	44	-	-	-	-	3·7
Lympne	c	c	c	b or bc	70	57	44	-	-	-	-	4·1
Scilly (St. Mary's)	F	Fc	b or bc	b or bc	59	56	•	0·1	0·1	-	-	0·0
Falmouth	omfc	sfsfc	ffe	ocm	60	57	55	-	trace	-	-	0·4
Plymouth	b.bc	b.bc	b or bc	b or bc	72	57	?	-	-	-	-	9·8
Portland Bill	F	F	F	c	63	55	•	-	0·4	-	<2100	•
Calshot	F	fc.bc	F	f or m	65	57	55	-	-	-	-	4·6
Dungeness	1F.fm	b.bc	b or bc	b or bcwm	66	61	•	-	-	-	-	•
Jersey	b	c	cbw	cbw	75	62	•	-	-	-	-	9·3

ISALLOBARS Sunday October 8



Temperature reported from Cross Channel and Coastal Steamers

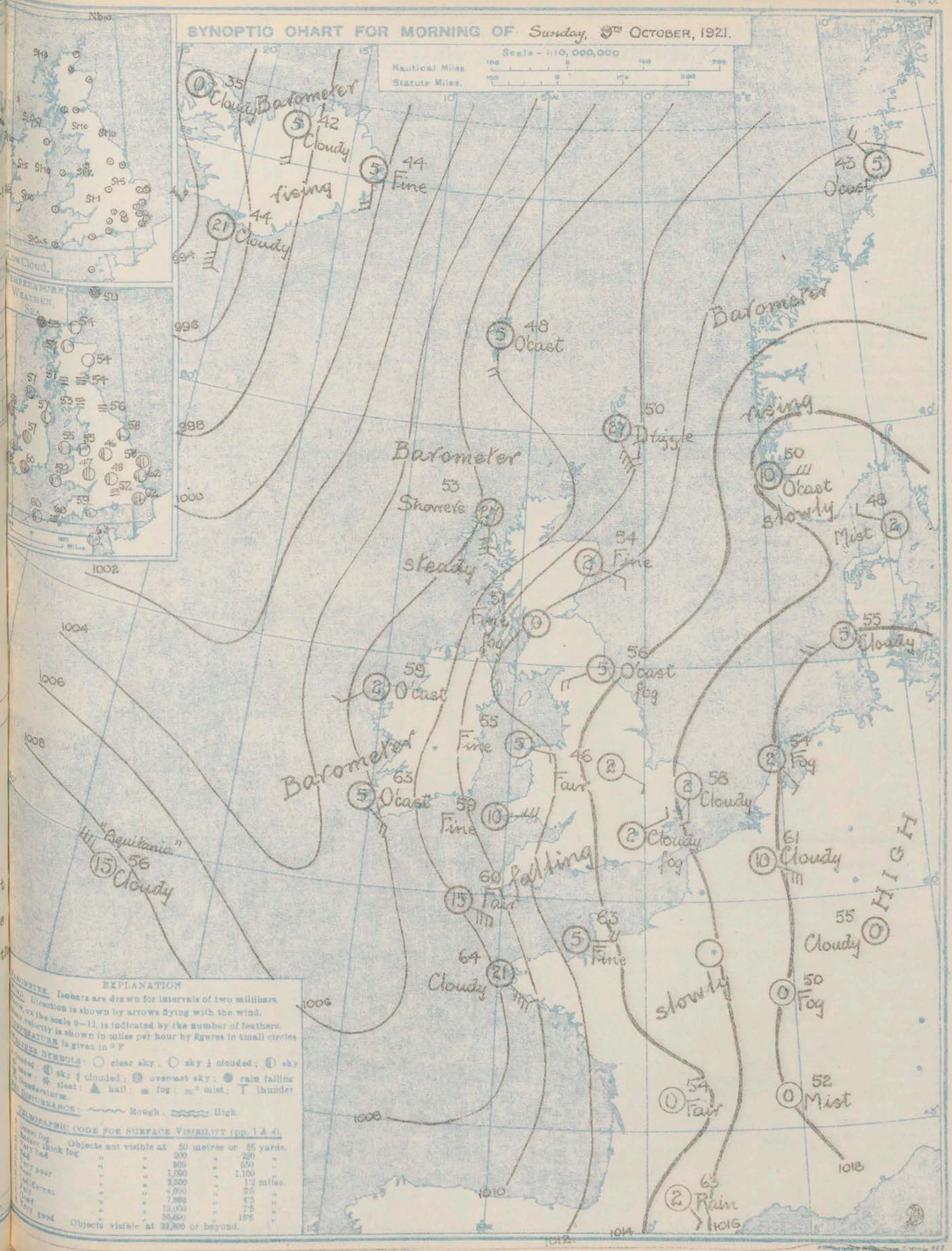
Position Number	6	1	3	6
Date	8th	8th	8th	8th
Time G.M.T.	0400	0123	1005	0155
Sea °F	63	62	58	62
Air °F	59	62	61	63

GENERAL INFERENCE.

Under the influence of the Continental anticyclone fair warm weather seems likely to continue over the greater part of the Kingdom, but secondary depressions over the Atlantic will probably cause further rain or showers in the North and West.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday 9th October 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light South-Easterly breezes; fine, mist or fog at night; day visibility good; temperature high during day, cool at night.	Continuing fair and warm in East and South-East. Cloudy with some rain or showers in West and North.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Wind South-East to South, moderate; fair; visibility mainly fair but local coastal mist probable; rather high temperature.	
10. N.E. England 11. E. Scotland	As for 1 - 4	
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 South to South-West, moderate, fresh or strong in places especially in the North; cloudy or dull, some rain or showers; visibility mainly fair; rather high temperature.	

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
CLOUD SYMBOLS: ○ clear sky, ◐ sky ½ clouded; ◑ sky ¾ clouded; ● overcast sky; ● rain falling; ● snow; ● sky ⅞ clouded; ● sleet; ▲ hail; ≡ fog; ═ mist; T thunderstorm.
SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).

0	Dense fog.	Objects not visible at	50 metres or	55 yards.
1	Rather thick fog	" " "	200 "	220 "
2	Very bad	" " "	500 "	550 "
3	Bad	" " "	1,000 "	1,100 "
4	Very poor	" " "	2,000 "	1·2 miles.
5	Poor	" " "	4,000 "	2·5 "
6	Moderate	" " "	7,000 "	4·3 "
7	Fair	" " "	12,000 "	7·5 "
8	Good	" " "	20,000 "	12·5 "
9	Very good	" " "	30,000 "	18·6 "
		Objects visible at	32,800 or beyond.	

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION. Sunday, 9th October 1921. No. 282

Observations at 0100 G.M.T. 9th / Observations at 0700 G.M.T. 9th

Stations	Barom. at M.S.L. m.b. (0100)	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	Barom. at M.S.L. m.b. (0700)	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
Lerwick	1013·3	+2	-	0	bc-	48	92	7	-	-	0	A.Cu	5	*	1009·7	-2	SSE	6	od	50	97	4	-	Nb	10	-	10	
Stornoway	1010·5	-4	-	0	rr	*	*	4	*	*	*	*	*	*	1006·3	0	S	6	opr0	53	92	6	450	St	10	-	10	
Wick	1010·1	-3	SE	3	o	53	97	8	800	St	10	-	10	*	1007·7	-1	SSW	3	b-	54	97	8	-	-	0	A.Cu	1	
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1008·3	0	E	3	o/r	57	97	6	4000	St	10	-	10	
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1008·4	*	-	0	b-	57	85	8	-	-	0	Ci.Cu	3	
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1011·2	+1	ESE	1	b-	54	97	6	-	-	0	-	0	
Malin Head	1008·1	-4	SSW	3	b-	59	97	7	-	-	0	Ci	1	*	1007·6	0	SSW	2	c+	57	97	8	4000	St.Cu	7	-	7	
Renfrew	1012·6	-2	-	0	o	57	97	7	2500	St	10	-	10	*	1012·0	0	-	0	fb-	51	97	2	*	-	0	-	0	
Inchkeith	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012·2	+1	NE	1	Fb	54	97	0	-	-	0	Ci	1	
Eskdalemuir	1014·4	-2	-	0	or°r°	56	97	1	<150	Nb	10	-	10	*	1013·6	0	W	1	fo-	53	97	2	<150	St	10	-	10	
Tynemouth	1014·8	-2	-	0	b	56	97	8	-	-	0	-	0	*	1013·5	0	WSW	2	Fo-	56	97	1	<150	St	10	-	10	
Blacksod Point	1003·5	-3	SW	3	o	58	97	6	450	St	10	-	10	*	1006·2	-1	SW	1	o	59	92	7	225	St	10	-	10	
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012·3	0	S	1	bc/f	57	97	8	-	-	0	Ci	4	
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1007·7	*	SSE	1	c+	57	97	7	1500	St	5	Ci.Cu	7	
Baldonnell	1011·5	-3	-	0	b	62	75	8	-	-	0	-	0	*	1010·0	-1	-	0	mo-	49	97	4	<150	St	10	-	10	
Holyhead	~~1012·9~~ 1012·8	-2	SSW	3	b/f	*	*	8	-	-	0	-	0	*	1010·7	-2	E'S	2	b+	55	97	9	-	-	0	Ci	2	
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012·1	-1	SE	3	b	55	92	7	4000	St	2	Ci.St	3	
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1013·7	-1	-	0	c+	54	92	8	-	-	0	Ci.St	8	
Howden	1015·8	-2	SSW	2	fb-	52	97	2	<150	St	3	-	3	*	1014·7	-1	SE	1	c/f	49	97	4	-	-	6	Ci	8	
Spurn Head	1016·1	-1	WSW	2	b	59	92	6	-	-	0	-	0	*	1015·2	0	SSW	1	b+	58	97	6	-	-	0	Ci.Cu	2	
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1014·7	*	ESE	1	bc+	46	97	4	-	-	0	Ci	5	
Cranwell	1017·0	-1	S'E	3	mmb	51	97	5	-	-	0	-	0	*	1015·4	-1	SE	1	fc-	51	97	2	800	St	5	Ci.St	7	
Gorleston	1018·4	0	-	0	mb-	57	97	5	-	-	0	-	0	*	1016·8	-1	S'E	1	c-	58	97	7	-	-	0	A.Cu	7	
Pulham	1017·4	-1	-	0	mmb	51	97	4	-	-	0	-	0	*	1015·8	-1	-	0	fc	49	97	3	-	-	0	Ci.St	8	
Felixstowe														*	1016·7	-1	-	0	o	60	97	7	-	-	0	Ci.St	9	
Valencia (Cahirciveen)	1008·9	-4	S	2	bc	59	*	*	*	*	*	*	*	*	1005·2	-2	SE'E	2	o	63	85	8	1500	St	9	A.St	10	
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1009·5	-2	SE	3	o	60	97	5	1500	St	10	-	10	
Pembroke (St.Ann's H.)	1013·7	-2	ESE	2	b	60	97	8	-	-	0	-	0	*	1010·5	-3	E	3	b	59	97	8	-	-	0	Ci.St	2	
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1013·8	-3	-	0	c⊕	47	55	2	225	St	1	Ci	6	
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1014·0	-2	-	0	bc	48	97	8	-	-	0	Ci	5	
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1014·2	-2	-	0	mmo	52	97	5	-	-	0	Ci	10	
London (Kew Obsy.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1014·5	-2	ENE	1	mo-	52	97	3	-	-	0	Ci	7	
Croydon	1017·3	-2	SSW	3	b-	59	75	8	-	-	0	-	0	*	1015·4	-2	-	0	o+	53	97	7	-	-	0	Ci	9	
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1015·4	-1	SE	2	bc	62	92	6	-	-	0	Ci	5	
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1015·5	-2	-	0	Fc-	51	92	1	-	-	0	Ci.St	7	
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1015·1	-2	-	0	fb-	56	97	2	-	-	0	Ci	7	
Lympne	1017·2	-2	E	2	b-	61	85	8	-	-	0	-	0	*	1015·4	0	ESE	3	bc	62	85	7	-	-	0	Ci.St	4	
Scilly (St. Mary's)	1012·4	-3	ESE	3	b	58	97	8	-	-	0	-	0	*	1008·0	-3	ESE	4	bc	60	92	8	4000	St.Cu	5	-	5	
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1010·0	-3	E	4	imb	60	97	4	225	St	1	-	1	
Plymouth	1013·2	-3	NE	2	b	58	92	8	-	-	0	-	0	*	1011·0	-3	ESE	3	b+	60	97	8	-	-	0	Ci.St	3	
Portland Bill	1016·0	-2	SE	1	Fo+	58	85	0	<150	St	10	-	10	*	1013·0	-3	SE	3	bc/f	59	85	8	-	-	0	Ci.Cu	5	
Calshot	1016·4	-2	E	3	b/f	57	97	8	-	-	0	-	0	*	1013·4	-5	E	3	mmo	61	92	7	-	-	0	Ci	9	
Dungeness	1017·3	-2	-	0	b-	61	97	7	-	-	0	-	0	*	1015·3	-1	SE	2	c+	62	92	5	-	-	0	A.Cu	7	
Jersey 7h / Guernsey 1h	1014·8	-3	SE	3	b	62	85	7	-	-	0	Ci	1	*	1012·1	0	E	2	b	63	92	8	-	-	0	Ci	2	

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

Stations	Weather Forenoon	Weather Afternoon	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall† Night 17h.-9h. 7th-8th mm.	Rainfall† Day 9h.-17h. 8th mm.	Sunshine Sunrise to 17h. 8th hr.	Sunshine Sunrise to Sunset 7th hr.
Banff	r.o.c.bc	b.bc.c	65	47	0·4	-	4·7	1·1
Montrose	bc	bc.c	65	48	-	-	5·3	0·1
Llandudno	o	o.c	65	59	0·4	-	0·0	1·2
Colwyn Bay	b	b	66	59	-	-	0·3	0·9
Rhyl	c	bc	68	59	-	-	2·0	0·5
Southport	r.or	ro	61	59	/	/	0·0	0·6
Blackpool								
Harrogate	o	o	64	57	-	-	0·7	1·2
Skegness	o	o	69	60	-	-	0·8	4·9
Aberystwyth	o.o.c	b.bc	65	58	-	-	4·0	1·0
Bath	m.b	b	74	58	-	-	7·5	8·1
Leamington Spa								
Lowestoft	c.bc.c	c.bc.c	68	60	-	-	1·8	8·5
Felixstowe	bcm	om	65	56	-	-	2·3	8·1
Southend	c.bc	c.bc	76	56	-	-	3·4	8·4
Paignton	wcr	bcfw	60	50	-	-	0·3	8·1
Ilfracombe	b	b	65	52	-	-	9·1	8·6
Bude								
Penzance	b	b.of	66	50	-	-	9·2	2·4
Torquay	w.cf	bc.bc.o	60	54	-	-	1·4	7·6
Weymouth	fm.o	c	64	53	0·3	-	1·5	0·0
Bournemouth	fw.	b.bc	68	49	-	-	5·4	4·0
Portsmouth (S'thsea)	bm	b	68	55	-	-	2·8	6·5
Worthing	o.bc	b	65	55	-	-	5·8	0·4
Brighton	om.o	c.bc.c	64	56	-	-	3·5	0·0
Eastbourne	o	o	66	53	-	-	8·5	0·0
Hastings	w.b.bc	f.b.bc.o	69	49	-	-	8·1	4·9
Folkestone	o.bc	bc	74	54	-	-	3·0	4·4
Tunbridge Wells	c.b	b.bc.b	78	48	-	-	6·0	4·5
Ramsgate	bc	bc	70	50	-	-	2·5	5·2
Margate	c.bc.b	c.bc.c	73	57	-	-	1·8	6·3
Deal	c	c	73	53	-	-	1·5	8·4

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.21872 MONDAY, 10th OCTOBER 1921. Page 1.

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 Cloud Form	Total Amt. 0-10	Sea 0-9
Lerwick	1009.7	-3	SSW	2	c-	54	97	6	-	St.Cu	5	A.Cu	7	*
Stornoway	1007.7	+3	S	5	o/r	58	92	6	450	St	10	-	10	*
Wick	1008.5	+1	ESE	1	c+	56	97	8	-	-	0	A.St	8	*
Castlebay	1008.1	0	SSE	4	ffb	57	97	5	4000	St	4	A.St	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1010.8	-1	SE	3	b+	64	75	7	-	-	0	A.Cu	1	*
Malin Head	1006.0	-2	NE	2	c+	61	94	6	4000	Cu	1	A.Cu	8	*
Renfrew	1010.2	-3	NE	2	b/f	68	75	6	-	-	0	-	0	*
Inchkeith	1010.4	-2	NE	2	b	57	85	9	-	-	0	Ci.St	1	*
Eskdalemuir	1010.5	-2	S'E	3	b	70	65	8	-	-	0	Ci	1	*
Tynemouth	1011.8	-3	SE	2	bc	61	85	5	-	-	0	Ci.St	5	*
Blacksod Point	1004.6	-2	-	0	orob	58	85	6	450	St	10	-	10	*
Donaghadee	1009.7	-3	S	1	b	64	75	8	-	-	0	A.Cu	3	*
Birr Castle	1005.0	*	SE	1	c+	67	85	7	4000	St.Cu	6	A.Cu	8	*
Baldonnell	1007.1	-2	ESE	1	c	68	65	7	4000	St.Cu	3	A.St	7	*
Holyhead	1008.7	-2	SSE	4	b	74	55	9	-	-	0	Ci.St	2	*
Liverpool (Bidston)	1009.8	-3	SE'E	2	b	69	65	5	-	-	0	-	0	*
Manchester (Alex. Pk.)	1011.1	-3	SSE	4	c	76	55	8	-	-	0	Ci	8	*
Howden	1012.2	-3	SE	3	c	74	65	6	-	-	0	Ci.St	7	*
Spurn Head	1013.0	-2	ESE	2	bc	67	85	6	1500	St	2	Ci	5	*
Nottingham	1011.8	*	ESE	2	bc	74	65	8	-	-	0	Ci	5	*
Cranwell	1012.9	+3	SE'E	3	b+	73	65	7	-	-	0	Ci.Cu	8	*
Gorleston	1015.4	-1	S'E	1	c	67	85	5	-	-	0	Ci.Cu	7	*
Pulham	1013.2	-3	SE'E	2	o+	75	75	7	-	-	0	Ci	9	*
Felixstowe	1014.4	-3	ESE	2	bc	67	85	6	*	*	0	Ci	6	*
Valencia (Cahirciveen)	1003.0	-2	E'N	3	of	64	85	8	1500	St	8	A.St	10	*
Roches Point	1006.0	-5	SE	2	o	60	94	5	1500	St	10	-	10	*
Pembroke (St. Ann's H.)	1007.6	-3	ESE	4	b	66	85	8	-	-	0	Ci.St	2	*
Ross-on-Wye	1010.2	-4	S	2	b-	75	55	8	-	-	0	Ci	1	*
Benson	1010.4	-4	SSE	4	c+	74	55	8	-	-	0	Ci Cu	4	*
S. Farnborough	1011.1	-5	SSE	3	o/f	78	55	8	-	-	0	Ci	10	*
London (Kew Obsy.)	1011.3	-3	SE	3	bc/f	78	45	8	-	-	0	Ci.St	4	*
Croydon	1012.2	-4	SSE	4	bc	79	45	8	-	-	0	Ci	6	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1012.8	-3	E	3	mb-	73	65	5	-	-	0	Ci.Cu	3	*
Grain	1012.5	-1	SE	2	bc	75	55	8	-	-	0	Ci	6	*
Lympne	1012.7	-3	ESE	4	c	75	55	8	-	-	0	Ci.St	7	*
Scilly (St. Mary's)	1004.9	-3	SE'E	4	o	61	97	7	4000	St.Cu	10	-	10	*
Falmouth	1006.8	-4	SSE	2	c+	63	85	7	1500	St.Cu	7	-	7	*
Plymouth	1008.1	-4	E	3	b.	75	55	8	-	-	0	A.Cu	2	*
Portland Bill	1011.1	-3	E	4	b-	66	85	8	-	-	0	Ci	3	*
Calshot	1010.6	-4	ESE	4	bc	67	85	8	-	-	0	Ci	6	*
Dungeness	1012.9	-2	NE	1	bc	74	65	6	-	-	0	Ci	5	*
Jersey	1004.3	-1	E	2	c+	70	75	8	-	-	0	Ci Cu	8	*

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 Cloud Form	Total Amt. 0-10	Sea 0-9
Lerwick	1010.6	+2	W'S	2	b.	55	94	8		-	0	A.St	2	0
Stornoway	1004.3	-1	ENE	1	o	58	94	5	450	St	10	-	10	0
Wick	1008.8	0	NE	1	bc	56	94	8	3750	St.Cu	4	Ci.Cu	4	0
Castlebay	1006.7	-1	-	0	of	58	85	5	2500	St	10	-	10	2
Nairn	1008.0	*	-	0	c+	60	85	8		-	0	A.Cu	7	*
Aberdeen	1010.4	0	S'W	1	b	54	85	5	-	-	0	Ci	2	0
Malin Head	1011.2	-4	SSW	1	o+	64	97	7	4000	St.Cu	9	-	2	2
Renfrew	1008.8	-1	ENE	1	b	64	85	4	1250	St	1	-	1	*
Inchkeith	1009.5	-1	NE	3	mb	56	92	6	*	St.Cu	1	-	1	2
Eskdalemuir	1010.2	-2	-	0	b.	60	85	8	-	-	0	Ci	1	*
Tynemouth	1011.0	0	S	2	b	58	92	4	2500	St	3	-	3	0
Blacksod Point	1003.5	-1	NW	1	?	58	94	4	450	St	10	-	10	0
Donaghadee	1008.3	-1	WSW	1	b.	62	85	8	-	-	0	A.Cu	2	0
Birr Castle	1003.3	*	SE	1	o+	64	85	7	2500	St.Cu	9	-	9	*
Baldonnell	1006.1	0	SE	3	c	64	75	4	4000	St.Cu	5	A.St	4	*
Holyhead	1007.2	-2	ESE	2	b	65	85	8	5750	St.Cu	1	.	1	0
Liverpool (Bidston)	1008.0	-2	SE	3	b	68	75	4	5750	-	0	A.St	3	2
Manchester (Alex. Pk.)	1008.9	-2	NE	2	b	66	75	6	-	-	0	Ci	6	*
Howden	1010.8	0	E'S	3	c.	65	85	5	-	-	0	A.St	4	.
Spurn Head	1011.8	-2	E	4	o	60	92	6	1500	St	6	A.Cu	8	2
Nottingham	1010.1	*	E	2	bc	64	85	8	-	-	0	A.Cu	5	*
Cranwell	1011.4	-1	ESE	3	c	65	85	7	4000	St.Cu	3	A.Cu	8	*
Gorleston	1014.9	-1	SE	3	c	62	92	6	-	-	0	A.St	4	3
Pulham	1012.2	-1	E	1	o	63	94	6	-	-	0	Ci.St	9	*
Felixstowe	1012.9	-3	E	3	c	65	85	4	-	-	0	Ci.St	4	1
Valencia (Cahirciveen)	1000.5	-3	-	0	of	62	94	5	450	St	10	-	10	0
Roches Point	1002.6	-3	SE	5	o	62	94	5	1500	St	10	-	10	6
Pembroke (St. Ann's H.)	1006.0	-3	ESE	4	c+	66	85	8	-	-	0	A.St	8	4
Ross-on-Wye	1008.5	-1	SSE	1	b	69	65	8	-	-	0	A.St	1	*
Benson	1009.4	0	SE	3	bc	64	55	8	*	St.Cu	2	Ci	5	*
S. Farnborough	1009.9	0		0	c	64	65	8	-	-	0	Ci	4	*
London (Kew Obsy.)	1010.6	0	ESE	2	b.	69	55	8	5750	Cu	1	Ci.St	2	*
Croydon	1011.3	0	SE'S	2	b	66	65	8	-	-	0	Ci	3	*
Clacton-on-Sea	1011.5	-2	E	3	c	65	92	6	-	-	0	A.St	7	1
Shoeburyness	1011.4	-3	E	2	mb+	64	85	6	-	-	0	Ci	2	*
Grain	1011.0	-1	-	0	c	66	75	8	-	-	0	Ci	8	0
Lympne	1011.5	+1	SE	4	c	65	65	8	-	-	0	A.Cu	8	*
Scilly (St. Mary's)	1004.1	-1	SE'E	4	o	60	94	8	1500	St	10	-	10	5
Falmouth	1005.5	-5	SE	2	or	62	92	6	*	Nb	10	-	10	*
Plymouth	1006.6	-1	SE	4	o+	56	85	8	4000	St.Cu	8	A.St	9	0
Portland Bill	1008.3	-4	E	4	o+	64	85	8	-	-	0	A.St	10	3
Calshot	1009.3	-1	SE	4	b	64	85	8	-	-	0	A.Cu	1	3
Dungeness	1011.3	-1	S	2	bc	66	85	8	-	-	0	A.Cu	4	2
Jersey	1008.8	0	SE	3	c/r	66	85	8	4000	St.Cu	8	-	8	3

London Observations (24 Hours ended 0900 G.M.T. 10th)

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. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew } 24 hours ended 0700	omw bcy	bcy bcy	bcc bcbw	*	*	50	-	.	8.6	*	*
Croydon } 24 hours ended 0700	omc bcy	cy ocb	bo owp	*	*	53	-	-	9.6	*	*
Greenwich (Royal Obsy.)	c	c	obw	81	56	44	-	-	9.3	43	90
City (Bunhill Row)	*	*	*	*	*	*	*	*		*	*
Westminster (St. James' Pk.)	*	*	*	80	54	51	-	-		*	88
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	8.8	*	*
Camden Sq. (Brit. Rainfall)	-	-	*	81	58	52	-	-	*	-	85
Kensington Palace	bc	bc	*	82	60	53	-	-	*	54(18h)	86
Hampstead Observatory	*	*	*	78	60	48	-	-	-	*	89

Atmospheric Pollution. Lbs. of Solid impurity per million cubic yards. 24 Hr. ended 1800 G.M.T. 9th

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

Solar Radiation. Vertical component per square centimetre. During yesterday.

South Kensington. Total .... Joules. Average Rate .... Milliwatts. Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy. Exposure from 9th 18 h. 15 m. to 10th 05 h. 15 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	11. 0	8. 2	73
δ Ursae Minoris	11. 0	7. 41	70

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 10th & 11th October 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.11 6.13	11.40 11.40	5.9 5.6
Greenwich	6.17 6.19	11.47 11.47	5.15 5.13
Wick	6.39 6.41	11.59 11.59	5.19 5.17
Valencia	6.58 7.0	12.28 12.28	5.55 5.52

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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 intensity, 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 33 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.

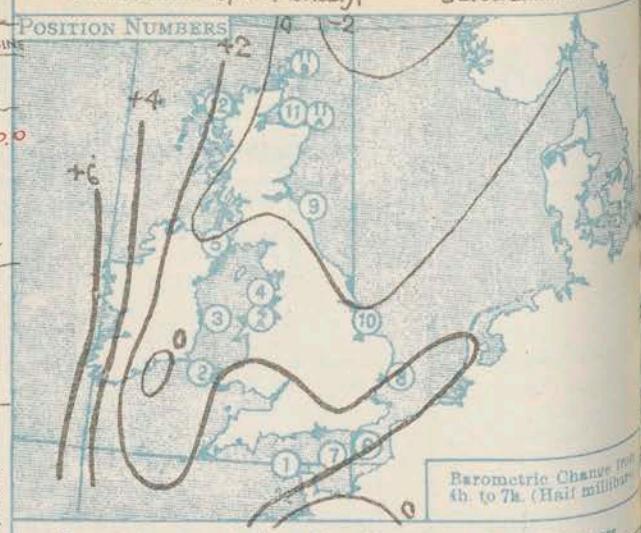
Beaufort No. | Statute miles per hour. | Metres per second.

* 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.-18h. 9th	18h.-18h. 9th	18h.-9th to 1h. 18th	1h.-7h. 10th	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.	SUNSHINE Hours
Lerwick	c		form	borbc	61	50	•	trace	–	–	–	*
Stornoway	rord		rord	p	60	50	•	0.2	2	–	<2100	~~2~~ 0.0
Wick	c	c	c	borbc	61	50	•	–	–	–	–	*
Castlebay	ccm	cmo	oRR	RR	59	52	•	–	35			1.1
Nairn	borbc	borbc	c		70	50	•	–	–	–	–	5.7
Aberdeen	borbc	b.bc	bfoff		65	51	41	–	–	–	–	9.5
Malin Head	b.bc	c	oo	oo	68	60	•	–	–	–	–	1.6
Renfrew	bcfbm	b.b	bmbff	bffoff	54	49	42	–	–	–	–	?
Inchkeith	borbc	b.bc	c		59	54	52	–	–	–	–	*
Eskdalemuir	borbc	b.bc	borbc	c	51	49	41	–	–	–	–	8.5
Tynemouth	febcm	mb.bc	borbcm	fe	63	55	•	–	trace	–	–	*
Blacksod Point ...	mrr	r.d	RRr	rord	60	52	•	4	71	1100	<2200	*
Donaghadee	bcm	bc	bim	cmq	65	58	•	–	–	–	–	*
Birr Castle	c	c	c	c	66	56	55	–	–	–	–	0.0
Baldonnell	borbc	c	c	c	69	59	55	–	–	–	–	1.9
Holyhead	borbc	b.bc	bbcc	oco	76	61	55	–	–	–	–	9.4
Liverpool (Bidston) ...	borbc	b.bc	b or bc		71	55	51	–	–	–	–	8.0
Manchester (Alex. Pk.)	ccmfec	c.b.bcb	b bcm		54	55	46	–	–	–	–	*
Howden	c	c	borbc	borbc	54	50	43	–	–	–	–	8.2
Spurn Head	borbc	c	c	borbc	57	57	•	–	–	–	–	9.2
Nottingham	borbc	b.bc	b or bc		55	56	50	–	–	–	–	7.6
Cranwell	c	c	mmm	mmw	74	52	46	–	trace	–	–	8.5
Gorleston	bcmcm	cm	borbc	borbc	68	59	55	–	–	–	–	5.5
Pulham	c	oo	oo	borbc	75	57	56	–	? –	–	?	0.0
Felixstowe	form	f.m	borbc	borbc	68	61	59	–	trace	–	<2200	6.7
Valencia (Cahirciveen)	odor	or	oir	oir	65	55	54	14	6	1230	<2200	0.0
Roches Point	f.m	oo	p		62	59	•	1	1	1100	2400	*
Pembroke (St. Ann's H.)	borbc	b.bc	oo	c	67	60	•	–	–	–	–	8.6
Ross-on-Wye	ifezb	b.b	bbcco	coc	54	59	50	–	–	–	–	7.8
Benson	b.bc	b.bc	c		58	59	50	–	–	–	–	*
S. Farnborough ...	form	c	oo		59	55	45	–	–	–	–	7.8
London (Kew Obsy.) ...	cmwby	bcy.by	bcbc	bbw	80	58	50	–	–	–	–	8.6
Croydon	ormcby	cy.ocb	ba	owim	81	58	53	–	–	–	–	9.6
Clacton-on-Sea ...	bccz	bccz	cbcd	bcz	69	62	58	–	–	–	–	7.4
Shoeburyness	form	form	form		74	58	50	–	–	–	–	6.7
Grain	borbc	c	borbc		77	59	51	–	–	–	–	7.5
Lympne	c	c.o.c	cbcc	cbcbw	56	60	55	–	trace	–	–	8.9
Scilly (St. Mary's) ...	c	oo	c	c	64	58	•	0.3	0.4	09.00	–	0.6
Falmouth	bccz	cb.ogr	orrom	orm	65	58	57	2	20	16.30	2400	4.1
Plymouth	borbc	c	borbc	oo	75	60	?	•	trace	–	2200	6.8
Portland Bill	borbc	oo	b	borbc	67	59	•	–	–	–	–	*
Calshot	c	b.bc	borbc	c	69	62	60	–	–	–	–	8.8
Dungeness	b.bc	b.bc	borbc	borbc	72	63	•	–	–	–	–	*
Jersey	bc	c.o.c	cbw	bw	74	62	•	1	–	1530	–	5.3

ISALLOBARS 0700 Monday, October 10th 1921.



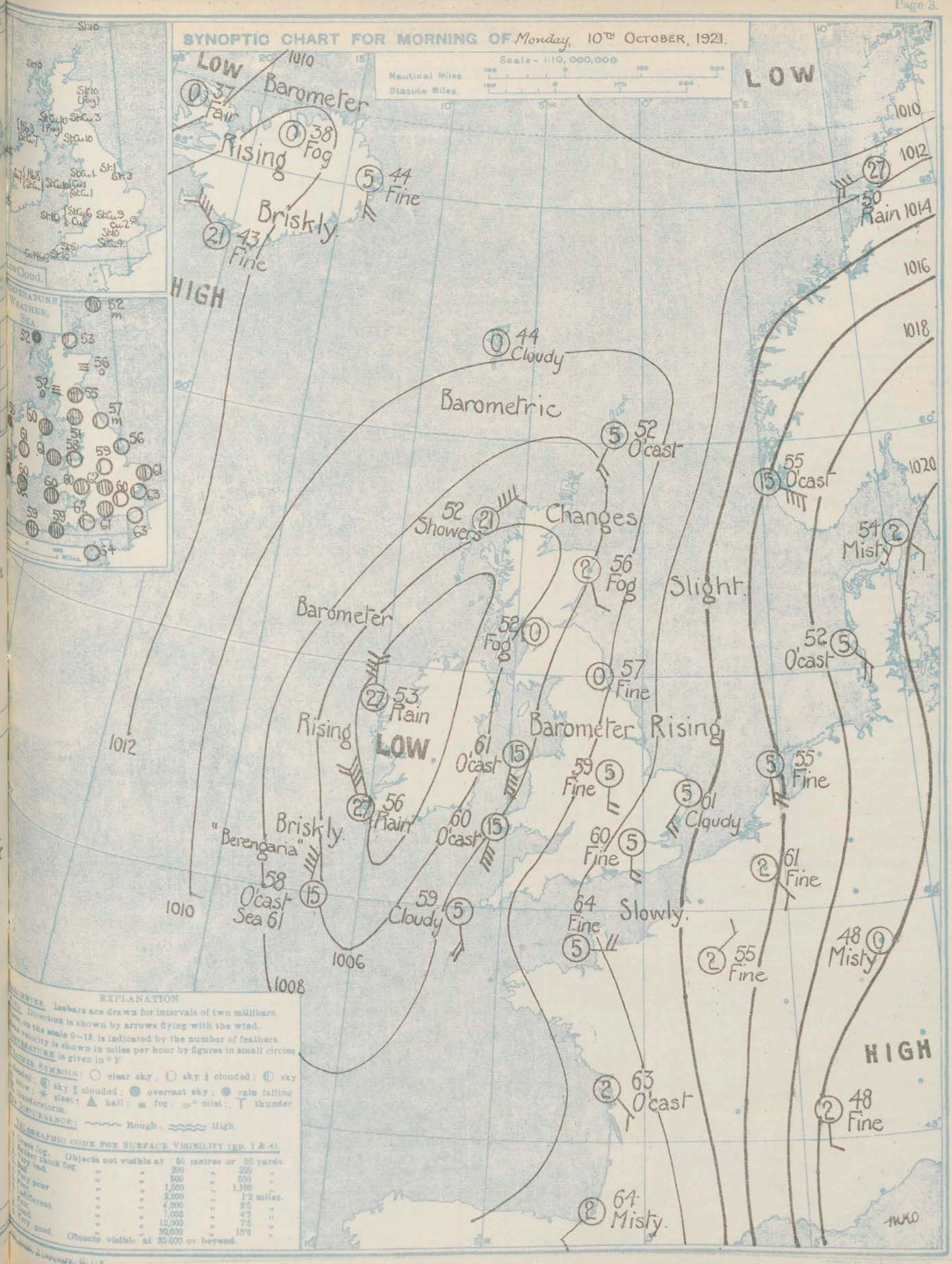
Temperature reported from Cross Channel and Coastal Steamers.

Position Number	3	7														
Date	9th	9th														
Time G.M.T.	1005	0235														
Sea °F.	58	63														
Air °F	62	63														

GENERAL INFERENCE.

A depression over Northern Ireland will probably fill up after causing some more rain in the West and North. In the East and South-East of England fair warm weather appears likely to continue.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 10th October, 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light Southerly breezes; fair; mist or fog at night; very warm.	Probably continuing fair and warm in the East and South-East of England.
5. S.W. England 6. South Wales	Light Southerly breezes; cloudy to fair; visibility mainly good but some coastal fog; very warm.	
7. North Wales 8. N.W. England	Moderate to fresh Southerly winds, becoming lighter; cloudy, some showers, improving later; visibility fair; very warm.	
9. N. Midlands 10. N.E. England 11. E. Scotland	Light Southerly breezes; fair; mist or fog at night; very warm.	
12. S.W. Scotland 13. Isle of Man	Wind South-East to South, moderate; much cloud, some rain, improving later; visibility indifferent to fair; warm.	
14. N.& N.W. Scotland 15. Hebrides	Moderate breezes from between East and South; much cloud, some rain; visibility fair; rather warm.	
16. Orkneys and Shetlands	Light Southerly breeze; fair; intermittent fog; warm.	
17. N.W. Ireland 18. N.E. Ireland	Fresh North-West wind; moderating; cloudy, showery, improving; visibility fair to good; temperature rising.	
19. S.E. Ireland 20. S.W. Ireland	Same as 7 - 8.	


SYNOPTIC CHART FOR MORNING OF Monday, 10TH OCTOBER, 1921.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
Barometer
Rising
Briskly
HIGH
Barometric
Changes
Slight
Slowly
Barometer Rising
"Berengaria"
Low Cloud.
TEMPERATURE
WEATHER.
SEA.
EXPLANATION
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
Objects not visible at 50 metres or 55 yards.
Objects visible at 20,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. MONDAY 10TH OCTOBER 1921. No. 283.

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	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	1014.5	0	-	0	bc/f	52	97	5	-	-	0	A.Cu	5	*
Stornoway	1007.5	-2	-	0	o/r	*	*	5	*	*	*	*	*	*
Wick	1007.0	-2	SW	1	b-	54	97	8	800	St	3	-	3	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1004.3	0	SSW	1	0	62	97	7	4000	St.Cu	10	-	10	*
Renfrew	1008.1	-1	-	0	ff b	50	97	2	-	-	0	-	0	*
Inchkeith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1009.1	-2	N	2	b	55	85	7	2500	St.Cu	1	-	1	*
Tynemouth	1009.4	-2	W	1	b	56	97	7	-	-	0	-	0	*
Blacksod Point	1002.7	+1	N'W	6	ORR	56	92	6	1500	St	10	-	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1004.9	-2	SSE	5	b	62	85	8	4000	St	3	-	3	*
Holyhead	1006.4	0	SE	3	b-	*	*	8	4000	St.Cu	2	-	2	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1010.1	0	SE'E	1	b-	50	97	4	-	-	0	-	0	*
Spurn Head	1011.1	0	SSE	4	b-	59	55	7	2500	St	2	-	2	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1011.1	0	SSE	3	mmb	53	97	5	-	-	0	-	0	*
Gorleston	1013.4	-1	SW'S	2	b-	62	85	8	-	-	0	-	0	*
Pulham	1012.1	0	SW'W	3	b	58	92	7	4000	St.Cu	3	-	3	*
Felixstowe														*
Valéncia (Cahirciveen)	1001.0	+1	SE	1	od	60	*	*	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St.Ann's H.)	1006.4	0	SE	5	0	60	97	8	1500	St	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1012.0	+2	S	1	0	63	85	8	-	-	0	A.St	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1012.8	+2	SE	3	c	61	85	7	-	-	0	Ci.St	8	*
Scilly (St. Mary's)	1006.8	+2	S	2	bc-	60	97	7	4000	Cu Nb	4	-	4	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1009.1	+3	SW	4	0	62	92	8	-	St	10	-	10	
Portland Bill	1008.3	0	S	3	bc+	59	85	8	1500	St.Cu	8	-	5	*
Calshot	1011.2	+2	S	2	b-	64	92	7	1500	St	2	-	2	*
Dungeness	1012.3	+2	SSE	2	c+	64	92	9	-	-	0	A.Cu	7	*
Jersey 7h / Guernsey 1h	1010.8	+3	SSW	4	b/r	64	92	8	5750	Cu Nb	3	-	3	*

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. 0-8
Lerwick	1009.8	-2	SSW	2	mo	52	97	5	1500	St	10	-	10	0
Stornoway	1007.4	+1	NE	5	ohr.	52	92	6	450	St	10	-	10	0
Wick	1006.3	-1	SSW	2	bc	53	97	8	-	-	0	A.Cu	5	*
Castlebay	1006.1	0	N	4	OR-	52	97	5	1500	Nb	10	-	10	*
Nairn	1005.9	*	-	0	mc-	53	85	7	1500	St	8	-	8	5
Aberdeen	1008.3	-1	SSE	1	ffo	56	97	2	<150	St	10	-	10	0
Malin Head	1003.0	0	SSE	1	o	61	97	7	4000	St.Cu	10	-	10	*
Renfrew	1007.2	0	-	0	ffo	52	97	3	4000	St.Cu	10	-	10	*
Inchkeith	1007.3	-1	ENE	2	mc	55	92	5	-	St.Cu	3	A.Cu	6	*
Eskdalemuir	1009.1	+1	-	0	o	51	97	6	2500	St.Cu	10	-	10	*
Tynemouth	1009.0	0	-	0	mb+	57	97	4	-	-	0	A.St	3	0
Blacksod Point	1003.5	+6	N	6	orr	53	97	4	450	St	10	-	10	6
Donaghadee	1006.5	-1	SW	3	o+	60	92	8	-	-	0	A.St	10	1
Birr Castle	1002.3	*	S	2	c-	61	92	8	2500	Cu	7	-	7	*
Baldonnell	1005.6	+1	SSW	4	o+	61	85	8	1500	Nb	9	-	9	*
Holyhead	1007.8	+1	S'W	4	o	61	92	9	4000	St.Cu	10	-	10	1
Liverpool (Bidston)	1009.1	+1	SE'E	3	b	58	92	6	5750	Cu	2	-	2	*
Manchester (Alex.Pk.)	1009.9	+1	SSE	3	bc+	55	92	5	2500	St.Cu	1	A.Cu	5	*
Howden	1010.5	+1	S'E	1.8	bc+	54	97	4	4000	St	1	A.St	4	2
Spurn Head	1011.9	0	S	3	b-	57	92	7	2500	St	3	-	3	2
Nottingham	1011.2	*	S	2	b-	59	92	6	-	-	0	A.Cu	1	*
Cranwell	1012.0	+1	S'W	3	b	53	97	6	-	-	0	A.St	6	3
Gorleston	1013.4	+1	SW'S	2	bc+	61	85	7	-	-	0	A.Cu	3	*
Pulham	1013.0	+1	S	1	b	60	97	8	5750	St	2	Ci.Cu	1	1
Felixstowe	1014.5	+2	S	3	b	62	92	8	-	-	0	Ci	*	0
Valéncia (Cahirciveen)	1004.8	+6	NNW	6	ofr+	56	92	5	1500	St	10	-	10	0
Roches Point	1004.1	0	SW	6	o	60	92	7	1500	St	10	-	10	0
Pembroke (St.Ann's H.)	1009.0	+2	SSW	4	o+	60	97	8	1500	St	10	-	8	*
Ross-on-Wye	1011.0	+2	SW	1	c	60	92	8	2500	St.Cu	8	-	9	*
Benson	1012.5	+3	SSE	2	o	62	92	6	-	St.Cu	9	-	10	*
S. Farnborough	1012.8	+3	E'S	1	o	61	92	6	1500	St	10	-	3	*
London (Kew Obsy.)	1013.1	+2	S	2	b+	60	92	6	4000	Cu	2	Ci	10	*
Croydon	1013.2	+2	S	1	o	60	97	6	800	St	10	-	1	*
Clacton-on-Sea	1013.2	+1	SSE	3	b-	63	85	8	-	-	0	A.St	3	0
Shoeburyness	1013.8	+2	SW	1	mb-	61	92	5	-	-	0	-	0	0
Grain	1013.9	+3	-	0	b	60	92	7	-	-	0	Ci	2	*
Lympne	1014.0	+2	S	2	b	61	97	7	-	-	0	Ci.St	2	*
Scilly (St. Mary's)	1008.3	+1	SSE	2	bc+	59	97	8	4000	Cu Nb	6	-	6	5
Falmouth	1010.3	+2	SSW	1	o	59	97	5	1500	St	10	-	10	0
Plymouth	1010.7	+2	SSE	2	o+	59	97	8	450	St	5	Ci.St	9	1
Portland Bill	1012.1	+3	SSE	2	b-	62	85	8	-	-	0	Ci.St	3	0
Calshot	1012.7	+2	S	2	c	63	92	7	1500	St.Cu	4	Ci.St	8	3
Dungeness	1013.6	+1	S	3	b-	63	97	7	-	-	0	A.Cu	1	0
Jersey 7h / Guernsey 1h	1011.7	0	E	2	b	64	85	8	-	-	0	Ci	1	0

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature.* Max. Day °F.	Temperature.* Min. Night °F.	Rainfall.† Night 17h.-9h. 8h.-9h. mm.	Rainfall.† Day 9h.-17h. 9h.-9h. mm.	Sunshine. Sunrise to 17h. 9h. hr.	Sunshine. Sunrise to Sunset. 8h. hr.
Banff	b	b	51	32	-	-	9.0	4.7
Montrose	b	b	54	49	-	-	9.1	5.3
Llandudno	*	*	47	33	-	-	9.2	0.0
Colwyn Bay	b	b	54	33	-	-	9.6	0.3
Rhyl	b	b	46	32	-	-	9.4	2.0
Southport	b	bc	54	33	-	-	8.2	0.0
Blackpool	c	bc	54	34	0.3	-	8.4	0.0
Harrogate	bw	b	40	49	-	-	9.1	0.0
Skegness	8.0	o	64	60	-	-	9.4	0.8
Aberystwyth								
Bath	b	b	49	32	-	-	9.4	7.5
Leamington Spa	bg	bc	48	46	-	-	8.3	6.4
Lowestoft	bc	bc.o.o	69	59	-	-	5.0	1.8
Felixstowe	bcw	cmy	64	59	-	-	6.7	2.3
Southend	oc.b	b.bo	48	36	-	-	7.3	4.3

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 8h.-9h. mm.	Rainfall.† Day 9h.-17h. 9h.-9h. mm.	Sunshine. Sunrise to 17h. 9h. hr.	Sunshine. Sunrise to Sunset. 8h. hr.
Paignton	w.b	b.bc.c.o	68	54	-	-	7.0	0.2
Ilfracombe	b	b.bc.c.o	54	61	-	-	8.1	9.1
Bude	w.b.bc	bc.c	46	44	-	-	5.6	9.2
Penzance	bc	c.o	66	58	-	-	2.8	1.4
Torquay	b	b.bc.c.r.	68	58	-	-	7.4	1.5
Weymouth	b	b.bc.c	63	55	0.1	-	7.9	3.4
Bournemouth	?	?	64	51	0.3	-	8.0	2.8
Portsmouth (S'thsea)	b	b	55	55	-	-	8.5	5.8
Worthing	b	b	50	53	-	-	9.9	3.3
Brighton	bc	bc	54	55	-	-	9.0	0.0
Eastbourne	*	*	51	53	-	-	9.4	8.1
Hastings	b	b.bc.c	54	59	-	-	9.4	3.0
Folkestone	bc	bc	53	34	-	-	7.4	6.0
Tunbridge Wells	b	bc.b	48	55	-	-	8.1	2.5
Ramsgate	bc	bc	56	60	-	-	7.0	4.1
Margate	b.bc.o	bc.o	54	?	-	-	?	1.5
Deal	b	bc	51	51	-	-	6.9	

* 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. B21873 TUESDAY, 11th OCTOBER 1921. Page 1.

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	Sea 0-9
Lerwick	1011.0	0	-	0	of	53	94	1	-	-	0	ASt	10	*
Stornoway	1011.0	+2	NNE	4	oror₀	52	94	6	450	St	10	-	10	*
Wick	1004.8	+2	WNW	2	bcz	54	97	6	450	St	3	ACu	5	*
Castlebay	1009.1	+1	N	5	orr	53	97	6	1500	Nb	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1008.8	+1	SW	1	b/f	71	65	7	2500	Cu	1	*	1	*
Malin Head	1006.5	+4	SSW	2	c	64	92	8	4000	Cu	8	-	8	*
Renfrew	1010.0	+2	S	3	o-	65	85	8	2500	StCu	9	-	9	*
Inchkeith	1009.9	+2	WSW	3	bcf	64	75	8	-	StCu	5	-	5	*
Eskdalemuir	1011.6	+2	SSW	4	o/r	60	85	8	1500	StCu	10	-	10	*
Tynemouth	1011.3	+2	SW	2	c	66	85	4	4000	CuNb	8	-	8	*
Blacksod Point	1009.9	+5	NNW	6	or	54	85	4	1500	St	10	-	10	*
Donaghadee	1009.8	+3	SW	3	o+	63	85	8	5750	StCu	9	-	9	*
Birr Castle	1006.2	*	S	2	o+	62	85	6	4000	StCu	9	-	9	*
Baldonnell	1008.2	+3	S	3	bc	66	75	8	2500	Cu	5	Ci	6	*
Holyhead	1010.4	+3	S	3	bc	63	85	8	2500	StCu	2	Ci	3	*
Liverpool (Bidston)	1011.8	+2	SSE	1	bc+	67	65	8	4000	StCu	6	-	6	*
Manchester (Alex. Pk.)	1012.9	+3	SW	3	bc+	71	65	8	2500	CuNb	3	CiSt	6	*
Howden	1012.9	+2	SSW	3	bc	71	65	5	2500	Cu	3	CiSt	6	*
Spurn Head	1013.8	+2	SSW	3	bc	72	65	7	4000	Cu	3	Ci	5	*
Nottingham	1013.5	*	S	2	bc+	71	65	8	2500	CuNb	1	CiSt	6	*
Cranwell	1014.0	+2	S	3	c+	71	75	8	2500	[illegible] Cu	4	CiSt	8	*
Gorleston	1015.8	+2	SSW	4	b-	66	85	7	4000	Cu	1	Ci	2	*
Pulham	1014.1	0	S	4	c+	76	75	9	4000	StCu	2	Ci	7	*
Felixstowe	1015.8	+1	SE	2	b+	68	75	8	-	-	0	CiSt	3	*
Valencia (Cahirciveen)	1010.7	+3	N	3	o	56	85	8	1500	StCu	8	A.St	10	*
Roches Point	1009.6	+4	NW	3	c-	61	85	8	2500	StCu	3	CiSt	7	*
Pembroke (St. Ann's H.)	1012.3	+3	SSE	2	o⊕	62	92	8	4000	Cu	2	CiSt	9	*
Ross-on-Wye	1012.3	+1	SE	1	c	70	65	8	4000	Cu	1	CiCu	7	*
Benson	1013.0	0	S	2	bc	74	65	8	-	Cu	1	CiSt	5	*
S. Farnborough	1013.6	0	S'E	2	bc-	74	65	8	5750	Cu	1	CiSt	6	*
London (Kew Obsy.)	1013.6	-1	SE	2	c⊕	73	65	8	-	-	0	Ci	7	*
Croydon	1013.7	+1	S'E	1	c	74	55	8	*	-	0	CiSt	8	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1014.6	0	SSW	1	bcf	73	65	7	4000	Cu	1	Ci	4	*
Grain	1014.6	+1	-	0	c+	67	85	7	4000	Cu	5	Ci	7	*
Lympne	1014.9	0	S	3	bc	70	65	9	4000	Cu	1	CiSt	6	*
Scilly (St. Mary's)	1010.2	0	SE'E	1	or-	61	97	7	1500	St	10	-	10	*
Falmouth	1010.8	0	E	4	o/r	61	97	5	1500	Nb	10	*	10	*
Plymouth	1012.0	+2	SE	3	oR-	62	92	7	<150	Nb	10	-	10	*
Portland Bill	1014.4	+2	ESE	3	o+	65	85	8	-	-	0	ASt	10	*
Calshot	1013.8	+1	ESE	3	c+	65	92	8	2500	StCu	1	Ci	8	*
Dungeness	1014.7	+1	-	0	bc	70	75	8	-	Nb	5	-	5	*
Jersey	1012.6	0	E	2	o	66	85	8	4000	StCu	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	1010.8	+2	NNE	4	odd₀	50	97	5	-	Nb	10	-	10	3
Stornoway	1014.6	+4	NNE	4	o/r	51	92	6	480	St	10	-	10	3
Wick	1011.6	+4	NNW	2	om	53	97	6	800	St	10	-	10	0
Castlebay	1013.5	+4	N	5	orr	52	97	5	1500	Nb	10	-	10	5
Nairn	1012.3	*	E	1	od	55	92	7	1500	St	10	-	10	*
Aberdeen	1011.9	+5	SSW	2	c+	63	85	6	2500	Cu	6	aCu	8	0
Malin Head	1010.4	+4	-	0	imo	57	97	5	800	St	10	-	10	2
Renfrew	1013.1	+5	-	0	od₀	62	85	8	1500	StCu	9	aSt	10	*
Inchkeith	1013.0	+3	WSW	2	bc	62	85	8	-	StCu	5	-	5	2
Eskdalemuir	1014.8	+4	S'W	1	o	58	92	8	1500	StCu	10	-	10	*
Tynemouth	1013.8	+3	SW	1	bc-	66	75	5	2500	St	4	aCu	6	0
Blacksod Point	1013.9	+4	N	6	od	54	92	6	1500	St	10	-	10	6
Donaghadee	1012.3	+3	SW	2	o+	60	92	8	2500	St	10	-	10	3
Birr Castle	~~1014.2~~ [1010.7]	*	W	1	o+	57	97	6	450	St	10	-	10	*
Baldonnell	1011.3	+4	SSW	4	bc-	60	85	8	2500	StCu	3	aSt	5	*
Holyhead	1013.1	+4	S	2	c	61	92	8	-	-	0	ASt	8	1
Liverpool (Bidston)	1013.0	+2	SE	2	bc+	65	75	7	1500	Cu	4	-	4	3
Manchester (Alex. Pk.)	1014.5	+3	SE	2	c+	62	85	4	4000	StCu	5	aSt	8	*
Howden	1014.6	+2	SSW	2	fo	63	85	5	1500	St	2	CiSt	9	*
Spurn Head	1015.2	+2	S	2	b	63	85	7	1500	St	4	aSt	9	2
Nottingham	1015.0	*	S	1	bc	64	85	5	2500	StCu	5	-	5	*
Cranwell	1015.6	+3	SE'S	1	o	62	92	7	2500	St	3	CiSt	10	*
Gorleston	1016.7	+1	SW'S	2	bc+	61	92	7	-	-	0	ASt	5	0
Pulham	1015.9	+2	SE	1	fb	63	97	3	7250	StCu	2	CiSt	3	*
Felixstowe	1016.3	+2	E	2	bc+	64	92	8	-	-	0	aSt	5	1
Valencia (Cahirciveen)	1013.7	+4	N	4	o	56	85	8	1500	StCu	10	-	10	3
Roches Point	1012.9	+3	NW	3	o	57	92	8	2500	StCu	10	-	10	3
Pembroke (St. Ann's H.)	1012.3	0	E	1	o	61	92	8	4000	Cu	1	aSt	10	3
Ross-on-Wye	1013.4	+1	SW'S	1	bc-	65	35	7	-	-	0	aCu	6	*
Benson	1014.7	+2	SSE	2	o+	65	85	8	-	StCu	9	*	9	*
S. Farnborough	1015.0	+2	SE	2	o	67	75	8	-	-	0	aCu	10	*
London (Kew Obsy.)	1015.5	+2	SE	1	o	67	75	6	7250	Cu	4	aCu	9	*
Croydon	1015.2	+2	SSE	1	o+	66	75	8	*	-	0	aCu	9	*
Clacton-on-Sea	1015.6	+1	E	2	bc	65	92	7	-	-	0	ASt	5	0
Shoeburyness	1015.8	+2	SE	1	b	64	85	7	4000	Cu	1	Ci	3	*
Grain	1015.8	+2	E	2	c+	66	85	7	5750	StCu	2	aSt	7	0
Lympne	1015.4	+2	E	1	c	65	75	8	5750	StCu	5	CiSt	8	*
Scilly (St. Mary's)	1010.4	0	ENE	1	o/r	59	97	8	4000	St	9	-	9	5
Falmouth	1011.8	+1	SE	3	ffo	61	97	6	-	StCu	8	aSt	9	*
Plymouth	1013.2	+4	E	2	o/r	64	92	8	800	StCu	10	-	10	*
Portland Bill	1014.4	0	ESE	2	bc-	64	85	8	-	-	0	CiCu	6	1
Calshot	1014.8	+2	ESE	3	o	64	97	8	7250	StCu	10	-	10	0
Dungeness	1015.1	+1	E	2	c+	66	85	8	-	-	0	ACu	8	2
Jersey	1013.0	0	E	2	o	67	85	8	4000	StCu	5	CiCu	9	0

London Observations

24 Hours ended 0900 G.M.T. 11th (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 Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
Kew (24 hours ended 0700)	bwowc	cyco	oor₀off₀	*	*	51	-	0.2	4.4	*	*
Croydon (24 hours ended 0700)	o1mcy	cyco	ecrrbcm	*	*	54	-	4	5.7	*	*
Greenwich (Royal Obsy.)	c⊕	co	o/ffRbm	79	57	48	-	8	5.0	52	91
City (Bunhill Row)	*	*	*	*	*	*	*	*		*	*
Westminster (St. James' Pk.)	*	*	*	78	60	55	-	4		59	88
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	4.4	*	*
Camden Sq. (Brit. Rainfall)	o	cbc	*	78	58	54	-	5	*	60	100
Kensington Palace	bc	co	*	78	59	54	-	4	*	68 (18h)	97
Hampstead Observatory	*	*	*	75	60	51	1	4		*	92

Atmospheric Pollution.
Mgm. of Solid impurity per million cubic yards.

24 Hr. ended 1800 G.M.T. 10th

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.
0.4 1.2	20h 9th 7h 10th	<0.2	24h 9th

Solar Radiation.
Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 10th 18 h 15 m. to 11th 05 h 15 m.

Stars.	Exposure h. m.	Record h. m.	Record %
Polaris	11.0	3.32	32
δ Ursae Minoris	11.0	3.31	32

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

11th & 12th OCTOBER 1921.

Stations	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	6.13 6.15	11.40 11.40	5.6 5.4
Greenwich	6.19 6.21	11.47 11.47	5.15 5.13
Wick	6.41 6.44	11.59 11.59	5.17 5.14
Valencia	7.0 7.2	12.28 12.28	5.55 5.53

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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.

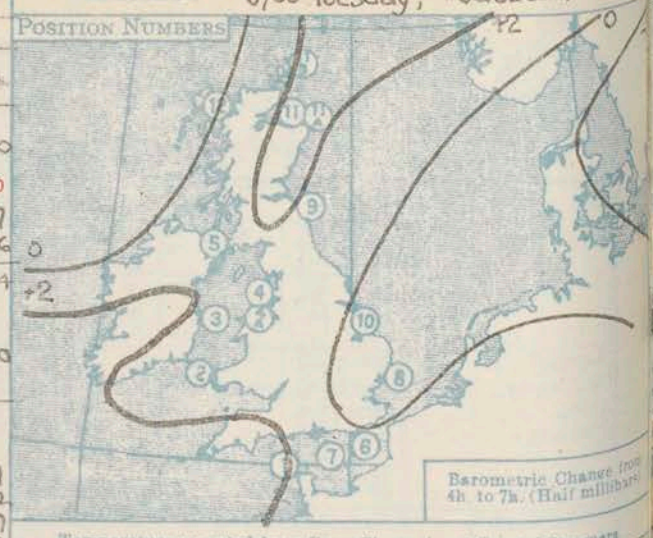
Beaufort No.	Statute miles per hour.	Metres per second.
0	Less than 1.	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.4
11	64-75	28.5-33.5
12	Above 75	33.6 or above

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

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 10th	13h.-18h. 10th	18h.-1h. 10th/11th	1h.-7h. 11th	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	FF	rord	borbc	borbc	53	43	•	0·3	trace	1630	<2100	•
Stornoway	rord	rord	c	oo	52	50	•	T	-	•	-	0·0
Wick	beffm	off	om	oo	59	50	•	-	-	-	-	•
Castlebay	RR	rr	rro	ddff	53	51	•	17	5			0·0
Nairn	rord	rord	r ord		61	50	•	0·5	4	1630	<2100	1·7
Aberdeen	ofbim	becim	ofo.co		71	52	51	-	0·2	-	<2100	4·6
Malin Head	oo	form bo	ff	FF	64	56	•	0·5	1	1430	<2100	0·4
Renfrew	omo	oo	ocbco	oomio	67	53	43	trace	-	-	-	?
Inchkeith	form	borbo	r ord		66	[illegible]	52	-	8	-	0330	•
Eskdalemuir	orro	oo	oo	ofeo	61	49	44	1	0·1	-	-	0·0
Tynemouth	cfem	fem	FeFe	bff m	69	55	•	trace	trace	-	0630	•
Blacksod Point ...	rord	rord	rord	rord	56	52	•	5	2	-	-	•
Donaghadee	cq	em	om	omd	65	54	•	•	0·2	-	0630	•
Birr Castle	em	oirr	odull	odod	[illegible]	54	53	0·3	0·2	1430	-	0·7
Baldonnell	cprr	c	oo	oo	67	53	50	trace	-	11·0	-	6·2
Holyhead	obe	bcc	copdbc	oo	66	57	50	[illegible]	0·2	•	2200	5·7
Liverpool (Bidston) ...	borbo	borbe	c		69	58	53	-	-	-	-	6·3
Manchester (Alex.Pk.)	bemtzbe	bezc	cbem	bemefe	71	57	52	-	trace	-	0230	•
Howden	c	c	oo	form	74	56	49	-	trace	-	0630	10·1 ~~5·6~~
Spurn Head	borbe	borbe	oo	oo	74	57	•	-	-	•	-	8·4
Nottingham	borbe	c	lro		74	59	56	-	13	-	0130	8·1
Cranwell	borbe	c	imim	form	72	55	47	-	-	-	-	8·1
Gorleston	cbcb	borbc	ome	omlpc	73	59	53	-	-	-	-	8·5
Pulham	c	c	rord	c	76	54	49	-	0·3	-	0130	9·2
Felixstowe	borbo	borbe	roc	roc	69	57	55	-	1	-	2400	9·3
Valencia (Cahirciveen)	oir	c	o	opdo	56	54	52	1	0·2	-	0530	0·0
Roches Point	oo	oo	oo		62	54	•	?	0·2	-	-	•
Pembroke (St.Ann's H.)	oo	oo	oo	if	63	58	•	-	-	-	-	0·3
Ross-on-Wye	ocbec	oc	tco	om	70	54	48	-	-	-	-	3·3
Benson...	borbe	c	f r m		75	54	50	-	-	-	-	•
S. Farnborough ...	oo	oo	F		76	55	49	-	0·3	-	<2100	3·5
London (Kew Obsy.) ...	bowc	eyco	oorro	FFw	76	57	51	-	0·2	-	<2100	4·4
Croydon	oimcy	eyco	oatl r m	ocbcm	77	59	54	-	4	-	<2100	5·7
Clacton-on-Sea ...	bcz	bcz	beczm	cmpl	70	57	55	-	0·2	-	2200	8·9
Shoeburyness	borbe	borbe	Ftlr		75	56	50	-	0·5	-	<2100	8·3
Grain	borbe	c	r or d		76	58	?	-	0·2	-	<2100	8·4
Lympne	obecbcem	be.c	crrrtpl	bcmmf	73	57	48	-	1	-	<2100	8·0
Scilly (St. Mary's) ...	omir	p	oo	oow	61	57	•	3	0·1	9·0	-	0·0
Falmouth	orrm	omogm	omtlr	otlr	62	57	53	12	16	11·0	<2100	0·0
Plymouth	rord	p	oo	form	67	60	58	6	0·2	1230	2400	2·3
Portland Bill	oo	c	borbc	oo	66	57	•	-	-	-	-	•
Calshot	borbc	oo	c	F	68	60	59	-	-	-	-	5·6
Dungeness	c	c	ittl	cwfm	71	58	•	-	0·6	-	<2100	•
Jersey	bco	co	b	boo	69	60	•	-	-	-	-	2·5

ISALLOBARS. 0700 Tuesday, October 11th, 1921.



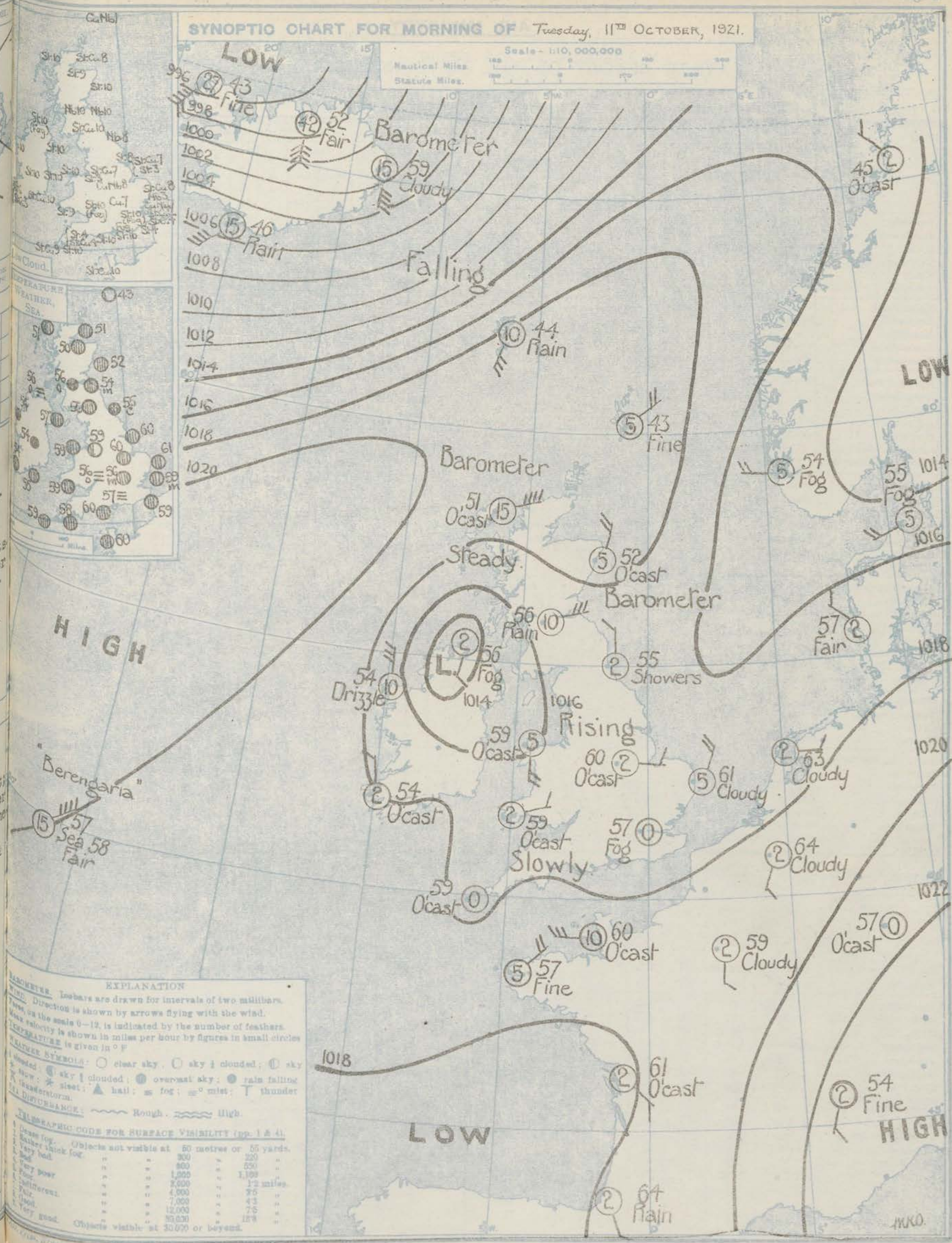
Temperature reported from Cross Channel and Coastal Steamers

Position Number	6	3
Date	10th	10th
Time G.M.T.	0400	1005
Sea ° F.	63	58
Air ° F	64	61

GENERAL INFERENCE.

The shallow depression centred over Northern Ireland will probably cause further showers or rain in the Northern districts. No further disturbance is however indicated and the Atlantic anticyclone will probably spread Eastward over the Kingdom again.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 11th October, 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light Westerly or variable winds; fair generally; morning mist or fog, day visibility fair to good; temperature somewhat lower than of late.	Fair and warm in the South-East; doubtful for other districts but some probability of return to settled fair conditions.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Light variable winds; cloudy, some local showers or drizzle at first then fairer; morning mist or fog, day visibility fair to good; warm.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Wind North to North-East light or moderate; cloudy, local showers or drizzle, improving; some local mist; temperature moderate to rather warm.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As for 7 - 13.	


SYNOPTIC CHART FOR MORNING OF Tuesday, 11TH OCTOBER, 1921.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
996
27 43 Fine
998
42 52 Fair
Barometer
1000
1002
1004
15 59 Cloudy
1006
15 46 Rain
1008
Falling
1010
1012
1014
1016
1018
1020
10 44 Rain
5 43 Fine
Barometer
51 O'cast 15
Steady
5 52 O'cast
Barometer
56 Rain 10
2 56 Fog
1014
1016
2 55 Showers
54 Drizzle 10
59 O'cast 5
Rising
60 O'cast 2
5 61 Cloudy
2 63 Cloudy
1020
"Berendaria"
15 57 Sea 58 Fair
2 54 O'cast
2 59 O'cast
57 Fog 0
Slowly
59 O'cast 0
2 64 Cloudy
1022
10 60 O'cast
5 57 Fine
2 59 Cloudy
57 O'cast 0
1018
2 61 O'cast
2 64 Rain
LOW
HIGH
45 2 O'cast
LOW
5 54 Fog
55 Fog 5
1014
1016
57 2 Fair
1018
HIGH
2 54 Fine
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 clouded; sky ½ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough. High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Thicker than fog. " " 200 " 220 "
2 Very bad. " " 500 " 550 "
3 Bad. " " 1,000 " 1,100 "
4 Very poor. " " 2,000 " 1½ miles
5 Poor. " " 4,000 " 2½ "
6 Indifferent. " " 7,000 " 4½ "
7 Fair. " " 12,000 " 7½ "
8 Good. " " 20,000 " 12½ "
9 Very good. " " 30,000 " 18½ "
Objects visible at 30,000 or beyond.
MKO.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. TUESDAY, 11TH OCTOBER 1921. No. 284.

Observations at 0100 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	1016.8	+6	N	3	b-	49	92	8	-	Nb	3	-	3	*
Stornoway	1019.7	+3	NE	4	o-	*	*	*	*	*	*	*	*	*
Wick	1017.9	+5	NW	3	o/f	51	92	8	1500	St	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1013.4	0	NW	1	ff o	56	97	3	800	St	10	-	10	*
Renfrew	1016.4	+2	-	0	o	55	92	8	4000	St.Cu	10	-	10	*
Inchkeith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1016.6	+1	-	0	o	53	97	7	2500	St	10	-	10	*
Tynemouth	1016.4	+1	-	0	fo-	58	97	2	<150	St	10	-	10	*
Blacksod Point ...	1016.4	+4	N	4	od	53	92	6	1500	St	10	-	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1015.3	+2	-	0	c	56	92	7	2500	St.Cu	8	-	8	*
Holyhead	1015.2	+1	-	0	od	*	*	8	800	St	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1016.6	+1	-	0	mmo	58	92	5	1500	St	6	A.St	9	*
Spurn Head	1018.2	+1	S	2	o	59	92	7	5750	St.Cu	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1017.5	+2	SSE	2	c-	57	97	6	4000	St.Cu	7	-	7	*
Gorleston	1017.3	+1	-	0	o	60	97	7	2500	St	10	-	10	*
Pulham	1017.6	+1	-	0	o/r	59	97	6	7250	St.Cu	10	-	10	*
Felixstowe														*
Valencia (Cahirciveen)	1017.9	+3	NNW	3	o	55	*	*	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1015.4	+2	ENE	1	o	61	92	8	2500	St	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1017.2	0	-	0	o/fk	60	97	8	-	-	0	Ci	9	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1017.2	+2	E's	2	bc-	60	92	7	2500	St.Cu	5	-	5	*
Scilly (St. Mary's) ...	1015.8	+4	WNW	3	o	60	97	8	-	-	0	Ci.St	10	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1015.3	+2	SE	2	mo	61	97	4	<150	St	10	-	10	*
Portland Bill	1016.7	+2	SSW	2	b	60	85	8	-	-	0	-	0	*
Calshot	1016.9	+2	-	0	b	62	97	8	4000	St	1	-	1	*
Dungeness	1014.9	+1	NE	2	c-	62	92	8	-	CuNb	7	-	7	*
Jersey 7h } Guernsey 1h }	1017.3	+3	WSW	3	c+	64	85	8	5750	Nb	7	-	7	*

Observations at 0700 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	1019.4	+3	NE	2	b	43	97	8	-	CuNb	1	Ci.Cu	3	1
Stornoway	1018.1	0	ENE	4	o	51	92	7	800	St	10	-	10	3
Wick	1019.1	+2	NE	3	o	51	92	9	2500	St.Cu	8	A.St	10	0
Castlebay	1016.8	0	N	2	ododo	54	92	5	1500	Nb	10	—	10	3
Nairn	1018.8	*	E	1	o/r	50	97	7	1500	St	9	-	9	*
Aberdeen	1019.3	+2	N'E	2	o	52	92	8	1500	St	10	-	10	0
Malin Head	1013.5	0	SSW	1	fo+	56	97	1	450	St	10	-	10	1
Renfrew	1017.3	+2	ENE	3	o	56	97	5	1500	Nb	10	-	10	*
Inchkeith	1017.5	+4	ESE	3	mo-	54	97	5	-	Nb	10	-	10	2
Eskdalemuir	1017.3	+1	N	2	o	56	92	8	1500	St.Cu	10	-	10	*
Tynemouth	1017.0	+1	N	1	c/pr	55	97	5	5750	Nb	8	-	8	0
Blacksod Point ...	1017.4	+1	N	3	od	54	92	6	1500	St	10	-	10	4
Donaghadee	1015.6	+1	-	0	mo-	57	97	6	2500	St	10	-	10	0
Birr Castle	1016.6	*	W	1	od	54	97	5	450	St	10	-	10	*
Baldonnell	1016.7	+2	WSW	2	o	53	92	6	800	St	10	-	10	*
Holyhead	1015.9	+1	S	2	o	59	97	7	800	St	10	-	10	0
Liverpool (Bidston) ...	1016.1	+1	SE	1	bc	59	92	3	4000	St	3	Ci.Cu	7	1
Manchester (Alex.Pk.)	1016.7	+1	-	0	c	57	92	3	2500	St.Cu	7	A.Cu	8	*
Howden	1017.2	+1	-	0	o	56	97	4	800	St	8	A.St	10	*
Spurn Head	1017.0	0	SE	1	o	60	92	5	1500	St.Cu	10	-	10	1
Nottingham	1017.2	*	E	1	o-	60	97	4	1500	CuNb	8	A.Cu	9	*
Cranwell	1017.8	0	SSE	1	c/f	58	97	6	4000	St.Cu	8	-	8	*
Gorleston	1017.8	0	N'E	2	c+	61	92	7	7250	St.Cu	8	-	8	0
Pulham	1017.5	0	-	0	bc/r	59	97	6	-	-	0	A.Cu	5	*
Felixstowe	1018.1	+1	-	0	mbc+	58	97	4	7250	St.Cu	3	A.St	5	0
Valencia (Cahirciveen)	1018.0	+2	N'W	1	o/r	54	92	7	450	St	9	-	9	1
Roches Point	1018.1	+1	WNW	2	o	55	92	8	2500	St.Cu	10	-	10	0
Pembroke (St. Ann's H.)	1017.2	+1	ENE	1	o/f	59	97	8	1500	St	9	-	9	3
Ross-on-Wye	1016.9	+1	-	0	fo-	56	97	3	450	St	10	-	10	*
Benson	1017.2	0	-	0	mc-	56	92	4	-	Cu	7	-	7	*
S. Farnborough ...	1017.6	0	-	0	ffb	57	97	1	-	St	10	-	0	*
London (Kew Obsy.) ...	1017.8	0	-	0	ffo	57	97	0	<150	St	10	-	10	*
Croydon	1017.5	0	S	2	bc-	61	97	5	2500	St.Cu	2	Ci	4	0
Clacton-on-Sea ...	1017.7	+1	W	1	mmc	59	92	4	4000	CuNb	7	-	7	*
Shoeburyness	1018.0	0	NE	1	fb-	59	92	2	5750	St.Cu	2	-	2	0
Grain	1017.7	+1	-	0	b/r	60	97	5	5750	St.Cu	3	-	3	*
Lympne	1017.7	0	-	0	Fbc+	58	97	1	5750	St.Cu	4	A.Cu	5	*
Scilly (St. Mary's) ...	1017.5	+2	-	0	o	59	97	8	4000	St.Cu	9	-	9	2
Falmouth	1018.5	+3	NW	2	o	58	97	9	1500	St	10	-	10	*
Plymouth	1017.7	+3	WNW	2	c-	60	92	7	800	St	8	-	8	1
Portland Bill	1017.2	+1	SW	2	o+	60	85	8	450	St	10	-	10	2
Calshot	1017.5	+1	SW'S	1	mo-	62	97	5	802 ~~450~~	St	10	-	10	0
Dungeness	1017.8	+1	-	0	bc-	59	97	4	800	St	4	Ci.Cu	6	0
Jersey 7h } Guernsey 1h }	1018.6	+1	W	3	o	60	85	8	4000	St.Cu	10	-	10	3

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 9°-10° mm.	Rainfall.† Day 9h.-17h. 10° mm.	Sunshine. Sunrise to 17h. 10° hr.	Sunshine. Sunrise to Sunset. 9° hr.
Banff	mbc	bccom	69	53	-	-	3.1	9.0
Montrose	of	bcc	67	43	-	-	2.8	9.1
Llandudno	bc.c	c	70	60	-	-	6.4	9.2
Colwyn Bay ...	b	b	71	58	-	-	6.9	9.6
Rhyl	b	bc.c	73	59	-	-	6.0	0.4
Southport	bc.c.bc	bc.c	72	57	-	-	6.4	8.4
Blackpool	bc	c	71	58	-	-	5.6	8.4
Harrogate	mbc	bc	68	53	-	-	4.1	7.1
Skegness	bbc	bc	70	57	-	-	7.7	7.7
Aberystwyth ...	ocb	bco	71	61	-	-	7.3	9.5
Bath	bbc	b.bcco	73	61	-	2	5.4	7.7
Leamington Spa ...	bc	bc	73	46	-	-	6.8	8.3
Lowestoft	bc	bcw	71	61	-	-	8.4	5.0
Felixstowe	b	bc	69	62	-	-	9.6	6.7
Southend	bc.b	b.bc	77	50	-	-	8.4	7.3
Paignton	bcop	orc	66	60	-	2	2.2	7.6
Ilfracombe	b	bbecor	69	60	-	10	5.6	8.1
Bude	w.bc.c	ber.bc	69	59	-	7	3.4	5.6
Penzance	cor	cor	63	59	1	9	0.0	2.8
Torquay	co	od.ro	77	61	-	1	2.3	0.0
Weymouth	c	c	70	60	-	-	2.7	7.9
Bournemouth ...	bc	bco	68	59	-	-	3.8	8.0
Portsmouth (S'thsea)	b	c	70	62	-	-	4.0	8.5
Worthing	b	bcc	70	62	-	-	6.6	9.9
Brighton	b.bc	co	71	61	-	-	6.2	9.0
Eastbourne	b	bcco	70	61	-	-	6.2	9.7
Hastings	b	bbc.co	70	61	-	-	8.4	9.7
Folkestone	bc	bc	73	60	-	-	8.1	7.4
Tunbridge Wells ...	o'bc	bcb	76	57	-	-	5.6	8.1
Ramsgate	b	bc	72	60	-	-	7.9	7.0
Margate	b	bc	75	62	-	-	7.2	7.1
Deal	b	bc.c	74	61	-	-	8.9	6.9

* 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.21874 WEDNESDAY, 12th OCTOBER 1921. Page 1.

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	Sea. 0-9
Lerwick	1019.4	0	SSW	1	bc+	50	75	8	-	CuNb	3	Ci	5	*
Stornoway	1016.7	-1	ENE	1	o	55	85	7	800	St	10	-	10	*
Wick	1018.7	-1	SE	3	o	52	85	9	5750	St.Cu	10	-	10	*
Castlebay	1015.7	0	ENE	2	odd	57	97	4	800	Nb	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1019.6	-1	E'N	2	o	53	92	8	1500	St	10	-	10	*
Malin Head	1014.7	0	SSW	1	fo-	56	97	2	450	St	10	-	10	*
Renfrew	1017.5	-1	NE	3	oDD	54	97	4	1500	Nb	10	-	10	*
Inchkeith	1017.9	-1	SE	2	FFo	53	97	1	*	St	10	-	10	*
Eskdalemuir	1017.5	0	NE	2	o	58	92	6	450	St	10	-	10	*
Tynemouth	1017.2	0	N	2	c/r	57	92	6	5750	St.Cu	7	-	7	*
Blacksod Point	1018.1	+1	NW	2	odₒ	55	92	7	1500	St	10	-	10	*
Donaghadee	1016.0	0	-	0	o/r	58	92	7	2500	St	10	-	10	*
Birr Castle	1017.2	*	W	1	c-	58	92	8	2500	Cu	5	-	5	*
Baldonnell	1017.3	0	WSW	2	orₒ	59	85	-	1500	St.Cu	10	-	10	*
Holyhead	1017.1	+1	W	3	o/r	58	97	8	225	St	10	-	10	*
Liverpool (Bidston)	1016.4	0	SE'E	1	c+	66	85	6	2500	CuNb	7	-	7	*
Manchester (Alex. Pk.)	1017.0	-1	SSW	2	o/r	68	85	8	7250	St.Cu	7	Ci.Cu	9	*
Howden	1017.6	-1	SSW	1	o/r	63	92	6	1500	St	9	-	9	*
Spurn Head	1017.2	0	S	2	bc-	68	97	5	2500	St	3	A.Cu	6	*
Nottingham	1017.5	*	ENE	1	o	66	85	7	1500	CuNb	9	-	9	*
Cranwell	1018.0	0	N	1	oprₒ	69	75	7	2500	Cu	10	-	10	*
Gorleston	1018.4	+1	NE	1	b-	67	75	6	-	-	0	A.Cu	2	*
Pulham	1017.3	0	-	0	c	?	85	8	4000	Cu	6	A.Cu	7	*
Felixstowe	1018.4	0	S	2	b	66	85	8	7250	St.Cu	3	-	3	*
Valencia (Cahirciveen)	1018.7	0	WNW	2	c-	59	85	9	1500	St.Cu	5	A.Cu	7	*
Roches Point	1019.3	0	SW	3	o	58	85	8	2500	St.Cu	10	-	10	*
Pembroke (St. Ann's H.)	1019.1	+2	W	4	o	58	85	8	4000	Cu	10	-	10	*
Ross-on-Wye	1016.8	0	SW'W	2	bc-	69	65	7	4000	Cu	2	Ci	4	*
Benson	1017.5	0	WSW	3	o	66	75	7	*	St.Cu	10	-	10	*
S. Farnborough	1017.6	0	SW	3	c-	71	65	8	2500	Cu	8	-	8	*
London (Kew Obsy.)	1017.8	-1	SW	2	b/f	68	75	7	4000	Cu	2	-	2	*
Croydon	1018.1	0	WSW	3	bc-	68	75	8	2500	St.Cu	6	-	6	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1018.2	0	ESE	1	b-	70	55	6	7250	Cu	1	A.Cu	2	*
Grain	1017.9	-1	ENE	2	bc-	66	85	6	4000	Cu	6	-	6	*
Lympne	1018.4	-1	S'W	4	c	72	65	8	2500	St.Cu	7	Ci.St	8	*
Scilly (St. Mary's)	1018.8	+1	S	1	c	65	85	8	4000	CuNb	2	A.Cu	8	*
Falmouth	1019.7	+1	NW	3	cv	66	75	9	4000	St.Cu	6	Ci	7	*
Plymouth	1019.2	+1	NW	2	o	63	75	8	2500	St.Cu	10	-	10	*
Portland Bill	1018.8	+2	SW	2	o	63	85	8	-	-	0	A.St	10	*
Calshot	1018.7	+1	S'W	1	o	62	85	8	1500	St	10	-	10	*
Dungeness	1018.6	+1	SW	3	bc	67	85	7	-	-	0	A.Ci	5	*
Jersey	1019.8	0	SW	3	o	63	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	1018.5	-3	S	2	o-	47	75	8	*	St.Cu	10	-	10	3
Stornoway	1014.9	-3	ENE	2	o	54	97	6	950	St	10	-	10	1
Wick	1016.6	-3	S	3	o	52	85	8	4000	St.Cu	10	*	10	1
Castlebay	1015.1	0	NW	3	orr	53	97	4	800	Nb	10	-	10	3
Nairn	1015.6	*	E	1	o/r	54	92	8	4000	CuNb	9	*	9	*
Aberdeen	1018.5	-1	SE'E	2	o	53	92	8	1500	St	10	*	10	0
Malin Head	1015.7	+1	WNW	2	o/f	53	97	6	800	St	10	*	10	3
Renfrew	1016.6	0	ENE	2	oDD	54	97	4	1500	Nb	10	-	10	*
Inchkeith	1016.9	-1	SE'S	2	FFo	53	97	0	-	St	10	-	10	2
Eskdalemuir	1017.1	0	N'E	1	oprₒ	56	97	4	225	St	9	-	9	*
Tynemouth	1017.0	0	NNW	1	ifo	55	97	3	*	-	0	A.St	10	0
Blacksod Point	1018.9	+2	NW	1	o	53	85	7	800	St	10	-	10	2
Donaghadee	1016.1	0	-	0	bc-	57	85	7	5750	St.Cu	3	Ci.Cu	4	0
Birr Castle	1017.5	*	W	1	o+	57	97	7	4000	St.Cu	9	*	9	*
Baldonnell	1017.9	+1	WSW	3	o	56	92	8	800	St	10	-	10	*
Holyhead	1017.8	+1	S'W	3	o/r	56	92	8	1500	St.Cu	10	-	10	1
Liverpool (Bidston)	1017.8	+2	W	3	o/r	58	92	5	800	St	10	*	10	3
Manchester (Alex. Pk.)	1017.2	+2	W	2	o	62	85	4	2500	St	10	-	10	*
Howden	1017.3	0	-	0	c-	60	97	4	2500	St	6	Ci.St	8	*
Spurn Head	1017.2	0	E	1	c+	61	92	6	1500	St	8	-	8	1
Nottingham	1017.8	*	E	1	fe-	62	97	2	800	St	4	A.Cu	7	*
Cranwell	1017.8	0	ESE	1	c-	60	97	6	-	-	0	Ci.St	7	*
Gorleston	1018.0	0	SSE	1	b	61	92	5	2500	St	2	*	2	0
Pulham	1017.4	0	E	1	bc	64	97	6	?	?	?	?	?	*
Felixstowe	1018.6	+2	SSE	3	bc+	63	97	8	4000	St.Cu	5	*	5	0
Valencia (Cahirciveen)	1019.6	+1	NW	1	b-	55	92	9	1500	Cu	3	-	3	1
Roches Point	1019.7	+1	SW	1	b-	57	92	8	2500	St.Cu	2	-	2	0
Pembroke (St. Ann's H.)	1019.3	+1	W	3	o	58	85	9	4000	Cu	3	A.St	10	3
Ross-on-Wye	1017.8	+2	SW	3	o+	62	85	8	2500	St	10	*	10	*
Benson	1018.0	+2	W	1	o+	63	85	7	*	St.Cu	10	-	10	*
S. Farnborough	1018.8	+2	SW	1	b-	58	85	8	*	-	0	A.St	1	*
London (Kew Obsy.)	1018.8	+2	SW	2	b	63	75	7	4000	St.Cu	2	*	2	*
Croydon	1018.5	+1	SW	1	c+	60	85	7	2500	CuNb	7	-	7	*
Clacton-on-Sea	1018.2	+1	ESE	1	c	64	92	6	4000	Nb	7	*	7	0
Shoeburyness	1018.3	0	W	2	b-	62	85	7	5750	St.Cu	1	A.St	1 2	*
Grain	1018.5	+2	WSW	2	bc-	61	85	7	~~4000~~	~~Cu~~	~~4~~	~~Ci.St~~	~~8~~	0
Lympne	1019.8	+3	SW	4	bc	58	92	8	4000	St.Cu	5	*	5	*
Scilly (St. Mary's)	1019.3	0	-	0	b	59	92	8	4000	Cu	2	-	2	2
Falmouth	1020.7	0	NNW	2	b-	59	85	7	-	St.Cu	1	Ci	2	*
Plymouth	1020.2	+2	N	2	bc	61	85	9	1500	St	2	A.St	6	0
Portland Bill	1018.8	0	WNW	2	b-	61	85	8	*	-	0	Ci	2	2
Calshot	1019.2	+2	SW'W	2	bc-	61	97	8	4000	St.Cu	4	Ci	6	0
Dungeness	1019.2	0	SW	8	b-	61	85	8	-	-	0	-	0	3
Jersey	1019.9	0	WSW	3	o	62	85	8	4000	St.Cu	10	*	10	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. 12th								Yesterday.		To-day.
Kew	ofwefwcz	bcb	b.bc.op.o	*	*	53	-	Tr	6.1	*	*
Croydon (24 hours ended 0700)	bcbcm z	bc bcm	cm o	*	*	52	-	-	8.1	*	*
Greenwich (Royal Obsy.)	c	bc	bc o	74	56	46	-	-	8.0	64	74
City (Bunhill Row)	*	*	*	*	*	*	*	*	5.5	*	*
Westminster (St. James' Pk.)	*	*	*	73	58	53	-	-	5.7	66	71
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*		*	-
Camden Sq. (Brit. Rainfall)	ow	bc	*	73	57	54	-	-	*	61	68
Kensington Palace	b bc	b.bc	*	73	57	55	-	-	*	77 (18h)	76
Hampstead Observatory	*	*	*	70	55	59	-	-	6.4	*	80

Atmospheric Pollution. Lbs. of Solid impurity per million cubic yards. 24 Hr. ended 1600 G.M.T. 11th

	Max.	Time.	Min.	Time.
South Kensington	1 lbs / 2 -	18h to 20h 10th / 8h 11th	1/2 lb	15h. 11th
Kew Observatory	0.8 lbs / 2.0 lbs	16h. 10th / 9h 11th	0.2 lbs	16h. 11th

Solar Radiation. Vertical component per square centimetre. During yesterday.

South Kensington.
Total .... joules
Average Rate .... Milliwatts.
Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 11th 18 h. 15 m. to 12th 05 h. 15 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	11.0	4.32	41
δ Ursae Minoris	11.0	4.31	41

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

12th & 13th October 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.15 / 6.17	11.40 / 11.39	5.4 / 5.1
Greenwich	6.22 / 6.21	11.47 / 11.46	5.13 / 5.10
Wick	6.44 / 6.46	11.59 / 11.58	5.14 / 5.11
Valencia	7.2 / 7.4	12.28 / 12.27	5.53 / 5.50

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1-3	0·3-1·5
2	4-7	1·6-3·3
3	8-12	3·4-5·4
4	13-18	5·5-7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

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

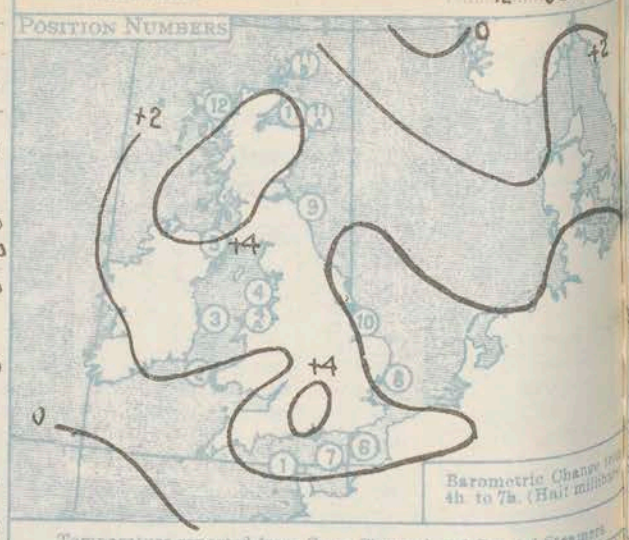
M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 11th	13h.-18h. 11th	18h. 11th to 7h. 12th	7h.-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	b or bc	b or bc	c	r or d	52	47	•	-	2	-	0230	•
Stornoway	oo	oo	oo	r or d	58	46	•	-	1	-	<2100	0.0
Wick	oo	oo	or ir	oc p.q	52	47	•	-	1	-	<2100	•
Castlebay			rrffo	o	57	48	•		2			0.0
Nairn	oo	oo	c		56	46	•	0.2	-	9.0	-	0.0
Aberdeen	oo	oo	omf	bc	53	49	39	-	-	-	-	0.0
Malin Head	FFp	ff	oo	oo	56	47	•	•	-	•	-	0.0
Renfrew	omddfD	odrDD	oido m	omcb	57	44	38	7	0.3	<0800	<2100	?
Inchkeith	F	r or d	b or bc		53	52	49	3	0.1	•	2400	•
Eskdalemuir	oo	omomom	oido	oorro	58	51	44	trace	2	1730	<2100	0.0
Tynemouth	cpm	m	oofe	oom	61	53	•	0.1	trace	•	<2100	•
Blacksod Point ...	r or d	oo	c	c	55	46	•	0.3	-	<0800	-	•
Donaghadee	ofd	bem	do do	bc	58	46	•	1	1	<0800	<2100	•
Birr Castle	odrc	c	ro ro		58	51	49	0.2	0.4	<0800	0630	0.0
Baldonnell	oor	ooido	oo	oo	61	51	50	trace	-	1730	-	0.8
Holyhead	ddirffo	dodono	c	oo	61	55	54	0.4	-	9.0	-	0.0
Liverpool (Bidston) ...	b or bc	r or d	c		68	56	52	8 0.3	-	1530	-	2.2
Manchester (Alex. Pk.)	oopRom	om	ocm		70	56	52	0.3	-	1230	-	•
Howden	r or d	c	f or m	oo	66	51	42	8	-	<0800	-	0.2
Spurn Head	c	c	c	c	68	56	•	-	-	-	-	3.6
Nottingham	ir	irf	b or bc		66	56	52	2	-	<0800	-	0.0
Cranwell	p	c	mmf	mim	69	55	47	0.4	trace	9.0	-	1.3
Gorleston	bc bz	b or bc	b or bc	bcfe	69	57	53	-	-	-	-	4.7
Pulham	c	c	c	c	74	53	45	-	-	-	-	7.6
Felixstowe	b or bc	b or bc	f or m	f or m	70	57	55	-	-	-	-	7.3
Valencia (Cahirciveen)	oc	cbcb	bwbc	bwco	60	45	41	-	trace	-	-	4.0
Roches Point	oo	b or bc	c		60	50	•	-	0.2	-	-	•
Pembroke (St. Ann's H.)	oo	oo	oo	c	59	55	•	-	-	-	-	0.0
Ross-on-Wye	b or bc	cbcbco	oco	oo	70	54	47	-	-	-	-	2.7
Benson	oo	b or bc	oo		69	55	52	-	-	-	-	•
S. Farnborough ...	oo	b or bc	oo		71	52	47	-	-	-	-	4.5
London (Kew Obsy.) ...	qwcfwc	bcb	bbbc	bcopoo	72	58	53	-	trace	-	0630	6.1
Croydon	bcbcmz	bcbcim	cim.o	oim	72	55	52	-	-	-	-	8.1
Clacton-on-Sea ...	cbc	cz	cbcbz	bbcoz	68	57	56	-	-	-	-	6.3
Shoeburyness	b or bc	b or bc	f or m		71	56	52	-	-	-	-	5.1
Grain	f or m	b or bc	c		73	54	50	-	-	-	-	5.5
Lympne	bcmbcc	b or bc	c	oo	73	53	50	-	-	-	-	7.4
Scilly (St. Mary's) ...	b or bc	b or bc	b or bc	oo	65	54	•	-	-	-	-	9.7
Falmouth	cv	cbcz	bmw	bcom	67	51	48	-	trace	-	-	5.3
Plymouth	oo	b or bc	c	b or bc	65	48	46	-	-	-	-	3.7
Portland Bill	oo	b or bc	b or bc	oo	65	58	•	•	-	-	-	•
Calshot	r or d	c	b or bc	f or m	65	52	49	trace	-	1230	-	1.5
Dungeness	b or bc	b or bc	b or bc	c	68	52	•	-	-	-	-	•
Jersey	o	oco	obw	bw	65	54	•	-	-	-	-	0.7

ISALLOBARS. 12th October

POSITION NUMBERS



Temperature reported from Cross Channel and Coastal Steamers

Position Number.	7	6	3	1	6						
Date	11th	11th	11th	11th	12th						
Time G.M.T.	0222	0301	1000	1222	0345						
Sea °F.	63	62	58	62	62						
Air °F.	65	64	57	64	58						

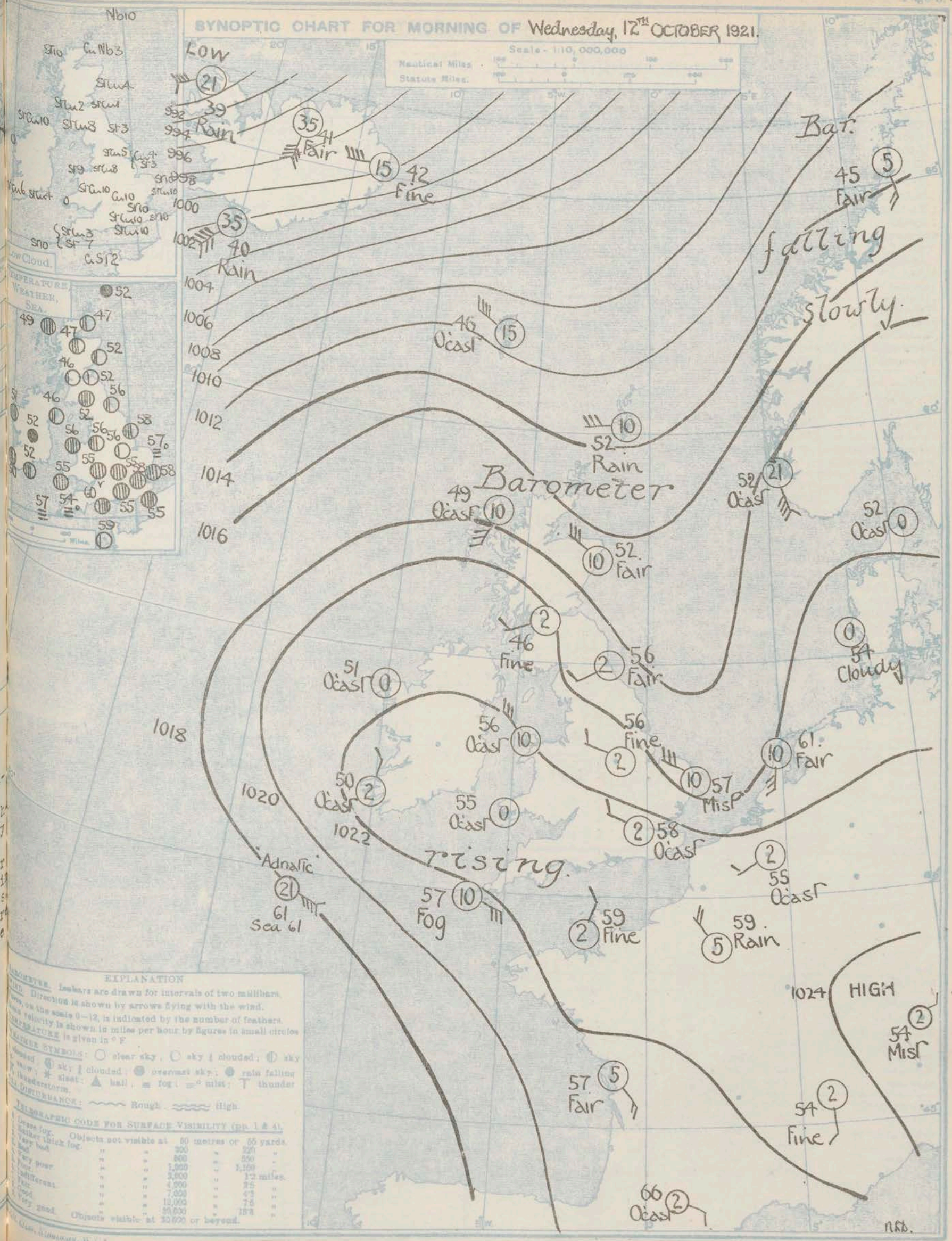
GENERAL INFERENCE.

The large anticyclone centred over the Channel is spreading North and will cause fair quiet weather generally for the next day or two with mist or fog at night.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday October 12th 1921.	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	Light breezes, mainly from West or North-West; fair; mist or fog inland at night; moderate temperature.	Over the Southern half of the Kingdom the weather will be mainly fair with light winds and mist or fog at times during the next few days. Prospects are more uncertain for the North but more settled weather than of late is indicated.
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Light to moderate Westerly breezes; cloudy, some rain or drizzle; visibility fair to good; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Same as 1 to 13.	

E.V.N

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1010 GMT. G. C. SIMPSON, F.R.S., Director.


SYNOPTIC CHART FOR MORNING OF Wednesday, 12th OCTOBER 1921.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
Low Cloud
Temperature, Weather, Sea
Low
Rain
Fair
Fine
Rain
Bar.
falling
slowly
Ocast
Rain
Barometer
Ocast
Fair
Ocast
Cloudy
Fine
Fair
Ocast
Fine
Misr
Fair
Ocast
Ocast
Ocast
rising.
Ocast
Ocast
Adnatic
Sea 61
Fog
Fine
Rain
HIGH
Misr
Fair
Fine
Ocast
N.A.D.
EXPLANATION
Barometer. Isobars are drawn for intervals of two millibars.
Wind. Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers.
Wind velocity is shown in miles per hour by figures in small circles.
Temperature is given in ° F.
Weather Symbols: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
Sea Disturbance: Rough; High.
Telegraphic Code for Surface Visibility (pp. 1 & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Rather thick fog. " " 200 " 220 "
2 Quite bad " " 500 " 550 "
3 Very poor " " 1,000 " 1,100 "
4 Poor " " 2,000 " 1·2 miles.
5 Indifferent " " 4,000 " 2·5 "
6 Fair " " 7,000 " 4·3 "
7 Good " " 12,000 " 7·5 "
8 Very good " " 30,000 " 18·8 "
9 Objects visible at 32,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. WEDNESDAY, 12th OCTOBER 1921. No. 285.

Stations	0100 G.M.T. 12th: 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	0700 G.M.T. 12th: 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	1014.9	-2	S	4	o+	49	92	7	-	-	0	A.St	10	*	1013.3	+1	W	3	orr	52	97	7	5750	Nb	10	-	10	2
Stornoway	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1017.8	+3	SSW	3	o/r	49	92	7	800	St	10	-	10	0
Wick	1013.3	-2	SSW	3	o/r	53	97	8	800	St	10	-	10	*	1016.5	+5	NW	3	bc/r	47	92	9	2500	CuNb	3	A.Cu	6	0
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1020.1	+1	WNW	3	o/r	52	85	8	5750	St	10	-	10	3
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1018.1	*	W	2	bc-	47	85	8	-	-	0	A.Cu	6	4
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1017.3	+4	NW'W	3	bc-	52	85	8	5750	St.Cu	4	-	4	0
Malin Head	1018.9	+4	WNW	3	o	50	92	8	800	St	10	-	10	*	1021.3	+4	WNW	3	o	50	85	9	4000	St.Cu	10	-	10	3
Renfrew	1017.1	0	SW	1	od0	54	97	5	1500	St	10	-	10	*	1020.1	+5	WSW	2	b+	46	85	8	2500	St.Cu	2	-	2	*
Inchkeith	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1018.2	+3	WNW	4	b	52	85	9	-	St.Cu	1	-	1	3
Eskdalemuir	1017.7	+1	SW'S	3	o/r	54	92	6	800	St.Cu	10	-	10	*	1019.8	+3	WNW	2	o	52	85	8	1500	St.Cu	8	Ci	9	1
Tynemouth	1017.3	0	W	2	o/f	57	97	7	-	-	0	A.St	10	*	1018.5	+2	WSW	1	b-	56	92	5	2500	St	3	-	3	1
Blacksod Point	1020.4	+1	WNW	1	o-	49	85	8	2500	St	9	-	9	*	1021.7	+2	-	0	o	51	85	8	-	-	0	Ci.St	10	0
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.6	+4	W	1	b-	46	85	8	-	-	0	A.Cu	3	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1022.6	*	W	1	or0r0	52	97	6	450	St	10	-	10	*
Baldonnell	1020.3	+2	SW	2	o	53	92	7	2500	St.Cu	10	-	10	*	1022.9	+3	-	0	o	52	92	6	800	St	10	-	10	3
Holyhead	1019.6	+1	SW'W	3	o	*	*	8	2500	St.Cu	10	-	10	*	1022.0	+3	NW	3	o	56	92	8	1500	St	9	A.Cu	10	3
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.2	+3	W	3	c-	56	85	8	2500	CuNb	7	-	7	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.2	+3	W	1	c	56	92	5	5750	St.Cu	8	-	8	
Howden	1018.5	+1	NW	2	o	57	97	3	1500	St	10	-	10	*	1020.3	+2	SW'W	2	bc-	53	97	5	2500	St.Cu	5	Ci	6	1
Spurn Head	1017.8	0	SSE	2	b	58	92	5	-	-	0	-	0	*	1019.0	+1	NW	3	c+	58	85	5	1500	Cu	7	-	7	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.5	*	WNW	1	b-	56	92	5	-	-	0	A.Cu	2	*
Cranwell	1019.0	+1	W	3	fo-	59	97	3	225	St	10	-	10	*	1021.2	+3	W'N	2	mmo	55	97	6	1500	St	10	-	10	0
Gorleston	1018.8	0	SW'W	2	b+	57	97	8	-	-	0	A.Cu	2	*	1019.4	+2	WNW	3	ffo	57	97	3	800	St	10	-	10	*
Pulham	1018.4	0	WSW	2	b+	57	97	5	4000	CuNb	3	-	3	*	1020.7	+2	W	1	o	57	97	5	1500	St	10	-	10	1
Felixstowe														*	1021.4	+2	W'S	3	o	59	92	7	2500	St.Cu	10	-	10	0
Valencia (Cahirciveen)	1021.2	0	S	2	d	57	85	6	x	x	x	x	x	*	1022.8	+1	NE'N	1	o+	50	92	8	7250	St.Cu	6	A.St	10	0
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1022.7	+2	-	0	bc	52	97	6	4000	St.Cu	4	Ci.St	10	3
Pembroke (St. Ann's H.)	1021.6	+1	W	1	ov	58	92	9	1500	St	10	-	10	*	1022.2	+1	-	0	c	55	97	9	-	-	0	A.St	7	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1022.4	+2	WSW	2	ov	55	85	9	4000	St.Cu	10	-	10	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1022.5	+4	WNW	1	o	55	85	8	-	Cu	10	-	10	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1022.7	+3	WNW	2	o	55	85	8	4000	St.Cu	10	-	10	*
London (Kew Obsy.)	*	*	*	*	*	58	*	*	*	*	*	*	*	*	1022.2	+3	WNW	1	o/r	58	85	6	2500	St	10	-	10	*
Croydon	1021.0	+2	W	3	o+	55	92	8	-	-	0	A.St	10	*	1022.2	+2	W	2	o	56	85	7	1500	St	10	-	10	0
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.5	+2	W	2	o	58	92	7	-	-	0	A.St	10	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.7	+2	S	1	mo-	58	85	5	4000	St.Cu	9	-	9	0
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.9	+2	WSW	2	o	57	85	6	5750	St.Cu	9	-	9	*
Lympne	1020.8	+2	SW	2	o+	57	97	7	2500	St	10	-	10	*	1022.4	+3	W	2	o	53	97	5	800	St	10	-	10	1
Scilly (St. Mary's)	1021.9	+1	-	0	bc	56	97	8	4000	St.Cu	4	-	4	*	1021.8	0	E'S	3	Fo	57	97	1	225	St	10	-	10	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1023.4	+2	NNW	1	mmo	54	97	4	1500	St	10	-	10	0
Plymouth	1021.9	+1	ENE	2	b-	53	92	8	-	-	0	Ci.Cu	2	*	1023.3	+2	NE	2	bc+	48	97	9	<150	St	2	Ci	6	0
Portland Bill	1020.7	0	NW	2	b	59	85	8	-	-	0	-	0	*	1023.5	+4	N	1	o+	60	85	8	-	-	0	A.St	10	0
Calshot	1021.3	+1	WSW	1	b	53	97	7	-	-	0	A.Cu	3	*	1023.1	+2	W'N	1	o+	57	85	8	2500	St.Cu	10	-	10	3
Dungeness	1020.1	+1	SW	2	c+	62	92	9	-	-	0	A.St	7	*	1022.2	+2	NW	2	o	55	92	8	-	-	0	Ci.St	10	0
Jersey 7h / Guernsey 1h	1022.1	+2	NNW	2	bc	56	92	8	5750	CuNb	5	-	5	*	1023.0	+1	NE	1	b	59	85	8	-	-	0	Ci.St	2	

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

Stations	Weather: Forenoon	Weather: Afternoon	Temperature: Max. Day °F.	Temperature: Min. Night °F.	Rainfall: Night 17h.-9h. 10th-11th (mm.)	Rainfall: Day 9h.-17h. 11th (mm.)	Sunshine: Sunrise to 17h. 11th (hr.)	Sunshine: Sunrise to Sunset 10th (hr.)
Banff	o	o	53	51	1	-	0.0	3.1
Montrose	or	or	53	51	2	1	0.0	2.8
Llandudno	c	odo	70	52	-	-	2.6	6.4
Colwyn Bay	b	b	64	55	-	-	1.8	6.9
Rhyl	bc.c	c	71	54	-	-	2.8	6.0
Southport	wbc.c	cor	70	58	-	3	2.5	6.4
Blackpool	c	bco	70	58	-	-	4.0	5.6
Harrogate	omc	cbc.c	65	56	1	-	1.3	4.1
Skegness	bc.b	bbcco	66	59	-	-	3.6	7.7
Aberystwyth	o	o	61	61	-	-	0.0	7.3
Bath	oc	ocbcb	68	59	-	-	1.5	5.4
Leamington Spa	o	cb	68	57	-	-	1.7	6.8*
Lowestoft	bc	bcb	66	59	-	-	7.6	8.4
Felixstowe	bz	bc	69	57	1	-	7.0	9.6
Southend	ocbc	bc.b	72	60	0.2	-	5.0	8.4
Paignton	b.bc	bc	69	56	-	-	7.1	2.2
Ilfracombe	o	oco	69	60	0.2	-	1.1	5.6
Bude	c	bcco	63	59	2	-	3.6	3.4
Penzance	bc	bc	66	55	1	-	8.3	0.0
Torquay	cbc	bc	69	60	-	-	6.4	0.0
Weymouth	oc	cb	70	59	0.2	-	4.0	2.7
Bournemouth	o	o	68	55	-	-	2.0	3.8
Portsmouth (S'thsea)	o	bc	66	59	-	-	2.2	4.0
Worthing	oc	c	65	58	3	-	1.6	6.6
Brighton	o	co	65	58	11	-	1.9	6.2
Eastbourne	b.bc	co.	68	58	10	-	5.4	8.2
Hastings	b	b.bcc.b	72	60	2	-	8.5	8.4
Folkestone	b	b	74	61	-	-	8.8	8.1
Tunbridge Wells	bc.b	b.bc	74	60	7	-	7.5	5.6
Ramsgate	bc	bc	71	60	1	-	7.2	7.9
Margate	cb	b.bc.b	75	61	-	-	6.5	8.2
Deal	b	b	74	61	2	-	8.2	8.9

* 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.21875 THURSDAY, 13th OCTOBER 1921. Page 1.

Observations at 1300 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	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1006.8	+3	W	4	bd₀+	52	97	8	-	Nb	10	-	10	*
Stornoway	1020.3	+1	SSW	4	o	56	85	7	800	St	10	-	10	*
Wick	1020.2	+5	W	1	o+	56	85	9	4000	Cu	9	-	9	*
Castlebay	1023.1	+3	WNW	4	c-	55	9.5	8	5750	Sc	7	-	7	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1022.3	+3	NW'W	3	b-	58	65	9	-	-	0	-	0	*
Malin Head	1023.9	+4	W	2	ov	53	85	9	4000	StCu	10	-	10	*
Renfrew	1024.1	+2	W	3	o+	54	75	8	4000	StCu	7	CiSt	9	*
Inchkeith	1022.6	+4	W	4	bc-	53	75	9	-	St	1	CiCu	5	*
Eskdalemuir	1023.2	+3	WNW	3	bc	55	65	8	-	-	0	Ci	4	*
Tynemouth	1022.4	+4	NNE	1	c	60	75	8	4000	St	4	ASt	7	*
Blacksod Point	1024.2	+2	SE	1	bc-	54	75	9	-	Cu	6	-	6	*
Donaghadee	1024.8	+2	-	0	'bcv	53	75	8	-	-	0	ACu	5	*
Birr Castle	1024.5	*	NW	1	o/r	55	92	7	2500	St	9	-	9	*
Baldonnell	1025.4	+2	E	1	fo	55	85	6	800	St	10	-	10	*
Holyhead	1025.4	+2	N	3	b	56	75	8	-	-	0	ASt	10	*
Liverpool (Bidston)	1025.0	+2	NW	1	bc	56	75	8	4000	StCu	3	Ci	5	*
Manchester (Alex. Pk.)	1024.6	+2	WNW	3	o	59	65	5	1500	St	9	Ci	10	*
Howden	1023.2	+2	W	4	bc-	64	65	7	4000	Cu	2	CiSt	4	*
Spurn Head	1023.1	+4	W	3	bc	63	35	6	5750	CuNb	5	-	5	*
Nottingham	1024.1	*	WNW	3	o+	61	65	7	1500	CuNb	10	-	10	*
Cranwell	1023.9	+2	W	3	c+	63	75	7	4000	Cu	4	ACu	8	*
Gorleston	1022.4	+3	NW	2	bc+	64	65	7	4000	StCu	5	-	5	*
Pulham	1023.2	+4	W	2	c-	62	85	8	4000	Cu	7	ACu	8	*
Felixstowe	1024.6	+3	W	3	o	61	75	8	2500	St	10	-	10	*
Valencia (Cahirciveen)	1022.5	0	NNW	2	c+	62	75	9	-	-	0	ACu	8	*
Roches Point	1024.4	+1	ESE	3	o	59	85	8	4000	StCu	10	-	10	*
Pembroke (St. Ann's H.)	1025.2	+2	-	0	ov	61	92	9	4000	Cu	2	ASt	9	*
Ross-on-Wye	1023.8	+2	-	0	o⊕	63	65	9	4000	StCu	2	CiSt	9	*
Benson	1024.4	+1	WNW	1	c	66	65	8	-	Cu	7	-	7	*
S. Farnborough	1025.0	+1	WSW	2	c-	65	65	8	4000	Cu	4	Ci	7	*
London (Kew Obsy.)	1024.8	+1	NW	2	o	63	65	8	4000	StCu	10	-	10	*
Croydon	1024.6	+1	NW	2	o/r	61	65	8	2500	StCu	10	-	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1024.6	+3	SW'W	1	o	61	65	7	2500	StCu	9	-	9	*
Grain	1024.6	+2	NNW	2	o	61	75	7	4000	StCu	10	-	10	*
Lympne	1024.4	+1	NW	2	o	62	75	6	1500	St	10	-	10	*
Scilly (St. Mary's)	1023.5	0	ESE	4	bc	64	85	8	-	-	0	Ci	4	*
Falmouth	1024.4	+1	ESE	3	zo	62	85	6	1500	Cu	6	Ci	8	*
Plymouth	1024.5	+1	SSE	2	o-	64	75	9	2500	StCu	4	ASt	9	*
Portland Bill	1025.0	+2	SSE	2	bc-	63	85	8	-	-	0	CiCu	5	*
Calshot	1025.3	+1	NNW	1	o-	62	65	8	2500	StCu	2	CiSt	9	*
Dungeness	1024.3	+1	SW	2	o+	62	75	8	-	-	0	ASt	9	*
Jersey	1024.2	+0	E	3	b	69	65	8	-	-	0	CiCu	2	*

Observations at 1800 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	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1021.0	+5	W	2	c-	48	85	7	7250	StCu	8	-	8	1
Stornoway	1022.5	+4	N	2	o/r₀	50	92	6	450	St	10	-	10	1
Wick	1022.5	+2	WNW	1	o	54	85	9	800	St	9	-	9	0
Castlebay	1024.2	+2	WSW	4	o	54	92	8	4000	St	10	-	10	3
Nairn	1023.5	*	-	0	'bc	50	85	8	1500	St	4	-	4	*
Aberdeen	1024.6	+3	SE	1	b	52	85	6	5750	StCu	1	Ci	2	0
Malin Head	1024.4	+1	-	0	ov	52	85	9	4000	StCu	10	-	10	0
Renfrew	1025.3	+2	WSW	2	bc-	48	85	8	2500	StCu	6	-	6	*
Inchkeith	1024.3	+3	W	3	c	52	85	6	-	St	2	ACu	8	3
Eskdalemuir	1025.7	+4	-	0	bc-	43	85	8	-	-	0	ACu	4	*
Tynemouth	1024.9	+2	NNE	2	c	55	85	7	2500	St	3	CiCu	7	0
Blacksod Point	1023.6	-1	SE	1	o+	53	85	8	-	CuNb	9	-	9	0
Donaghadee	1025.8	+1	-	0	bcv	49	85	8	5750	CuNb	3	ACu	5	0
Birr Castle	1024.0	*	NNE	1	c-	56	92	7	4000	StCu	5	ACu	8	*
Baldonnell	1025.6	0	E'N	2	o	52	85	7	1500	St	10	-	10	*
Holyhead	1026.2	+2	NE'E	2	o	55	85	9	4000	StCu	10	-	10	1
Liverpool (Bidston)	1026.9	+2	WNW	1	bc	54	75	8	1500	StCu	4	-	4	1
Manchester (Alex. Pk.)	1026.0	+3	SSE	1	c	52	85	4	5750	Cu	3	ASt	8	*
Howden	1025.2	+3	W'S	1	o	53	85	5	2500	St	10	-	10	*
Spurn Head	1025.1	+2	W	3	o	58	85	6	-	-	0	ASt	10	1
Nottingham	1025.8	*	NNW	2	bc-	57	75	4	2500	StCu	3	Ci	5	*
Cranwell	1025.6	+3	NW'W	2	o	53	97	6	-	-	0	CiSt	10	*
Gorleston	1024.5	+2	W	1	c-	59	75	7	-	-	0	ASt	8	0
Pulham	1025.0	+2	-	0	o+	59	92	5	4000	StCu	10	-	10	*
Felixstowe	1025.7	+3	-	0	o	59	75	8	-	-	0	ASt	10	0
Valencia (Cahirciveen)	1022.0	0	E	3	o+	61	75	9	-	StCu	10	-	10	1
Roches Point	1024.5	0	SE	3	o	59	92	8	2500	StCu	4	ASt	10	3
Pembroke (St. Ann's H.)	1025.4	0	-	0	o	58	92	9	-	-	0	ASt	9	2
Ross-on-Wye	1025.6	+2	-	0	c	57	85	7	2500	St	1	ASt	7	*
Benson	1026.0	+2	-	0	o	53	85	8	-	StCu	10	-	10	*
S. Farnborough	1026.4	+3	-	0	zb	54	85	7	-	-	0	CiSt	10	*
London (Kew Obsy.)	1025.9	+3	-	0	o	58	85	5	-	-	0	ACu	9	*
Croydon	1025.8	+3	WSW	1	o	55	85	5	4000	StCu	4	CiSt	10	*
Clacton-on-Sea	1025.5	+2	W	1	c-	60	75	7	2500	St	2	ASt	8	0
Shoeburyness	1025.9	+2	-	0	c-	55	85	7	4000	StCu	3	Ci	7	*
Grain	1026.0	+3	NNW	1	o	56	85	7	-	-	0	ASt	10	0
Lympne	1025.7	+2	N	3	o+	58	85	6	1500	St	8	ASt	10	*
Scilly (St. Mary's)	1023.4	+1	ESE	4	c	59	85	8	4000	StCu	4	ACu	8	5
Falmouth	1024.9	+1	ESE	1	bv	59	92	9	-	St	1	ASt	2	*
Plymouth	1024.9	0	ESE	2	cv	58	85	9	-	-	0	ASt	8	*
Portland Bill	1025.0	0	-	0	bc+	62	85	8	1500	StCu	6	-	6	0
Calshot	1026.2	+3	-	0	o+	58	85	8	4000	StCu	2	ASt	10	0
Dungeness	1025.8	+3	NNW	2	c-	59	75	5	-	-	0	ASt	8	2
Jersey	1024.2	0	E	3	b	65	75	8	-	-	0	CiCu	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 0900 G.M.T. 13th								Yesterday.		To-day.
Kew } 24 hours ended 0700	oo	ocom	omcofo	*	*	38	-	-	0.5	*	*
Croydon } 24 hours ended 0700	odrm2	orm	omcso	*	*	40	rr	rr	0.6	*	*
Greenwich (Royal Obsy.)	o	o ⊗	bcmw	64	45	33	0	0.3	0.2	64	87
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.6	*	*
Westminster (St. James' Pk.)	*	*	*	65	48	42	-	-	0.4	67	93
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	1.0	*	*
Camden Sq. (Brit. Rainfall)	o	c	*	68	45	43	-	-	*	64	92
Kensington Palace	bcc	c	*	64	47	40	-	-	*	87 (18h)	98
Hampstead Observatory	*	*	*	64	51	38	-	-	*	*	78

Atmospheric Pollution. Lbs. of Solid impurity per million cubic yards.

24 Hr. ended 1800 G.M.T. 12th

South Kensington			
Max.	Time.	Min.	Time.
-	-	-	-
Kew Observatory			
Max.	Time.	Min.	Time.
0.8	9h. 11th	0.2	1h. 12th
0.6	7h. 12th		

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 12th 18 h. 15 m. to 13th 05 h. 15 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	11 0	9.30	86
δ Ursae Minoris	11.0	9.28	86

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

13th & 14th October 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.17 6.19	11.39 11.39	5.1 4.59
Greenwich	6.22 6.24	11.46 11.46	5.10 5.8
Wick	6.46 6.48	11.58 11.58	5.11 5.8
Valencia	7.4 7.6	12.27 12.27	5.50 5.48

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, or fine rain. f fog.
h hail. KQ linesquall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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.

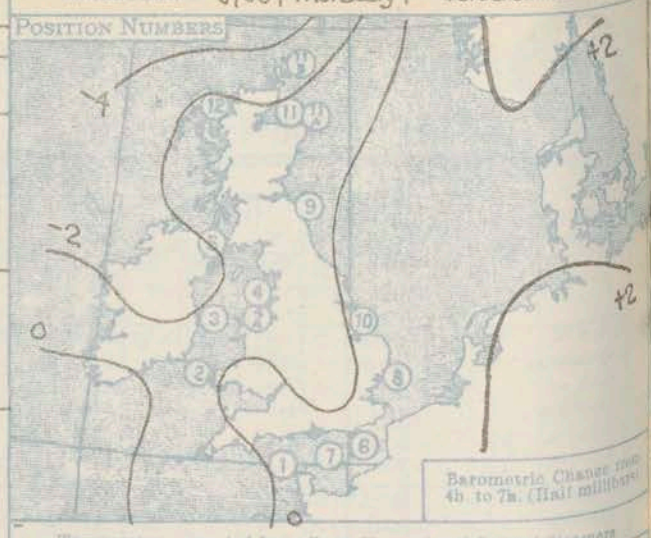
Beaufort No.	Statute miles per hour.	Metres per second.
0	Less than 1.	Less than 0·3
1	1– 3	0·3– 1·5
2	4– 7	1·6– 3·3
3	8–12	3·4– 5·4
4	13–18	5·5– 7·9
5	19–24	8·0–10·7
6	25–31	10·8–13·8
7	32–38	13·9–17·1
8	39–46	17·2–20·7
9	47–54	20·8–24·4
10	55–63	24·5–28·4
11	64–75	28·5–33·5
12	Above 75	33·6 or above

* 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.-12th. 12th to 1h. 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	oo	bo	b or bc	c	52	45	•	Trace	0.5	<0800	0630	•
Stornoway	oo	p	c	r or d	56	48	•	1	1	-	<2100	0.0
Wick	c	do	oo	c	57	47	•	-	-	-	-	•
Castlebay		co	ofo	of	55	51	•	0.3	0.4	-	<2100	3.7
Nairn	b or bc	b or bc	b or bc		56	41	•	-	-	-	-	7.8
Aberdeen	b or bc	b or b	*bw i m o		60	43	32	-	-	-	-	7.2
Malin Head	oo	oo	oo	r o r o	56	47	•	-	5	-	0230	0.1
Renfrew	b or bc	c	oo		56	42	36	-	1	-	0400	?
Inchkeith	b or bc	c	r or d		55	45	42	-	0.2	-	0530	•
Eskdalemuir	ob.bc	b or bo	b or bc	c	56	32	27	-	-	-	-	9.0
Tynemouth	cim	cim	bcif	oif	61	46	•	•	-	-	-	•
Blacksod Point ...	c	p	r or d	r o r o m	55	53	•	0.4	6	1430	<2100	•
Donaghadee	bcy	bcy	bcm	cmp	55	45	•	tr	0.5	-	2400	•
Birr Castle	c r o r o	oo	c o r	c o	59	53	50	2	2	<0800	-	1.2
Baldonnell	oo	oo im m	o o p r	o o r c	55	50	48	-	1	-	2400	0.2
Holyhead	oo	oo	o.o	o p o	59	51	46	-	0.1	-	0630	1.5
Liverpool (Bidston) ...	b or bc	b or bc	b or bc		58	50	44	-	-	-	-	2.4
Manchester (Alex. Pk.)	c m o z	o z o m	o m	o o m o m	62	45	38	-	-	-	-	•
Howden	c	oo	oo	F	64	43	37	-	-	-	-	6.1
Spurn Head	b or bc	c	c	f or m	63	54	•	-	-	-	-	5.4
Nottingham	c	oo	f f		63	43	44	-	-	-	-	4.1
Cranwell	b or bc	oo	m m	m F w p	63	41	37	-	Trace	-	-	5.5
Gorleston	o f b c	c	c b c b m	b m c	64	48	47	•	-	-	-	2.7
Pulham	bo	oo	c	f or m	63	41	36	•	-	-	-	0.7
Felixstowe	oo	oo	b or bc	b or bc	63	48	44	-	-	-	-	0.0
Valencia (Cahirciveen)	oc	co	r c p	r c p m d	63	58	56	-	4	-	<2100	1.5
Roches Point	oo	oo	r or d		60	59	•	•	1	-	-	•
Pembroke (St. Ann's H.)	oo	oo	b or bc	i m	63	55	•	-	-	-	-	2.9
Ross-on-Wye	ov	c v o b e c	o c o m	c i b m	65	43	39	-	-	-	-	1.3
Benson	c	oo	f or m		66	38	35	-	-	-	-	•
S. Farnborough ...	oo	oo	F		68	37	35	-	-	-	-	1.9
London (Kew Obsy.) ...	oo	o c o m	o m c m o	c m i o F w	64	44	38	-	-	-	-	0.5
Croydon	o d i m z	o i m	o c m i m w	c w m m o	63	46	40	Trace	Trace	9.0	-	0.6
Clacton-on-Sea ...	o c z	o c z	c c z	c b c z	62	51	46	-	-	-	-	0.0
Shoeburyness	oo	c	F		62	45	38	-	-	-	-	0.0
Grain	oo	oo	m f.	F	63	40	37	-	Trace	-	-	0.1
Lympne	o i m	o i m c m o	m c m c b d	b i m b c w	62	49	34	-	Trace	-	-	0.7
Scilly (St. Mary's) ...	b or bc	c	c	c	64	57	•	0.1	-	<0800	-	4.2
Falmouth	c i m	c m b v	b v w	b c w c m	64	57	55	-	-	-	-	2.9
Plymouth	oo	c	b or bc	b or bc	66	54	48	•	Trace	•	-	4.4
Portland Bill	c	c	b or bc	c	66	55	•	-	-	•	-	•
Calshot	oo	oo	f or m	f or m	66	48	48	-	-	-	-	2.7
Dungeness	c	o m	c i m	o b c m f	64	44	•	-	-	-	-	•
Jersey	b	b	b w	b w c	69	57	•	-	-	-	-	7.5

ISALLOBARS 0700, Thursday, October 13th, 1921.



Temperature reported from Cross Channel and Coastal Steamers

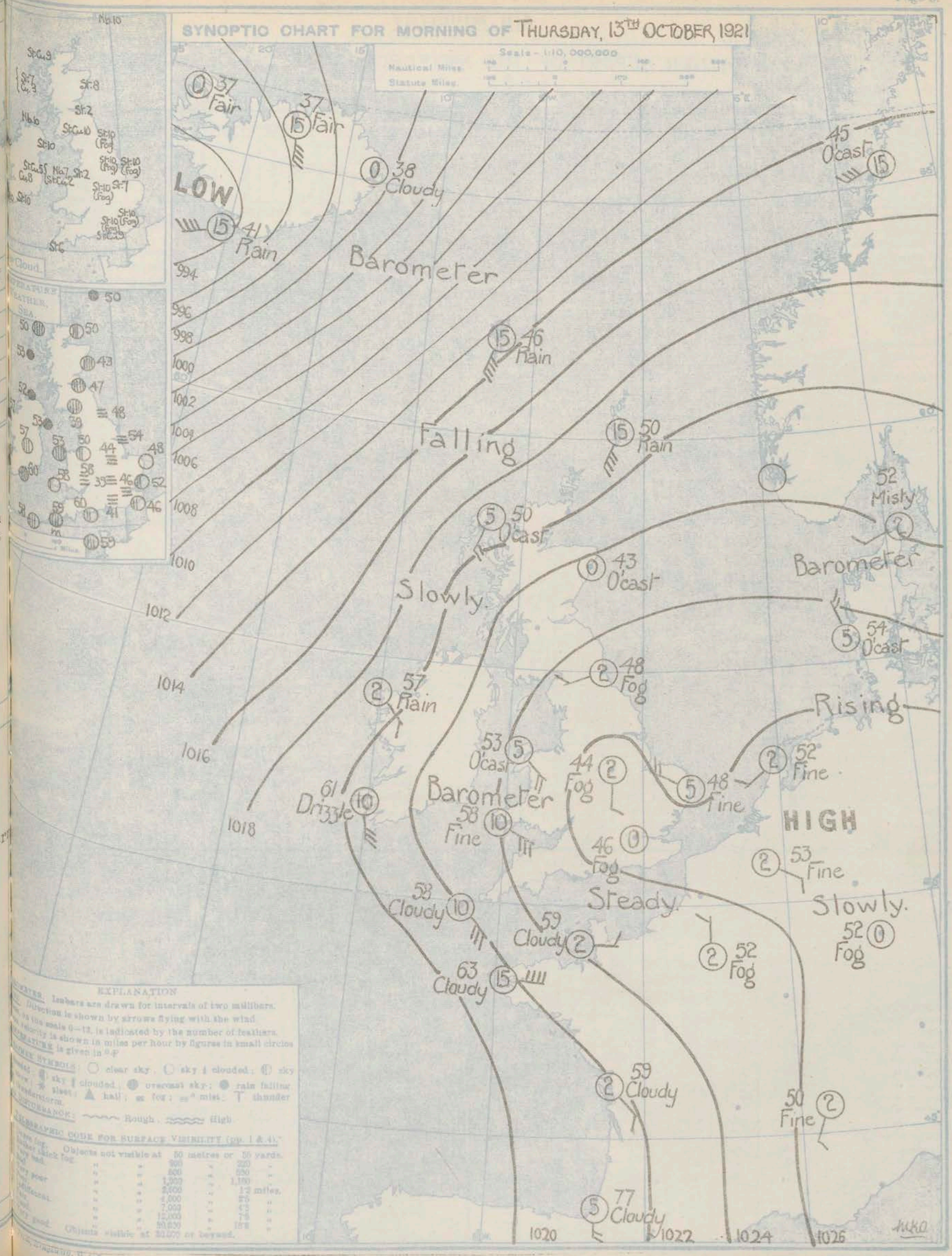
Position Number.	7	3
Date	12th	12th
Time G.M.T.	0155	1000
Sea ° F.	62	58
Air ° F	60	56

GENERAL INFERENCE.

The anticyclone will maintain fair quiet weather over Southern and Eastern England for the next few days but further West and North much cloud and some rain is probable with Satherly to South-Westerly winds.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 13th October, 1921.	Farther Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind light and indefinite; fine; mist or fog at night; moderate temperature.	
5. S.W. England 6. South Wales	Moderate South-Easterly winds; fair; mist or fog inland at night; moderate temperature.	Continuing fair over Southern England.
7. North Wales 8. N.W. England 9. N. Midlands	Moderate Southerly to South-Westerly winds; much cloud, some rain or drizzle; visibility indifferent to fair; moderate temperature.	
10. N.E. England 11. E. Scotland	Moderate South-Westerly winds; cloudy, occasional light rain or drizzle; temperature moderate to rather warm.	
12. S.W. Scotland 13. Isle of Man	Same as 7 to 9.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Freshening South-Westerly wind; dull, intermittent rain; visibility mainly fair; moderate temperature.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Same as 7 to 9.	

E.V.N.


SYNOPTIC CHART FOR MORNING OF THURSDAY, 13TH OCTOBER, 1921
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
HIGH
Barometer
Falling
Slowly
Steady
Rising
994
996
998
1000
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
0 37 Fair
15 37 Fair
0 38 Cloudy
15 41 Rain
15 46 Rain
15 50 Rain
5 50 O'cast
0 43 O'cast
2 48 Fog
2 57 Rain
5 53 O'cast
44 Fog
5 48 Fine
2 52 Fine
61 Drizzle 10
58 Fine 10
46 Fog 0
58 Cloudy 10
59 Cloudy 2
63 Cloudy 15
2 59 Cloudy
5 77 Cloudy
2 52 Fog
2 53 Fine
52 0 Fog
50 Fine 2
45 O'cast 15
52 Misty 2
5 54 O'cast
EXPLANATION
PRESSURE. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0—12, is indicated by the number of feathers. Velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in °F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA CONDITIONS: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
Very fog. Objects not visible at 50 metres or 55 yards.
Very thick fog. " " 200 " 220 "
Very bad. " " 500 " 550 "
Very poor. " " 1,000 " 1,100 "
Poor. " " 2,000 " 1·2 miles.
Moderate. " " 4,000 " 2·5 "
Fair. " " 7,000 " 4·3 "
Good. " " 12,000 " 7·5 "
Very good. " " 30,000 " 18·6 "
Objects visible at 30,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. THURSDAY, 13TH OCTOBER 1921. No. 286

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	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1022.7	+2	W	2	bc-	46	85	7	-	-	0	A.Cu	5	*
Stornoway	1023.6	0	SW	3	0	*	*	6	*	*	*	*	*	*
Wick	1022.8	-1	S	1	0	52	97	9	5750	St.Cu	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1024.4	-1	SSE	2	0	48	97	7	2500	St.Cu	10	-	10	*
Renfrew	1025.9	0	-	0	c	45	97	8	4000	St.Cu	8	-	8	*
Inchkeith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1027.4	+1	-	0	0	34	97	7	-	-	0	Ci.St	9	*
Tynemouth	1026.6	0	W	1	mc-	46	97	4	-	-	0	A.St	8	*
Blacksod Point	1022.1	-2	SE	1	0	55	92	6	1500	St	10	-	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1026.0	-1	E	1	od	52	97	7	2500	St	10	-	10	*
Holyhead	1026.2	-1	E	2	0	*	*	8	-	-	0	A.St	10	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1026.7	0	-	0	0	47	97	6	2500	St.Cu	10	-	10	*
Spurn Head	1026.9	+1	WNW	2	0	57	97	6	1500	St	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1027.1	+1	W'N	2	mb	46	97	5	-	-	0	Ci.St	2	*
Gorleston	1026.1	0	SW'W	2	mb+	53	92	5	2500	St	2	-	2	*
Pulham	1027.0	+1	-	0	fb	47	97	2	-	-	0	A.St	2	*
Felixstowe	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Valencia (Cahirciveen)	1026	-3	ESE	4	od+	60	92	4	-	Nb	9	-	9	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1025.7	0	ENE	3	bc	56	97	9	-	-	0	A.Cu	5	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	49	*	*	*	*	*	*	*	*
Croydon	1027.5	+1	S	2	c	48	97	5	-	-	0	Ci	7	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1027.2	+2	-	0	b-	49	92	8	-	-	0	-	0	*
Scilly (St. Mary's)	1023.0	-1	SE	3	c+	59	92	8	-	-	-	A.Cu	8	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1025.7	0	E	3	b-	56	92	8	-	-	0	Ci.St	1	
Portland Bill	1026.0	0	E	3	b-	59	85	8	-	-	0	Ci	2	*
Calshot	1026.7	0	-	0	b	53	97	7	-	-	0	Ci	1	*
Dungeness	1026.6	0	N	2	b	55	92	5	-	-	0	-	0	*
Jersey 7h / Guernsey 1h	1025.5	0	E	3	bc	59	92	8	-	-	0	Ci.St	4	*

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	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1019.0	-4	SSW	4	or	50	97	6	-	Nb	10	-	10	3
Stornoway	1018.9	-2	SSW	2	0	50	85	7	5750	St.Cu	9	-	9	2
Wick	1019.6	-3	SSW	3	c-	50	92	8	-	-	0	A.Cu	7	0
Castlebay	1020.5	-2	SSE	4	opr	53	92	8	2500	St	10	-	10	4
Nairn	1020.2	0	-	0	bc+	49	75	8	1500	St	6	-	6	4
Aberdeen	1022.5	-1	-	0	0+	43	92	5	2500	St	8	A.Cu	9	0
Malin Head	1020.3	-2	SSE	2	or	52	97	7	1500	Nb	10	-	10	0
Renfrew	1023.9	-2	NE	2	03f	45	97	3	3000	Nb	8	ASc	10	*
Inchkeith	1023.0	+1	W	2	0/r	47	85	7	-	St	2	A.St	10	2
Eskdalemuir	1025.3	-1	-	0	0	39	97	8	1500	St.Cu	10	-	10	*
Tynemouth	1025.2	0	WSW	1	fo+	48	97	3	2500	St	10	-	10	0
Blacksod Point	1018.3	-2	SE	1	or	57	92	4	450	St	10	-	10	0
Donaghadee	1023.3	-3	SW	2	od	53	92	8	2500	St	10	-	10	0
Birr Castle	1021.3	0	SSW	2	c/r	57	85	7	2500	Cu	8	-	8	*
Baldonnell	1023.0	-3	-	0	c-	54	92	8	4000	St.Cu	5	A.Cu	7	*
Holyhead	1024.2	-1	SE	2	0	53	97	9	1500	Nb	9	-	9	1
Liverpool (Bidston)	1024.8	-1	SE'E	2	bc-	50	92	5	2500	St	2	Ci.Cu	4	2
Manchester (Alex.Pk.)	1025.9	0	-	0	c-	48	97	4	2500	St.Cu	7	-	7	*
Howden	1026.1	0	-	0	Fo+	46	97	1	<150	St	10	-	10	*
Spurn Head	1025.6	0	W	2	ffo	54	97	3	450	St	10	-	10	1
Nottingham	1026.4	0	S	1	Ffo	44	97	0	450	St	10	-	10	*
Cranwell	1026.5	0	SE'S	1	Fc-	42	97	1	<150	St	7	Ci.Cu	8	*
Gorleston	1025.3	0	WNW	2	b	48	97	4	-	-	0	Ci.St	1	0
Pulham	1026.9	0	-	0	Fb-	42	97	1	-	-	0	-	0	*
Felixstowe	1027.2	+1	NNW	2	mb	49	97	4	-	-	0	Ci.St	2	0
Valencia (Cahirciveen)	1026.1	0	S'E	3	od	61	97	5	225	St	10	-	10	4
Roches Point	1023.2	0	SE	3	0	60	97	6	2500	St	10	-	10	4
Pembroke (St. Ann's H.)	1024.0	0	ESE	3	mb-	58	97	7	-	-	0	Ci.St	3	3
Ross-on-Wye	1026.4	0	-	0	Fb-	43	97	1	-	-	0	Ci	1	*
Benson	1026.8	-1	-	0	mmc	39	97	4	-	-	0	A.St	7	*
S. Farnborough	1027.2	0	-	0	FFo	41	97	1	<150	St	10	-	10	*
London (Kew Obsy.)	1027.2	0	-	0	FFo	46	97	0	<150	St	10	-	10	*
Croydon	1026.7	0	S	1	0+	48	97	5	-	-	0	Ci	9	*
Clacton-on-Sea	1026.4	0	N	1	bc	52	92	6	-	-	0	A.St	5	0
Shoeburyness	1026.8	+1	S	1	mbc-	47	85	4	-	-	0	Ci.St	5	0
Grain	1026.9	0	-	0	FFc	44	97	0	-	-	0	Ci	7	*
Lympne	1026.5	+1	E	1	bc+	51	97	6	-	-	0	Ci	4	*
Scilly (St. Mary's)	1023.0	-1	SE	3	c	58	97	8	-	-	0	A.Cu	8	5
Falmouth	1024.2	0	ESE	4	mmc	59	92	6	1500	St	6	Ci	8	0
Plymouth	1025.0	+1	ENE	3	bc+	56	92	8	-	-	0	A.St	6	0
Portland Bill	1025.5	-1	E	4	bc+	60	85	7	-	-	0	Ci.Cu	5	3
Calshot	1026.5	0	NW'N	1	mmo	50	97	6	2500	St.Cu	9	Ci.St	10	0
Dungeness	1026.3	-1	NE	2	bc+	46	92	4	-	-	0	Ci.Cu	4	2
Jersey 7h / Guernsey 1h	1024.4	0	E	1	c	59	85	8	-	-	0	Ci.St	7	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 12TH OCTOBER

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 12h.-9h. 11th-12th mm.	Rainfall.† Day 9h.-12h. 12th mm.	Sunshine. Sunrise to 12h. 12th hr.	Sunshine. Sunrise to Sunset. 12th hr.
Banff	pbcb	bbc	60	50	2	-	7.8	0.0
Montrose	b	bc	59	51	0.5	-	7.2	0.0
Llandudno	c	oc	58	56	-	-	0.7	2.6
Colwyn Bay	bc	bcc	58	56	-	-	0.5	1.8
Rhyl	c	do	58	55	-	-	0.4	2.8
Southport	ocbc	bccoc	58	54	-	-	2.5	2.5
Blackpool	c	bc.c	58	54	0.2	-	3.1	4.0
Harrogate	bc	bc	60	52	-	-	5.5	1.3
Skegness	mobc	bcom	65	55	-	-	2.6	3.5
Aberystwyth	bc	o	61	57	0.3	-	0.7	0.0
Bath	o	co	64	52	-	-	0.4	1.5
Leamington Spa	o	c	63	54	-	-	2.0	1.7
Lowestoft	o	oco	63	56	-	-	0.2	7.6
Felixstowe	c	c	63	57	-	-	0.0	7.0
Southend	o	o	63	56	-	-	0.0	5.0
Paignton	wcmbcmbcco		65	47	-	-	4.8	7.1
Ilfracombe	oc	cbec	64	57	-	-	2.5	2.8
Bude	woc	bc.c	67	51	-	-	4.9	8.3
Penzance	cbc	bc	65	53	-	-	3.0	0.0
Torquay	bbc	bbc	65	52	-	-	4.8	4.0
Weymouth	oc	c	68	53	-	-	1.4	4.0
Bournemouth	o	ob	66	51	-	-	2.0	2.0
Portsmouth (S'thsea)	o	bc	64	54	-	-	2.4	2.2
Worthing	o	bc	63	50	-	-	2.1	1.6
Brighton	o	oc	64	59	-	-	1.6	1.9
Eastbourne	oc	co	65	53	-	-	2.3	5.4
Hastings	o	oco	64	53	-	-	1.7	8.5
Folkestone	b	bc	64	58	-	-	1.6	8.5
Tunbridge Wells	o	o	62	54	-	-	0.0	7.5
Ramsgate	bc	bc	64	54	-	-	1.4	7.2
Margate	o	oco	63	56	-	-	0.8	6.5
Deal	o	o	63	54	-	-	0.8	8.2

* 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. B21876 FRIDAY, 14th OCTOBER 1921.

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	Sea. 0-9
Lerwick	1015.7	-8	SSW	4	c-	52	85	7	-	St.Cu	8	-	8	*
Stornoway	1013.5	-3	SSW	6	orr	54	92	7	450	St	10	-	10	*
Wick	1013.4	-5	SSW	3	o/r	50	92	8	1500	St	5	A.St	10	*
Castlebay	1015.4	-6	WSW	5	o/r	55	92	7	1500	Nb	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1018.3	-1	SSW	3	o/r	53	85	7	2500	Nb	10	-	10	*
Malin Head	1016.3	-4	SSE	3	or	57	97	7	1500	Nb	10	-	10	*
Renfrew	1019.7	-7	-	0	ffo	50	97	3	1500	St	10	-	10	*
Inchkeith	1020.1	-5	S	2	mo-	49	92	5	-	St	10	-	10	*
Eskdalemuir	1022.1	-3	S'W	2	o	~~58~~ 57	85	8	1500	St	10	-	10	*
Tynemouth	1022.2	-3	WSW	2	c	56	85	5	4000	St.Cu	8	-	8	*
Blacksod Point	1019.6	-2	SW	4	odd	61	97	6	450	St	10	-	10	*
Donaghadee	1019.9	-3	SW	3	od₀	59	92	7	2500	St	10	-	10	*
Birr Castle	1020.4	*	SSW	2	o+	64	92	7	4000	St.Cu	9	*	9	*
Baldonnell	1020.5	-2	SW'S	4	o	~~64~~ 65	75	7	2500	St.Cu	5	A.St	10	*
Holyhead	1022.4	-2	S	4	o	62	75	9	4000	St.Cu	10	-	10	*
Liverpool (Bidston)	1022.1	-3	SE	2	o+	62	75	7	2500	St	5	Ci.Cu	9	*
Manchester (Alex. Pk.)	1023.5	-4	SW	2	o+	65	65	5	2500	St.Cu	5	A.Cu	10	*
Howden	1023.4	-4	SSW	3	o	63	65	5	4000	St	4	A.Cu	9	*
Spurn Head	1024.2	-1	SW	1	bc	68	45	6	1500	St	2	A.Cu	5	*
Nottingham	1024.3	*	S	2	c-	62	75	6	-	-	0	Ci.St	7	*
Cranwell	1024.9	-1	SSW	3	c	64	75	7	-	-	0	Ci.St	7	*
Gorleston	1025.3	-1	SSE	2	bc+	63	75	7	-	-	0	Ci.Cu	6	*
Pulham	1025.3	-2	*	0	bc	67	75	8	-	-	0	Ci.St	5	*
Felixstowe	1025.9	-2	E	1	bc	64	75	8	-	-	0	Ci.St	5	*
Valencia (Cahirciveen)	1020.4	-1	S	4	o+	63	92	8	450	St.Cu	10	-	10	*
Roches Point	1022.2	-1	ENE	1	o	61	97	5	450	St	10	-	10	*
Pembroke (St. Ann's H.)	1023.6	-1	SE	3	c⊕	62	85	7	-	-	0	Ci.St	8	*
Ross-on-Wye	1024.0	-3	SW	2	c⊕	64	75	6	-	-	0	Ci.St	8	*
Benson	1024.4	-3	S	1	bc	66	65	5	-	-	0	Ci	5	*
S. Farnborough	1025.2	-2	SE	2	bc+	67	65	7	-	-	0	A.Cu	5	*
London (Kew Obsy.)	1025.0	-3	SE	2	bcz	66	65	7	-	-	0	Ci	6	*
Croydon	1025.1	-3	S'E	1	c	66	65	7	-	-	0	Ci.St	8	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1026.0	-1	SE	1	c/f	65	65	6	-	-	0	A.St	7	*
Grain	1025.4	-3	E	3	o	64	75	7	-	-	0	Ci.St	9	*
Lympne	1025.4	-3	SE	2	c⊕	64	75	6	1500	St	2	Ci.St	8	*
Scilly (St. Mary's)	1021.1	-1	E'S	4	c	62	92	7	4000	St.Cu	5	Ci	8	*
Falmouth	1022.4	-1	E	4	mmc	63	85	6	1500	St	2	Ci	7	*
Plymouth	1022.9	-1	ENE	3	bc-	67	75	8	-	-	0	Ci.St	6	*
Portland Bill	1024.3	-1	ESE	4	bc	63	85	7	-	-	0	Ci.Cu	4	*
Calshot	1024.9	-1	ESE	3	mmbc	64	85	7	-	-	0	Ci	6	*
Dungeness	1025.6	-1	S	1	bc	61	85	5	-	-	0	Ci.Cu	5	*
Jersey	1022.5	-1	E	2	c	68	75	8	4000	St.Cu	8	*	8	*

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	1010.0	-7	SW	4	or/d	50	97	7	7250	Nb	10	-	10	3
Stornoway	1010.3	-2	WSW	4	o/r	52	85	7	4000	Nb	10	-	10	3
Wick	1009.9	-6	SSW	4	o/r	53	92	8	5750	St.Cu	9	-	9	1
Castlebay	1014.1	0	W	4	bc/r	53	85	8	7250	St	5	-	5	4
Nairn	1011.0	*	-	0	o/r	53	92	8	4000	Cu.Nb	9	-	9	*
Aberdeen	1014.2	-5	S'W	3	o+	52	92	6	1500	Nb	10	-	10	0
Malin Head	1016.3	0	SW	3	or	56	97	6	800	Nb	10	-	10	1
Renfrew	1015.9	-2	SW	5	o	59	92	6	1500	St.Cu	10	-	10	*
Inchkeith	1015.2	-7	WSW	4	o/f	58	85	7	-	St	10	-	10	*
Eskdalemuir	1017.8	-3	SSW	4	odd	54	97	3	450	Nb	10	-	10	*
Tynemouth	1018.1	-4	SW	2	fo-	60	85	4	5750	Nb	10	-	10	0
Blacksod Point	1019.2	+5	NW	2	odd	56	92	6	450	St	10	-	10	0
Donaghadee	1017.8	0	WSW	2	c+	59	92	8	4000	Cu.Nb	7	-	7	0
Birr Castle	1020.0	*	SW	1	cdd₀	63	97	6	2500	Nb	8	*	8	*
Baldonnell	1019.6	-2	SW	4	or	61	92	5	800	Nb	7	A.St	10	*
Holyhead	1020.3	-2	SSW	3	or₀	60	92	7	2500	Nb	10	-	10	1
Liverpool (Bidston)	1020.6	-1	SE	3	od-	61	85	5	800	Nb	10	-	10	3
Manchester (Alex. Pk.)	1021.2	-2	SSE	2	o	61	75	4	1500	St.Cu	7	A.St	10	*
Howden	1020.9	-2	SSW	3	fo	60	85	5	1500	St	8	A.St	10	*
Spurn Head	1021.5	-2	S	3	o⊕	58	92	6	1500	St	2	A.St	10	2
Nottingham	1022.2	*	S	1	bc-	57	92	4	-	-	0	A.St	5	*
Cranwell	1022.9	-1	S	3	mo	55	92	6	-	-	0	Ci.St	~~8~~ 9	*
Gorleston	1024.2	-2	S	3	c+	60	85	7	-	-	*	Ci.St	7	0
Pulham	1023.6	-2	-	0	b	57	92	7	-	-	0	Ci.St	3	*
Felixstowe	1024.1	-2	SE	2	c+	60	92	8	-	-	0	Ci.St	8	0
Valencia (Cahirciveen)	1021.2	+3	-	0	od₀	61	97	7	450	St	10	-	10	1
Roches Point	1021.5	0	SE	1	odf	60	97	5	800	Nb	10	-	10	1
Pembroke (St. Ann's H.)	1021.5	-2	ESE	2	mo-	59	92	7	4000	Cu	1	A.St	10	2
Ross-on-Wye	1022.1	-2	SW	1	bc	60	85	5	-	-	0	Ci	6	*
Benson	1022.9	-2	SSE	2	c+	57	85	5	-	-	0	Ci	7	*
S. Farnborough	1023.2	-1	-	0	fo	58	85	3	-	-	0	Ci	9	*
London (Kew Obsy.)	1023.1	-2	SE	1	bc	60	65	5	-	-	0	Ci	6	*
Croydon	1023.6	-1	SSE	2	c	59	85	6	-	-	0	Ci	8	*
Clacton-on-Sea	1024.0	-2	SE	2	c+	62	85	7	-	-	0	Ci.St	7	0
Shoeburyness	1023.7	-3	SE	1	bc-	59	85	7	-	-	0	A.St	4	*
Grain	1023.8	-1	SE	3	o	60	85	7	-	-	0	Ci.St	9	0
Lympne	1024.4	0	ESE	2	c+	55	92	6	-	-	0	Ci.St	8	*
Scilly (St. Mary's)	1019.3	-1	E	2	oRR	59	97	6	1500	St	10	-	10	5
Falmouth	1020.0	-4	ENE	3	fo+	61	97	4	-	St.Cu	10	-	10	*
Plymouth	1020.7	-1	E	4	or+	62	92	8	-	-	0	A.St	10	*
Portland Bill	1022.5	-2	E	4	bc	61	85	7	-	-	0	Ci.Cu	4	3
Calshot	1022.8	-3	ESE	3	bc-	59	~~85~~ 95	7	1500	St	1	Ci	6	3
Dungeness	1023.9	-1	SE	1	bc	60	92	6	-	-	0	Ci.Cu	9	2
Jersey	1020.7	-1	E	2	o	69	75	8	4000	St.Cu	10	-	10	0

LONDON OBSERVATIONS. (Weather, Temperature and Rainfall: 24 Hours ended 0900 G.M.T. 14th. Sunshine and Humidity 15h.: Yesterday. Humidity 9h.: To-day.)

London Observations	Weather Morning	Weather Afternoon	Weather Night	Max. °F.	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)	ofwbm	bczbcm	bmorfo	*	*	43	-	1	4.4	*	*
Croydon (24 hours ended 0700)	ocmo	cbcczm	comfw	*	*	47	tr	-	7.9	*	*
Greenwich (Royal Obsy.)	bc⊕	bc	or₀m	68	52	38	-	3	6.6	65	90
City (Bunhill Row)	*	*	*	*	*	*	*	*	2.9	*	88
Westminster (St. James' Pk.)	*	*	*	69	55	47	-	2	4.8	68	*
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	*	*	*
Camden Sq. (Brit. Rainfall)	bcm	bc	*	69	53	48	-	1	*	67	89
Kensington Palace	bcz	c	*	69	54	45	-	2	*	82 (18h)	94
Hampstead Observatory	*	*	*	67	55	45	-	2	5.1	*	93

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.

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

South Kensington

Max.	Time.	Min.	Time.
1 2	20-22h, 12th 8-10h 13th	1/2	15h. 13th

Kew Observatory

Max.	Time.	Min.	Time.
2.4	10h. 13th	0.2	13-15h 13th

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 13th 18 h. 15 m. to 14th 05 h. 15 m.

Stars.	Exposure h. m.	Record h. m.	Record %
Polaris	11 0	3 49	35
δ Ursae Minoris	11 0	3 53	35

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

14th & 15th OCTOBER 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.19 6.21	11.39 11.39	4.59 4.57
Greenwich	6.24 6.26	11.46 11.46	5.8 5.6
Wick	6.48 6.50	11.58 11.58	5.8 5.6
Valencia	7.6 7.8	12.27 12.27	5.48 5.46

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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 ₀ 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.

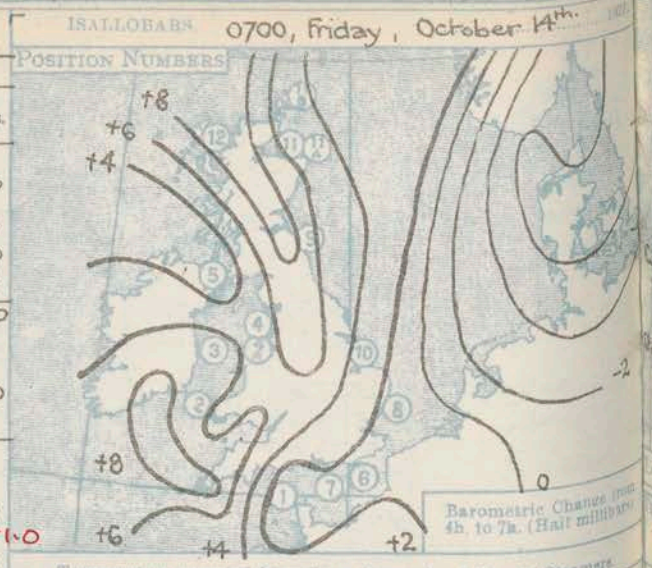
Beaufort No.	Statute miles per hour.	Metres per second.
0	Less than 1.	Less than 0·3
1	1-3	0·3-1·5
2	4-7	1·6-3·3
3	8-12	3·4-5·4
4	13-18	5·5-7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

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

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

Stations.	Weather. 7h.-13h. 13th	Weather. 13h.-18h. 13th	Weather. 18h.-1h. 13th to 14th	Weather. 1h.-7h. 14th	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	p	p	pp	56	43	•	trace	7	1630	<2100	•
Stornoway	rord	rord	c	oo	55	46	•	5	2	<0800	–	0·3
Wick	coir	oir	borbc	oirq	53	44	•	0·2	1	9·0	0530	•
Castlebay	opddo	opbc	bcb	bcoc	55	48	•	2	0·2	–	–	0·1
Nairn	p	p	r or d		53	45	•	4	0·4	9·0	–	0·0
Aberdeen	omir	copom	opo	mb	55	46	37	1	0·2	11·0	<2100	0·3
Malin Head	rord	ir	borbc	bcq	60	51	•	4	1	<0800	<2100	0·0
Renfrew	orrffo	mqq	oircb	borbc	59	47	42	5	0·2	<0800	<2100	?
Inchkeith	form	form	b or bc		58	48	45	1	0·4	1430	–	•
Eskdalemuir	oir	rord	p	cbbcc	58 54	44	27	2	1	1430	<2100	0·0
Tynemouth	ofm	omp	ooim	imp	61	44	•	trace	1	1730	0130	•
Blacksod Point	rord	rord	c	borbc	61	50	•	4	2	<0800	<2100	•
Donaghadee	cmd	cm	cmd	bcq	59	46	•	0·3	1	<0800	<2100	•
Birr Castle	bc	cdr	b	cdr	64	43	34	1	0·4	1630	–	0·0
Baldonnell	ooim	oodbr	oeddim	borbc	65	42	35	0·1	0·5	11·0	<2100	~~0·1~~ 1·0
Holyhead	oo	ooir	oiRm	orbc	64	52	48	trace	20	1530	<2100	0·8
Liverpool (Bidston)	c	c	r or d		64	50	47	1	8	1730	<2100	0·6
Manchester (Alex. Pk.)	cmzoz	oz	~~opmqcc~~ ozmprq		65	51	42	–	5	–	2400	•
Howden	c	form	rord	p	64	53	48	–	0·2	–	2400	2·7
Spurn Head	borbc	c	oo	c	68	53	•	–	–	–	–	5·9
Nottingham	c	c	p		66	55	51	–	1	–	0130	3·3
Cranwell	c	oo	imm c	pimm	66	54	46	–	1	–	0230	4·6
Gorleston	borbc	c	ome	omir	64	56	53	–	0·2	–	0430	6·5
Pulham	c	borbc	form	p	64	49	41	–	0·5	–	0630	5·3
Felixstowe	borbc	c	rord	rord	66	57	56	–	1	–	0530	7·5
Valencia (Cahirciveen)	oco	od	opd oc	opdoc	64	53	49	0·1	1	1730	<2100	0·0
Roches Point	dopfo	rord	r or d		61	52	•	1	3	9·0	<2100	•
Pembroke (St. Ann's H.)	im	oim	rorr	oo	63	56	•	–	2	–	2400	1·4
Ross-on-Wye	mbfbcz	czbbcz	omomw	RRdm	68	55	50	–	7	–	2400	7·3
Benson	borbc	borbo	iR		67	52	46	–	4	–	2400	•
S. Farnborough	borbc	c	oo		68	53	43	–	0·3	–	0130	5·8
London (Kew Obsy.)	ofwbmbc	bcybcm	bmw	ro om	68	52	43	–	1	–	0230	4·4
Croydon	owmcz	cbcczim	comw	omfw	68	53	47	trace	–	–	–	7·9
Clacton-on-Sea	bcez		bczo	ogrm	66	57	56	–	4	–	0330	8·1
Shoeburyness	c	borbc	orF	rord	66	54	46	–	0·5	–	0330	7·2
Grain	form	c	r or d		65	53	47	–	0·4	–	0130	7·0
Lympne	bccocm	cimbcm	cimbcom	oimrrdo	65	53	46	–	0·5	–	0230	7·4
Scilly (St. Mary's)	c	rord	form	Fe	63	59	•	5	17	1530	<2100	1·4
Falmouth	ocm	cmogr	omr	ocm	65	59	59	1	1	1730	<2100	2·3
Plymouth	c	oo	rord	rord	68	61	58	trace	1	1730	–	4·6
Portland Bill	borbc	borbc	oo	c	64	57	•	–	1	–	–	•
Calshot	form	c	rord	form	64	57	56	–	0·4	–	–	5·7
Dungeness	borbcim	borbc	cm	m	62	60	•	–	–	–	–	•
Jersey	cbc	co	oco	oco	73	62	•	–	0·1	–	<2100	6·7



Temperature reported from Cross Channel and Coastal Steamers.

Position Number	6	7	3	1
Date	13th	13th	13th	13th
Time G.M.T.	0317	0325	1000	1250
Sea °F.	62	63	?	62
Air °F.	59	60	59	66

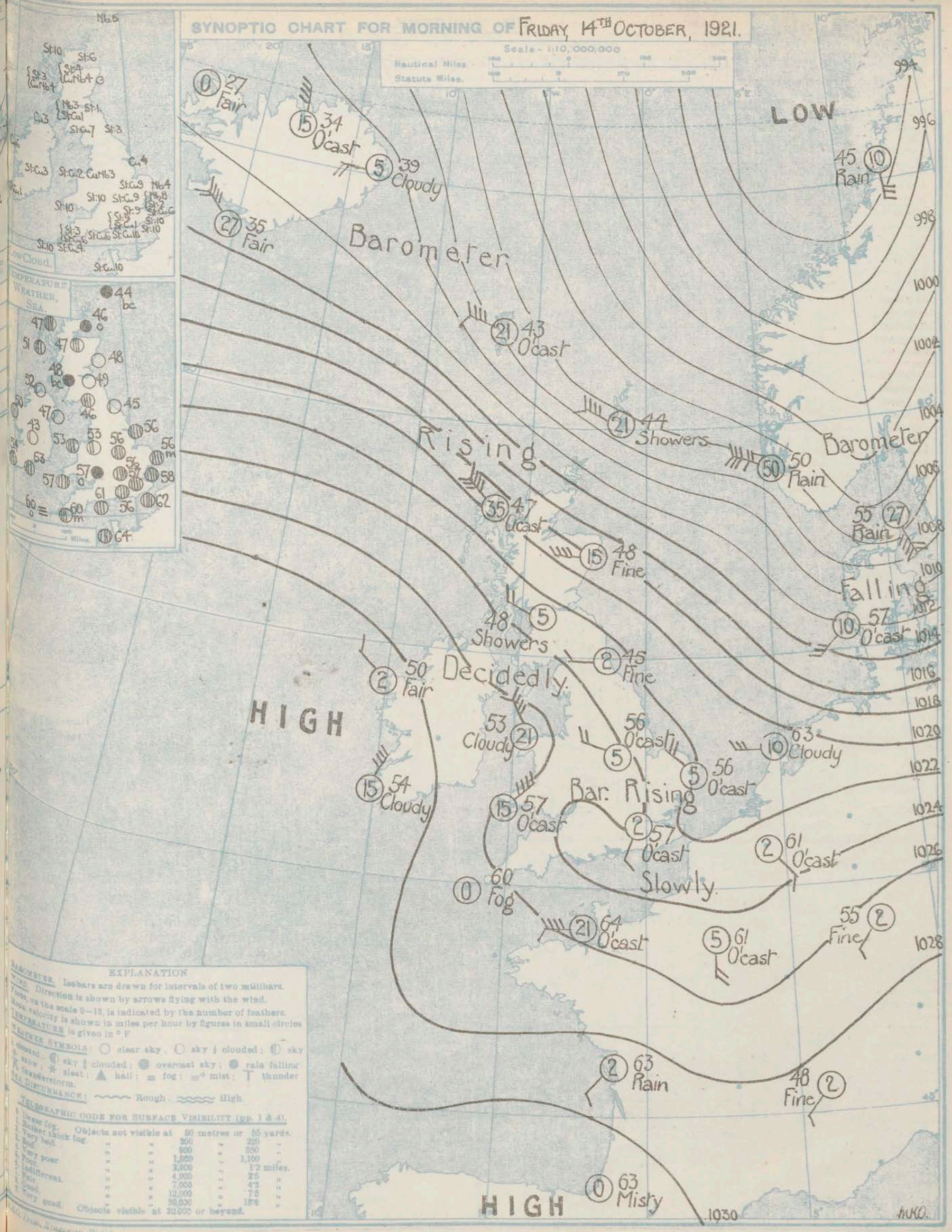
GENERAL INFERENCE.

A large depression is moving Eastward across Norway and a secondary travelling in a similar direction over the South-East of England and the Netherlands. Mainly fair weather is probable during the next few days, with North-Westerly winds and a temperature rather lower than of late.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 14th October, 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind North-Westerly, light or moderate; some showers probable today, then fair, visibility fair to good; temperature falling somewhat.	Mainly fair for the week-end.
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 North-Westerly, moderate; mainly fair, visibility good; moderate temperature.	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind North-Westerly, moderate; variable sky, some showers, visibility fair or good; temperature falling.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind North-West or North, light; fair, visibility fair or good; temperature falling, local ground frost at night.	

R.S.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 08.30. G. C. SIMPSON, F.R.S., Director.


SYNOPTIC CHART FOR MORNING OF FRIDAY, 14TH OCTOBER, 1921.
Scale - 1:10,000,000
Nautical Miles
Statute Miles.
LOW
HIGH
HIGH
Barometer
Rising
Decidedly.
Bar. Rising
Slowly.
Falling
Barometer
994
996
998
1000
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
1028
1030
0 27 Fair
15 34 O'cast
5 39 Cloudy
27 35 Fair
21 43 O'cast
21 44 Showers
50 50 Rain
35 47 O'cast
15 48 Fine
5 48 Showers
2 50 Fair
2 45 Fine
21 53 Cloudy
5 56 O'cast
5 56 O'cast
10 63 Cloudy
15 54 Cloudy
15 57 O'cast
2 57 O'cast
2 61 O'cast
0 60 Fog
21 64 O'cast
5 61 O'cast
55 2 Fine
2 63 Rain
48 2 Fine
0 63 Misty
45 10 Rain
55 27 Rain
10 57 O'cast
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 ½ clouded; sky clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
Sea Disturbance: Rough; High.
Telegraphic Code for Surface Visibility (pp. 1 & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Rather thick fog. " " 200 " 220 "
2 Very bad. " " 500 " 550 "
3 Bad. " " 1,000 " 1,100 "
4 Very poor. " " 2,000 " 1·2 miles.
5 Poor. " " 4,000 " 2·5 "
6 Indifferent. " " 7,000 " 4·3 "
7 Weak. " " 12,000 " 7·5 "
8 Good. " " 30,000 " 18·6 "
9 Very good. Objects visible at 30,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION ... FRIDAY, 14th OCTOBER ... 1921. No. 287

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	1006.5	-1	W'S	7	oPR	49	85	7	-	Nb	10	-	10	*
Stornoway	1013.5	+3	W	5	o	*	*	6	*	*	*	*	*	*
Wick	1010.8	+2	W	3	b	46	85	9	.	-	0	A.Cu	2	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1020.6	+3	WSW	4	bc-	52	92	8	2500	Cu	4	-	4	*
Renfrew	1019.3	+7	WNW	4	b-	51	65	8	4000	Cu	2	-	2	*
Inchkeith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1018.0	+2	W'N	7	c	50	97	8	2500	St.Cu	7	-	7	*
Tynemouth	1016.9	-2	W	1	o	61	92	7	2500	St	8	A.St	10	*
Blacksod Point ...	1024.5	+5	NW	2	c	52	75	8	2500	Cu	7	-	7	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1022.8	+4	NNW	4	odd	56	92	5	800	St	10	-	10	*
Holyhead	1021.2	0	SW	4	od-	*	*	8	2500	Nb	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1019.9	-1	SW'S	1	or	57	92	4	1500	Nb	6	A.St	10	*
Spurn Head	1020.5	-1	SW	3	o	58	92	6	1500	St	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1021.3	-1	W'N	3	c-	59	85	6	5750	St.Cu	2	A.Cu	9	*
Gorleston	1021.5	-1	SWW	2	mo+	56	97	4	2500	St	10	-	10	*
Pulham	1021.0	-1	SSW	2	imo	58	97	4	800	St	10	-	10	*
Felixstowe														*
Valencia (Cahirciveen)	1014.2	+3	N	5	bc	55	*	*	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1022.2	0	ENE	1	mo-	60	92	7	450	St	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	56	*	*	*	*	*	*	*	*
Croydon	1022.3	-1	S	1	o	59	85	8	2500	St.Cu	10	-	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1022.3	-2	SE	2	o+	60	92	7	4000	St.Cu	10	-	10	*
Scilly (St. Mary's) ...	1021.3	+3	NNW	2	mmo	60	97	4	1500	St	10	-	10	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1020.4	0	S	1	odd	62	97	3	<150	St	10	-	10	*
Portland Bill	1021.0	-1	SSW	3	o+	59	85	8	450	St	10	-	10	*
Calshot	1021.5	-2	E	2	o/r	60	97	7	500	Nb	10	-	10	*
Dungeness	1021.0	-1	SE	3	c+	62	97	6	4000	Cu	7	-	7	*
Jersey 7h } Guernsey 1h }	1021.0	+2	WSW	5	o+	64	92	7	5750	St.Cu	5	A.St	10	*

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	1007.4	+3	WNW	5	bcPR	44	85	6	-	Nb	5	-	5	4
Stornoway	1019.5	+5	NW	7	o	47	75	7	800	St	10	-	10	6
Wick	1015.2	+5	WNW	3	o/r	46	85	8	800	St	6	A.St	10	0
Castlebay	1024.4	+6	~~S~~ NW	5	c	51	75	8	4000	Cu Nb	7	-	7	4
Nairn	1019.2	*	W	1	c/r	47	85	8	1500	Cu Nb	8	-	8	5
Aberdeen	1018.9	+6	W	4	b-	48	75	8	-	-	0	-	0	0
Malin Head	1024.9	+4	WNW	4	b	52	85	8	4000	Cu	3	-	3	*
Renfrew	1023.6	+6	WNW	4	bc/r	48	75	8	1500	Nb	4	-	4	*
Inchkeith	1021.6	+9	WSW	4	b-	49	75	8	-	St	1	-	1	3
Eskdalemuir	1024.2	+6	NNW	5	c+	46	85	8	1500	St.Cu	7	-	7	*
Tynemouth	1021.7	+3	W	1	b/r	45	92	7	2500	St	3	-	3	0
Blacksod Point ...	1028.5	+5	NW	1	bc	50	75	8	5750	Cu	6	-	6	0
Donaghadee	1025.4	+3	W	3	b+	47	85	8	-	-	4	A.Cu	2	1
Birr Castle	1021.8	*	NW	1	b-	43	92	7	4000	St.Cu	3	-	3	*
Baldonnell	1028.9	+7	-	0	b	43	92	8	-	-	0	A.St	1	*
Holyhead	1021.3	+6	NNW	5	c-	53	65	8	4000	St.Cu	2	Ci	7	4
Liverpool (Bidston) ...	1026.3	+5	NW	3	bc-	53	75	7	2500	Cu Nb	3	Ci	5	4
Manchester (Alex.Pk.)	1025.8	+7	WNW	2	c/r	51	75	5	4000	St.Cu	8	-	8	*
Howden	1024.0	+6	NW	3	o+	53	85	6	1500	St.Cu	7	A.St	9	*
Spurn Head	1023.1	+3	NW	5	o-	56	92	8	4000	Cu	4	Ci.Cu	9	3
Nottingham	1025.0	*	WNW	2	o	56	85	5	-	-	0	A.St	9	*
Cranwell	1023.3	+3	NW'N	3	mo-	56	92	6	2500	St.Cu	9	A.St	10	0
Gorleston	1022.0	+2	NW	2	mo+	56	97	5	5750	Nb	4	Ci St	10	*
Pulham	1023.7	+2	W	1	o/r	56	97	4	2500	St.Cu	9	A.St	10	1
Felixstowe	1022.9	+2	NW'N	3	or	58	85	5	800	Nb	10	-	10	3
Valencia (Cahirciveen)	1019.4	+6	NNE	4	c-	54	75	8	4000	St.Cu	1	A.St	7	0
Roches Point	1019.2	+9	N	1	c-	53	92	7	2500	St.Cu	4	Ci	7	3
Pembroke (St. Ann's H.)	1026.0	+4	NE	4	o	57	92	8	800	St	10	-	10	*
Ross-on-Wye	1024.0	+6	NNW	1	od	57	97	4	450	St	10	-	10	*
Benson	1024.2	+5	NNW	1	o/r	56	92	4	-	St.Cu	9	-	9	*
S. Farnborough ...	1023.0	+3	W'N	3	o	56	97	5	1500	St	10	-	10	*
London (Kew Obsy.) ...	1024.2	+2	SSW	1	o/r	57	97	3	1500	~~St~~ Nb	9	Ci	10	*
Croydon	1022.6	+2	SSW	2	fo+	57	92	3	2500	St	10	-	10	*
Clacton-on-Sea ...	1021.9	+1	WNW	1	o/r	58	92	5	4000	Cu Nb	8	A.Cu	10	0
Shoeburyness	1022.5	+1	-	0	o/r	57	85	3	1500	St.Cu	6	A.St	10	*
Grain	1022.7	+1	-	0	o/r	56	92	5	-	~~St.Cu~~	0	A.St	10	0
Lympne	1022.8	+3	W'S	2	mo	60	97	4	800	St	10	-	10	*
Scilly (St. Mary's) ...	1026.1	+6	-	0	ffd	60	97	1	1500	St	10	-	10	3
Falmouth	1026.4	+6	NNW	4	mmo	60	97	5	4000	St.Cu	4	A.Cu	8	*
Plymouth	1025.1	+8	N	2	o	61	92	8	1500	St.Cu	9	-	9	0
Portland Bill	1023.5	+1	N	1	bc-	61	85	7	2500	St.Cu	6	-	6	1
Calshot	1023.0	+3	SE	2	off	58	97	7	2500	St.Cu	10	-	10	0
Dungeness	1022.3	-1	WSW	3	o	62	92	5	800	St	10	-	10	3
Jersey 7h } Guernsey 1h }	1025.6	+1	W	5	o	64	85	8	4000	St.Cu	10	-	10	3

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 12th-13th mm.	Rainfall.† Day 9h.-17h. 13th mm.	Sunshine. Sunrise to 17h. 13th hr.	Sunshine. Sunrise to Sunset. 12th hr.
Banff	or	ro	54	39	-	5	0.1	7.8
Montrose	or	o	51	36	1	0.4	0.0	7.2
Llandudno	c	co	67	49	-	-	2.0	0.7
Colwyn Bay ...	cbc	bcc	69	49	-	-	2.1	0.5
Rhyl	bcc	bco	71	49	-	-	2.1	0.4
Southport	oco	omo	63	46	-	0.1	0.1	2.5
Blackpool	oc	o	64	45	-	-	0.7	3.1
Harrogate	o	o	61	46	-	-	0.1	5.5
Skegness	mdbc	bcbm	63	43	-	-	5.4	2.6
Aberystwyth ...	ocb	bco	71	50	-	-	6.5	0.7
Bath	bbec	bbc	70	41	-	-	5.1	0.4
Leamington Spa ...	bg	bc	68	41	-	-	5.5	2.0
Lowestoft	bc	bccb	64	48	-	-	7.0	0.2
Felixstowe	bg	bcg	66	48	-	-	8.2	0.0
Southend	bc	bc	68	50	-	-	7.5	0.0
Paignton	oobc	om	64	48	-	-	0.5	4.8
Ilfracombe	bbec	co	65	55	-	-	6.8	2.5
Bude	wbcc	beco	71	52	-	-	4.3	4.9
Penzance	bc	co	66	59	-	-	3.2	3.0
Torquay	oc	oc	65	52	-	-	1.9	0.0
Weymouth	cgbc	bc	69	51	-	-	4.6	1.4
Bournemouth ...	wbc	bc	64	45	-	-	5.3	2.0
Portsmouth (S'thsea)	b	b	65	50	-	-	6.0	2.4
Worthing	oc	bc	64	48	-	-	4.7	2.1
Brighton	cbc	bcc	65	48	-	-	5.4	1.6
Eastbourne	co	co	63	48	-	-	1.9	2.3
Hastings	wcbc	beco	63	52	trace	-	5.6	1.7
Folkestone	bc	bc	65	52	-	-	8.8	1.6
Tunbridge Wells ...	b.bc	b	67	40	-	-	6.3	0.0
Ramsgate	b	c	65	51	-	-	7.9	1.4
Margate	b	bc	65	52	-	-	5.6	0.8
Deal	bc	bc	66	46	-	-	7.5	0.8

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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B21877 SATURDAY 15th OCTOBER 1921. Page 1.

Stations	Barom. at M.S.L. m.b. (1300 G.M.T. 14th)	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	Barom. at M.S.L. m.b. (1800 G.M.T. 14th)	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	1014.5	+5	W	6	cpr₀	47	85	7	-	Cu.Nb	8	-	8	*	1020.8	+5	WNW	5	o	45	75	7	-	Nb	10	-	10	4
Stornoway	1024.5	+5	WNW	6	bc-	52	65	7	4000	Cu	2	A.Cu	5	*	1026.4	0	W	4	PR	49	85	7	450	St.	10	-	10	3
Wick	1021.1	+6	NW	4	bc/r	51	65	8	2500	Cu.Nb	6	-	6	*	1024.8	+3	WNW	2	o	48	75	8	7250	Nb	8	A.St	10	0
Castlebay	1028.8	+3	NW	4	c	52	85	7	5750	Cu.Nb	7	-	7	*	1030.5	+2	WNW	4	o+	52	75	8	2500	Cu.Nb	10	-	10	4
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1027.3	*	W	2	bc-	50	65	8	4000	St.Cu	2	A.St	5	*
Aberdeen	1024.6	+6	W'N	5	bc+	53	65	8	4000	Cu	4	-	4	*	1028.0	+4	NWbW	2	bc	49	75	7	4000	St.Cu	4	A.Cu	6	0
Malin Head	1030.6	+5	WNW	3	bc	54	85	8	4000	Cu	2	Ci.Cu	5	*	1031.8	+1	WNW	3	o+	52	92	8	4000	St.Cu	9	-	9	3
Renfrew	1028.3	+4	WNW	5	c	55	65	8	4000	St.Cu	5	A.Cu	7	*	1031.2	+3	W	3	o+	51	75	8	2500	St.Cu	9	-	9	*
Inchkeith	1025.5	+4	WNW	5	c+	54	65	9	-	Cu	2	Ci.Cu	8	*	1029.1	+4	WNW	4	c	52	75	9	-	St.Cu	1	Ci.Cu	8	
Eskdalemuir	1028.6	+3	WNW	4	c	52	55	8	2500	Cu	1	Ci.St	7	*	1031.9	+3	W	3	bc	49	65	8	4000	St.Cu	2	Ci.St	4	*
Tynemouth	1026.6	+3	NW	3	b	57	75	8	4000	Cu	3	-	3	*	1029.5	+5	WNW	2	b	53	85	5	2500	St.	2	-	2	1
Blacksod Point	1033.1	+7	NW	2	b-	58	75	9	4000	Cu	3	-	3	*	1033.5	0	W	1	c+	53	75	7	2500	St.	7	-	7	0
Donaghadee	1030.7	+3	W	3	bc+	55	65	8	4000	Cu	5	-	5	*	1032.8	+2	WNW	2	b-	50	85	8	-	-	*	A.Cu	2	1
Birr Castle	1032.7	*	NW	1	c+	58	65	8	4000	St.Cu	5	Ci	7	*	1033.8	*	NNW	1	c+	52	85	7	4000	St.	5	Ci	8	*
Baldonnell	1033.0	+3	-	0	bc+	57	65	8	2500	Cu	4	-	4	*	1034.4	+2	WSW	1	o+	50	85	8	4000	St.	1	Ci.St	9	*
Holyhead	1032.0	+3	NW	4	bc-	55	75	8	2500	Cu	4	-	4	*	1034.1	+3	WNW	3	b	52	75	8	2500	St.Cu	1	Ci	2	1
Liverpool (Bidston)	1030.6	+2	WNW	4	bc-	58	65	8	2500	St.Cu	5	-	5	*	1033.4	+3	W'N	4	c	52	75	7	1500	Cu	7	-	7	6
Manchester (Alex. Pk.)	1030.4	+2	NW	3	bc	59	55	8	2500	St.Cu	3	Ci.St	4	*	1033.2	+3	WNW	3	c+	53	75	5	2500	St.Cu	8	-	8	*
Howden	1028.1	+2	WNW	4	bc	58	65	8	2500	Cu	3	Ci	4	*	1031.6	+4	WNW	2	b-	47	85	8	4000	St.Cu	1	-	1	*
Spurn Head	1027.6	+3	WNW	5	b	58	75	8	4000	Cu	2	-	2	*	1031.4	+2	NW	5	b	57	97	8	1500	St	1	A.Cu	1	3
Nottingham	1029.4	*	WNW	3	b-	59	55	7	-	-	-	-	0	*	1033.3	*	W	2	b-	52	85	4	4000	Cu	1	-	1	*
Cranwell	1028.8	+3	N'W	4	b	58	65	8	4000	Cu	1	Ci.St	2	*	1032.3	+6	NW'W	3	b-	49	85	6	-	-	-	-	0	*
Gorleston	1027.0	+2	N'W	3	b-	60	55	8	-	-	-	Ci	3	*	1030.5	+3	N'W	2	bc+	53	75	7	-	-	-	Ci.Cu	5	0
Pulham	1027.6	+4	NW	4	b	60	85	9	-	-	-	Ci	2	*	1031.6	+4	-	0	bc	47	85	8	-	-	-	Ci	5	*
Felixstowe	1027.5	+3	N'W	3	bc-	62	65	8	1500	St.Cu	2	A.St	4	*	1032.5	+8	-	0	bv	51	85	9	-	-	-	Ci.St	3	0
Valencia (Cahirciveen)	1033.3	+2	N	2	b+	60	65	8	4000	Cu	2	Ci.St	3	*	1034.4	+1	W'N	1	b-	57	75	8	2500	St.Cu	3	-	3	1
Roches Point	1033.4	+3	ESE	2	b-	58	65	8	-	-	-	Ci	1	*	1035.0	+2	SE	1	b	54	85	7	-	-	-	Ci	1	0
Pembroke (St. Ann's H.)	1032.2	+3	NNW	3	b	58	75	8	-	-	*		0	*	1034.9	+2	N	1	b	50	92	8	-	-	-	Ci.Cu	2	2
Ross-on-Wye	1029.9	+3	NW'N	2	b-	59	55	9	-	-	-	Ci	1	*	1032.7	+3	-	0	bv	53	75	9	-	-	-	Ci	1	*
Benson	1029.4	+3	N	3	b-	61	55	8	-	-	-	Ci	2	*	1033.1	+5	-	0	b	49	85	5	-	-	-	-	0	*
S. Farnborough	1028.7	+6	W	3	b-	65	65	7	4000	Cu	1	A.Cu	2	*	1033.1	+5	-	0	bm	49	85	5	-	-	-	-	0	*
London (Kew Obsy.)	1028.8	+6	NNW	3	b/m	63	55	8	-	-	*	Ci	1	*	1032.9	+6	NW	1	b	56	55	6	-	-	-	-	0	*
Croydon	1028.6	+4	NNW	3	b-	63	55	8	4000	St.Cu	1	A.Cu	2	*	1032.6	+6	NW	1	b	55	65	6	-	-	-	-	0	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1031.8	+5	NNW	2	bc	53	65	8	-	-	-	A.St	5	0
Shoeburyness	1028.1	+5	NE	3	b/+	63	65	7	4000	St.Cu	2	-	2	*	1033.5	+6	-	0	b	49	75	7	-	-	-	-	0	*
Grain	1027.9	+6	NNW	4	bc-	64	65	7	1500	St.Cu	6	-	6	*	1033.3	+6	NNE	2	b-	55	65	8	-	-	-	A.St	1	0
Lympne	1027.7	+3	N	4	o	61	92	6	1500	St.	10	-	10	*	1032.2	+4	N	4	b-	53	75	7	4000	St.Cu	3	-	3	
Scilly (St. Mary's)	1030.7	0	NE	3	bc-	64	85	8	4000	Cu.Nb	4	-	4	*	1032.9	+2	E	1	b	57	92	8	1500	St.	2	-	2	2
Falmouth	1031.2	+3	N	4	o/f	64	85	8	2500	St.Cu	9	-	9	*	1033.8	+4	NNW	2	b-	57	85	8	-	-	-	-	0	*
Plymouth	1030.8	+4	N	3	o	65	85	8	2500	St.Cu	3	A.Cu	10	*	1033.1	+4	N	3	b-	59	85	8	-	-	-	-	0	*
Portland Bill	1028.5	+5		0	c	61	85	7	1500	St.Cu	8	-	8	*	1032.0	+4	NE	2	bc-	60	85	7	1500	St.Cu	6	-	6	3
Calshot	1029.3	+4	NNW	3	b/f	65	75	8	4000	Cu	1	A.Cu	2	*	1032.8	+5	N	1	b-	58	75	8	-	-	-	-	0	0
Dungeness	1027.3	+4	NNE	2	o/r	62	92	4	800	St.	10	-	10	*	1031.4	+5	NE	3	b-	58	75	8	-	-	-	-	0	2
Jersey	1029.9	+1	W	4	o	63	85	8	4000	St.Cu	10	-	10	*	1031.9	+1	NW	4	o	63	85	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. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
	24 Hours ended 0900 G.M.T. 15th										
Kew (24 hours ended 0700)	o.m.c.m.b	b.y.b.z.y.	b.y.b.z.o.f.w.	*	*	29	-	-	6.3	*	*
Croydon (24 hours ended 0700)	o.f.m.m.y	b.bc.b.y.z	b.bcm.m.w.	*	*	32	0.5	-	4.9	*	*
Greenwich (Royal Obsy.)	o.bc.b	b.b.z	b.bm.w	65	38	29	-	*	5.1	59	85
City (Bunhill Row)	*	*	*	*	*	*	*	*		*	*
Westminster (St. James' Pk.)	*	*	*	67	42	35	-	-		61	89
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	5.4	*	*
Camden Sq. (Brit. Rainfall)	o	b	*	66	40	39	-	-	*	54	96
Kensington Palace	b	b	*	65	42	33	-	-	*	59 (1st)	93
Hampstead Observatory	*	*	*	63	42	32	-	-		*	83

ATMOSPHERIC POLLUTION. Lbs. of Solid Impurity per million cubic yards.

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

South Kensington: Max.	Time	Min.	Time
1	1800-2000 13th	1/2	1400-1500 14th
1.5	0800 14th		

Kew Observatory: Max.	Time	Min.	Time
1.2	1900 13th/14th	0.2	1200-1400 14th
1.6	0800 14th		

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 14th 18 h 15 m. to 15th 05 h 15 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	11 0	11.0	100
δ Ursae Minoris	11.0	11.0	100

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

15th & 16th October 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.21 6.22	11.39 11.39	4.57 4.55
Greenwich	6.26 6.27	11.46 11.46	5.6 5.4
Wick	6.50 6.52	11.58 11.58	5.6 5.3
Valencia	7.8 7.9	12.27 12.27	5.46 5.44

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1-3	0·3-1·5
2	4-7	1·6-3·3
3	8-12	3·4-5·4
4	13-18	5·5-7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

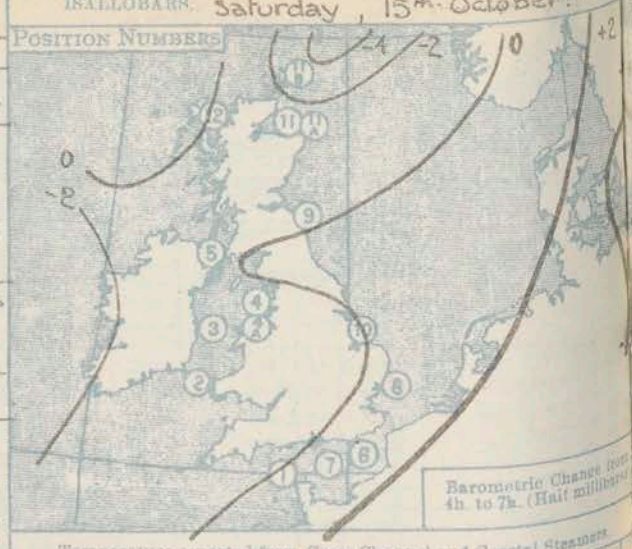
* Information for these columns not usually received. † The barometric change is expressed in half millibars. ‡ For code see page 3.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 14th	13h.-18h. 14th	18h.-Mid. 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	p	o.o	oo	mr&r.o	51	44	•	1	3	1330	42100	•
Stornoway	c	o.o	c	oo	53	49	•	0.3	–	–	–	4.4
Wick	oir.q	oir.	oo	oo	51	46	•	1	–	<0800	–	•
Castlebay	c.o.c	c.o	o	o	53	52	•	–	–	–	–	2.6
Nairn	*	c	c		53	45	•	–		–	–	4.5
Aberdeen	bbcq	borbc	c lm o		54	48	44	–	–	•	–	5.9
Malin Head	borbc	borbc	oo	c	54	51	•	–	–	–	–	5.6
Renfrew	borbc,q	c	c	o.c.o	57	49	46	–	–	–	–	?
Inchkeith	c	c	oo		55	49	47	–	–	–	–	•
Eskdalemuir	borbc	borbc	c	c	54	40	37	–	–	–	–	8.4
Tynemouth	borbc,q	bcqbm	oo lm	c lm	58	47	•	–	–	–	–	•
Blacksod Point ...	borbc	borbc	b or bc	b or bc	56	?50	•	–	–	–	–	•
Donaghadee	bcq	bc	bc	bc	58	40	•	–	–	–	–	•
Birr Castle	c	c	c.o.bc	bc	63	38	30	–	–	–	–	8.7
Baldonnell	borbc	bcco	b or bc	b or bc	59	35	31	–	–	–	–	9.2
Holyhead	c.bc	borbc	b or bc	bw.bc	58	46	37	–	trace	–	–	8.9
Liverpool (Bidston) ...	borbc	borbc	b or bc		56	47	38	–	–	–	–	6.4
Manchester (Alex.Pk.)	bbcby3bc	bcc13	cmw		59	40	32	–	–	–	–	0.5
Howden	borbc	borbc	b or bc	c	60	~~38~~	31	–	–	–	–	~~7.2~~
Spurn Head	c	borbc	b or bc	b or bc	58	48	•	–	–	–	–	~~6.8~~ 8.6
Nottingham	borbc	borbc	b or bc	lmw	60	40	37	–	–	–	–	7.5
Cranwell	borbc	borbc	lm lm	b or bc mw	59	42	38	–	trace	–	–	7.4
Gorleston	borbc	borbc	b or bc.	b or bc	62	41	40	–	–	–	–	6.7
Pulham	c	b or bc	b or bc	f or m	61	38	31	–	–	–	–	6.4
Felixstowe	c	b or bc		b or bc	63	44	39	1	–	9.0	–	5.1
Valencia (Cahirciveen)	cbc.b	bbccb	b or bc	o.c.o	60	50	46	–	–	–	–	8.8
Roches Point	borbc	borbc	b or bc		59	45	•	–	0.3	–	–	•
Pembroke (St. Ann's H.)	borbc	borbc	b or bc	b or bc	59	47	•	–	–	–	–	6.9
Ross-on-Wye	cm c.b	bv.y	bv bw	bmw bff	60	34	31	–	trace	–	–	5.9
Benson...	c	borbc	f or m		61	30	29	–	–	–	–	•
S. Farnborough ...	c	borbc	f or m		65	31	29	0.3	–	–	09 00	6.7
London (Kew Obsy.) ...	omcm b	bcbb39	by.bz.	bz ofw	64	39	29	–	–	–	–	6.3
Croydon	ofimmm	bbcbym	bm.m	b.bcm.mw	64	39	32	0.5	–	9.0	–	4.9
Clacton-on-Sea ...	cgp	bc	bc.b	b.bcz	63	42	39	1	–	9.0	–	4.7
Shoeburyness	p	borbc	f or m		64	38	29	1	–	11.0	–	4.5
Grain	p	borbc	F		64	38	31	1	–	<0800	–	3.8
Lympne	ofsmds	pmcbcbm	b or bc	bimbcm	63	41	29	0.4	–	9.0	–	~~1.4~~
Scilly (St. Mary's) ...	borbc	borbc	c	c	65	51	•	–	–	–	–	5.7
Falmouth	om.o	cbmbv	bw	bcm	65	45	40	–	–	–	–	2.5
Plymouth	o.o	borbc	b or bc	b or bc	66	43	39	–	–	–	–	?
Portland Bill	o.o	o.o	b or bc	b or bc	64	56	•	–	–	–	–	•
Calshot	form	borbc	b or bc	b or bc	66	45	40	–	–	–	–	6.1
Dungeness	M.md	cm	b or bc	fm	64	41	•	0.4	–	<0800	–	•
Jersey	odo.o	qc.o	c	bw	65	48	•	0.1	–	11.0	–	0.0

ISALLOBARS. Saturday, 15th October.



Temperature reported from Cross Channel and Coastal Steamers.

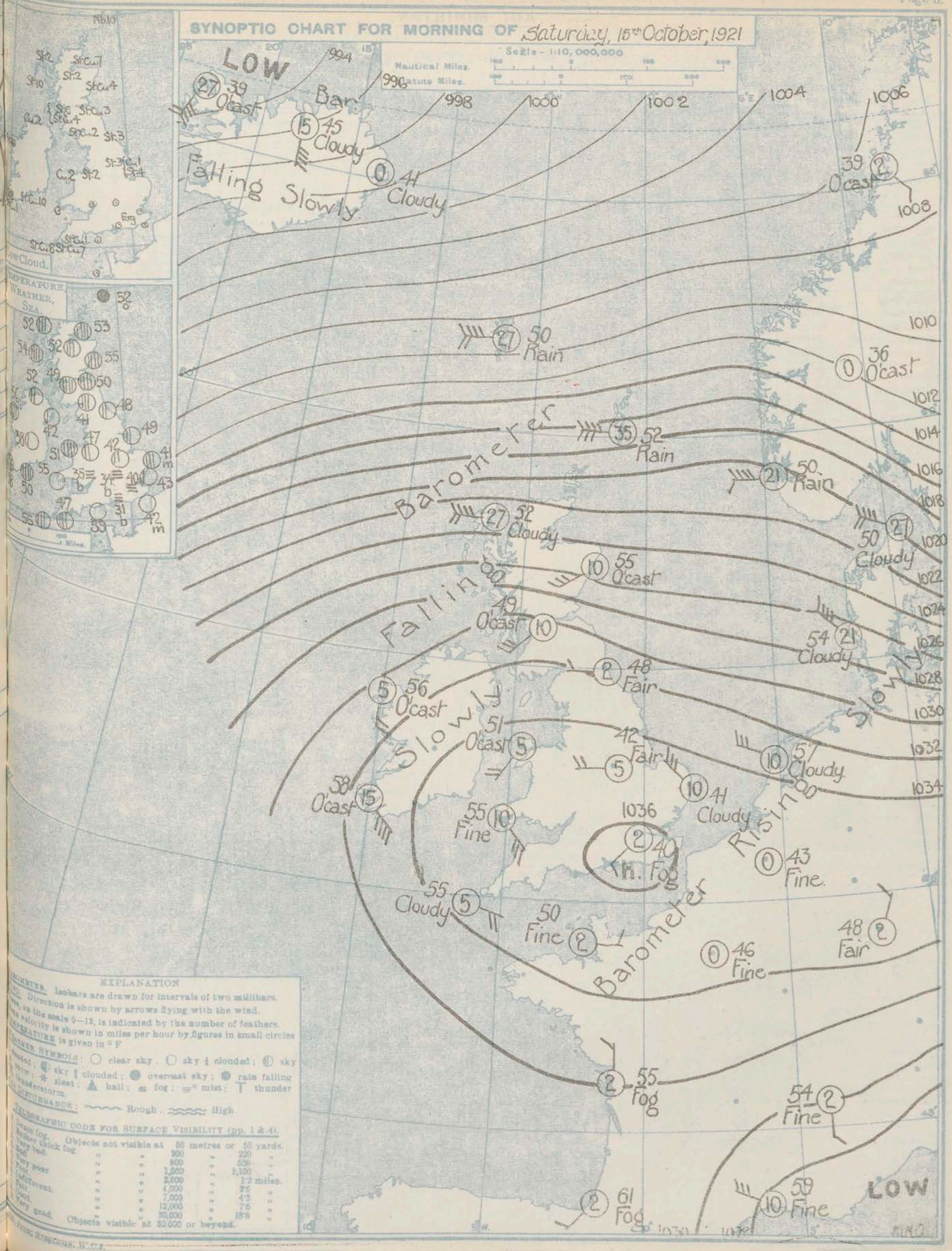
Position Number.	7	6
Date	14th	14th
Time G.M.T.	0740	0110
Sea ° F.	64	63
Air ° F	–	64

GENERAL INFERENCE.

The anticyclone now centred over the South-East of England is likely to maintain fair weather over the greater part of the Kingdom for some days, but some showers may occur in the extreme North and North-West.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday 15th October 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind light Westerly or variable; fine, but local mist or fog at night and in the morning; temperature rather high during daytime, low at night, local ground frost inland.	Mainly fair except in the far North and North-West.
5. S.W. England 6. South Wales	Wind South-East to South, fair; visibility mainly good apart from local mist; temperature rather high during daytime, low at night, local ground frost inland.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind between South-West and West, light or moderate; fair to cloudy; visibility fair; moderate temperature.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind West or South-West, moderate or fresh, strong locally; much cloud generally; some showers; visibility fair; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind South or South-West, light or moderate; fair to cloudy, visibility fair; moderate temperature.	

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


SYNOPTIC CHART FOR MORNING OF Saturday, 15th October, 1921
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
LOW
Falling Slowly
Barometer
Rising Slowly
Falling Slowly
Rising Slowly
Barometer
Barometer
LOW
994
996
998
1000
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
1028
1030
1032
1034
1036
Th. Fog
Low Cloud.
TEMPERATURE
WEATHER,
SEA.
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind.
Force, on the scale 0—12, is indicated by the number of feathers.
Wind velocity is shown in miles per hour by figures in small circles
TEMPERATURE is given in ° F
WEATHER SYMBOLS: clear sky, sky ½ clouded; sky clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough. High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Thick fog " " 200 " 220 "
2 Very bad " " 500 " 550 "
3 Very poor " " 1,000 " 1,100 "
4 Poor " " 2,000 " 1·2 miles.
5 Indifferent " " 4,000 " 2·5 "
6 Fair " " 7,000 " 4·3 "
7 Good " " 12,000 " 7·5 "
8 Very good " " 30,000 " 18·6 "
9 Objects visible at 32,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION. SATURDAY, 15th OCTOBER 1921. No 288.

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	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1020·8	+1	W	5	o	47	92	6	–	Nb	10	–	10	*
Stornoway	1026·6	o	W	6	o+	*	*	5	*	*	*	*	*	*
Wick	1024·6	-1	WSW	3	o	50	85	9	–	–	o	a.St	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1031·4	-1	SSW	3	o	51	97	7	4000	StCu	9	–	9	*
Renfrew	1032·2	+1	WSW	3	o	51	85	8	5750	StCu	6	a.St	10	*
Inchkeith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1033·1	+1	SW	5	o	47	76	8	4000	StCu	10	–	10	*
Tynemouth	1032·5	o	WNW	1	o	49	85	7	5750	StCu	10	–	10	*
Blacksod Point	1033·6	o	S	1	b	50	85	7	–	–	o	–	o	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1035·8	+1 (-1)	SW'S	1	b	43	85	7	–	–	o	–	o	*
Holyhead	1034·4	o	SW	2	b	*	*	8	–	–	o	–	o	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1034·2	o	WSW	2	b	40	97	5	–	–	o	–	o	*
Spurn Head	1033·7	+1	WNW	4	b	50	92	7	–	–	o	–	o	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1034·6	+2	W	3	b	43	97	6	–	–	o	–	o	*
Gorleston	1033·9	+2	W'N	2	b	46	85	8	–	–	o	–	o	*
Fulham	1034·7	+3	WSW	2	b	42	97	6	–	–	o	–	o	*
Felixstowe														
Valencia (Cahirciveen)	1036·3	-3	NNE	1	mo	56	85	6	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1036·1	+1	NE	2	b	48	92	9	–	–	o	–	o	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	45	*	*	*	*	*	*	*	*
Croydon	1035·9	+1	S	1	b	42	97	5	–	–	o	–	o	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1035·1	+4	–	o	b	45	85	7	–	–	o	–	o	*
Scilly (St. Mary's)	1034·6	o	ENE	2	c	56	85	8	4000	StCu	7	–	7	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1035·7	+1	E	2	b	46	85	8	2500	StCu	1	–	1	*
Portland Bill	1033·0	o	ENE	5	b	58	85	8	–	–	o	–	o	*
Calshot	1036·1	+2	–	o	b	50	85	8	–	–	o	–	o	*
Dungeness	1034·6	+2	NNE	2	b	43	92	8	–	–	o	–	o	*
Jersey 7h / Guernsey 1h	1035·1	+1	ENE	3	o	61	97	7	4000	Nb	10	–	10	*

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	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1016·1	-4	W	7	or₀r₀	52	97	5	?	Nb	10	–	10	6
Stornoway	1023·7	o	WSW	6	c-	52	85	7	450	St	2	a.Cu	8	4
Wick	1021·5	+1	W	5	o	53	75	8	5750	StCu	10	*	10	3
Castlebay	1027·6	o	S (~~NW~~)	5	o	54	85	7	2500	St	10	~~a.St~~ –	10	5
Nairn	1023·6	*	W	5	bc	52	65	8	1500	St	2	Ci.Cu	6	*
Aberdeen	1025·6	-1	SW'W	3	o	56	55	8	5750	StCu	4	a.St	10	*
Malin Head	1030·6	-1	S	2	bc-	52	97	8	4000	Cu	2	a.Cu	4	3
Renfrew	1031·0	-1	SW	3	o+	49	85	8	1500	St	10	–	10	*
Inchkeith	1028·9	-1	WSW	5	o	50	85	7	–	StCu	3	a.Cu	9	4
Eskdalemuir	1032·8	+1	SSW	2	c	41	92	8	1600	StCu	2	Ci	7	*
Tynemouth	1031·3	o	W	1	bc-	48	92	5	2500	St	3	a.St	5	0
Blacksod Point	1030·3	-3	S	2	o+	56	85	7	800	St	10	–	10	1
Donaghadee	1032·2	o	–	o	b-	42	92	8	–	–	o	a.Cu	2	0
Birr Castle	1033·7	*	SW	1	b-	38	97	8	–	–	o	Ci.Cu	3	*
Baldonnell	1034·2	-1	–	o	b	41	85	8	–	–	o	Ci	2	*
Holyhead	1034·1	-1	SW'S	2	c+	51	97	9	2500	Cu	2	Ci	8	0
Liverpool (Bidston)	1034·3	-1	SW'W	1	bc+	47	85	7	4000	St	2	Ci.St	4	*
Manchester (Alex.Pk.)	1034·7	?	SE	2	e	41	97	4	–	–	o	Ci.St	7	*
Howden	1033·4	o	SSW	3	o+	43	97	4	1500	St	3	Ci.St	9	2
Spurn Head	1033·6	o	WSW	4	bc+	49	85	6	1500	St	5	–	5	*
Nottingham	1036·2	*	W	2	bc+	42	97	4	–	–	o	Ci	5	*
Cranwell	1034·6	o	W'N	3	o+	43	97	6	–	–	o	Ci.St	9	*
Gorleston	1034·8	o	WNW	3	mbc	41	97	4	–	–	o	Ci.Cu	6	*
Fulham	1035·1	o	–	o	b/f	40	97	4	–	–	o	Ci.St	1	0
Felixstowe	1036·6	o	NW	2	b	45	97	6	–	–	o	Ci.St	1	3
Valencia (Cahirciveen)	1032·3	-2	SE	4	o	58	85	8	2500	St	9	–	9	0
Roches Point	1034·4	-1	–	o	o	50	97	6	2500	StCu	10	–	10	3
Pembroke (St. Ann's H.)	1034·6	-1	SE	3	b	55	85	8	–	–	o	–	o	*
Ross-on-Wye	1035·7	-1	–	o	Fb-	35	97	1	–	–	o	–	o	*
Benson	1035·9	o	–	o	mb	34	97	4	–	–	o	–	o	*
S. Farnborough	1036·2	o	W	1	fb	31	97	3	–	–	o	–	o	*
London (Kew Obsy.)	1036·4	o	SW	1	FFo	40	97	1	<150	St	10	–	10	*
Croydon	1036·0	+1	–	o	bc+	40	97	4	–	–	o	Ci	5	*
Clacton-on-Sea	1034·9	+1	NW	3	b	43	92	6	–	–	o	a.St	3	0
Shoeburyness	1035·8	o	–	o	mb-	43	85	4	–	–	o	–	o	*
Grain	1034·8	o	WSW	1	mb-	40	97	4	–	–	o	Ci	1	0
Lympne	1035·4	o	NE	2	bc+	44	97	5	–	–	o	Ci.St	4	*
Scilly (St. Mary's)	1034·1	-1	E'S	2	e	55	92	8	4000	StCu	8	–	8	1
Falmouth	1035·2	o	N	2	c+	47	97	7	2500	StCu	7	–	7	*
Plymouth	1035·3	+1	E	1	b	49	97	7	2500	StCu	1	–	1	0
Portland Bill	1033·0	o	ENE	4	b	59	85	8	–	–	o	–	o	1
Calshot	1035·7	o	–	o	b	46	97	8	–	–	o	Ci.St	2	0
Dungeness	1035·2	+1	NNE	3	mmb	42	97	5	–	–	o	–	o	3
Jersey 7h / Guernsey 1h	1034·4	o	E	1	b	50	92	8	–	–	o	–	o	0

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

STATIONS.	Weather Fore-noon.	Weather After-noon.	Temp. Max. Day °F.	Temp. Min. Night °F.	Rainfall† Night 17h.-9h. 13th-14th mm.	Rainfall† Day 9h.-17h. 14th mm.	Sunshine Sunrise to 17h. 14th hr.	Sunshine Sunrise to Sunset 13th hr.
Banff	bc.(e)d	c	53	46	2	-	4.5	0.1
Montrose	c.d.c	bc	57	42	-	-	7.3	0.0
Llandudno	bc	bcb	58	52	6	-	8.3	2.0
Colwyn Bay	b	b	58	51	13	-	8.2	0.0
Rhyl	bc	bc	58	54	15	-	7.3	2.1
Southport	bcc bc	bcb bc	57	42	12	-	4.7	0.1
Blackpool	bc	c	57	53	5	-	6.4	0.7
Harrogate	b	b	58	46	-	-	8.7	0.0
Skegness	b	b	60	54	-	-	7.3	5.2
Aberystwyth	r.c.b	bbc	57	56	3	-	8.5	6.5
Bath	o.c	bc.b	63	57	2	·	5.0	5.1
Leamington Spa	b	bz	60	58	1	-	6.8	5.5
Lowestoft	ocbc	bc	62	51	0.3	–	6.8	7.0
Felixstowe	omr	b	57	52	2	-	4.6	8.2
Southend	or.c	bc.r	65	56	2	·	4.0	7.5

STATIONS.	Weather Fore-noon.	Weather After-noon.	Temp. Max. Day °F.	Temp. Min. Night °F.	Rainfall† Night 17h.-9h. 13th-14th mm.	Rainfall† Day 9h.-17h. 14th mm.	Sunshine Sunrise to 17h. 14th hr.	Sunshine Sunrise to Sunset 13th hr.
Paignton	ccmc	cbcb	68	59	1	-	3.5	0.5
Ilfracombe	oobcb	b	61	59	16	-	6.6	6.8
Bude	wcbc	b	63	57	2	-	5.6	4.3
Penzance	o.c	b	65	60	3	·	2.8	3.2
Torquay	o	b	69	61	1	-	4.2	0.0
Weymouth	c	c.bc	68	60	2	-	1.7	4.6
Bournemouth	bc	b	65	56	1	-	5.9	5.3
Portsmouth (S'thsea)	l.o	b	67	57	1	-	5.4	6.0
Worthing	ob	cb	66	55	1	-	3.7	4.7
Brighton	oc bc	b	67	54	1	-	3.0	5.4
Eastbourne	d.r.o	c.bc	66	53	0.2	1	2.3	1.9
Hastings	f.d.o	ocbcb	64	57	0.4	1	1.8	5.6
Folkestone	oob	c	62	56	-	0.2	1.1	8.8
Tunbridge Wells	omd.o	bc.b	67	53	trace	-	1.5	6.3
Ramsgate	-	-	64	57	1	-	1.1	7.9
Margate	od	ocbc	62	57	0.3	0.2	1.0	5.5
Deal	od	c.bc	61	59	trace	-	0.1	7.5

* 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. 21878 SUNDAY, 16th OCTOBER 1921.

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	Sea. 0-9
Lerwick	1016.3	0	W	7	0	53	85	6	7250	Nb	10	-	10	*
Stornoway	1023.9	+1	SW	6	c	55	75	7	450	Cu	5	A.Cu	8	*
Wick	1021.9	-1	WSW	2	0	57	75	8	4000	St.Cu	7	A.St	10	*
Castlebay	1027.2	0	SW	4	0+	55	92	6	1500	St.	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1024.7	-2	SW'S	2	b-	64	55	8	-	-	-	Ci.St	3	*
Malin Head	1028.7	-2	S	3	0+	53	97	8	4000	St.Cu	9	-	9	*
Renfrew	1030.2	-2	SW	4	bc-	57	65	8	4000	St.Cu	3	Ci	5	*
Inchkeith	1027.9	+1	W	5	bc-	55	75	7	-	St.Cu	2	Ci.Cu	5	*
Eskdalemuir	1030.9	-2	SW'S	5	bc	54	75	8	4000	Cu	1	Ci	6	*
Tynemouth	1030.8	-1	WSW	3	c	58	75	6	-	-	-	A.St	7	*
Blacksod Point	1028.2	-3	NNW	2	o/r	59	92	7	450	St.	9	-	9	*
Donaghadee	1031.3	-1	W	3	b-	58	75	8	4000	Cu	2	-	2	*
Birr Castle	1031.8		S	1	c+	59	85	7	-	-	-	A.St	8	*
Baldonnell	1032.7	-2	WSW	3	b	61	75	8	4000	Cu	2	-	2	*
Holyhead	1033.2	-1	SW'S	4	c	59	85	8	2500	St.Cu	7	-	7	*
Liverpool (Bidston)	1033.0	-1	WNW	1	b	57	65	8	4000	St.	2	Ci	3	*
Manchester (Alex.Pk.)	1033.7	-2	W	3	bc-	61	65	5	-	-	-	Ci.St	4	*
Howden	1032.3	-2	WSW	3	0	60	75	4	-	-	-	A.St	9	*
Spurn Head	1032.5	-1	WSW	3	bc	61	75	7	1500	St.	3	Ci	6	*
Nottingham	1033.6	*	W	3	b-	60	65	6	-	-	-	Ci.St	3	*
Cranwell	1033.5	-1	W	4	c	59	75	7	-	-	-	Ci.St	8	*
Gorleston	1032.8	-1	NW'W	2	bc-	61	85	7	-	-	-	Ci	4	*
Pulham	1033.9	-1	WSW	2	bc	60	65	9	-	-	-	Ci	4	*
Felixstowe	1034.4	-3	WNW	2	bc	61	55	8	-	-	-	Ci.St	5	*
Valencia (Cahirciveen)	1030.2	-3	SSE	4	0	63	85	8	1500	St.Cu	9	-	9	*
Roches Point	1032.9	-2	SSW	2	0	61	85	7	4000	St.Cu	10	-	10	*
Pembroke (St.Ann's H.)	1034.6	-1	S	2	b	60	85	8	4000	Cu	3	-	3	*
Ross-on-Wye	1033.4	-2	SW	2	b	62	55	7	-	-	-	Ci.St	1	*
Benson	1034.4	-3	NNW	1	b	63	65	8	-	-	-	Ci	1	*
S. Farnborough	1034.4	-2	WSW	1	b	64	58	7	-	-	-	Ci	1	*
London (Kew Obsy.)	1034.8	-4	WSW	1	b/f	59	65	6	-	-	-	Ci	2	*
Croydon	1034.3	-3	W	3	b	62	55	6	-	-	-	Ci.St	2	*
Gisclton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1034.7	-2	-	0	bm+	61	65	5	-	-	-	0	0	*
Grain	1034.3	-2	WSW	2	bc+	63	55	6	-	-	-	Ci.St	5	*
Lympne	1034.5	-4	SW	3	bc	62	65	8	4000	Cu	2	Ci.St	6	*
Scilly (St. Mary's)	1032.6	-2	SE	1	bc-	63	85	8	4000	St.Cu	4	-	4	*
Falmouth	1033.8	-2	SE	3	bmm	63	85	7	2500	Cu	6	-	6	*
Plymouth	1034.1	-2	SE	1	bc	66	65	7	2500	St.Cu	4	-	4	*
Portland Bill	1033.0	0	NE	3	b	61	85	8	-	-	-	-	0	*
Calshot	1034.8	-1	-	0	b	64	65	7	-	-	-	-	0	*
Dungeness	1034.7	-1	S	2	b	62	69	7	4000	Cu	2	-	2	*
Jersey	1033.3	-1	E	2	b	67	45	8	-	-	-	-	0	*

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	1016.1	0	W	8	0	52	85	6	7250	Nb	10	-	10	6
Stornoway	1020.4	-2	S	5	0+	54	92	7	450	St.	10	-	10	4
Wick	1020.0	-1	W	2	b-	54	75	8	4000	Cu	1	Ci.St	3	0
Castlebay	1023.2	-2	SSW	5	o/r	55	97	6	1500	Nb	10	-	10	6
Nairn	1021.6	*	W	2	bc	53	86	8	1500	St.	2	A.Cu	4	*
Aberdeen	1023.4	-1	W'S	1	b-	50	85	7	-	-	-	-	0	0
Malin Head	1024.8	-5	SSE	3	0	57	97	8	4000	St.Cu	10	-	10	2
Renfrew	1027.6	-2	WSW	3	0	52	85	8	4000	St.Cu	9	-	9	*
Inchkeith	1028.0	-3	WSW	5	b-	53	85	7	-	St.	1	-	1	
Eskdalemuir	1029.1	-1	SW	3	c+	50	85	7	1500	Cu	8	-	8	*
Tynemouth	1028.4	-3	-	0	bc	54	85	5	2500	St.	2	Ci.Cu	4	0
Blacksod Point	1025.1	-3	SSW	5	od	59	92	6	450	St	10	-	10	4
Donaghadee	1028.2	-2	WSW	1	c+	58	85	8	5750	St.Cu	8	-	8	0
Birr Castle	1028.6	*	S	2	0+	59	92	6	2500	St.	9	-	9	*
Baldonnell	1029.9	-2	SSW	2	0	57	86	8	4000	St.Cu	10	-	10	*
Holyhead	1030.4	-2	S	3	b	57	85	8	2500	Cu	3	-	3	1
Liverpool (Bidston)	1030.8	-3	NW	1	bm	55	75	3	-	-	-	-	0	1
Manchester (Alex.Pk.)	1031.1	-2	ESE	1	b-	50	85	4	-	-	-	-	0	*
Howden	1030.3	-2	SW'W	3	bc-	50	85	5	-	-	-	A.St	6	*
Spurn Head	1030.5	-2	WSW	3	b	54	75	7	1500	St.	1	-	1	2
Nottingham	1031.5	*	W	1	b-	53	85	4	-	-	-	-	0	*
Cranwell	1031.3	0	SW	2	bc-	50	85	7	7250	-	-	A.St	4	*
Gorleston	1031.4	-2	-	0	bc	55	65	6	-	-	-	Ci	4	0
Pulham	1032.2	-1	-	0	bc	49	85	8	-	-	-	Ci	4	*
Felixstowe	1032.7	-2	-	0	bm	55	75	7	-	-	-	Ci.St	3	0
Valencia (Cahirciveen)	1027.0	-3	S'E	4	od	61	92	7	800	St.	10	-	10	3
Roches Point	1030.7	-3	S	2	0	60	92	7	1500	St.	10	-	10	0
Pembroke (St.Ann's H.)	1031.1	-3	ESE	2	b	57	92	8	-	-	-	-	0	2
Ross-on-Wye	1031.5	-2	S	1	b	55	75	7	-	-	-	-	0	*
Benson	1032.1	-2	-	0	b	50	85	8	-	-	-	Ci	1	*
S. Farnborough	1032.9	-2	-	0	b-	50	86	7	-	-	-	Ci	1	*
London (Kew Obsy.)	1032.6	-2	-	0	b	53	85	5	-	-	-	Ci	2	*
Croydon	1032.7	-2	-	0	b-	51	85	6	-	-	-	Ci.St	1	*
Gisclton-on-Sea	1032.1	-3	W	1	bc	56	85	6	-	-	-	Ci.St	5	0
Shoeburyness	1032.8	-2	-	0	bf+	49	85	2	-	-	-	Ci.St	3	*
Grain	1032.7	-1	-	0	am	54	85	5	-	-	-	A.St	9	0
Lympne	1033.1	-1	SSW	2	bc	52	85	8	4000	Cu	1	Ci.St	6	*
Scilly (St. Mary's)	1030.7	-2	SE'E	2	b	58	92	8	4000	St.Cu	3	-	3	1
Falmouth	1031.3	-3	SE	1	bmm	57	92	5	-	St.Cu	1	-	1	*
Plymouth	1031.8	-2	E	1	bc+	57	85	7	2500	St.Cu	5	-	6	*
Portland Bill	1032.8	-1	E	3	b	60	85	8	-	-	-	-	0	1
Calshot	1032.5	-2	S	1	b	59	85	7	-	-	-	-	0	0
Dungeness	1033.2	-2	W	2	b-	58	85	8	-	-	-	-	0	2
Jersey	1031.0	-1	NE	3	0	60	75	8	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. 16th								YESTERDAY.	TO-DAY.	
Kew	bmwbz	bzybz	mfwbf	*	*	34	-	5r	7.6	*	*
Croydon } 24 hours ended 0700	bcbmwf	bzyz	bmwf	*	*	35	-	5r	8.7	*	*
Greenwich (Royal Obsy.)	b	b	bzbm	64	40	31	-	-	8.3	55	99
City (Bunhill Row)	*	*	*	*	*	*	*	*		*	*
Westminster (St. James' Pk.)	*	*	*	64	42	?	-	-		63	96
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	6.6	*	*
Camden Sq. (Brit. Rainfall)	bmw	b	*	63	42	39	-	-	*	57	100
Kensington Palace	b	b	*	64	42	34	-	-	*	61 (est.)	99
Hampstead Observatory	*	*	*	63	47	35	-	-	8.7	*	83

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.

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

South Kensington

Max.	Time.	Min.	Time.

Kew Observatory

Max.	Time.	Min.	Time.

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total ..... joules

Average Rate ..... Milliwatts.

Maximum Rate ..... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

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

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

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

16th & 17th October 1921.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.22	11.39	4.55
	6.23	11.38	4.53
Greenwich	6.27	11.46	5.4
	6.28	11.45	5.2
Wick	6.52	11.58	5.3
	6.54	11.57	5.1
Valencia	7.9	12.27	5.44
	7.10	12.26	5.42

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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 20 feet above the ground.

Beaufort No.	Statute miles per hour.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

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.

* Information for those columns not usually received.

‡ The barometric change is expressed in half millibars.

§ For code see page 3.

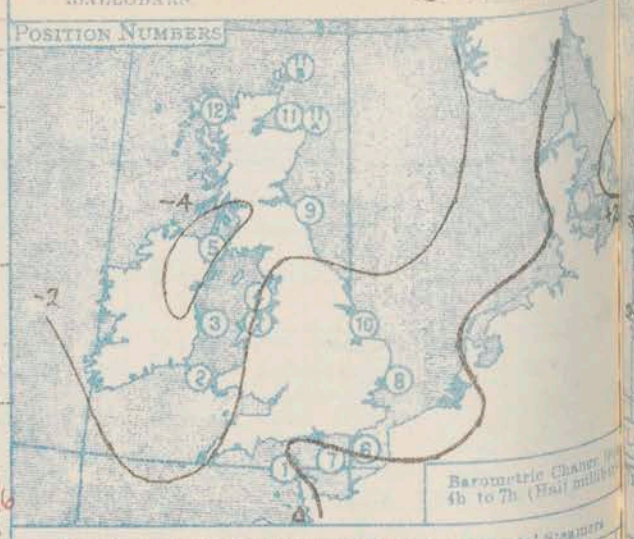
M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-18h. 15th	18h.-18h. 15th	18h.-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	om	o.o	oo	po	53	51	*	trace	trace	<08.00	<0500	*
Stornoway	c	c	r or d	p	56	54	*	–	3	–	–	2.3
Wick	o.o	c	b or bc	b or bc	58	52	*	–	–	–	–	*
Castlebay	o	odp	dp, r, o	dp	55	55	*	trace	0.4	14.30	<2100	0.0
Nairn	b or bc		b or bc		57	51	*	–	–	–	–	3.1
Aberdeen	obcb	borbc	bm. bcq		64	46	36	–	–	–	–	4.6
Malin Head	c	o.o	c	c	59	47	*	–	–	–	–	2.3
Renfrew	c	c	c	or, r, o	57	50	48	–	1	–	3.30	*
Inchkeith	c	borbc	c		56	51	48	–	–	–	–	*
Eskdalemuir	c	borbc	c	odm	55	48	45	–	0.2	–	5.30	7.0
Tynemouth	borbcm	borbcm	bm	ifm	62	46	*	–	–	–	–	*
Blacksod Point	r or d	r or d	r or d	r or d	60	58	*	1	13	11.0	–	*
Donaghadee	bc	bc	bc. id	o	60	54	*	–	trace	–	5.30	*
Birr Castle	bco.o	c	c	c	61	54	51	–	–	–	–	1.9
Baldonnell	borbc	o.o	c.b.bc	b.bcm	62	55	47	–	*	–	–	7.~~4~~6
Holyhead	c.o.c	c.b.bc	c.bc.b	bco	61	55	50	–	–	–	–	7.2
Liverpool (Bidston)	borbc	borbc	b or bc		58	47	38	–	–	–	–	8.3
Manchester (Alex.Pk.)	cmbcg	bcgbgm	bmff	bffxm	62	35	30	–	–	–	–	*
Howden	o.o	o.o	borbc	F	61	35	29	–	–	–	–	~~5.7~~
Spurn Head	c	c	b or bc	b or bc	61	48	*	–	–	–	–	7.7
Nottingham	borbc	borbc	ff		62	38 ~~40~~	35	–	–	–	–	8.5
Cranwell	cm	cm	mm	bbcmm	60	45	34	–	–	–	–	9.0
Gorleston	borbc	bcbcg	b or bc	b or bc	62	49	44	–	–	–	–	8.7
Pulham	borbc	borbc	b or bc	f or m	61	37	30	–	–	–	–	7.7
Felixstowe	borbc	borbc	F 46		63	44	38	–	trace	–	–	8.0
Valencia (Cahirciveen)	obcc	odp	p	odoodp	63	60	59	0.1	–	16.30	–	1.2
Roches Point	o.o	o.b	oo	67 ~~60~~		55	*	–	–	–	–	*
Pembroke (St.Ann's H.)	borbc	borbc	bcw	oo	61	56	*	–	–	–	–	8.4
Ross-on-Wye	m.b	bcg13	bwbmbmwsffom		65	38	33	–	–	–	–	8.6
Benson	borbc	borbc	b ifo		64	39	33	–	trace	–	2400	*
S. Farnborough	borbc	borbc	F		67	37	30	–	–	–	–	8.4
London (Kew Obsy.)	bmw.bg	bcgbg	bmfwbhwofw		62	41	34	–	trace	–	–	7.6
Croydon	bbmwmg	bg35	bim	bmwmf	64	42	35	–	trace	–	–	8.7
Clacton-on-Sea	bcg		bcgm	bcm	61	47	43	–	–	–	–	8.6
Shoeburyness	borbc	for m	F		63	37	32	–	–	–	–	7.4
Grain	for m	c	F		~~64~~	39	34	–	trace	–	–	7.5
Lympne	bbcm	borbc	borbc	bobimw	63	48	31	–	trace	–	<0800	9.1
Scilly (St. Mary's)	c	borbc	borbc	for m	63	56	*	–	0.1	–	–	6.3
Falmouth	bcm	bgbm	bmwbmbc		64	53	48	–	–	–	–	7.9
Plymouth	borbc	borbc	borbc	for m	60	44	42	–	0.1	–	<0800	9.5
Portland Bill	borbc	borbc	borbc	borbc	63	53	*	–	–	–	–	*
Calshot	form	form	borbc	oo	63	46	41	–	0.1	–	<0800	9.0
Dungeness	borbc	c	borbc	borbc	63	45	*	–	–	–	–	*
Jersey	b	b.o	obw		69	46	*	–	–	–	–	9.3

ISALLOBARS 16TH OCTOBER

POSITION NUMBERS



Temperature reported from Cross Channel and Coastal Steamers

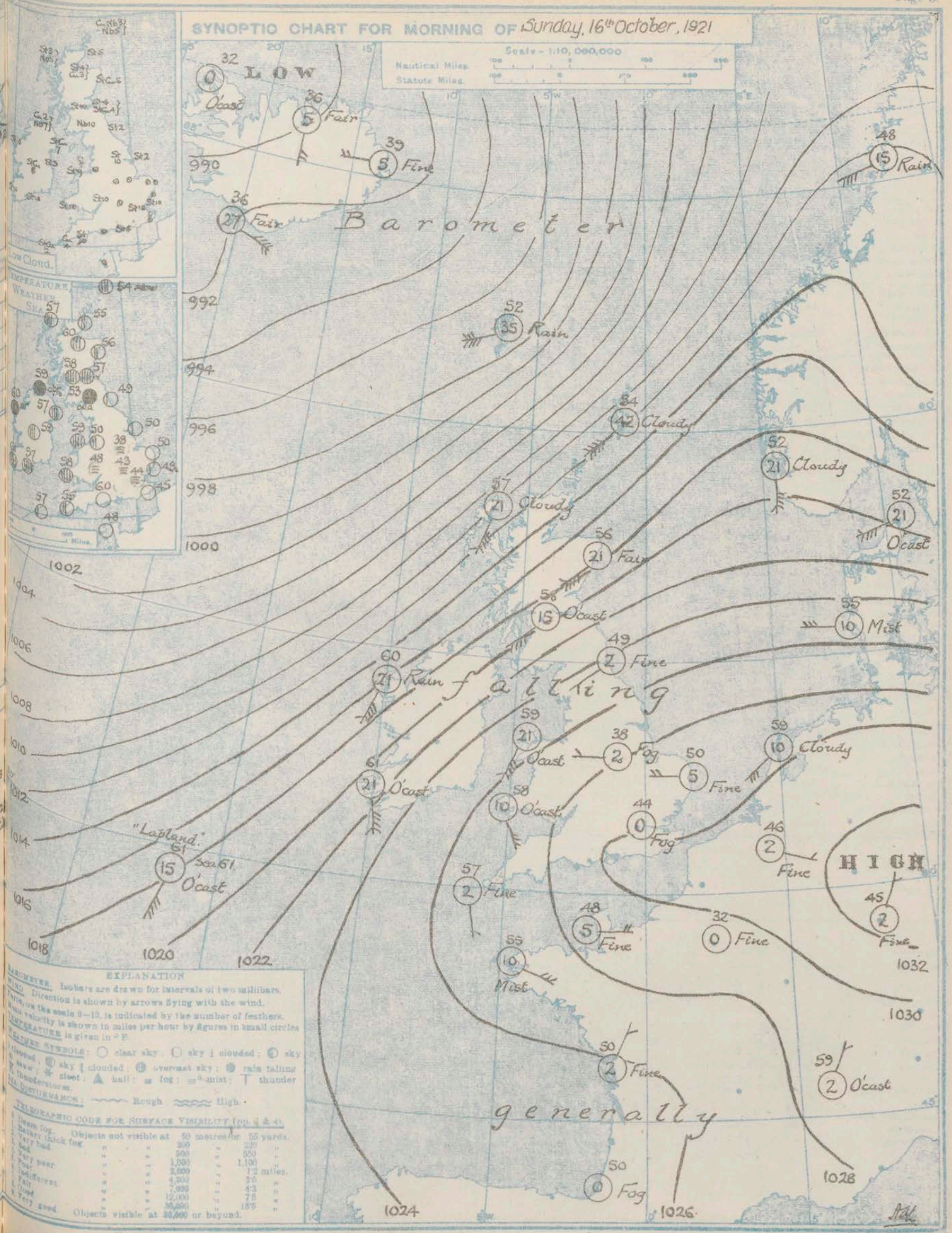
Position Number	7	7	6	3	1	6
Date	14th	15th	15th	15th	15th	16th
Time G.M.T.	0040	0212	0256	1000	1227	0830
Sea ° F	63	62	62	58	61	62
Air ° F	?	58	56	57	62	48

GENERAL INFERENCE.

Pressure continues to fall over the Kingdom generally and showers or slight rain are to be expected in Scotland and Ireland. The anticyclone centred over South-East England is, however, likely to maintain fair weather over the greater part of England for at least another day or two.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 16th October, 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light variable wind; fine, but much mist or fog at night and early morning; moderate day temperature, cool at night, with ground frost inland.	Rain at times in the West and North; continuing fair in the South East.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind Southerly, light or moderate; fair to cloudy, perhaps slight rain later, some mist or fog; moderate temperature.	
9. N. Midlands 10. N.E. England	Light Southerly wind; fair, but much mist or fog at night and early morning; moderate day temperature, cool at night, with ground frost inland.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind S. to S.W., moderate or fresh; cloudy, slight rain or drizzle locally, visibility fair; moderate temperature.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind mainly S.W., fresh or strong; cloudy, some rain or drizzle, visibility fair; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind Southerly, moderate or fresh; cloudy to dull, rain in places, visibility fair; moderate temperature.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.00. G. C. SIMPSON, F.R.S., Director.


SYNOPTIC CHART FOR MORNING OF Sunday, 16th October, 1921
Scale – 1:10,000,000
Nautical Miles
Statute Miles
LOW
Barometer
falling
generally
HIGH
"Lapland."
Low Cloud.
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers.
Wind velocity is shown in miles per hour by figures in small circles
TEMPERATURE is given in ° F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (Cop. 3 & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Rather thick fog " " 200 " 220 "
2 Very bad " " 500 " 550 "
3 Bad " " 1,000 " 1,100 "
4 Very poor " " 2,000 " 1½ miles.
5 Poor " " 4,000 " 2½ "
6 Indifferent " " 7,000 " 4½ "
7 Fair " " 12,000 " 7½ "
8 Good " " 20,000 " 15½ "
9 Very good " " 30,000 " 18½ "
Objects visible at 30,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. SUNDAY, OCTOBER 16TH 1921. No. 289.

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	1014.2	-2	W	8	o	54	97	6	-	Nb	10	-	10	*
Stornoway	1017.2	-4	WSW	6	or	*	*	5	*	*	*	*	*	*
Wick	1016.6	-3	SW	3	bc	55	85	8	-	-	0	aCu	4	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1020.0	-3	S	4	bc-	56	97	8	4000	Cu	2	aCu	4	*
Renfrew	1023.9	-3	SW	4	o+	56	85	8	7250	StCu	9	-	9	*
Inchkeith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1026.4	-2	S	3	o	51	92	7	2500	StCu	10	-	10	*
Tynemouth	1026.7	-2	W	1	fb-	48	92	2	-	-	0	-	0	*
Blacksod Point	1020.4	-5	SE'S	5	or	66	92	7	450	St	10	-	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1025.8	-6	SSW	5	bc	58	85	8	4000	Cu	4	-	4	*
Holyhead	1026.2	-2	SW	4	b-	*	*	8	-	-	0	-	0	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1028.6	-2	SSE	1	b-	37	97	3	-	-	0	-	0	*
Spurn Head	1029.5	-1	WSW	2	bc+	52	97	8	-	-	0	aCu	4	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1029.4	-2	WSW	3	b	48	92	6	-	-	0	-	0	*
Gorleston	1029.9	-1	W'S	3	bc	49	75	8	-	-	0	Ci	4	*
Pulham	1030.6	-1	-	0	bc	39	97	6	-	-	0	Ci	3	*
Felixstowe	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Valencia (Cahirciveen)	1023.2	-4	SSE	3	od	61	92	3	-	St	9	-	9	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St.Ann's H.)	1029.4	-2	S	3	b	58	97	8	-	-	0	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1031.3	-1	S	1	b	46	97	5	-	-	0	-	0	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1031.6	-2	SSE	2	bc	49	92	7	-	-	0	Ci:St	4	*
Scilly (St. Mary's)	1029.0	-1	SSE	1	b	57	97	7	-	-	0	-	0	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1030.1	-2	E	3	fb	48	97	4	2500	StCu	4	-	4	
Portland Bill	1030.0	0	SE	2	b	58	97	8	-	-	0	-	0	*
Calshot	1030.9	-2	NW	1	fbc	50	97	4	450	St	5	-	5	*
Dungeness	1031.6	-2	-	0	bc+	57	85	8	-	-	0	CiCu	5	*
Jersey 7h / Guernsey 1h	1030.3	-1	SE	3	b	57	85	8	-	-	0	-	0	*

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. 0-9
Lerwick	1011.2	-3	SW	8	c-	54	97	7	7250	Nb	8	-	8	7
Stornoway	1011.3	-3	SSW	5	c-	57	92	6	450	Nb	8	-	8	4
Wick	1013.4	-3	SSW	4	bc-	55	92	8	800	St	5	-	5	3
Castlebay	1015.6	-2	S	5	opr	57	97	7	2500	Nb	10	-	10	5
Nairn	1014.2	*	W	1	c+	60	75	8	1500	St	7	-	7	*
Aberdeen	1017.7	-3	SW	3	bc+	56	85	7	5750	StCu	5	-	5	0
Malin Head	1016.9	-4	S	3	opr	59	97	8	4000	Nb	9	-	9	2
Renfrew	1020.2	-3	SW	4	ohr	58	85	8	2500	St	10	-	10	*
Inchkeith	1019.6	-5	WSW	5	cv	57	85	9	-	St	8	-	8	4
Eskdalemuir	1023.5	-2	S'W	4	odd	53	97	5	225	Nb	10	-	10	*
Tynemouth	1024.0	-3	SW	1	b	49	97	7	2500	St	2	CiCu	3	0
Blacksod Point	1017.5	-3	SSW	5	or	60	92	6	1500	St	10	-	10	4
Donaghadee	1021.4	-2	W	1	chr	57	92	8	5750	StCu	7	aCu	8	0
Birr Castle	1022.5	*	S	2	c-	59	97	7	4000	StCu	8	-	8	*
Baldonnell	1022.9	-4	S'W	5	c+	59	85	6	1500	St	5	Ci	7	*
Holyhead	1024.7	-2	SSW	5	o-	59	92	7	1500	St	9	aSt	10	3
Liverpool (Bidston)	1025.2	-2	SSE	1	bc	50	85	7	4000	StCu	3	Ci	5	0
Manchester (Alex.Pk.)	1026.8	-1	E	1	bf	42	97	4	-	-	0	Ci	3	*
Howden	1026.9	-1	SE	1	Fo+	36	97	0	450	St	10	-	10	1
Spurn Head	1027.0	-1	SSW	2	b-	50	92	8	2500	St	2	-	2	*
Nottingham	1028.0	*	W	1	Fb-	38	97	0	-	-	0	-	0	*
Cranwell	1028.1	-1	WSW	3	b	47	97	6	-	-	0	-	0	0
Gorleston	1028.4	-1	W	2	b	50	92	5	-	-	0	-	0	*
Pulham	1029.3	-1	-	0	Fb-	41	97	0	-	-	0	-	0	0
Felixstowe	1030.0	-1	W	1	ffb	49	97	3	-	-	0	-	0	0
Valencia (Cahirciveen)	1020.9	-2	S'E	5	o	61	75	7	800	St	10	-	10	3
Roches Point	1024.8	-3	S	4	o	57	97	6	1500	St	10	-	10	5
Pembroke (St.Ann's H.)	1026.3	-2	SSE	3	o	58	97	8	4000	StCu	10	-	10	3
Ross-on-Wye	1028.0	-2	SE	1	fo-	48	97	3	800	St	10	-	10	*
Benson	1025.2	-1	-	0	ffb	43	92	2	-	-	0	-	0	*
S. Farnborough	1030.0	-1	-	0	Fb	37	97	1	-	-	0	-	0	*
London (Kew Obsy.)	1029.8	-1	-	0	ffo	44	97	0	450	St	10	-	10	*
Croydon	1029.6	-1	-	0	Fb	43	97	2	-	-	0	-	0	0
Clacton-on-Sea	1029.3	-1	WNW	2	fb-	49	92	4	-	-	0	Ci:St	3	0
Shoeburyness	1029.8	-2	-	0	Ffo	39	92	0	450	St	10	-	10	*
Grain	1029.6	-2	-	0	Ffo	47	97	0	450	St	10	-	10	0
Lympne	1029.9	-1	S	1	b	52	92	7	-	-	0	-	0	*
Scilly (St. Mary's)	1026.5	-2	SSE	1	wb-	57	97	7	4000	StCu	2	-	2	*
Falmouth	1027.1	-2	SE	2	bcf	55	97	8	2500	Cu	4	Ci	5	*
Plymouth	1027.6	-2	NE	2	ifb	45	97	1	-	-	0	-	0	*
Portland Bill	1028.7	0	SE	2	b	60	85	8	-	-	0	-	0	1
Calshot	1028.8	-1	-	0	Ffb	47	97	1	450	St	5	-	5	0
Dungeness	1029.9	-2	N	1	b	45	92	6	-	-	0	-	0	0
Jersey 7h / Guernsey 1h	~~1030.1~~ 1028.1	-1	E	2	b	48	97	8	-	-	0	-	0	0

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 14th-15th mm.	Rainfall.† Day 9h.-17h. 15th mm.	Sunshine. Sunrise to 17h. 15th hr.	Sunshine. Sunrise to Sunset. 14th hr.
Banff	oc.bc	bc.b	62	49	-	-	2.8	4.5
Montrose	bc	bc	62	49	-	-	7.8	7.3
Llandudno	b	b	63	42	-	-	9.3	8.3
Colwyn Bay	b	b	59	42	-	-	9.6	0.0
Rhyl								
Southport	c.bc.b	b	60	47	-	-	7.4	4.7
Blackpool	c.b	b	61	45	-	-	6.9	6.4
Harrogate	bc.b	b	60	41	-	-	7.0	8.7
Skegness	w.xmb	m.b	60	40	-	-	8.4	7.3
Aberystwyth	c.b.b	b.bc	64	40	-	-	9.5	8.5
Bath	b	b	66	34	-	-	9.0	5.0
Leamington Spa	b	b	63	35	-	-	8.8	6.8
Lowestoft	bc	bcw	64	40	-	-	8.8	6.8
Felixstowe	bc	bc	62	42	-	-	8.0	4.6
Southend	mcw.b	bbcm	65	43	-	-	7.2	4.0

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 14th-15th mm.	Rainfall.† Day 9h.-17h. 15th mm.	Sunshine. Sunrise to 17h. 15th hr.	Sunshine. Sunrise to Sunset. 14th hr.
Paignton	w.bm	b	65	53	-	-	8.5	3.6
Ilfracombe	b.	b	65	48	-	-	9.2	6.6
Bude								
Penzance	b	b	65	46	-	-	8.1	2.9
Torquay	b	b	67	46	-	-	8.2	0.0
Weymouth	b	b	67	47	-	-	9.1	1.7
Bournemouth	b	b	65	40	-	-	9.5	5.9
Portsmouth (S'thsea)	b	b	65	44	-	-	9.0	5.4
Worthing	b	b	64	45	-	-	9.4	3.7
Brighton	b	b	64	46	-	-	9.2	3.0
Eastbourne	b	b	64	46	-	-	9.3	2.3
Hastings	b	b	63	46	-	-	8.1	1.8
Folkestone	c.bc	b	64	46	-	-	9.3	1.1
Tunbridge Wells	b	b	64	37	-	-	8.5	1.5
Ramsgate	b	b	64	43	-	-	8.4	1.1
Margate	b	b	61	47	-	-	7.8	1.0
Deal								

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 21879 Monday, 17th October 1921. Page 1.

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	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1009.4	-5	SW	8	od₀	55	97	6	7250	Nb	10	–	10	*
Stornoway	1014.5	0	NW	6	opr₀	54	85	6	450	St	10	–	10	*
Wick	1012.0	-1	SW	4	or₀+	58	92	8	2500	Nb	8	a.St	10	*
Castlebay	1016.1	+2	WNW	4	o/r	54	97	7	4000	St	10	–	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1016.2	-2	SW'S	5	c+	62	85	8	5750	StCu	6	a.Cu	8	*
Malin Head	1017.6	+2	WSW	3	o	58	97	7	2500	Nb	10	–	10	*
Renfrew	1018.6	-2	SW	5	opr₀	60	85	8	1500	Nb	10	–	10	*
Inchkeith	1018.0	-3	SW'W	5	o	60	85	8	*	St	3	a.St	9	*
Eskdalemuir	1021.2	-2	SSW	6	od	56	97	4	325	Nb	10	–	10	*
Tynemouth	1022.0	-1	SW	4	b	63	75	7	2500	St	2	Ci	3	*
Blacksod Point	1019.4	+3	WSW	4	od₀	59	92	7	450	St	10	–	10	*
Donaghadee	1019.9	-2	SW	4	bc+	63	85	8	5750	StCu	4	a.Cu	6	*
Birr Castle	1021.3	*	SW	1	dodo	63	97	6	4000	Nb	9	–	9	*
Baldonnell	1021.8	-1	SSW	6	o	65	75	7	1500	StCu	6	a.Cu	9	*
Holyhead	1024.1	0	SSW	5	o	60	92	8	1500	StCu	10	–	10	*
Liverpool (Bidston)	1024.2	-2	SW'W	3	o+	64	65	6	800	Cu.Nb	10	–	10	*
Manchester (Alex. Pk.)	1025.0	-3	SSW	3	b-	62	65	6	–	–	0	Ci.St	2	*
Howden	1024.6	-2	S'E	4	bc	62	75	4	–	–	0	Ci	4	*
Spurn Head	1025.5	-2	SSW	3	b	63	75	8	1500	St	1	–	1	*
Nottingham	1026.1	*	W	2	b-	59	75	6	4000	Cu	2	–	2	*
Cranwell	1026.3	-2	WSW	4	b	61	75	7	–	–	0	–	0	*
Gorleston	1026.4	-1	SSW	4	b	64	55	6	–	–	0	–	0	*
Pulham	1026.7	-3	S	3	b	65	55	8	–	–	0	–	0	*
Felixstowe	1027.8	-4	SSE	3	bv	63	65	9	–	–	0	–	0	*
Valencia (Cahirciveen)	1022.3	+1	SW	3	o	62	92	8	800	St	10	–	10	*
Roches Point	1024.1	0	SW	4	od₀d₀	61	97	6	800	Nb	10	–	10	*
Pembroke (St. Ann's H.)	1026.0	-1	S	3	o	59	85	8	2500	St	10	–	10	*
Ross-on-Wye	1025.9	-2	WSW	2	bc	62	65	8	4000	Cu	1	Ci	4	*
Benson	1027.5	-2	S	1	b/f	64	75	7	–	–	0	–	0	*
S. Farnborough	1027.1	-2	SW	3	b	66	55	7	–	–	0	–	0	*
London (Kew Obsy.)	1027.2	-4	WSW	2	b/f	60	75	6	–	–	0	–	0	*
Croydon	1027.1	-5	S	3	b	67	55	8	–	–	0	–	0	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1027.4	-2	E	2	b/f	64	65	6	–	–	0	–	0	*
Grain	1026.9	-5	SSW	2	b	67	55	7	–	–	0	–	0	*
Lympne	1027.8	-5	S	3	b	63	55	8	–	–	0	–	0	*
Scilly (St. Mary's)	1026.5	0	SE'E	2	bc	63	85	7	2500	St	4	–	4	*
Falmouth	1026.4	+1	SSE	2	b	62	85	8	–	Cu	1	–	1	*
Plymouth	1026.6	-2	S	2	bc	65	75	8	2500	StCu	1	Ci.St	4	*
Portland Bill	1027.5	-2	–	0	b	64	85	8	–	–	0	Ci.Cu	1	*
Calshot	1027.3	-2	SE	3	b+	68	55	8	–	–	0	a.Cu	1	*
Dungeness	1028.0	-2	SW	2	b	63	65	8	–	–	0	–	0	*
Jersey	1025.7	-1	E	2	b	62	65	8	–	–	0	–	0	*

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	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1011.2	+5	W	7	bc	49	75	7	–	–	0	ACu	4	6
Stornoway	1018.8	0	NW	2	b-	47	85	6	4000	Cu	2	–	2	0
Wick	1017.5	+6	SW	3	c/r	49	85	9	–	–	0	a.St	7	0
Castlebay	1020.4	+3	WNW	3	b-	51	65	8	7250	StCu	2	–	2	
Nairn	1018.4	*	W	1	o/r	52	92	8	1500	St	9	–	9	*
Aberdeen	1018.6	+5	NW'W	4	o	56	85	8	4000	Cu	10	–	10	3
Malin Head	1020.2	+3	NNW	1	od	52	97	6	1500	Nb	10	–	10	2
Renfrew	1019.2	+2	SW	3	o/r	58	97	7	2500	StCu	5	a.Cu	9	*
Inchkeith	1018.4	+2	W	4	opr₀	58	97	6	*	CuNb	10	–	10	3
Eskdalemuir	1020.6	+1	SSW	4	d₀d₀	56	97	4	325	Nb	10	–	10	*
Tynemouth	1020.8	0	SW	4	o	60	85	6	–	–	0	a.St	10	2
Blacksod Point	1020.6	+2	NW	2	opr₀	57	97	4	450	St	10	–	10	1
Donaghadee	1020.6	+1	SW	2	cd₀	60	92	8	5750	Cu	8	–	8	2
Birr Castle	1021.9	*	SW	1	c-	59	92	7	–	Cu	8	–	8	*
Baldonnell	1022.4	+2	WSW	2	mo+	60	97	7	800	StCu	10	–	10	*
Holyhead	1023.0	0	S'W	4	o	59	92	8	1500	StCu	10	–	10	3
Liverpool (Bidston)	1024.0	+1	–	0	c	60	65	7	2500	St	7	–	7	1
Manchester (Alex. Pk.)	1024.5	+1	SW	1	o+	58	85	5	2500	St	9	a.Cu	10	*
Howden	1024.3	0	S	1	me	53	92	5	1500	St	4	a.Cu	7	*
Spurn Head	1024.1	0	SW	3	b	56	75	8	1500	St	1	Ci	2	2
Nottingham	1025.1	*	SW	1	bc+	54	92	3	2500	Cu	2	a.Cu	5	*
Cranwell	1025.6	0	SW	2	b	53	92	6	–	–	0	Ci.St	2	*
Gorleston	1025.3	-1	SW	2	b-	57	75	8	–	–	0	a.Cu	1	0
Pulham	1025.8	-1	S	1	b	52	85	8	–	–	0	Ci.St	2	*
Felixstowe	1026.2	-2	–	0	b	55	92	9	–	–	0	–	0	0
Valencia (Cahirciveen)	1022.3	0	SSW	2	c	60	92	8	800	StCu	8	–	8	0
Roches Point	1023.9	+1	SW	1	Fo	60	97	2	<150	St	10	–	10	1
Pembroke (St. Ann's H.)	1024.9	-1	SW	3	o	59	92	8	2500	St	10	–	10	3
Ross-on-Wye	1025.5	-1	SW	1	c+	55	85	7	–	–	0	a.St	8	*
Benson	1025.8	0	–	0	b	52	92	8	–	–	0	Ci	2	*
S. Farnborough	1026.6	0	–	0	b	51	85	7	–	–	0	Ci	2	*
London (Kew Obsy.)	1026.0	0	SSW	1	b+	54	85	4	4000	Cu	1	Ci	2	*
Croydon	1026.5	+1	S	1	b	53	75	6	–	–	0	Ci.St	1	*
Clacton-on-Sea	1025.8	-1	SSE	2	b	60	92	8	–	–	0	a.St	3	0
Shoeburyness	1026.2	-1	–	0	b	52	85	6	–	–	0	–	0	*
Grain	1026.2	0	WSW	1	b+	54	75	8	–	–	0	Ci	2	0
Lympne	1027.2	0	S	2	b+	54	65	8	–	–	0	Ci.St	1	*
Scilly (St. Mary's)	1024.8	-1	SE'E	1	c+	60	92	7	2500	St	8	–	8	1
Falmouth	1025.5	0	SSE	1	o+	58	85	6	–	Cu	8	a.St	9	*
Plymouth	1026.2	+1	SE	1	c+	58	85	8	–	–	0	a.St	7	0
Portland Bill	1027.0	-1	–	0	b	63	85	8	–	–	0	–	0	0
Calshot	1026.6	0	–	0	b	55	85	8	–	–	0	Ci	1	0
Dungeness	1026.6	-2	–	0	b	57	85	8	–	–	0	–	0	2
Jersey	1026.0	0	E	3	b	61	65	8	–	–	0	–	0	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. 17th								Yesterday		To-day
Kew				*	*	31	–	–	6.0	*	*
Croydon (24 hours ended 0700)	ofmbmbz bfm3.13	bgbmw b33gbyia	bowfofw bbcbbmw	*	*	32	–	–	9.2	*	*
Greenwich (Royal Obsy.)	f.b	b	b.b.ow	68	37	27	–	*	6.8	54	81
City (Bunhill Row)	*	*	*	*	*	*	*	*	*	*	*
Westminster (St. James' Pk.)	*	*	*	65	40	33	–	–		63	92
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	3.2	*	100
Camden Sq. (Brit. Rainfall)	–	–	*	64	40	36	–	–	*	–	
Kensington Palace	of.b	b	*	67	41	32	–	–	*	79 (84)	96
Hampstead Observatory	*	*	*	64	45	34	–	trace		*	76

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.

24 Hr. ended 1800 G.M.T. 16th

South Kensington: Max.	Time.	Min.	Time.

Kew Observatory: Max.	Time.	Min.	Time.

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 16th 18 h 0 m. to 17th 5 h 30 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	11.30	11.28	100
δ Ursae Minoris	11.30	11.29	100

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

18th & 19th October 1921.

Stations	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.25 6.26	11.38 11.38	4.51 4.50
Greenwich	6.31 6.33	11.45 11.45	4.59 4.57
Wick	6.58 7.0	11.57 11.57	4.56 4.54
Valencia	7.13 7.15	12.26 12.26	5.38 5.36

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, or fine rain. f fog.
- h hail. KQ line squall. l lightning.
- m mist. o overcast sky.
- p passing showers. r rain.
- rs sleet, i.e., rain and snow together.
- s snow. 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
- 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

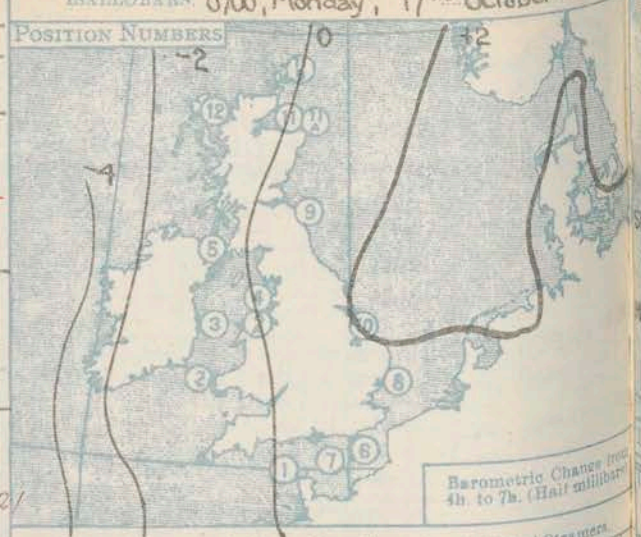
* Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 2.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 16th	13h.-18h. 16th	18h. 16th to 1h. 17th	1h.-7h. 17th	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	oo	T or d	bor bc	bor bc	58	43	"	1	-	1230	-	*
Stornoway	p	T or d	bor bc	c	59	36	"	4	0.1	—	-	0.9
Wick	oir₀q	oir₀	bor bc	c	58	36	"	2	-	1100	-	*
Castlebay	dpo	ocb	b	b dd	57	46	"	2	0.3	-	-	2.2
Nairn	p		c		63	41	"	2	-	12.30	-	1.8
Aberdeen	bc.cq	imopoq	omfc		62	49	47	trace	-	1530	-	1.0
Malin Head	op	op	ld₀	o.o	59	51	"	4	0.1	<0800	<2400	0.0
Renfrew	p	or₀Ro	o.o	c	61	54	52	6	~~trace~~	<0800	2.30	?
Inchkeith	c	p	form		61	52	51	2	1	1630	3.30	*
Eskdalemuir	oy.dm	orm	amofc	ofc	63	56	40	7	3	1530	<2400	0.0
Tynemouth	bor bc imq	oo imq	mp₀	oo m	63	56	"	-	trace	-	2400	*
Blacksod Point ...	T or d	T or d	p	o.o	61	56	"	4	1	<0800	<2400	*
Donaghdee	cq	cmp	cm	?cm	64	54	"	0.5	0.2	1430	-	*
Birr Castle	cdr	corh	coid₀		63	54	45	4	0.2	2400	-	0.2
Baldonnell	oo	oorr	bbccof	o.o	65	48	41	4	trace	1330	<2400	~~7~~ 21
Holyhead	oo	oo	oirom	omofc	62	58	57	-	1	-	<2400	0.6
Liverpool (Bidston) ...	b or bc	c	o.o		65	50	44	-	-	-	-	6.1
Manchester (Alex. Pk.)	b bc m o.b	c	om	om	64	54	47	-	-	-	-	*
Howden	b or bc	c	p	form	64	49	43	-	trace	-	2400	~~7.7~~ 6.8
Spurn Head	b or bc	b or bc	c	c	65	49	"	-	-	-	-	9.4
Nottingham	b or bc	b or bc	cf		62	44	41	-	-	-	-	4.3
Cranwell	b or bc m m	b bc im	c im m	bor bc im	62	47	39	-	-	-	-	8.3
Gorleston	b or bc	b or bc	bor bc	bc mw	64	48	44	-	-	-	-	9.0
Pulham	b or bc	b or bc	form	form	66	35	30	-	-	-	-	7.7
Felixstowe	b or bc	b or bc	f		64	43	39	-	-	-	-	8.4
Valencia (Cahirciveen)	oo	d.c.o.c	o	or r	63	57	53	1	10	<0800	1.30	0.3
Roches Point	T or d	oo	f		62	56	"	1	0.5	1100	-	*
Pembroke (St. Ann's H.)	oo	oo	oo m	o.o	60	58	"	-	-	-	-	0.3
Ross-on-Wye	m c b bc	bc b bc c	com bc	bc bm m b f	65	40	36	-	-	-	-	6.7
Benson	b or bc	b or bc	bor bc		66	37	33	-	-	-	-	*
S. Farnborough ...	b or bc	b or bc	f		68	33	28	-	-	-	-	6.8
London (Kew Obsy.) ...	f w b m d bz	o z b m w	bc m w	b f w o f w	64	38	31	-	-	-	-	6.0
Croydon	b f m z.12	b 12 z	b y 12	b f o c b b	68	39	32	-	trace	-	-	9.2
Clacton-on-Sea ...	b c m	b z. bc	bc b w	b u b c m	62	44	40	-	-	-	-	9.0
Shoeburyness	f or m	b or bc	b	f f a x	65	32	26	-	trace	-	-	6.9
Grain	f	b or bc	f		69	37	30	trace	trace	-	-	6.9
Lympne	b i m	by	b.bc	bc b w	63	44	26	-	-	-	-	9.8
Scilly (St. Mary's) ...	b m	c	b or bc	form, co	63	56	"	-	0.4	-	-	7.0
Falmouth	b.bz	cz.o z	cm		64	54	50	-	-	-	-	8.2
Plymouth	b or bc	b or bc	b or bc	form	65	46	44	-	trace	-	-	8.4
Portland Bill	b or bc	b or bc	b or bc	b or bc	66	55	"	-	-	-	-	*
Calshot	f or m	b or bc	c	f	68	43	39	trace	trace	0900	-	9.2
Dungeness	b or bc	b or bc	b or bc	b or bc	65	38	"	-	-	-	-	*
Jersey	b	b	c b w		66	44	"	-	-	-	-	9.8

ISALLOBARS 0700, Monday, 17th October 1921.



Temperature reported from Cross Channel and Coastal Steamers

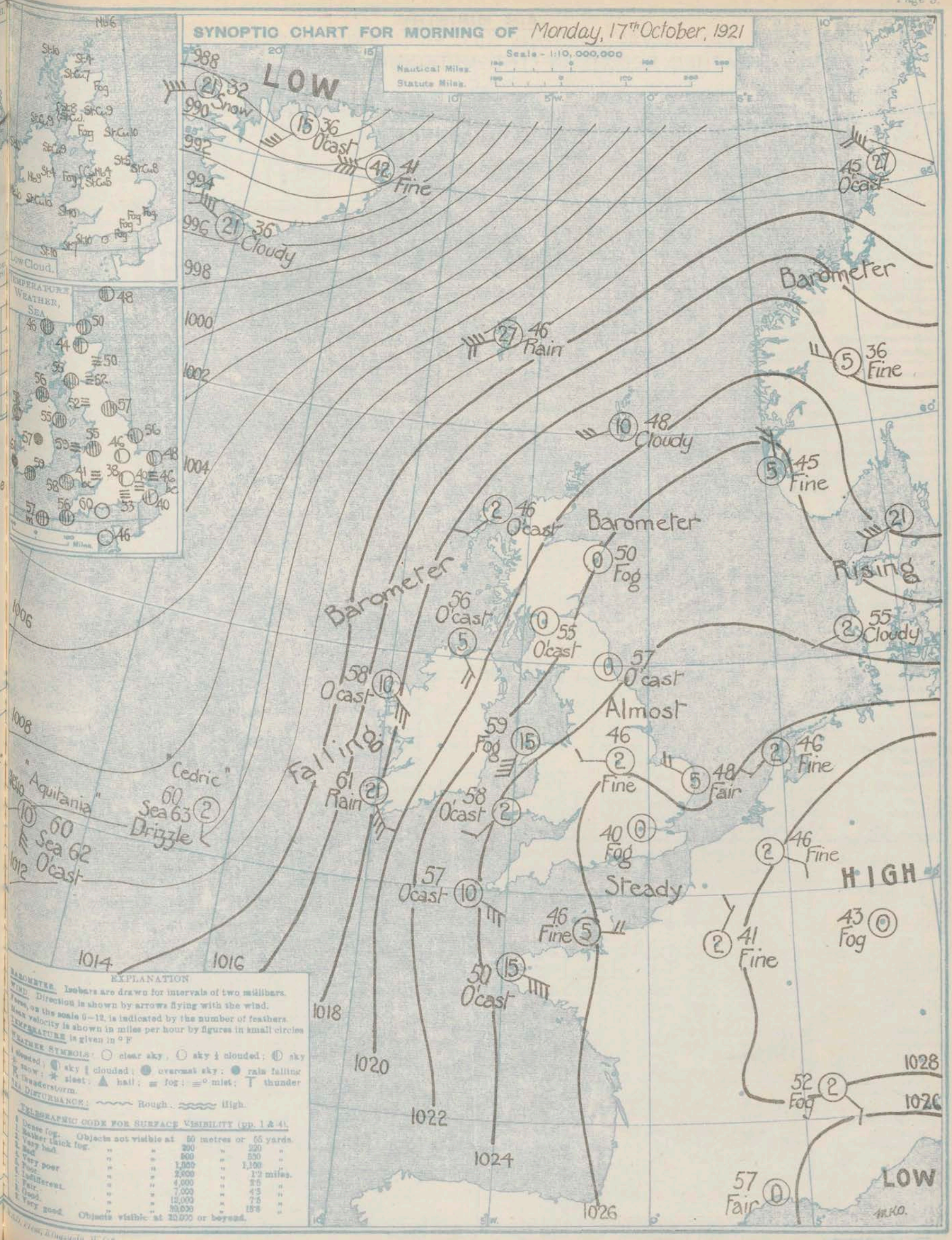
Position Number	7	3.	6.
Date	16	16	17th
Time G.M.T.	0210	1005	0255
Sea °F.	62	59	62
Air °F	59.5	61	59

GENERAL INFERENCE.

A depression approaching the West coast of Ireland will cause further rain in the West and North. It is probable however that the Southeast districts will remain under the influence of the anticyclone with fair quiet weather.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 17th October, 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light variable winds, fine but much mist or fog at night and early morning; day temperature moderate, cool at night with ground frost in places.	Continuing fair in the Southeast, unsettled in the West and North.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind Southerly light or moderate; cloudy perhaps local showers; some mist or fog; moderate temperature.	
9. N. Midlands 10. N.E. England 11. E. Scotland	Light Southerly wind; cloudy; mist or fog locally; moderate temperature.	
12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind Southerly light to moderate; cloudy or dull, some rain later; mist locally; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind Southerly moderate or fresh; dull, rain at times; local mist; moderate temperature.	

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


SYNOPTIC CHART FOR MORNING OF Monday, 17th October, 1921
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
LOW
Low Cloud.
TEMPERATURE WEATHER, SEA
988
990
992
994
996
998
1000
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
1028
21 32 Snow
15 36 O'cast
42 41 Fine
21 36 Cloudy
27 46 Rain
27 45 O'cast
5 36 Fine
10 48 Cloudy
5 45 Fine
2 46 O'cast
Barometer
0 50 Fog
Barometer
Rising
21
Barometer
56 O'cast
5
0 55 O'cast
2 55 Cloudy
0 57 O'cast
Almost
Steady
58 O'cast
10
Falling
61 Rain
21
"Cedric"
60 Sea 63
2
"Aquitania"
Drizzle
10
60 Sea 62 O'cast
59 Fog
15
58 O'cast
2
46 Fine
2
5 48 Fair
2 46 Fine
40 Fog
0
2 46 Fine
HIGH
57 O'cast
10
46 Fine
5
2 41 Fine
43 Fog
0
50 O'cast
15
52 Fog
2
57 Fair
0
LOW
EXPLANATION
BAROMETRE. 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 clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough. High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Rather thick fog. " " 200 " 220 "
2 Very bad. " " 500 " 550 "
3 Bad. " " 1,000 " 1,100 "
4 Very poor. " " 2,000 " 1·2 miles.
5 Poor. " " 4,000 " 2·5 "
6 Indifferent. " " 7,000 " 4·3 "
7 Fair. " " 12,000 " 7·5 "
8 Good. " " 20,000 " 12·5 "
9 Very good. Objects visible at 20,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Monday 17th October 1921. No. 290

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	1019.7	+4	W	2	b-	44	85	7	–	–	–	–	0	*
Stornoway	1022.1	+2	–	0	b-	*	*	8	*	*	*	*	*	*
Wick	1021.3	+2	W	1	b	38	92	9	–	–	–	Ci.St	2	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1020.5	-2	SSE	2	odo	52	97	7	1500	St.	10	–	10	*
Renfrew	1021.8	+1	–	0	0	55	97	8	4000	St.Cu	10	–	10	*
Inchkeith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1023.0	+2	–	0	ffo	50	97	1	450	St.	10	–	10	*
Tynemouth	1021.9	+1	W	1	o/r	60	85	7	4000	St.	10	–	10	*
Blacksod Point	1019.9	0	S	2	qpo	58	97	4	800	St.	10	–	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1023.5	0	–	0	0	51	97	8	4000	St.Cu	10	–	10	*
Holyhead	1023.5	+1	SW	4	0	*	*	5	450	St.	10	–	10	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1024.0	0	–	0	o/r	54	92	4	800	St.	10	–	10	*
Spurn Head	1023.9	0	WSW	3	c	56	75	8	4000	Cu	8	–	8	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1025.2	0	SW S	2	o-	51	92	6	5750	Cu	1	A.Cu	9	*
Gorleston	1025.4	-1	W	2	bc+	51	97	7	–	–	–	Ci	4	*
Pulham	1026.1	0	–	0	ffb	39	97	3	–	–	–	A.Cu	3	*
Felixstowe														*
Valencia (Cahirciveen)	1021.4	-3	S	2	o	59	92	7	–	–	–	A.St	10	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1026.0	0	SSW	1	mmo	60	97	7	450	St.	10	–	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	42	*	*	*	*	*	*	*	*
Croydon	1026.9	+1	S	1	b	44	97	7	–	–	–	Ci.St	2	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1026.7	0	NNE	2	bc+	46	92	8	–	–	–	Ci	5	*
Scilly (St. Mary's)	1025.0	0	SE	1	b	57	97	9	–	–	–	–	0	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1026.3	0	E	2	b-	48	92	8	–	–	–	Ci.St	2	*
Portland Bill	1027.0	0	SW	1	b	60	85	8	–	–	–	–	0	*
Calshot	1028.8	0	–	0	b-	50	97	8	–	–	–	A.Cu	2	*
Dungeness	1026.5	0	NNE	2	b+	44	97	5	–	–	–	Ci	3	*
Jersey 7h / Guernsey 1h	1026.4	+1	SSE	1	bc	52	97	8	–	–	–	A.St	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	1019.9	0	WSW	3	bc+	48	85	7	–	Nb	6	–	6	2
Stornoway	1018.5	-1	SW	1	o+	46	92	7	800	St.	10	–	10	0
Wick	1019.5	-1	SSW	3	c+	50	85	8	1600	St.	4	A.St	8	0
Castlebay	1018.1	-2	S	4	odd	55	97	3	1500	Nb	10	–	10	4
Nairn	1020.0	*	–	0	c°	44	97	8	4000	St.Cu	7	–	7	*
Aberdeen	1022.5	0	–	0	ffo	50	97	3	<150	St.	10	–	10	0
Malin Head	1018.7	-1	SSE	2	o-	56	97	8	4000	St.Cu	9	–	9	2
Renfrew	1021.8	0	–	0	o	55	97	6	1500	St.Cu	9	–	9	*
Inchkeith	1021.8	+1	–	0	mmo	52	97	5	–	St.Cu	9	–	9	0
Eskdalemuir	1023.4	0	–	0	mmo	52	97	4	<150	St.	10	–	10	*
Tynemouth	1022.9	+1	–	0	o	57	92	7	7250	St.Cu	10	–	10	0
Blacksod Point	1017.5	-4	SE	3	o-	58	92	7	450	St.	10	–	10	1
Donaghadee	1021.5	0	–	0	o	55	97	8	5750	St.Cu	9	–	9	0
Birr Castle	1020.0	*	SSE	2	odo	57	97	6	1500	Nb	9	–	9	*
Baldonnell	1022.1	-1	–	0	c-	53	97	8	1500	St.	4	A.St	8	*
Holyhead	1023.2	-1	SSW	4	ffo	59	97	2	<150	St	10	–	10	1
Liverpool (Bidston)	1024.0	0	SE	1	o-	55	92	7	2500	St.Cu	9	–	9	0
Manchester (Alex.Pk.)	1025.1	0	SE	1	o	55	92	4	2500	St.Cu	10	–	10	*
Howden	1024.9	+1	–	0	ffo	50	97	3	800	St	5	A.Cu	10	*
Spurn Head	1025.1	+2	SW	1	c-	56	75	5	4000	St.Cu	8	–	8	1
Nottingham	1025.8	*	W	1	b-	46	97	2	–	–	–	A.Cu	3	*
Cranwell	1025.7	0	W	3	bc	50	97	6	–	–	–	A.Cu	6	*
Gorleston	1025.5	0	WNW	2	bc	48	97	5	–	–	–	Ci	4	0
Pulham	1026.1	0	–	0	ffb	36	97	1	–	–	–	–	0	*
Felixstowe	~~1025.0~~		–	0	fb-	44	97	X1	–	–	–	Ci.St	3	0
Valencia (Cahirciveen)	1017.5	-3	SSE	5	orr	61	92	5	1500	Nb	10	–	10	*
Roches Point	1022.3	-1	SW	3	o	59	97	7	2500	St.Cu	10	–	10	3
Pembroke (St. Ann's H.)	1024.4	0	SW	1	o	58	97	7	800	St.	10	–	10	2
Ross-on-Wye	1026.0	0	–	0	bcf-	41	97	2	–	–	–	Ci	4	*
Benson	1026.1	0	–	0	b	38	97	5	–	–	–	Ci	3	*
S. Farnborough	1027.0	0	SE	1	fb-	33	97	2	–	–	–	–	0	*
London (Kew Obsy.)	1026.9	+1	–	0	ffo	40	97	0	<150	St.	10	–	10	*
Croydon	1026.7	+1	S	2	b	42	97	7	–	–	–	Ci	2	*
Clacton-on-Sea	1025.9	0	NW	3	bcf-	46	92	3	–	–	–	Ci	5	0
Shoeburyness	1026.6	0	–	0	ffo	36	85	0	<150	St.	10	–	10	*
Grain	1026.8	+1	WSW	1	ffo	40	97	0	<150	St.	10	–	10	0
Lympne	1027.0	+2	NE	1	b	48	85	8	–	–	–	Ci.St	3	*
Scilly (St. Mary's)	1023.7	-2	SE'E	3	mmo	57	97	6	1500	St.	10	–	10	3
Falmouth	1024.8	-1	SSE	1	cmm	56	92	6	1500	St.	7	–	7	*
Plymouth	1025.9	0	NE	2	ifo	47	97	6	<150	St.	10	–	10	*
Portland Bill	1027.0	0	SSW	2	b	60	85	8	–	–	–	–	0	0
Calshot	1026.5	0	–	0	ffo	45	97	0	<150	St	10	–	10	0
Dungeness	1026.6	0	N	2	mbc+	40	97	4	–	–	–	Ci.Cu	4	2
Jersey 7h / Guernsey 1h	1025.6	0	E	2	b	46	97	8	–	–	–	Ci	1	0

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 15.-16. mm.	Rainfall.† Day 9h.-17h. 16. mm.	Sunshine. Sunrise to 17h. 16. hr.	Sunshine. Sunrise to Sunset. 15. hr.
Banff	o.c	od.	65	48	–	–	0.2	2.8
Montrose	c.	c.o	62	48	–	–	0.9	7.8
Llandudno	c	c	65	44	–	–	4.5	9.3
Colwyn Bay	bc	bc.c.	63	47	–	–	6.8	9.6
Rhyl	bc	bc.c	65	46	–	–	6.4	9.2
Southport	c.bc	bc.c.o	64	43	–	–	3.8	7.4
Blackpool	o.c.	o	63	44	–	–	2.1	6.9
Harrogate	c.bc.	bc.c	63	42	–	–	4.0	7.0
Skegness	b	b	63	40	–	–	8.8	8.4
Aberystwyth								
Bath	m.b	b	67	39	–	–	5.8	9.0
Leamington Spa	o.	bc	65	36	–	–	5.5	8.8
Lowestoft	bc	bcb	64	48	–	–	9.0	8.5
Felixstowe	bm	b2	63	47	0.2	–	8.9	8.0
Southend	wfb.	b.	67	47	–	–	6.5	7.2
Paignton	wbcmb	b.bc	64	40	–	–	7.5	8.5
Ilfracombe	b.	b.bc.c.o	66	51	–	–	8.0	9.2
Bude								
Penzance	bc	bc	66	54	–	–	6.5	8.1
Torquay	b	b	68	45	–	–	8.1	8.7
Weymouth	b	b	68	44	–	–	9.2	9.1
Bournemouth	b	b	66	39	–	–	9.3	9.5
Portsmouth (S'thsea)	b	b	66	46	–	–	9.7	9.0
Worthing	b	b	67	45	–	–	9.5	9.3
Brighton	b	b	65	44	–	–	9.2	9.2
Eastbourne	b	b	66	43	–	–	9.7	9.3
Hastings								9.3
Folkestone	b.	bc	65	47	–	–	9.2	8.5
Tunbridge Wells	b	b	68	38	–	–	9.2	8.4
Ramsgate	b	b	64	48	–	–	9.8	7.8
Margate	b	b	68	51	–	–	9.2	8.7
Deal	b	b	66	41	–	–	9.5	

* 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. B21880 TUESDAY 18th OCTOBER 1921.

Observations at 1300 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	1016·8	-6	SW	6	o-	51	85	7	-	StCu	4	A.St	9	*
Stornoway	1015·7	-2	SW	3	opr₀	57	92	7	450	St	10	-	10	*
Wick	1017·3	-3	SSE	2	o	55	92	8	4000	StCu	4	CiSt	9	*
Castlebay	1016·6	-2	WSW	4	o/r	56	97	6	2500	St.	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1020·6	-2	SSW	2	bc/t	58	92	7	1500	St	4	-	4	*
Malin Head	1015·8	-5	SSW	3	or	58	97	8	1500	Nb	10	-	10	*
Renfrew	1020·7	-2	S	2	or₀+	60	92	6	2500	StCu	10	-	10	*
Inchkeith	1021·3	-1	SW	1	o/t	60	85	8	-	StCu	6	A.St.	10	*
Eskdalemuir	1022·4	-2	SSW	4	or₀	57	97	3	4150	Nb	10	-	10	*
Tynemouth	1023·4	-1	SW	1	o-	64	85	7	4000	Cu	10	-	10	*
Blacksod Point	1013·6	-5	SW	5	or₀r₀	61	97	6	450	St	10	-	10	*
Donaghadee	1020·2	-3	S	3	or	60	97	7	-	St	10	-	10	*
Birr Castle	1018·8	*	SE	2	cr	61	92	6	2500	Nb	8	-	8	*
Baldonnell	1020·4	-2	S'E	2	o	62	75	7	2500	Cu	7	A.St	10	*
Holyhead	1022·8	-1	SSW	4	o	62	85	8	-	-	-	A.Cu	9	*
Liverpool (Bidston)	1022·9	-3	SE'S	2	b	64	75	7	4000	St.	2	Ci	3	*
Manchester (Alex.Pk.)	1023·8	-2	S	3	b-	67	65	7	-	-	-	CiCu	1	*
Howden	1024·2	-2	SSE	2	bc-	68	65	5	-	-	-	Ci	4	*
Spurn Head	1023·4	-1	SSE	3	bc+	66	97	5	2500	St	2	CiCu	6	*
Nottingham	1024·7	0	S	2	b	67	65	6	-	-	-	ACu	3	*
Cranwell	1024·8	-2	SSE	3	bc	68	85	8	-	-	-	A.Cu	6	*
Gorleston	1025·8	0	S	3	b	62	85	7	-	-	-	Ci	1	*
Fulham	1025·8	0	S'E	2	b	68	55	8	-	-	-	CiSt	1	*
Felixstowe	1026·9	-1	S'E	2	b	63	75	7	-	-	-	-	0	*
Valencia (Cahirciveen)	1016·7	-2	S	5	od	62	92	6	450	St	10	-	10	*
Roches Point	1021·2	-2	SSW	4	or₀r₀	61	92	6	2500	Nb	10	-	10	*
Pembroke (St.Ann's H.)	1024·2	-1	S	3	bc	60	85	7	-	-	-	CiSt	4	*
Ross-on-Wye	1024·2	-2	SW	3	b	68	65	8	-	-	-	Ci	3	*
Benson	1025·2	-2	SSE	2	bc	64	55	6	-	-	-	Ci	4	*
S. Farnborough	1025·8	-1	SSE	3	b+	62	75	6	-	-	-	Ci	3	*
London (Kew Obsy.)	1025·6	-3	SSE	2	bc/f	64	55	7	-	-	-	Ci	4	*
Croydon	1025·9	-2	SSW	2	bc+	66	55	8	-	-	-	CiSt	5	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1026·7	0	S	1	b/t	64	55	6	-	-	-	CiCu	1	*
Grain	1026·4	-1	ENE	1	b	63	65	7	-	-	-	Ci	2	*
Lympne	1026·2	-1	S	2	b	64	65	7	1500	Cu	1	CiSt	3	*
Scilly (St. Mary's)	1023·4	0	SE	3	bc/t	62	86	8	-	-	-	ACu	5	*
Falmouth	1023·8	-2	SSE	3	ttb	63	85	6	2500	Cu	2	-	2	*
Plymouth	1024·4	-1	SSE	3	b	64	75	8	2500	StCu	1	ACu	3	*
Portland Bill	1027·0	0	SE	4	b+	64	85	8	-	-	-	CiCu	2	*
Calshot	1025·7	-1	ESE	3	b/t	64	75	8	-	-	-	Ci	1	*
Dungeness	1026·7	0	-	0	b	64	75	7	-	-	-	-	0	*
Jersey	1025·1	0	E	2	b	68	65	8	-	-	-	-	0	*

Observations at 1800 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	1014·9	-2	SW	4	o/r	52	97	7	7250	Nb	10	-	10	3
Stornoway	1012·6	-4	SW	2	opr₀	56	92	7	450	St	10	-	10	1
Wick	1015·2	-2	S	1	or₀r₀	54	92	8	800	St	10	-	10	0
Castlebay	1011·8	-4	S	4	orr	56	97	3	800	Nb	10	-	10	4
Nairn	1014·7	*	-	0	or+	56	97	8	1500	St	10	-	10	*
Aberdeen	1019·1	-2	S	2	o/r	56	97	6	800	Nb	10	-	10	0
Malin Head	1012·7	-2	SSW	3	or	58	97	8	1500	Nb	10	-	10	2
Renfrew	1018·1	-1	S	5	orr	58	92	5	800	Nb	10	-	10	*
Inchkeith	1018·7	-3	S	4	od₀	60	85	8	-	Nb	10	-	10	3
Eskdalemuir	1020·8	-1	S'W	3	or₀	56	92	6	225	StCu	9	-	9	*
Tynemouth	1021·5	-2	S	2	o	58	92	5	2500	St	7	A.St.	10	1
Blacksod Point	1011·9	-2	SW	6	oD-	60	97	6	450	St.	10	-	10	6
Donaghadee	1018·2	-1	WSW	3	o-	?	97	8	-	-	-	A.St	10	4
Birr Castle	1017·3	*	S	3	pr₀r₀	60	92	6	1500	Nb	10	-	10	*
Baldonnell	1019·0	-1	S'W	5	opr₀	59	85	6	2500	StCu	10	-	10	*
Holyhead	1021·3	-1	S	4	o	60	85	8	4000	StCu	6	A.St	10	1
Liverpool (Bidston)	1022·0	0	SE	4	bc	61	75	7	1500	StCu	3	CiCu	5	3
Manchester (Alex.Pk.)	1021·8	-1	W	2	bc+	57	85	4	-	-	-	A.Cu	6	*
Howden	1023·1	-2	S	2	c+	58	85	5	~~7250~~ 2500	St	3	CiSt	7	*
Spurn Head	1023·4	0	SSE	3	bc	58	92	6	2500	St	3	ACu	5	1
Nottingham	1023·9	*	S	1	b	57	92	4	-	-	-	Ci	3	*
Cranwell	1024·2	0	S	2	c	54	85	6	2500	St	1	Ci	7	*
Gorleston	1024·9	-1	SW	2	b+	56	75	7	-	-	-	CiCu	2	0
Fulham	1025·8	0	-	0	b	48	92	6	-	-	-	Ci	2	*
Felixstowe	1026·7	0	SE	2	c+	59	92	8	-	-	-	Ci	7	0
Valencia (Cahirciveen)	1016·3	-1	S	5	o	62	92	7	800	St	10	-	10	4
Roches Point	1019·8	-1	SW	3	pr₀r₀	60	97	7	1500	Nb	10	-	10	3
Pembroke (St.Ann's H.)	1022·5	-1	SSE	3	bc	60	92	8	-	-	-	CiSt	4	3
Ross-on-Wye	1023·7	-1	SSW	1	b-	57	75	7	-	-	-	CiCu	2	*
Benson	1024·5	-1	SSE	1	b	53	75	7	-	-	-	Ci	3	*
S. Farnborough	1026·2	0	-	0	b	56	85	6	-	-	-	A.St	3	*
London (Kew Obsy.)	1024·9	0	-	0	b	55	85	3	-	-	-	Ci	3	*
Croydon	1024·9	0	S	1	bc-	55	75	6	-	-	-	Ci	6	*
Clacton-on-Sea	1025·2	-1	SE	3	bc	60	85	7	-	-	-	Ci	5	0
Shoeburyness	1025·2	-1	-	0	bcF	54	92	1	-	-	-	CiSt	4	*
Grain	1025·1	0	SSE	2	bc	57	75	6	-	-	-	Ci	6	0
Lympne	1026·0	+1	S	1	bc	56	85	7	-	-	-	CiSt	5	*
Scilly (St. Mary's)	1021·0	-2	SE	3	bc	58	97	8	1500	Cu	2	CiCu	4	2
Falmouth	1022·9	-2	SSE	2	b-	57	97	7	-	StCu	1	ASt	2	
Plymouth	1023·6	0	E	1	bc+	57	85	8	-	-	-	CiSt	5	*
Portland Bill	1024·8	-2	SSE	4	b	62	85	8	-	-	-	CiCu	2	2
Calshot	1024·8	0	SE	1	b	59	97	8	-	-	-	Ci	3	0
Dungeness	1025·5	-1	SE	1	b	60	85	7	-	-	-	CiCu	2	2
Jersey	1023·2	-1	SE	2	b	63	75	8	-	-	-	-	-	0

LONDON OBSERVATIONS.	WEATHER. Morning.	WEATHER. After-noon.	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. 8h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 18th								YESTERDAY.		TO-DAY.
Kew } 24 hours ended 0700	bfwbfwbz	bzybm	bfwbFw	*	*	34	-	-	6·5	*	*
Croydon } 24 hours ended 0700	wmzbcy	bcyz	bczbm	*	*	41	m	-	*	*	*
Greenwich (Royal Obsy.)	b	b	bwm	70	45	33	-	-	9·0	47	74
City (Bunhill Row)	*	*	*	*	*	*	*	*	3·8	*	*
Westminster (St. James' Pk.)	bc	bc	bff	69	45	38	-	-	6·6	40	97
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	5·3	*	*
Camden Sq. (Brit. Rainfall)	bmw	b	*	65	43	39	-	-	*	54	100
Kensington Palace	b	bzf	*	69	45	38	-	-	*	42(18h)	97
Hampstead Observatory	*	*	*			*			7·5	*	

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.

24 HR. ended 1800 G.M.T. 17th

South Kensington

Max.	Time.	Min.	Time.
1·5 4·0	22hr 16th 9hr 17th	0·5	14th 17th

Kew Observatory

Max.	Time.	Min.	Time.
1·6	23hr 16th	0·2	13-15hr 17th

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate

.... Milliwatts.

Maximum Rate

.... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 17th 18 h. 0 m. to 18th 5 h. 30 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	11·30	11·28	100
δ Ursae Minoris	11·30	10·26	100

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

18th & 19th October 1921.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·25 6·26	11·38 11·38	4·51 4·50
Greenwich	6·30 6·31	11·45 11·45	5·0 4·59
Wick	6·56 6·58	11·57 11·57	4·58 4·56
Valencia	7·12 7·13	12·26 12·26	5·40 5·38

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, *i.e.*, rain and snow together.
s snow. 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 ₀ 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

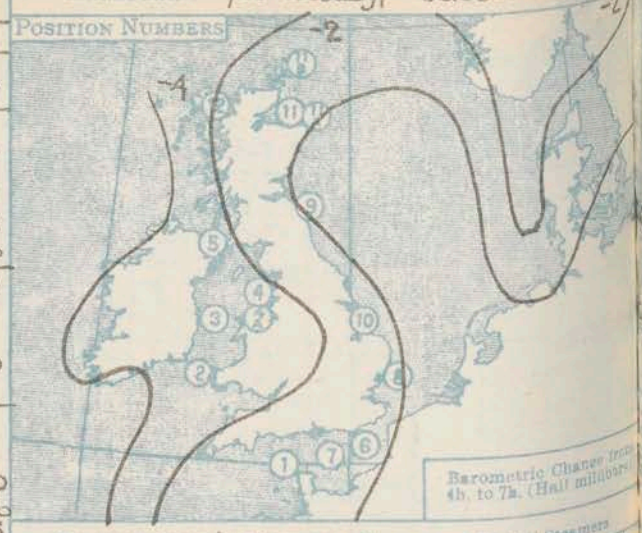
* Information for these columns not usually received. † The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 17th.	13h.-18h. 17th.	18h.-1h. 17th. to 1h. 18th.	1h.-7h. 18th.	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL. Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. Hours.
Lerwick	c	rord	F	rord	52	52	•	1	5	13·30	<2100	•
Stornoway	p	p	p	p	58	55	•	1	10	-	-	0·0
Wick	c	or₀r₀	or₀r₀	oir₀	56	53	•	0·6	6	16·30	<2100	•
Castlebay	ddo	ORR	Rrsrs	rsrsop	57	56	•	6	8	13·30		0·0
Nairn		p	p		61	43	•	2	1	15·30	2200	3·2
Aberdeen	fccim	coirm	oirm		58	56	54	4	4	15·30	<2100	0·6
Malin Head	ir	ir	ir	rord	60	56	•	4	0·5	11·00	<2100	0·2
Renfrew	omm	orolmir	or₀rrr₀	omr₀r₀m	63	57	55	4	6	12·30	<2100	?
Inchkeith	form	rord	oo		60	57	55	0·3	-	14·30	-	•
Eskdalemuir	ofomeir₀	ormeoir₀m	oir₀m	ormo	58	56	52	1	0·4	11·00	<2100	0·0
Tynemouth	oolm	oolm	m	m	64	53	•	-	-	-	-	•
Blacksod Point ...	rord	RRO	rord	p	61	59	•	12	7	<0800	<2100	•
Donaghadee	cmr	oir	omir	omir	60	57	•	3	2	09·00	<2100	•
Birr Castle	cpr	rorrr₀	c r₀ r₀		61	57	55	3	0·3	<08·00	<2100	0·0
Baldonnell	oo	oopr	oo	oo	65	58	54	trace	0·3	09·00	<2100	0·6
Holyhead	fooo	oo	c	cbc	62	56	52	-	-	-	-	1·5
Liverpool (Bidston) ...	bobc	bobc	bobc		66	50	40	-	-	-	-	5·3
Manchester (Alex. Pk.)	omzbm	bbczm	cmbefbeffm		69	47	38	-	-	-	-	•
Howden	c	oo	c	bobc	69	41	34	-	-	-	-	5·0
Spurn Head	c	c	bobc	c	68	50	•	-	-	-	-	7·0
Nottingham	bobc	bbc	F		68	44	38	-	-	-	-	6·8
Cranwell	bobc	c	mw	lm	68	39	34	-	-	-	-	8·1
Gorleston	bobc	bbc	bc.bw	bwm	62	53	51	-	-	-	-	9·0
Pulham	bobc	bobc	form	form	68	38	30	-	-	-	-	7·5
Felixstowe	form	cz	bobcw₀		64	46	41	-	0·2	-	-	7·1
Valencia (Cahirciveen)	oirm	oirm	rord	iro	63	61	58	17	3	<08·00	<2100	0·0
Roches Point	rord	rord	oo		62	59	•	4	2	<08·00	<2100	•
Pembroke (St. Ann's H.)	c	bobc	bobc	bobeim	61	57	•	-	-	-	-	3·7
Ross-on-Wye	cmbzbc	bbcb	bpbcmwbmwlf		68	41	37	-	-	-	-	7·6
Benson	bobc	bobc	bobc		66	41	35	-	-	-	-	•
S. Farnborough ...	form	bobc	form		62	46	36	-	-	-	-	9·0
London (Kew Obsy.) ...	ofobfobz	bzybcm	bfwbfwbFw		66	41	34	-	-	-	-	6·5
Croydon	omizbb	bccyiz	bcizbim	bim	68	52	41	trace	-	-	-	9·4
Clacton-on-Sea ...	bc	bcmz	bcwz	bcwbz	64	56	47	-	-	-	-	7·6
Shoeburyness	form	form	F		65	43	37	trace	-	-	-	7·0
Grain	form	c	form		63	45	37	-	-	-	-	7·4
Lympne	bobc	bbcim	bcb	bwim	64	50	36	-	0·1	-	<2100	10·0
Scilly (St. Mary's) ...	form	bobc	bobc	bobc	62	56	•	-	-	-	-	6·1
Falmouth	cm	bmbcz	bb	cm	66	56	50	-	-	-	-	7·6
Plymouth	bobc	bobc	bobc	bobo	65	55	?	-	-	-	-	7·6
Portland Bill	bobc	bobc	bobc	bobc	65	59	•	-	-	-	-	•
Calshot	F	bobc	bobc	form	64	56	54	-	-	-	-	7·2
Dungeness	bobc	bobc	bw	bobc	64	58	•	-	-	-	-	•
Jersey	b	b	bw	b	71	59	•	-	-	-	-	9·3

ISALLOBARS 0700 Tuesday, October 18th.



Temperature reported from Cross Channel and Coastal Steamers

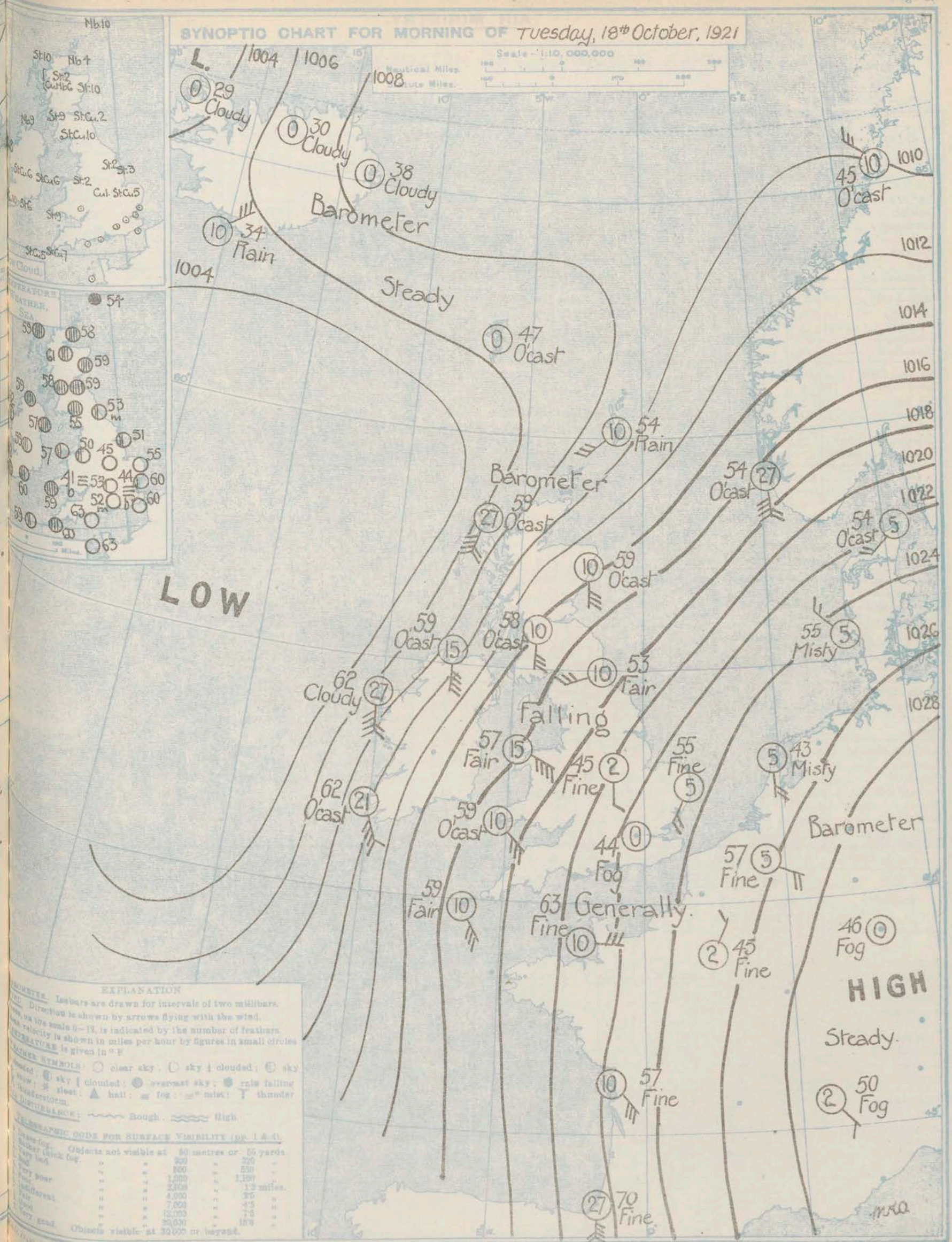
Position Number	3	6	7
Date	17th	18th	18th
Time G.M.T.	1000	0400	0214
Sea ° F.	59	62	63
Air ° F	60	62	64

GENERAL INFERENCE.

A large low pressure system over the Atlantic continues to spread Eastward over the British Isles and the anticyclone is moving Eastward to the Continent. Unsettled weather will be maintained in Ireland and Scotland and conditions are becoming less favourable to the persistence of fine weather over England.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Tuesday, 18th October, 1921.	Farther Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind South-East to South, light or moderate; fair or fine; some mist night and early morning, day visibility fair to good; moderate temperature.	Continuing unsettled in West and North; some probability of unsettled conditions becoming general.
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 South-East to South, moderate to fresh; fair early probably some rain or showers later; visibility fair but some local mist; mild.	
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 mainly Southerly moderate to strong; dull, some rain; visibility fair but local mist; mild.	

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


SYNOPTIC CHART FOR MORNING OF Tuesday, 18th October, 1921
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
L.
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
1028
0 29 Cloudy
0 30 Cloudy
0 38 Cloudy
10 34 Rain
Barometer
Steady
0 47 O'cast
10 54 Rain
Barometer
27 59 O'cast
10 59 O'cast
10 58 O'cast
10 53 Fair
Falling
15 59 O'cast
27 62 Cloudy
15 57 Fair
2 45 Fine
21 62 O'cast
10 59 O'cast
10 59 Fair
0 44 Fog
Generally.
10 63 Fine
10 57 Fine
27 70 Fine
10 45 O'cast
27 54 O'cast
5 54 O'cast
5 55 Misty
5 43 Misty
Barometer
5 57 Fine
2 45 Fine
0 46 Fog
HIGH
Steady.
2 50 Fog
LOW
Nb10
St10 Nb4
St2 Cu Hb6 St10
Nb9 St9 St Cu 2
St Cu 10
St2 St3
St Cu 6 St Cu 6 St2
Cu1 St Cu 5
St6
St9
St Cu 5 St Cu 7
Cloud
54
53 58
61 59
59 58 59
53 m
57 55
51
50 45
55
57
41 53 44 60
60 59 52 m 60
63
63
Steamers.
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers.
Wind velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in °F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunderstorm.
SEA DISTURBANCE: Rough. High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
Dense fog. Objects not visible at 50 metres or 55 yards
Rather thick fog. " " 200 " 220 "
Very thick fog. " " 500 " 550 "
Fog. " " 1,000 " 1,100 "
Very poor " " 2,000 " 1½ miles.
Indifferent " " 4,000 " 2½ "
Fair " " 7,000 " 4½ "
Good " " 12,000 " 7½ "
Very good " " 30,000 " 18½ "
Objects visible at 30,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Tuesday 18th October 1921. No. 291

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	1012.3	-3	SSW	3	d/r	52	97	2	-	Nb	10	-	10	*
Stornoway	1011.4	-3	SW	4	PR	*	*	5	*	*	*	*	*	*
Wick	1010.5	-2	SSW	3	or.	55	97	8	800	St	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1011.2	-1	S	3	0	60	97	8	2500	StCu	10	-	10	*
Renfrew	1016.0	-2	S	4	or₀	58	92	6	800	Nb	10	-	10	*
Inchkeith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1019.1	-2	S'W	4	or₀	55	92	5	225	Nb	10	-	10	*
Tynemouth	1019.6	-1	SW	2	mbc	57	92	5	-	-	0	CiCu	4	*
Blacksod Point ...	1011.3	-1	SSW	6	or₀	62	92	6	450	St	10	-	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1017.4	-2	S	1	0	61	75	8	4000	StCu	10	2	10	*
Holyhead	1019.0	-2	S'W	5	C	*	*	8	4000	StCu	3	CiCu	8	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1022.1	-2	S	1	bc	46	97	4	-	-	0	CiSt	6	*
Spurn Head	1022.9	-1	SSW	3	b	51	75	6	1500	St	1	-	1	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1023.5	-2	SW	1	b.	45	97	6	-	-	0	Ci	1	*
Gorleston	1024.7	-1	SW	3	b-	55	92	7	-	-	0	CiCu	1	*
Pulham	1024.4	0	-	0	ffb	41	97	1	-	-	0	-	0	*
Felixstowe	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Valencia (Cahirciveen)	1013.7	-4	SE	6	c/r	61	92	7	-	StCu	8	-	8	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1019.7	-2	SSE	3	b	58	92	8	-	-	0	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1023.9	-3	S	3	b	51	85	8	-	-	0	-	0	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1024.8	-1	S	3	b-	55	92	7	-	-	0	-	0	*
Scilly (St. Mary's) ...	1019.9	-1	SE	2	b	57	97	8	-	-	0	CiCu	1	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1020.8	-3	E	2	b	57	85	8	-	-	0	CiSt	1	*
Portland Bill	1024.8	0	SE	3	b	59	85	8	-	-	0	-	0	*
Calshot	1022.9	-1	ESE	3	b	58	97	8	-	-	0	-	0	*
Dungeness	1024.7	-1	SW	2	b-	61	85	8	-	-	0	-	0	*
Jersey 7h / Guernsey 1h	1021.9	-2	SE	3	b	61	85	8	-	-	0	-	0	*

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	1009.9	-2	SW	3	or+	54	97	5	4000	Nb	10	-	10	2
Stornoway	1006.3	-1	SSW	6	0	59	92	5	450	St	10	-	10	4
Wick	1008.1	-2	SW	3	d/r	58	92	9	4000	Nb	4	aSt	9	3
Castlebay	1009.1	-1	S	5	obr₀	58	92	7	4000	St	10	-	10	5
Nairn	1010.2	*	-	0	c/r	61	85	8	1500	CuNb	8	-	8	*
Aberdeen	1013.7	0	S	3	d/r	59	92	7	1500	St	10	-	10	0
Malin Head	1008.1	-4	S	4	0	59	92	8	1500	Nb	9	-	9	2
Renfrew	1014.5	-1	S	3	d/r	58	85	7	2500	St	9	-	9	*
Inchkeith	1014.4	0	WSW	4	0	59	85	8	-	StCu	2	aSt	10	3
Eskdalemuir	1017.0	-2	SW	4	0.	55	85	8	1500	StCu	10	-	10	*
Tynemouth	1017.4	-2	WSW	3	mbc	53	92	5	-	-	0	aCu	5	1
Blacksod Point ...	1006.5	-4	S	6	C+	62	75	7	4000	Cu	8	-	8	6
Donaghadee	1015.0	-2	W	3	0-	57	92	8	5750	StCu	6	aCu	9	4
Birr Castle	1012.2	*	SE	2	C-	59	92	8	4000	StCu	6	aCu	8	*
Baldonnell	1014.5	-3	SW	2	C-	59	75	8	2500	StCu	6	aSt	8	3
Holyhead	1015.6	-3	ESE	4	bc	57	85	9	-	-	0	aCu	4	1
Liverpool (Bidston) ...	1017.7	-2	SE	3	bc	50	85	6	4000	St	2	CiCu	4	*
Manchester (Alex.Pk.)	1019.2	-2	ENE	1	b	49	92	4	-	-	0	Ci	3	
Howden	1020.1	-2	S	3	bc	44	97	4	2500	St	2	CiSt	5	2
Spurn Head	1020.6	-1	SSW	3	bc	51	85	7	1500	St	3	Ci	4	*
Nottingham	1020.8	*	S	1	b-	45	97	3	4000	Cu	1	-	1	*
Cranwell	1021.6	-2	S'E	2	bc	42	97	6	4000	StCu	5	aCu	6	0
Gorleston	1022.7	-2	SW'S	2	b	55	97	5	-	-	0	CiCu	1	*
Pulham	1023.6	0	-	0	FFb	41	97	1	-	-	0	-	0	0
Felixstowe	1023.3	-1	S	2	b	55	97	8	-	-	0	-	0	*
Valencia (Cahirciveen)	1009.2	-3	SSE	5	0	62	85	8	1500	StCu	10	-	10	4
Roches Point	1014.5	-4	S	3	c/r	60	92	7	800	St	6	Ci	8	3
Pembroke (St. Ann's H.)	1016.7	-3	SE	3	mm0	59	97	7	2500	St	9	-	9	*
Ross-on-Wye	1019.9	-3	-	0	ffb	41	97	3	-	-	0	-	0	*
Benson...	1020.8	-1	SE	3	b	53	92	5	-	Cu	3	-	3	*
S. Farnborough ...	1021.9	-1	SE	3	mmb	52	97	5	-	-	0	-	0	0
London (Kew Obsy.)...	1022.1	-2	-	0	ffb	44	97	0	450	St	10	-	1	*
Croydon	1022.5	-1	S	3	b	54	92	7	-	-	0	CiSt	0	0
Clacton-on-Sea ...	1022.8	-1	SE	2	b	60	85	7	-	-	0	aSt	2	*
Shoeburyness	1022.7	-2	SW	1	fb-	50	85	3	-	-	0	-	0	0
Grain	1022.7	-1	SE	1	mb-	55	97	4	-	-	0	-	1	*
Lympne	1023.6	-1	SE'S	3	b	56	95	7	-	-	0	CiSt	5	4
Scilly (St. Mary's) ...	1016.5	-1	SSE	3	bc	59	97	8	4000	StCu	5	-	7	*
Falmouth	1017.5	-1	S	2	mmc	60	92	6	2500	StCu	7	-	1	*
Plymouth	1018.5	-1	ESE	2	b+	56	97	7	-	-	0	CiSt	0	2
Portland Bill	1020.7	-4	SSE	4	b	63	85	8	-	-	0	-	0	0
Calshot	1021.1	-1	E'S	3	mmb	58	97	5	-	-	0	-	0	3
Dungeness	1023.2	-1	SE	2	b	60	92	7	-	-	0	-	0	0
Jersey 7h / Guernsey 1h	1020.3	0	E	3	b	63	85	8	*	-	0	-	0	

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR Monday 17th

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 16-17th mm.	Rainfall.† Day 9h.-17h. 17th mm.	Sunshine. Sunrise to 17h. 17th hr.	Sunshine. Sunrise to Sunset. 16th hr.
Banff	bbc	coY	63	47	1	0.6	3.8	0.2
Montrose	of	oY	58	47	1	1	0.2	0.9
Llandudno	ccb	cbc	69	57	-	-	3.5	4.6
Colwyn Bay ...	b	b	69	58	-	-	5.2	0.0
Rhyl...	bc	b	69	56	-	-	5.0	6.4
Southport	ocbc	bbcc	69	56	0.2	-	5.3	3.8
Blackpool	c	bc	68	56	0.3	-	3.7	2.1
Harrogate	bc	bcc	67	54	-	-	3.8	4.8
Skegness	wbm	b	65	47	-	-	7.8	8.8
Aberystwyth ...	c	c	69	56	-	-	6.5	1.3
Bath	mb	bbc	68	42	-	-	6.7	5.8
Leamington Spa ...	bc	bc2	68	40	-	-	8.0	5.5
Lowestoft	b	b	65	48	-	-	9.0	9.0
Felixstowe	bm	bcm	64	42	0.5	-	7.8	8.9
Southend	wb	b	68	44	-	-	8.0	6.5

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 16th-17th mm.	Rainfall.† Day 9h.-17h. 17th mm.	Sunshine. Sunrise to 17h. 17th hr.	Sunshine. Sunrise to Sunset. 16th hr.
Paignton	fb	b	65	43	-	-	5.9	7.6
Ilfracombe	b	bbcc	66	52	-	-	7.6	8.0
Bude	wbfb	bbcbc	65	46	-	-	7.2	8.3
Penzance	bbc	bbc	60	57	-	-	7.0	6.7
Torquay	b	b	66	49	-	-	7.1	0.0
Weymouth	b	b	67	43	-	-	9.3	9.2
Bournemouth ...	b	b	66	38	-	-	9.2	9.3
Portsmouth (S'thsea)	b	b	66	42	-	-	8.2	9.7
Worthing	b	b	65	42	-	-	9.6	9.5
Brighton	b	bc	65	42	-	-	9.2	9.2
Eastbourne ...	b	b	66	41	-	-	9.9	9.7
Hastings	wb	b	65	49	0.2	-	9.6	9.8
Folkestone	b	b	64	43	-	-	10.0	9.2
Tunbridge Wells ...	b	b	68	36	-	-	8.6	9.2
Ramsgate	b	bc	65	46	-	-	9.2	9.8
Margate	b	b	67	47	-	-	7.8	9.2
Deal	b	bc	64	39	-	-	9.5	9.6

* 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.2682I. Wednesday, 19th October 1921. Page 1.

Observations at 1300 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	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1008·6	-2	SSW	5	or₀+	55	97	6	7250	Nb	10	–	10	*
Stornoway	1004·2	-3	SW	7	o/r	59	85	6	1450	St	10	–	10	*
Wick	1007·1	-3	SSW	3	o/r	56	85	9	4000	Nb	7	A.St	10	*
Castlebay	1005·7	-1	SE	5	opr₀	57	92	6	4000	St	10	–	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1011·3	-3	SSW	3	c-	63	75	7	5750	StCu	7	–	7	*
Malin Head	1004·7	-6	SSW	4	c-	62	92	8	4000	Nb	8	–	8	*
Renfrew	1011·3	-5	S	3	c-	65	65	8	4000	StCu	4	A.St	8	*
Inchkeith	1012·7	-3	SE	1	o-	59	75	6	–	StCu	4	A.Cu	9	*
Eskdalemuir	1012·7	-4	SSW	4	bc-	64	65	8	4000	StCu	2	A.Cu	6	*
Tynemouth	1014·7	-3	SW	3	b-	63	75	6	–	–	–	A.Cu	3	*
Blacksod Point	1004·0	-4	S	6	opr₀	61	85	7	800	CuNb	9	–	9	*
Donaghadee	1012·2	-3	SW	3	o+	60	85	8	–	–	–	A.St.	10	*
Birr Castle	1009·0	*	SE	2	o+	63	92	6	2500	Nb	9		9	*
Baldonnell	1011·0	-3	SW'S	4	o	63	75	8	~~2000~~ 3500	~~CuNb~~ St	~~6~~ 5	~~A.St~~ A.St	~~10~~ 9	*
Holyhead	1013·3	-4	SSE	5	o	62	85	8	1500	StCu	9	A.Cu	10	*
Liverpool (Bidston)	1014·1	-3	SE'S	2	bc+	63	76	7	4000	Cu	4	–	4	*
Manchester (Alex. Pk.)	1015·4	-4	SSW	3	b	69	56	6	–	–	–	–	0	*
Howden	1016·4	-5	S'E	4	b	70	65	5	–	–	–	–	0	*
Spurn Head	1016·4	-4	SSW	4	b	70	85	7	–	–	–	–	0	*
Nottingham	1017·1	*	SSW	3	b-	71	65	8	–	–	–	–	0	*
Cranwell	1017·9	-4	S	5	b	72	56	7	–	–	–	–	0	*
Gorleston	1020·9	-2	S	4	b-	64	85	5	–	–	–	–	0	*
Pulham	1020·0	-3	SSE	4	b	72	65	8	–	–	–	–	0	*
Felixstowe	1021·1	-3	SE'S	3	b	67	75	8	–	–	–	–	0	*
Valencia (Cahirciveen)	1008·6	+1	WSW	4	c-	58	92	8	800	St	5	A.St	8	*
Roches Point	1011·0	-3	SSW	5	or	62	92	6	1500	Nb	10	–	10	*
Pembroke (St. Ann's H.)	1015·0	-1	SE	4	c	62	92	7	–	–	–	A.Cu	7	*
Ross-on-Wye	1016·2	-4	SW'S	3	b-	71	65	8	–	–	–	A.Cu	1	*
Benson	1017·8	-4	S	4	b	74	55	9	–	–	–	–	0	*
S. Farnborough	1017·6	-4	S'E	6	b+	75	55	8	–	–	–	A.Cu	1	*
London (Kew Obsy.)	1018·7	-5	S	3	b/f	73	55	8	–	–	–	–	0	*
Croydon	1019·4	-4	S	3	b	74	45	8	–	–	–	–	0	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1020·4	-3	SSE	4	b/f	74	66	7	–	–	–	–	0	*
Grain	1020·2	-5	SSE	4	b	72	55	8	–	–	–	–	0	*
Lympne	1020·8	-6	SE	3	b	66	65	8	–	–	–	–	0	*
Scilly (St. Mary's)	1014·9	-2	S	3	c	63	92	8	4000	StCu	8	–	8	*
Falmouth	1016·9	-1	SSE	3	o	63	92	8	1500	StCu	10	–	10	*
Plymouth	1017·6	-1	S	2	bc	63	92	7	2500	StCu	10	–	10	*
Portland Bill	1018·8	-2	SSW	4	bc+	63	85	8	1500	StCu	6	–	6	*
Calshot	1018·7	-3	SSE	3	b/f	69	75	8	–	–	–	–	0	*
Dungeness	1021·2	-2	SW	3	b	66	85	8	–	–	–	–	0	*
Jersey	1019·9	0	E	3	b	70	75	8	–	–	–	–	0	*

Observations at 1800 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	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1005·9	-2	SSW	5	o/r	53	97	6	–	Nb	10	–	10	4
Stornoway	1000·7	0	SW	7	opr₀	59	85	6	450	St	10	–	10	6
Wick	1003·6	-4	SSW	3	o	56	85	8	6750	StCu	6	A.St	9	3
Castlebay	1003·2	-2	S	5	opr₀	58	92	6	2500	Nb	10	–	10	5
Nairn	1004·2	*	–	0	bc-	61	65	8	4000	Cu	3	Ci	6	*
Aberdeen	1008·3	-3	S'E	2	bc	56	85	6	5750	StCu	4	-	4	0
Malin Head	1003·7	-2	SSW	4	o	60	97	8	1500	Nb	9	–	9	2
Renfrew	1008·6	-2	S	4	or₀	60	85	7	1500	St	10	–	10	*
Inchkeith	1009·2	-2	W'S	3	o+	60	75	8	–	Cu	3	A.St	9	2
Eskdalemuir	1011·2	-1	SSW	5	o	58	85	7	1500	StCu	10	–	10	*
Tynemouth	1012·0	-3	SSW	2	b	63	85	4	4000	St	3	–	3	
Blacksod Point	1007·1	+5	W	3	od₀	57	92	7	1500	St	10	–	10	1
Donaghadee	1009·8	-2	SW	3	o+	60	97	8	2500	St	10	–	10	4
Birr Castle	1010·0	*	W	2	c-	58	92	8	1500	Nb	8	–	8	*
Baldonnell	1009·6	-1	SSW	5	opr₀	62	85	7	450	StCu	9	A.St	10	*
Holyhead	1011·9	0	SSW	6	o	61	97	8	800	St	8	A.St	10	3
Liverpool (Bidston)	1013·2	+1	SE	3	c+	64	75	8	1500	St	8	–	8	3
Manchester (Alex. Pk.)	1013·9	0	SSW	2	bc+	62	85	4	–	–	–	A.St	6	*
Howden	1014·1	-1	S	3	b-	63	75	5	2500	St	1	A.Cu	3	*
Spurn Head	1015·0	-1	S	4	b	60	85	7	1500	St	1	–	1	2
Nottingham	1015·4	*	SW	1	b-	64	75	5	–	–	–	A.St	1	*
Cranwell	1016·1	0	SSE	3	b+	59	85	7	–	–	–	A.Cu	1	*
Gorleston	1019·1	-1	S'W	3	b	60	85	5	–	–	–	–	0	1
Pulham	1018·8	-1	SSE	2	b	60	85	5	–	–	–	–	0	–
Felixstowe	1019·2	-1	S'E	4	b	63	85	7	–	–	–	–	0	1
Valencia (Cahirciveen)	1011·9	+4	WSW	2	c	58	92	8	1500	St.	4	A.Cu	7	4
Roches Point	1012·8	+4	WSW	2	bc+	59	92	8	–	–	–	Ci	4	1
Pembroke (St. Ann's H.)	1014·7	0	S	5	mmo	61	97	6	800	St	10	–	10	4
Ross-on-Wye	1016·0	0	SW	3	o+	63	85	8	4000	CuNb	7	A.St	10	*
Benson	1017·5	-1	S	3	b	62	92	8	–	StCu	2	–	2	*
S. Farnborough	1018·6	+1	SSW	2	b	61	92	8	–	–	–	–	0	*
London (Kew Obsy.)	1018·6	+1	SSW	1	b	62	75	5	–	–	–	–	0	*
Croydon	1018·9	+1	S'E	4	b	63	75	7	–	–	–	A.Cu	1	*
Clacton-on-Sea	1017·9	-2	SSE	4	b	65	85	7	–	–	–	–	0	0
Shoeburyness	1018·9	-3	S	1	b	60	85	7	–	–	–	–	0	*
Grain	1018·8	-1	SSE	2	b+	63	75	6	–	–	–	A.St	1	0
Lympne	1019·6	0	S	3	b	64	75	8	–	–	–	A.St	1	*
Scilly (St. Mary's)	1015·9	+1	SW	2	c	61	97	8	4000	StCu	8	–	8	4
Falmouth	1016·8	0	S	3	od₀+	62	97	5	–	Nb	10	–	10	*
Plymouth	1017·1	0	SW	2	or	62	97	7	1500	Nb	10	–	10	*
Portland Bill	1018·8	0	–	0	bc-	62	85	8	1500	StCu	4	–	4	3
Calshot	1018·9	0	–	0	b-	62	97	8	–	–	–	A.Cu	1	0
Dungeness	1019·3	-2	SW	3	b	65	85	8	–	–	–	–	0	3
Jersey	1018·4	0	E	2	b	67	75	8	–	–	–	Ci	1	0

London Observations — 24 Hours ended 0900 G.M.T. 19th

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. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew (24 hours ended 0700)	bfwbzy	bvbm	bmbfof	*	*	45	-	0·6	8·0	*	*
Croydon (24 hours ended 0700)	bmizy	byIz	comd₀	*	*	51	-	tr	9·5	*	*
Greenwich (Royal Obsy.)	b	b	bcb	76	55	44	-	0·3	9·3	49	95
City (Bunhill Row)	*	*	*	*	*	*	*	*	3·0	*	*
Westminster (St. James' Pk.)	b	oe	od	76	52	47	-	0·2	3·7	55	94
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	6·2	*	*
Camden Sq. (Brit. Rainfall)	obm	b	*	75	49	49	0·4		*	52	97
Kensington Palace	b	b	or	76	55	47	-	0·4	*	77 (18h)	94
Hampstead Observatory	b	bc	bc	75	58	47	-	tr	3·2	*	95

Atmospheric Pollution. Lbs. of Solid impurity per million cubic yards.

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

South Kensington Max.	Time	Min.	Time
1·5	2000 17th	1·5	14·00 18th
4·0	0900 18th		

Kew Observatory Max.	Time	Min.	Time
2·4	0800 18th	0·2	13-14hr 18th

Solar Radiation. Vertical component per square centimetre.

During yesterday. South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 18th 18 h. 0 m. to 19th 5 h. 30 m.

Stars	Exposure h. m.	Record h. m.	%
Polaris	11·30	8 58	78
δ Ursae Minoris	11·30	8·35	75

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

19th & 20th October 1921

Stations	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	6·26	11·38	4·50
	6·28	11·38	4·46
Greenwich	6·31	11·45	4·59
	6·33	11·45	4·57
Wick	6·58	11·57	4·56
	7·0	11·57	4·54
Valencia	7·13	12·26	5·38
	7·15	12·26	5·36

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

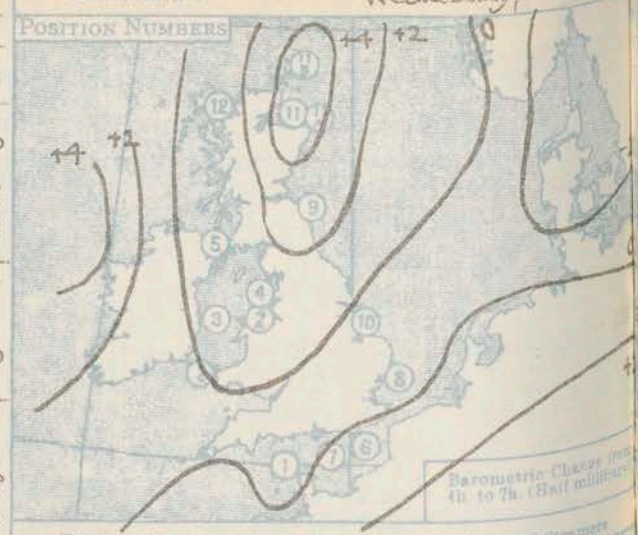
* Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 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	rord	rord	c	cp	58	48	•	9	trace	<0800	<2100	*
Stornoway	rord	p	rord	os	60	51	•	2	1	–	–	0·0
Wick	oirₒ	oo	bobc	bobc	59	50	•	1	–	0900	–	*
Castlebay	opm	opm	op	opo	58	52	•	0·5	0·2	<0800	–	0·0
Nairn		c	bobc		67	50	•	–	–	–	–	3·5
Aberdeen	c	bczm	cbcim		64	54	45	–	–	–	–	1·5
Malin Head	oo	cp	bobc	c	63	53	•	1	–	16·30	–	1·0
Renfrew	oo	oioirₒ	omrrd	oom	65	~~54~~ 51	~~50~~ 51	0·6	0·9	09·00	–	*
Inchkeith	oo	oo	c		63	54	52	2	trace	16·30	6·30	*
Eskdalemuir	c	oo		oo	64	52	52	–	2	–	2200	5·0
Tynemouth	boibcm	bbcm	imq	bbcm	65	54	•	–	•	–	–	*
Blacksod Point ...	p	rord	bobc	rord	63	?	•	2	2	09·00	4·30	*
Donaghadee	omqp	omq	bc	bc	61	53	•	1	–	<0800	–	*
Birr Castle	oc	cPRc	co	corr	64	53	46	2	3	1630	–	0·6
Baldonnell	oo	oo	bobc	bopmiz	65	51	43	trace	1	1530	3·30	1·0
Holyhead	bco	oco	oo	oo	63	56	53	–	–	–	–	1·8
Liverpool (Bidston) ...	bobc	bobc	c		66	50	47	–	–	–	–	6·3
Manchester (Alex.Pk.)	bmz	bzizbcz	oo		70	54	51	–	1	–	<2100	*
Howden	bobc	bobc	c	oo	72	56	50	–	0·3	–	5·30	~~6·4~~ 8·2
Spurn Head	bobc	bobc	bobc	p	70	58	•	–	0·2	–	2·30	8·5
Nottingham	bobc	bobc	p		73	60	53	–	0·2	–	2400	8·6
Cranwell	bobclm	bobc	p	imp	72	56	51	–	1	–	2400	8·7
Gorleston	bobc	bobc	bobc	bbcwc	66	55	52	–	–	–	–	9·0
Pulham	bobc	bobc	bobc	:	73	54	38	–	–	–	–	7·9
Felixstowe	bobc	bobc		bbcw	68	55	45	–	–	–	–	9·1
Valencia (Cahirciveen)	opc	c	cop	roc	63	55	51	4	5	11·00	2200	1·7
Roches Point	oo	c	p		63	56	•	0·5	4	12·30	3·30	*
Pembroke (St. Ann's H.)	c	oqm	oir	ir	62	58	•	–	3	–	2200	0·9
Ross-on-Wye	bmbcb	bbcco	coporr	irom	73	60	56	–	5	–	<2100	8·4
Benson...	bobc	bobc	rr		75	57	48	–	6	–	1·30	*
S. Farnborough ...	bobc	bobc	oo		75	56	45	–	–	–	–	9·2
London (Kew Obsy.) ...	bwbzyb	bybm	bmbfwsofwobon		75	52	45	–	0·6	–	6·30	8·0
Croydon	bmbzy	byiz	co	omdₒ	74	58	51	–	trace	–	6·30	9·5
Clacton-on-Sea ...	bz	bz	bq	bzbc	66	59	54	–	–	–	–	9·5
Shoeburyness	bobc	bob	or	m	76	53	41	–	trace	–	–	8·7
Grain	form	bobc	c		73	55	47	–	•	–	•	9·1
Lympne	bobc	blm	bimw	bbcimo	68	56	45	–	0·1	–	•	9·9
Scilly (St. Mary's) ...	c	c	c	c	64	57	•	–	1	–	<2100	1·4
Falmouth	omo	omodm	opₒ	cm	66	58	57	–	0·5	–	2400	1·0
Plymouth	oo	rord	rord	rord	65	59	58	1	2	17·30	2400	1·7
Portland Bill	c	c	oo	oo	65	59	•	–	2	–	<2100	*
Calshot	c	c	c	rord	71	59	52	–	0·1	–	3·30	8·8
Dungeness	boibc	boibc	boibc	c	68	62	•	–	–	–	–	*
Jersey	b	bbcb	co	copo	71	62	•	–	1	–	3·30	8·5

BALLOBARS. Wednesday, 18th Oct.



Temperature reported from Cross Channel and Coastal Steamers

Position Number	7	6	1	3	6	7
Date	18th	18th	18th	18th	19th	19th
Time G.M.T.	0214	0400	1215	1000	0252	0312
Sea ° F.	63	62	62	59	62	63
Air ° F.	64	62	68	61	63	66

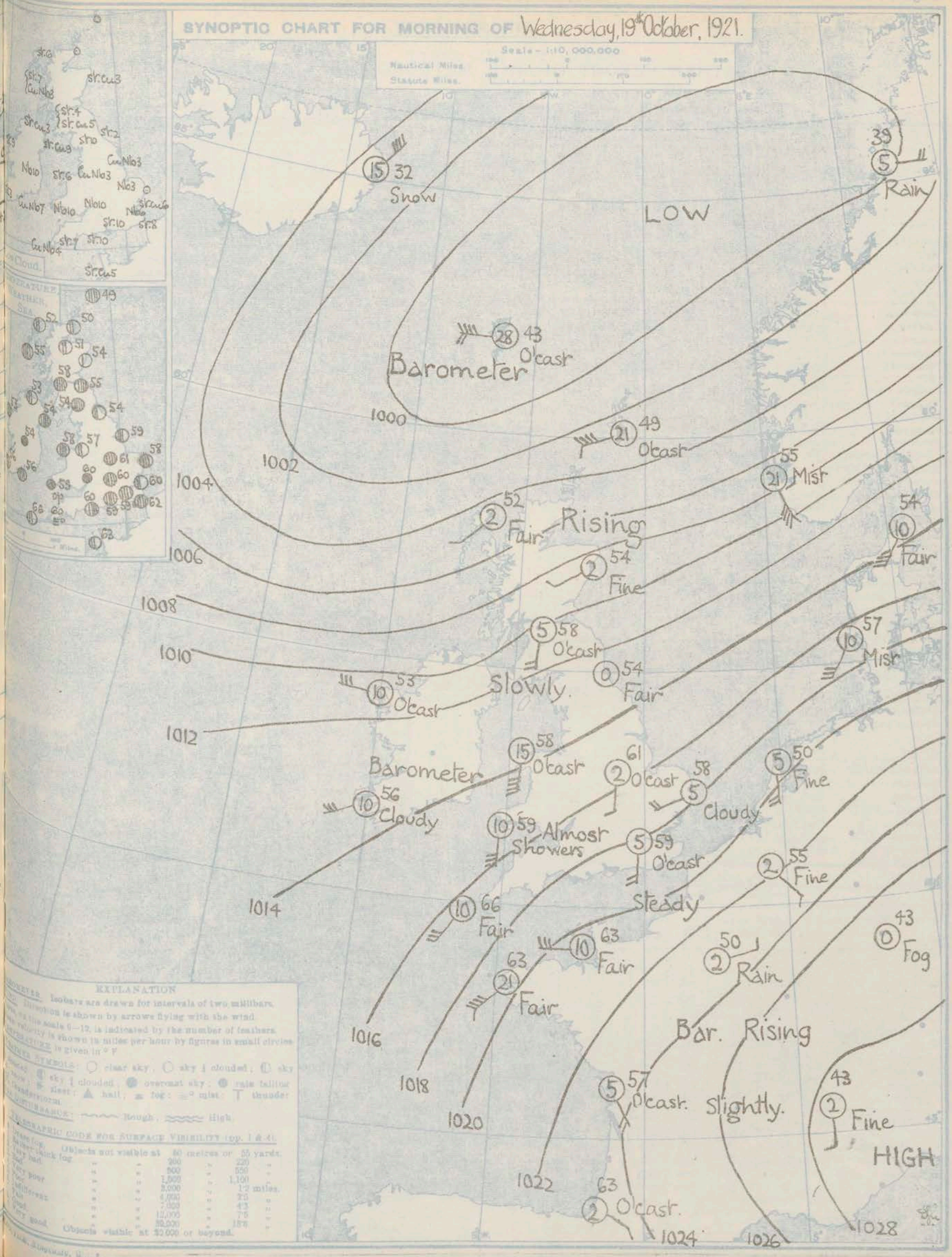
GENERAL INFERENCE.

The Eastward movement of the Icelandic depression and of the anticyclone, recently over South-East England, has caused the main wind current to change from Southerly to Southwesterly. This moister air supply will cause a good deal of cloud and local rain or showers in all parts of the Kingdom during the next day or two.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 19th October, 1921.	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 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind between South-West and West, moderate; much cloud, some rain or showers; visibility fair but local mist; moderately high temperature. C.G.B.	The flow of air will be from the Atlantic rather than from the Continent during the next few days and cloudy unsettled weather is to be expected.

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

SYNOPTIC CHART FOR MORNING OF Wednesday, 19th October, 1921.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Wednesday 19th October 1921. No. 292.

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	1001.8	-4	SSW	5	c-	56	85	6	-	StCu	3	aCu	8	*
Stornoway	1002.3	+2	SW	4	od	*	*	4	*	*	*	*	*	*
Wick	1001.2	-2	SW	3	bc	55	97	8	4000	Cu	3	Ci	4	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1008.7	+1	SW	3	bc-	53	97	8	5750	StCu	3	aCu	6	*
Renfrew	1010.3	+5	SW	4	odo	56	85	6	800	Nb	10	-	10	*
Inchkeith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	No Observations Taken													*
Tynemouth	1011.4	+1	WSW	3	b-	61	85	8	2500	Cu	3	-	3	*
Blacksod Point	1009.2	+1	SW	3	b-	55	85	7	2500	Cu	3	-	3	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1013.5	+1	SW	2	c+	55	92	8	1500	StCu	2	Ci	8	*
Holyhead	1008	+1	SW	4	0	*	*	8	-	-	0	aCu	9	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1014.1	0	S	3	or+	59	92	5	2500	StCu	10	-	10	*
Spurn Head	1015.4	0	SW	4	c+	60	92	8	4000	Cu	8	*	8	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1016.2	0	SW'W	3	od	60	97	7	4000	Nb	10	-	10	*
Gorleston	1018.0	0	SW'W	3	b+	57	92	7	-	-	0	aCu	1	*
Pulham	1018.2	0	SSW	1	bc	55	97	8	-	-	0	aCu	4	*
Felixstowe	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Valencia (Cahirciveen)	1002.6	+1	SSW	1	odo	57	97	3	-	Nb	9	-	9	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St.Ann's H.)	1015.9	0	SW	4	c/r	60	97	8	1500	Nb	6	aCu	8	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	54	*	*	*	*	*	*	*	*
Croydon	1018.7	0	S	3	0+	59	89	8	4000	StCu	6	aCu	8	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1019.7	0	SSE	3	bo/mo	59	90	7	-	-	0	aCu	0	*
Scilly (St. Mary's)	1016.6	0	SW	1	c	59	97	8	4000	StCu	8	-	8	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1017.1	0	SW	3	or	61	97	7	1500	Nb	10	-	10	*
Portland Bill	1018.8	0	SSW	2	opro	60	85	7	-	-	0	aSt	10	*
Calshot	1018.2	0	-	0	o+	62	97	8	4000	StCu	10	-	10	*
Dungeness	1019.4	0	S	3	b	62	97	7	-	-	0	-	0	*
Jersey 7h / Guernsey 1h	1020.3	0	S	3	mo+	65	85	6	-	Nb	10	-	10	*

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	1002.4	+4	WSW	5	o+	49	97	7	-	-	0	aSt	10	4
Stornoway	1004.7	+1	SW	1	bc-	52	85	7	800	St	6	-	6	0
Wick	1005.9	+4	WSW	2	bc	50	92	8	-	-	0	aCu	4	0
Castlebay	1007.3	0	SW	5	o+	55	92	7	1500	St	10	-	10	5
Nairn	1007.9	*	-	0	bc	51	85	8	1500	Cu	1	aCu	*	*
Aberdeen	1009.2	+4	SW	1	b.	54	75	7	5750	StCu	3	-	4	0
Malin Head	1009.2	0	SSW	3	c+	53	97	8	4000	StCu	3	aCu	3	0
Renfrew	1011.0	+1	SW	4	0	56	92	7	1500	StCu	10	-	7	2
Inchkeith	1010.3	+2	W'S	3	c	55	85	9	—	-	0	CiCu	10	*
Eskdalemuir	1012.8	+2	SW	4	0	54	97	8	1500	St	10	-	10	*
Tynemouth	1013.1	+2	-	0	bc	54	92	6	2500	St	2	CiCu	4	0
Blacksod Point	1011.8	+4	WNW	3	o/r	53	85	6	225	St	9	-	9	2
Donaghadee	1012.1	+1	SW	1	o+	54	92	8	5750	StCu	9	-	9	1
Birr Castle	1012.8	*	WSW	1	orr	54	97	6	800	Nb	10	-	10	*
Baldonnell	1012.9	0	SSW	2	odo	56	92	8	2500	St	10	-	10	*
Holyhead	1013.8	0	S	4	0	58	92	8	1500	St	6	ASK	9	4
Liverpool (Bidston)	1014.5	+1	SSW	1	bc-	57	85	8	2500	CuNb	3	Ci	5	0
Manchester (Alex.Pk.)	1014.8	+1	S	2	0	58	85	5	2500	StCu	9	-	9	*
Howden	1014.6	+1	SSW	2	o-	57	92	5	2500	St	5	aCu	10	*
Spurn Head	1015.4	0	SSW	2	c	59	92	7	1500	St	5	CiCu	7	5
Nottingham	1015.9	*	S	1	o+	61	97	5	4000	Nb	3	aSt	10	*
Cranwell	1016.5	0	SW	1	o/r	58	97	6	2500	StCu	7	aSt	9	*
Gorleston	1018.0	0	SW	2	c-	58	92	6	-	-	0	aCu	7	0
Pulham	1018.1	0	SSW	1	0	57	97	8	2500	CuNb	6	aSt	9	*
Felixstowe	1019.1	0	S	2	c	59	92	8	7250	StCu	6	aCu	8	0
Valencia (Cahirciveen)	1013.6	+2	SW	3	c-	56	85	8	1500	St	3	aCu	7	1
Roches Point	1014.0	+1	-	0	c-	56	97	8	2500	CuNb	7	aCu	8	1
Pembroke (St.Ann's H.)	1014.5	0	S	3	opro	59	97	8	1500	Nb	10	-	10	4
Ross-on-Wye	1016.1	0	-	0	or	60	97	5	2500	Nb	10	-	10	*
Benson	1017.2	-1	SSW	2	o/r	60	92	5	-	St	10	-	10	*
S. Farnborough	1018.1	0	S'E	2	0	59	97	5	800	St	10	-	10	*
London (Kew Obsy.)	1018.0	-1	SSW	1	o/r	59	97	5	4000	Nb	6	aSt	9	*
Croydon	1018.6	0	S	3	o/r	60	97	5	450	St	10	-	10	*
Clacton-on-Sea	1018.4	0	SSE	2	bc+	60	92	7	2500	CuNb	2	Ci	5	0
Shoeburyness	1018.5	+1	-	0	mc-	60	92	5	4000	StCu	6	aCu	7	*
Grain	1018.7	0	SSW	2	0	60	92	7	2500	StCu	9	-	9	0
Lympne	1019.4	+1	S	3	o+	60	92	8	800	St	8	aSt	9	*
Scilly (St. Mary's)	1016.2	0	SW	3	bc	60	97	8	4000	CuNb	4	aCu	5	*
Falmouth	1017.4	0	SSW	3	mmc	60	97	7	1500	St	7	-	7	*
Plymouth	1017.8	+1	SW	3	oro+	61	97	7	450	St	10	-	10	*
Portland Bill	1017.0	-2	SW	4	o+	60	85	7	450	St	10	-	10	4
Calshot	1018.2	0	SSW	3	or	63	97	7	800	Nb	10	-	10	0
Dungeness	1019.4	0	SW	4	c+	62	97	7	1500	St	5	CiCu	8	4
Jersey 7h / Guernsey 1h	1020.5	0	W	3	bc/r	63	92	8	4000	StCu	5	-	5	3

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

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 19h.-9h. (17h.-18h.) mm.	Rainfall.† Day 9h.-17h. (18h.) mm.	Sunshine. Sunrise to 17h. (18h.) hr.	Sunshine. Sunrise to Sunset. (17h.) hr.
Banff	odro	oc	63	47	3	2	0.0	3.8
Montrose	cf	of	63	56	2	-	2.5	0.2
Llandudno	c	coc	67	52	-	-	0.5	3.5
Colwyn Bay	b	b	66	54	-	-	2.0	0.0
Rhyl	bc	bcc	69	52	-	-	3.6	5.2
Southport	bbc	c	68	49	-	-	6.8	5.3
Blackpool	bc	bc	67	49	-	-	7.2	3.7
Harrogate	b	b	70	46	-	-	7.4	3.8
Skegness	b	b	69	47	-	-	8.2	8.7
Aberystwyth	cb	b	69	54	-	-	4.8	6.5
Bath	b	bbc	73	45	-	-	8.5	6.7
Leamington Spa	b	b	74	38	-	-	8.5	8.0
Lowestoft	b	b	67	53	-	-	9.0	9.0
Felixstowe	bm	bm	66	49	0.3	-	9.0	7.8
Southend	b	b	74	54	-	-	8.5	7.9
Paignton	bc	bcco	69	45	-	-	6.3	5.9
Ilfracombe	bbc	bcco	70	57	-	-	6.4	0.0
Bude	wbcbc	bcco	67	50	-	-	5.1	8.2
Penzance	ofc	co	65	57	-	-	0.8	7.2
Torquay	bc	bc	66	51	-	-	5.2	0.0
Weymouth	bc	bc	71	55	-	-	5.7	9.3
Bournemouth	b	b	69	44	-	-	7.3	8.2
Portsmouth (S'thsea)	b	b	69	54	0.3	-	9.2	8.2
Worthing	b	b	68	51	-	-	9.5	9.6
Brighton	b	b	68	50	-	-	9.2	9.2
Eastbourne	b	b	69	47	-	-	9.4	9.9
Hastings	wb	b	67	55	0.2	-	9.4	9.6
Folkestone	b	b	70	54	-	-	8.5	10.0
Tunbridge Wells	b	b	73	48	-	-	8.7	8.6
Ramsgate	b	b	69	55	-	-	9.5	9.2
Margate	b	b	73	57	-	-	8.7	8.0
Deal	b	b	71	47	-	-	9.5	9.5

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 8. § See footnote page 7.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B21,882 Thursday 20th October 1921.

Observations at 1300 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	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1005·2	+2	SW	4	c	57	92	7	-	-	-	A.St.	8	*
Stornoway	1009·1	+3	WNW	6	cpr0	50	75	7	4000	Cu	5	A.Cu	7	*
Wick	1007·4	+1	WNW	3	o+	55	85	9	4000	CuNb	4	CiSt	9	*
Castlebay	1012·5	+4	W	4	bc-	49	85	8	4000	St	6	-	6	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1019·6	0	SSW	4	c+	59	75	8	5750	StCu	8	-	8	*
Malin Head	1012·8	+4	WNW	3	o	51	92	8	4000	StCu	9	-	9	*
Renfrew	1012·3	+1	W	4	or0r0	53	85	8	1500	Nb	10	-	10	*
Inchkeith	1010·8	-1	W'S	3	o	57	75	8	-	StCu	2	A.St	10	*
Eskdalemuir	1012·0	-2	SSW	4	or	55	92	6	22.5	Nb	10	-	10	*
Tynemouth	1012·6	-1	SW	3	bc	64	75	7	4000	CuNb	3	A.Cu	5	*
Blacksod Point	1016·5	+7	NW	3	c-	53	65	8	2500	Cu	6	Ci	8	*
Donaghadee	1013·7	+2	W	2	o/r	54	85	8	5750	StCu	10	-	10	*
Birr Castle	1015·8	*	NW	2	c-	53	85	8	4000	Cu	8	-	8	*
Baldonnell	1015·1	+4	WSW	2	opr0	56	85	8	1500	Nb	10	-	10	*
Holyhead	1013·3	-1	SW'S	4	od0	61	92	8	800	St	10	-	10	*
Liverpool (Bidston)	1013·5	-1	SW'S	2	c/r	64	75	8	1500	CuNb	8	-	8	*
Manchester (Alex. Pk.)	1014·6	-1	SW	5	bc-	66	65	7	2500	Cu	4	ACu	6	*
Howden	1014·5	-2	SW'S	2	c+	66	65	6	1500	St	3	A.St	8	*
Spurn Head	1014·8	-1	SSW	2	o-	62	92	7	4000	StCu	10	-	10	*
Nottingham	1015·4	*	SW	2	c-	66	75	7	2500	CuNb	3	Ci	7	*
Cranwell	1015·7	0	SW'W	3	c-	65	75	8	2500	StCu	6	A.Cu	8	*
Gorleston	1016·2	-1	SW	4	or0	66	85	6	4000	Nb	10	-	10	*
Pulham	1017·4	0	SSW	3	or	64	92	5	1500	Nb	10	-	10	*
Felixstowe	1018·6	-1	SSW	3	o-	64	92	7	4000	StCu	9	-	9	*
Valencia (Cahirciveen)	1018·5	+4	N	4	o+	53	75	8	2500	StCu	10	A.St	10	*
Roches Point	1016·9	+4	NW	3	o	57	85	8	2500	StCu	10	-	10	*
Pembroke (St. Ann's H.)	1016·1	0	SW	5	o	61	97	8	1500	Nb	10	-	10	*
Ross-on-Wye	1016·3	-1	SW'W	4	bc	66	75	8	4000	Cu	4	Ci	5	*
Benson	1017·3	0	SW	4	bc/r	68	75	9	-	Cu	5	-	5	*
S. Farnborough	1018·5	0	W'S	4	o	66	75	8	1500	StCu	10	-	10	*
London (Kew Obsy.)	1018·2	0	SW	4	c/r	67	75	8	4000	Cu	6	A.Cu	7	*
Croydon	1018·6	0	W'S	4	bc/r	68	66	8	1500	StCu	4	A.Cu	6	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1018·6	0	WSW	2	c/r	67	75	8	2500	StCu	5	A.Cu	7	*
Grain	1018·4	0	SW	4	c-	68	75	8	1300	Cu	8	-	8	*
Lympne	1019·3	-1	SW	5	c	68	65	9	1500	St.	7	A.Cu	8	*
Scilly (St. Mary's)	1017·8	+1	SW	3	bc	64	85	8	4000	Cu	2	Ci	5	*
Falmouth	1018·4	0	SW	6	o	66	75	8	2500	StCu	9	-	9	*
Plymouth	1018·5	0	SW	4	o	63	92	7	800	St	10	-	10	*
Portland Bill	1019·6	+2	SW	5	b-	63	85	8	-	-	-	A.Cu	3	*
Calshot	1019·7	+1	SSW	4	c-	63	92	8	1500	Cu	8	-	8	*
Dungeness	1019·9	0	SW	5	bc	66	85	8	4000	Cu	5	-	5	*
Jersey	1021·2	0	S	3	c	70	75	8	-	-	-	CiSt	7	*

Observations at 1800 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	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1008·3	+4	WNW	6	bc-	47	75	7	-	StCu	4	ACu	6	4
Stornoway	1012·9	+4	W	3	bc-	45	75	7	2500	Cu	6	-	6	2
Wick	1010·9	+3	WNW	2	bc+	45	75	9	-	-	-	Ci.St.	5	0
Castlebay	1014·5	+2	WNW	4	b+	49	75	8	7250	Cu	3	-	3	3
Nairn	1013·0	*	W	2	c+	47	85	8	1500	CuNb	7	-	7	*
Aberdeen	1013·3	+5	NW'W	3	o/r	50	85	8	4000	Nb	10	-	10	0
Malin Head	1016·5	+4	WNW	3	c+	49	85	8	4000	Cu	7	-	7	3
Renfrew	1015·5	+4	WNW	3	bc-	49	75	8	2500	StCu	6	-	6	*
Inchkeith	1013·4	+6	W'N	4	o	52	75	8	-	St	1	A.St	10	3
Eskdalemuir	1015·5	+5	NW	3	o	48	85	8	2500	StCu	7	A.St	10	*
Tynemouth	1013·4	+3	WNW	2	opr0	55	92	7	5750	Nb	10	-	10	0
Blacksod Point	1018·7	+4	W	1	bcpr0	49	75	8	4000	Cu	6	-	6	1
Donaghadee	1017·5	+4	WNW	2	c	50	75	8	5750	StCu	8	-	8	3
Birr Castle	1019·3	*	NW	1	b-	47	92	8	4000	StCu	2	-	2	*
Baldonnell	1019·4	+5	W'S	1	o-	49	85	8	1500	StCu	10	-	10	*
Holyhead	1017·8	+4	NW	4	o	56	85	8	1500	StCu	10	-	10	1
Liverpool (Bidston)	1016·2	+5	WNW	3	c/r	55	75	4	800	Nb	8	-	8	4
Manchester (Alex. Pk.)	1016·1	+4	W	4	or	66	85	5	2500	Nb	9	-	9	*
Howden	1014·2	0	SW	4	opr0	62	85	6	1500	StCu	7	A.St	10	*
Spurn Head	1014·8	0	SW	1	bv	59	75	7	4000	CuNb	2	Ci	3	1
Nottingham	1015·7	*	SW	2	c	62	85	5	1500	CuNb	7	-	7	*
Cranwell	1016·2	0	SW	3	c+	~~60~~ 61	85	8	800	StCu	5	A.St	7	*
Gorleston	1017·8	+1	SW	2	b-	62	85	7	-	-	-	CiCu	1	1
Pulham	1017·6	0	SSW	3	b/r	61	85	6	-	-	-	A.St	2	*
Felixstowe	1019·2	+2	SSW	3	bc	62	85	8	-	-	-	~~A.St~~ Ci.St.	4	1
Valencia (Cahirciveen)	1021·2	+4	N	3	bc-	51	65	8	2500	Cu	4	-	4	4
Roches Point	1020·1	+4	NNW	3	o	63	75	8	2500	StCu	10	-	10	0
Pembroke (St. Ann's H.)	1017·7	+1	WSW	3	oPR	57	97	8	1500	Nb	10	-	10	5
Ross-on-Wye	1017·6	+2	WSW	3	bc-	59	85	8	2500	CuNb	1	Ci	4	*
Benson	1018·3	+2	SW	3	c+	60	85	7	-	Cu	3	Ci	7	*
S. Farnborough	1019·5	+2	SW	5	o	60	92	8	-	-	-	Ci	9	*
London (Kew Obsy.)	1019·1	+2	SSW	3	bc	62	85	8	-	-	-	Ci	5	*
Croydon	1019·0	+1	WSW	5	o+	61	85	7	2500	StCu	3	Ci	9	*
Clacton-on-Sea	1018·8	+1	SSW	3	bc-	63	85	8	-	-	-	A.St	4	0
Shoeburyness	1019·4	+1	WSW	3	bc	62	85	7	-	-	-	Ci	6	*
Grain	1019·6	+2	SW	4	c	62	85	8	-	-	-	Ci	7	3
Lympne	1020·7	+2	SW	4	c	60	97	8	1500	St	5	A.St	7	*
Scilly (St. Mary's)	1018·4	+1	W'S	1	o+	59	92	8	4000	StCu	9	-	9	4
Falmouth	1019·5	+2	SW	3	b	59	92	8	-	StCu	1	A.St	2	*
Plymouth	1019·2	+1	SW	3	o	61	97	7	450	St	9	-	9	*
Portland Bill	1020·6	+2	SW	5	o+	61	85	8	-	-	-	A.St	10	4
Calshot	1020·1	+1	SW	4	c	62	92	8	1500	Cu	1	Ci	8	3
Dungeness	1020·6	+1	WSW	3	b	62	97	7	4000	Cu	3	-	3	4
Jersey	1021·2	0	W	3	b	63	85	8	-	-	-	-	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. 20th								Yesterday.		To-day.
Kew (24 hours ended 0700)	omodmbd	cbc	bcobo	*	*	46	2	0·1	3·5	*	*
Croydon (24 hours ended 0700)	omp0cd	bc0om	oimc	*	*	52	0·2	0·2	4·5	*	*
Greenwich (Royal Obsy.)	c	o	oos	71	56	45	-	-	3·4	66	84
City (Bunhill Row)	*	*	*	*	*	*	*	*		*	*
Westminster (St. James' Pk.)	bc	bc	ro	70	56	49	6·5	-		73	88
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	2·8	*	*
Camden Sq. (Brit. Rainfall)	or	c	bc	70	56	51	2	0·3	*	70	92
Kensington Palace			*	70	57	48	1·2	0·3	*	82 (18h)	94
Hampstead Observatory	or	bc	b	66	56	48	2	2		*	98

Atmospheric Pollution. Lbs. of Solid impurity per million cubic yards.

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

South Kensington Max.	Time.	Min.	Time.
1·0	18hr. 18th	0·6	14hr 19th
1·0	8hr. 19th		

Kew Observatory Max	Time.	Min.	Time.
1·6	17hr. 18th	0·2	13-14hr 19th
1·2	1hr. 19th		

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 19th 18 h. - m. to 20th 5 h. 30 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	11·30	7·35	66
δ Ursae Minoris	11·30	7·22	64

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

20th & 21st October 1921.

Stations	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·28	11·38	4·48
	6·30	11·38	4·46
Greenwich	6·33	11·45	4·57
	6·35	11·45	4·55
Wick	7·0	11·57	4·54
	7·3	11·57	4·51
Valencia	7·15	12·26	5·36
	7·17	12·26	5·34

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, or fine rain.
f fog.
h hail. KQ line squall.
l lightning.
m mist.
o overcast sky.
p passing showers.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
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.

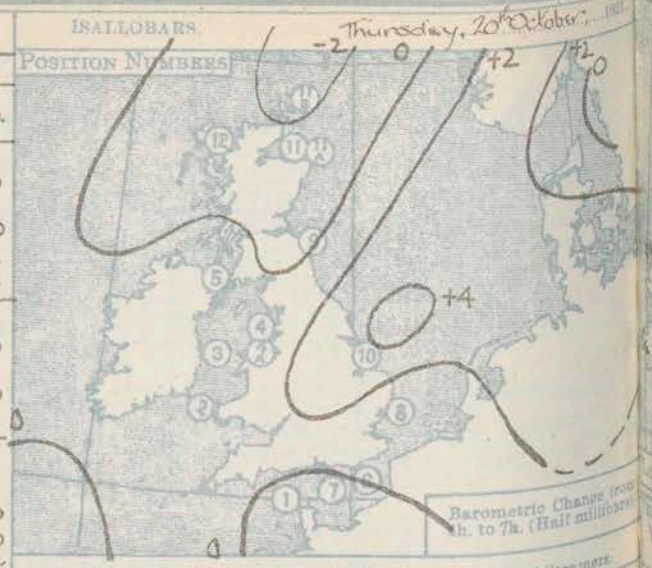
Beaufort No.	Statute miles per hour	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

* 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. 19th	13h.-18h. 19th	18h.-19h. 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	p	b or bc	IR3	53	38	•	Trace	3	14.30	4.30	•
Stornoway	p	c	c	p	54	41	•	1	4	-	-	1.3
Wick	c	bc bc	b or bc	c	53	37	•	-	-	-	-	•
Castlebay	opc	chpbc	bc cpo		55	47	•	0.2	Trace	-	-	3.0
Nairn		c	b or bc		60	37	•	0.3	-	11.00	-	1.8
Aberdeen	bc12	c2oiy	b or bc		61	36	25	2	-	14.30	-	1.5
Malin Head	p	b or bp	br	b or bc	53	45	•	0.6	0.5	<0800	2400	1.6
Renfrew	od	or ocbc	bbcw	bbcm	58	34	26	0.6	Trace	12.30	-	0.0
Inchkeith	oo	oo	b or bc		58	43	39	0.1	-	17.30	-	•
Eskdalemuir	oim	p	b or bc	b or bc	56	26	20	3	-	11.00	-	0.0
Tynemouth	bc bc lw	imp	b or bc	b.bcm	65	40	•	0.3	-	16.30	-	•
Blacksod Point	p	b or bc	p	b or bc	54	44	•	0.4	-	<0800	-	•
Donaghadee	omiy	oq	bcv	bcw	56	38	•	2	Trace	09.00	-	•
Birr Castle	orc	b or bc	b	bx	56	32	26	2	-	<08.00	-	0.0
Baldonnell	oopriw	oo	b or bc	b or bc	57	34	29	4	-	09.00	-	0.0
Holyhead	oi	opoo	oop	obc.b	62	44	33	0.1	0.3	13.30	<2100	0.4
Liverpool (Bidston)	cp	p	oo		66	49	46	2	-	15.30	-	2.8
Manchester (Alex. Pk.)	omcbc12	opomoiy	ocmo	cbmz	68	48	38	2		14.30		•
Howden	c	p	p	c	68	42	35	0.1	1.1	14.30	?	4.9
Spurn Head	p	b or bc	c	p	65	49	•	0.3	0.6	-	2.30	1.8
Nottingham	p	iy	r	r	67	45	46	2	5	<08.00	<2100	2.4
Cranwell	p	p	r or d	r or d	67	45	44	0.1	5	16.30	1.30	1.5
Gorleston	bcor	bp	bcwbw	bcmo	67	54	51	1	-	09.00	-	2.8
Pulham	r or d	p	c	oo	67	53	47	2	-	<08.00	-	1.3
Felixstowe	p	b or bc	c		67	56	54	Trace	-	09.00	-	2.7
Valencia (Cahirciveen)	cop	ocbc	b.bc	bw	56	37	34	0.6	-	11.00	-	1.8
Roches Point	c	oo	b or bc		60	42	•	-	0.3	-	-	•
Pembroke (St. Ann's H.)	coq	oiy	ir	r or d	61	50	•	1	5	09.00	<2100	0.9
Ross-on-Wye	rcbcc	Pcbc	cbbcoik	orr	66	49	49	0.5	7	13.30	2200	4.5
Benson	r or d	b or bciy	c		69	52	45	1	-	-	-	•
S. Farnborough	oo	c	oo		67	58	50	2	-	09.00	-	2.3
London (Kew Obsy.)	omodmobc	cbc	bc	bcopo	67	55	46	2	0.1	09.00	6.30	3.5
Croydon	omimfocd	bcbcoim	oimc	coimir	70	57	52	0.2	0.2	09.00	6.30	4.5
Clacton-on-Sea	bc	cbc	bc	bcoz	67	56	53	-	-	-	-	2.5
Shoeburyness	p	c	f or m		71	56	52	0.2	Trace	11.00	-	3.5
Grain	p	c	ir		71	57	48	Trace	0.1	<08.00	-	3.0
Lympne	ocr	lm cbcc	cocbcimw	bcoswmfg	68	56	53	Trace	0.2	11.00	-	2.4
Scilly (St. Mary's)	b or bc	c	p	p	64	54	•	-	1	-	<2100	7.4
Falmouth	oo	b or bc	op	om	63	56	53	-	2	-	2200	7.2
Plymouth	oo	oo	r or d	r or d	63	58	55	Trace	0.6	<0800	-	0.0
Portland Bill	b or bc	oo	c	oo	63	59	•	-	-	-	-	•
Calshot	p	p	c	r or d	65	59	57	0.2	5	<0800	-	4.2
Dungeness	b or bc	c	c	c	67	61	•	-	-	-	-	•
Jersey	oc	cb	bopo	bcmdo	71	59	•	-	1	-	<2100	6.8



Temperature reported from Cross Channel and Coastal Steamers.

Position Number	7															
Date	20th															
Time G.M.T.	0255															
Sea °F.	63															
Air °F	63															

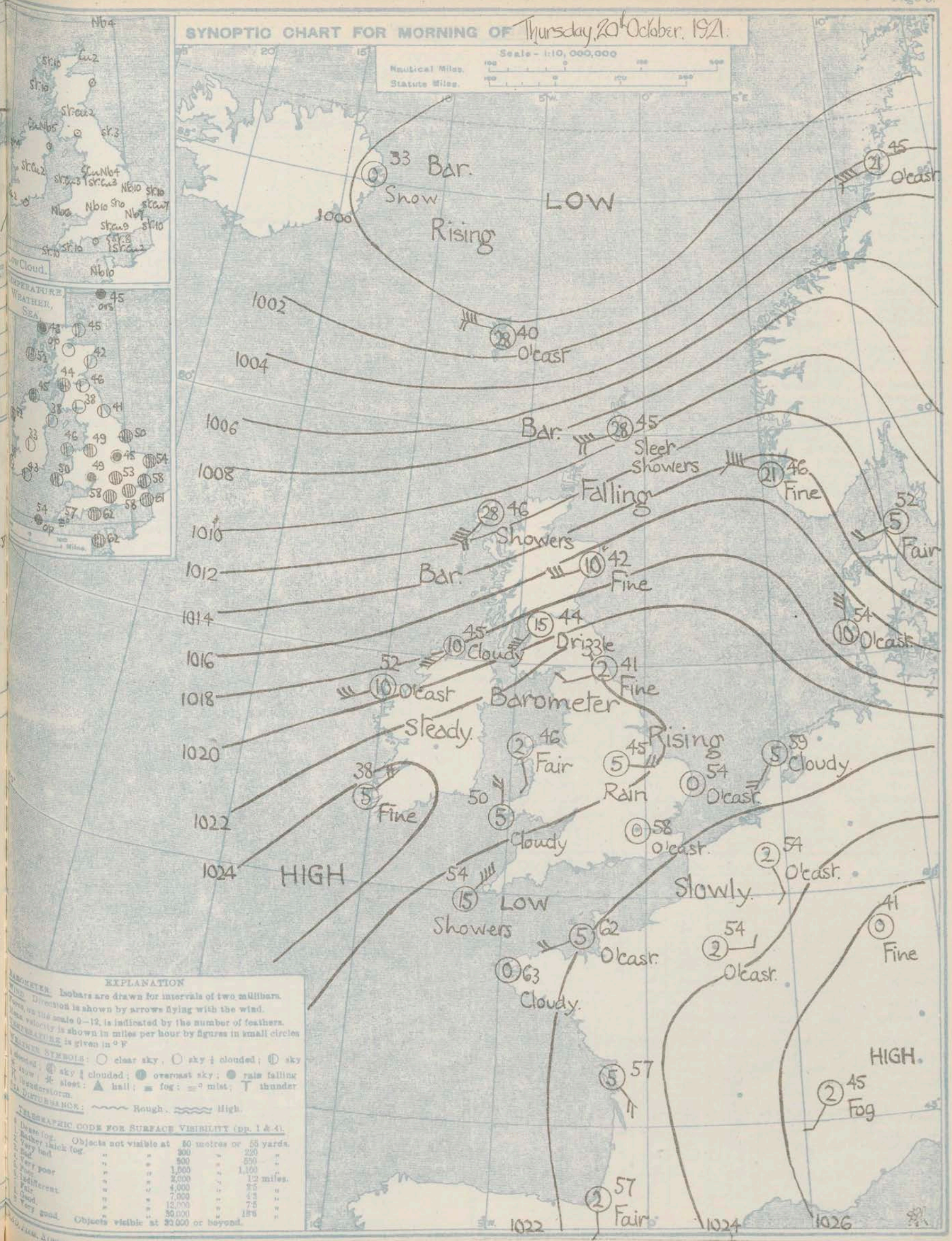
GENERAL INFERENCE.

A wedge of high pressure extending from South Ireland to the North of England is moving Eastward and will produce fine but colder weather over the Southern districts during Thursday afternoon and the early part of Friday. A new depression is however, approaching from the Atlantic and further rain will probably occur in all districts.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Thursday 20th October 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light Northerly wind; fair or fine; visibility mainly good; colder, night frost probable. Change to South-West wind and milder less fair conditions probable later.	
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 South-West, light or moderate; cloudy, some rain probable; visibility fair; temperature rising somewhat.	UNSETTLED GENERALLY BUT CONSIDERABLE FAIR PERIODS.
14. N.E. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind South-West, fresh or strong; dull, rain at times; visibility fair; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind South-West, moderate; dull, some rain; visibility fair; temperature rising again.	

E.S.6

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0945. G. C. SIMPSON, F.R.S. Director.


SYNOPTIC CHART FOR MORNING OF Thursday, 20th October, 1921.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Low Cloud.
Temperature, Weather, Sea.
33 Bar. Snow
LOW
Rising
1000
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
40 O'cast
Bar. 45 Sleet Showers
Falling
46 Fine
46 Showers
Bar. 42 Fine
45 Cloudy
44 Drizzle
52 O'cast
Barometer Steady.
41 Fine
45 O'cast
52 Fair
54 O'cast.
46 Fair
45 Rain
Rising
59 Cloudy
54 O'cast.
38 Fine
50 Cloudy
58 O'cast.
54 O'cast.
Slowly.
54 Showers
LOW
HIGH
62 O'cast.
54 O'cast.
41 Fine
63 Cloudy.
57 Fair
45 Fog
HIGH.
1022
1024
1026
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; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough, High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 41).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Thick fog. " " 200 " 220 "
2 Very bad " " 500 " 550 "
3 Bad " " 1,000 " 1,100 "
4 Very poor " " 2,000 " 1·2 miles.
5 Poor " " 4,000 " 2·5 "
6 Indifferent " " 7,000 " 4·3 "
7 Fair " " 12,000 " 7·5 "
8 Good " " 30,000 " 18·6 "
9 Very good. Objects visible at 30,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Thursday 20th October 1921. No. 293.

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	1010·8	+2	W'N	4	b	45	75	7	-	Cu	3	-	3	*
Stornoway	1014·7	+2	W	2	b.	*	*	7	*	*	*	*	*	*
Wick	1014·0	+2	WSW	2	b	40	92	9	-	-	0	-	0	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1019·7	+1	SW	3	bcpr₀	48	92	8	4000	CuNb	5	-	5	*
Renfrew	1019·5	+3	-	0	b	37	92	8	-	-	0	-	0	*
Inchkeith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1021·8	+2	-	0	b	34	85	8	-	-	0	ASt	1	*
Tynemouth	1019·4	+5	WNW	2	bc⊕	48	85	8	-	-	0	ACu	4	*
Blacksod Point	1020·4	+1	W	2	bc	49	75	8	-	CuNb	4	-	4	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1022·7	+3	W	1	b	38	92	7	-	-	0	CiSt	2	*
Holyhead	1021·4	+2	N	3	o⊕	*	*	8	~~450~~	~~St~~	~~10~~	CiSt	10	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex. Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1020·0	+5	WNW	1	orr	50	92	7	2500	Nb	6	ASt	10	*
Spurn Head	1018·5	+2	NW	4	c+	55	85	9	2500	St	8	-	8	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1020·2	+3	NNW	2	o/r	54	97	6	800	St	10	-	10	*
Gorleston	1019·1	+1	W	2	b.	57	92	7	-	-	0	-	0	*
Pulham	1020·0	+3	SW	1	c	55	97	8	-	-	0	ACu	7	*
Felixstowe	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Valencia (Cahirciveen)	1022·3	+1	SW	1	b-	50	65	8	-	Cu	2	-	2	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1021·2	+1	N	1	or₀	52	97	8	1500	Nb	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1020·9	+1	SW'S	3	c-	57	97	8	4000	StCu	3	Ci	7	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1021·6	+1	WSW	3	bc-	57	97	7	1500	St	2	CiSt	5	*
Scilly (St. Mary's)	1019·8	+2	-	0	bcpr₀	57	97	8	4000	CuNb	6	-	6	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1020·1	0	SSW	2	o	60	97	8	2500	StCu	10	-	10	*
Portland Bill	1020·6	0	WSW	3	bc+	59	85	8	1500	StCu	6	-	6	*
Calshot	1020·9	0	SW	2	o+	60	97	8	4000	Cu	1	Ci	9	*
Dungeness	1021·4	+1	SW	3	c-	62	97	8	4000	Cu	8	-	8	*
Jersey 7h / Guernsey 1h	1021·9	0	SSW	3	bl	60	97	8	-	-	0	CiSt	3	*

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	1009·9	-3	WSW	6	bcprs	45	97	7	7250	Nb	4	ACu	6	5
Stornoway	1011·0	0	SW	6	oPR-	46	85	6	450	St	10	-	10	4
Wick	1012·9	-2	SSW	3	bc+	45	85	9	4000	Cu	2	ASt	6	3
Castlebay	1014·7	0	WSW	5	o+	52	75	8	5750	St	10	-	10	4
Nairn	1014·4	*	WSW	2	bc+	45	85	8	-	-	0	ACu	5	*
Aberdeen	1017·1	0	WSW	3	b	42	75	8	-	-	0	ASt	2	0
Malin Head	1018·4	0	SW	3	c+	45	97	8	4000	CuNb	5	ASt	7	4
Renfrew	1019·7	0	~~WSW~~ S	3	bc	44	85	7	2500	StCu	2	Ci	6	*
Inchkeith	1018·4	-1	W	4	b	46	85	8	-	St	3	-	3	3
Eskdalemuir	1023·0	+2	-	0	bc+	27	97	8	-	-	0	CiSt	6	*
Tynemouth	1021·1	+1	WSW	1	b.	41	92	5	2500	St	3	-	3	0
Blacksod Point	1019·8	0	SW	3	o⊕	52	75	7	1500	St	4	ASt	10	2
Donaghadee	1021·8	+1	WSW	1	bv	38	92	8	-	-	0	ACu	2	0
Birr Castle	1022·7	*	NW	1	b	33	97	7	4000	StCu	2	-	2	*
Baldonnell	1023·6	+2	SW	1	bc+	35	92	8	-	-	0	CiSt	5	*
Holyhead	1022·6	+1	S	1	bc+	46	85	8	2500	StCu	3	ACu	4	1
Liverpool (Bidston)	1022·3	+1	NE	1	c-	49	65	7	2500	CuNb	7	-	7	0
Manchester (Alex. Pk.)	1022·6	+3	WNW	1	b-	49	85	8	4000	StCu	3	-	3	*
Howden	1022·9	+2	NW'N	1	~~bc~~	45	92	6	4000	StCu	8	~~ASt~~ -	~~5~~ 8	2
Spurn Head	1022·2	+4	NW	4	o/r	50	75	8	1500	St	2	ASt	9	*
Nottingham	1022·4	=	E	2	or₀r₀	45	97	6	2500	Nb	10	-	10	*
Cranwell	1022·9	+3	N	2	odd	46	97	6	800	Nb	10	-	10	0
Gorleston	1020·7	+1	-	0	o	54	97	7	2500	St	10	-	10	*
Pulham	1020·8	0	-	0	o	55	97	5	4000	St	10	-	10	0
Felixstowe	1021·1	0	SSW	2	mmo	58	97	4	4000	StCu	8	ASt	10	2
Valencia (Cahirciveen)	1024·1	+1	NE	2	b	38	92	9	2500	Cu	2	-	2	0
Roches Point	1024·3	+1	N	2	b-	43	92	.	-	-	0	Ci	1	3
Pembroke (St. Ann's H.)	1022·1	0	N	2	bc/r	50	92	9	1500	Nb	6	-	6	*
Ross-on-Wye	1022·0	+2	NE	2	or₀r₀	49	97	7	800	Nb	10	-	10	*
Benson	1021·2	+1	NNE	2	o+	53	92	5	.	St	10	-	10	*
S. Farnborough	1021·9	0	S	1	o	58	97	6	2500	StCu	9	ASt	10	*
London (Kew Obsy.)	1020·7	+1	-	0	o/r	58	97	6	1500	Nb	7	ASt	10	*
Croydon	1021·0	+1	SSW	2	o/r	58	97	6	1500	St	5	ASt	9	0
Clacton-on-Sea	1021·0	0	SW	2	c+	58	92	7	4000	StCu	7	-	7	*
Shoeburyness	1021·2	0	SSW	1	mc-	58	92	4	2500	Cu	3	ASt	7	0
Grain	1021·4	+1	SW	2	obr₀	59	97	6	4000	StCu	4	ASt	10	*
Lympne	1021·9	+1	-	0	FF₀	57	97	1	<150	St	10	-	10	4
Scilly (St. Mary's)	1020·2	+1	NE	4	opr₀	54	97	8	1500	St	10	-	10	*
Falmouth	1020·2	+1	NW	2	mmo	57	97	5	800	St	10	-	10	0
Plymouth	1020·2	0	SW	1	or₀	59	97	7	<150	StCu	10	-	10	2
Portland Bill	1020·6	0	WSW	4	o+	62	85	8	-	-	0	ASt	10	0
Calshot	1021·1	0	WSW	2	o/r	60	97	8	800	St	10	-	10	3
Dungeness	1021·7	0	SW	3	c+	61	97	7	1500	St	8	-	8	0
Jersey 7h / Guernsey 1h	1021·8	0	WSW	2	o/r	62	97	8	800	Nb	10	-	10	

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

Stations	Weather Fore-noon	Weather After-noon	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall† Night 17h.-9h. 18th mm.	Rainfall† Day 9h.-17h. 19th mm.	Sunshine Sunrise to 17h. 19th hr.	Sunshine Sunrise to Sunset 18th hr.
Banff	bc c	opc	60	51	-	0·2	2·3	0·0
Montrose	bc	bc c	61	52	-	0·3	3·8	2·6
Llandudno	ccr	cpor	66	55	-	4	1·8	0·5
Colwyn Bay	bc bco	orbec	66	57	-	2	2·7	2·0
Rhyl	bc	r	66	55	-	6	2·7	3·6
Southport	oco	crrco	64	56	0·4	9	1·7	6·8
Blackpool	oc	po	63	55	-	1	0·6	7·2
Harrogate	bccotlr	bccotlr	64	55	-	4	3·2	7·4
Skegness	ro	ob	67	48	5	-	8·2	8·2
Aberystwyth	ocb	cro	64	59	-	1	2·0	4·8
Bath	ocbcb	bcb	68	60	2	-	5·0	8·5
Leamington Spa	ocbbc	bc	68°	59	3	-	4·4	8·5
Lowestoft	cop	ocb	66	56	0·4	-	3·3	9·0
Felixstowe	oz	b	67	57	-	-	2·9	9·0
Southend	opoc	bc	70	58	0·4	-	4·4	8·5

Stations	Weather Fore-noon	Weather After-noon	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall† Night 17h.-9h. 18th mm.	Rainfall† Day 9h.-17h. 19th mm.	Sunshine Sunrise to 17h. 19th hr.	Sunshine Sunrise to Sunset 18th hr.
Paignton	becpbc	bc c	67	59	4	Trace	5·8	6·3
Ilfracombe	bbcc	cbc	71	58	0·3	-	5·1	0·0
Bude	pbc	b	66	57	1	-	7·3	5·1
Penzance	bc	bc	67	58	0·2	-	8·0	0·6
Torquay	bc	bc	66	60	4	-	5·4	0·0
Weymouth	oc	c	67	61	3	-	2·0	5·7
Bournemouth	obc	bc	65	60	3	-	1·9	7·3
Portsmouth (S'thsea)								
Worthing	doc	cbc	65	57	-	-	2·6	9·5
Brighton	oero	oc	65	56	0·4	0·2	1·2	9·2
Eastbourne	roc	c	66	61	-	0·3	2·9	9·4
Hastings	odo	co	65	59	0·3	0·2	1·6	9·4
Folkestone	o	c	67	56	-	-	3·7	8·9
Tunbridge Wells	opo	bc	68	56	-	0·1	2·0	8·7
Ramsgate	bc	bc	?	?	-	-	5·0	9·5
Margate	o	bc b	70	59	-	-	3·5	8·7
Deal	c	bc	69	58	-	-	6·3	9·5

* 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. 21883 Friday 21st October 1921.

Observations at 1300 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	1001·5	-2	W	5	cPR	46	92	7	5750	CuNb	5	ACu	8	*
Stornoway	1010·9	0	WSW	5	opr₀	51	75	6	800	St	10	-	10	*
Wick	1011·5	-1	SW	3	c/r	51	85	9	2500	CuNb	8	-	8	*
Castlebay	1015·0	0	SW	5	o	53	75	8	4000	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1016·6	0	S'W	3	o+	49	75	4	-	-	0	A.St	10	*
Malin Head	1017·3	-1	SSW	4	o+	52	97	4	2500	Nb	9	-	9	*
Renfrew	1018·8	-1	SSW	4	o	52	75	8	2500	StCu	6	ASt	10	*
Inchkeith	1018·4	-1	WSW	4	o	51	65	9	-	StCu	1	CiSt	10	*
Eskdalemuir	1020·9	-1	SW	4	o	47	75	8	2500	Cu	2	CiSt	10	*
Tynemouth	1021·2	-1	W	1	o	52	85	6	-	-	0	A.St	10	*
Blacksod Point	1019·5	-1	WSW	4	cpr₀	55	75	8	1500	St	5	CiSt	8	*
Donaghadee	1020·9	-1	WSW	2	ov	?51	75	8	-	-	0	ASt	10	*
Birr Castle	1021·9	*	SW	1	c+	53	[illegible]	8	4000	StCu	5	Ci	4	*
Baldonnell	1022·7	-1	W'S	2	o	53	65	8	-	-	0	ACu	10	*
Holyhead	1022·6	-1	NW	1	o-	53	65	9	2500	StCu	1	ACu	9	*
Liverpool (Bidston)	1022·1	-1	W	1	o+	53	65	8	2500	CuNb	10	-	10	*
Manchester (Alex. Pk.)	1022·2	-2	WNW	1	o/f	54	65	4	2500	St	10	-	10	*
Howden	1022·1	-1	-	0	o+	53	55	8	1500	St	4	A.St	10	*
Spurn Head	1022·3	0	NW	3	bc-	54	92	8	2500	St	3	CiCu	6	*
Nottingham	1022·6	*	E	1	c-	52	75	4	-	-	0	Ci	7	*
Cranwell	1023·2	0	NE	1	o	54	55	8	2500	StCu	6	ACu	9	*
Gorleston	1021·1	0	NE'N	3	or₀f₀	54	92	8	2500	Nb	7	ASt	10	*
Pulham	1021·7	0	N	1	o/r	53	97	5	800	Nb	10	-	10	*
Felixstowe	1021·8	+1	NNE	3	o	55	92	4	800	St	10	-	10	*
Valencia (Cahirciveen)	1023·5	-1	S	2	bc-	56	65	9	2500	Cu	2	CiCu	4	*
Roches Point	1024·7	0	-	0	bc+	54	65	8	4000	Cu	2	Ci	4	*
Pembroke (St. Ann's H.)	1022·5	0	NE	3	bc	57	85	9	2500	Cu	4	-	4	*
Ross-on-Wye	1022·1	+1	E'N	2	o/r	51	92	4	1500	St	10	-	10	*
Benson	1021·7	0	NNE	2	ovr	51	92	5	-	Nb	10	-	10	*
S. Farnborough	1021·2	0	NE	2	or₀f₀	58	85	4	1500	St	7	ASt	10	*
London (Kew Obsy.)	1021·4	0	NNE	2	o/d₀	57	85	3	1500	St	10	-	10	*
Croydon	1021·7	+1	N	1	or₀	56	92	3	450	St	10	-	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1021·3	0	ENE	1	c/r	59	85	6	800	St	7	-	4	*
Grain	1021·3	0	NNE	3	bc-	60	92	6	2500	Cu	6	-	6	*
Lympne	1021·0	-2	SSW	5	c	65	75	9	450	St	6	A.St	8	*
Scilly (St. Mary's)	1020·9	0	NNE	3	o	60	85	8	4000	StCu	10	-	10	*
Falmouth	1021·0	0	N	2	o/r	59	92	7	4000	StCu	6	ASt	10	*
Plymouth	1020·8	0	NW	1	o	61	85	7	2500	StCu	10	-	10	*
Portland Bill	1020·6	0	-	0	bc-	63	85	8	-	-	0	ACu	6	*
Calshot	1021·0	0	NW	1	opr₀	61	92	4	1500	StCu	10	-	10	*
Dungeness	1021·7	0	SW	3	c-	65	85	8	4000	Cu	5	CiSt	8	*
Jersey	1021·8	0	SW	2	bc	67	75	8	4000	StCu	4	-	4	*

Observations at 1800 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	1008·1	0	W	5	bcr	47	85	7	-	Nb	5	-	5	4
Stornoway	1009·5	-1	WSW	3	opr₀	48	85	6	800	St	10	-	10	1
Wick	1010·4	-2	WSW	1	o/r	45	92	9	5750	CuNb	8	A.St	10	3
Castlebay	1012·2	-1	SW	5	o/r	52	85	8	2500	Cu	10	-	10	5
Nairn	1011·9	*	WSW	3	bc/r	48	75	8	4000	CuNb	6	-	6	*
Aberdeen	1014·7	-1	S'W	2	b-	49	85	8	4000	StCu	2	A.Cu	3	0
Malin Head	1015·2	-3	SW	4	b-	51	97	8	4000	CuNb	3	-	3	4
Renfrew	1017·2	-1	SSW	4	bc-	49	85	8	1500	StCu	5	ACu	6	*
Inchkeith	1016·6	-1	WSW	4	b-	49	85	8	-	St	2	-	2	*
Eskdalemuir	1020·0	-1	SSE	2	c-	44	85	8	2500	StCu	3	A.St.	7	*
Tynemouth	1020·3	0	W	2	mor	50	85	4	-	-	-	A.St	10	0
Blacksod Point	1018·5	-2	W	3	cpr₀	53	75	7	4000	Nb	8	-	8	3
Donaghadee	1018·1	-1	WSW	2	bcv	48	85	8	-	-	-	ACu	1	1
Birr Castle	1021·7	*	SW	1	c+	48	85	7	4000	StCu	3	ACu	8	*
Baldonnell	1021·9	-1	S'W	2	b-	46	85	9	4000	Cu	1	A.St	3	*
Holyhead	1021·8	-1	WSW	2	c	49	75	9	5750	StCu.	3	ACu	8	0
Liverpool (Bidston)	1021·5	-1	WNW	1	bc	50	65	7	2500	StCu	2	CiCu	4	1
Manchester (Alex. Pk.)	1021·7	0	W	1	of	48	85	3	450	St	10	-	10	*
Howden	1021·5	0	S	1	o	45	76	4	4000	StCu	10	-	10	*
Spurn Head	1020·7	-1	S	1	c+	50	92	8	5750	StCu	8	-	8	1
Nottingham	1022·0	*	S	1	o+	48	85	4	2500	StCu	3	CiSt	9	*
Cranwell	1022·2	0	E	1	om	48	85	7	5750	StCu	4	A.Cu	10	*
Gorleston	1020·5	-1	N'W	2	or₀	53	85	7	2500	Nb	7	A.St	10	0
Pulham	1021·5	0	-	0	o/r	51	97	6	2500	St	10	-	10	*
Felixstowe	1021·3	-1	N	2	o	53	97	6	800	St	10	-	10	0
Valencia (Cahirciveen)	1022·6	-1	SSW	3	c+	51	75	9	4000	Cu	5	A.Cu	7	3
Roches Point	1023·8	-1	W	1	b-	50	76	8	-	-	-	A.Cu	3	0
Pembroke (St. Ann's H.)	1022·4	0	N	2	o+	52	85	9	4000	StCu	10	-	10	3
Ross-on-Wye	1022·0	0	E	2	o	51	92	6	800	St	10	-	10	*
Benson	1021·5	+1	NNE	1	od₀d₀	51	92	4	-	Nb	10	-	10	*
S. Farnborough	1021·1	0	-	0	o/r	54	92	6	800	St.	10	-	10	*
London (Kew Obsy.)	1021·2	0	NNE	2	o	54	92	4	1500	St	10	-	10	*
Croydon	1021·1	0	N	1	o/r	55	92	3	450	St	10	-	10	*
Clacton-on-Sea	1020·7	0	NNE	2	o/r	55	92	7	1500	CuNb	10	-	10	1
Shoeburyness	1021·0	0	-	0	od₀	55	85	6	800	St	10	-	10	*
Grain	1021·0	0	NNE	2	o/r	55	97	5	800	St	10	-	10	0
Lympne	1021·2	+1	W	3	bc	58	92	7	1500	St	4	A.St	6	*
Scilly (St. Mary's)	1021·4	0	N'E	1	bc	55	92	8	4000	CuNb	3	ACu	5	4
Falmouth	1021·2	0	N	3	or₀	57	92	7	2500	St	10	-	10	*
Plymouth	1020·9	0	NE	1	od₀d₀	58	97	7	450	Nb	10	-	10	0
Portland Bill	1020·6	0	N'E	2	bc	61	85	8	1500	StCu	6	-	6	3
Calshot	1021·0	0	NNW	1	o/r	59	97	7	1500	St	10	-	10	0
Dungeness	1020·9	-1	SW	3	bc-	61	97	8	-	-	-	A.Cu	5	3
Jersey	1021·1	0	-	0	o	63	85	8	4000	StCu	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 } 24 hours ended 0700	ord₀m or₀mr	omod₀m ffo/fv	or₀ ofpmrd	*	*	48	0·1	1	0·3	*	*
Croydon } 24 hours ended 0700				*	*	49	1	3	0·9	*	*
Greenwich (Royal Obsy.)	o	o	or₀f₀	65	48	44	1	2	0·2	93	89
City (Bunhill Row)	*	*	*	*	*	*	*	*	0·0	*	*
Westminster (St. James' Pk.)	o	oro	bc	62	49	47	-	0·4	0·0	87	86
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*		*	*
Camden Sq. (Brit. Rainfall)	ogo	o	*	61	48	48	-	0·2	*	70	85
Kensington Palace	*	*	*	62	49	48	-	0·3	*	93 (6th)	93
Hampstead Observatory						*				*	

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.

24 Hr. ended 1600 G.M.T. 20th

South Kensington

Max.	Time.	Min.	Time.
1·0	18hr. 19th	0·6	1hr. 20th
1·0	8hr. 20th		

Kew Observatory

Max.	Time.	Min.	Time.
0·6	21hr. 19th	0·2	24hr. 19th
1·0	16hr. 20th		

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate

.... Milliwatts

Maximum Rate

.... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 20th 15 h. 0 m. to 21st 5 h. 30 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	11·30	-	-
δ Ursae Minoris	11·30	-	-

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

21st & 22nd October 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·30 6·32	11·38 11·38	4·46 4·43
Greenwich	6·35 6·38	11·45 11·45	4·55 4·52
Wick	7·3 7·6	11·57 11·57	4·51 4·48
Valencia	7·17 7·19	12·26 12·26	5·34 5·32

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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 ₀ 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.

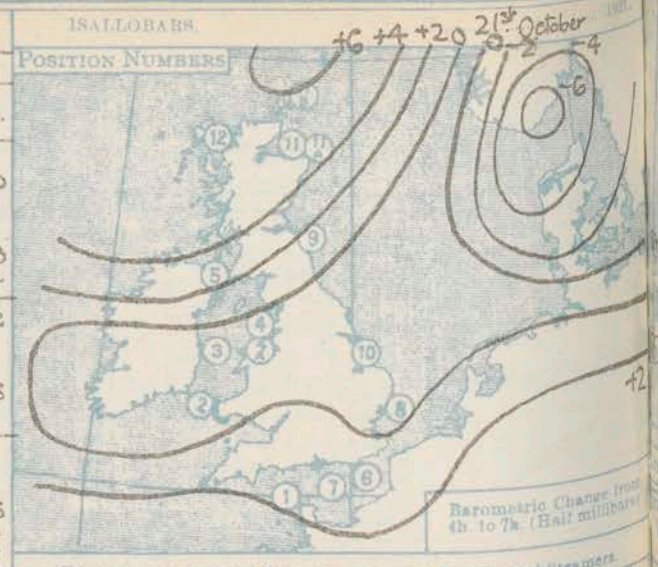
Beaufort No.	Statute miles per hour.	Metres per second.
0	Less than 1.	Less than 0·3
1	1-3	0·3-1·5
2	4-7	1·6-3·3
3	8-12	3·4-5·4
4	13-18	5·5-7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

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

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 20th	13h.-18h. 20th	18h. 20th to 1h. 21st	1h.-7h. 21st	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. Hours.
Lerwick	RR	p	RR	iR	53	37	•	7	9	<08·00	<2100	•
Stornoway	p	p	p	p	51	40	•	2	5	-	-	0·0
Wick	cir₀	oir₀	oir₀	ocPq	51	38	•	1	6	<08·00	<2100	•
Castlebay	oo	opo	olPH	oPbc	53	47	•	1	4	-	-	0·1
Nairn		p	p		52	38	•	1	7	11·00	2400	1·3
Aberdeen	bcoiz	ocbim	bcp₀b		53	42	35	-	0·3	-	4·30	1·4
Malin Head	oo	c	c	ir	52	48	•	-	4	-	1·30	0·2
Renfrew	oo	c	b'bcco	oorr r₀	53	~~47~~ 47	~~45~~ 45	-	4	-	2·30	•
Inchkeith	oo	bobc	c		51	40	45	-	-	-	-	•
Eskdalemuir	oo	c	bobo	c	47	40	30	-	-	-	-	1·5
Tynemouth	oim	m	im	b'bcim	53	44	•	-	-	-	-	•
Blacksod Point	p	p	bobc	bobc	60	51	•	1	4	<08·00	1·30	•
Donaghadee	bcy	bcy	bc.b	bc	52	45	•	-	-	-	-	•
Birr Castle	c	c	cobc	bc	54	41	36	-	-	-	-	3·5
Baldonnell	oo	ocbcby	bobc	bobc	53	43	36	-	-	-	-	2·9
Holyhead	bco	ocroc	cbo	bobc	56	46	35	-	-	-	-	3·1
Liverpool (Bidston)	c	bobc	bobc		54	44	34	-	-	-	-	0·5
Manchester (Alex. Pk.)	bzpfoz	ozf			54			-		-		•
Howden	oo	oo	c	oo	~~62~~ 62	38	28	-	-	-	-	4·0
Spurn Head	c	c	c	c	54	46	•	-	-	-	-	1·0
Nottingham	c	c	mw		54	41	38	0·1	•	<08·00	-	2·5
Cranwell	rord	oo	imm	mfe	53	40	36	0·2	trace	09·00	-	1·1
Gorleston	oir₀	oir₀	oo	c	55	45	42	1	-	09·00	•	0·0
Pulham	rord	rord	oo	c	56	51	34	1	-	<08·00	•	0·0
Felixstowe	oo	oolmido	r₀	2m	59	50	46	trace	0·2	11·00	1·30	0·0
Valencia (Cahirciveen)	b'bcc	bcc	bobc	bcib	56	46	41	-	-	-	-	5·6
Roches Point	bobc	bobc	b or bc		~~54~~ 46	43	•	-	0·3	-	-	•
Pembroke (St. Ann's H.)	bobc	bobc	bobc	b or bc	58	47	•	-	-	-	-	4·2
Ross-on-Wye	rsidm	oo	ocmbf	FFe	52	39	38	1	0·2	<08·00	-	0·1
Benson	iro d	rord	oo		53	44	46	1	0·1	11·00	<2100	•
S. Farnborough	rord	rord	f or m		63	49	45	0·6	4	12·30	<2100	0·5
London (Kew Obsy.)	ouodom	omodmom	ouor₀	oo	61	49	48	0·1	1	<08·00	2400	0·3
Croydon	oimrmf	roffr₀	efomirdfo	odfmm	67	50	49	1	3	09·00	2200	0·9
Clacton-on-Sea	co	ogmp	ogmp	ogmpc	61	50	48	1	1	09·00	2200	0·0
Shoeburyness	p	rord	rord		63	50	50	0·4	5	09·00	<2100	0·0
Grain	p	rord	rord		63	51 ~~48~~	50	2	0·3	<08·00	1·30	0·2
Lympne	oo	cbcdo	bccoimf	roimm	67	53	44	trace	1	17·30	2·30	4·1
Scilly (St. Mary's)	c	c	c	c	62	50	•	-	-	-	-	0·4
Falmouth	orm	o	oim	oo	60	47	41	0·6	-	11·00	-	0·0
Plymouth	oo	rord	oo	c	62	50	41	4	-	14·30	-	0·0
Portland Bill	p	c	oo	oo	64	54	•	0·5	3	12·30	<2100	•
Calshot	c	p	imir₀	rord	65	52	52	0·4	0·3	12·30	<2100	2·1
Dungeness	oo	c	iRF	irFFzmfm	66	54	•	-	4	-	2400	•
Jersey	obc	bco	b	bodo	68	58	•	-	1	-	-	5·1

ISALLOBARS.



Temperature reported from Cross Channel and Coastal Steamers.

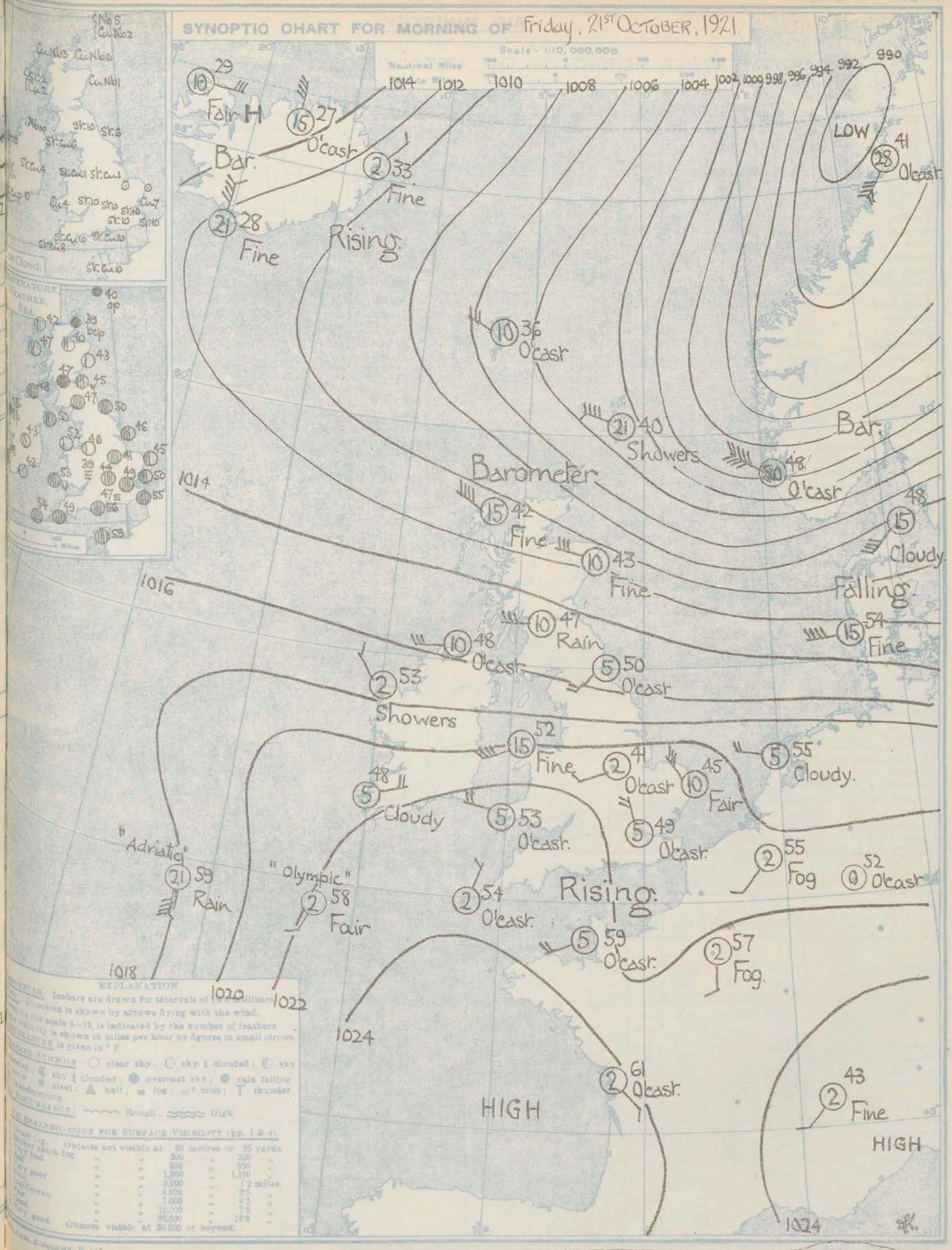
Position Number	3	1	7	6
Date	20th	20th	21st	21st
Time G.M.T.	1000	1120	0325	0357
Sea ° F.	57	62	63	62
Air ° F.	53	63	61	62

GENERAL INFERENCE.

An anticyclone covers the Southern half of England and will maintain dry weather with light winds there during Friday and Saturday. A depression approaching from the Atlantic will soon cause further rain in the West and there is a probability of conditions becoming generally unsettled again.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday 21st October 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light variable wind becoming South-Westerly; mainly fair; some morning mist or fog, day visibility fair to good; moderate temperature but risk of night frost inland.	It is probable that the depression off our Western coasts will cause generally unsettled weather and be followed by Northerly winds and a considerable fall of 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	Moderate Westerly wind backing South-West or South later; mainly fair at first some rain later; visibility fair to good; cool then milder.	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind mainly Northerly; variable sky, some showers perhaps snow or sleet; colder.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind Southerly moderate, freshening later; dull, rain at times; visibility fair; milder.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.45. G. C. SIMPSON, F.R.S., Director.


SYNOPTIC CHART FOR MORNING OF Friday, 21st OCTOBER, 1921.
Scale - 1:10,000,000
Nautical Miles
Fair H
Bar.
Fine
Rising.
O'cast
LOW
O'cast.
Barometer
Fine
Showers
Bar.
O'cast
Fine
Falling.
Cloudy.
Rain
O'cast.
O'cast
Showers
Fine
O'cast
Fair
Cloudy.
Cloudy
O'cast.
O'cast.
"Adriatic"
Rain
"Olympic"
Fair
O'cast.
Rising.
Fog
O'cast
O'cast.
Fog.
HIGH
O'cast.
Fine
HIGH
1014
1012
1010
1008
1006
1004
1002
1000
998
996
994
992
990
1016
1018
1020
1022
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.
Its 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 (DR. 1 & 4).
Very fog. Objects not visible at 50 metres or 55 yards
Darker than thick fog. " " 200 " 220 "
Very thick " " " 500 " 550 "
Thick " " " 1,000 " 1,100 "
Very mist " " " 2,000 " 1½ miles.
Mist " " " 4,000 " 2½ "
Indifferent " " " 7,000 " 4½ "
Good " " " 12,000 " 7½ "
Very good. " " " 30,000 " 18½ "
Objects visible at 30,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Friday, 21st October 1921. No. 294.

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	1000·5	-10	WSW	5	orr	46	97	7	7250	Nb	10	-	10	*
Stornoway	1006·1	-4	WSW	7	PR	*	*	4	*	*	*	*	*	*
Wick	1002·1	-7	SW	4	o/r	45	92	8	-	-	0	A.St	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1011·8	-3	SSW	4	oPR	53	97	7	4000	Nb	9	-	9	*
Renfrew	1013·7	-4	S	4	o	51	88	8	1500	StCu	10	-	10	*
Inchkeith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1016·5	-5	SW	6	b	45	97	8	2500	StCu	1	A.St	3	*
Tynemouth	1017·7	-3	W	1	b	45	55	7	-	-	0	-	0	*
Blacksod Point ...	1016·1	-2	W	5	bc	54	75	8	2500	Cu	6	-	6	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1020·7	-2	SW'W	4	b	45	85	8	4000	Cu	1	-	1	*
Holyhead	1020·8	-1	W'S	3	bc-	*	*	8	-	-	0	ACu	4	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1019·6	-2	SW	2	c	40	94	4	2500	St	4	-	4	*
Spurn Head	1020·4	-1	W	3	o-	44	85	6	4000	StCu	9	-	9	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1021·4	-1	W	2	fbr	43	94	4	-	-	0	A.St	1	*
Gorleston	1020·4	-1	N'W	1	o	50	92	8	-	-	0	A.St	10	*
Pulham	1020·0	0	-	0	o	51	?	6	2500	St	10	-	10	*
Felixstowe	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Valencia (Cahirciveen)	1022·8	0	NE	2	bc	53	65	8	-	CuNb	4	-	4	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St.Ann's H.)	1022·8	-1	N	1	bv	52	92	9	-	-	0	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1021·1	0	-	0	odfo	53	94	3	4150	St	10	-	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1020·2	-1	-	0	o	54	97	6	2500	St	7	ACu	9	*
Scilly (St. Mary's) ...	1023·2	0	NNE	1	c	53	92	8	4000	StCu	4	ACu	4	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1021·9	0	NE	3	o	55	92	8	2500	StCu	10	-	10	*
Portland Bill	1020·6	0	N	2	o	59	85	4	-	-	0	A.St	10	*
Calshot	1021·4	0	-	0	odd	54	94	4	800	Nb	10	-	10	*
Dungeness	1020·4	0	W	1	oR	62	94	2	460	St	10	-	10	*
Jersey 7h. Guernsey 1h. ...	1022·2	0	SW	2	o	59	97	8	5750	StCu	9	-	9	*

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	1003·3	+4	W'N	5	cPR	40	92	8	5750	Nb	7	-	7	+
Stornoway	1010·4	+3	WNW	4	b/r	42	85	6	7250	CuNb	3	-	3	3
Wick	1008·5	+4	NW	4	bcPR	39	92	9	2500	CuNb	6	-	6	3
Castlebay	1014·0	+1	WNW	4	bc/r	47	75	8	5750	St	4	-	4	+
Nairn	1011·5	*	W	2	bc/r	40	85	8	4000	Cu	3	CiCu	5	*
Aberdeen	1012·0	+4	WNW	3	b/r	43	75	8	4000	CuNb	1	-	1	0
Malin Head	1015·5	+4	W	3	o/r	48	94	8	2500	Nb	10	-	10	+
Renfrew	1014·9	+3	W	3	orro	44	85	8	4000	St	9	A.St	10	*
Inchkeith	1011·9	+4	WNW	5	cN	45	75	9	-	StCu	3	ASt	7	+
Eskdalemuir	1014·6	0	SW	6	o+	47	85	8	1500	St	10	-	10	*
Tynemouth	1015·6	-1	SW	2	c	50	85	7	2500	St	6	A.St	8	0
Blacksod Point ...	1017·8	+1	NW	1	oPR	53	92	7	1500	St	10	-	10	1
Donaghadee	1017·3	0	W	3	c+	50	85	8	7250	StCu	6	CiCu	8	2
Birr Castle	1021·3	*	S	1	bc	43	88	8	2500	StCu	4	-	4	*
Baldonnell	1020·5	0	WSW	4	b	48	75	8	2500	StCu	1	ASt	3	*
Holyhead	1020·3	0	WSW	4	bv	52	75	9	4000	StCu	1	Ci	2	3
Liverpool (Bidston) ...	1019·9	-1	SW'S	2	b+	46	75	8	4000	StCu	1	Ci	2	-
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1019·5	0	SSW	3	o	40	92	5	2500	St	5	CiSt	9	2
Spurn Head	1019·7	0	SW	3	bc	46	92	5	1500	St	2	CiCu	6	*
Nottingham	1021·4	*	WSW	1	o+	41	97	4	-	-	0	CiSt	10	*
Cranwell	1021·4	0	W'S	3	FFo	40	94	1	4150	St	10	-	10	*
Gorleston	1020·8	0	NW	3	bc-	45	92	7	-	-	0	CiCu	4	0
Pulham	1021·1	0	W	2	b-	45	94	5	-	-	0	CiSt	3	*
Felixstowe	1021·6	0	NW	3	c	50	92	8	5750	StCu	2	ASt	8	0
Valencia (Cahirciveen)	1021·4	-1	ENE	2	c-	48	85	9	2500	StCu	4	-	4	2
Roches Point	1023·7	0	NNW	1	b	43	92	8	-	-	0	-	0	0
Pembroke (St.Ann's H.)	1022·9	0	WNW	2	ov	53	75	9	4000	Cu	4	CiSt	10	2
Ross-on-Wye	1022·7	+1	SW	1	FFo	39	94	1	4150	St	10	-	10	*
Benson...	1022·6	+3	-	0	o	44	92	5	-	St	10	-	10	*
S. Farnborough ...	1022·5	+1	W	3	fo+	47	94	2	4150	St	10	-	10	*
London (Kew Obsy.) ...	1022·5	+2	NNW	2	o/r	49	92	6	1500	St	10	-	10	*
Croydon	1022·0	+2	NNW	1	o/r	50	94	5	460	St	10	-	10	*
Clacton-on-Sea ...	1021·1	0	N	2	c/r	50	94	4	5750	Cu	4	-	4	0
Shoeburyness	1021·7	0	-	0	o/r	51	85	5	1500	St	10	-	10	*
Grain	1021·7	+1	NW	2	o/r	51	97	6	1500	St	10	-	10	0
Lympne	1021·6	+2	NNW	3	o	53	94	3	225	St	10	-	10	*
Scilly (St. Mary's) ...	1023·5	+1	N'E	1	c	54	85	9	4000	StCu	8	-	8	1
Falmouth	1023·2	+2	-	0	o	49	92	8	2500	StCu	10	-	10	0
Plymouth	1023·2	+2	-	0	o+	49	92	8	4000	StCu	1	CiSt	9	2
Portland Bill	1022·0	+2	N	3	o	56	85	7	1500	StCu	10	-	10	0
Calshot	1023·3	+1	NW	2	o	52	92	4	1500	St	10	-	10	0
Dungeness	1021·0	+1	N	1	o/r	55	94	4	1500	St	10	-	10	2
Jersey 7h. Guernsey 1h. ...	1022·5	0	WSW	2	o/r	59	92	8	4000	StCu	10	-	10	0

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night. °F.	Rainfall.† Night 19th.-9h. mm.	Rainfall.† Day 9h.-17h. 20th. mm.	Sunshine. Sunrise to 17h. 20th. hr.	Sunshine. Sunrise to Sunset. 19th. hr.
Banff	co	co	54	38	-	-	0·7	2·3
Montrose	bc	c	52	35	-	-	0·7	3·8
Llandudno	b,bc	c	57	45	1	-	4·3	1·8
Colwyn Bay ...	bcbcc	c.bc.bc	54	46	1	-	3·0	2·7
Rhyl...	c,bc	c	59	48	1	-	2·1	2·7
Southport	bbc	b.bc	56	43	-	-	4·0	1·7
Blackpool	c	o	56	42	-	-	3·9	0·6
Harrogate	bcb	bc	55	38	0·6	-	4·3	3·2
Skegness	Do	rdo	53	46	5	-	0·1	2·6
Aberystwyth ...	roc	co	58	51	5	-	3·0	2·0
Bath	ro	o	55	52	2	1	0·0	5·0
Leamington Spa ...	o	o	52	46	5	-	0·0	4·4
Lowestoft	op	op	61	51	-	5	0·0	3·3
Felixstowe	om	om	59	55	0·1	-	0·0	2·5
Southend	odo	co	62	55	0·2	0·1	0·7	4·4
Paignton	omop	op	61	55	0·3	1	0·0	5·8
Ilfracombe	c	bc	57	54	3	-	0·0	0·0
Bude	b	c	59	54	2	-	0·4	7·3
Penzance	o.rc	o.c	60	55	3	0·3	0·1	8·0
Torquay	op	op	60	57	0·2	0·8	0·0	0·0
Weymouth	cpc	c	65	59	4	3	1·0	2·0
Bournemouth ...	cr	cro	63	57	2	6	0·8	1·9
Portsmouth (S'thsea)	b	c	65	57	2	3	1·9	4·5
Worthing	ro	pc	65	60	1	3	1·3	2·6
Brighton	op	oc	65	62	Trace	Trace	2·8	1·2
Eastbourne ...	oc	bc	67	60	-	-	4·4	2·9
Hastings	wobcc	cbcc	65	59	Trace	-	3·2	1·6
Folkestone	oo	co	66	51	-	-	3·8	3·7
Tunbridge Wells ...	op	bcop	63	56	3	15	0·5	2·0
Ramsgate								3·5
Margate	orhr	or	64	56	-	11	0·0	6·3
Deal	op	cp.	68	53	-	Trace	1·7	

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.21884. Saturday 22nd October 1921. Page 1.

Observations at 1300 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	1006·	+3	NW	4	c/r₀	43	85	8	7250	CuNb	8	-	8	*
Stornoway	1013·0	+3	NW	4	bcpr₀	48	65	6	7250	CuNb	4	-	4	*
Wick	1011·0	-1	W	4	bc/r	46	75	9	2500	CuNb	5	-	5	*
Castlebay	1016·2	+1	WSW	3	o	49	65	8	5750	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1014·2	+1	W	3	b	50	55	9	4000	Cu	1	CiSt	2	*
Malin Head	1016·7	+2	W	3	o/r	47	97	8	4000	Nb	10	-	10	*
Renfrew	1016·6	+1	W	3	c	51	65	8	2500	StCu	6	A.St	8	*
Inchkeith	1015·4	+3	WNW	4	cv	51	65	9	-	StCu	7	-	7	*
Eskdalemuir	1017·2	+1	WSW	4	o	49	85	8	1500	StCu	10	-	10	*
Tynemouth	1016·9	+1	W	2	opr₀	52	94	4	1500	CuNb	10	-	10	*
Blacksod Point	1017·5	-1	NNW	1	orr₀	52	97	6	450	St	10	-	10	*
Donaghadee	1017·7	+1	W	3	o	53	85	8	5750	StCu	10	-	10	*
Birr Castle	1020·0	*	SW	2	c+	59	75	8	4000	Cu	3	CiCu	7	*
Baldonnell	1019·8	-1	SW'W	4	o+	57	65	9	2500	StCu	5	A.Cu	9	*
Holyhead	1020·4	o	WSW	5	bcv	58	75	9	4000	StCu	2	ACu	4	*
Liverpool (Bidston)	1019·9	-1	W'S	4	b	56	65	8	4000	StCu	1	CiSt	2	*
Manchester (Alex.Pk.)														*
Howden	1018·9	o	W'S	5	c-	58	65	5	2500	StCu	2	Ci	7	*
Spurn Head	1018·8	o	WSW	4	bc-	57	65	7	2500	St	4	CiCu	5	*
Nottingham	1020·3	*	SW	3	b-	57	65	6	-	-	0	Ci	3	*
Cranwell	1020·9	o	W'S	4	o	56	65	7	-	-	0	Ci	9	*
Gorleston	1020·6	o	WNW	3	bc	55	65	8	-	-	0	CiCu	4	*
Pulham	1020·8	o	WSW	2	bc	54	75	7	4000	St	2	CiSt	6	*
Felixstowe	1021·6	-1	NW'W	3	bc	56	65	8	-	-	0	CiSt	5	*
Valencia (Cahirciveen)	1020·7	-2	S'W	4	o+	57	75	8	1500	StCu	6	A St	10	*
Roches Point	1022·8	-1	SW	2	o	55	85	8	2500	StCu	10	-	10	*
Pembroke (St. Ann's H.)	1022·8	-1	W	3	c+	55	85	9	4000	Cu	8	-	8	*
Ross-on-Wye	1021·9	-1	W'S	3	bcv	58	65	9	4000	StCu	3	Ci	5	*
Benson	1021·1	-2	NW	1	b-	55	65	9	-	Cu	1	Ci	3	*
S. Farnborough	1022·4	o	W'N	2	o	58	65	8	4000	Cu	1	ACu	9	*
London (Kew Obsy.)	1022·1	-1	W	2	bc+	56	65	8	-	-	0	CiCu	8	*
Croydon	1022·3	-1	W	2	o+	56	65	7	4000	Cu	1	CiSt	9	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1021·8	-1	NNW	1	c-	57	55	8	-	-	0	ACu	7	*
Grain	1021·9	-1	WNW	3	c-	57	55	7	-	-	-	A.St	7	*
Lympne	1022·0	-1	NW	3	o	55	75	6	800	St	1	CiSt	9	*
Scilly (St. Mary's)	1022·8	-1	SE	2	bc	60	75	9	-	-	0	CiCu	4	*
Falmouth	1023·9	o	W	2	cv	58	75	9	4000	Cu	5	ACu	7	*
Plymouth	1023·3	-1	SW	3	bc	58	75	9	2500	StCu	6	-	6	*
Portland Bill	1023·5	-2	NW	2	bc-	59	85	8	-	-	0	CiCu	4	*
Calshot	1022·6	-2	NbN	3	c-	57	65	8	-	-	0	Ci	8	*
Dungeness	1021·9	+1	N	1	bc	59	75	6	-	-	0	ACu	5	*
Jersey	1023·2	o	NE	3	o	62	75	8	4000	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	1010·4	+5	WNW	4	bc	41	75	7	7250	Cu	5	-	5	3
Stornoway	1015·5	+4	NNW	2	b/r	41	75	6	4000	Cu	3	-	3	1
Wick	1013·6	+4	WNW	2	bcPR-	39	92	9	2500	CuNb	5	-	5	o
Castlebay	1016·6	o	-	0	c+	44	85	8	4000	CuNb	3	A.St.	7	2
Nairn	1015·8	*	W	1	bc+	42	85	8	4000	CuNb	5	-	5	*
Aberdeen	1016·4	+2	W'N	1	b-	42	75	8	-	-	-	CiCu	1	o
Malin Head	1017·4	-1	SE	1	or₀	45	97	6	1500	Nb	10	-	10	3
Renfrew	1017·4	o	WSW	2	o	47	75	8	-	-	-	A.St	10	*
Inchkeith	1016·6	+3	WNW	3	or	48	75	9	-	St	9	-	9	2
Eskdalemuir	1018·1	o	W	1	or₀	44	85	8	1500	Nb	10	-	10	*
Tynemouth	1017·4	+1	W	2	or₀r₀	50	85	5	5750	Nb	10	-	10	o
Blacksod Point	1014·1	-3	-	0	orr	55	92	5	460	St	10	-	10	1
Donaghadee	1018·2	+1	N	2	odd₀	47	85	8	800	St	10	-	10	1
Birr Castle	1017·9	*	S	1	or₀+	53	92	6	800	Nb	10	-	10	*
Baldonnell	1018·6	-1	SSW	4	o	53	75	8	5750	StCu	3	A.St.	10	*
Holyhead	1018·9	-1	SW	4	o	55	85	9	4000	StCu	8	A.St	10	3.
Liverpool (Bidston)	1018·7	-1	SW	3	bc+	51	85	8	2500	StCu	3	A.Cu	6	3
Manchester (Alex.Pk.)														*
Howden	1018·9	+1	SW	2	c	49	75	5	4000	StCu	6	A.Cu	8	*
Spurn Head	1018·7	o	W	2	bc	53	85	7	1500	St.	3	CiCu	4	3.
Nottingham	1020·1	*	W	1	bc	50	85	5	-	-	-	A.Cu	4	*
Cranwell	1020·5	o	SW'W	3	c	49	85	8	-	-	-	A.St	8	*
Gorleston	1020·7	o	W'S	2	bc-	50	85	8	-	-	-	CiCu	4	o
Pulham	1021·1	o	-	0	bc-	46	92	6	4000	St	2	CiSt	4	*
Felixstowe	1021·4	o	W'S	2	bc	54	65	8	-	-	-	CiSt	6	o
Valencia (Cahirciveen)	1017·8	-4	S	4	o	55	85	9	1500	St.	2	A.St	10	4
Roches Point	1020·9	-2	SW	3	o	56	75	8	4000	StCu	10	-	10	3
Pembroke (St. Ann's H.)	1021·7	o	W	3	cv	55	75	9	4000	Cu	8	-	8	3
Ross-on-Wye	1021·3	o	WSW	2	bc-	51	85	9	4000	StCu	5	Ci	6	*
Benson	1021·7	o	WSW	1	o+	49	85	7	-	StCu	10	-	10	*
S. Farnborough	1022·1	+1	-	0	o	48	85	8	4000	StCu	10	-	10	*
London (Kew Obsy.)	1021·9	o	NW	1	o	51	75	6	4000	StCu	10	-	10	*
Croydon	1021·8	o	WSW	1	o	48	85	6	-	-	-	Ci	9	*
Clacton-on-Sea	1021·2	o	WNW	2	bc	51	75	8	-	-	-	A.St	5	o
Shoeburyness	1021·0	-1	-	0	mbc	51	85	6	-	-	-	CiSt	6	*
Grain	1021·6	o	-	0	c	47	85	8	-	-	-	Ci	8	o
Lympne	1021·7	o	WNW	1	c-	51	85	6	2500	St.	5	Ci	7	*
Scilly (St. Mary's)	1022·1	-1	SW'S	2	c	58	85	9	4000	CuNb	4	CiCu	7	1
Falmouth	1022·3	-1	SW	3	c+	55	85	8	-	StCu	7	A.Cu	8	*
Plymouth	1022·4	o	W	3	o+	57	85	8	2500	StCu	9	A.St	10	*
Portland Bill	1022·7	-2	W	3	bc+	~~68~~ 58	86	8	-	CuNb	6	-	6	2
Calshot	1022·0	o	WSW	2	o+	53	75	8	-	-	-	A.Cu	10	o
Dungeness	1021·2	-1	NW	2	b	53	86	7	4000	Cu	2	-	2	3
Jersey	1022·4	o	NE	1	b	56	85	8	-	-	-	-	0	o

London Observations. (Weather, Temperature, Rainfall: 24 Hours ended 0900 G.M.T. 22nd; 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 (24 hours ended 0700)	bbbcc omam⊙	cbcyo oim≡o	obmbc oimboim	*	*	39	-	0·1	6·2	*	*
Croydon (24 hours ended 0700)				*	*	41	-	-	4·7	*	*
Greenwich (Royal Obsy.)	o	bbc	b.bcb	58	45	33	-	-	2·9	60	74
City (Bunhill Row)	*	*	*	*	*	*	*	*	2·9	*	*
Westminster (St. James' Pk.)	*	*	*	59	47	39	-	0·2	4·8	65	75
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	*	*	*
Camden Sq. (Brit. Rainfall)	b	bc	*	59	47	44	-	tr	*	57	75
Kensington Palace	cbc	c	*	59	48	38	-	0·3	*	69 (18h)	81
Hampstead Observatory	b	bp	bp	57	46	35	-	tr	6·2	*	86

Atmospheric Pollution. Lbs. of Solid impurity per million cubic yards. 24 Hr. ended 1600 G.M.T. 21st

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.
1·0	18 hr. 20th	0·2	15 hr. 21st
0·6	7 hr. 21st		

Solar Radiation. Vertical component per square centimetre. During yesterday.

South Kensington.
Total .... joules
Average Rate .... Milliwatts.
Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 21st 18 h. 9 m. to 22nd 5 h. 30 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	11·30	3·35	31
δ Ursae Minoris	11·30	2·48	24

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 22nd & 23rd October 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·32 6·34	11·35 11·37	4·48 4·40
Greenwich	6·38 6·39	11·45 11·44	4·52 4·49
Wick	7·6 7·8	11·51 11·56	4·48 4·45
Valencia	7·19 7·21	12·26 12·25	5·32 5·30

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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 ₀ 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

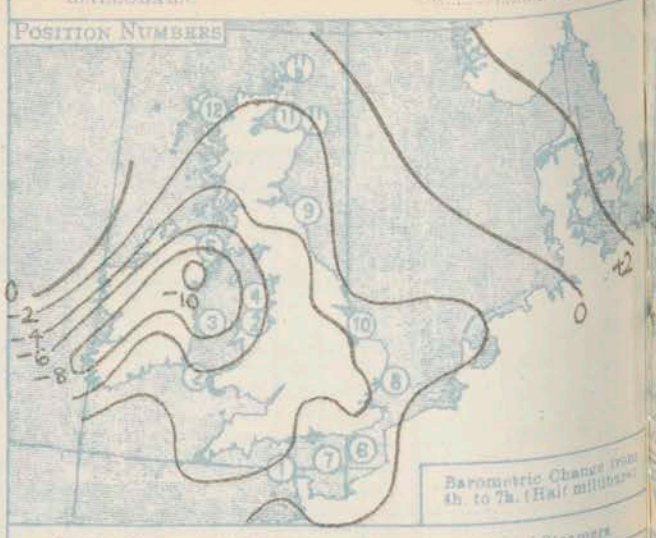
* Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS

STATIONS.	WEATHER. 7h.-13h. 21st	13h.-18h. 21st	18h.-21st to 1h. 22nd	1h.-7h. 22nd	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL. Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. Hours.
Lerwick	p	bobcp	p	p	45	35	•	trace	4	<0800	<2100	•
Stornoway	p	p	bobc	oo	48	33	•	1	-	-	-	2·2
Wick	bcR	bcpq	bobc	bobc	47	30	•	5	-	<08·00	-	•
Castlebay	bco	obc	co obc		49	44	•	-	-	-	-	1·0
Nairn		bobc	c		47	33	•	-	-	-	-	7·5
Aberdeen	bobc	bvb	bimco		51	37	27	-	-	-	-	6·6
Malin Head	ir	r₀	orr	R	54	42	1	3	16	<08·00	<2100	0·0
Renfrew	oc	oo	or₀rr	rord	54	36	36	-	15	-	2100	•
Inchkeith	c	oo	r or d		51	40	39	-	10	-	2200	•
Eskdalemuir	ir₀oco	orr₀o	rord	rRR	50	34	34	2	20	<08·00	<2100	0·4
Tynemouth	imp₀	rordm	imr₀r₀	imrr	54	43	•	1	8	<08·00	<2100	•
Blacksod Point	rord	rord	iR	oo	59	50	•	23	33	<08·00	<2100	•
Donaghadee	cmq	odd	rr	rr	55	47	•	3	27	12·30	<2100	•
Birr Castle	c	cr₀r₀	c	cro	59	51	49	0·5	5	1530	<2100	4·6
Baldonnell	bcor	oo	oor₀imim	oorr	59	51	47	-	6	-	2200	5·0
Holyhead	b.bcr	bco	c	orrR	59	53	51	-	9	-	400	6·7
Liverpool (Bidston)	bobc	bobc	r or d		58	46	37	-	4	-	5·30	8·4
Manchester (Alex.Pk.)												•
Howden	oo	c	oo	oo	59	45	34	-	1	-	6·30	6·3
Spurn Head	c	bobc	c	c	58	49	•	-	-	-	-	7·4
Nottingham	bobc	bobc	ir₀		58	45	41	-	0·1	-	2400	7·0
Cranwell	c	c	c	p	56	46	40	•	0·2	-	3·30	6·7
Gorleston	bobc	bobc	bobc	rord	57	45	41	-	trace	-	5·30	8·0
Pulham	c	c	c	oo	56	42	31	-	trace	-	5·30	5·1
Felixstowe	bobc	bobc	oo		58	48	44	-	•	-	-	6·3
Valencia (Cahirciveen)	co	oir₀o	oco	rrr₀	58	54	52	2	8	14·30	3·30	0·0
Roches Point	c	p	r or d		57	56	•	0·4	2	15·30	<2100	•
Pembroke (St.Ann's H.)	c	c	oir	ir	57	55	•	-	2	-	<2100	2·0
Ross-on-Wye	mbmbcr	bcrcobc	bc bbco	op	58	47	39	0·1	0·5	-	4·30	5·8
Benson	c	bobc	cr₀		56	43	36	-	0·2	-	3·30	•
S. Farnborough	bobc	oo	c		59	?	36	•	-	-	-	6·6
London (Kew Obsy.)	obbcc	cbcyo	obmbcbcopo		57	47 ~~48~~	39	-	0·1	-	4·30	6·2
Croydon	omcmD	omr12o	oimboim	oimo	56	46	41	-	-	-	-	~~4·4~~ 5·0
Clacton-on-Sea	c	bc	bcc	cogp	56	46	40	-	0·2	-	6·30	6·3
Shoeburyness	c	c	c		58	44	36	-	trace	-	-	2·1
Grain	oo	c	oo		58	44	35	-	-	-	-	1·9
Lympne	form	ocoltrv	cbcim	coim	57	44	30	-	-	-	-	2·7
Scilly (St. Mary's)	bobc	c	c	p	60	57	•	-	0·3	-	6·30	5·0
Falmouth	cv	co	oc	op	61	53	50	-	2	-	4·30	3·6
Plymouth	c	c	oo	rord	59	57	?	-	2	-	-	6·3
Portland Bill	bobc	c	c	bobc	60	55	•	-	-	-	-	•
Calshot	c	c	c	c	59	47	46	-	-	-	-	7·0
Dungeness	c	bobc	bobc	bobc	60	45	•	-	-	-	-	•
Jersey	oco	ocq	bcbw	bcbwb	63	47	•	-	-	-	-	0·9

ISALLOBARS. 22nd October, 1921.

POSITION NUMBERS



Temperature reported from Cross Channel and Coastal Steamers.

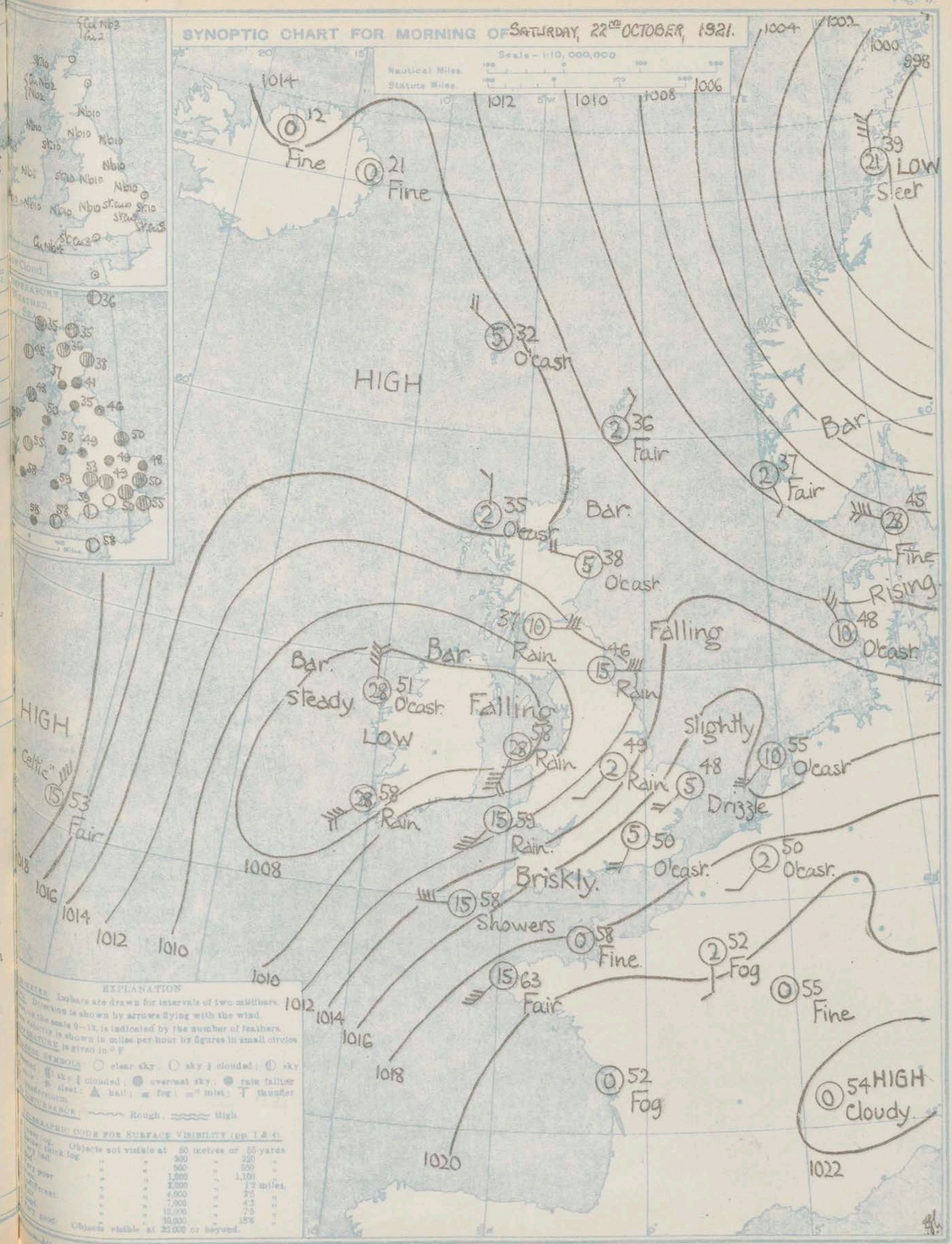
Position Number	3	7	6
Date	21st	22nd	22nd
Time G.M.T.	1000	0125	0300
Sea °F	57	63	60
Air °F	57	59	56

GENERAL INFERENCE.

A deep depression over Ireland is moving Eastward and will cause much rain and strong winds in nearly all parts of the Kingdom. This disturbance will be followed by colder weather temporarily with Northerly winds.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday 22nd. October 1921.	Farther Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind S.W., fresh to strong, a gale in places, veering NW. or N; dull, some rain; visibility mainly good; becoming colder.	A large anticyclone is following in the rear of the disturbance now over the Kingdom and a spell of fair but rather cold weather seems probable.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Wind W. to N, strong, a gale in places, rainy at first fairer later; visibility mainly good; colder.	
8. N.W. England 9. N. Midlands	Southerly wind changing to Northerly, strong to a gale; much rain at first, fairer later; visibility good; colder.	
10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind between East and North, fresh to strong; dull, some rain, fairer later; visibility fair to good; colder.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind Northerly or variable, light to moderate; fair to cloudy, local showers; visibility fair to good; cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Northerly winds fresh to strong; some rain early, then fairer; visibility good; colder.	

E/18


SYNOPTIC CHART FOR MORNING OF SATURDAY, 22nd OCTOBER, 1921.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
HIGH
LOW
Bar.
Fine
Fair
O'cast
Rain
Falling
Steady
Slightly
Drizzle
Briskly.
Showers
Fog
Cloudy
Rising
Steer
Celtic
EXPLANATION

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION..Saturday....22nd October.....1921. No. 295.

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	1013.5	+4	WNW	4	bpr	38	97	8	5750	CuNb	3	-	3	*
Stornoway	1017.9	+2	-	0	b-	*	*	7	*	*	*	*	*	*
Wick	1015.6	+1	W	2	b	34	85	9	5750	Cu	3	-	3	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1012.3	-6	E	3	ORR	45	97	6	2500	Nb	10	-	10	*
Renfrew	1016.5	-2	E	1	orr	43	97	7	1500	Nb	10	-	10	*
Inchkeith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1017.0	-2	NNE	2	orr	39	92	6	1500	Nb	10	-	10	*
Tynemouth	1017.2	-2	W	1	or	43	97	6	4000	Nb	10	-	10	*
Blacksod Point ...	1007.3	-7	SW'S	5	OR	56	97	6	800	St	10	-	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1014.0	-7	SW'S	5	or	52	85	7	2500	St	10	-	10	*
Holyhead	1012.8	-4	SW	4	O	*	*	8	4000	StCu	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex. Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1016.9	-2	S'W	1	O+	47	92	5	2500	St	7	ACu	10	*
Spurn Head	1017.4	-1	WSW	3	O+	50	92	7	2500	St	9	-	9	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1018.5	-3	WSW	3	O	48	85	6	5750	St	2	A.St	10	*
Gorleston	1018.9	-1	W	2	O+	45	92	8	5750	StCu	10	-	10	*
Pulham	1018.8	-2	-	0	O	46	92	5	4000	StCu	10	-	10	*
Felixstowe	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Valencia (Cahirciveen)	1011.6	-5	SW	1	bc	58	97	7	-	CuNb	6	-	6	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1017.4	-3	SW	4	orr	57	97	8	1500	Nb	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	49	*	*	*	*	*	*	*	*
Croydon	1020.5	-2	SSW	2	O	49	85	7	4000	StCu	9	ACu	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1020.4	-2	-	O	C	44	92	7	-	-	O	ACu	7	*
Scilly (St. Mary's) ...	1019.6	-2	S'E	2	C	58	92	8	4000	StCu	6	ASt	8	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1020.3	-2	SSW	4	O	59	85	8	2500	StCu	10	-	10	*
Portland Bill	1022.7	0	WSW	3	O+	57	85	8	1500	?	?	?	?	*
Calshot	1020.7	-2	-	O	O-	51	85	8	-	-	O	ASt	10	*
Dungeness 1020.9.		-1	NW	2	b-	46	92	8	-	-	O	CiCu	2	*
Jersey 7h / Guernsey 1h	1022.6	-1	SSW	3	C	49	92	8	-	-	O	CiCu	8	*

Observations at 0700 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	1010.3	0	NNE	1	bc-	36	97	8	7250	CuNb	5	-	5	0
Stornoway	1014.5	-1	N	1	O	35	85	7	800	St	10	-	10	0
Wick	1014.0	-2	SW	2	O+	35	85	9	-	-	0	ASt	9	0
Castlebay	1012.8	-1	NE	4	bc	45	75	8	4000	CuNb	4	-	4	3
Nairn	1014.1	*	-	0	O	36	97	8	1500	St	9	-	9	*
Aberdeen	1014.1	-3	WNW	2	O+	38	85	8	-	-	0	ASt	10	0
Malin Head	1008.3	-2	E	4	O/r	43	97	8	1500	Nb	10	-	10	8
Renfrew	1011.9	-5	E	3	orr	37	97	6	800	Nb	10	-	10	.
Inchkeith	1012.3	-3	SE	3	orr	41	97	7	-	Nb	10	-	10	3
Eskdalemuir	1011.4	-6	NNE	2	or+	35	97	6	1500	Nb	10	-	10	*
Tynemouth	1011.7	-4	E	4	orr	46	97	7	4000	Nb	10	-	10	3
Blacksod Point ...	1007.4	0	N	6	O-	51	75	7	450	St	10	-	10	3
Donaghadee	1007.1	-10	WSW	1	ORR	50	97	7	800	St	10	-	10	0
Birr Castle	1006.7	*	SW	2	C-	55	97	6	2500	Nb	8	-	8	*
Baldonnell	1007.0	-6	SW	4	O	55	92	8	800	St	7	ASt	10	*
Holyhead	1007.3	-9	SSW	5	or	58	97	7	800	St	10	-	10	3
Liverpool (Bidston) ...	1009.6	-7	SE	1	orr	49	97	6	800	Nb	10	-	10	0
Manchester (Alex. Pk.)														*
Howden	1012.0	-2	S'E	3	orr	47	97	5	1500	Nb	10	-	10	*
Spurn Head	1014.0	-2	SSW	2	O+	50	92	7	2500	St	1	ASt	10	2
Nottingham	1013.5	*	SW	1	or	49	92	6	4000	Nb	10	-	10	*
Cranwell	1014.3	-5	SSW	3	opr	48	92	7	1500	Nb	7	ASt	10	*
Gorleston	1017.0	-2	SW'W	2	od	48	85	7	-	-	0	ASt	10	0
Pulham	1015.5	-3	-	0	O-	46	92	6	-	-	0	ACu	10	*
Felixstowe	1017.6	-4	SW	3	O	51	85	7	7250	StCu	7	ASt	10	0
Valencia (Cahirciveen)	1007.3	-8	SW	6	orr	58	92	7	800	Nb	10	-	10	+
Roches Point	1011.4	-4	SW	4	or	58	85	8	1500	Nb	10	-	10	3
Pembroke (St. Ann's H.)	1011.8	-5	SW	4	or	59	92	8	1500	Nb	10	-	10	3
Ross-on-Wye	1013.5	-4	SW'S	4	O/r	53	92	8	2500	Nb	10	-	10	*
Benson	1015.6	-5	SSW	3	O	49	92	8	-	StCu	10	-	10	*
S. Farnborough ...	1017.3	-2	-	0	O	51	92	8	-	-	0	ACu	10	*
London (Kew Obsy.) ...	1016.7	-4	SSW	2	O/r	50	85	7	4000	StCu	7	ACu	10	*
Croydon	1017.8	-3	S'W	3	O	50	85	8	5750	StCu	2	ASt	10	0
Clacton-on-Sea ...	1016.5	-5	WSW	2	O/r	50	92	7	1500	St	10	-	9	*
Shoeburyness	1016.9	-5	SW	1	O	52	85	7	2500	StCu	8	aCu	9	0
Grain	1016.7	-2	SW	1	O	52	75	8	7250	StCu	9	-	9	*
Lympne	1016.5	-4	WSW	2	O	50	85	8	5750	StCu	8	ASt	10	*
Scilly (St. Mary's) ...	1015.0	-3	W	4	bcpr	58	92	9	4000	CuNb	4	CiCu	5	4
Falmouth	1014.8	-5	SW	3	bc	58	92	8	1500	StCu	3	ACu	4	*
Plymouth	1014.9	-5	SW	5	or+	59	97	6	800	Nb	10	-	10	0
Portland Bill	1016.8	-6	SW	4	b-	59	85	8	-	-	0	ACu	3	3
Calshot	1016.7	-5	SSW	2	C-	57	85	8	4000	Cu	1	CiCu	7	0
Dungeness	1017.3	-3	SW	3	C+	55	85	8	-	-	0	ACu	7	3
Jersey 7h / Guernsey 1h	1018.0	-2	-	0	b	58	85	8	-	-	0	Ci	3	0

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 20th-21st mm.	Rainfall.† Day 9h.-17h. 21st mm.	Sunshine. Sunrise to 17h. 21st hr.	Sunshine. Sunrise to Sunset. 20th hr.
Banff	bh	pb	50	41	1	0.6	7.5	0.7
Montrose	bc	bcc	52	44	-	-	5.0	0.7
Llandudno	b	bcc	58	39	-	-	8.1	4.3
Colwyn Bay ...	b	b	58	45	-	-	7.9	3.0
Rhyl	bq	bc	60	37	-	-	9.0	2.1
Southport	bbcc	cbcco	59	45	-	-	4.9	4.0
Blackpool	c	o	60	47	-	-	2.8	3.9
Harrogate	bbc	bcc	55	38	-	-	4.7	4.3
Skegness	owcb	bcb	58	46	-	-	5.2	0.1
Aberystwyth ...	cbb	cco	57	39	-	-	6.0	3.0
Bath	b	bbcc	58	45	-	-	6.5	0.0
Leamington Spa ...	b	e	57	40	-	-	6.4	0.0
Lowestoft	bccbc	bc	57	45	0.1	-	7.5	0.0
Felixstowe	o	bc	58	48	0.5	-	6.5	0.0
Southend	o	oc	60	49	5	-	2.5	0.7

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 20th-21st mm.	Rainfall.† Day 9h.-17h. 21st mm.	Sunshine. Sunrise to 17h. 21st hr.	Sunshine. Sunrise to Sunset. 20th hr.
Paignton	bbc	b	62	48	2	-	7.3	0.0
Ilfracombe	cbcc	ocbc	57	48	-	-	1.9	0.0
Bude	bbcc	cbc	59	41	-	-	6.3	0.3
Penzance	bc	bc	62	49	-	-	3.9	0.1
Torquay	bbc	bc	62	50	3	-	6.7	0.0
Weymouth	cbc	bcc	63	51	0.3	-	8.1	1.0
Bournemouth ...	b	b	58	50	1	-	8.0	0.4
Portsmouth (S'thsea)	bc	b	57	47	1	-	6.8	1.9
Worthing	obc	bcb	56	52	5	-	4.0	1.3
Brighton	occb	cb	58	53	2	-	4.1	2.8
Eastbourne ...	obcb	bccbc	60	54	2	-	3.3	4.4
Hastings	ocbc	bcc	60	54	2	-	3.8	3.2
Folkestone	c	c	62	54	0.8	-	2.7	3.0
Tunbridge Wells ...	cobc	bcb	59	51	4	-	3.1	0.5
Ramsgate	bc	bc	62	51	4	-	3.5	0.0
Margate	oc	co	61	51	3	-	1.1	0.0
Deal	oc	bc	57	53	8	-	2.8	1.7

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 21885 Sunday 23rd October 1921.

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	Sea. 0-9
Lerwick	1013.6	-1	NE	2	c+	41	85	7	7250	Cu	8	-	8	*
Stornoway	1013.0	-2	N	4	bc-	44	65	7	4000	Cu	2	Ci	6	*
Wick	1011.0	-3	NW	2	o⊕	43	75	9	2500	Cu.Nb	3	Ci.St	10	*
Castlebay	1012.8	0	NNW	4	oph$_0$	42	85	8	2500	Cu.Nb	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1010.4	-4	N	2	or$_0$r$_0$	40	92	8	-	Nb	10	-	10	*
Malin Head	1008.9	0	ENE	3	cv	45	92	9	4000	Cu	8	-	8	*
Renfrew	1008.3	-4	NE	3	or$_0$r$_0$	39	92	7	800	Nb	10	-	10	*
Inchkeith	1005.9	-8	ENE	4	orr	40	97	7	-	Nb	10	-	10	*
Eskdalemuir	1004.6	-7	NNE	5	orsrs	34	97	6	1500	Nb	10	-	10	*
Tynemouth	1003.6	-6	S	2	oRR	50	97	5	4000	Nb	10	-	10	*
Blacksod Point	1011.1	+4	N	4	c-	51	65	8	5750	St.Cu	8	-	8	*
Donaghadee	1005.9	-1	NNE	4	or$_0$	48	92	8	800	St	10	-	10	*
Birr Castle	1007.8	*	NW	3	or-	46	97	6	800	Nb	10	-	10	*
Baldonnell	1005.8	+1	NNW	4	o	47	92	7	450	St	10	-	10	*
Holyhead	1002.4	-5	WSW	6	orr	56	97	?6	800	Nb	10	-	10	*
Liverpool (Bidston)	1002.0	-7	SSW	2	oRR	54	92	6	800	Nb	10	-	10	*
Manchester (Alex.Pk.)														
Howden	1002.9	-9	S'W	8 4	or$_0$r$_0$	53	97	5	2500	Nb	10	-	10	*
Spurn Head	1004.4	-9	S	6	opr$_0$	54	97	7	4000	Cu	2	A.St	9	*
Nottingham	1004.6	*	SW	3	or-	56	92	6	2500	Nb	10	-	10	*
Cranwell	1006.2	-8	SW'S	5	o/r	56	92	8	800	St.Cu	10	-	10	*
Gorleston	1004.3	-6	SW	4	opr$_0$	59	75	8	4000	Cu.Nb	10	-	10	*
Pulham	1008.7	-5	S'W	5	o/r	69	75	6	7250	St.Cu	7	A.St	10	*
Felixstowe	1011.2	-8	SSW	5	o+	61	75	9	2500	St.Cu	7	A.St	9	*
Valencia (Cahirciveen)	1012.0	+6	NW	6	bc+	55	65	9	2500	St.Cu	6	-	6	*
Roches Point	1008.4	+1	WNW	5	c/r	55	85	8	2500	St.Cu	7	-	7	*
Pembroke (St.Ann's H.)	1005.9	+6	SW	7	oPR+	58	97	7	1500	Nb	10	-	10	*
Ross-on-Wye	1006.4	-9	WSW	6	od$_0$	60	75	8	2500	Nb	10	-	10	*
Benson	1008.2	-8	SW	4	bc+	61	85	8	-	Cu	4	Ci	5	*
S. Farnborough	1009.3	-8	SW'W	5	o/r	62	85	8	2500	Cu	8	Ci	9	*
London (Kew Obsy.)	1009.0	-9	SSW	4	o-	59	85	7	1500	Nb	4	A.Cu	9	*
Croydon	1010.4	-9	SSW	5	or$_0$r$_0$	57	97	7	450	Nb	7	A.St	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1010.2	-9	SW	6	od$_0$	61	75	8	1500	St.Cu	8	A.Cu	9	*
Grain	1009.9	-10	SSW	5	ov	61	65	9	5750	St.Cu	9	A.St	10	*
Lympne	1012.0	-8	SSW	6	o	59	75	8	2500	St	9	A.St	10	*
Scilly (St. Mary's)	1012.1	-3	WSW	5	c+	61	85	8	1500	St	8	-	8	*
Falmouth	1011.8	-5	WSW	6	c	62	75	8	2500	St.Cu	5	A.Cu	7	*
Plymouth	1011.1	-4	SW	6	c-	61	85	8	1500	St.Cu	6	A.Cu	7	*
Portland Bill	1011.1	-6	SW	6	bc	61	85	8	-	-	0	Ci.Cu	5	*
Calshot	1010.5	-7	SW	5	o/r	62	85	9	1500	Cu	2	Ci.St	9	*
Dungeness	1012.6	-6	SW	5	c+	61	85	9	4000	Cu	8	-	8	*
Jersey	1014.0	-2	SW	3	b	65	65	8	-	-	0	-	0	*

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	1011.9	-1	NE	3	bc	40	92	8	-	-	0	A.St	5	2
Stornoway	1012.0	0	N	3	bc	39	75	7	5750	Cu	3	A.Cu	6	1
Wick	1008.6	-2	WNW	2	o+	37	97	9	2500	Cu.Nb	10	-	10	0
Castlebay	?1012.8	0	N	2	bc+	43	75 (76)	9	5750	Cu	4	-	4	3
Nairn	1009.5	2	N	2	c+	40	85	8	1500	St	8	-	8	*
Aberdeen	1008.1	-2	NW'N	2	o/r	39	92	8	-	Nb	10	-	10	0
Malin Head	1011.8	+4	NE	4	bcv	46	75	9	4000	Cu	4	-	4	5
Renfrew	1009.2	+3	WNW	2	o/r	41	85	8	1600	St.Cu	6	A.St	10	*
Inchkeith	1005.6	+2	NE	5	or	40	85	9	-	Nb	10	-	10	5
Eskdalemuir	1005.2	+3	N'E	5	or-	37	97	6	800	Nb	10	-	10	*
Tynemouth	997.6	-4	NE	7	oRR	46	97	5	4000	Nb	10	-	10	7
Blacksod Point	1013.9	+5	N	3	bc+	50	75	8	-	Cu.Nb	5	-	5	3
Donaghadee	1009.8	+3	ENE	5	cr	45	85	8	4000	Cu.Nb	8	-	8	7
Birr Castle	1013.1	*	NW	2	bc-	43	85	7	-	-	0	A.Cu	4	*
Baldonnell	1011.1	+6	NW'N	4	o	44	75	8	1500	St.Cu	10	-	10	*
Holyhead	?	+4	NW'N	7	o	49	85	8	800	Nb	10	-	10	6
Liverpool (Bidston)	1001.9	+4	WNW	7	o/r	47	85	7	1500	Nb	10	-	10	6
Manchester (Alex.Pk.)														*
Howden	996.2	-8	W'S	4	o/r	53	97	5	2500	St	10	-	10	*
Spurn Head	995.0	-9	W	6	oPR-	53	97	9	7250	Cu.Nb	4	A.St	9	4
Nottingham	999.2	*	W	3	o	53	85	5	1500	Cu.Nb	10	-	10	*
Cranwell	998.0	-7	W	4	o/r	54	97	8	800	St.Cu	9	-	9	*
Gorleston	1001.3	-7	SW	5	c+	57	85	8	-	-	0	A.St	7	5
Pulham	1000.4	-9	SSW	5	or$_0$+	58	85	6	2500	Nb	10	-	10	*
Felixstowe	1002.7 (4)	-7	SSW	5	bv	59	85 (8)	9	2500	St.Cu	2	A.St	3	4
Valencia (Cahirciveen)	1017.5	+7	NNW	5	b	51	75	9	2500	St.Cu	2	Ci.Cu	3	4
Roches Point	1013.7	+7	N	5	b-	49	75	8	-	-	0	A.Cu	1	3
Pembroke (St.Ann's H.)	1007.9	+3	NW	6	o/r	52	92	8	1500	Nb	10	-	10	6
Ross-on-Wye	1003.9	-2	NW	6	bcv	54	75	9	2500	Nb	6	-	6	*
Benson	1003.0	-7	SW	4	or-	55	92	7	-	Nb	10	-	10	*
S. Farnborough	1004.4	-4	WSW	4	or$_0$r$_0$	57	92	7	1500	Nb	10	-	10	*
London (Kew Obsy.)	1002.4 (3.7)	-4	SW	4	or+	57	85	7	1500	Nb	10	-	10	*
Croydon	1004.6	-6	SW	6	orr	57	85	7	1500	Nb	10	-	10	*
Clacton-on-Sea	1003.2	-7	SSW	6	bc/r	59	85	8	-	-	0	A.St	5	5
Shoeburyness	1003.4	-6	SW	6	or$_0$	59	92	7	800	St	10	-	10	*
Grain	1003.7	-7	SW	5	c/r	58	75	8	4000	St.Cu	8	-	8	3
Lympne	1005.9	-5	SW'W	6	c	56	85	9	1500	St.Cu	7	-	7	*
Scilly (St. Mary's)	1011.2	-2	NW	6	bcPR	55	92	8	4000	Cu.Nb	6	-	6	5
Falmouth	1009.6	-6	WNW	6	c-	56	92	8	-	Cu.Nb	6	Ci.St	7	*
Plymouth	1008.1	-3	WSW	6	oR	59	97	8	<150	Nb	10	-	10	4
Portland Bill	1005.2	-6	SW	8	o+	60	85	7	450	St	10	-	10	7
Calshot	1005.7	-6	SW	5	o/r	60	85	8	1500	St	10	-	10	4
Dungeness	1004.9	-8	SW	7	bc+	60	85	9	1500	Cu.Nb	6	-	6	7
Jersey	1011.6	-1	W	6	bc-	62	75	8	-	-	0	Ci.St	4	6

LONDON OBSERVATIONS. Weather, temperature and rainfall: 24 Hours ended 0900 G.M.T. 23rd. 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 } 24 hours ended 0700	oor om	coor	ooqbcbv	*	*	35	2	4	3.3	*	*
Croydon } 24 hours ended 0700	ocordrr	or$_0$rmco	ortqlmbc	*	*	35	2	3		*	*
Greenwich (Royal Obsy.)	o.or$_0$	o.b.or	o.b	63	40	32	-	6	2.9	73	70
City (Bunhill Row)	*	*	*	*	*	*	*	*		*	*
Westminster (St. James' Pk.)	*	*	*	60	40	36	5	-	~~97%~~ 0.3	97	—
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*			
Camden Sq. (Brit. Rainfall)	bc	or$_0$o	*	63	38	36	1	4	*	95	72
Kensington Palace	op.bc	bc.r	*	64	40	33	2	5	*	86 (18h)	71
Hampstead Observatory	*	*	*			*				*	

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.

24 Hr. ended 1800 G.M.T. 22nd

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate

.... Milliwatts.

Maximum Rate

.... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 22nd .... h. ...... m.
to 23rd .... h. ...... m.

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

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

23rd & 24th October 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.34 / 6.36	11.37 / 11.37	4.40 / 4.38
Greenwich	6.39 / 6.41	11.44 / 11.44	4.49 / 4.47
Wick	7.8 / 7.10	11.56 / 11.56	4.45 / 4.42
Valencia	7.21 / 7.23	12.25 / 12.25	5.30 / 5.28

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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 0 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 } 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1-3	0·3-1·5
2	4-7	1·6-3·3
3	8-12	3·4-5·4
4	13-18	5·5-7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

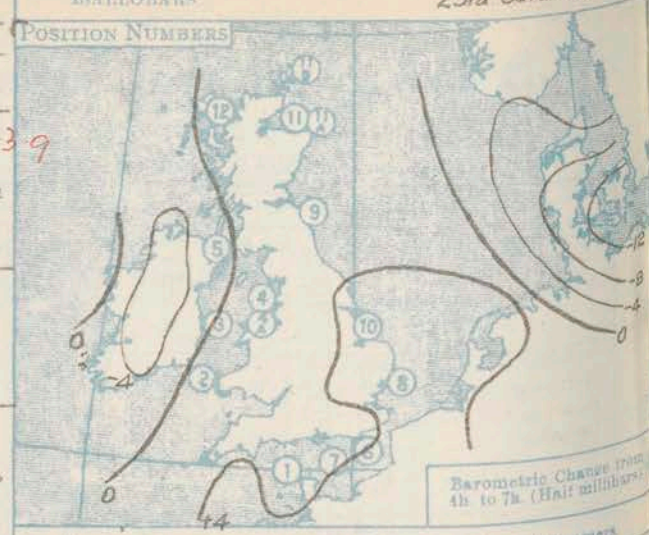
* Information for these columns not usually received. † The barometric change is expressed in half millibars. ‡ For code see page 2.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 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. Hour.
Lerwick	p	b or bc	b or bc	c	45	37	•	1	–	<0800	–	•
Stornoway	c	c	c	c	45	29	•	–	–	–	–	~~0.0~~ 3.9
Wick	oo	oo	oc P o	b or bc	44	36	•	–	2	–	<2100	•
Castlebay	bcP	h bc	bc rs c	c bc	47	40	•	0.4	0.4	–	–	4.4
Nairn	c	c	p		43	32	•	0.2	2	1100	2200	1.6
Aberdeen	omf r o	or ro	bc p o		41	35	31	3	0.6	0900	2400	0.0
Malin Head	oqp rv	cqpv	p o	pr o	46	39	•	1	2	<0800	<2100	1.3
Renfrew	omtsrf	oimr o	b or bc	0.0	41	29	23	7	trace	–	<2100	?
Inchkeith	r or d	r or d	b or bc		42	38	34	29	trace	0900	–	•
Eskdalemuir	RR rs rs	or s or	b or bc	b or bc	36	30	24	35	1	<0800	<2100	0.0
Tynemouth	m RR	m RR	ir ir	im p o	50	36	•	23	6	<0800	<2100	•
Blacksod Point	c	p	p	p	52	42	•	0.2	4	1430	<2100	•
Donaghadee	r o r ir	cq ir	bcq	cmp	51	37	•	3	trace	<0800	6.30	•
Birr Castle	cr o r o	or o bc	bcc o	oi R	49	34	26	8	2	<0800	–	1.6
Baldonnell	oorf mm	oo q	b or bc	oo r m	55	35	28	10	3	0900	5.30	0.0
Holyhead	r o or r	r r o o	h or h	co p	58	44	41	9	2	<0800	2200	0.0
Liverpool (Bidston)	r or d	r or d	?	c	55	40	•	17	3	<0800	6.30	0.0
Manchester (Alex.Pk.)												•
Howden	r or d	r or d	c	c	55	35	27	11	1	<0800	<2100	0.0
Spurn Head	oo	p	0.0	c	63	40	•	12	0.2	<0800	–	0.0
Nottingham	r or d	RR	c		57	36	32	13	0.2	<0800	<2100	0.0
Cranwell	pr	p r oi RR	ir o	b or bc	57	34	31	8	0.3	<0800	<2100	0.0
Gorleston	o p	r q p c q	r or d	or q c q	62	39	38	0.2	3	<0800	<2100	0.0
Pulham	p	p	c	c	?60	38	34	0.3	1	<0800	<2100	0.2
Felixstowe	oo	ir o q x oc		b. bq v	62	40	38	trace	–	1300	–	2.7
Valencia (Cahirciveen)	oi r bc	bc c b	c b	c o	59	49	42	2	–	<0800	–	4.4
Roches Point	r or d	b or bc	b or bc		59	45	•	4	0.2	<0800	–	•
Pembroke (St. Ann's H.)	oq ir	oq rf	c	c	59	45	•	3	–	1230	–	0.2
Ross-on-Wye	i r i d q	r r R c q	c q p q c p b	b b c b v	61	39	34	3	0.2	<0800	2200	0.4
Benson	p	r or d	r o.o	b	62	38	30	3	0.1	1630	<2100	•
S. Farnborough	p	r or d	c		63	39	33	1	1	1100	<2100	4.5
London (New Obsy.)	or. om	c oo r	o.o q	c b c b v	62	41	35	2	4	1100	<2100	3.3
Croydon	oc o r r	or o r m c q r	or r q m c b q	o b q	62	39	35	2	3	1100	<2100	4.8
Clacton-on-Sea	o g b c c	c p c b c	b c c p o q	o p q b c	61	40	38	Trace	0.2	1100	<2100	2.4
Shoeburyness	r or d	r or d	oi R		63	39	35	0.2	3	1100	<2100	3.8
Grain	oo	oo	p		63	39	35	1	1	1330	–	3.0
Lympne	oc o r o	oc i r o o	ci r o	b or bc	61	38	35	0.2	3	1430	–	2.8
Scilly (St. Mary's)	b or bc	p	b or bc	c	62	51	•	2	–	1630	–	4.4
Falmouth	oc q	o q r q c	bc	bc	63	46	44	5	–	1730	–	4.8
Plymouth	oo	r or d	b or bc	b or bc	62	48	41	1	–	0900	–	3.6
Portland Bill	c	oo	b or bc	f or m	62	50	•	0.5	4	<0800	<2100	•
Calshot	d d i r q	r or d	r or d	b or bc	63	40	37	2	1	1100	<2100	4.3
Dungeness	c q	p q	r or d	c	63	40	•	Trace	3	1530	<2100	•
Jersey	b	b c o b c	b. o l R	c b c	66	50	•	–	6	–	<2110	5.0

ISALLOBARS. 23rd October 1921.

POSITION NUMBERS



Temperature reported from Cross Channel and Coastal Steamers.

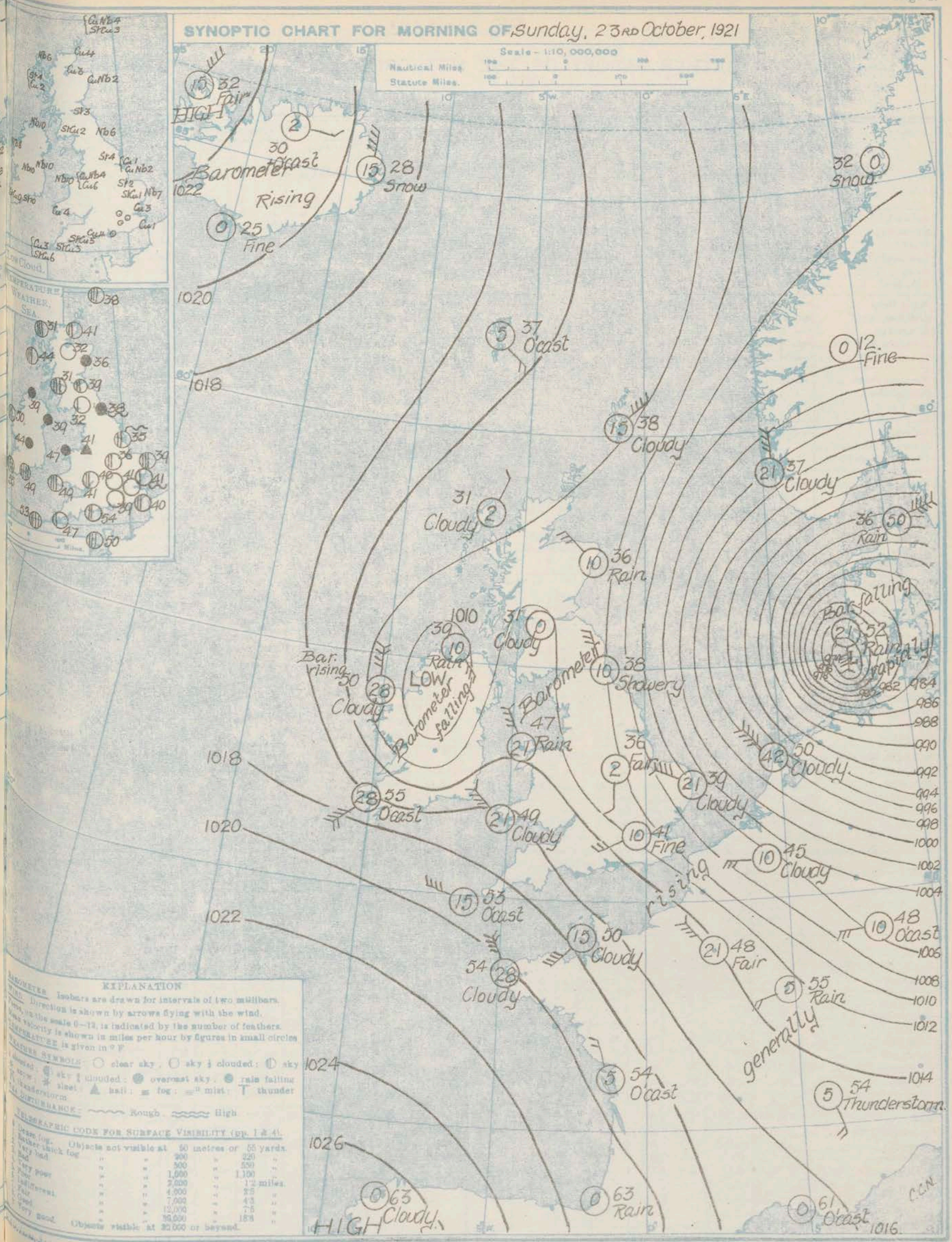
Position Number	3.	1.	6.	7.
Date	22nd	22nd	23rd	23rd
Time G.M.T.	1000	1210	0314	0315
Sea ° F.	58	61	61	59
Air ° F.	57	61	49	51

GENERAL INFERENCE.

The depression over Ireland will probably move East-South-Eastward and cause squalls and showers in all parts of England and Ireland. Cold and generally unsettled weather is likely over the whole Kingdom.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday October 23rd 1921.	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	Wind mainly between North and West, fresh to strong and squally at times; variable sky, some showers of rain or hail, sleet locally; temperature low; local frost at night.	Continuing rather cold and unsettled.
10. N.E. England 11. E. Scotland 12. S.W. Scotland	Wind between North-East and North-West, force variable; changeable, some showers of rain, sleet or snow; cold; frost at night.	
13. Isle of Man	Same as 1 to 9.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind North-East or North, light to fresh; variable sky, some showers of rain, sleet or snow; cold, frost at night.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind North-West and North, strong to moderate; showers of rain or hail; cold, frost locally at night.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0630 GMT. G. C. SIMPSON, F.R.S., Director.


SYNOPTIC CHART FOR MORNING OF Sunday, 23RD October, 1921
Scale - 1:10,000,000
Nautical Miles
Statute Miles
HIGH
Fair
Barometer Rising
Fine
Snow
O'cast
Cloudy
Rain
LOW
Barometer falling
Bar. rising
Showery
Fair
Thunderstorm
HIGH
Bar. falling rapidly
generally
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 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 (gp. 1 & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Rather thick fog " " 200 " 220 "
2 Very bad " " 500 " 550 "
3 Bad " " 1,000 " 1,100 "
4 Very poor " " 2,000 " 1·2 miles.
5 Poor " " 4,000 " 2·5 "
6 Indifferent " " 7,000 " 4·3 "
7 Fair " " 12,000 " 7·6 "
8 Good " " 30,000 " 18·8 "
9 Very good. Objects visible at 32,000 or beyond.
C.C.N.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION..Sunday...23rd October.....1921. No.296

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	1011.2	0	NE	3	b	39	97	7	7250	Cu	3	-	3	*
Stornoway	1013.2	0	NE	2	c-	*	*	6	*	*	*	*	*	*
Wick	1009.5	+1	N	3	bc/r	43	75	9	4000	Cu	3	Ci	4	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1013.2	+1	WNW	3	bcv	46	85	9	4000	Cu	4	-	4	*
Renfrew	1011.2	+2	WNW	2	b	38	75	8	-	-	-	-	0	*
Inchkeith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1009.9	+2	NNW	5	b-	34	75	7	-	-	-	-	0	*
Tynemouth	1006.1	+4	NNW	4	or	40	85	7	4000	Nb	10	-	10	*
Blacksod Point ...	1015.6	-1	W	1	ppr.	45	85	7	1500	St.	9	-	9	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1016.4	+4	WS	3	b	36	92	8	-	-	-	-	0	*
Holyhead	1012.9	-3	NW'N	7	bc-	*	*	8	-	-	-	A.Cu	5	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1006.0	+9	NNW	5	bc-	40	92	6	2500	St.	6	-	6	*
Spurn Head	1031.9	+8	NW	8	bc-	37	*	8	2500	St.	3	A.Cu	5	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1006.8	+8	NNW	5	bc-	41	85	8	-	-	-	A.St	2	*
Gorleston	1000.6	+1	NW	6	or+	45	97	8	5750	Nb	5	Ci.St	10	*
Pulham	1001.1	+7	W	5	o/r	40	92	6	2500	St.Cu	10	-	10	*
Felixstowe														*
Valencia (Cahirciveen)	1020.1	+3	NW	5	bc-	50	45	7	-	Cu	5	-	5	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1015.6	+4	NW	6	bcv	48	75	9	4000	Cu	5	-	5	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1008.5	+8	NW	6	o/r	46	75	8	4000	St.Cu	10	-	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1005.6	+5	SW	6	c	47	97	8	1500	St.	8	-	8	*
Scilly (St. Mary's) ...	1015.9	+4	NW	6	b	52	75	8	4000	Cu	3	-	3	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1014.7	+5	NW	4	b	49	75	9	4000	St.Cu	3	-	3	*
Portland Bill	1011.7	+5	NW	7	bc-	58	85	8	-	-	-	A.Cu	4	*
Calshot	1010.2	+6	WNW	4	bc/r	48	85	9	-	-	-	A.Cu	5	*
Dungeness	1004.8	+5	W	5	bc+	49	85	9	4000	Cu	6	-	6	*
Jersey 7h } Guernsey 1h } ...	1014.0	+6	WNW	6	bc/r	58	97	9	4000	CuNb	6	-	6	*

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	1012.1	+1	NE	4	c	38	97	8	7250	CuNb	7	-	7	3
Stornoway	1012.3	0	NNE	1	bc	31	97	7	5750	Nb	6	-	6	1
Wick	1011.4	+3	N	2	bc	41	65	9	4000	Cu	4	-	4	4
Castlebay	1011.1	-1	E	3	bc	44	85	8	7250	St.	6	-	6	3
Nairn	1012.5	*	-	0	b/r	32	97	8	4000	Cu	3	-	3	3
Aberdeen	1010.8	+2	NW	3	b/pr.	36	92	8	2500	CuNb	2	CuNb	2	0
Malin Head	1009.5	-5	SE	3	orr	39	97	8	1500	Nb	10	-	10	2
Renfrew	1012.2	0	-	0	c-	31	92	8	-	-	-	A.St	7	*
Inchkeith	1010.8	+2	NW	3	bc-	39	75	9	-	St.	3	Ci.St	5	2
Eskdalemuir	1012.4	+2	-	0	b-	32	75	8	2500	St.Cu	2	-	2	*
Tynemouth	1009.8	+3	NNW	3	bcpr.	38	92	7	4000	Nb	6	-	6	6
Blacksod Point ...	1011.4	+3	N	6	c+	50	65	8	4000	Nb	8	-	8	4
Donaghadee	1012.8	-1	NW	2	ppr.	39	92	8	-	-	-	A.St	10	1
Birr Castle	1011.5	*	WSW	3	oR	44	97	6	1500	Nb	10	-	10	*
Baldonnell	1012.2	-5	S'W	3	oRR	39	92	7	800	Nb	10	-	10	*
Holyhead	1014.0	+1	NW'N	5	or.	47	75	9	1500	Nb	10	-	10	4
Liverpool (Bidston) ...	1012.8	+3	NW'N	5	oPH	41	85	7	1500	Nb	10	-	10	4
Chester (Shotwick) ...														*
Howden	1010.1	+4	W	4	bc	35	85	7	2500	St	4	CuCu	5	*
Spurn Head	1007.2	+6	NW	8	b+	40	92	8	2500	CuNb	3	-	3	6
Nottingham	1011.7	*	S	1	bc	36	85	7	-	-	-	Ci	5	*
Cranwell	1011.1	+3	NW	4	b	35	85	8	4000	St.	2	-	2	*
Gorleston	1005.4	+5	NW'W	5	c	39	85	7	4000	Nb	7	-	7	4
Pulham	1008.9	+7	W	5	b-	38	85	8	2500	St.Cu	1	-	1	*
Felixstowe	1010.7	+3	WNW	5	bv	41	85	9	5750	St.Cu	1	-	1	6
Valencia (Cahirciveen)	1017.2	-2	SW	6	o+	55	85	8	2500	St.Cu	9	A.St	10	6
Roches Point	1017.9	-4	WSW	4	o	49	85	8	2500	St.	10	-	10	3
Pembroke (St. Ann's H.)	1016.4	+1	NW	5	bc+	49	85	9	4000	Cu	4	A.Cu	6	5
Ross-on-Wye	1014.6	+2	SW'W	2	bv	41	75	9	-	-	-	A.Cu	3	*
Benson...	1013.8	+5	W	3	b	40	65	9	-	-	-	-	-	*
S. Farnborough ...	1012.9	+3	W'N	3	b	39	92	8	-	-	-	-	0	*
London (Kew Obsy.)...	1013.2	+3	WSW	3	b	41	85	9	-	-	-	-	0	*
Croydon	1013.3	+3	W'N	3	b	39	92	8	-	-	-	-	0	*
Clacton-on-Sea ...	1009.6	+5	WNW	4	b/r	40	75	8	2500	Cu	3	-	3	1
Shoeburyness	1011.3	+5	WNW	4	b/r	41	75	8	-	-	-	-	0	*
Grain	1011.8	+3	WNW	4	b/r	41	75	8	-	-	-	-	0	0
Lympne	1011.8	+3	WNW	4	b	38	85	9	2500	Cu	1	-	1	*
Scilly (St. Mary's) ...	1009.3	+1	WNW	4	o	53	75	9	4000	St.Cu	9	-	9	5
Falmouth	1018.4	+1	WNW	3	bc	47	85	8	2500	St.Cu	3	A.Cu	5	*
Plymouth	1017.8	+4	WNW	1	c+	48	65	9	4000	St.Cu	5	A.Cu	7	*
Portland Bill	1014.7	0	NW'N	7	bc	54	85	8	1500	Cu	4	-	4	4
Calshot	1015.6	+5	WSW	3	b-	41	85	9	-	-	-	-	0	0
Dungeness	1012.0	+3	NW	4	b-	40	97	9	4000	Cu	3	-	3	5
Jersey 7h } Guernsey 1h } ...	1017.8	+1	SW	4	c/r	50	65	8	4000	St.Cu	1	Ci.Cu	8	3

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 21st-22nd mm.	Rainfall.† Day 9h.-17h. 22nd mm.	Sunshine. Sunrise to 17h. 22nd hr.	Sunshine. Sunrise to Sunset. 21st hr.
Banff	o	oc	44	37	2	-	0.0	7.5
Montrose	or	or	39	34	3	6	0.0	5.0
Llandudno	rr	rr	57	51	6	12	0.0	8.1
Colwyn Bay ...	r	r	58	51	4	3	0.0	7.9
Rhyl...	r	r	59	50	2	10	0.0	9.0
Southport	r	ro	55	49	12	13	0.0	4.9
Blackpool	or	o	57	47	11	?	0.0	2.8
Harrogate	or	or	53	44	6	12	0.0	4.7
Skegness	od	or	58	46	-	5	0.0	5.2
Aberystwyth ...	oc r	r or	60	52	1	11	0.4	6.0
Bath	odbcb	b or	65	48	-	8	2.6	6.5
Leamington Spa ...			60	45	1	—	0.0	6.4
Lowestoft	op	ocp	61	45	-	0.5	0.2	7.5
Felixstowe	c	bc	62	47	-	-	3.1	6.5
Southend	cbcc	oc	63	48	-	-	3.4	2.7

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 21st-22nd mm.	Rainfall.† Day 9h.-17h. 22nd mm.	Sunshine. Sunrise to 17h. 22nd hr.	Sunshine. Sunrise to Sunset. 21st hr.
Paignton	cbcq	bcqpo	64	50	2	-	4.2	7.3
Ilfracombe								
Bude	bccbc	bccor	63	52	-	0.6	2.5	6.3
Penzance	bc	cor	64	56	2	5	4.8	3.4
Torquay	cbc	bcco	64	53	2	-	3.8	6.7
Weymouth	orc	coq	65	44	-	2	2.3	8.1
Bournemouth ...	orbcb	b	63	42	-	4	3.8	8.0
Portsmouth (S'thsea)	c	bcp	64	47	-	2	4.8	6.8
Worthing	o	o	61	40	-	-	2.3	4.0
Brighton	cp	pc	62	46	-	2	3.0	4.1
Eastbourne	bcc	obce	64	44	-	0.1	3.2	3.3
Hastings	oc	bcc	62	47	-	0.1	2.9	3.8
Folkestone	bc	c	64	46	-	-	3.1	2.7
Tunbridge Wells ...	bcc	opcbc	61	42	-	-	2.7	3.1
Ramsgate	bc	bc	63	44	-	-	3.3	3.5
Margate	cbcc	cor	62	48	-	2	3.0	3.5
Deal	c	cbc	62	?	-	-	3.7	2.8

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 21886 MONDAY, 24th OCTOBER 1921.

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	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1016·2	+6	NNE	4	c	40	97	8	-	-	0	A.Cu	8	*
Stornoway	1018·1	+6	W	2	bc-	46	65	8	4000	Cu	5	-	5	*
Wick	1016·2	+4	NW	3	bc	43	65	9	4000	Cu	4	-	4	*
Castlebay	1017·8	+6	N	2	bc	49	75	9	7250	Cu	6	-	6	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1015·6	+5	N	3	bc	44	65	8	4000	St.Cu	4	-	4	*
Malin Head	1016·1	+8	ENE	2	bcv	47	85	9	4000	Cu	3	A.Cu	5	*
Renfrew	1016·0	+5	NE	2	b-	46	65	8	5750	Cu	1	Ci.St	3	*
Inchkeith	1015·2	+3	NE	3	cv	44	65	9	-	Cu	7	-	7	*
Eskdalemuir	1015·2	+4	NNE	4	bc-	42	65	8	4000	Cu	2	Ci.St	4	*
Tynemouth	1012·9	+3	NNW	3	c	43	85	7	2500	Cu.Nb	7	-	7	*
Blacksod Point	1016·4	+5	NW	6	o+	50	65	8	4000	St.Cu	9	-	9	*
Donaghadee	1014·8	+2	ESE	3	c/r	45	85	9	4000	Cu.Nb	8	-	8	*
Birr Castle	1014·2	*	W	3	c-	48	75	7	2500	Cu	8	-	8	*
Baldonnell	1011·4	0	WNW	5	o	48	85	8	1500	St.Cu	10	-	10	*
Holyhead	1012·5	0	ENE	4	od₀	45	85	8	2500	Nb	10	-	10	*
Liverpool (Bidston)	1013·1	-1	-	0	o/r	41	92	2	450	St	10	-	10	*
Chester (Shotwick)														*
Howden	1012·7	+2	N'W	4	o	45	75	9	2500	St.Cu	3	A.St	9	*
Spurn Head	1010·7	+2	NW	7	bc+	47	85	8	5750	Cu	3	Ci.St	6	*
Nottingham	1013·1	*	W	2	o+	45	75	5	-	-	0	A.St	10	*
Cranwell	1013·2	+2	NNW	4	o+	44	75	8	-	-	0	A.St	10	*
Gorleston	1010·5	+3	NW	4	bc+	49	65	7	4000	Cu.Nb	5	-	5	*
Pulham	1011·9	+3	W	5	o+	46	75	8	4000	Cu	3	A.St	10	*
Felixstowe	1013·2	+2	WNW	4	o⊕	48	65	9	-	-	0	A.St	9	*
Valencia (Cahirciveen)	1020·8	+4	NNW	6	o	52	65	8	4000	St.Cu	9	-	9	*
Roches Point	1017·5	+3	NW	6	o	52	75	8	2500	Cu.Nb	7	Ci.St	10	*
Pembroke (St. Ann's H.)	1012·4	-3	WNW	6	c/r	53	85	8	4000	Cu	4	Ci.St	8	*
Ross-on-Wye	1012·1	-5	SE	3	or	42	85	8	1500	Nb	10	-	10	*
Benson	1013·9	0	W	1	or₀+	40	92	6	-	Nb	10	-	10	*
S. Farnborough	1014·3	-1	WNW	3	or₀f	48	85	8	1500	Nb	10	-	10	*
London (Kew Obsy.)	1014·3	0	W	3	or₀	46	65	8	2500	Nb	2	A.St	10	*
Croydon	1014·3	-1	WNW	5	o	46	65	8	1500	St.Cu	2	A.St	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1013·3	+2	NNW	3	o	48	65	7	4000	St.Cu	7	A.St	9	*
Grain	1013·5	+3	WNW	4	or	49	55	9	-	-	0	A.St	9	*
Lympne	1013·8	0	W'N	5	o	48	55	7	2500	Cu	1	A.St	10	*
Scilly (St. Mary's)	1016·7	-5	WNW	7	oPR	55	92	7	4000	Cu	10	-	10	*
Falmouth	1014·6	-7	W	7	cpr₀	56	75	7	-	Cu.Nb	7	-	7	*
Plymouth	1013·2	-8	WSW	6	or+	54	92	7	800	Nb	10	-	10	*
Portland Bill	1013·5	-2	W'S	6	or	53	85	8	1500	Nb	10	-	10	*
Calshot	1014·2	-3	SW	2	or₀+	49	75	8	800	St	10	-	10	*
Dungeness	1013·4	+2	W	5	c+	51	55	9	-	-	0	A.Cu	7	*
Jersey	1017·0	-1	W	4	or+	54	75	8	1500	Nb	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	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1019·6	+6	NNE	4	b-	40	97	8	-	-	0	A.St	3	3
Stornoway	1022·6	+6	NNE	1	b-	35	92	8	4000	Cu	2	-	2	1
Wick	1021·3	+6	NNW	2	bc	38	75	9	4000	Cu	4	-	4	4
Castlebay	1022·7	+6	N	2	bc+	44	75	8	4000	Cu.Nb	5	-	5	2
Nairn	1021·5	*	NNE	1	bc	41	75	8	4000	Cu	6	-	6	*
Aberdeen	1020·5	+6	NW'N	3	b-	39	75	8	4000	St.Cu	1	-	1	3
Malin Head	1022·0	+6	N	3	cv	46	92	9	2500	Cu.Nb	7	-	7	2
Renfrew	1021·9	+5	N	1	b-	39	85	5	5750	Cu	1	-	1	*
Inchkeith	1021·0	+7	NE	3	bv	42	65	9	-	Cu	1	-	1	2
Eskdalemuir	1021·6	+7	N	1	b+	33	75	8	2500	Cu	1	-	1	*
Tynemouth	1018·2	+4	N	4	obr₀	46	75	7	4000	Nb	10	-	10	5
Blacksod Point	1023·6	+7	N	4	c+	47	75	7	1500	St.Cu	8	-	8	4
Donaghadee	1021·8	+6	NNE	3	b-	47	65	9	4000	Cu	2	-	2	4
Birr Castle	1022·3	*	NW	2	bc-	42	92	8	-	Cu	3	A.Cu	5	*
Baldonnell	1021·6	+10	N	2	c-	43	85	8	1500	St.Cu	7	A.St	8	*
Holyhead	1020·2	+8	NE'N	4	b-	47	75	8	2500	Cu	2	-	2	4
Liverpool (Bidston)	1018·8	+7	NE'N	2	b/r	42	75	5	1500	Nb	2	-	2	1
Chester (Shotwick)														*
Howden	1017·4	+6	NNE	3	bc-	40	75	7	2500	St	4	-	4	*
Spurn Head	1014·4	+3	N	6	c+	46	85	8	1500	St	8	-	8	6
Nottingham	1017·2	*	S	2	b-	43	85	5	-	-	0	-	0	*
Cranwell	1016·0	+4	NNW	3	b-	39	92	8	4000	St	1	Ci.St	2	*
Gorleston	1014·5	+4	NW	3	bc/r	42	85	8	4000	Cu	6	-	6	5
Pulham	1014·1	+2	W	3	bc+	42	92	8	4000	St.Cu	4	A.St	6	*
Felixstowe	1014·9	+2	NW'N	3	c-	44	75	9	-	-	0	A.St	7	2
Valencia (Cahirciveen)	1025·2	+7	NNW	6	c	51	65	8	4000	St.Cu	7	A.Cu	8	4
Roches Point	1022·0	+7	NW	5	o	50	75	8	2500	Cu.Nb	9	-	9	3
Pembroke (St. Ann's H.)	1015·6	+4	NNE	4	c+-	45	97	8	2500	Nb	7	-	7	4
Ross-on-Wye	1017·3	+8	ENE	1	b-	36	92	8	-	-	0	Ci	1	*
Benson	1015·9	+5	N	1	bc/s	35	97	7	-	St.Cu	5	-	5	*
S. Farnborough	1015·2	+3	NNW	1	b/s	35	97	7	-	St	1	-	1	*
London (Kew Obsy.)	1015·2	+2	NNW	1	c/r	40	85	4	4000	St	7	Ci	8	*
Croydon	1015·0	+1	N	1	o	39	97	5	2500	St	9	-	9	*
Clacton-on-Sea	1013·9	+2	WNW	3	c	44	75	8	7250	St.Cu	8	-	8	1
Shoeburyness	1014·4	+1	NNW	1	c	42	85	7	4000	St.Cu	7	-	7	*
Grain	1014·6	+2	NW'N	3	ov	42	75	9	-	-	0	A.St	10	1
Lympne	1014·2	+2	W'N	4	o/r	41	75	7	1500	St	10	-	10	*
Scilly (St. Mary's)	1017·6	+2	N'W	3	c	53	65	8	4000	St.Cu	7	-	7	7
Falmouth	1015·7	+3	NW	7	cpr₀	50	75	7	-	Cu.Nb	7	-	7	*
Plymouth	1014·8	+4	NW	4	oPRr	50	85	8	450	Nb	10	-	10	0
Portland Bill	1013·8	+1	NNE	7	o	50	85	8	1500	Nb	10	-	10	6
Calshot	1014·6	+7	NNE	5	or-	40	97	8	800	Nb	10	-	10	6
Dungeness	1012·9	+1	N	2	o	43	75	8	-	-	0	Ci.St	10	3
Jersey	1011·7	-3	W	5	o/r	53	75	8	4000	St.Cu	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. 24th								Yesterday.		To-day.
Kew (24 hours ended 0700)	bcoor₀	or₀ocm	bbcmcbb	*	*	28	1	-	3·6	*	*
Croydon (24 hours ended 0700)	bbccoq	orr	ombbimu	*	*	29	3	-	4·2	*	*
Greenwich (Royal Obsy.)	o	o	bcb	48	36	30	1	-	3·6		
City (Bunhill Row)	*	*	*	*	*	*	*	*	3·3	*	*
Westminster (St. James' Pk.)	*	*	*	50	38	30	1		3·9	92	78
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	3·3	*	
Camden Sq. (Brit. Rainfall)	*	*	*	56	36	33	6	-	*	*	76
Kensington Palace			*	50 ~~49~~	38	31	2	-	*	(18h)	70
Hampstead Observatory	*	*	*	49	34	*	-	1	4·2	*	77

Atmospheric Pollution. Lbs. of Solid impurity per million cubic yards.

24 Hr. ended 1800 G.M.T. 23rd.

South Kensington			
Max.	Time.	Min.	Time.

Kew Observatory			
Max.	Time.	Min.	Time.

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from Oct 23rd 17 h. 45 m. to Oct 24th 5 h. 45 m.

Stars.	Exposure h. m.	Record h. m.	Record %
Polaris	12.00	11 36	97
δ Ursae Minoris	12.00	11.27	95

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

24th & 25th October 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·36 6·37	11·37 11·37	4·38 4·36
Greenwich	6·41 6·42	11·44 11·44	4·47 4·45
Wick	7·10 7·12	11·56 11·56	4·42 4·39
Valencia	7·22 7·24	12·25 12·25	5·28 5·26

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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 ₀ 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

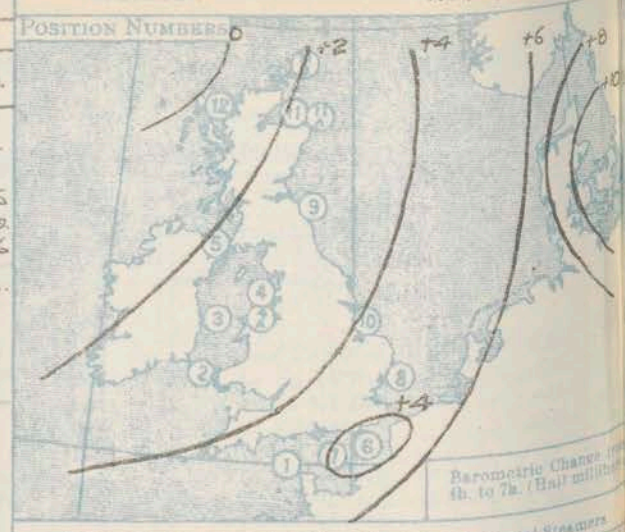
* Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 2.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 23rd	13h.-18h. 23rd	18h. 23rd to 18h. 24th	18h.-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	c	b or bc	b or bc	b or bc	44	35	*	-	-	-	-	-
Stornoway	c	b or bc	b or bc	b or bc	45	40	*	-	-	-	-	6.4
Wick	b or bc	b or bc	b or bc	b or bc	44	34	*	-	-	-	-	*
Castlebay	c bc pc	c bc	b c o p	c	49	41	*	-	0.5	-	-	4.5
Nairn		b or bc	b or bc		42	30	*	-	-	-	-	6.2
Aberdeen	b or bc	b or bc	b or bc		45	36	31	Trace	-	<0800	-	6.6
Malin Head	RR	b c v	b or bc	c	47	45	*	3	1	<0800	<2100	7.0
Renfrew	c3f bc b	b r b m n	b m m c	b m x	47	22	14	-	Trace	-	-	*
Inchkeith	b or bc	b or bc	b or bc	b or bc	45	37	33	-	Trace	-	-	*
Eskdalemuir	c	b or bc	b or bc	b or bc	41	24	18	-	-	-	-	6.4
Tynemouth	c q p r m	i m p	b r b c h m	b r b c h m	47	37	*	1	Trace	<0800	<2100	*
Blacksod Point ...	p	p	b or bc	b or bc	50	40	*	1	Trace	<0800	<2100	*
Donaghadee	c q r v	b c v	b c		48	39	*	6	-	<0800	-	*
Birr Castle	r n d	c o b c	b c x		50	30	25	3	-	<0800	-	1.7
Baldonnell	b c c p r	o c r r m	b r b c	b r b c	48	32	27	4	0.1	0900	<21.00	0.7
Holyhead	r o p o	d o c v b	b r b c	b r b c	48	46	41	4	-	1100	-	1.9
Liverpool (Bidston) ...	r n d	f o r m	b r b c		44	39	32	8	-	<0800	-	1.1
Chester (Shotwick) ...												*
Howden	o o	c	b or bc	b or bc	53	34	29	-	-	-	-	3.1
Spurn Head	b or bc	c	b or bc	p	47	38	*	-	1	-	02.30	4.4
Nottingham	o o	c m	b or bc m		46	36	32	-	-	-	-	2.5
Cranwell	c	c	b or bc	b or bc	44	34	30	-	-	-	-	3.7
Gorleston	c q b c q	o h r p c	b c q r h	c q p h l	49	42	39	3	2	1330	2200	4.0
Pulham	c	p	p	p	47	39	32	Trace	Trace	1630	2200	5.2
Felixstowe	c	b or bc	b or bc		49	38	36	-	-	-	-	5.8
Valencia (Cahirciveen)	o c o	o b c c	b r b c w	b w	56	41	34	1	-	<0800	-	3.0
Roches Point	p	o o	b or bc		55	38	*	0.5	0.2	<0800	-	*
Pembroke (St. Ann's H.)	i r	i r	b or bc	b or bc	55	42	*	7	-	0900	-	0.4
Ross-on-Wye	c o q r r	r r b b	b m x b r c	o r c b x	45	30	23	4	2	1100	01.30	0.6
Benson	r r	r r	b or bc		46	29	22	9	-	1100	-	*
S. Farnborough ...	r n d	r r s r s	b or bc		49	33	27	9	-	1230	-	2.0
London (Kew Obsy.) ...	b c o o	o o c m	b b c m c m	b b x	48	37	28	1	-	1230	-	3.6
Croydon	b b c c o q	o r r	o m b	b m x	47	34	29	3	-	1330	-	4.2
Clacton-on-Sea ...	b c c	b c c	c b c b l	b b c	48	36	33	-	-	-	-	5.6
Shoeburyness	c	o o	b or bc		44	37	33	-	-	-	-	5.1
Grain	c	o o	b or bc		49	37	31	-	-	-	-	4.2
Lympne	c	o i r i m	b or bc	b or bc	48	36	32	Trace	-	1530	-	5.1
Scilly (St. Mary's) ...	c	c p o	b r b c q p o	b r b c	58	45	*	Trace	1	-	<21.00	0.0
Falmouth	b c c p q	o r c p q	c p q m	c b c	57	34	30	4	0.5	1230	<21.00	0.3
Plymouth	r n d	p	b or bc	b or bc	56	31	27	3	0.5	1100	<21.00	1.5
Portland Bill	r n d	o o	b or bc	b or bc	56	39	*	0.4	-	1330	-	*
Calshot	c	i r q	b or bc	b or bc	51	37	35	7	-	1100	-	3.5
Dungeness	b or bc	p	b or bc	b or bc	52	36	*	0.2	-	1530	-	*
Jersey	o q i r	b c o i r	p	o b	57	47	*	4	0.6	1100	<21.00	2.3

ISALLOBARS. 24th. OCTOBER.



Temperature reported from Cross Channel and Coastal Steamers.

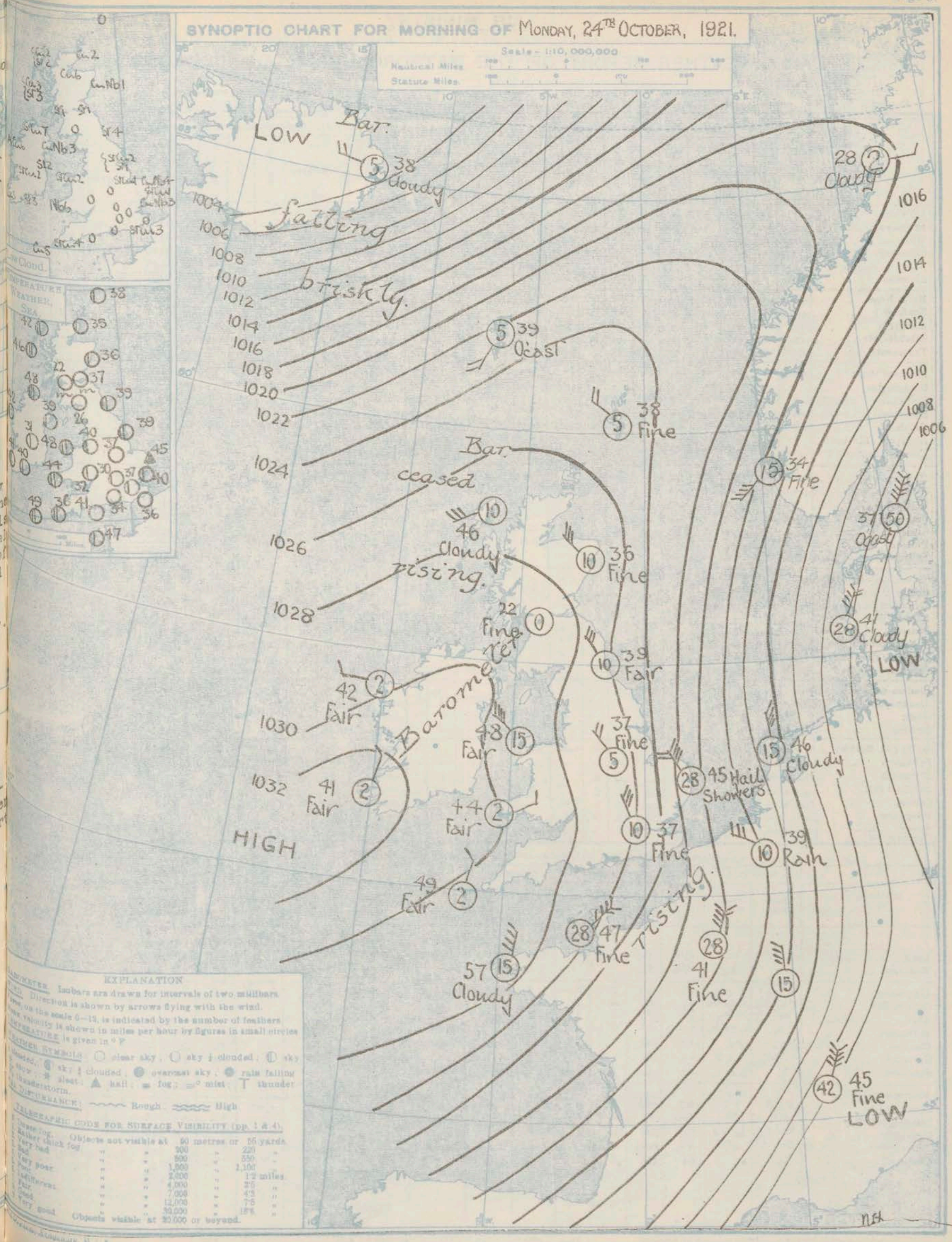
Position Number	3
Date	23rd.
Time G.M.T.	1200
Sea ° F.	54
Air ° F.	46

GENERAL INFERENCE.

An anticyclone is extending over Ireland and England from the Atlantic and fine cold weather is probable over the Kingdom generally. There are some indications of a depression approaching Iceland and this may cause the wind to back to West or South-West in Scotland, with less fine weather.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday 24th October 1921.	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 North to North-West, moderate or light; mainly fine; temperature very low, frost at night; visibility fair or good.	Fine and cold in the South, unsettled and rather milder in the North
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Wind North-West to West or South-West, light, then increasing somewhat; fine to cloudy or dull; cold, frost at night; visibility fair or good.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind North to North-West or West, light or moderate; fine, cold, frost at night; good visibility.	

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


SYNOPTIC CHART FOR MORNING OF MONDAY, 24TH OCTOBER, 1921.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
Bar.
falling
briskly.
Bar.
ceased
rising.
Barometer
rising.
HIGH
LOW
LOW
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
1028
1030
1032
1016
1014
1012
1010
1008
1006
5 38 Cloudy
28 2 Cloudy
5 39 O'cast
5 38 Fine
15 34 Fine
50 37 O'cast
28 41 Cloudy
10 46 Cloudy
10 36 Fine
22 Fine
0
10 39 Fair
42 2 Fair
48 15 Fair
37 Fine 5
28 45 Hail Showers
15 46 Cloudy
41 2 Fair
44 2 Fair
10 37 Fine
10 39 Rain
49 2 Fair
28 47 Fine
28 41 Fine
15
57 15 Cloudy
42 45 Fine
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind.
Force, on the scale 0—12, is indicated by the number of feathers.
Wind velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in ° F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky half clouded; overcast sky; rain falling; sleet; hail; fog; mist; thunder; thunderstorm.
TURBULENCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
Code Figure. Objects not visible at 50 metres or 55 yards.
Very thick fog " " 200 " 220 "
Thick " " 500 " 550 "
Very poor " " 1,000 " 1,100 "
Poor " " 2,000 " 1·2 miles
Indifferent " " 4,000 " 2·5 "
Fair " " 7,000 " 4·3 "
Good " " 12,000 " 7·5 "
Very good " " 20,000 " 12·5 "
Objects visible at 20,000 or beyond.
NH

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION...Monday....., 24th OCTOBER.....1921. No. 297

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	1024·2	+4	NNE	2	b	38	97	8	–	Cu	2	–	2	*
Stornoway	1026·6	+4	–	0	b-	*	*	6	*	*	*	*	*	*
Wick	1024·6	+2	NW	3	b-	38	75	9	4000	Cu	3	–	3	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1026·1	+4	WNW	2	bc	47	92	8	4000	Cu	5	–	5	*
Renfrew	1027·5	+6	–	0	b	28	97	5	–	–	–	–	0	*
Inchkeith	1025·4	+4	NW	3	by	39	65	9	–	–	–	–	0	*
Eskdalemuir	1026·8	+3	NNE	1	b	33	65	8	–	–	–	–	0	*
Tynemouth	1022·5	+2	NW	3	b	36	85	7	–	–	–	–	0	*
Blacksod Point ...	1028·8	+3	NW	1	bc+	46	85	7	–	–	–	A.Cu	5	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1028·6	+5	W'S	2	b+	33	92	7	–	–	–	Ci	1	*
Holyhead	1025·9	+3	NE	4	bc	*	*	8	2500	Cu	4	–	4	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1022·2	+4	NW	4	b-	36	85	7	–	–	–	–	0	*
Spurn Head	1019·4	+2	NW	7	bc+	44	85	8	4000	CuNb	5	–	5	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1022·4	+6	NNW	5	b-	36	85	8	–	–	–	–	0	*
Gorleston	1016·0	+3	NNW	5	b	46	75	8	5750	Cu	3	–	3	*
Pulham	1019·9	+5	NW'N	4	bc-	42	92	7	2500	Nb	4	–	4	*
Felixstowe														*
Valencia (Cahirciveen)	1029·7	+3	NW	5	b	48	85	7	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1026·6	+4	ENE	2	b	43	85	9	–	–	–	–	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	40	*	*	*	*	*	*	*	*
Croydon	1021·3	+5	NW	2	b	38	85	8	–	–	–	–	0	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1018·5	+4	NW	5	b	40	92	9	–	–	–	–	0	*
Scilly (St. Mary's) ...	1025·6	+5	NE	3	b-	49	75	8	4000	Cu	1	–	1	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1024·8	+8	N	1	b	40	85	8	–	–	–	–	0	*
Portland Bill	1021·0	+3	NNE	4	b	49	85	8	–	–	–	–	0	*
Calshot	1022·4	+6	NW	4	b	40	85	8	–	–	–	–	0	*
Dungeness	1017·6	+4	NNE	4	b	39	92	9	–	–	–	–	0	*
Jersey 7h. Guernsey 1h. ...	1021·0	+5	NNE	7	bc/r	48	75	8	5750	CuNb	5	–	5	*

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	1025·4	+3	NW	2	b-	38	97	8	–	–	–	A.St	3	1
Stornoway	1027·0	0	WSW	3	bc-	42	92	7	450	St	4	–	4	1
Wick	1026·8	+2	NW	2	b	35	85	9	4000	Cu	2	–	2	1
Castlebay	1028·2	+1	–	0	bc	46	85	8	4000	St	6	–	6	*
Nairn	1028·0	*	~~NNE~~ 0	0	bc	32	75	8	–	–	–	Ci.Cu	2	*
Aberdeen	1027·7	+4	NW	3	b	36	85	8	4000	CuNb	1	–	1	1
Malin Head	1028·9	+2	WNW	2	c+	48	85	8	4000	StCu	7	–	7	2
Renfrew	1029·9	+3	–	0	mmb	22	97	4	4000	St	1	–	1	*
Inchkeith	1028·3	+3	WNW	3	mb+	37	85	7	–	St	1	–	1	3
Eskdalemuir	1030·0	+4	–	0	b	26	65	8	–	–	–	–	0	*
Tynemouth	1026·1	+3	NNW	3	bc-	39	85	7	4000	St	4	–	4	4
Blacksod Point ...	1029·9	+2	W	1	bc	42	85	7	–	–	–	A.Cu	6	0
Donaghadee	1028·9	+3	WSW	2	b-	39	92	8	–	CuNb	3	–	3	2
Birr Castle	1031·1	*	NW	1	b-	31	97	7	4000	StCu	2	–	2	*
Baldonnell	1031·0	+3	SW'S	2	bc+	35	97	8	800	St	2	Ci	5	*
Holyhead	1029·0	+3	NW	4	bc+	48	75	9	2500	StCu	2	Ci	4	3
Liverpool (Bidston) ...	1028·3	+1	N	1	b+	40	75	8	2500	Cu	2	–	2	1
Chester (Shotwick) ...														*
Howden	1026·2	+4	NW	4	b-	35	85	7	4000	StCu	3	–	3	*
Spurn Head	1024·9	+3	NW	6	bc	39	92	8	1500	CuNb	6	–	6	6
Nottingham	1026·9	*	NW	2	b	37	75	4	–	–	–	–	0	*
Cranwell	1026·0	+5	NNW	4	b	35	85	8	2500	StCu	1	A.Cu	3	*
Gorleston	1020·7	+5	N'W	6	bcph	45	65	8	4000	CuNb	4	–	4	6
Pulham	1026·8	+7	NW'W	4	bc+	40	97	8	4000	Nb	4	–	4	*
Felixstowe	1022·5	+5	NW'N	5	b	39	85	8	4000	~~St~~ Cu	1	–	1	2
Valencia (Cahirciveen)	1033·0	+3	NE	1	bc+	41	92	8	5750	StCu	3	A.Cu	4	1
Roches Point	1031·9	+3	NW	2	b+	40	92	7	–	–	–	Ci	3	0
Pembroke (St. Ann's H.)	1030·0	+4	ENE	1	bc+	44	92	8	2500	Nb	6	–	6	3
Ross-on-Wye	1029·1	+3	SSW	1	bv	32	85	9	–	–	–	Ci	1	*
Benson...	1027·6	+4	–	0	b	30	92	8	–	–	–	A.Cu	2	*
S. Farnborough ...	1026·7	+5	NNW	3	b	34	85	8	–	–	–	–	0	*
London (Kew Obsy.) ...	1026·0	+3	NNW	3	b	37	75	7	–	–	–	A.Cu	1	*
Croydon	1025·6	+5	NW	1	b+	35	85	7	–	–	–	A.Cu	1	*
Clacton-on-Sea ...	1022·1	+5	WNW	4	b+	40	75	8	4000	CuNb	3	–	3	1
Shoeburyness	1023·9	+5	NW	6	b	39	75	7	–	–	–	–	0	*
Grain	1024·1	+6	NNW	6	b	39	75	8	–	–	–	–	0	6
Lympne	1023·2	+5	NW	5	b	36	85	8	2500	StCu	3	–	3	*
Scilly (St. Mary's) ...	1029·7	+5	NE	1	bc	49	75	8	4000	Cu	5	–	6	*
Falmouth	1030·7	+6	NNE	1	bc	36	92	8	2500	StCu	4	Ci	5	*
Plymouth	1029·7	+7	–	0	b	31	92	9	–	–	–	–	0	*
Portland Bill	1027·9	+4	N	5	b	41	75	8	–	–	–	–	0	4
Calshot	1026·8	+5	NW	4	b	40	85	7	–	–	–	–	0	0
Dungeness	1021·9	+4	N	4	b	36	92	7	–	–	–	–	0	4
Jersey 7h. Guernsey 1h. ...	1026·5	+1	NE	5	b/r	47	65	8	4000	StCu	2	–	2	3

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 22nd-23rd mm.	Rainfall.† Day 9h.-17h. 23rd mm.	Sunshine. Sunrise to 17h. 23rd hr.	Sunshine. Sunrise to Sunset. 22nd hr.
Banff	c bc	bcc	45	40	3	–	3·8	0·0
Montrose	b	bc	46	35	–	–	7·2	0·0
Llandudno	r or	r cbc	47	42	2	2	1·8	0·0
Colwyn Bay ...	rc bcc	cbcbc	47	42	4	2	1·3	0·0
Rhyl...	pc	cbc	53	41	3	1	1·2	0·0
Southport	r oc	cbcb	45	42	0·4	0·3	2·8	?
Blackpool	oc	bc	47	41	–	–	2·7	0·1
Harrogate	cbc	b2b	46	33	–	–	0·5	0·0
Skegness	b	bor c	47	44	2	0·1	4·5	0·0
Aberystwyth ...	ocr	ro	49	41	2	4	0·0	2·6
Bath	or	or	44	37	4	2	0·0	0·0
Leamington Spa ...	bc cq	bcop	54	39	2	2	4·5	0·2
Lowestoft	b	o	49	39	–	–	5·6	3·1
Felixstowe	bc	o	51	39	3	–	4·8	3·7

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 22nd-23rd mm.	Rainfall.† Day 9h.-17h. 23rd mm.	Sunshine. Sunrise to 17h. 23rd hr.	Sunshine. Sunrise to Sunset. 22nd hr.
Paignton	bc cp	cor bc	54	44	1	2	2·8	4·2
Ilfracombe	or cbc	bccor	55	44	0·3	7	3·1	0·0
Bude								
Penzance	oq	orcq	60	49	0·3	2	0·0	5·8
Torquay	bcc	cop	53	44	0·6	5	3·3	0·0
Weymouth								
Bournemouth ...	b	bcr	50	41	7	5	4·0	3·8
Portsmouth (S'thsea)	bc	o	52	40	3	4	3·5	4·8
Worthing	bc	r	50	38	4	3	3·7	2·7
Brighton	bcco	r	51	40	3	4	?	3·0
Eastbourne ...	bc<	or	51	39	15	4	4·9	3·2
Hastings	bbcc	cor	51	40	4	3	5·0	2·9
Folkestone	c	o	52	41	8	–	5·4	3·1
Tunbridge Wells ...	bbc	oor	51	37	1	5	4·2	2·7
Ramsgate	bc	oc	52	41	–	–	5·5	3·3
Margate	bbc	bcc	49	44	1	–	5·0	3·0
Deal	bc	bco	?	41	2	–	5·5	3·7

* 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.21887. TUESDAY 25th OCTOBER 1921.

Observations at 1800 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	1023.3	-5	SW	2	c	44	75	8	-	-	0	A St	7	*
Stornoway	1024.4	-2	SW	5	or	47	80	7	800	St	10	-	10	*
Wick	1025.5	+2	SW	2	o	45	75	9	800	St	10	-	10	*
Castlebay	1027.6	-2	SW	4	ofr₀	51	85	8	4000	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1028.8	-1	NW'W	2	c+	46	65	5	4000	St Cu	6	A Cu	8	*
Malin Head	1029.7	0	SSW	2	fo	50	97	8	4000	St Cu	10	.	10	*
Renfrew	1030.9	0	-	0	fo	41	85	8	1500	St	10	-	10	*
Inchkeith	1030.0	+1	W	3	mo+	44	55	6	*	St Cu	9	-	9	*
Eskdalemuir	1030.8	0	-	0	c	44	55	8	-	-	-	A Cu	7	*
Tynemouth	1029.4	+3	N	3	b	46	75	7	4000	Cu	2	-	2	*
Blacksod Point	1032.1	+2	SW	2	o+	53	65	8	4000	St	9	-	9	*
Donaghadee	1031.4	+1	WNW	2	c	49	75	8	5/50	St Cu	4	A Cu	7	*
Birr Castle	1032.9	*	NW	1	c+	52	75	8	4000	Cu	5	Ci Cu	7	*
Baldonnell	1033.2	+1	W	2	b+	51	75	8	4000	Cu	1	A St	3	*
Holyhead	1031.7	+2	NW	3	ov	52	75	9	4000	St Cu	5	A Cu	9	*
Liverpool (Bidston)	1031.3	+2	NW	1	b-	47	65	8	-	St Cu	2	-	2	*
Chester (Shotwick)														
Howden	1029.6	+2	N	5	b	47	65	7	4000	St Cu	1	-	1	*
Spurn Head	1025.0	+4	NNW	6	bc	48	85	8	5/50	Cu Nb	5	-	5	*
Nottingham	1030.1	*	N	3	b+	48	65	6	4000	Cu	1	Ci St	3	*
Cranwell	1029.1	+2	NNW	5	b	47	75	8	4000	Cu	1	-	1	*
Gorleston	1024.8	+4	NNW	5	bcph	45	75	7	4000	Cu Nb	6	-	6	*
Pulham	1026.2	0	NNW	4	bc/r	47	85	9	4000	St Cu	4	.	4	*
Felixstowe	1026.0	+2	NNW	5	bc+	49	92	9	2500	Cu Nb	3	Ci	4	*
Valencia (Cahirciveen)	1034.5	0	ENE	1	b+	55	65	9	4000	Cu	2	-	2	*
Roches Point	1034.2	+1	NW	1	b	53	65	9	4000	Cu	1	-	1	*
Pembroke (St. Ann's H.)	1032.9	+2	NW	2	bcv	52	75	9	4000	Cu	4	-	4	*
Ross-on-Wye	1030.9	+1	NW	3	b	49	65	9	4000	Cu	3	-	3	*
Benson	1029.9	+1	NNW	4	b	47	55	9	*	Cu	1	-	1	*
S. Farnborough	1029.5	0	NW	3	b	49	65	8	-	-	0	-	0	*
London (Kew Obsy.)	1029.1	+1	NNW	3	b	48	65	7	4000	Cu	1	-	1	*
Croydon	1028.5	+2	NNW	4	b	47	65	7	4000	Cu	1	-	1	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1027.2	+4	N	6	bc+	50	65	7	4000	Cu	4	-	4	*
Grain	1027.5	+2	NNW	5	bc+	49	65	8	2500	Cu	4	-	4	*
Lympne	1026.8	+1	NNW	5	b	48	65	8	4000	Cu	2	-	2	*
Scilly (St. Mary's)	1031.9	0	NE	1	bc	59	75	8	4000	Cu	4	-	4	*
Falmouth	1032.8	0	N	3	bc+	53	65	8	4000	Cu	6	-	6	*
Plymouth	1031.9	0	NW	3	b+	52	65	8	4000	St Cu	1	-	1	*
Portland Bill	1031.8	+2	N	4	b	50	65	8		-	0	-	0	*
Calshot	1030.2	+2	N	3	b	49	55	8	-	-	0	-	0	*
Dungeness	1026.3	+3	NNE	4	bc+	50	65	8	5/50	Cu	4	-	4	*
Jersey	1030.4	0	NE	4	b	52	65	8	4000	St Cu	1	-	1	*

Observations at 1800 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	1016.9	-5	SW	5	or₀+	44	97	7	*	Nb	10	-	10	4
Stornoway	1020.8	-3	SW	4	or₀	53	92	7	450	St	10	-	10	3
Wick	1019.6	-4	SSW	5	orr	44	97	7	800	St	10	-	10	4
Castlebay	1025.4		W	4	or₀r	44	97	4	500	Nb	10	-	10	4
Nairn	1021.8	-1	W	4	ofr	44	92	8	1500	St	9	-	9	*
Aberdeen	1025.8	-3	SSW	3	or₀	42	85	5	2500	Nb	10	-	10	1
Malin Head	1028.4	0	WSW	4	o	51	97	7	1500	St.	10	-	10	4
Renfrew	1029.2	-1	SW	4	o	47	85	5	2500	St Cu	10	-	10	*
Inchkeith	1028.4	-1	W/S	3	mo	44	75	7	-	St	10	-	10	3
Eskdalemuir	1030.9	0	S	2	o	40	75	7	-	-	0	A St	10	*
Tynemouth	1029.4	+1	WNW	2	o	44	75	6	-	-	0	A St	10	4
Blacksod Point	1031.4	-1	WSW	3	c+	54	86	8	1000	St	8	-	8	2
Donaghadee	1029.7	+1	WSW	2	o	47	85	8	2500	St	10		10	1
Birr Castle	1033.4	*	W	1	c	48	92	7	4000	St Cu	7	-	7	*
Baldonnell	1033.6	+2	-	0	o+	47	75	8	4000	St Cu	9	-	9	*
Holyhead	1032.7	+2	WNW	3	o	51	85	8	1500	St Cu	10	.	10	1
Liverpool (Bidston)	1032.0	+2	NW	2	o+	45	65	7	2500	St Cu	10	-	10	3
Chester (Shotwick)														*
Howden	1031.7	+3	-	0	c+	35	92	7	4000	St Cu	7	-	7	*
Spurn Head	1030.4	+1	NNW	6	b-	45	85	8	1500	St.	3	-	3	6
Nottingham	1031.8	*	NNW	1	fb	41	85	2	-	-	0	-	0	*
Cranwell	1031.3	+2	NNW	2	b-	38	92	7	-	-	0	A Cu	1	*
Gorleston	1029.3	+5	N	5	bcph	48	65	8	4000	Cu Nb	6	-	6	5
Pulham	1029.4	+3	WNW	3	bPR	43	85	6	4000	St Cu	2	-	2	*
Felixstowe	1029.6	+5	NW'W	3	by	43	92	9	1500	Cu Nb	2	-	2	2
Valencia (Cahirciveen)	1034.9	+1	S'W	2	b	49	85	9	-	-	0	A St	2	1
Roches Point	1034.9	0	E	1	b	45	85	8	4000	St Cu	2	-	2	0
Pembroke (St. Ann's H.)	1033.6	+1	NW	1	b-	47	85	9	4000	Cu	1	-	1	3
Ross-on-Wye	1031.9	+2	-	0	b-	42	85	6	2500	St	1	-	1	*
Benson	1032.4	+3	-	0	b	35	85	7	-	-	0	-	0	*
S. Farnborough	1032.1	+5	-	0	mb	38	85	7	-	-	0	-	0	*
London (Kew Obsy.)	1031.9	+5	NW	2	b	44	65	6	-	-	0	-	0	*
Croydon	1031.1	+2	NW	4	b-	43	75	5	-	-	0		0	*
Clacton-on-Sea	1029.2	+3	NW	3	bc/r	45	85	8	4000	Cu Nb	5	-	5	2
Shoeburyness	1030.6	+4	N	1	b-	42	85	7	4000	St Cu	1	-	1	*
Grain	1030.5	+3	N	3	bc/r	46	75	8	2500	St Cu	4	-	4	3
Lympne	1030.5	+3	NNW	4	bc	43	85	8	1500	St Cu	6	-	6	*
Scilly (St. Mary's)	1033.4	0	NNW	2	b	50	75	9	4000	Cu	3	A St	3	1
Falmouth	1033.6	+2	NNW	2	b-	46	85	7		Cu	1		2	*
Plymouth	1033.0	+2	-	0	mb	49	75	7	-	-	0	-	0	*
Portland Bill	1032.1	+1	N	4	b	45	65	8	-	-	0	-	0	3
Calshot	1031.8	+3	N	3	mb	47	55	7	-	-	0	-	0	0
Dungeness	1029.5	+4	NNE	3	b-	43	85	8	5/50	Cu	2	-	2	4
Jersey	1031.0	0	NE	3	b	50	75	8	-	-	0	-	0	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. 25th								Yesterday.		To-day.
Kew	bw b	b	bc om oc	*	*	27	-	-	8.6	*	*
Croydon (24 hours ended 0700)	b m₀ m₀ 13	bbc gm	bm oxx	*	*	26	-	-	8.4	*	*
Greenwich (Royal Obsy.)	b	b	bo b ow	49	34	28	-	-	7.6	61	74
City (Bunhill Row)	*	*	*	*	*	*	*	*	7.5	*	*
Westminster (St. James' Pk.)	*	*	*	51	34	28	-	-	8.3	63	81
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*		*	-
Camden Sq. (Brit. Rainfall)	b	bc	*	51	34	32	-	-	*	62	83
Kensington Palace	b	b	*	50	34	27	-	-	*	71 (18h)	61
Hampstead Observatory	*	*	*	47	36	25	-	-	9.1	*	77

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.

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

South Kensington	Max.	Time.	Min.	Time.
	1½	0100 23rd	½	1600 23rd
	1	1200 24th		
Kew Observatory	1.2	1800 23rd	<0.2	2400 23rd
	0.8	0800 24th		

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 24th 17h 45m to 25th 5h 45m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	12.0	10.31	88
δ Ursae Minoris	12.0	10.10	85

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 25th & 26th OCTOBER 1921.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.37 / 6.39	11.37 / 11.37	4.36 / 4.35
Greenwich	6.42 / 6.44	11.44 / 11.44	4.47 / 4.45
Wick	7.12 / 7.14	11.56 / 11.56	4.39 / 4.39
Valencia	7.24 / 7.26	12.25 / 12.25	5.26 / 5.24

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, or fine rain. f fog.
- h hail. KQ line squall. l lightning.
- m mist. o overcast sky.
- p passing showers. r rain.
- rs sleet, i.e., rain and snow together.
- s snow. 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 ₀ indicates slight and repetition of letters continuity, thus:—
B = 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.	Metres per second.
0	Less than 1	Less than 0·3
1	1-3	0·3-1·5
2	4-7	1·6-3·3
3	8-12	3·4-5·4
4	13-18	5·5-7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

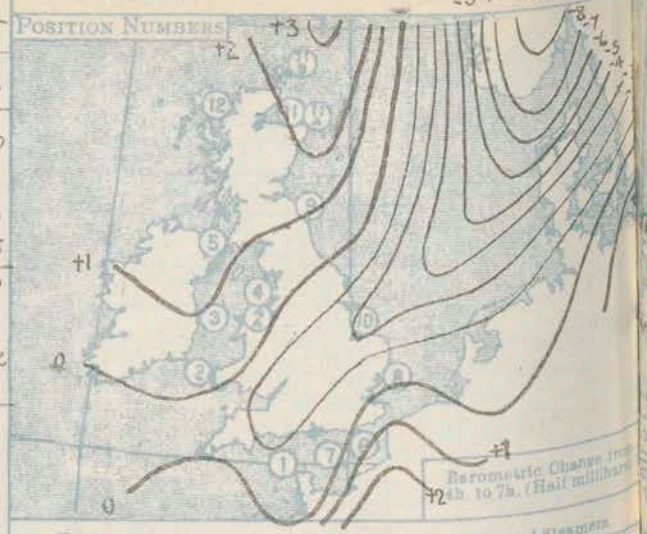
* Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 24th	13h.-18h. 24th	18h. 24th to 1h. 25th	1h.-7h. 25th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on G'BARS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. Hours.
Lerwick	b. bc	p	p	o.o	45	38	*	trace	2	1430	<2100	*
Stornoway	c	o.o	f or d	f or d	53	53	*	1	2	-	-	0.0
Wick	oo	o m r r	o m d	o m d	45	43	*	1	2	1430	<2100	*
Castlebay	c. op	o p r r	f o r. o.	o p. o	51	44	*	1	0.4	1430	-	0.0
Nairn		f. d	c		44	32	*	3	0.2	1100	-	2.3
Aberdeen	e	o. m	i f o m. o		47	40	38	0.2	2	1030	<2400	3.5
Malin Head	oo	o.o	oo	o.o	52	51	*	trace	0.3	<0800	<2100	0.0
Renfrew	f m	o m z	o i d. o. m	o i m. o	47	46	45	-	-	-	-	?
Inchkeith	f. m	f. m	c	o.o	45	43	43	-	-	-	-	*
Eskdalemuir	c	c	o o i f.	o i f.	45	38	38	-	0.2	-	2400	4.2
Tynemouth	b. b o r m	o o m	m f o r.	o o i m	46	43	*	-	0.3	-	<2100	*
Blacksod Point ...	b o r b c	c	b o r b c	b o r b c	54	53	*	-	0.3	-	5.30	*
Donaghadee	c	c m	b c	b c	51	48	*	-	-	-	-	*
Birr Castle	c	c q	c	o f f m	53	44	38	-	0.1	-	-	5.0
Baldonnell	b b c i m	o o	c	o. o m	55	46	41	-	-	-	-	6.4
Holyhead	o. b r. c. o	o o	c. o	o o	53	50	47	-	-	-	-	5.8
Liverpool (Bidston) ...	b o r b c	b. b c	o. o		53	40	34	-	-	-	-	7.7
Chester (Shotwick) ...												*
Howden	b. b c	b. b c	o.o	o.o	49	35	27	-	-	-	-	8.1
Spurn Head	b. b c	b o r b c	c	o.o	48	39	*	0.4	-	-	-	6.4
Nottingham	b. b c	b. b c f	c m		49	38	33	-	-	-	-	7.2
Cranwell	b o r b c	b. b c	x. i m. m	c m i m	47	35	28	-	-	-	-	9.0
Gorleston	h o r r h	b c q b h	b o r b c	b c c m	50	38	37	1	-	<0800	-	4.5
Pulham	p	p	b o r b c	c	49	35	32	200	-	-	-	5.9
Felixstowe	b o b c q v	q p r h		c v	50	39	36	2	-	1830	-	7.4
Valencia (Cahirciveen)	b	b	b. b c	c.o	55	43	40	-	-	-	-	8.3
Roches Point	b. b c	c	b o r b c		54	43	*	-	0.3	-	-	*
Pembroke (St. Ann's H.)	b. b c	b. b c	b o r b c	b o r b c	53	46	*	-	-	-	-	8.4
Ross-on-Wye	b x r. b c. b	b c b r z	b m	b m b c b	50	32	28	-	-	-	-	9.3
Benson...	b. b c	b. b c	b o r b c		48	29	25	-	-	-	-	*
S. Farnborough ...	b. b c	b. b c	b o r b c		49	28	24	-	-	-	-	9.3
London (Kew Obsy.) ...	b w. b.	b	b. b	b c c m c	49	35	27	-	-	-	-	8.6
Croydon	b r m z	b b c b z m	b m m c	b o m m z (?)	48	32	26	-	-	-	-	8.4
Clacton-on-Sea ...		b c p r h	b c. b	b c m	49	35	31	1	-	1430	-	7.6
Shoeburyness	b o r b c	c	f o r m		50	33	25	-	-	-	-	7.8
Grain	b o r b c	i d.	b o r b c		51	30	24	trace	-	-	-	8.0
Lympne	b. b c	b c c f	b o r b c	b b c c o i m	49	37	31	trace	-	1630	-	8.4
Scilly (St. Mary's) ...	c	b. b c	b o r b c	b o r b c	59	46	*	-	-	-	-	6.1
Falmouth	b z. b c	b c. b b z	b m w	b	54	40	35	-	-	-	-	8.0
Plymouth	b. b c	b. b c	b o r b c	b o r b c	53	38	29	-	-	-	-	9.4
Portland Bill	b. b c	b. b c	b o r b c	b o r b c	53	40	*	-	-	-	-	*
Calshot	b. b c	b. b c	f o r m	b o r b c	50	36	33	-	-	-	-	8.6
Dungeness	b. b c	c	b o r b c	b b m x	50	34	*	-	-	-	-	*
Jersey	b	b	b w x	b w x	53	43	*	-	-	-	-	8.5

ISALLOBARS — 25th October



Temperature reported from Cross Channel and Coastal Steamers

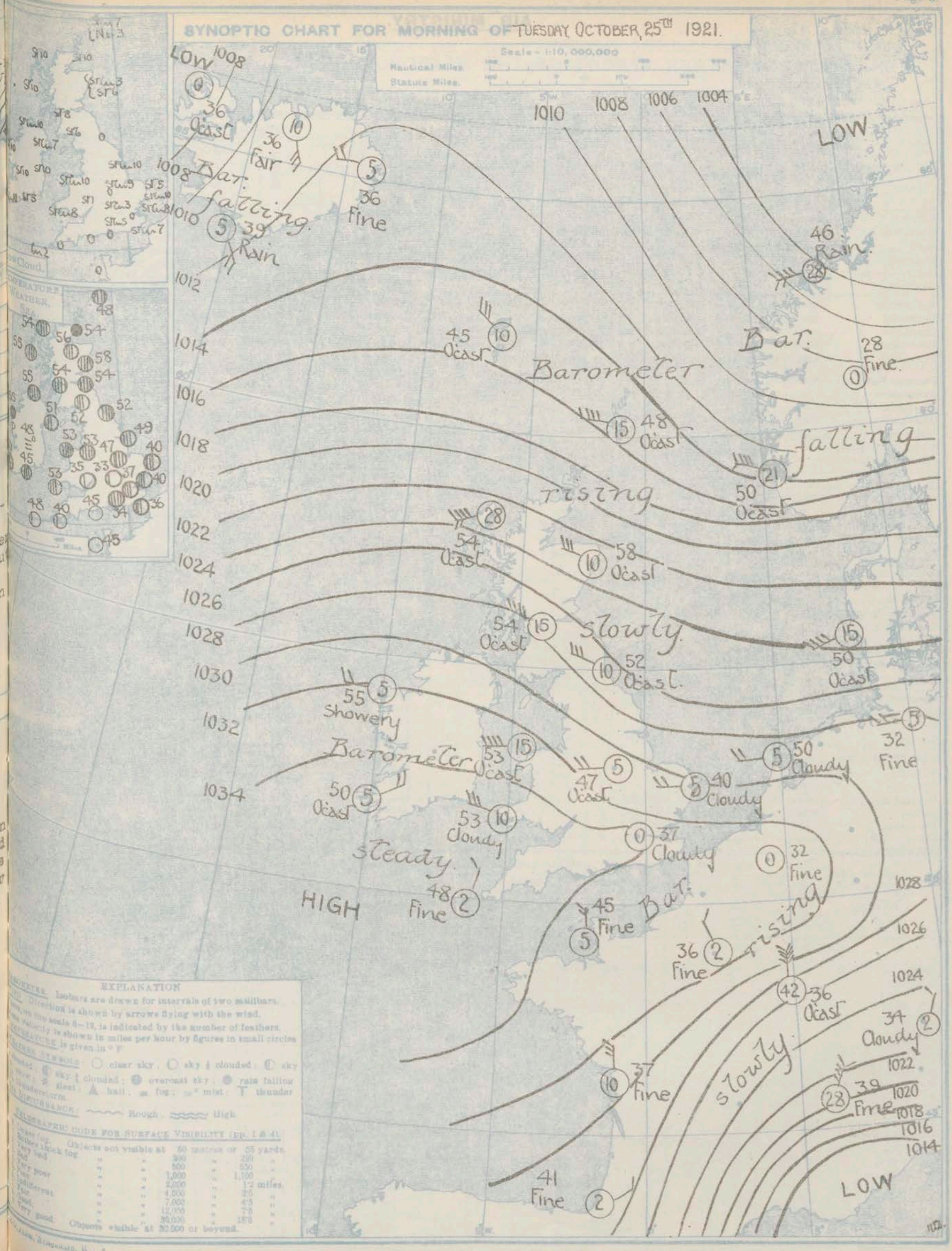
Position Number.	6	3.	6.	7.
Date	24th	24th	25th	25th
Time G.M.T.	0400	1035	0800	0837
Sea ° F.	59	56	60.5	61
Air ° F	46	48	50	51

GENERAL INFERENCE.

The anticyclone extending over our South-Western and Southern districts from the Atlantic will maintain fair to fine weather in its vicinity for some time, but depressions, moving East from Iceland, may cause occasional rain in the North and North-West.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday October 25th 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind between West and North-West, light; fine generally; visibility fair or good; temperature rising somewhat, but local ground frost at night.	Fair, probably for several days, in the South and South-West; much cloud, with some rain or showers in the North-West and North; temperature will become higher in the South-East and South.
5. S.W. England 6. South Wales	Wind between North-West and North, light; fine; visibility fair or good; little change of temperature.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind mainly West, moderate or light; cloudy; visibility fair or good; 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	Wind West, moderate, backing somewhat; cloudy or overcast, some rain or showers; moderate temperature.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind light, mainly between North-West and West; fair to cloudy generally; visibility fair; moderate temperature.	

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


SYNOPTIC CHART FOR MORNING OF TUESDAY OCTOBER 25TH 1921.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
Bar. falling.
Barometer
Bar. falling
Bar. rising
Barometer
steady
HIGH
slowly
LOW
EXPLANATION
Isobars are drawn for intervals of two millibars.
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 ½ clouded, sky overcast, rain falling, sleet, hail, fog, mist, thunder
DISTURBANCE: Rough, High
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PP. 1 & 41)
Objects not visible at 50 metres or 55 yards
Objects visible at 30,000 or beyond

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION TUESDAY 25th OCTOBER 1921. No. 298

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	1013.5	-2	WNW	5	o/r	50	85	7	-	Nb	10	-	10	*
Stornoway	1022.7	+2	W	4	r.	*	*	5	*	*	*	*	*	*
Wick	1018.3	+1	WNW	3	dd.	54	97	8	800	St.	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1028.7	0	W	3	o	54	97	7	1500	St.	10	-	10	*
Renfrew	1027.3	-1	SW	3	od.	54	92	7	1500	St.	10	-	10	
Inchkeith	1027.7	-3	WSW	5	bc-	51	92	8	-	St.Cu	4	A.Cu	6	*
Eskdalemuir	1029.2	0	S'W	2	o/r	45	97	7	1500	St.	10	-	10	*
Tynemouth	1026.7	-5	W	4	o/r	49	85	7	2500	St.	10	-	10	*
Blacksod Point ...	1032.0	0	W	1	b	54	92	7	4000	St.	1	-	1	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1033.7	0	SW	4	c	47	85	8	4000	St.Cu	5	A.St	7	*
Holyhead	1032.7	-1	WS	4	o	*	*	8	1500	St.Cu	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sholwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1030.7	-2	SSW	2	o	42	85	6	2500	St.	10	-	10	*
Spurn Head	1030.9	-1	W	4	o+	45	85	7	-	-	-	A.St	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1032.3	0	W	3	mmo	40	85	5	4000	St.Cu	8	A.Cu	10	*
Gorleston	1030.6	+1	NW	3	b	42	92	8	-	-	-	A.Cu	3	*
Pulham	1032.2	+2	WS	3	bc	47	97	7	4000	St.Cu	1	A.Cu	5	*
Felixstowe														*
Valencia (Cahirciveen)	1037.5	0	-	0	o+	50	92	5	-	St.Cu	9	-	9	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St.Ann's H.)	1035.2	+1	-	0	b	47	92	9	-	-	-	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	37	*	*	*	*	*	*	*	*
Croydon	1034.0	+1	SW	1	b+	33	97	6	-	-	-	Ci.Cu	1	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1032.9	+2	N	3	b	39	92	8	-	-	-	-	0	*
Scilly (St. Mary's) ...	1035.1	0	NNE	1	bc+	50	75	9	4000	Cu	4	-	4	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1035.2	0	-	0	b	41	97	8	-	-	-	-	0	*
Portland Bill	1035.5	+2	NE	4	b	45	85	8	-	-	-	-	0	*
Calshot	1034.1	+1	NNW	2	bm.	37	92	7	-	-	-	-	0	*
Dungeness	1032.2	+2	N	2	b	37	97	8	-	-	-	-	0	*
Jersey 7h. / Guernsey 1h.	1035.0	+1	NE	3	b	49	55	8	-	-	-	-	0	*

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	1015.9	+3	WNW	4	o	48	92	7	*	St.Cu	10	-	10	3
Stornoway	1022.0	+1	W	6	odd	54	97	5	450	St.	10	-	10	4
Wick	1020.2	+2	SW	2	ORO	54	92	6	800	St.	10	-	10	0
Castlebay	1027.0	+1	W	4	o/r	55	97	6	2500	St	10	-	10	4
Nairn	1022.5	*	WSW	3	c	56	85	8	1500	St.	8	-	8	3
Aberdeen	1022.8	+2	W'N	3	o/r	58	75	8	2600	St	9	-	9	0
Malin Head	1029.6	+1	W	3	o	55	97	7	2500	St.Cu	10	-	10	4
Renfrew	1028.1	+1	WNW	4	o+	54	85	8	1500	St.	8	Ci.St	10	*
Inchkeith	1027.7	-1	W	5	o	54	85	8	-	-	-	Ci.Cu	9	4
Eskdalemuir	1028.8	0	SW	2	c-	52	85	8	1500	St.	6	A.St	8	*
Tynemouth	1026.0	+1	WNW	3	o	52	92	7	-	-	-	A.St	10	3
Blacksod Point ...	1032.4	+1	W	2	opr.	55	92	7	1500	St	10	-	10	1
Donaghadee	1029.6	+1	W	1	c+	51	92	8	5750	St.Cu	7	A.Cu	8	1
Birr Castle	1033.9	*	SW	1	mmo	48	97	5	2250	St	10	-	10	*
Baldonnell	1034.2	+1	SW'W	3	o	48	97	5	450	St.	10	-	10	*
Holyhead	1033.5	+1	W	4	o	53	97	8	1500	St.Cu	10	-	10	3
Liverpool (Bidston) ...	1031.3	+1	W	4	o	53	85	8	800	Nb	10	-	1	1
Chester (Sholwick) ...														*
Howden	1029.3	-1	W	3	o	50	92	6	2500	St.Cu	10	-	10	*
Spurn Head	1028.7	-1	W	4	c-	49	92	7	-	-	-	A.St	8	4
Nottingham	1031.3	*	W	2	o+	47	85	5	-	-	-	A.St	10	*
Cranwell	1030.4	-2	W'N	4	o	45	92	6	4000	St.Cu	9	-	9	*
Gorleston	1030.0	-1	W	2	mc	40	92	5	2500	St.	5	A.Cu	8	0
Pulham	1031.4	-1	WSW	2	o	40	92	5	7250	St.Cu	9	-	9	*
Felixstowe	1032.5	0	NW'W	3	o	42	85	8	3750	St.Cu	10	-	10	2
Valencia (Cahirciveen)	1035.5	0	ENE	2	o	50	92	8	2500	St.Cu	10	-	8	1
Roches Point	1036.1	0	NNW	2	c	45	92	7	1500	St.	5	Ci	8	0
Pembroke (St.Ann's H.)	1034.9	0	WNW	3	c+	53	92	9	4000	St.Cu	8	-	2	2
Ross-on-Wye	1033.5	-1	-	0	b-	35	97	8	1500	St.	1	Ci.Cu	*	*
Benson	1034.3	-1	-	0	b	33	97	7	-	St.Cu	3	-	3	*
S. Farnborough ...	1033.7	0	WNW	2	o	36	97	7	5750	St.Cu	5	A.Cu	10	*
London (Kew Obsy.) ...	1034.2	0	-	0	c	37	85	6	-	-	-	A.Cu	8	*
Croydon	1033.8	0	-	0	o+	37	92	6	5750	St.Cu	10	-	10	*
Clacton-on-Sea ...	1032.3	0	WNW	3	c+	40	85	7	7250	St.Cu	8	-	8	1
Shoeburyness	1033.2	0	?	1	fo-	38	85	3	2500	St.Cu	9	-	9	*
Grain	1033.7	0	-	0	mmo	39	85	6	4000	St.Cu	9	-	9	0
Lympne	1033.3	0	NW	2	o	37	85	7	4000	St.Cu	7	A.Cu	9	*
Scilly (St. Mary's) ...	1035.1	0	NE	1	b-	48	83	9	4000	Cu	2	-	2	1
Falmouth	1035.3	0	N	2	b	40	92	8	-	-	-	A.Cu	3	*
Plymouth	1035.2	0	-	0	b-	38	97	8	-	-	-	A.Cu	2	*
Portland Bill	1034.5	-1	NE	3	b	45	85	8	-	-	-	-	0	2
Calshot	1033.9	0	NW	2	bc+	38	97	6	-	-	-	A.Cu	6	0
Dungeness	1033.1	+1	N	2	c+	36	92	6	-	-	-	A.Cu	8	3
Jersey 7h. / Guernsey 1h.	1033.6	0	N	2	b	45	75	7	-	-	-	-	0	0

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 23-24h. mm.	Rainfall.† Day 9h.-17h. 24h. mm.	Sunshine. Sunrise to 17h. 24h. hr.	Sunshine. Sunrise to Sunset. 23rd. hr.
Banff	6.bc.c	odr	46	39	0.6	0.4	2.6	3.8
Montrose	bc	bc.o	49	34	-	0.2	4.0	1.2
Llandudno	c.c.b	bc	52	44	-	-	5.4	1.8
Colwyn Bay ...	b	b	52	45	-	-	6.9	1.3
Rhyl	bc.b	b.bc	57	35	-	-	4.5	1.2
Southport	x6.b.bc.o	o	49	32	-	-	7.3	2.8
Blackpool	b.bc.c	c	51	30	-	-	7.3	2.4
Harrogate	b	b.bc	48	34	-	-	8.6	0.5
Skegness	bcp.b	b	50	36	0.3	-	7.0	4.5
Aberystwyth ...	c.b.b	bc.o	52	31	-	-	6.5	1.5
Bath	m.b	b	50	31	0.3	-	9.0	0.0
Leamington Spa ...	b	b	50	32	-	-	8.3	0.0
Lowestoft	c.opb	c.op.bc	50	42	2	2	5.3	4.5
Felixstowe	bc	bcp	50	34	-	12	7.5	5.6
Southend	b	b	52	36	-	-	8.0	4.8
Paignton	b	b	56	38	-	-	9.4	3.1
Ilfracombe	b	b.bc.c	55	44	-	-	9.2	0.0
Bude	b.bc	bc	53	30	11	-	8.5	0.0
Penzance	b.bc	bc	55	38	0.3	-	7.2	0.0
Torquay	b	b	56	34	0.2	-	9.4	3.9
Weymouth	b	b	54	35	-	-	9.2	4.0
Bournemouth ...	-	-	50	35	-	-	9.6	3.5
Portsmouth (S'thsea)	b	b	50	34	2	-	8.9	3.4
Worthing	b	b	49	36	0.2	-	9.0	3
Brighton	b	b	51	34	3	-	8.6	4.9
Eastbourne ...	b	b	50	34	0.2	-	8.9	
Hastings							8.0	5.4
Folkestone	c.bc	bc.o	50	35	-	-	8.1	4.2
Tunbridge Wells ...	b	b	51	35	-	-	7.2	5.5
Ramsgate	bc	bc	52	41	-	-	6.2	5.0
Margate	b	bc.c	50	44	-	-	7.4	5.5
Deal	b.bc	bc	49	40	-	-		

* 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. 21 888 Wednesday, 26th October 1921. Page 1.

Observations at 1300 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	1020.4	+3	NW	3	bc-	50	85	7	1250	Cu Nb	4	A Cu	6	*
Stornoway	1026.2	+2	W	5	o/r	56	92	5	450	St	10	-	10	*
Wick	1023.7	+3	NW	4	o/r	54	97	8	225	St	7	Ci Cu	9	*
Castlebay	1029.6	+1	W	4	mmo	55	97	5	1500	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1025.5	+2	WNW	3	o+	61	75	8	1500	St Cu	9	-	9	*
Malin Head	1031.7	+2	W	3	o	56	97	8	2500	St Cu	10	-	10	*
Renfrew	1030.7	+2	W	4	o	59	85	8	1500	St Cu	10	-	10	*
Inchkeith	1027.2	+2	W	4	o	58	85	7	+	-	0	A Cu	9	*
Eskdalemuir	1029.2	c	WNW	6	c	57	75	8	1500	St	4	Ci	7	*
Tynemouth	1028.4	+2	NW	2	bc-	60	85	8	-	-	0	Ci Cu	6	*
Blacksod Point	1033.9	+2	W	2	od₀	57	75	8	1500	St	10	-	10	*
Donaghadee	1031.8	+1	W	1	c	58	85	8	5750	St Cu	4	A Cu	8	*
Birr Castle	1033.6	*	SW	1	o-	56	92	7	4000	St Cu	9	-	9	*
Baldonnell	1034.9	0	W/N	3	o+	55	85	8	1500	St Cu	10	-	10	*
Holyhead	1033.8	+1	W	4	o-	55	92	8	4000	St Cu	6	A Cu	10	*
Liverpool (Bidston)	1032.5	+1	W	4	c-	55	85	8	2600	Cu	7	-	7	*
Chester (Shotwick)														
Howden	1030.1	0	WNW	5	bc	60	75	8	4000	St Cu	5	A St	6	*
Spurn Head	1029.7	0	WNW	4	b-	57	65	7	1500	St	2	A Cu	3	*
Nottingham	1031.3	=	WNW	2	b-	59	75	5	4000	Cu	2	-	2	*
Cranwell	1030.9	0	W/N	3	bc	56	85	6	2000	St	3	Ci	4	*
Gorleston	1029.8	0	NW	4	bc-	51	85	6	+	St	3	A Cu	5	*
Pulham														*
Felixstowe	1032.1	0	NW/W	3	o	52	85	8	2500	St	10	-	10	*
Valencia (Cahirciveen)	1036.6	0	SW	2	o	56	75	8	1500	St Cu	10	-	10	*
Roches Point	1036.3	0	NW	2	o	56	85	8	4000	St Cu	10	-	10	*
Pembroke (St. Ann's H.)	1035.5	0	NW	2	o	55	92	9	2500	Nb	10	-	10	*
Ross-on-Wye	1035.3	0	WSW	2	o	54	85	9	4000	St Cu	9	-	9	*
Benson	1033.1	+1	NW	2	c+	57	75	8	+	St Cu	8	-	8	*
S. Farnborough	1033.0	-2	W/N	4	b+	59	75	8	5750	Cu	1	Ci	3	*
London (Kew Obsy.)	1033.1	-3	NW	2	o/f	55	75	7	5750	St Cu	1	A Cu	7	*
Croydon	1032.9	-1	W	2	c	55	75	6	4000	St Cu	5	A Cu	7	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1032.5	-1	WNW	1	bff	54	75	6	4000	St	10	-	10	*
Grain	1032.6	-1	WNW	3	mmo	54	65	4	2500	St	10	-	10	*
Lympne	1032.7	-2	WNW	2	o	51	65	7	2500	St	7	A St	10	*
Scilly (St. Mary's)	1036.0	0	NNW	2	b	58	75	9	4000	Cu	3	-	3	*
Falmouth	1035.3	-1	N	4	bc	57	65	8	5750	St Cu	5	-	5	*
Plymouth	1034.6	-1	NNW	3	b	58	65	9	4000	St Cu	1	-	1	*
Portland Bill	1034.8	+1	N	4	b+	55	85	8	-	-	0	Ci St	2	*
Calshot	1033.5	0	NW	2	bc-	57	75	8	-	-	0	Ci	6	*
Dungeness	1032.7	0	NW	2	d	53	65	8	-	-	0	Ci St	10	*
Jersey	1033.8	0	NE	3	b	50	65	8	4000	St Cu	1	-	1	*

Observations at 1800 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	1023.3	+5	NW	2	o+	49	92	7	+	Nb	10	-	10	1
Stornoway	1028.2	+3	W	4	o	54	92	5	800	St	10	-	10	3
Wick	1026.2	+3	WNW	1	o+	54	97	8	800	St	10	-	10	0
Castlebay	1031.6	+1	W	4	fo+	54	97	3	800	St	10	-	10	4
Nairn	1028.1	*	W	1	c+	57	85	8	4000	St Cu	7	-	7	*
Aberdeen	1027.8	+3	WNW	3	b-	57	85	8	4000	St Cu	1	-	1	0
Malin Head	1032.6	+1	W	2	o	54	97	8	1500	St Cu	9	-	9	3
Renfrew	1032.0	+2	WSW	2	o	55	92	8	1500	St Cu	10	-	10	*
Inchkeith	1029.9	+3	W	3	bc-	55	85	7	+	St Cu	5	-	5	
Eskdalemuir	1031.3	+4	SE	1	c.	54	85	8	1500	St Cu	7	-	7	*
Tynemouth	1029.8	+3	W	2	bc.	56	92	5	2500	St	2	A Cu	4	2
Blacksod Point	1034.2	0	WSW	3	c-	55	92	7	1500	St	8	-	8	1
Donaghadee	1035.0	+2	W	1	c+	56	85	8	5750	St Cu	6	A Cu	8	0
Birr Castle	1035.2	*	W	1	o+	54	92	6	450	St	10	-	10	*
Baldonnell	1034.9	+1	W/S	1	o	53	85	8	1500	St Cu	10		10	*
Holyhead	1033.9	0	NW/N	3	b	56	92	8	-	-	0	A St	3	3
Liverpool (Bidston)	1033.4	+2	W	4	o	55	85	8	2500	St	10	-	10	3
Chester (Shotwick)														*
Howden	1030.6	+1	W	2	b-	50	92	7	4000	St	2	A St	3	*
Spurn Head	1030.2	+1	WNW	3	b	55	85	8	1500	St	1	-	1	4
Nottingham	1032.2	*	WNW	7	b	55	85	4	-	-	0	Ci St	2	*
Cranwell	1031.4	+2	NW/N	3	b	50	97	6	4000	St Cu	2	A Cu	3	*
Gorleston	1030.8	+1	W/N	3	mb	51	92	5	-	-	0	-	0	0
Pulham	1031.3	0	W/S	3	b	51	92	5	-	-	0	-	0	*
Felixstowe	1032.0	+2	WNW	3	o+	53	92	6	4000	St Cu	10	-	10	1
Valencia (Cahirciveen)	1036.0	0	SW	1	o	54	85	8	4000	St Cu	10	-	10	1
Roches Point	1035.8	0	NW	1	o	55	92	7	2500	St	10	-	10	0
Pembroke (St. Ann's H.)	1035.1	+1	-	0	o	55	97	9	2500	Nb	10	-	10	2
Ross-on-Wye	1033.2	0	SW	1	o-	53	85	9	2500	St	9	-	9	*
Benson	1033.3	+1	-	0	o+	52	85	7	+	St Cu	10	-	10	*
S. Farnborough	1033.2	+1	-	0	mo	55	85	7	2500	St Cu	10	-	10	*
London (Kew Obsy.)	1033.1	+1	W	1	mb	51	85	4	-	-	0	-	0	*
Croydon	1032.5	+1	W	2	c-	50	92	6	-	-	0	A Cu	7	*
Clacton-on-Sea	1031.8	+1	W	2	c	53	85	4	7250	St Cu	8	-	8	0
Shoeburyness	1032.7	-1	-	0	mmo	52	85	5	4000	St Cu	9	-	9	*
Grain	1031.3	-1	-	0	bc.	46	92	6	4000	St Cu	5	-	5	0
Lympne	1032.5	+1	NW/W	2	o	50	85	4	800	St	10	-	10	
Scilly (St. Mary's)	1034.8	0	N	2	o+	54	85	8	4000	St Cu	10	-	10	1
Falmouth	1035.1	0	NNW	2	mo+	53	85	5	+	St	9	-	9	*
Plymouth	1034.7	+2	NNW	1	c+	54	85	6	2500	St	7	-	7	*
Portland Bill	1034.8	0	N	4	bc+	56	85	8	-	-	0	Ci Cu	6	3
Calshot	1033.4	+1	NW	3	o+	56	85	7	4000	St Cu	10	-	10	0
Dungeness	1032.1	0	NNW	2	o	51	85	6	-	-	0	Ci St	10	2
Jersey	1033.2	0	NE	2	b	53	85	8	-	-	0	-	0	0

London Observations. (Weather, Temperature, Rainfall and Min. on Grass: 24 hours ended 0900 G.M.T. 26th; 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 (24 hours ended 0700)	bmoacm	cog bm	am.of f₀	*	*	35	-	trace	4.6	*	*
Croydon (24 hours ended 0700)	mmcv	coazm	ambf off	*	*	36	-	-	3.2	*	*
Greenwich (Royal Obsy.)	b.om	om	omb.f.	56	39	33	-	-	0.8	76	94
City (Bunhill Row)	*	*	*	*	*	*	*	*	1.0	*	*
Westminster (St. James' Pk.)	*	*	*	57	41	34	-	-	2.2	75	100
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	2.2	*	*
Camden Sq. (Brit. Rainfall)	bm	c	*	57	40	38	-	-	*	80	100
Kensington Palace	b.bc	o.c	*	57	41	33	-	-	*	85 (8h)	100
Hampstead Observatory	*	*	*	55	41	36	-	trace	2.7	*	96

Atmospheric Pollution. ~~Lbs. of Solid impurity per million cubic yards.~~ milligrammes per cubic metre
24 Hr. ended 1800 G.M.T. 25th

	Max.	Time.	Min.	Time.
South Kensington	2 / 4	2100 24th / 1800-1100 25th	0.5	1500 25th
Kew Observatory	1.6 / 1.2	2200 24th / 0800 25th	0.2	1400 25th

Solar Radiation. Vertical component per square centimetre.
During yesterday.
South Kensington.
Total .... joules
Average Rate .... Milliwatts.
Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.
Exposure from 25th 17 h. 45 m. to 26th 5 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	12.0	5.52	49
δ Ursae Minoris	12.0	3.25	28

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.
26th & 27th October 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.39 / 6.41	11.37 / 11.37	4.35 / 4.33
Greenwich	6.44 / 6.46	11.44 / 11.44	4.44 / 4.42
Wick	7.14 / 7.17	11.56 / 11.56	4.37 / 4.35
Valencia	7.26 / 7.24	12.25 / 12.25	5.24 / 5.22

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, *i.e.*, rain and snow together.
s snow. 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1-3	0·3-1·5
2	4-7	1·6-3·3
3	8-12	3·4-5·4
4	13-18	5·5-7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

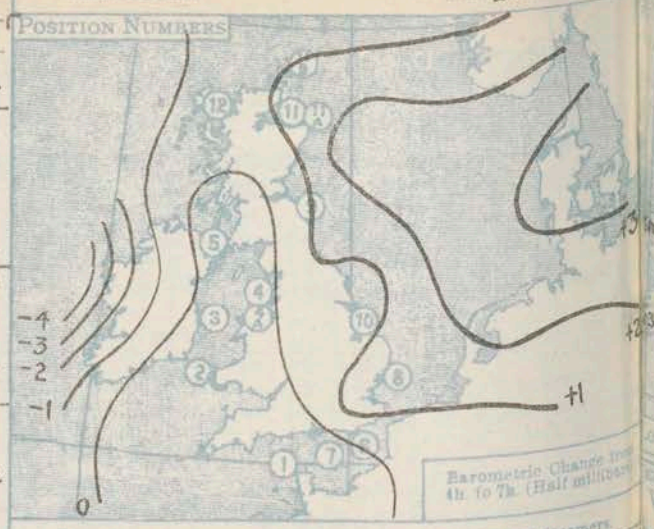
* Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 8.

SUMMARIES FOR THE PAST 24 HOURS

STATIONS.	WEATHER. 7h.-13h. 25th	13h.-18h. 25th	18h. 25th to 1h. 26th	1h.-7h. 26th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL. Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. Hours.
Lerwick	b.bc	b.bc	r or d	ff	51	48	*	-	-		-	*
Stornoway	r.d	oo	c	o.o	56	50	*	1	-		-	0.0
Wick	om dd	oo	b.bc	c	55	47	*	2	-	<0800	-	*
Castlebay	om	omdff	dfobc	bcopo	55	52	*	-	0.5	1700	-	0.0
Nairn	c		c		58	48	*	-	-		-	0.0
Aberdeen	c	c	bbcom		61	50	42	-	-		-	0.2
Malin Head	c	c	b.bc	c	57	49	*	-	-	-	-	0.9
Renfrew	oo	oo	o.o	o.o	61	49	45	-	-		-	?
Inchkeith	oo	c	form	form	58	51	48	-	-		-	*
Eskdalemuir	c	c	b or bc		54	39	33	-	-		-	5.2
Tynemouth	c	b.bo/m	b.bc m	c.m	60	53	*	-	-		-	*
Blacksod Point ...	r.d	c	r or d	r or d	58	52	*	0.1	1	-	-	*
Donaghadee	cm	c	cm	cm	58	47	*	-	-		-	*
Birr Castle	cf-m	od	c	c	56	50	49	0.1	-	<0800	-	0.4
Baldonnell	oo	oo	o.o	o.o	58	49	45	trace	-	9.0	-	1.3
Holyhead	oo	b.bc	b or bc	bcwcf	58	47	40	-	trace		-	3.1
Liverpool (Bidston) ...	oo	o	c		56	52	44	-	-	-	-	0.7
Chester (Shotwick) ...												*
Howden	c	b.bc	F	F	61	36	34	-	-		-	5.8
Spurn Head	b.bc	b.bc	b.bc	b.bc	58	51	*	-	-			3.7
Nottingham	c	c	f		60	43	42	-	-		-	3.0
Cranwell	im/m	im	wim.m	oo/m	58	46	40	-	-		-	6.3
Gorleston	bc/m	c	bcm.m	form	56	46	43	-	-		-	1.2
Pulham		b.bc	b.bc	form	56	40	36	-	-		-	2.4
Felixstowe	oo	c	F		57	44	43	-	0.1		-	1.0
Valencia (Cahirciveen)	oo	o	o	o.c	57	46	40	-	-		-	0.0
Roches Point	oo	oo	o.o		57	52	*	-	-		-	*
Pembroke (St. Ann's H.)	oo	oo	o.o	c	57	50	*	-	-		-	1.2
Ross-on-Wye	oo	ov	c.bc.o	o.o	54	49	41	-	-			0.2
Benson	b.bc	oo	form		54	47	43	-	-		-	*
S. Farnborough ...	b.bc	c	form		59	40	33	-	-		-	5.4
London (Kew Obsy.) ...	bmw/cm	c.oj.bm	om	ofFw	54	42	35	-	trace	-	-	4.6
Croydon	mmwcf	c.o.c/j.m	omim	omfbff	54	41	36	-	-	-	-	3.2
Clacton-on-Sea ...	bcm.c.o	o.cm	com	ombf	55	45	42	-	-	-	-	1.0
Shoeburyness	f.m	f.m	F		56	43	39	-	-		-	0.6
Grain	f.m	c	?		56	38	32	-	trace		-	0.6
Lympne	o.c.o/m	om	b.bc	bmfe	52	45	33	-	trace		-	0.3
Scilly (St. Mary's) ...	b.bc	b.bc	o.o	o.o	59	53	*	-	-		-	7.7
Falmouth	c.bc	o.om	odm	om	59	51	50	-	0.5		<2100	4.7
Plymouth	b.bc	b.bc	b.bc	o.o	58	47	40	-	-		-	8.2
Portland Bill	b.bc	c	c	o.o	57	49	*	-	-		-	*
Calshot	f.m	c	c	c	59	51	50	-	-		-	6.0
Dungeness	oo	oo/mw	Emm	F.F	54	43	*	-	-		-	*
Jersey	b	b	b	b.o	57	50	*	-	-		-	8.8

ISALLOBARS.

26th Oct.



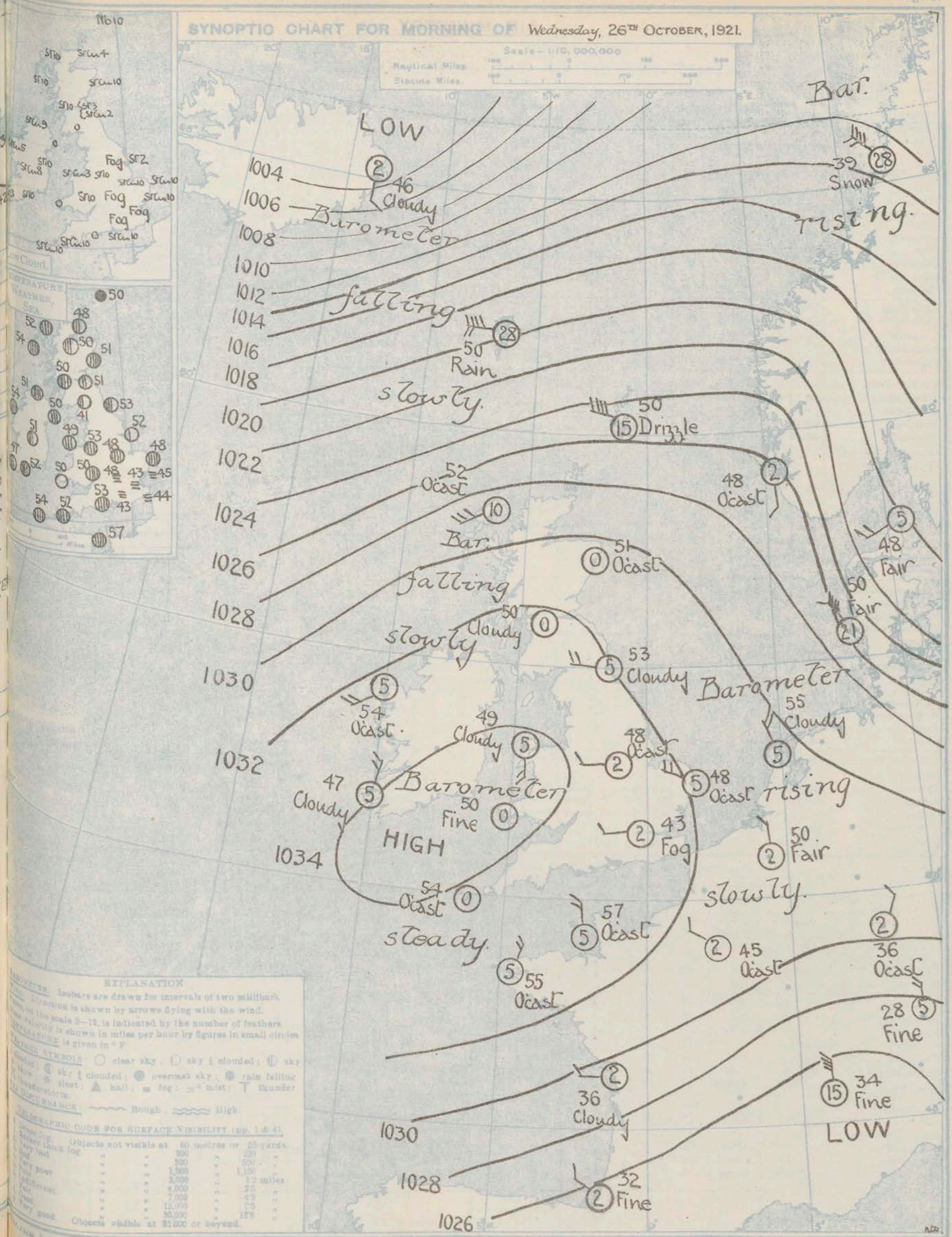
Temperature reported from Cross Channel and Coastal Steamers.

Position Number	3.	1.	7.	6.
Date	25th	25th	26th	26th
Time G.M.T.	1000	1230	0235	0800
Sea ° F.	57	60	61	59
Air ° F.	54	56	59	57

GENERAL INFERENCE.

The anticyclone centred over the St.George's Channel will move slowly Eastward and maintain fair weather over the Southern half of the Kingdom for some days, but depressions passing to the Northward of Scotland will cause occasional rain in the North. A large depression far to the Westward of Ireland will probably soon begin to affect our Western coasts.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday October 26th 1921.	Farther Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind North-West or West, light; fair to cloudy; visibility fair, but some local mist; day temperature moderate, risk of local night frost; fog in early morning.	Fair, probably for several days, in the South and S.W., unsettled in the W. and N.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Moderate Westerly to South-Westerly wind; cloudy; visibility fair or good; 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	Wind Westerly, moderate or fresh; cloudy, local rain or showers; visibility mainly good; moderate temperature.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind West to South-West, light to moderate, freshening later; cloudy; visibility fair, but local mist; moderate temperature.	


SYNOPTIC CHART FOR MORNING OF Wednesday, 26TH OCTOBER, 1921.
Scale – 1/10,000,000
Nautical Miles
Statute Miles
LOW
Bar.
Snow
rising.
Barometer
falling
Rain
slowly.
Drizzle
Ocast
Bar.
falling
slowly
Cloudy
Ocast
Fair
Barometer
Cloudy
rising
Fog
slowly.
HIGH
Fine
steady.
Ocast
Fine
LOW
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
1028
1030
1032
1034
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind.
Force, on the scale 0—12, is indicated by the number of feathers.
Wind velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in ° F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough. High.
METEOROGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
Objects not visible at 50 metres or 55 yards
Objects visible at 32,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Wednesday, 26th October 1921. No. 299.

Observations at 0100 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	1024.3	+2	WNW	4	bc-	52	97	7	-	Nb	5	-	5	*
Stornoway	1031.2	+2	SW	5	o	*	*	5	*	*	*	*	*	*
Wick	1028.5	+2	W	1	b	52	97	8	-	-	-	A.Cu	2	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1033.2	+1	WSW	2	b-	53	92	8	-	-	-	-	0	*
Renfrew	1033.1	+1	SW	1	o	54	92	8	1500	St.Cu	10	-	10	*
Inchkeith	1031.7	+2	W	3	mo-	53	92	7	-	St.Cu	9	-	9	*
Eskdalemuir														*
Tynemouth	1031.5	+1	W	2	b	55	97	7	-	-	-	-	0	*
Blacksod Point ...	1034.2	0	SW	1	ocho	53	97	6	450	St.	10	-	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1035.5	-1	-	0	o	52	85	8	1500	St	10	-	10	*
Holyhead	1034.3	0	W'S	2	b	*	*	*	-	-	-	A.St.	2	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1032.8	+1	-	0	of	44	97	2	1500	St.	10	-	10	*
Spurn Head	1032.7	+1	WNW	3	bc+	53	92	5	2500	St.	5	-	5	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1032.9	+1	NW	3	mmb	50	97	4	4000	St.Cu	1	-	1	*
Gorleston	1030.9	0	WNW	3	mmb	47	92	5	-	-	-	A.Cu	3	*
Pulham	1032.3	0	-	0	Fb-	42	97	1	-	-	-	-	0	*
Felixstowe														*
Valencia (Cahirciveen)	1036.1	+1	SE	1	b-	52	85	5	-	-	-	Ci.Cu	2	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1035.3	0	N	1	o	55	85	9	4000	St.Cu	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)..	*	*	*	*	*	50	*	*	*	*	*	*	*	*
Croydon	1032.9	-1	SSW	1	o	51	92	7	4000	St.Cu	6	A.St	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1033.4	0	NW	1	b	47	92	7	-	-	-	-	0	*
Scilly (St. Mary's) ...	1034.5	0	NNE	2	c	55	85	9	4000	St.Cu	8	-	8	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1033.6	0	NE	1	c	53	92	7	2500	St.	7	-	7	*
Portland Bill	1034.8	0	N	3	bc	52	85	8	1500	St.Cu	6	-	6	*
Calshot	1033.3	-1	WNW	3	bc-	53	92	8	4000	St.Cu	6	-	6	*
Dungeness	1032.1	0	N	2	b-	49	92	5	-	-	-	-	0	*
Jersey 7h. Guernsey 1h. ...	1033.6	0	N	2	o	55	75	8	-	-	-	A.St	10	*

Observations at 0700 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	1025.2	+1	WNW	4	ochot	50	97	3	-	Nb	10	-	10	3
Stornoway	1029.0	-1	WSW	3	o	52	92	7	800	St.	10	-	10	1
Wick	1028.7	+2	W	1	c+	48	97	8	4000	St.Cu	4	Ci.Cu	8	0
Castlebay	1030.7	0	WSW	3	o/r	54	92	7	4000	St.	10	-	10	3
Nairn	1029.8	*	—	0	bc	50	92	8	4000	Cu	4	Ci	6	*
Aberdeen	1030.6	+1	—	0	o+	51	97	5	4000	St.Cu	10	-	10	0
Malin Head	1032.0	0	S	3	o+	51	97	8	4000	St.Cu	9	-	9	1
Renfrew	1032.9	0	—	0	o	50	97	8	2500	St.	10	-	10	*
Inchkeith	1031.6	0	W	3	bcm	51	97	5	-	St.	5	-	5	2
Eskdalemuir	1033.8	0	—	0	bc/f	41	97	3	-	-	-	Ci	5	*
Tynemouth	1032.0	0	W	2	c-	53	92	6	4000	St.Cu	4	A.Cu	7	1
Blacksod Point ...	1032.3	-4	SW	2	o-	54	85	7	800	St.Cu	5	A.Cu	10	2
Donaghadee	1033.3	-1	—	0	o-	50	92	7	-	-	-	A.St	9	0
Birr Castle	1033.8	*	W	1	c-	51	92	6	2500	St.Cu	8	-	8	*
Baldonnell	1034.9	0	—	0	o	50	85	8	2500	St.	10	-	10	*
Holyhead	1034.1	0	S	2	cf-	49	97	4	1500	St.Cu	3	Ci	7	0
Liverpool (Bidston) ...	1033.9	0	WNW	1	o	53	92	7	1500	St.	10	-	10	0
Chester (Shotwick) ...														
Howden	1033.2	+1	—	0	of	37	97	0	<150	St.	10	-	10	*
Spurn Head	1032.0	0	WNW	2	b	52	92	6	1500	St.	2	Ci.Cu	3	2
Nottingham	1033.4	*	W	1	mo-	48	97	4	-	-	-	A.St	10	*
Cranwell	1033.2	0	WNW	3	o	49	97	5	2500	St.Cu	10	-	10	*
Gorleston	1031.6	+1	WNW	2	ffo	48	97	3	5750	St.Cu	10	-	10	0
Pulham	1032.8	0	—	0	om	43	97	4	5750	St.Cu	10	-	10	*
Felixstowe	1033.0	0	NW	2	ffo	45	97	2	4000	St.Cu	10	-	10	0
Valencia (Cahirciveen)	1033.9	-1	NE	2	c	47	92	9	2500	St.	3	A.St	7	0
Roches Point	1035.3	0	SE	1	o	52	92	8	2500	St.	10	-	10	2
Pembroke (St. Ann's H.)	1034.5	0	—	0	b	50	97	9	-	-	-	-	10	*
Ross-on-Wye	1034.1	0	—	0	o	50	92	8	2500	St.	10	-	10	*
Benson...	1033.9	0	—	0	ffo	48	97	3	-	St.	10	-	10	*
S. Farnborough ...	1033.7	+1	NW'N	1	ffo	40	97	2	<150	St.	10	-	10	*
London (Kew Obsy.)..	1033.8	+1	W'S	1	ffo	43	97	0	<150	St.	10	-	10	*
Croydon	1033.4	+1	SSW	1	fo+	43	97	1	<150	St.	10	-	10	0
Clacton-on-Sea ...	1032.7	0	NNW	3	ffo	45	97	3	<150	St.	10	-	10	*
Shoeburyness	1033.0	0	—	0	ffo	44	92	1	<150	St.	10	-	10	0
Grain	1033.6	0	—	0	ffo	45	97	0	<150	St.	10	-	10	*
Lympne	1033.0	+1	—	0	fb-	45	92	1	-	-	-	-	0	0
Scilly (St. Mary's) ...	1033.3	0	—	0	o	54	85	9	4000	St.Cu	10	-	10	*
Falmouth	1033.9	0	NNE	1	o	52	85	7	2500	St.Cu	10	-	10	*
Plymouth	1033.8	0	—	0	o	49	92	7	2500	St.Cu	10	-	10	3
Portland Bill	1033.3	-2	NE	4	o+	53	85	7	-	-	-	A.St	10	0
Calshot	1033.3	*	NNW	1	o+	53	92	6	4000	St.Cu	10	-	10	2
Dungeness	1032.3	0	N	2	fb-	44	97	2	-	-	-	-	0	0
Jersey 7h. Guernsey 1h. ...	1033.2	0	N	2	o	57	85	8	4000	St.Cu	10	-	10	0

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

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 24th-25th mm.	Rainfall.† Day 9h.-17h. 25th mm.	Sunshine. Sunrise to 17h. 25th hr.	Sunshine. Sunrise to Sunset. 24th hr.
Banff	oa	c	58	40	2	0.2	0.6	2.6
Montrose	c	c	62	40	2	-	1.6	4.0
Llandudno	oo	o.c.bc	58	49	-	-	1.9	5.4
Colwyn Bay ...	b	b	58	47	-	-	2.2	5.9
Rhyl...	c	bc	54	41	-	-	2.2	7.5
Southport	o.c	c.bc.c	58	42	-	-	2.5	7.5
Blackpool	o	c	59	47	-	-	3.0	7.3
Harrogate	bc	bc	58	40	-	-	4.9	8.8
Skegness	o.c	c.bc.o	59	39	-	-	3.8	7.0
Aberystwyth ...	c	o	56	42	-	-	0.0	6.3
Bath	mb	b.bc.c.o	54	29	-	-	3.9	9.0
Leamington Spa ..	c.b	c	54	31	-	-	0.4	8.3
Lowestoft	o	o.c.b	55	38	1	-	0.6	5.3
Felixstowe	om	cm	56	36	-	-	1.0	7.5
Southend	m.c.o	o.cm	56	35	-	-	0.9	8.0
Paignton	b	b	61	35	-	-	9.1	9.4
Ilfracombe	b.bc	bc.c.ob	59	44	-	-	5.2	9.2
Bude	W.b.bc.c	o	54	35	-	-	2.6	8.5
Penzance	bc	b.bc.bc.c	60	40	-	-	4.0	7.2
Torquay	b	b	61	40	-	-	9.3	
Weymouth	b bc	bc.c.o	62	35	-	-	8.7	9.2
Bournemouth ...	*	*	59	33	-	-	6.6	9.6
Portsmouth (S'thsea)	*	*	58	34	-	-	3.5	8.9
Worthing	oc.b	o.bo	55	34	-	-	3.6	9.0
Brighton	o	c	55	34	-	-	0.6	8.6
Eastbourne	c.o	o.c.o	54	34	-	-	1.3	8.9
Hastings	c.o	om	53	40	-	-	1.7	9.1
Folkestone	o	o	53	38	-	-	0.2	8.0
Tunbridge Wells ...	o	o.om	54	31	-	-	0.1	8.1
Ramsgate	bc	bc	53	35	-	-	0.2	7.2
Margate	o	o	54	42	-	-	0.2	6.2
Deal	c.o	c	53	34	trace	-	0.0	7.4
							0.2	

* 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.21889 Thursday, 27th October 1921. Page 1.

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)	Upper Form.	Total Amt. (0–10)	Sea (0–9)
Lerwick	1026.9	-2	W'S	4	od₀d₀	52	97	5	5750	Nb	10	–	10	*
Stornoway	1027.3	-1	SW	4	o	55	86	7	450	St.	10	–	10	*
Wick	1027.7	-1	VV	2	c+	56	75	9	–	–	–	A.Cu	7	*
Castlebay	1029.5	0	SW	4	o/r	56	86	6	2500	St	10	–	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1029.4	-2	S	1	b-	60	75	6	–	–	–	Ci	1	*
Malin Head	1030.3	-3	S	3	c-	57	92	8	4000	StCu	5	CiCu	7	*
Renfrew	1032.7	-1	SW	3	o	56	85	7	2500	StCu	10	–	10	*
Inchkeith	1031.1	-1	W	3	2bc-	56	75	7	–	St	2	Ci	6	*
Eskdalemuir	1032.6	-1	SSW	3	o+	54	85	8	1600	StCu	9	–	9	*
Tynemouth	1031.7	0	WNW	2	b	58	85	7	–	–	–	CiCu	2	*
Blacksod Point	1031.8	0	SSW	5	o+	56	86	7	800	St	10	–	10	*
Donaghadee	1033.0	-1	SSW	1	o+	55	85	8	–	–	–	A.St	10	*
Birr Castle	1034.3	*	SW	1	c	54	86	8	4000	StCu	8	–	8	*
Baldonnell	1034.3	-1	SW'W	2	o	55	75	8	1500	StCu	10	–	10	*
Holyhead	1034.0	0	W'N	2	o	58	85	8	2500	StCu	10	–	10	*
Liverpool (Bidston)	1033.8	0	W	1	o+	55	86	7	1500	Nb	9	–	9	*
Chester (Shotwick)														*
Howden	1033.2	-1	WSW	1	o	57	85	6	4000	StCu	10	–	10	*
Spurn Head	1033.0	+1	WNW	2	o+	56	92	6	1500	St	9	–	9	*
Nottingham	1033.4	*	WNW	1	o-	58	75	4	–	–	–	A.St	9	*
Cranwell	1033.1	-1	NW'N	3	o	56	85	6	4000	StCu	10	–	10	*
Gorleston	1032.3	+1	N'E	3	mc-	58	85	6	5750	StCu	8	–	8	*
Pulham	1032.6	0	–	0	o	59	85	4	4000	StCu	10	–	10	*
Felixstowe	1032.2	-1	WNW	2	fo+	56	85	4	1500	St	10	–	10	*
Valencia (Cahirciveen)	1034.1	-1	SSE	3	o+	57	85	9	1500	St	7	A.St	10	*
Roches Point	1035.0	0	–	0	o	56	85	7	4000	St	10	–	10	*
Pembroke (St. Ann's H.)	1034.4	-1	NE	1	bc	56	86	8	4000	Cu	1	Ci	5	*
Ross-on-Wye	1033.4	-1	W	2	o	57	85	8	2600	StCu	10	–	10	*
Benson	1033.7	-1	–	0	c/r	56	85	5	–	Cu	7	–	7	*
S. Farnborough	1033.4	-1	N	1	fc-	54	92	4	–	–	–	CiSt	8	*
London (Kew Obsy.)	1033.4	-2	WNW	1	o/f	57	85	4	5750	Cu	8	ACu	9	*
Croydon	1033.5	-1	W	1	fo-	50	92	3	<150	St	10	–	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1033.3	+1	WNW	1	mo-	56	85	5	2600	StCu	10	–	10	*
Grain	1033.2	-1	WNW	2	o/f	54	86	6	4000	St	10	–	10	*
Lympne	1032.9	-1	N'E	3	o/f	55	85	5	2600	StCu	10	–	10	*
Scilly (St. Mary's)	1033.8	0	E	1	o	58	76	9	4000	StCu	10	–	10	*
Falmouth	1033.8	-1	NNE	2	o	57	75	6	4000	StCu	9	–	9	*
Plymouth	1033.4	0	–	0	o/f	58	85	6	4000	StCu	10	–	10	*
Portland Bill	1033.3	0	–	0	o	56	86	7	450	St	10	–	10	*
Calshot	1033.0	-1	N'W	1	~b	61	76	7	2500	Cu	1	–	1	*
Dungeness	1032.4	0	NE	2	o/f	58	86	8	450	St	10	–	10	*
Jersey	1032.2	0	NE	1	o	59	85	8	4000	StCu	10	–	10	*

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)	Upper Form.	Total Amt. (0–10)	Sea (0–9)
Lerwick	1023.1	-2	WSW	5	o/r	50	97	7	7250	Nb	10	–	10	4
Stornoway	1023.6	-2	SW	5	o	55	86	7	450	St	10	–	10	4
Wick	1025.0	-2	SW	3	c	51	97	9	4000	StCu	5	CiSt	8	0
Castlebay	1024.4	-3	SW	4	o+	55	92	6	1500	St	10	–	10	5
Nairn	1026.2	*	WSW	3	o	54	86	8	4000	StCu	9	–	9	*
Aberdeen	1027.6	-1	SSW	1	bc	52	86	6	–	–	–	ACu	5	0
Malin Head	1028.7	-2	SSW	3	o+	53	97	8	4000	StCu	8	ACu	9	1
Renfrew	1030.9	-1	WSW	3	o+	52	85	8	1500	St	10	–	10	*
Inchkeith	1029.6	-1	W	4	o/f	53	75	9	–	St	10	–	10	3
Eskdalemuir	1031.4	-2	SW	3	o	52	85	8	1560	StCu	10	–	10	*
Tynemouth	1031.1	-1	SW	2	bc-	55	85	5	2500	St	3	CiCu	6	1
Blacksod Point	1029.5	-2	W	5	c-	56	85	7	2500	StCu	7	–	7	2
Donaghadee	1031.8	-1	W	2	c-	52	85	8.	5750	StCu	8	–	8	0
Birr Castle	1032.9	*	SW	1	o+	54	92	6	450	St	9	–	9	*
Baldonnell	1033.5	0	WSW	1	o	52	85	7	1500	St	10	–	10	*
Holyhead	1033.1	-1	WSW	3	o	55	85	7	2500	StCu	10	–	10	1
Liverpool (Bidston)	1032.9	-1	–	0	o+	54	92	6	1500	St	10	–	10	1
Chester (Shotwick)														*
Howden	1032.9	+2	–	0	o	54	92	4	4000	St	10	–	10	*
Spurn Head	1032.5	-1	SW	2	o	56	92	6	1500	St	10	–	10	1
Nottingham	1032.9	*	W	1	o+	56	92	5	–	–	–	A.St	10	*
Cranwell	1032.5	0	SW'S	m1	mo+	54	97	5	2500	StCu	10	–	10	*
Gorleston	1031.6	-1	N	1	b/f	55	92	5	7250	StCu	3	–	3	0
Pulham	1032.4	0	–	0	o	56	97	4	1500	St.	10	–	10	*
Felixstowe	1032.7	0	–	0	o	55	97	4	1500	StCu	10	–	10	0
Valencia (Cahirciveen)	1033.3	0	SSE	2	o	55	92	8	800	St	10	–	10	1
Roches Point	1034.2	0	–	0	o	53	92	8	4000	St	10	–	10	0
Pembroke (St. Ann's H.)	1033.7	-1	NW	1	o+	55	85	9	–	–	–	A.St	10	2.
Ross-on-Wye	1032.9	0	–	0	o	55	85	8	2500	St	10	–	10	*
Benson	1032.8	0	–	0	o	55	92	6	–	StCu	10	–	10	*
S. Farnborough	1032.8	-2	–	0	fo+	54	97	3	2500	St	10	–	10	*
London (Kew Obsy.)	1032.9	0	–	0	fo+	55	92	3	1500	St	10	–	10	*
Croydon	1032.8	0	–	0	ffo	53	97	3	<150	St	10	–	10	*
Clacton-on-Sea	1032.2	0	NNW	2	fo+	57	92	3	7250	StCu	10	–	10	0
Shoeburyness	1032.6	-2	–	0	fo-	55	85	4	2500	StCu	10	–	10	*
Grain	1032.5	0	–	0	mmo	56	92	6	2500	StCu	10	–	10	0
Lympne	1032.5	0	N'E	3	o	54	92	5	2500	St	10	–	10	*
Scilly (St. Mary's)	1032.3	0	–	0	o	57	85	8	4000	StCu	10	–	10	0
Falmouth	1032.8	0	NE	3	mmo	55	92	6	2500	St	10	–	10	*
Plymouth	1032.7	0	–	0	o	56	86	7	2500	StCu	10	–	10	*
Portland Bill	1032.4	-1	N	2	c-	54	85	7	1500	StCu	7	–	7	0
Calshot	1032.4	0	NE	1	2o	57	85	7	4000	StCu	9	–	9	0
Dungeness	1031.9	-1	NE	2.	mmo	56	92	5	450	St	10	–	10	2.
Jersey	1030.4	0	NE	2	o	58	85	8	4000	StCu	10	–	10	0

London Observations (Weather, Temperature and Rainfall: 24 Hours ended 0900 G.M.T. 27th)

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. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew (24 hours ended 0700)				*	*	59	–	–	0.2	*	*
Croydon (24 hours ended 0700)	dfwcmgm off F	om off	omwom OFF.	*	*	2.8	–	–	0.0	*	*
Greenwich (Royal Obsy.)	f	om	omw	56	46	50	–	–	0.0	93	84
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.1	*	*
Westminster (St. James' Pk.)	*	*	*	57	45	41	–	–	0.0	94	80
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	0.0	*	*
Camden Sq. (Brit. Rainfall)	fw.o	o	*	60	45	44	–	–	*	90	81
Kensington Palace	om	om	*	58	45	50	–	–	*	93 (18h)	87
Hampstead Observatory	*	*	*	58	47	49	–	–	3.2	*	84

Atmospheric Pollution. Lim. of Solid impurity per million cubic yards.

24 Hr. ended 1800 G.M.T. 26th

South Kensington

Max.	Time.	Min.	Time.
3.0 / 5.0	21h.25th / 16h.26th	0.5	3h.26th

Kew Observatory

Max.	Time.	Min.	Time.
2.0 / 1.6	19h.25th / 9h.26th	0.4	4h.26th

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 26th 17 h. 45 m. to 27th 5 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	12.0	0.0	0
δ Ursae Minoris	12.0	0.0	0

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

27th and 28th October 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.41 / 6.43	11.37 / 11.37	4.33 / 4.31
Greenwich	6.46 / 6.48	11.44 / 11.44	4.42 / 4.40
Wick	7.17 / 7.20	11.56 / 11.56	4.35 / 4.33
Valencia	7.24 / 7.30	12.25 / 12.25	5.22 / 5.20

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, or fine rain. f fog.
- h hail. KQ line squall. l lightning.
- m mist. o overcast sky.
- p passing showers. r rain.
- rs sleet, i.e., rain and snow together.
- s snow. 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:—bo/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.

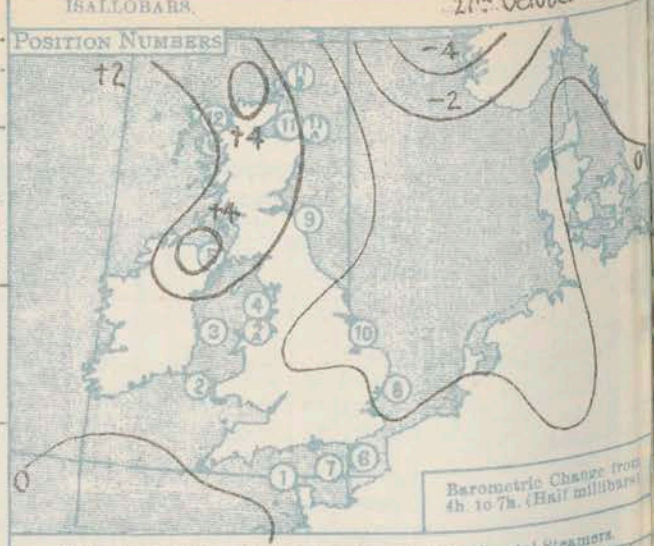
Beaufort No.	Statute miles per hour.	Metres per second.
0	Less than 1.	Less than 0·3
1	1–3	0·3–1·5
2	4–7	1·6–3·3
3	8–12	3·4–5·4
4	13–18	5·5–7·9
5	19–24	8·0–10·7
6	25–31	10·8–13·8
7	32–38	13·9–17·1
8	39–46	17·2–20·7
9	47–54	20·8–24·4
10	55–63	24·5–28·4
11	64–75	28·5–33·5
12	Above 75	33·6 or above

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

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 26th	13h.-18h. 26th	13h. 26th to 1h. 27th	1h.-7h. 27th	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	rord	po	rord	rord	52	46	*	Trace	5	11.00	24.00	*
Stornoway	oo	oo	rord	p	56	42	*	-	5	-	24.00	0.6
Wick	c	c	oir.	airbc	58	45	*	-	2	-	24.00	*
Castlebay	opo	o	orro	bcop	55	48	*	0.2	6	*	1.30	0.5
Nairn		c	pq		59	44	*	-	2	-	2.30	2.8
Aberdeen	omfbm	bbcm	bcpob		59	48	39	-	0.4	-	3.30	4.2
Malin Head	c	c	dodo	rorr	57	51	*	-	2	-	24.00	2.0
Renfrew	o1m	o1mo	ococ	bccop	56	50	46	Trace	1	-	2.30	*
Inchkeith	form	form	oo	p	56	50	47	-	trace	-	-	*
Eskdalemuir	rcfcco	oo	oorr	oc	56	48	41	-	0.6	-	4.30	3.2
Tynemouth	borbclm	cm	borbcim	cim	60	50	*	-	-	-	-	*
Blacksod Point	oo	c	rord	borbc	62	45	*	-	2	-	22.00	*
Donaghadee	om	c	bcm	cmw	55	48	*	-	-	-	-	*
Birr Castle	cdoee	c	c	com	55	48	42	-	trace	-	-	0.3
Baldonnell	oo	oo	bcco	oo	55	49	46	-	-	-	-	0.0
Holyhead	co	oo	c	oo	60	55	51	-	-	-	-	4.3
Liverpool (Bidston)	c	c	c		57	52	47	-	-	-	-	1.5
Chester (Shotwick)												*
Howden	oo	oo	oo	oo	57	52	51	-	-	-	-	1.1
Spurn Head	c	c	form	form	57	50	*	-	-	-	-	1.2
Nottingham	c	oo	oo1m		59	48	42	-	-	-	-	*
Cranwell	m1m	1m	1m.o	1m	58	47	41	-	-	-	-	0.0
Gorleston	form	cmbcm	F	bof.fc	59	47	46	-	0.1	-	-	1.1
Pulham	oo	oo	form	form	59	48	44	-	-	-	-	1.0
Felixstowe	form	form	form		58	51	50	-	-	-	-	0.8
Valencia (Cahirciveen)	co	odo	oc.bcb	o	57	50	43	Trace	-	14.30	-	0.0
Roches Point	oo	oo	oo		57	50	*	-	-	-	-	0.2
Pembroke (St. Ann's H.)	borbc	borbc	oo	oo	60	54	*	-	-	-		*
Ross-on-Wye	oo	bcco	ogom	om	59	48	37	-	-	-	-	3.8
Benson	form	oo	oo		59	51	49	-	-	-	-	0.8
S. Farnborough	form	form	form		56	52	50	-	-	-	-	*
London (Kew Obsy.)	ofwcmom	om	omwom	omw	60	52	50	-	-	-	-	0.5
Croydon	off F	off	off	off	54	51	48	-	-	-	-	0.2
Clacton-on-Sea		fogm	ogm	ogm	58	52	51	-	-	-	-	0.0
Shoeburyness	form	form	form		58	50	48	-	-	-	-	0.1
Grain	F	o1mlm	form		57	51	50	-	-	-	-	0.0
Lympne	bbccofm	om	oo	omfc	56	53	52	-	-	-	-	0.0
Scilly (St. Mary's)	oo	oo	oo	borbc	58	54	*	-	-	-	-	0.0
Falmouth	om	om	om	om	58	51	47	-	-	-	-	0.0
Plymouth	form	oo	c	c	58	49	45	-	-	-	-	0.0
Portland Bill	oo	oo	oo	c	56	52	*	-	-	-	-	
Calshot	borbc	c	oo	oo	62	54	54	-	-	-	-	6.4
Dungeness	FFm	ff F	oo1m	f.f	58	53	*	-	-	-	-	*
Jersey	oo	o	o	oc	60	57	*	-	-	-	-	0.0

ISALLOBARS. 27th October 1921.



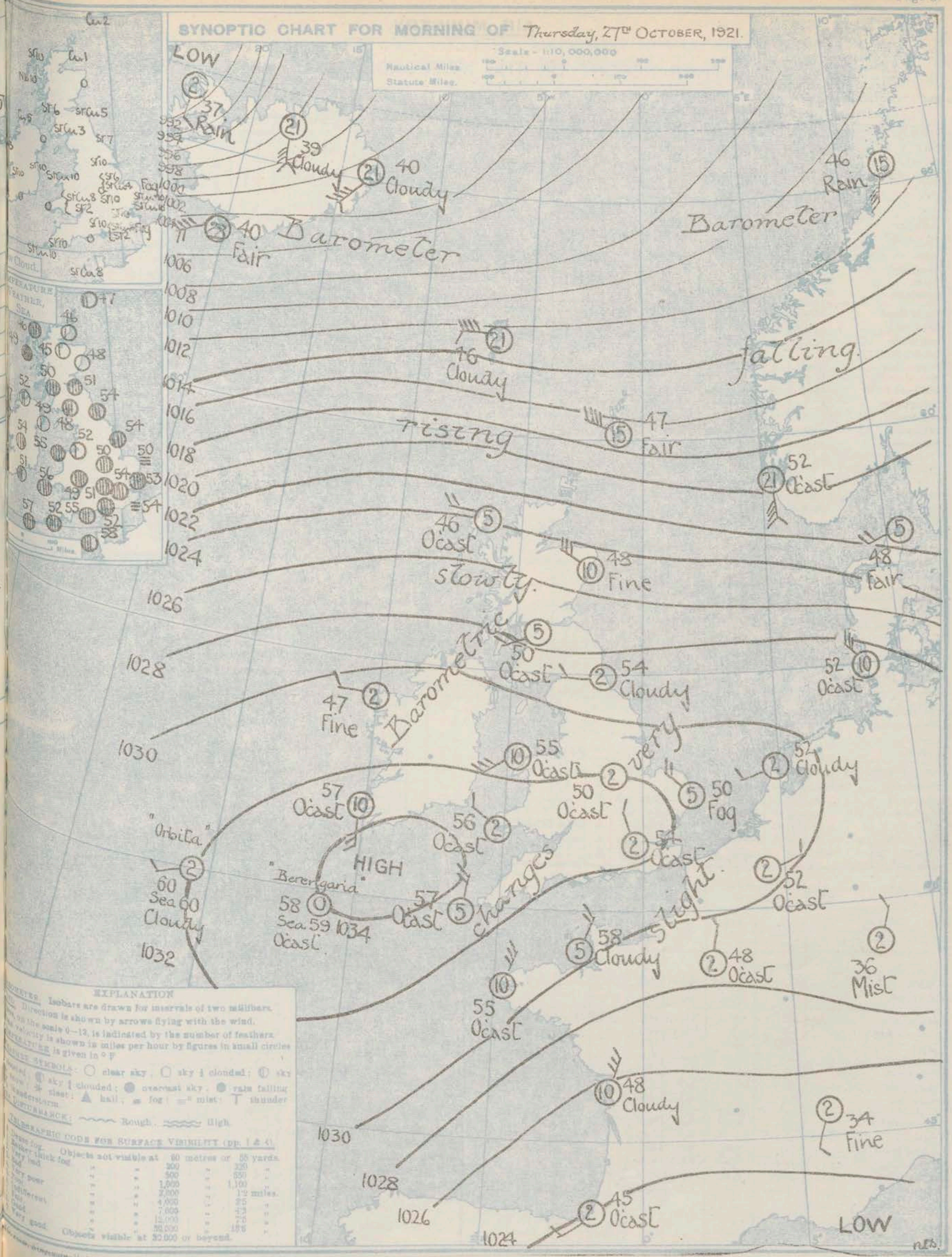
Temperature reported from Cross Channel and Coastal Steamers.

Position Number	3.	7.	6.
Date	0005	0306	0307
Time G.M.T.	26th	27th	27th
Sea ° F.	57	61	60
Air ° F	?	61	59

GENERAL INFERENCE.

The anticyclone centred off the South of Ireland is still likely to maintain dry, quiet weather over the southern half of the Kingdom, but depressions moving Eastward in the far North may cause some rain in various parts of Scotland.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday October 27th 1921.	Further Outlook.
1. S.E. England 2. E. England	Wind very light between North-West and North-East; mainly cloudy or dull, some mist; mild.	Continuing dry for some days in the South; some rain or showers in the North.
3. E. Midlands 4. W. Midlands	Wind light Westerly; cloudy or dull generally; mist at times; mild.	
5. S.W. England	Wind North or North-East, light; cloudy to fair; mild; visibility mainly fair.	
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Same as 3 & 4.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind mainly west, light or moderate; fair or cloudy generally, some local rain or showers; mild; visibility mainly fair.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind between South and West, light; cloudy to fair; mild; visibility mainly fair.	


SYNOPTIC CHART FOR MORNING OF Thursday, 27th OCTOBER, 1921.
Scale - 1:10,000,000
Nautical Miles
Statute Miles.
LOW
37 Rain
39 Cloudy
40 Cloudy
40 Fair
Barometer
46 Rain
Barometer
falling.
46 Cloudy
47 Fair
rising
52 O'cast
46 O'cast
48 Fine
48 Fair
slowly.
Barometric
50 O'cast
54 Cloudy
52 O'cast
47 Fine
very
55 O'cast
50 O'cast
50 Fog
52 Cloudy
57 O'cast
56 O'cast
"Orbita"
HIGH
"Berengaria"
60 Sea 60 Cloudy
58 Sea 59 O'cast
57 O'cast
1034
changes
slight
52 O'cast
58 Cloudy
48 O'cast
36 Mist
55 O'cast
48 Cloudy
34 Fine
45 O'cast
LOW
1032
1030
1028
1026
1024
EXPLANATION
Isobars are drawn for intervals of two millibars.
Direction is shown by arrows flying with the wind.
Force, on the scale 0—12, is indicated by the number of feathers.
Wind velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in ° F.
CURRENT SYMBOLS: clear sky; sky ½ clouded; sky clouded; overcast sky; rain falling; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
Very thick fog — Objects not visible at 60 metres or 65 yards
Thick fog — " " 200 " " 220 "
Very bad — " " 500 " " 550 "
Bad — " " 1,000 " " 1,100 "
Very poor — " " 2,000 " " 1½ miles.
Poor — " " 4,000 " " 2½ "
Moderate — " " 7,000 " " 4½ "
Good — " " 12,000 " " 7½ "
Very good — " " 32,000 " " 18½ "
Objects visible at 30,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Thursday, 27th October 1921. No. 300

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. 0-9
Lerwick	1017.1	-4	WSW	4	or6	52	92	7	-	Nb	10	-	10	*
Stornoway	1021.8	0	W	4	0-	*	*	5	*	*	*	*	*	*
Wick	1019.2	-4	SSW	3	o/r	53	92	8	800	St.	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1026.5	-1	W	4	or6	53	97	7	1500	Nb	10	-	10	*
Renfrew	1027.4	-4	SSW	4	bc-	52	85	8	4000	St.Cu	6	-	6	*
Inchkeith	1026.4	-3	WSW	3	ov	51	85	9	-	-	-	A.St.	10	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1029.9	-1	W	1	b-	53	85	7	-	-	-	A.Cu	2	*
Blacksod Point ...	1028.6	+1	SW	4	qbr	57	92	7	1500	St.	10	-	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1032.4	-1	WSW	3	o+	52	85	8	1500	St.	9	-	9	*
Holyhead	1031.6	-2	SW 5	4	0	*	*	?	2500	St.Cu	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1031.7	-2	SW	2	0	52	92	6	4000	St.Cu	10	-	10	*
Spurn Head	1030.9	-2	W	2	mb-	53	92	4	-	-	-	-	0	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1032.0	-1	W	2	mmbc	52	97	4	2500	St.Cu	5	-	5	*
Gorleston	1032.2	0	NW'W	1	ffb	49	97	2	-	-	-	-	0	*
Pulham	1032.3	0	-	0	bcf-	50	97	2	4000	St.Cu	5	-	5	*
Felixstowe														*
Valencia (Cahirciveen)	1033.7	0	-	0	b	55	85	7	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1033.4	-1	-	0	0	55	92	9	-	-	-	A.St	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	54	*	*	*	*	*	*	*	*
Croydon	1032.5	0	-	0	ffb	52	97	1	4150	St.	10	-	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1031.9	0	NNE	2	0	55	92	6	2500	St.Cu	10	-	10	*
Scilly (St. Mary's) ...	1033.0	0	NNE	1	0	57	85	8	4000	St.Cu	10	-	10	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1032.8	-1	NE	1	b	54	92	8	-	-	-	-	0	*
Portland Bill	1032.4	0	NE	3	o+	53	85	7	-	-	-	A.St	10	*
Calshot	1032.5	0	-	0	0	56	92	6	4000	St.Cu	10	-	10	*
Dungeness	1031.7	0	NNE	2	0	56	97	6	450	St.	10	-	10	*
Jersey 7h / Guernsey 1h	1031.5	-1	NNE	3	0	58	75	8	-	-	-	A.St	10	*

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. 0-9
Lerwick	1017.1	+1	WNW	4	bc/r	47	85	7	-	Cu	2	A.St	5	3
Stornoway	1023.7	+1	W	2	0	46	92	6	450	St.	10	-	10	0
Wick	1022.4	+4	WNW	3	b/r	46	92	8	4000	Cu	1	-	1	0
Castlebay	1026.7	+1	NW	4	oPR	49	92	6	2500	Nb	10	-	10	4
Nairn	1024.7	*	W	2	b/r	45	85	8	1500	St.	2	-	2	*
Aberdeen	1024.9	+2	W/N	3	b/r	48	75	8	-	-	-	-	0	0
Malin Head	1028.8	+4	W	2	bc-	52	97	8	4000	?Cu	5	-	5	1
Renfrew	1027.9	+2	WSW	2	o+	50	85	8	2500	St.	6	A.St	9	*
Inchkeith	1026.2	+2	W	4	0	51	85	8	-	St.Cu	5	A.St	10	3
Eskdalemuir	1028.8	0	W	2	c	48	85	7	1500	St.Cu	3	Ci	7	*
Tynemouth	1028.5	0	W	1	c	54	85	7	2500	St.	7	-	7	2
Blacksod Point ...	1030.6	+1	W	1	b-	47	92	7	5750	Cu	3	-	3	1
Donaghadee	1030.2	+1	WSW	2	b-	49	92	8	-	-	-	A.Cu	3	1
Birr Castle	1031.7	*	SW	1	o+	54	92	6	450	St.	10	-	10	*
Baldonnell	1031.0	0	SW	3	0	53	85	7	1500	St.	10	-	10	*
Holyhead	1031.8	0	SW'W	3	0	55	92	9	4000	St.Cu	10	-	10	0
Liverpool (Bidston) ...	1031.3	0	WSW	2	b-	52	85	7	2500	St.Cu	3	-	3	1
Chester (Shotwick) ...														*
Howden	1030.7	-1	WSW	2	0	53	85	6	2500	St.	10	-	10	*
Spurn Head	1030.0	0	WSW	2	0	54	85	4	4150	St.	10	-	10	1
Nottingham	1030.0	*	W	1	o-	50	97	4	-	-	-	A.St	10	*
Cranwell	1031.4	0	WNW	3	0	50	92	6	1500	St.	10	-	10	0
Gorleston	1030.8	0	NW'W	2	ffb	50	97	3	-	-	-	-	0	*
Pulham	1031.4	0	WNW	1	odd	52	97	3	4000	St.Cu	10	-	10	0
Felixstowe	1032.0	0	NNW	2	ffo	52	97	3	1500	St.Cu	10	-	10	0
Valencia (Cahirciveen)	1033.4	+1	S	3	0	57	92	8	1500	St.	8	A.St	7	2
Roches Point	1034.7	+1	NW	2	c-	51	92	7	-	-	-	A.Cu	10	2
Pembroke (St. Ann's H.)	1033.5	+1	NW	1	ov	56	85	9	-	-	-	A.St	10	*
Ross-on-Wye	1032.7	+1	WSW	1	0	49	97	7	2500	St.Cu	10	-	10	*
Benson	1032.1	+2	-	0	0	51	92	4	-	St.	10	-	10	*
S. Farnborough ...	1032.2	+1	NW	1	mo+	52	97	4	225	St.	10	-	10	*
London (Kew Obsy.) ...	1032.5	+1	NNW	1	mmo	54	97	5	225	St.	10	-	10	*
Croydon	1032.4	+2	-	0	FFO	52	97	1	4150	St.	10	-	10	0
Clacton-on-Sea ...	1031.4	0	NNW	2	0	53	97	4	6750	St.Cu	10	-	10	*
Shoeburyness	1031.8	-1	NW	1	mo-	52	92	4	4000	St.Cu	10	-	9	0
Grain	1031.9	0	-	0	fo+	53	97	3	2500	St.Cu	9	-	10	*
Lympne	1031.6	+1	N	2	mo-	54	97	5	800	St.Cu	10	-	10	1
Scilly (St. Mary's) ...	1033.1	-1	N'E	2	0	57	85	8	4000	St.Cu	10	-	10	0
Falmouth	1033.5	+1	N	2	0	52	85	7	2500	St.	10	-	9	0
Plymouth	1033.5	+1	NE	1	o-	52	85	7	4000	St.Cu	8	Ci.St	7	0
Portland Bill	1031.5	-1	NE	4	c-	55	85	7	-	-	-	AS	10	0
Calshot	1033.0	+1	NNW	1	mo+	55	97	5	4000	St.Cu	10	-	10	3
Dungeness	1031.3	0	NE	2	ffo	54	97	3	450	St.	10	-	8	0
Jersey 7h / Guernsey 1h	1030.5	0	NE	2	c	58	85	8	4000	St.Cu	8	-		

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 25th-26th mm.	Rainfall.† Day 9h.-17h. 26th mm.	Sunshine. Sunrise to 17h. 26th hr.	Sunshine. Sunrise to Sunset. 25th hr.
Banff	bc	cbcco	61	48	-	-	3.9	0.6
Montrose	bc	bcc	60	49	0.5	-	5.9	1.6
Llandudno	b	o	60	46	-	-	4.3	1.9
Colwyn Bay ...	b	b	56	45	-	-	4.2	2.2
Rhyl	cbcc	co	56	46	-	-	1.0	2.2
Southport	oc	co	58	50	-	-	0.7	2.6
Blackpool	o	o	57	51	0.1	-	0.0	3.0
Harrogate	b	bbcc	59	44	-	-	7.3	4.9
Skegness	o	o	58	48	-	-	0.0	3.8
Aberystwyth ...	cb	bco	62	45	-	-	6.8	0.0
Bath	mo	ocm	59	49	-	-	0.2	3.9
Leamington Spa ..	b	b	60	43	-	-	2.3	0.4
Lowestoft	ogc	bc	59	45	-	-	0.0	0.6
Felixstowe	om	om	58	43	-	-	0.0	1.0
Southend	fco	o	58	44	-	-	0.0	1.0
Paignton	o	com	59	50	-	-	0.1	9.1
Ilfracombe								
Bude	o	c	59	49	-	-	0.0	2.6
Penzance	c	co	58	52	-	-	0.0	4.0
Torquay	o	o	57	51	-	-	0.0	9.3
Weymouth	o	o	59	47	-	-	0.0	8.7
Bournemouth ...	oo	bco	60	50	-	-	1.6	6.6
Portsmouth (S'thesea)	b	b	62	50	-	-	5.9	3.8
Worthing	b	bco	59	48	-	-	6.6	3.6
Brighton	b	bco	61	47	-	-	5.1	0.6
Eastbourne ...	bbc	co	62	48	-	-	3.9	1.3
Hastings	bbcco	ofm	60	49	-	-	2.3	1.7
Folkestone	o	o	58	47	-	-	0.0	0.2
Tunbridge Wells ...	ofo	com	58	40	-	-	0.2	0.1
Ramsgate	o	f	55	47	-	-	0.0	0.3
Margate	o	o	56	52	-	-	0.0	0.0
Deal	m	f	54	45	-	-	0.0	0.2

* 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. 21890 Friday, 28th October 1921. - 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	Sea. 0-9
Lerwick	1020·4	+2	W	3	b-	50	86	8	*	Cu	2	Ci St	3	*
Stornoway	1025·6	+1	W	3	ofr	51	92	6	2500	Nb	9	-	9	*
Wick	1024·3	+3	W	3	bc	52	85	9	4000	Cu	2	Ci Cu	5	*
Castlebay	1025·9	+2	NW	4	bc/r	53	85	7	5750	Cu	5	-	5	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1026·9	+1	NW	2	c+	54	65	8	2500	St	6	Ci Cu	8	*
Malin Head	1030·2	+1	W	3	bc	55	92	8	4000	Cu	4	-	4	*
Renfrew	1029·6	0	WSW	4	0	55	75	8	2500	St Cu	9	-	9	*
Inchkeith	1029·2	+1	W	4	0	54	75	7	*	St Cu	9	-	9	*
Eskdalemuir	1030·6	+1	W	3	c	54	65	8	4000	St Cu	6	A St	8	*
Tynemouth	1029·5	+1	WNW	3	c-	56	86	7	4000	Cu	1	A St	7	*
Blacksod Point	1033·2	+2	W	2	0	57	85	8	5750	Cu	2	Ci St	10	*
Donaghadee	1031·7	+1	WSW	3	b-	56	75	8	-	-	0	Ci Cu	3	*
Birr Castle	1033·3	*	NW	1	c-	58	85	8	4000	St Cu	7		7	*
Baldonnell	1033·3	+2	NNW	2	c-	58	75	9	2500	Cu	4	Ci St	7	*
Holyhead	1032·8	+1	WNW	3	0	56	92	8	1500	St Cu	9	-	9	*
Liverpool (Bidston)	1031·7	+1	W/S	4	od·	54	96	6	800	Nb	10		10	*
Chester (Shotwick)														*
Howden	1030·4	0	WNW	4	0	59	85	6	4000	St Cu	5	A St	10	*
Spurn Head	1029·9	-1	W	3	bc+	57	86	6	7250	Cu Nb	6	·	6	*
Nottingham	1031·4	*	WNW	3	0	59	75	5	1500	St	4	Ci St	9	*
Cranwell	1030·4	-1	WNW	4	o+	59	85	6	2500	St Cu	6	A Cu	9	*
Gorleston	1029·9	-1	NW	2	mo-	56	75	7	5750	St Cu	10	-	10	*
Pulham	1031·3	0	W	2	0	55	65	6	2500	St	10	-	10	*
Felixstowe	1031·2	-2	NW	3	b-	60	75	5	4000	Cu	1	-	1	*
Valencia (Cahirciveen)	1035·0	+1	WNW	2	0	58	92	8	800	St	10	-	10	*
Roches Point	1034·7	0	W	2	0	59	85	8	4000	St Cu	10	-	10	*
Pembroke (St. Ann's H.)	1030·2	+1	WNW	2	bc	59	85	9	-	-	0	A St	6	*
Ross-on-Wye	1032·4	0	NW/W	2	ov	59	75	9	4000	St Cu	8	Ci	9	*
Benson	1032·5	+2	WNW	1	0	57	75	8	*	St Cu	10	-	10	*
S. Farnborough	1032·4	-1	W/N	3	b/f	55	75	7	5750	Cu	2	Ci	3	*
London (Kew Obsy.)	1031·8	-3	WNW	3	bc/f	59	65	7	5750	Cu	5	-	5	*
Croydon	1032·0	-2	NW	2	bc/f	58	75	6	2500	St Cu	5	-	5	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1031·5	-1	NW	1	~~m~~	61	65	6	5750	Cu	1	-	1	*
Grain	1031·7	-2	NW	2	b-	60	68	7	4000	Cu	1	-	1	*
Lympne	1031·5	-2	N	3	b	60	85	6	4000	Cu	2	-	2	*
Scilly (St. Mary's)	1033·4	+1	NE/N	1	0	57	75	9	4000	St Cu	10	-	10	*
Falmouth	1034·3	0	N	3	0	58	75	7	4000	St Cu	10	-	10	*
Plymouth	1033·6	0	NNE	1	0	58	85	8	2500	St Cu	10	-	10	*
Portland Bill	1033·6	+3	N	4	b-	64	75	5	-	-	0	Ci	2	*
Calshot	1032·5	-1	N	2	b-	60	85	7	4000	Cu	3	-	3	*
Dungeness	1031·5	-1	NNE	2	bc	61	75	6	2500	Cu	5	-	5	*
Jersey	1031·5	0	NE	2	0	62	85	8	4000	St Cu	10	-	10	*

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	1021·3	+1	W	4	bc	47	75	7	*	Cu	2	A Cu	4	3
Stornoway	1025·8	0	W	3	ofr	50	85	6	450	St	10	-	10	2
Wick	1024·8	+1	W	2	bc-	48	85	8	-	-	0	A St	4	0
Castlebay	1029·1	+1	WSW	4	0	54	92	7	5750	St	10	-	10	4
Nairn	1027·0	0	W	3	bc/r	49	75	8	4000	Cu	4	-	4	*
Aberdeen	1028·1	+1	WNW	2	b-	51	75	7	4000	St Cu	2		2	0
Malin Head	1031·2	+1	W	4	bc+	53	97	8	<150	Cu	4	-	4	1
Renfrew	1030·8	+1	WSW	3	c	50	85	8	4000	St Cu	6	A Cu	8	*
Inchkeith	1029·2	+2	W	4	b	52	75	8	*	St	3	-	3	3
Eskdalemuir	1031·8	+2	WSW	4	b-	48	85	8	1500	St	2	-	2	*
Tynemouth	1030·2	+1	WNW	1	bc-	52	85	6	4000	St	4	-	4	0
Blacksod Point	1033·7	+2	W	2	c-	54	97	8	2500	St Cu	8	-	8	0
Donaghadee	1032·8	+2	W	1	o+	53	85	8	2500	St	10	-	10	0
Birr Castle	1033·7	*	NW	1	bc-	50	92	7	4000	St Cu	6	-	6	*
Baldonnell	1035·2	+3	-	0	bc	49	85	7	4000	St Cu	4	-	4	*
Holyhead	1034·6	+5	NW	4	b	54	85	8	1500	St Cu	3	-	3	1
Liverpool (Bidston)	1033·6	+3	W/N	3	bcv	52	85	9	2500	St Cu	4	-	4	3
Chester (Shotwick)														*
Howden	1032·1	+3	-	0	bc+	55	92	6	4000	St Cu	3	Ci St	6	*
Spurn Head	1031·4	+2	NW	3	b	54	75	7	7250	Cu Nb	2	-	2	2
Nottingham	1032·9	*	W	3	b	54	85	5	-	-	0	-	0	*
Cranwell	1031·9	+1	WNW	3	c-	51	97	6	4000	St Cu	8	-	8	*
Gorleston	1030·1	0	W	2	c	50	85	7	5750	St Cu	8	-	8	0
Pulham	1031·1	0	W/S	2	0	55	85	4	2500	St Cu	6	-	6	*
Felixstowe	1031·6	1	W/N	2	b-	54	85	8	2500	St Cu	3	-	3	0
Valencia (Cahirciveen)	1036·1	+2	WNW	1	b-	54	92	9	-	-	0	A St	3	1
Roches Point	1035·5	+1	NW	1	bc-	57	92	7	-	-	0	Ci	5	0
Pembroke (St. Ann's H.)	1034·4	+1	WNW	2	c	57	92	9	2500	St	7	-	7	2
Ross-on-Wye	1033·2	+1	WNW	1	cv	54	85	9	7250	St Cu	6	Ci	7	*
Benson	1032·7	+1	-	0	0	53	92	7	*	St Cu	10	-	10	*
S. Farnborough	1033·3	+2	-	0	[illegible]	51	92	7	2500	St Cu	10	-	10	*
London (Kew Obsy.)	1033·0	+2	WSW	1	[illegible]	53	85	4	-	-	0	A Cu	1	*
Croydon	1032·3	+1	NW	1	c-	52	85	5	2500	St Cu	6	Ci	7	*
Clacton-on-Sea	1031·7	+1	W	2	bc	54	85	6	7250	St Cu	4	-	4	0
Shoeburyness	1032·1	+1	-	0	o/f	55	75	7	4000	St	10	-	10	*
Grain	1032·5	+2	-	0	0	54	85	7	4000	St Cu	10	-	10	0
Lympne	1032·5	+2	NW/N	3	bc-	53	75	6	4000	St Cu	4	-	4	*
Scilly (St. Mary's)	1034·8	+1	NW	2	b-	55	92	9	-	-	0	Ci	1	1
Falmouth	1035·0	+1	N	3	c-	50	85	7	2500	St Cu	7	A Cu	8	*
Plymouth	1033·4	+1	NNE	1	0	57	85	8	4000	St Cu	10	-	10	*
Portland Bill	1033·6	0	N	3	b	56	85	8	-	-	0	A Cu	3	1
Calshot	1033·5	+2	NNW	2	o+	57	75	7	4000	St Cu	9	A Cu	10	0
Dungeness	1032·2	+1	NNE	2	o	56	85	6	800	St	10	-	10	2
Jersey	1031·4	0	NE	2	c	60	85	8	4000	St Cu	8	-	8	0

London Observations

24 Hours ended 0900 G.M.T. 28th (Sunshine: Yesterday; Humidity 15h.: Yesterday; 9h.: To-day)

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. %
Kew	bm/w	bc. o bm	bm/o f/w	*	*	31	-	tr	2·2	*	*
Croydon (24 hours ended 0700)	o.c. bcff	bc.c.o/m	c.bcff	*	*	34	-	tr	2·3	*	*
Greenwich (Royal Obsy.)	c	c	c. bm.o	60	39	31	-	-	1·0	68	92
City (Bunhill Row)	*	*	*	*	*	*	*	*	0·9	*	*
Westminster (St. James' Pk.)	*	*	*	62	43	36	-	-	1·8	71	93
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	2·2	*	*
Camden Sq. (Brit. Rainfall)	c	c	*	61	43	40	-	-	*	68	95
Kensington Palace	bc	0	*	62	43	33	-	-	*	63 (18h)	97
Hampstead Observatory	*	*	*	60	44	31	-	tr	2·6	*	98

Atmospheric Pollution.
Lbs. of Solid impurity per million cubic yards.

24 Hr. ended 1800 G.M.T. 27th

South Kensington Max.	Time.	Min.	Time.
5 / 4	1700 26th / 0900 27th	½	1500 27th

Kew Observatory Max.	Time.	Min.	Time.
2·8	2400 26th	0·2	27th 1300-1400

Solar Radiation.
Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 27th 17 h. 45 m. to 28th 5 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	12· 0	6·34	41
δ Ursae Minoris	12· 0	6·20	53

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

28th and 29th October 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset G.M.T.
Yarmouth	6·43 / 6·44	11·37 / 11·37	4·31 / 4·30
Greenwich	6·48 / 6·49	11·44 / 11·44	4·40 / 4·39
Wick	7·20 / 7·22	11·56 / 11·56	4·32 / 4·30
Valencia	7·30 / 7·31	12·25 / 12·25	5·20 / 5·19

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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.

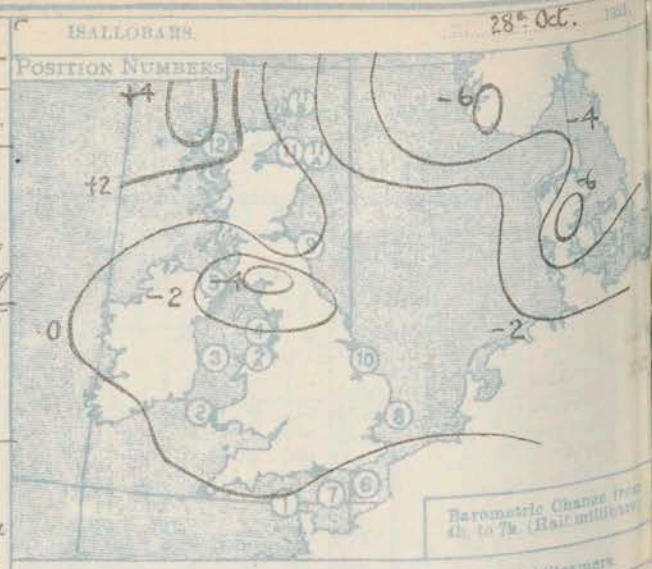
Beaufort No.	Statute miles per hour.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

* 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. 27th	13h.-19h. 27th	18h. 27th to 7h. 28th	19h.-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. Hours.
Lerwick	b.bc	b.bc	rr	r.r	53	46	•	2	9	-	<2100	•
Stornoway	b	b	r d	b	52	52	•	2	5	-	<2100	0·0
Wick	b.bc	b.bc	orr	ohrrq	53	45	•	-	7	-	2200	•
Castlebay	ob.bc	bc.o	o.c	c.o	54	53	•	0·6	-	-	-	3·6
Nairn	b.bc		o		54	44	•	0·2	0·3	1530	2200	4·8
Aberdeen	b.bo	c.bq	b.bc		56	47	38	-	-	-	-	4·9
Malin Head	c	c	b.bc	b.bc	?	53	•	-	-	-	-	3·5
Renfrew	oo	c	b.bc	bc.od	58	49	45	trace	trace	9·0	-	?
Inchkeith	oo	c	b.bc	oo	54	48	46	trace	-	-	-	•
Eskdalemuir	c	b.bo	c		53	43	37	trace	-	1630	-	2·1
Tynemouth	o1m	b.bo1m	oo1m	cq	56	49	•	-	-	-	-	•
Blacksod Point	b.bo	c	b.bc	b.bc	57	51	•	-	-	-	-	•
Donaghadee	bq	bc	bc	bc	59	45	•	-	-	-	-	•
Birr Castle	o.c	c	c	mf.o.c	60	41	34	0·2	0·1	<0800	<2100	5·9
Baldonnell	b.bo	c.bc	b.bc	oom	58	41	35	trace	-	9·0	-	4·4
Holyhead	o.bd	b.bc	b.bc	b.bc	57	51	40	trace	-	<0800	-	2·6
Liverpool (Bidston)	c	b.bc	c		56	49	41	trace	-	1230	-	2·0
Chester (Shotwick)												•
Howden	oo	c	b.bc	c	60	41	33	-	-	-	-	4·4
Spurn Head	c	b.bc	b.bc	b.bc	53	48	•	-	-	-	-	2·9
Nottingham	c	c	b.bc		59	43	39	-	-	-	-	2·8
Cranwell	c1m1m	c1m1m	bbc1mw	cmw	60	43	37	-	trace	-	-	3·4
Gorleston	ff.bc.o	c	b.bc	b.bc.oro	58	43	40	-	-	-	-	2·2
Pulham	c	oo	f.m	f.m	58	40	35	-	-	-	-	2·3
Felixstowe	b.bo1m	o.c	f.m		61	45	42	-	-	-	-	2·8
Valencia (Cahirciveen)	od	o.c.b	bm.f	c	59	45	42	trace	1	09·00	2200	0·4
Roches Point	oo	o	b.bc		62	45	•	-	0·3	-	-	•
Pembroke (St. Ann's H.)	c	oo	b.bo	b.bc	59	49	•	-	-	-	-	3·4
Ross-on-Wye	o.c.bc.o	obc1ock	bc.bw	bw.bce	61	38	33	-	-	-	-	2·7
Benson	oo	bo	f.m		57	37	32	-	-	-	-	•
S. Farnborough	f.m	oo	f.m		62	37	32	-	-	-	-	2·8
London (Kew Obsy.)	rm.c.bo	bc.o.bm	bmw	gFFw	60	41	31	-	trace	•	-	2·2
Croydon	o.c.bo.ff	bc.c.o.c1m	c.bomw	bcm.ff	59	43	34	-	trace	-	-	2·3
Clacton-on-Sea	om	bq	bcmq	bcm	60	42	40	-	-	-	-	2·5
Shoeburyness	f.m	c	f.m		62	42	35	-	-	-	-	2·7
Grain	f.m	oo	F		61	39	34	-	trace	-	-	3·2
Lympne	o2m.c	b.bc1m	b.bc	bccmw	60	41	35	-	-	-	-	4·0
Scilly (St. Mary's)	oo	oo	b.bc	c	58	53	•	-	0·1	-	-	0·4
Falmouth	oom	o.cm	c.bmw	bc	58	47	44	-	-	-	-	0·0
Plymouth	oo	oo	c	c	59	48	42	-	-	-	-	0·0
Portland Bill	b.bo	b.bc	b.bc	b.bo	63	51	•	-	-	-	-	•
Calshot	c	c	c	f.m	61	45	42	-	-	-	-	1·6
Dungeness	c	oo	cqZ	ff	62	43	•	-	-	-	-	•
Jersey	go	c	o	f.o	63	50	•	-	-	-	-	1·6



Temperature reported from Cross Channel and Coastal Steamers.

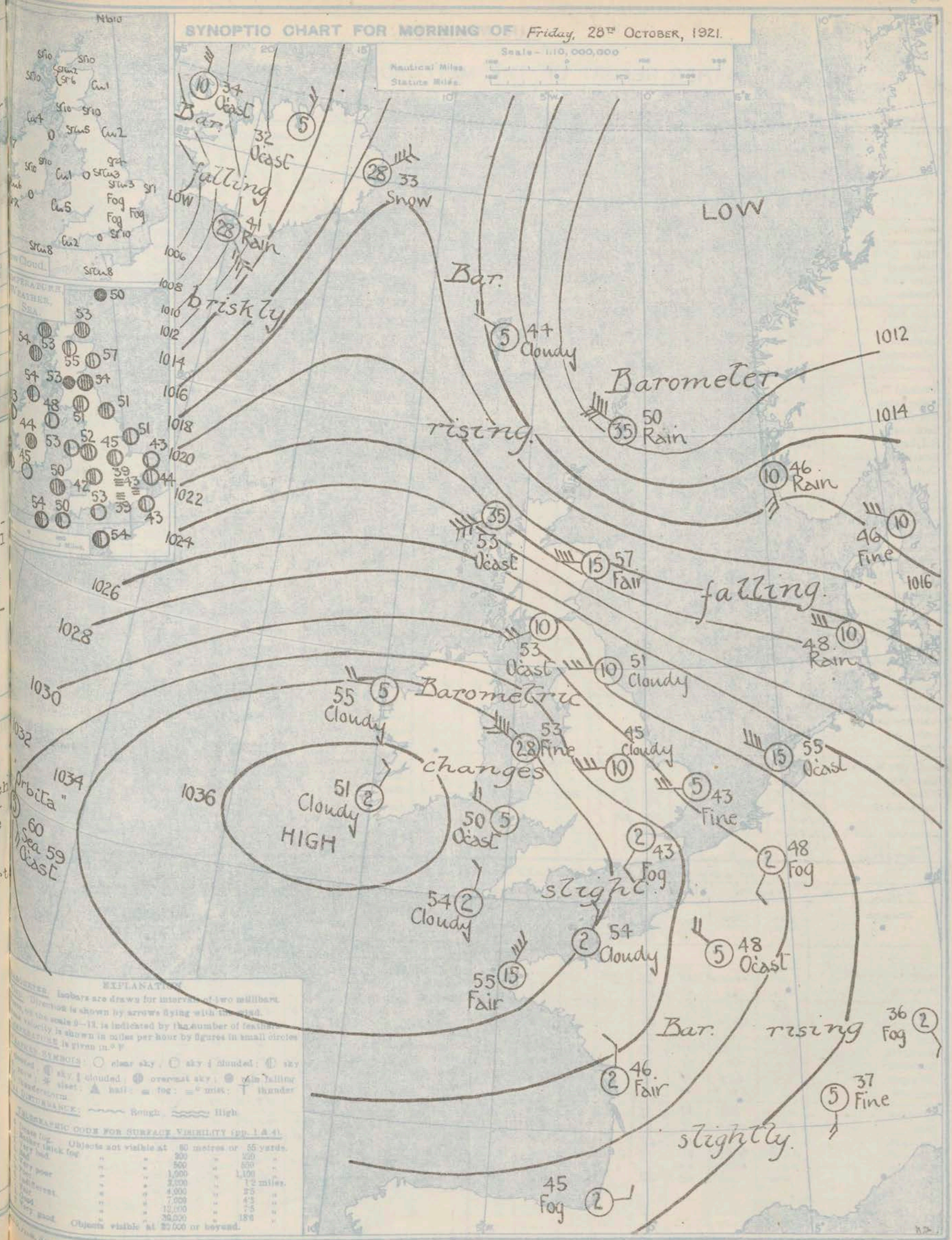
Position Number	1	4	6
Date	27th	28th	28th
Time G.M.T.	1225	0305	0315
Sea °F.	60	60	59
Air °F	61	56	57

GENERAL INFERENCE.

The anticyclone is still stationary off the South of Ireland and fair dry weather continues probable for some days in all the South-Western and Southern districts. The North-West, North and North-East however, will be affected by depressions from Iceland and will experience some rain or passing showers.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday 28th October 1921.	Farther Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind light to moderate, North-West or West; fair; rather mild; visibility mainly fair or good, but some mist at night and early morning.	Continuing dry for several days in the South; much cloud with occasional rain in the North-Western, Northern and North-Eastern parts of the Kingdom.
5. S.W. England	Wind North or North-East, light; fine; visibility mainly fair or good; mild.	
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind North-West or West, light to moderate; fair to cloudy; visibility fair or good; mild.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind West to South-West, moderate or fresh, stronger in places; sky variable, some rain or showers; visibility fair; mild.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind mainly between South-West and West or North-West, light or moderate; fair in the South, cloudy to overcast in the North; visibility fair; mild.	

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


SYNOPTIC CHART FOR MORNING OF Friday, 28th OCTOBER, 1921.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
Bar. falling
LOW
briskly
Snow
LOW
Bar.
rising.
Barometer
falling.
Barometric
changes
HIGH
slight.
Bar.
rising
slightly.
"Orbita"
Sea
EXPLANATION
Isobars are drawn for intervals of two millibars.
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; sleet; hail; fog; mist; thunder; thunderstorm.
Turbulence: Rough; High.
Telegraphic code for surface visibility (pp. 1 & 4).
Objects not visible at 50 metres or 55 yards.
Objects visible at 22,000 or beyond.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Friday, 28th October 1921. No. 301.

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)	Upper Form.	Total Amt. (0-10)	Sea (0-9)
Lerwick	1016·3	-5	W	5	ofR	41	94	6	*	Nb	10	-	10	*
Stornoway	1023·4	-5	WSW	5	rr	*	*	4	*	*	*	*	*	*
Wick	1019·5	-6	SW	2	orr	48	94	8	800	St	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1031·0	0	WSW	4	bc-	54	94	4	2500	Cu	4	-	4	*
Renfrew	1030·0	-1	WSW	4	bc	53	75	8	4000	St Cu	6	-	6	*
Inchkeith	1024·4	-3	WSW	4	b	50	85	9	*	St Cu	2	-	2	*
Eskdalemuir														
Tynemouth	1030·0	+1	W	3	b-	49	94	4	4000	St Cu	6	-	6	*
Blacksod Point	1034·9	+1	W	3	bc	54	92	4	1500	Cu	5	-	5	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1035·9	0	SW'W	3	bcr	47	92	4	2500	St Cu	4	-	4	*
Holyhead	1034·7	0	W'S	3	b	*	*	8	—	-	0	-	0	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sholwick)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1031·9	-2	W	3	bc+	43	94	5	4000	St	2	A St	4	*
Spurn Head	1031·2	-1	NW	4	b	50	85	6	-	-	0	-	0	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1032·9	0	W'N	3	mub	43	97	5	-	-	0	-	0	*
Gorleston	1030·9	0	NW	2	b	46	92	8	-	-	0	-	0	*
Pulham	1032·0	+1	W	1	-mb-	45	94	4	-	-	0	-	0	*
Felixstowe														
Valencia (Cahirciveen)	1036·1	+1	SE	1	c	55	55	4	-	-	0	A St	4	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1036·1	0	NE	2	b	51	94	5	*	St	2	-	2	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1033·4	0	W	1	bc-	47	94	5	-	-	0	Ci	4	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1032·1	0	-	0	b	47	92	6	-	-	0	-	0	*
Scilly (St. Mary's)	1035·4	+1	NNE	1	c+	55	97	9	4000	St Cu	8	-	8	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1035·2	0	NE	1	b	54	92	8	4000	St	3	-	3	*
Portland Bill	1034·6	-1	N	4	b	53	85	8	-	-	0	-	0	*
Calshot	1034·1	+1	NW	2	mb	50	94	5	-	-	0	-	0	*
Dungeness	1032·2	0	N	3	b-	50	92	4	-	-	0	-	0	*
Jersey 7h / Guernsey 1h	1034·8	0	NNE	3	o	56	85	8	-	-	0	A St	9	*

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)	Upper Form.	Total Amt. (0-10)	Sea (0-9)
Lerwick	1011·0	-3	NW	4	or r	50	94	6	*	Nb	10	-	10	5
Stornoway	1023·6	+4	WSW	4	ofr	53	92	6	450	St	10	-	10	6
Wick	1017·3	-1	WNW	4	ofr	53	94	6	450	St	10	-	10	3
Castlebay	1028·1	+1	WNW	5	o	54	92	6	1500	St	10	-	10	5
Nairn	1022·3	*	WSW	5	c/r	55	85	8	1500	St	8	-	8	4
Aberdeen	1021·2	+1	W	4	bc	54	75	8	4000	St Cu	1	A St	5	0
Malin Head	1030·0	-2	WSW	4	bc	54	94	8	2500	Cu	4	-	4	3
Renfrew	1029·1	-1	WSW	3	od	53	86	8	1500	St	10	-	10	*
Inchkeith	1026·0	+1	W'N	5	o	54	85	9	*	St	10	-	10	4
Eskdalemuir	1028·4	-4	WNW	6	c	51	85	8	2500	St Cu	8	A St	4	*
Tynemouth	1024·1	-3	W	3	bc	51	85	8	4000	Cu	2	A Cu	6	2
Blacksod Point	1034·4	-1	W	2	c+	53	83	4	2500	St	4	-	4	0
Donaghadee	1032·3	-1	W	2	b-	48	92	8	-	-	0	A Cu	3	1
Birr Castle	1034·4	*	NW	1	mo-	44	94	5	450	St	10	-	10	*
Baldonnell	1036·0	0	W'S	3	o	46	94	4	<150	St	10	-	10	*
Holyhead	1034·1	-1	WNW	6	b	53	92	8	1500	Cu	1	Ci	3	4
Liverpool (Bidston)	1032·4	-1	W	5	bc	52	85	4	2500	Cu Nb	6	-	6	2
Chester (Sholwick)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1030·1	-1	W	3	c+	46	92	6	4000	St	4	A St	4	*
Spurn Head	1029·1	-1	WNW	5	bc+	51	85	8	1500	St	3	Ci Cu	4	2
Nottingham	1031·4	*	W	3	c+	45	94	4	2500	St Cu	3	Ci	4	*
Cranwell	1030·8	-2	WNW	3	c	46	97	6	2500	St Cu	3	Ci Cu	4	*
Gorleston	1029·6	-1	W	2	b-	43	94	6	2500	St	1	Ci Cu	3	0
Pulham	1031·0	-1	WSW	2	fc-	41	94	3	4000	St	3	Ci St	8	*
Felixstowe	1031·8	0	W'N	4	mmg	46	94	5	-	-	0	A St	4	1
Valencia (Cahirciveen)	1034·2	0	NE	1	c	51	94	9	5450	St Cu	8	-	8	0
Roches Point	1036·9	0	NW	2	b	45	94	4	-	-	0	-	0	0
Pembroke (St. Ann's H.)	1035·6	0	NW	2	bc+	[illegible]	85	8	4000	Cu	5	-	5	2
Ross-on-Wye	1034·0	-1	W'N	1	bc+	42	94	9	-	-	0	A St	6	*
Benson	1033·8	0	W	1	ffo	39	94	3	*	St	10	-	10	*
S. Farnborough	1034·1	0	WNW	2	FO-	39	94	1	<150	St	9	-	9	*
London (Kew Obsy.)	1033·4	0	SW	1	FFO	43	94	0	<150	St	10	-	10	*
Croydon	1033·6	0	W'N	1	ffo	44	94	2	<150	St	10	-	10	*
Clacton-on-Sea	1032·4	0	WNW	2	bc	44	92	5	-	-	0	A St	6	0
Shoeburyness	1032·6	0	NW	1	mc-	43	92	4	11000	Cu	2	Ci Cu	8	*
Grain	1032·9	0	W	2	ffc	42	94	3	-	-	0	Ci Cu	4	0
Lympne	1033·0	0	WNW	2	fc	41	94	3	-	-	0	Ci	4	*
Scilly (St. Mary's)	1035·4	0	NNE	1	c	54	94	9	4000	St Cu	8	-	8	1
Falmouth	1035·4	0	N	2	bc	50	94	8	2500	Cu	2	Ci	6	*
Plymouth	1035·5	0	-	0	mo	49	94	6	1500	St	10	-	10	*
Portland Bill	1034·6	0	N	2	b+	53	85	8	-	-	0	A Cu	3	1
Calshot	1034·3	0	N	2	o+	47	94	6	-	-	0	A St	10	0
Dungeness	1032·4	0	N	2	mt-	43	94	4	-	-	0	Ci Cu	6	2
Jersey 7h / Guernsey 1h	1034·0	0	NE	1	c	54	85	8	4000	St Cu	8	-	8	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR Thursday, 27th

STATIONS	Weather Fore-noon.	Weather After-noon.	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall.† Night 17h.-9h. 26th-27th (mm.)	Rainfall.† Day 9h.-17h. 27th (mm.)	Sunshine Sunrise to 17h. 27th (hr.)	Sunshine Sunrise to Sunset 26th (hr.)
Banff	b.bc	bc.c.o	55	45	2	-	6·0	3·9
Montrose	bc	bc	55	45	-	-	4·2	5·9
Llandudno	od	÷	57	53	-	1	1·8	4·3
Colwyn Bay	bc	c.bc.bc	54	52	-	-	0·4	4·2
Rhyl	c	c.bc.c	57	52	-	-	0·6	1·0
Southport	op.o.c	c.bc	54	53	-	1	3·4	0·4
Blackpool	o.c	bc	58	52	-	-	3·4	0·0
Harrogate	b.bc	bc.b	57	50	-	-	5·5	7·3
Skegness	o	o.bc.b	60	49	-	-	0·0	0·0
Aberystwyth	o.c.o	c.o	58	52	-	-	0·0	6·8
Bath	m.o	o.cm	58	51	-	-	0·3	0·2
Leamington Spa	o	o	59	48	-	-	1·5	2·3
Lowestoft	o.c.bc	bc.c.bc	58	48	-	-	1·8	0·0
Felixstowe	of	bcm	60	51	-	-	2·6	0·0
Southend	mo	c.o	63	50	-	-	2·3	0·0

STATIONS	Weather Fore-noon.	Weather After-noon.	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall.† Night 17h.-9h. 26th-27th (mm.)	Rainfall.† Day 9h.-17h. 27th (mm.)	Sunshine Sunrise to 17h. 27th (hr.)	Sunshine Sunrise to Sunset 26th (hr.)
Paignton	o.cm.bc	b.bc	62	51	-	-	3·4	0·1
Ilfracombe	o	o.c	60	54	-	-	1·3	1·0
Bude	o	o.bc.c.o	59	46	-	-	2·0	0·0
Penzance	o.c	c.o.bc	59	53	-	-	0·1	0·0
Torquay	o.c.b	b.bc.o	62	52	-	-	3·6	0·0
Weymouth	c.bc	bc.c	65	52	-	-	5·3	1·0
Bournemouth	o.bc	bc	61	51	-	-	4·7	1·6
Portsmouth (S'thsea)	o	bc	61	56	-	-	1·2	5·9
Worthing	o.bc	bc.o	61	53	-	-	2·5	5·6
Brighton	oz.o.c	c.o	63	53	-	-	1·1	5·1
Eastbourne	o	o.c.o.c	63	54	-	-	0·6	3·9
Hastings	o.c.b	bc.c.om	61	54	-	-	3·0	2·3
Folkestone	bc.b	b.bc	62	54	-	-	5·1	0·0
Tunbridge Wells	o	o.bc.c	62	51	-	-	1·8	0·2
Ramsgate	bc	bc	58	43	-	-	3·1	0·0
Margate	o	c.b.bc.c	58	52	-	-	2·3	0·0
Deal	m	bc	59	54	-	-	3·0	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.21891. SATURDAY, 29th OCTOBER 1921. 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	Sea 0-9
Lerwick	1017.2	+2	NW	2	o/r	46	92	7	7250	Nb	10	-	10	*
Stornoway	1024.3	0	WSW	5	o	54	85	6	450	St	10	-	10	*
Wick	1020.8	+1	WNW	4	o/d	52	97	5	450	St	10	-	10	*
Castlebay	1029.1	0	W	4	zc	54	85	6	2600	Cu	7	-	7	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1023.3	+2	W	5	o+	58	75	8	2500	St	10	-	10	*
Malin Head	1031.0	0	W	4	o+	58	97	8	2500	CuNb	9	-	9	*
Renfrew	1029.2	0	W	3	o·	56	85	8	1500	StCu	9	-	9	*
Inchkeith	1025.2	-1	W	6	bc-	55	85	8	-	Cu	4	CiCu	6	*
Eskdalemuir	1026.6	-2	WNW	8	c	54	75	8	1500	StCu	3	CiSt	7	*
Tynemouth	1026.8	0	WNW	4	bc	58	85	7	4000	Cu	2	CiSt	4	*
Blacksod Point	1035.4	+1	W	2	c	56	85	8	1500	StCu	8	-	8	*
Donaghadee	1031.5	+2	WNW	4	b-	57	75	8	-	-	0	CiCu	3	*
Birr Castle	1035.9	-	S	1	c-	54	97	8	4000	StCu	5	ACu	7	*
Baldonnell	1035.6	-2	WSW	5	bc	53	85	8	800	Cu	5	-	5	*
Holyhead	1033.4	-2	WNW	5	bv	55	92	9	1500	Cu	1	Ci	2	*
Liverpool (Bidston)	1031.4	-2	W	5	bc-	56	75	8	4000	StCu	2	CiSt	4	*
Chester (Shotwick)														
Howden	1028.6	-2	W'N	5	bc	59	75	8	-	-	0	CiSt	4	*
Spurn Head	1026.7	-3	WNW	6	bc	57	85	8	-	-	0	Ci	5	*
Nottingham	1030.7	*	NW	4	bc	58	75	6	4000	Cu	6	-	6	*
Cranwell	1029.0	-4	NW'N	5	c	57	85	7	-	-	0	CiSt	7	*
Gorleston	1027.1	-2	NW	5	b	57	75	7	-	-	0	CiCu	3	*
Pulham	1028.7	-2	W'N	4	b	56	85	7	-	-	0	Ci	3	*
Felixstowe	1029.2	-3	NW	5	c	56	65	8	2500	St	1	ASt	7	*
Valencia (Cahirciveen)	1037.5	0	NW	3	c+	58	85	9	1500	StCu	8	-	8	*
Roches Point	1036.5	-2	NW	3	b	59	75	9	4000	Cu	1	*	1	*
Pembroke (St. Ann's H.)	1036.1	-1	WNW	2	b	54	85	9	4000	Cu	1	CiSt	1	*
Ross-on-Wye	1032.6	-2	WNW	4	bcv	58	65	9	-	-	0	Ci	4	*
Benson	1032.3	-2	NW	3	bc·	54	75	8	-	-	0	Ci	6	*
S. Farnborough	1032.2	-3	W'N	4	o-	55	75	8	-	-	0	Ci	9	*
London (Kew Obsy.)	1031.2	-4	WNW	3	bc/f	56	65	8	-	-	0	Ci	6	*
Croydon	1031.4	-3	NW	4	c-	54	75	7	-	-	0	CiSt	8	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1030.1	-3	NW	3	bc-	58	65	6	-	-	0	CiSt	4	*
Grain	1030.4	-5	WNW	4	o	58	65	7	-	-	0	CiSt	9	*
Lympne	1030.3	-4	WNW	4	c	56	65	5	-	-	0	CiSt	7	*
Scilly (St. Mary's)	1036.6	0	N'W	2	b	61	85	9	4000	Cu	1	-	1	*
Falmouth	1036.0	0	N	4	b	60	75	9	4000	Cu	2	Ci	3	*
Plymouth	1035.0	-1	N	3	bc-	60	75	9	-	-	0	Ci	4	*
Portland Bill	1034.6	0	N	3	bc	55	85	8	-	-	0	CiCu	6	*
Calshot	1033.2	-2	NW	3	o	55	75	8	-	-	0	ASt	9	*
Dungeness	1030.7	-3	NW	3	bc+	60	65	8	-	-	0	CiCu	6	*
Jersey	1033.7	0	NE	2	o	60	85	8	4000	StCu	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	1016.4	-3	SW	2	o/d	45	97	5	7250	Nb	10	-	10	1
Stornoway	1023.2	0	WSW	5	o	54	85	6	450	St	10	-	10	4
Wick	1020.2	-1	WSW	3	o/r	52	92	8	600	St	10	-	10	1
Castlebay	1028.4	0	WNW	4	o	54	92	6	400	St	10	-	10	4
Nairn	1022.9	*	W	4	c	54	75	8	4000	StCu	8	-	8	*
Aberdeen	1022.6	0	W	4	bc	55	75	7	5750	StCu	3	CiSt	5	0
Malin Head	1020.8	0	WSW	4	o+	55	97	8	4000	StCu	9	-	9	4
Renfrew	1028.7	0	WSW	4	o	54	75	8	1800	StCu	8	ASt	10	*
Inchkeith	1025.7	+3	W	5	cv	53	85	9	-	StCu	7	-	7	4
Eskdalemuir	1026.8	0	WNW	6	bc-	50	85	8	1500	StCu	4	CiSt	5	*
Tynemouth	1026.4	0	NW	3	b-	54	85	7	-	-	0	CiCu	2	2
Blacksod Point	1034.5	-1	W	2	o	54	85	8	800	StCu	5	ACu	10	0
Donaghadee	1029.5	0	NW	2	b·	53	85	8	4000	Cu	2	-	2	2
Birr Castle	1035.1	*	W	1	b·	51	97	7	-	-	0	CiCu	2	*
Baldonnell	1034.4	0	SW'W	2	b·	49	92	8	1500	Cu	1	ASt	2	*
Holyhead	1033.1	0	W	5	b	55	85	8	-	-	0	-	0	4
Liverpool (Bidston)	1031.3	0	W'N	4	o+	53	85	8	2500	StCu	10	-	10	4
Chester (Shotwick)														
Howden	1028.6	+1	W'N	4	c	51	85	8	2500	St	1	Ci	8	*
Spurn Head	1027.6	-1	WNW	6	b	53	85	7	-	-	0	-	0	4
Nottingham	1030.2	*	WNW	3	b·	53	85	6	-	-	0	-	0	*
Cranwell	1029.4	+1	NW'W	3	bc	50	92	6	-	-	0	CiSt	6	*
Gorleston	1026.6	-1	NW	4	b	54	85	7	-	-	0	CiCu	3	0
Pulham	1028.3	0	W	2	b	53	85	5	-	-	0	Ci	2	*
Felixstowe	1029.1	0	WNW	3	b	53	85	7	-	-	0	ASt	3	1
Valencia (Cahirciveen)	1037.0	+1	NNW	2	c+	56	85	9	2500	StCu	8	-	8	1
Roches Point	1036.1	0	NNW	2	b	54	92	7	-	-	0	-	0	0
Pembroke (St. Ann's H.)	1034.8	-1	WNW	3	b	54	85	9	-	-	0	-	0	2
Ross-on-Wye	1032.2	0	W	1	bv	50	85	9	-	-	0	-	0	*
Benson	1031.1	0	-	0	b·	48	85	8	-	-	0	Ci	2	*
S. Farnborough	1031.2	+1	NW	1	b	49	92	8	-	-	0	-	0	*
London (Kew Obsy.)	1030.8	0	WSW	1	mb	51	85	4	-	-	0	Ci	3	*
Croydon	1030.7	+1	NW'W	2	c	51	85	4	-	-	0	CiSt	7	*
Clacton-on-Sea	1028.8	0	WNW	3	bc	53	85	7	2500	Cu	4	-	4	0
Shoeburyness	1029.6	0	N'W	2	b	52	75	6	-	-	0	-	0	*
Grain	1029.8	0	WSW	2	bc	48	85	7	-	-	0	CiSt	5	0
Lympne	1030.0	+2	WNW	3	bc	50	85	5	-	-	0	Ci	4	*
Scilly (St. Mary's)	1036.4	0	NNW	2	b	54	85	9	4000	Cu	1	-	1	1
Falmouth	1034.3	0	NNW	2	bc+	51	85	7	-	?	?	?	?	*
Plymouth	1033.6	0	NW	3	b-	54	85	8	4000	Cu	1	CiSt	2	*
Portland Bill	1032.0	-3	N	4	b-	55	85	8	-	-	0	-	0	3
Calshot	1031.4	-1	W	1	c·	50	85	8	-	-	0	CiSt	7	0
Dungeness	1030.3	0	NW	2	b	50	85	6	-	-	0	-	0	3
Jersey	1032.4	-1	NE	4	b	55	75	8	-	-	0	-	0	0

LONDON OBSERVATIONS. (Weather, Temperature, Rainfall: 24 Hours ended 0900 G.M.T. 29th; 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 (24 hours ended 0700)	bmwcbc	bczbm	bcbcccw	*	*	32	-	trace	2.6	*	*
Croydon (24 hours ended 0700)	offmmc	czm	cmcbcw	*	*	35	trace	trace	3.6	*	*
Greenwich (Royal Obsy.)	oco	ocbbz	bzbmo	58	44	34	-	-	2.1	71	81
City (Bunhill Row)	*	*	*	*	*	*	*	*	1.9	*	*
Westminster (St. James' Pk.)	*	*	*	59	42	33	-	-	2.4	77	85
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	2.5	*	*
Camden Sq. (Brit. Rainfall)	bc	b	*	59	42	38	-	-	*	74	81
Kensington Palace	b	b	*	58	43	32	-	-	*	72 (18h)	86
Hampstead Observatory	*	*	*	57	44	35	-	trace	3.9	*	81

ATMOSPHERIC POLLUTION. Lbs. of Solid Impurity per million cubic yards.

24 Hr. ended 1800 G.M.T. 28th

	Max.	Time.	Min.	Time.
South Kensington	5 / 4	20h. 27th / 8h. 28th	1/2	3h. 28th
Kew Observatory	1 / 0.8	19h. 27th / 8h. 28th	0.2	3h. 28th

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday. South Kensington.
Total .... joules
Average Rate .... Milliwatts.
Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 28th 17 h. 45 m. to 29th 5 h. 45 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	12.0	11.40	97
δ Ursae Minoris	12.0	10.19	86

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

29th & 30th OCTOBER 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.44 / 6.46	11.34 / 11.34	4.31 / 4.30
Greenwich	6.49 / 6.51	11.44 / 11.44	4.39 / 4.37
Wick	7.22 / 7.25	11.56 / 11.56	4.38 / 4.17
Valencia	7.31 / 7.33	12.25 / 12.25	5.18 / 5.19

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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.

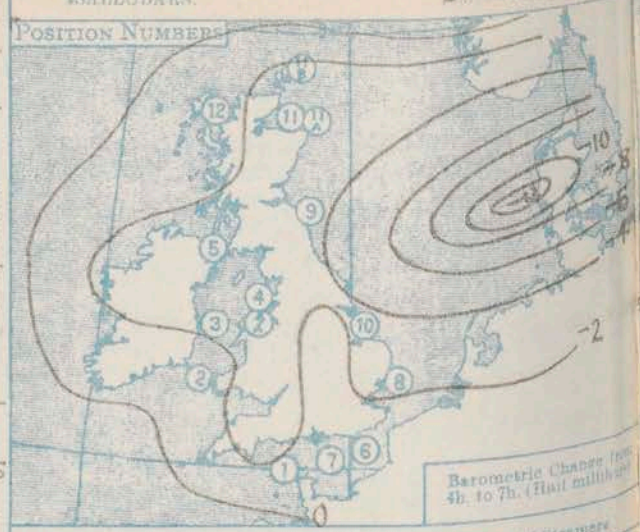
Beaufort No.	Statute miles per hour.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 28th	13h.-18h. 28th	18h. 28th to 18h. 29th	18h.-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. Hours.
Lerwick	r or d	r or d	r or d	r or d	49	44		0.3	6	1730	23100	
Stornoway	F	oo	oo	r or d	54	53			1			0.0
Wick	omddd	omd	oqir.	oirq	54	50		0.6	0.4	40800	1.30	
Castlebay	ocm	cmo	oco	o	54	54						1.2
Nairn	c	c	c		57	53			0.2			0.3
Aberdeen	bccoq	bcqrq	bc	oq	59	54	50					0.0
Malin Head	c	c	oo	oo	55	53						3.6
Renfrew	oo	oo	oo	oc	57	52	50					0.5
Inchkeith	c	c	bor bc	oo	55	55	48					
Eskdalemuir	c	c	c		53	48	43					4.8
Tynemouth	b bcm	cmo	bor bcm	cimq	58	50						
Blacksod Point	c	c	c	oo	57	51						
Donaghadee	bcq	bc	ov	oq	58	51						
Birr Castle	omq bc	c bc	bc	bcco	57	43	33	0.2		40800		4.5
Baldonnell	b or bc	b or bc	bbcco	oo	56	45	39					6.8
Holyhead	b or bc	b or bc	bbcco	oo	57	53	47					7.6
Liverpool (Bidston)	b or bc	b or bc	oo		57	49	46					6.1
Chester (Shotwick)												
Howden	b or bc	c	b or bc	c	60	47	39					7.0
Spurn Head	b or bc	b or bc	b or bc	c	56	50						6.3
Nottingham	c	b or bc	c		58	49	43					3.8
Cranwell	cim	oim	b or bcmq	oo	57	46	39					5.0
Gorleston	b or bc	b or bc	b or bc	b or bc	58	44	42					4.0
Pulham	c	b or bc	b or bc	b or bc	57	44	38					4.7
Felixstowe	c	b or bc	b or bc		57	46	46					5.1
Valencia (Cahirciveen)	cbcqc	cb bcc	cbc b	bbccpc	59	45	40		trace			5.1
Roches Point	b or bc	b or bc	b or bc		59	50			0.4			
Pembroke (St. Ann's H.)	b or bc	b or bc	b or bc	b or bc	56	51						8.5
Ross-on-Wye	c b c v	b c v b v	b v	b v c v o	59	43	34					7.3
Benson	c	b or bc	oo		56	36	30					
S. Farnborough	f o r m	c	oo		58	37	30					2.9
London (Kew Obsy.)	bmwcbc	bcqbm	bwbmw	bwbccw	57	42	32		trace			2.6
Croydon	ofmimwc	cqm	omimw	cbcmim	57	45	36	trace	trace			3.6
Clacton-on-Sea	bcmcq	cbcq	bcq	bcq	58	45	42					5.4
Shoeburyness	c	b or bc	b or bc		59	45	40					5.3
Grain	f o r m	c	oo		59	42	34					4.2
Lympne	cocfm	bcimm	b or bc	bbccmw	56	43	37		trace			5.1
Scilly (St. Mary's)	b or bc	b or bc	b or bc	b or bc	61	52						7.6
Falmouth	b bv	bqbobq	bmw	b b	61	45	39					7.9
Plymouth	c	c	b or bc	b or bc	61	49	38					7.6
Portland Bill	c	b or bc	b or bc	b or bc	59	51						
Calshot	f o r m	f o r m	b or bc	b or bc	56	40	38					2.6
Dungeness	c	b or bc	b or bc	c	60	41						
Jersey	o	qb	bw	bw	61	50						2.3

ISALLOBARS. 29th Oct.



Temperature reported from Cross Channel and Coastal Steamers

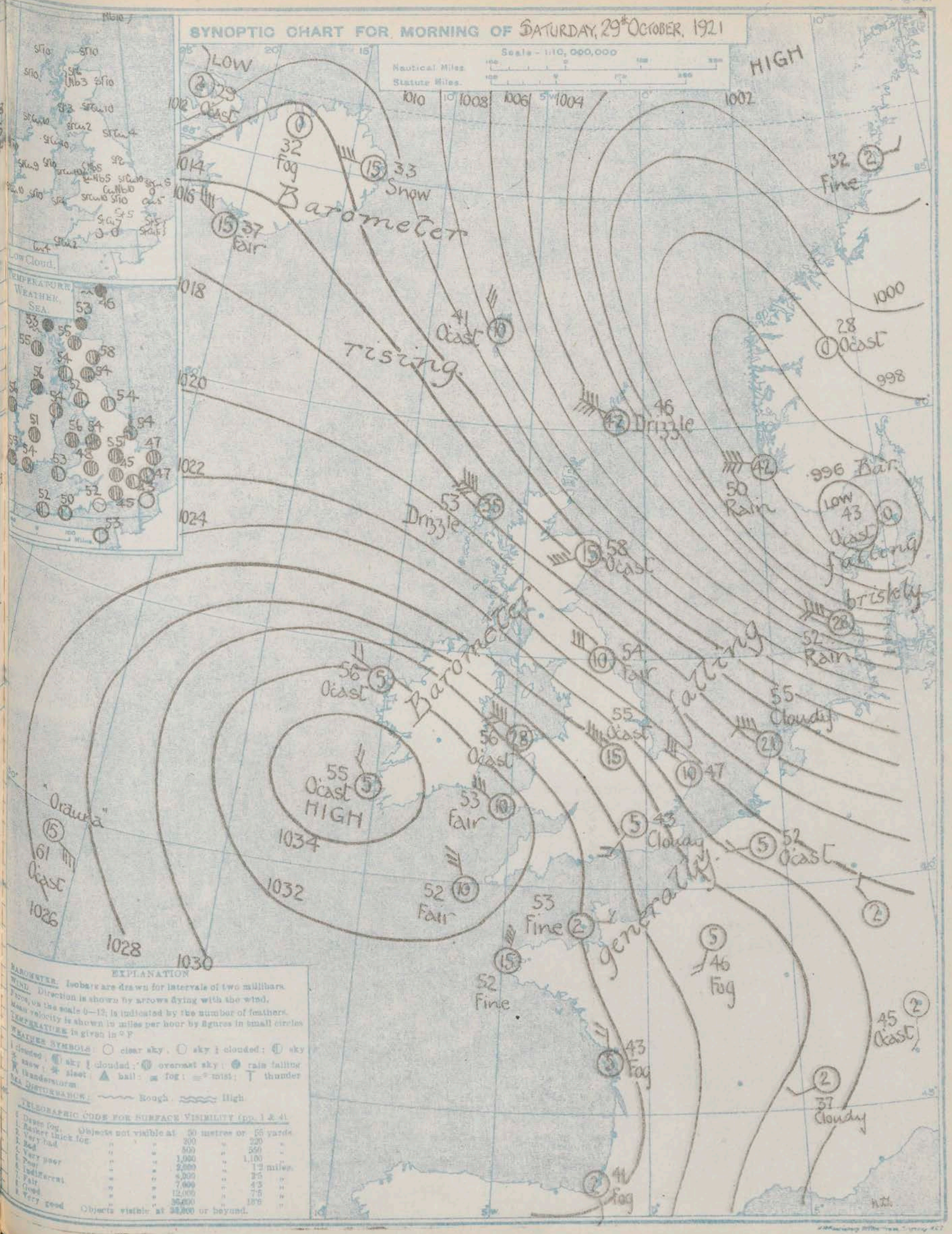
Position Number	5.	6.	7.
Date	28th	29th	27th
Time G.M.T.	1005	0006	0005
Sea ° F	57	59	60
Air ° F	54	54	55

GENERAL INFERENCE.

The anticyclone, now centred off the South-West of Ireland, will maintain dry weather in the South and South-West, but a depression to the Eastward of the North Sea will cause some showers in the Northern and North-Eastern districts. Temperature will fall a few degrees generally.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 29th October, 1921.	Farther Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind mainly North-West, light or moderate, fresh at times locally; fair or cloudy; visibility generally good; becoming rather colder.	Continuing fair in the South and South-West, but some showers probable in other districts.
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 between North and North-West, moderate or fresh, strong locally; mainly cloudy or overcast, some local showers; visibility fair or good; temperature falling somewhat.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind North-West or North, strong to moderate; much cloud, some rain or showers; visibility fair or good; rather colder.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind mainly North-Westerly, light or moderate; fair or cloudy; visibility fair or good; rather colder.	

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


SYNOPTIC CHART FOR MORNING OF SATURDAY, 29th OCTOBER, 1921
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
HIGH
Barometer rising
Barometer falling generally
Low Cloud.
TEMPERATURE
WEATHER
SEA
"Orawia"
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 clouded; sky ½ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards
1 Darker thick fog " " 200 " 220 "
2 Very bad " " 500 " 550 "
3 Bad " " 1,000 " 1,100 "
4 Very poor " " 2,000 " 1½ miles
5 Poor " " 4,000 " 2·5 "
6 Indifferent " " 7,000 " 4·3 "
7 Fair " " 12,000 " 7·5 "
8 Good " " 20,000 " 12·6 "
9 Very good " " 36,000 " 18·6 "
Objects visible at 36,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. SATURDAY 29th OCTOBER 1921. No. 302

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	1005.9	-4	NW	8	or r.	52	97	6	-	Nb	10	-	10	*
Stornoway	1020.5	-3	W	6	0	*	*	4	*	*	*	*	*	*
Wick	1013.6	-6	WNW	6	or	55	97	8	450	St.	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1028.9	-1	WSW	4	0	56	92	8	-	-	-	A.St	10	*
Renfrew	1025.3	-3	W	4	0	56	75	8	1500	St.Cu	9	-	9	*
Inchkeith	1030.5	-6	W	5	bcv	54	85	9	-	St.Cu	5	-	6	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1023.3	-4	W	3	b	51	92	7	-	-	-	-	0	*
Blacksod Point ...	1034.7	0	WNW	2	0+	56	85	7	450	St.	10	-	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1034.4	-1	WSW	4	0+	49	92	8	1500	~~Sc Nb~~ SC	10	-	10	*
Holyhead	1031.6	-1	W'N	5	0+	*	*	8	1500	St.Cu	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sholwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1026.4	-3	WNW	4	b	49	85	8	2500	St.	1	-	1	*
Spurn Head	1025.4	-1	WNW	6	b	52	85	9	-	-	-	-	0	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1027.6	-3	NW'W	4	mb	47	97	7	-	-	-	-	0	*
Gorleston	1025.4	-1	NW'W	3	b+	47	92	7	-	-	-	Ci.Cu	1	*
Pulham	1026.7	-2	W'S	3	b-	46	97	6	-	-	-	-	0	*
Felixstowe	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Valencia (Cabirciveen)	1037.3	-1	SW	1	b	53	92	8	-	-	-	A.St	1	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1033.6	-1	NW	3	b	52	92	9	-	-	-	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	45	*	*	*	*	*	*	*	*
Croydon	1039.7	-2	W	3	c	46	92	7	-	-	-	Ci	8	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1028.9	-2	WNW	4	b	45	92	6	-	-	-	-	0	*
Scilly (St. Mary's) ...	1035.0	0	NNW	2	bc	55	85	8	4000	St.Cu	4	-	4	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1033.4	-1	NW	1	b	50	97	8	2500	St.	1	Ci.St	3	*
Portland Bill	1033.0	0	WNW	4	b	50	85	8	-	-	-	-	0	*
Calshot	1031.0	-1	WNW	3	b	44	92	8	-	-	-	-	0	*
Dungeness	1028.3	-1	NNW	3	b	45	92	6	-	-	-	-	0	*
Jersey 7h. Guernsey 1h. ...	1031.6	0	NW	3	b	55	85	8	-	-	-	-	0	*

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	1002.3	0	NW	8	odo	46	92	6	5750	Nb	10	-	10	7
Stornoway	1017.3	-1	NW'W	7	odod.	53	97	6	450	St.	10	-	10	6
Wick	1010.8	-3	WNW	7	or r.	53	92	5	800	St.	10	-	10	4
Castlebay	1023.7	0	WNW	5	0	55	92	7	4000	St.	10	-	10	5
Nairn	1025.4	*	W	8	0+	55	92	8	1500	St.	4	-	9	*
Aberdeen	1014.2	-2	W'S	4	0+	58	85	8	2500	St.	10	-	10	0
Malin Head	1026.6	-2	WSW	4	0	56	97	7	4000	St.Cu	10	-	10	4
Renfrew	1023.2	-2	WNW	4	c+	54	85	8	1600	St.	3	A.St	7	*
Inchkeith	1017.0	-2	W	6	0+	54	85	9	-	St.Cu	10	-	10	5
Eskdalemuir	1021.5	-2	NW'N	7	0	52	75	8	2500	St.Cu	2	A.St	8	*
Tynemouth	1020.8	-2	WNW	3	bc+	54	85	7	5750	St.Cu	4	-	4	2
Blacksod Point ...	1032.4	-2	WNW	2	0	56	75	7	1500	St.	10	-	10	0
Donaghadee	1026.1	-1	W	4	0V	54	75	9	5750	St.Cu	10	-	10	4
Birr Castle	1023.2	*	W	1	0+	51	97	7	4000	St.Cu	9	-	9	*
Baldonnell	1031.9	-2	W'S	4	0	52	85	8	1500	St.	10	-	10	*
Holyhead	1029.9	-2	W'N	6	0	56	85	8	2500	St.Cu	10	-	10	4
Liverpool (Bidston) ...	1026.8	-2	W	6	0	54	85	7	1500	Nb	10	-	10	5
Chester (Sholwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1023.6	-2	WNW	4	0	52	85	8	2500	St.	2	Ci.	8	*
Spurn Head	1021.9	-4	WNW	6	c+	54	88	7	1500	St.	3	Ci.Cu	7	5
Nottingham	1026.2	*	NW	4	0+	55	75	6	1500	Cu.Nb	10	-	10	*
Cranwell	1025.5	-1	NW'N	4	0	52	85	8	2500	St.Cu	10	-	10	*
Gorleston	1022.9	-3	NW	3	c+	47	92	7	5750	St.Cu	5	Ci.Cu	8	0
Pulham	1023.9	-3	W'S	4	0	48	92	6	7250	St.Cu	3	Ci.Cu	10	*
Felixstowe	1022.50	-2	WNW	3	b	49	92	8	-	-	-	A.St	1	1
Valencia (Cabirciveen)	1035.1	-1	NNW	2	0	55	75	9	4000	St.Cu	10	-	10	0
Roches Point	1035.4	0	WNW	2	0	54	92	8	2500	St.	10	-	10	0
Pembroke (St. Ann's H.)	1032.3	-1	NW	3	bc+	53	92	8	1500	St.	4	-	4	3
Ross-on-Wye	1029.1	-2	WSW	2	0V	48	85	9	2500	St.Cu	10	-	10	*
Benson	1028.2	-1	NW	1	0	45	97	8	-	St.	10	-	10	*
S. Farnborough ...	1028.5	-1	WNW	3	0+	41	97	8	1500	St.Cu	7	Ci	9	*
London (Kew Obsy.) ...	1027.7	-1	SW	2	c+	43	92	6	2500	St.	5	Ci	7	*
Croydon	1027.6	-1	W	3	bc+	45	92	7	-	-	-	Ci.St	4	*
Clacton-on-Sea ...	1023.1	0	WNW	2	bc	47	92	7	4000	Cu	5	-	5	0
Shoeburyness	1025.0	0	NW	2	bc	49	85	7	-	-	-	Ci.St	6	*
Grain	1026.4	-3	W	4	0	48	92	7	2500	St.Cu	9	-	9	0
Lympne	1026.7	-2	NW	2	0	48	85	7	800	St.	10	-	10	*
Scilly (St. Mary's) ...	1033.0	0	N'W	3	bc	52	92	8	4000	Cu	4	-	4	1
Falmouth	1032.6	-1	NNW	3	b	50	85	8	2500	St.Cu	2	-	2	*
Plymouth	1031.4	-2	N	1	b-	51	92	8	4000	St.Cu	2	-	2	0
Portland Bill	1030.0	-2	WNW	4	b	52	85	8	-	-	-	-	0	3
Calshot	1028.9	-3	W	3	b	40	97	8	-	-	-	Ci	1	0
Dungeness	1026.5	-1	N	2	0+	47	97	8	-	-	-	A.Cu	9	3
Jersey 7h. Guernsey 1h. ...	1030.0	0	E	1	b	53	92	8	-	-	-	-	0	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 28th

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 27th.-28th. mm.	Rainfall.† Day 9h.-17h. 28th. mm.	Sunshine. Sunrise to 17h. 28th. hr.	Sunshine. Sunrise to Sunset 27th. hr.
Banff	og	ocg	55	48	2	2	0.0	6.0
Montrose	c	c	59	47	-	-	0.8	4.2
Llandudno	bc	b'bc	57	47	-	-	6.3	1.8
Colwyn Bay ...								
Rhyl	bc	bc	56	42	-	-	7.3	0.6
Southport	c'bc	'bcco	57	52	-	-	4.5	3.4
Blackpool	g	bco	57	52	-	-	3.8	3.7
Harrogate	b	b	57	44	-	-	6.2	5.3
Skegness	mb	b	59	42	-	-	5.5	0.0
Aberystwyth ...	ocb	b'bc	57	42	-	-	4.5	0.0
Bath	mcbc	b'bc	59	42	-	-	3.8	0.3
Leamington Spa ...	c'bcg	cb'bg	57	37	-	-	1.1	1.3
Lowestoft	c'bc	bc.b	57	42	-	-	5.1	1.8
Felixstowe	bc	bc	57	43	0.2	-	5.4	2.6
Southend	mwoc	bc	63	44	-	-	4.8	2.3

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 27th.-28th. mm.	Rainfall.† Day 9h.-17h. 28th. mm.	Sunshine. Sunrise to 17h. 28th. hr.	Sunshine. Sunrise to Sunset 27th. hr.
Paignton	wbc'b	b	64	42	-	-	7.6	3.4
Ilfracombe								
Bude	w'b	bc	59	39	-	-	8.5	2.0
Penzance	b.bc	bc	62	49	-	-	7.7	0.1
Torquay	b	b	63	47	-	-	7.9	0.0
Weymouth	c'bc	bc	61	46	-	-	3.0	5.3
Bournemouth ...	f	b.bcc	57	42	-	-	3.3	4.7
Portsmouth (S'thsea)	bc	bc	56	45	-	-	0.8	1.2
Worthing	bc	bc	57	47	-	-	3.9	2.5
Brighton	c'bc	bc'b	58	45	-	-	3.3	1.1
Eastbourne	bc.c	c.bc	59	45	-	-	4.4	0.6
Hastings	bc	bc	57	45	-	-	5.5	3.0
Folkestone	b	bc	58	46	-	-	3.5	3.1
Tunbridge Wells ...	bc	bc.b	57	41	-	-	3.1	1.8
Ramsgate	b	bc	56	46	-	-	4.8	3.1
Margate	c	bc	56	50	-	-	2.0	3.3
Deal	m'b	bm	57	44	-	-	5.6	3.0

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 21,892 SUNDAY, 30th OCTOBER 1921.

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	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1009.9	-5	NW	5	c-	45	97	7	-	CuNb	8	-	8	*
Stornoway	1012.6	+1	NW	5	odd	52	92	6	450	St	10	-	10	*
Wick	1013.8	+3	NW	7	bc-	50	75	8	4000	Cu	6	-	6	*
Castlebay	1023.7	0	WNW	5	01	55	92	5	2500	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1014.5	+1	NW	5	0pr	56	75	8	1500	Nb	10	-	10	*
Malin Head	1025.6	-2	W	5	0	56	97	8	5750	StCu	9	-	9	*
Renfrew	1022.0	-1	W	4	0	56	85	8	1500	StCu	10	-	10	*
Inchkeith	1016.0	-2	W'N	7	0	55	85	8	-	-	0	CiSt	9	*
Eskdalemuir	1019.8	0	NW'W	8	0	55	75	8	2500	StCu	3	aCu	9	*
Tynemouth	1018.2	-2	W	4	0	58	85	7	-	-	0	aSt	10	*
Blacksod Point	1032.1	-1	W	2	0	56	75	8	1500	St	10	-	10	*
Donaghadee	1025.3	-3	W	5	bc-	59	65	9	-	-	0	Ci	3	*
Birr Castle	1032.8	*	W	2	0	55	85	8	4000	StCu	9	-	9	*
Baldonnell	1030.9	+1	W'N	4	0	55	75	8	4000	StCu	10	-	10	*
Holyhead	1028.2	-2	W'N	6	bc	58	75	8	-	-	0	Ci	6	*
Liverpool (Bidston)	1025.1	-2	W	8	bc-	57	75	7	4000	St	3	CiSt	5	*
Chester (Shotwick)														
Howden	1020.1	-3	WNW	7	0	59	75	8	5750	StCu	10	-	10	*
Spurn Head	1018.6	-3	W	7	0	57	85	7	1500	StCu	9	-	9	*
Nottingham	1023.2	*	NW	5	c-	59	66	6	1500	CuNb	4	CiSt	8	*
Cranwell	1022.4	-4	NW'N	6	0	57	75	7	2500	Cu	2	CiSt	9	*
Gorleston	1019.5	-4	NW	5	c	58	75	8	5750	StCu	8	-	8	*
Fulham	1020.8	-3	W	5	0	58	75	7	-	-	0	aCu	9	*
Felixstowe	1021.4	-4	NW	5	0+	59	65	8	-	-	0	aSt	9	*
Valencia (Cahirciveen)	1034.9	-3	NNW	3	0	58	65	9	4000	StCu	9	-	9	*
Roches Point	1033.5	-2	NNW	4	0	55	75	8	4000	StCu	9	-	9	*
Pembroke (St. Ann's H.)	1031.6	-1	NW	3	c	58	85	9	2500	St	7	-	7	*
Ross-on-Wye	1026.9	-3	NW'W	3	0V	58	65	9	450	StCu	8	CiSt	9	*
Benson	1025.8	-4	NW	5	bc	58	65	9	-	Cu	2	Ci	5	*
S. Farnborough	1025.6	-4	W'N	4	bc-	59	65	8	5750	Cu	2	Ci	6	*
Loudon (Kew Obsy.)	1024.5	-5	NW	4	c	58	65	8	4000	Cu	4	CiSt	8	*
Croydon	1024.7	-5	W'N	4	c-	57	65	8	4000	Cu	5	CiSt	8	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1023.1	-4	NW	6	bc	60	65	8	5750	StCu	3	Ci	4	*
Grain	1022.8	-5	WNW	6	0	60	65	7	2500	Cu	1	CiSt	9	*
Lympne	1023.2	-5	NW'W	5	0+	58	65	6	2500	Cu	3	CiSt	9	*
Scilly (St. Mary's)	1022.9	0	N'E	3	0	57	85	9	4000	StCu	10	-	10	*
Falmouth	1021.6	-2	N	5	c-	58	85	8	4000	StCu	8	-	8	*
Plymouth	1022.9	-2	N	5	b	58	75	9	4000	StCu	3	-	3	*
Portland Bill	1023.2	-2	WNW	6	bc	59	75	8	-	-	0	aCu	4	*
Calshot	1026.9	-3	NNW	4	c+	57	75	8	4000	StCu	8	-	8	*
Dungeness	1023.3	-4	NNW	4	bc	59	65	8	-	-	0	CiCu	5	*
Jersey	1027.8	-1	NE	3	0	58	85	8	4000	StCu	9	-	9	*

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	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1016.0	+7	NW	2	b-	43	85	8	-	-	0	aSt	3	2
Stornoway	1020.7	+3	NW	3	odd	49	97	6	450	St	10	-	10	2
Wick	1017.7	+4	NW	4	c+	47	85	8	4000	StCu	7	-	7	3
Castlebay	1023.7	0	WNW	5	0	54	97	5	2500	St	10	-	10	5
Nairn	1019.8	*	W	1	0	52	85	8	1500	StCu	9	aSt	9	*
Aberdeen	1018.6	+5	NW	4	b-	49	75	8	5750	StCu	2	-	2	4
Malin Head	1025.2	+1	?	4	0	55	97	8	5750	StCu	9	aCu	9	5
Renfrew	1022.3	+2	WSW	2	0	55	85	8	1500	StCu	10	-	10	*
Inchkeith	1019.4	+5	WNW	5	c-	55	85	9	-	StCu	3	aCu	8	*
Eskdalemuir	1021.3	+3	NW'N	5	0	54	85	8	2500	StCu	10	-	10	*
Tynemouth	1015.1	+2	WNW	4	c	56	85	6	4000	St	3	aSt	8	3
Blacksod Point	1030.6	-1	W'S	3	0	55	85	7	1500	StCu	10	-	10	1
Donaghadee	1026.1	-2	WNW	4	bc+	55	75	9	-	-	0	aCu	5	4
Birr Castle	1031.1	*	W	1	0	54	85	7	4000	StCu	9	-	9	*
Baldonnell	1030.1	0	W	3	c+	52	85	8	4000	StCu	8	-	8	*
Holyhead	1027.9	+1	W'N	6	bc-	56	85	8	4000	StCu	3	ACu	4	6
Liverpool (Bidston)	1024.8	+1	W	8	bv	56	75	9	-	-	0	Ci	3	7
Chester (Shotwick)														
Howden	1020.7	+1	NW'W	5	0	55	85	7	4000	StCu	9	-	9	*
Spurn Head	1018.9	0	WNW	6	b	55	85	7	1500	St	1	-	1	5
Nottingham	1022.9	*	WNW	5	b-	56	75	7	-	-	0	-	0	*
Cranwell	1022.3	0	WNW	5	0	53	85	6	-	-	0	CiSt	9	*
Gorleston	1019.4	0	NW'W	4	bc-	56	75	7	-	-	0	CiCu	4	1
Fulham	1020.5	0	W	4	bc	55	75	7	-	-	0	Ci	5	*
Felixstowe	1021.0	+1	NW'W	5	bc-	56	75	8	-	-	0	aSt	4	3
Valencia (Cahirciveen)	1033.5	-1	NNW	2	0	55	75	9	2500	StCu	10	-	10	0
Roches Point	1032.8	-1	NW	3	0	56	75	8	4000	StCu	10	-	10	0
Pembroke (St. Ann's H.)	1030.1	-1	NW	3	b-	56	85	9	2500	St	1	-	1	2
Ross-on-Wye	1026.5	+1	WNW	3	bv	53	75	9	-	-	0	Ci	2	*
Benson	1025.4	+2	NW	2	0	51	85	7	-	StCu	10	-	10	*
S. Farnborough	1024.9	0	WNW	4	0	53	85	8	5750	StCu	3	Ci	9	*
Loudon (Kew Obsy.)	1024.1	+1	WNW	2	0	56	65	8	-	-	0	CiSt	9	*
Croydon	1024.0	+1	NW	5	0	56	65	7	4000	StCu	2	CiSt	10	*
Clacton-on-Sea	1021.3	0	WNW	4	c	56	75	8	2500	Cu	2	aSt	7	1
Shoeburyness	1022.4	0	NNW	2	b	56	65	7	4000	StCu	1	-	1	*
Grain	1022.5	+1	WNW	5	0	55	65	8	-	-	0	ASt	9	3
Lympne	1022.9	+1	W	4	0	54	65	7	2500	StCu	6	aSt	10	*
Scilly (St. Mary's)	1031.7	-1	N'W	4	0	55	75	8	4000	StCu	10	-	10	3
Falmouth	1030.3	-4	NNW	5	c+	55	75	8	-	Cu	7	-	7	*
Plymouth	1029.3	+1	N	3	b	55	75	8	4000	StCu	2	-	2	*
Portland Bill	1026.6	-2	NNW	7	b.	56	85	8	-	-	0	-	0	6
Calshot	1026.1	-1	NW	4	c+	54	75	8	-	-	0	Ci	8	3
Dungeness	1023.2	0	NW	4	b.	53	85	8	-	-	0	aCu	3	3
Jersey	1027.7	0	NE	3	0	57	75	8	4000	StCu	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. 30th								YESTERDAY.		TO-DAY.
Kew } 24 hours ended 0700	cw.com	oo	o.c.b.bd	*	*	41	tr.	-	2.8	*	*
Croydon } 24 hours ended 0700	bc.com	c.com	o.bc.im	*	*	41	tr.	-	3.5	*	*
Greenwich (Royal Obsy.)	c	c	c.bc	60	47	42	-	-	2.0	61	85
City (Bunhill Row)	*	*	*	*	*	*	*	*		*	
Westminster (St. James' Pk.)	*	*	*								
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	2.8	*	-
Camden Sq. (Brit. Rainfall)	0	bc	*	61	48	45	-	-	*	63	83
Kensington Palace	bc	c.o	*	61	2	41	-	-	*	65(18h)	85
Hampstead Observatory	*	*	*	60	48	39	-	-	3.0	*	86

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.

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

South Kensington

Max.	Time.	Min.	Time

Kew Observatory

Max.	Time.	Min.	Time.

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total ..... joules

Average Rate ..... Milliwatts.

Maximum Rate ..... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

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

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

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

30th & 31st OCTOBER 1921.

STATIONS.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	6.46	11.31	4.25
	6.48	11.31	4.23
Greenwich	6.51	11.44	4.31
	6.53	11.44	4.35
Wick	7.25	11.56	4.27
	7.28	11.56	4.24
Valencia	7.33	12.23	5.14
	7.33	12.25	5.15

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, or fine rain. f fog.
h hail. KQ line squall. l lightening.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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"; b(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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1– 3	0·3– 1·5
2	4– 7	1·6– 3·3
3	8–12	3·4– 5·4
4	13–18	5·5– 7·9
5	19–24	8·0–10·7
6	25–31	10·8–13·8
7	32–38	13·9–17·1
8	39–46	17·2–20·7
9	47–54	20·8–24·4
10	55–63	24·5–28·4
11	64–75	28·5–33·5
12	Above 75	33·6 or above

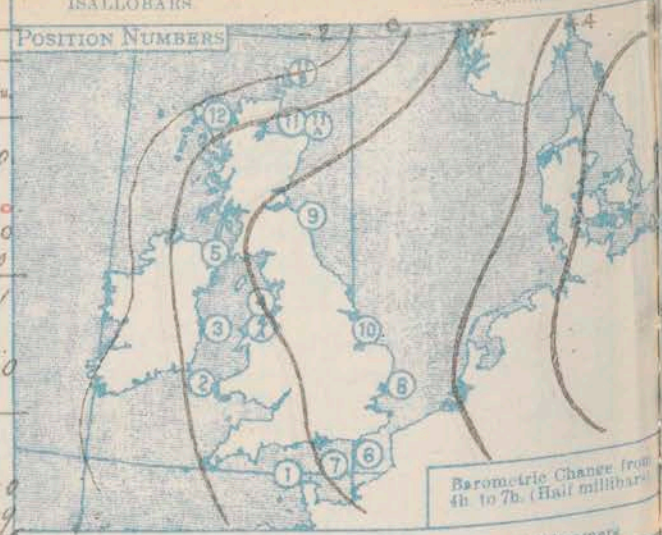
* Information for these columns not usually received. † The barometric change is expressed in half millibars. ‡ For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 29th	13h.-18h. 29th	18h.-24h. 29th	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. Hours.
Lerwick	p	b or bc	p	fm p	52	46	*	0.1	1	L0800	L2100	*
Stornoway	r or d	r or d	f d	o c	53	49	*	2	0.3	-	-	0.0
Wick	c	c	o	o o	53	45	*	0.3	-	L0800	-	*
Castlebay	o	o	o c b	b o	55	53	*	-	-	*	-	0.0
Nairn		c	c		57	50	*	0.3	0.2	1230	-	0.0
Aberdeen	o q pr.	o q c b q	b. bc		58	48	44	0.1	-	9.0	-	0.0
Malin Head	o q	o q	b. bc	b. bc	56	53	*	-	-	-	-	0.1
Renfrew	o o	o c o	o c b. o i d	o i d. o	57	52	48	-	TRACE	-	2200	*
Inchkeith	o o	o o	b. bc	b. bc	56	52	49	-	-	-	-	*
Eskdalemuir	c	o o	b. bc		55	49	45	-	-	-	-	0.0
Tynemouth	o o	im q	im. o	im. b bc	59	50	*	-	-	-	-	*
Blacksod Point	o o	c	c	c	59	52	*	-	-	-	-	*
Donaghadee	b o v o	b c v q	b c q	b c v	60	49	*	-	-	-	-	*
Birr Castle	c	c	c	o. c	55	39	31	-	-	-	-	0.0
Baldonnell	o o	c b c. c	b. bc	b. bc. o	56	43	39	-	-	-	-	0.9
Holyhead	o bc	c	b. bc	b w	59	53	48	-	-	-	-	4.5
Liverpool (Bidston)	b or bc	b or bc	b. bc		58	52	40	-	-	-	-	3.1
Chester (Shotwick)												*
Howden	o o	o o	c	b. bc	60	42	33	-	-	-	-	1.9
Spurn Head	c	b or bc	p	o o	58	51	*	-	0.1	-	2400	1.4
Nottingham	c	c	b. bc		59	51	44	-	-	-	-	0.6
Cranwell	o o	o im	c im	b. bc	57	45	39	-	-	-	-	0.7
Gorleston	c b c c q	c	o q. i d	r. d	59	50	45	-	TRACE	-	2400	1.0
Pulham	c	c	o o	p	58	49	45	-	TRACE	-	1:30	1.2
Felixstowe	c	c	c		60	52	51	-	-	-	-	2.7
Valencia (Cahirciveen)	o c o	c o	o	o	58	51	49	-	-	-	-	0.0
Roches Point	b or bc	o o	o o		58	46	*	-	0.2	-	-	*
Pembroke (St. Ann's H.)	c	c	b. bc	b. bc	58	52	*	-	-	-	-	3.5
Ross-on-Wye	o c c v o v	c b c o b c	b v	b v	59	43	34	-	-	-	-	2.6
Benson	c	c	b. bc		60	39	32	-	-	-	-	*
S. Farnborough	o o	o o	o o		60	41	38	-	-	-	-	3.8
London (Kew Obsy.)	c w o m u c	b c o o	o. c. b. b	b. b m.	60	44	41	trace	-	-	-	2.8
Croydon	b c o m c	c o i m	o. b c i m	o o i m	59	44	41	-	-	-	-	3.5
Clacton-on-Sea		b c c	c. bc	bc. c	60	51	48	-	-	-	-	5.0
Shoeburyness	b or bc	b or bc	b. bc		60	48	45	-	-	-	-	5.1
Grain	o o	o o	b. bc		61	47	39	-	-	-	-	4.2
Lympne	o c b c c m	o o	o i m. c b c	c	63	49	46	-	-	-	-	6.3
Scilly (St. Mary's)	c	o o	o o	b. bc	58	53	*	-	-	-	-	2.1
Falmouth	b b c. c	c b c c q	c q	c	59	46	39	-	-	-	-	8.0
Plymouth	b or bc	b or bc	b. bc	b. bc	58	40	35	-	-	-	-	8.8
Portland Bill	b or bc	b or bc	b. bc	b. bc	59	50	*	-	-	-	-	*
Calshot	c	c	b. bc	b. bc	59	45	40	-	-	-	-	6.2
Dungeness	b or bc	c	b. bc	c	60	48	*	-	-	-	-	*
Jersey	b o	o c o	o. c. o	o. c. o	60	52	*	-	-	-	-	5.0

ISALLOBARS

October 30th 1921.



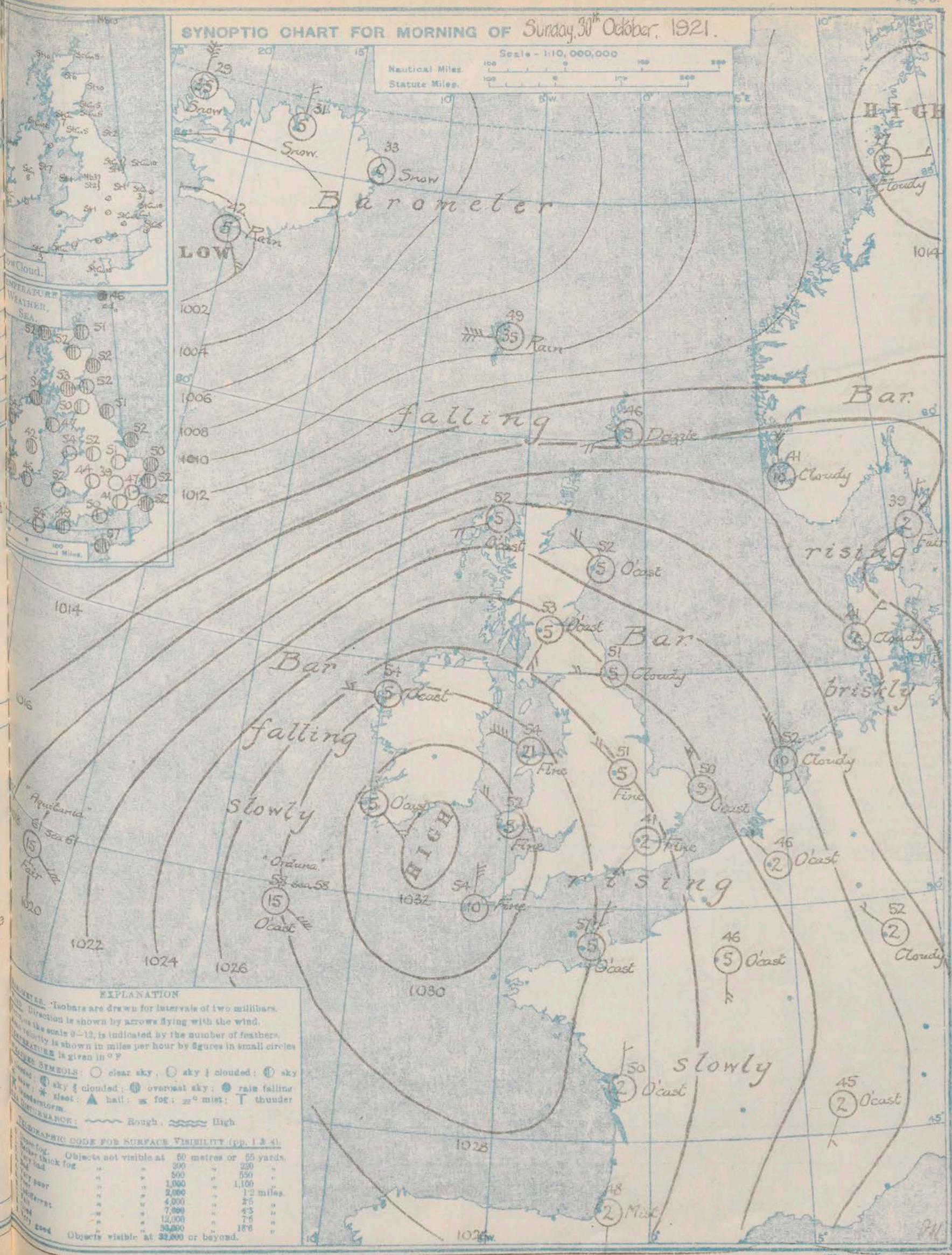
Temperature reported from Cross Channel and Coastal Steamers

Position Number	3	6	7
Date	29th	30th	30th
Time G.M.T.	1045	0330	0230
Sea ° F	57	59	60
Air ° F	56	56	56

GENERAL INFERENCE.

Another depression has appeared off the South of Iceland and will probably move Eastward or Southeastward causing rain in the Northern parts of the British Isles. The anticyclone off the South of Ireland will continue to maintain fine weather in the South.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday October 30th 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light North-West wind; fair generally; visibility mainly fair 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	Wind Westerly, moderate, freshening later; cloudy to dull, perhaps some showers; visibility fair; moderate temperature.	Continuing fair in the South, some rain in the North.
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind South-West to West, fresh or strong; dull, some rain; visibility fair; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland	As for 7 - 13.	
19. S.E. Ireland 20. S.W. Ireland	Light Westerly wind; fair to cloudy; visibility mainly fair to good; moderate temperature.	


SYNOPTIC CHART FOR MORNING OF Sunday, 30th October, 1921.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Low Cloud.
Temperature Weather, Sea.
Barometer
LOW
HIGH
Bar. falling
Bar. rising
Bar. falling slowly
Bar. rising briskly
Bar. rising slowly
Snow
Rain
Drizzle
Cloudy
Fair
O'cast
Fine
Mist
"Aquitania"
"Orduna"
1002
1004
1006
1008
1010
1012
1014
1016
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.
Wind 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.
METEOROGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
1. Dense fog. Objects not visible at 50 metres or 55 yards.
2. Rather thick fog " " 300 " 330 "
3. Very bad " " 500 " 550 "
4. Very poor " " 1,000 " 1,100 "
5. Poor " " 2,000 " 1·2 miles.
6. Moderate " " 4,000 " 2·5 "
7. Fair " " 7,000 " 4·3 "
8. Good " " 12,000 " 7·6 "
9. Very good " " 30,000 " 18·6 "
Objects visible at 32,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. *Sunday* 30th *October* 1921. No. *303*.

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	1014.5	+2	–	0	o/r₀	42	92	4	*	Nb	10	–	10	·
Stornoway	1022.4	0	W	3	d₀d₀	·	·	4	·	·	·	·	·	·
Wick	1019.3	+1	WSW	2	o+	47	92	8	800	St	10	–	10	·
Castlebay	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Nairn	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Aberdeen	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Malin Head	1026.7	0	W	3	b	54	94	4	–	–	0	–	0	·
Renfrew	1024.0	+2	SW	3	od₀	54	92	8	2500	St Cu	8	A St	10	·
Inchkeith	1021.3	+2	WNW	4	bv	53	85	9	*	St Cu	2	–	2	·
Eskdalemuir														·
Tynemouth	1022.8	+3	NNW	1	bc-	51	94	4	4000	Cu	6	–	6	·
Blacksod Point	1029.4	-2	NNW	1	o	55	92	4	1500	St	10	–	10	·
Donaghadee	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Birr Castle	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Baldonnell	1030.4	0	W	3	b	47	92	8	–	–	0	–	0	·
Holyhead	1027.8	-1	W'N	6	b-	*	*	8	–	–	0	–	0	·
Liverpool (Bidston)	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Chester (Shotwick)	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Howden	1023.0	+2	NW	4	bc+	53	85	4	4000	St	6	–	6	·
Spurn Head	1022.6	+1	N	4	o/r	50	92	9	450	St	10	–	10	·
Nottingham	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Cranwell	1024.2	+2	NW	4	bc-	51	92	6	4000	St Cu	3	A Cu	5	·
Gorleston	1021.2	+2	N	4	od₀	52	94	8	4000	Nb	10	–	10	·
Pulham	1022.3	+2	NW'W	3	o	53	92	6	4000	St Cu	10	–	10	·
Felixstowe														·
Valencia (Cahirciveen)	1032.8	-1	–	0	b	53	75	5	·	·	·	·	·	·
Roches Point	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Pembroke (St. Ann's H.)	1030.3	0	NW	3	b	53	92	9	–	–	0	–	0	·
Ross-on-Wye	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Benson	·	·	·	·	·	·	·	·	·	·	·	·	·	·
S. Farnborough	·	·	·	·	·	·	·	·	·	·	·	·	·	·
London (Kew Obsy.)	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Croydon	1025.2	+2	W	2	bc	49	85	4	–	–	0	Ci	4	·
Clacton-on-Sea	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Shoeburyness	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Grain	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Lympne	1024.3	+2	WNW	4	b-	49	92	4	4000	St Cu	3	A	3	·
Scilly (St. Mary's)	1031.4	0	NNE	3	c-	55	95	9	4000	St Cu	4	–	4	·
Falmouth	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Plymouth	1029.4	-1	–	0	b	44	85	8	–	–	0	–	0	·
Portland Bill	1026.9	-1	NW	6	b	53	85	8	–	–	0	–	0	·
Calshot	1026.6	0	NW	4	b	51	85	8	–	–	0	Ci	3	·
Dungeness	1023.4	+1	NW	3	b	48	85	8	–	–	0	–	0	·
Jersey 7h / Guernsey 1h	1028.4	0	NNW	3	b-	55	75	8	–	–	0	Ci St	3	·

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	1015.4	-3	WSW	2	od₀d₀	46	94	5	*	Nb	10	–	10	/
Stornoway	1021.2	0	WSW	2	o	52	92	6	800	St	10	–	10	·
Wick	1018.5	0	W	2	c+	51	92	8	4000	St Cu	8	–	8	0
Castlebay	1024.7	0	W	4	o-	54	97	7	5750	St.	10	–	10	4
Nairn	1021.6	·	W	1	bc-	52	85	8	1500	St Cu	6	–	6	0
Aberdeen	1021.4	+1	NW'N	2	o+	52	92	8	2500	St	10	–	~~10~~	[illegible]
Malin Head	1026.2	0	W	3	o	54	94	8	4000	St Cu	10	–	10	/
Renfrew	1024.7	+1	SSW	2	o	53	85	8	4000	St Cu	4	A St	10	·
Inchkeith	1023.5	+3	WNW	4	bc	52	92	9	*	St Cu	5	–	5	4
Eskdalemuir	1025.6	+2	WNW	5	bc	50	85	8	2500	St Cu	5	–	5	·
Tynemouth	1023.9	+2	W	2	c-	51	94	4	4000	St	2	Ci St	8	4
Blacksod Point	1028.5	-3	W	2	o	54	85	4	1500	St	10	–	10	0
Donaghadee	1026.7	+2	WSW	1	bc+	44	92	8	–	–	0	A Cu	4	/
Birr Castle	1030.4	·	W	1	c-	42	94	4	2500	St Cu	8	–	8	·
Baldonnell	1030.2	0	WSW	2	o	45	92	8	1500	St	4	A St	9	·
Holyhead	1028.4	+1	WNW	5	b	54	92	8	1500	St	1	Ci	2	5
Liverpool (Bidston)	1027.6	+2	WNW	1	bc+	52	85	4	1500	Nb	5	–	5	/
Chester (Shotwick)													·	·
Howden	1025.1	+3	W'N	3	b+	44	94	4	4000	St Cu	3	–	3	·
Spurn Head	1024.9	+2	WSW	1	o	52	85	6	4000	St Cu	10	–	10	3
Nottingham	1026.3	·	NW	2	b	51	92	6	–	–	0	A Cu	1	·
Cranwell	1026.3	+2	WNW	3	b	47	94	4	4000	St	1	–	1	·
Gorleston	1024.6	+2	NNW	3	o/r	50	94	4	–	–	0	A St	10	0
Pulham	1025.5	+3	NW	1	o/r	50	94	8	4000	St Cu	3	–	3	·
Felixstowe	1026.0	+3	NW'N	2	o	52	92	4	2500	St Cu	10	–	10	/
Valencia (Cahirciveen)	1030.1	-1	SE	2	o	52	75	9	5450	St Cu	10	–	10	/
Roches Point	1032.1	-1	NNE	1	b-	46	94	4	–	–	0	Ci	1	0
Pembroke (St. Ann's H.)	1030.3	0	NW	2	b	52	92	8	–	–	0	–	0	2
Ross-on-Wye	1028.2	+1	W'S	1	b	44	92	9	1500	St	1	Ci	2	·
Benson	1027.9	+2	–	0	b	39	94	4	*	=	0	–	0	·
S. Farnborough	1027.4	+2	W'N	2	b	41	94	4	–	–	0	A Cu	1	·
London (Kew Obsy.)	1027.2	+4	SW	1	b	47	92	4	4000	St Cu	2	–	3	·
Croydon	1027.2	+2	W	2	c+	47	92	8	4000	St Cu	8	–	8	·
Clacton-on-Sea	1026.2	+3	NW	3	c+	52	85	4	2600	Cu	4	–	4	0
Shoeburyness	1025.4	+2	NNE	1	b	49	85	4	4000	Cu	1	–	1	·
Grain	1026.4	+4	–	0	b+	48	92	4	4250	St Cu	2	Ci	3	0
Lympne	1026.2	+2	WNW	4	c	51	85	6	2500	St Cu	8	–	8	·
Scilly (St. Mary's)	1030.4	0	NNE	3	b	54	85	9	4000	St Cu	3	–	3	/
Falmouth	1030.4	0	N	1	c	49	92	8	2500	St Cu	4	–	4	*
Plymouth	1029.8	+1	–	0	b	44	94	8	–	–	0	–	0	·
Portland Bill	1028.2	+2	NW	6	b+	50	85	8	–	–	0	–	0	5
Calshot	1028.3	+2	NW	3	b	45	92	8	–	–	0	–	0	0
Dungeness	1026.0	+2	NNW	3	o	52	85	8	–	–	0	A Cu	9	3
Jersey 7h / Guernsey 1h	1028.[illegible]	0	NE	2	o	54	75	8	4000	St Cu	10	–	10	/

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR *29th Oct*

Stations	Weather Forenoon	Weather Afternoon	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall† Night 17h.-9h. 28th-29th mm.	Rainfall† Day 9h.-17h. 29th mm.	Sunshine Sunrise to 17h. 29th hr.	Sunshine Sunrise to Sunset 28th hr.
Banff	oqr	cq	56	50	-	1	1.2	0.0
Montrose	c	c	60	53	-	-	0.0	0.8
Llandudno	c	bc	58	52	-	-	3.7	6.3
Colwyn Bay	b	b	58	51	-	-	4.4	6.2
Rhyl	cbc	c	58	52	-	-	2.8	7.3
Southport	cobc	bc.c	57	53	·	·	3.0	4.5
Blackpool	c	bc	57	54	·	·	2.6	0.0
Harrogate	bc.c	c.bc	59	54	-	·	1.8	6.2
Skegness	b.bc	bc.b	60	44	·	·	2.2	5.5
Aberystwyth	o.c.b	bc.c	58	45	-	-	4.5	4.5
Bath	mbc.b	bc.b	59	37	-	-	5.8	3.8
Leamington Spa	c.b.bc	bc	60	42	-	-	3.0	1.1
Lowestoft	c.bc.c	c.o	59	42	-	-	0.8	5.1
Felixstowe	bc	bc	60	45	-	-	3.7	5.4
Southend	b	bc	62	44	·	·	4.4	4.9
Paignton	u.b.c	bc	61	40	-	-	7.5	7.6
Ilfracombe	o	o	59	54	-	-	0.6	7.2
Bude	oc	o	58	54	-	-	0.6	8.5
Penzance	bc	bc	60	48	-	·	7.0	8.0
Torquay	b	b	60	45	-	-	7.4	0.0
Weymouth								
Bournemouth	b	b	59	43	-	·	9.1	3.6
Portsmouth (S'thsea)	b	b	59	44	·	-	6.1	0.8
Worthing	oc	bc	58	39	-	-	5.0	3.9
Brighton	cbc	c.bc.c	60	45	-	·	5.2	3.3
Eastbourne	c	bc	60	44	·	-	5.8	4.4
Hastings	w.b.bc.c	cbc.c	59	41	trace	-	6.1	5.5
Folkestone	b	bc.c	58	44	·	·	5.2	5.5
Tunbridge Wells	co	bcb	59	41	·	·	2.1	3.1
Ramsgate	bco	bc	57	43	·	·	4.5	4.8
Margate	bc	c	57	49	·	·	1.5	2.0
Deal	bc	bc	58	44	-		5.4	5.6

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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 21893 MONDAY, 31st OCTOBER 1921.

Observations at 1300 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	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1014.8	-2	W	4	c+	52	92	6	-	St.Cu	8	-	8	*
Stornoway	1020.8	0	WSW	5	o	52	85	7	800	St	10	-	10	*
Wick	1019.1	+1	SW	2	c+	56	85	8	-	-	0	A.Cu	7	*
Castlebay	1024.3	0	WSW	4	mb+	55	92	6	5750	St	7	-	7	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1022.1	0	W'S	2	o	56	75	8	4000	St.Cu	10	-	10	*
Malin Head	1026.3 (~~1026.2~~)	0	WNW	2	o=	55	92	8	4000	St.Cu	9	-	9	*
Renfrew	1025.7	0	SW	3	o	56	75	8	4000	St.Cu	10	-	10	*
Inchkeith	1024.5	+1	W	4	om	54	85	5	-	St.Cu	10	-	10	*
Eskdalemuir	1026.3	0	WNW	3	bc-	54	75	8	2500	St	6	-	6	*
Tynemouth	1024.5	+1	WNW	3	bc	59	75	7	4000	Cu	2	Ci.St	4	*
Blacksod Point	1028.3	-1	SW	3	o	55	75	8	1500	St	10	-	10	*
Donaghadee	1027.8	+1	W	1	o+	55	85	8	-	-	0	A.St	10	*
Birr Castle	1030.0	*	W	1	c-	54	85	8	4000	St.Cu	8	-	8	*
Baldonnell	1029.9	-1	SW'W	2	ov	53	85	9	2500	St.Cu	10	-	10	*
Holyhead	1029.2	0	WNW	3	b	58	75	8	4000	Cu	1	A.Cu	2	*
Liverpool (Bidston)	1028.2	0	WNW	2	bv	55	85	9	2500	Cu	2	-	2	*
Chester (Shotwick)														*
Howden	1026.3	0	WNW	2	b+	60	75	7	1500	St.Cu	3	-	3	*
Spurn Head	1026.1	+2	WNW	2	b	57	85	6	1500	St	1	-	1	*
Nottingham	1017.0	0	NW	3	b	60	75	6	4000	Cu	1	-	1	*
Cranwell	1027.2	0	NNW	3	bc+	60	75	9	4000	Cu	6	-	6	*
Gorleston	1026.5	+1	NW'W	3	c-	57	85	7	7250	St.Cu	8	-	8	*
Pulham	1016.5	0	NW	1	o	56	85	7	2500	St.Cu	10	-	10	*
Felixstowe	1027.3	+2	NW	2	c-	57	75	8	2500	St.Cu	8	-	8	*
Valencia (Cahirciveen)	1030.0	-1	SSE	3	o	54	75	9	4000	St.Cu	10	-	10	*
Roches Point	1031.3	0	SSE	1	b+	57	75	8	4000	Cu	2	-	2	*
Pembroke (St. Ann's H.)	1030.5	0	N	1	b	58	85	8	4000	Cu	1	-	1	*
Ross-on-Wye	1028.3	0	NW'W	2	bv	58	65	9	-	-	0	-	0	*
Benson	1027.1	0	NNW	1	bc+	58	75	7	-	Cu	5	-	5	*
S. Farnborough	1028.0	0	N'W	2	bc+	61	75	8	5750	Cu	5	Ci.St	6	*
London (Kew Obsy.)	1028.1	-1	NNW	1	b	58	75	6	4000	Cu	3	-	3	*
Croydon	1027.7	-1	WNW	2	b	60	65	6	4000	Cu	3	-	3	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1027.5	0	N'E	1	bc-	60	65	7	4000	Cu	4	-	4	*
Grain	1027.7	0	WNW	2	bc-	59	65	8	4000	Cu	6	-	6	*
Lympne	1027.4	+1	N'W	4	bc	59	65	8	2500	Cu	5	-	5	*
Scilly (St. Mary's)	1030.2	0	-	0	b-	62	65	8	4000	St.Cu	2	-	2	*
Falmouth	1030.1	0	NNE	1	b	62	65	9	-	Cu	1	-	1	*
Plymouth	1029.4	-1	WSW	1	b+	62	65	8	4000	Cu	2	-	2	*
Portland Bill	1028.7	+1	N	2	b-	58	85	8	-	-	0	Ci.Cu	1	*
Calshot	1018.5	0	NNW	1	bc+	59	75	8	4000	Cu	4	-	4	*
Dungeness	1028.7	0	NE	4	bc-	60	75	8	4000	Cu	4	-	4	*
Jersey	1029.1	0	N	2	o	59	75	8	4000	St.Cu	10	-	10	*

Observations at 1800 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	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1013.1	-1	W	4	o/d	51	97	6	-	Nb	10	-	10	3
Stornoway	1019.3	-1	WSW	5	o	54	85	6	450	St	10	-	10	3
Wick	1018.7	-1	SW	3	o	53	92	8	5750	St.Cu	10	-	10	0
Castlebay	1022.5	-1	WSW	5	o	54	85	6	5750	St	10	-	10	4
Nairn	1020.9	*	-	0	c	52	85	8	1500	St	8	-	5	*
Aberdeen	1021.9	0	SW'S	3	c	54	85	8	2500	St.Cu	8	-	8	0
Malin Head	1025.1	-2	SSW	3	o	52	97	8	4000	St.Cu	10	-	10	4
Renfrew	1025.2	0	WSW	2	o-	52	85	8	2500	St	9	-	9	*
Inchkeith	1023.7	0	W	4	o+	53	85	8	-	St.Cu	9	-	9	*
Eskdalemuir	1026.1	0	W'S	3	od_o	51	85	8	2500	St.Cu	10	-	10	*
Tynemouth	1025.1	+1	W	2	c	55	85	5	4000	St	7	-	7	4
Blacksod Point	1026.1	-3	SSW	4	o	54	85	7	1500	St	10	-	10	3
Donaghadee	1027.1	-1	W	2	c-	53	85	8	5750	St.Cu	10	-	10	0
Birr Castle	1028.5	*	SW	1	o+	52	85	4	1500	St.Cu	9	-	9	*
Baldonnell	1029.3	-1	W'S	1	o	50	85	8	4000	St.Cu	10	-	10	*
Holyhead	1028.9	0	W	4	b	54	85	8	-	-	0	A.Cu	1	3
Liverpool (Bidston)	1028.5	+1	W'N	3	c+	53	92	7	2500	St.Cu	8	-	8	4
Chester (Shotwick)														*
Howden	1027.5	+2	WNW	3	b-	50	85	8	2500	St	1	-	1	*
Spurn Head	1027.4	+1	WNW	2	b	54	97	6	1500	St	1	-	1	1
Nottingham	1028.2	0	W	2	b-	52	85	5	-	-	0	-	0	*
Cranwell	1028.1	+1	WNW	3	c-	53	92	7	4000	Cu	8	-	8	*
Gorleston	1027.0	+1	W	1	b-	53	85	7	-	-	0	-	0	0
Pulham	1027.7	0	-	0	b	46	97	6	4000	St.Cu	3	-	3	*
Felixstowe	1028.1	+1	-	0	o	56	85	8	2500	St.Cu	10	-	10	0
Valencia (Cahirciveen)	1028.5	-3	SSE	3	o	53	75	9	4000	St.Cu	10	-	10	0
Roches Point	1030.3	-1	-	0	o	54	85	8	2500	St.Cu	10	-	10	0
Pembroke (St. Ann's H.)	1030.4	0	-	0	b	53	92	8	-	-	0	-	0	1
Ross-on-Wye	1026.5	+1	W	1	b+	52	85	8	2500	St.Cu	1	-	1	*
Benson	1029.1	+2	-	0	c+	47	92	7	-	St.Cu	8	-	8	*
S. Farnborough	1029.0	+2	-	0	c-	54	85	7	4000	St.Cu	5	Ci	7	*
London (Kew Obsy.)	1029.2	+1	NW	1	o	57	75	6	4000	St	10	-	10	*
Croydon	1029.1	+2	NW	1	o	56	75	6	2500	St.Cu	10	-	10	*
Clacton-on-Sea	1028.4	+2	-	0	b	55	85	5	2500	Cu	3	-	3	0
Shoeburyness	1028.6	+1	-	0	c+	55	75	7	4000	St.Cu	8	-	8	*
Grain	1028.6	+1	-	0	c	56	75	7	4000	St.Cu	7	-	7	0
Lympne	1029.2	+3	NW	1	o	55	85	8	1500	St	10	-	10	*
Scilly (St. Mary's)	1030.1	0	-	0	b	53	85	9	-	-	0	-	0	0
Falmouth	1030.0	+1	SSE	1	b	50	92	7	-	-	0	-	0	*
Plymouth	1029.8	+1	-	0	b-	53	85	8	4000	St.Cu	1	-	1	0
Portland Bill	1028.7	0	N	1	b	60	85	8	-	-	0	-	0	0
Calshot	1029.3	+1	-	0	c+	55	85	8	4000	St.Cu	8	-	8	0
Dungeness	1028.9	+2	SE	1	o+	56	85	8	800	St	9	-	9	3
Jersey	1028.9	0	N	2	b	54	75	8	-	-	0	-	0	0

London Observations. (Weather, Temperature, Rainfall: 24 Hours ended 0900 G.M.T. 31st Oct.; 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 (24 hours ended 0700)	bc b, c bc b m	bz o	o FF W	*	*	31	-	TR	4.8	*	*
Croydon (24 hours ended 0700)	c bc b m	b bc pm	b m w, bc	*	*	39	-	-	5.4	*	*
Greenwich (Royal Obsy.)	cz	cz b	cz b o m	58	39	29	-	-	1.1	79	84
City (Bunhill Row)	*	*	*	*	*	*	*	*	1.1	*	*
Westminster (St. James' Pk.)	*	*	*	62	39	32	-	-	3.0	71	96
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	4.3	*	*
Camden Sq. (Brit. Rainfall)	*	*	*	62	40	38	-	-	*	*	100
Kensington Palace	bc.o	o	*	62	41	30	-	-	*	73 (18h)	98
Hampstead Observatory	*	*	*	61	43	33	-	trace	6.0	*	97

Atmospheric Pollution. Lbs. of Solid impurity per million cubic yards. 24 Hr. ended 1500 G.M.T. 31st

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

Solar Radiation. Vertical component per square centimetre. During yesterday.

South Kensington.
Total .... joules
Average Rate .... Milliwatts.
Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

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

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	12 30	10 24	84
δ Ursae Minoris	12 30	10 19	83

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 31st Oct. & 1st Nov. 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.48 6.50	11.34 11.34	4.26 4.24
Greenwich	6.53 6.55	11.44 11.44	4.35 4.33
Wick	7.28 7.30	11.56 11.56	4.24 4.22
Valencia	7.35 7.37	12.25 12.25	5.15 5.13

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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
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.

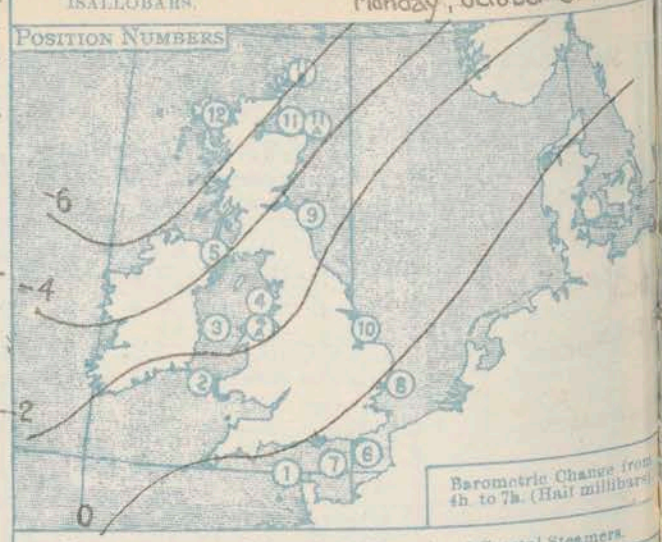
Beaufort No.	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1-3	0·3-1·5
2	4-7	1·6-3·3
3	8-12	3·4-5·4
4	13-18	5·5-7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

* 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. 30th	Weather. 13h.-18h. 30th	Weather. 18h. 30th to 1h. 31st	Weather. 1h.-7h. 31st	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	r or d	r. r.	p	53	50	*	1	1	<0800	1.30	*
Stornoway	oo	oo	p	oo	55	52	*	–	0.2	–	–	0.0
Wick	c	oo	oo	oo	54	51	*	–	–	–	–	*
Castlebay	ocm	cmo	oo		55	53	*	–	–	–	–	0.1
Nairn		oo	oo		54	50	*	–	–	–	–	0.0
Aberdeen	oo	c	oo		54	49	45	–	–	–	–	0.1
Malin Head	oo	id	oo	oo	56	50	*	0.2	–	1330	–	0.5
Renfrew	oo	ood	oo	oo	57	51	50	trace	trace	–	–	*
Inchkeith	oo	c	oo	oo	55	51	49	–	–	–	–	*
Eskdalemuir	c	oo	oo		54	44	45	–	–	–	–	2.2
Tynemouth	b or bc	c m	m oo	m oo	60	51	*	–	–	–	–	*
Blacksod Point	c	oo	oo	oo	55	54	*	–	–	–	–	*
Donaghadee	oo	c m	cq	c m	55	47	*	–	–	–	–	*
Birr Castle	od.u	od.u	oo	co	54	48	47	–	–	–	–	0.0
Baldonnell	oo	oo	c	oo	53	43	36	–	–	–	–	0.0
Holyhead	b or bc	b or bc	c	oo	61	51	42	–	–	–	–	8.5
Liverpool (Bidston)	b or bc	b or bc	oo		54	48	39	–	–	–	–	4.2
Chester (Shotwick)				om								*
Howden	b or bc	b or bc	b. bc	oo	62	38	34	–	–	–	–	7.1
Spurn Head	b or bc	b or bc	b. bc	oo	57	48	*	–	–	–	–	2.1
Nottingham	b or bc	b or bc	f f		61	42	34	–	–	–	–	7.4
Cranwell	b or bc	c	b. bc rm	m. b. bc	60	41	31	–	–	–	–	5.1
Gorleston	c	c z b z	b. bc	c	58	45	42	–	–	–	–	0.0
Pulham	c	oo	c	f. m	57	40	32	–	–	–	–	0.3
Felixstowe	c	c	b. bc		60	46	40	–	–	–	–	2.7
Valencia (Cahirciveen)	o	oo	o.c.o	o	55	53	50	–	–	–	–	0.0
Roches Point	b or bc	oo	b. bc		58	55	*	–	–	–	–	*
Pembroke (St. Ann's H.)	b or bc	b or bc	b. bc w	oo	60	48	*	–	–	–	–	8.8
Ross-on-Wye	bc m bx	bv	b. bm w.	bm w. gh	62	34	32	–	0.1	–	–	7.8
Benson	b or bc	c	f. m		59	32	29	–	–	–	–	*
S. Farnborough	b or bc	c	f. m		62	32		–	–	–	–	5.0
London (Kew Obsy.)	bu bc m bz	b z o	o F F w		60	39	31	–	TRACE	–	–	4.8
Croydon	c b c b m	b b c o f w m	b. bm w	b. bc o m w	60	43	39	–	–	–	–	5.4
Clacton-on-Sea	c	b c z	b c. c. g	o m b o f	60	45	40	–	–	–	–	4.7
Shoeburyness	b or bc	c	F		61	34	29	–	–	–	–	6.1
Grain	b or bc	c	f		61	36	30	–	TRACE	–	–	5.0
Lympne	b or bc	o c b c c o	o c. bc. b	b. bc. o m	59	45	32	–	TRACE	–	–	6.1
Scilly (St. Mary's)	c	b or bc	b. bc	oo	62	50	*	–	–	–	–	3.7
Falmouth	b z bc	b b z	b w	b w	63	43	34	–	–	–	–	8.5
Plymouth	b or bc	b or bc	b. bc	c	62	39	34	–	–	–	–	8.8
Portland Bill	b or bc	b or bc	b. bc	c	62	42	*	–	–	–	–	*
Calshot	f or h	b or bc	b. bc	F	60	42	41	–	–	–	–	6.9
Dungeness	c	c	b. bc	F F. M	60	41	*	–	–	–	–	*
Jersey	o c o	o c b	b w x	b w x	60	42	*	–	–	–	–	3.5

ISALLOBARS. Monday, October 31st 1921.



Temperature reported from Cross Channel and Coastal Steamers.

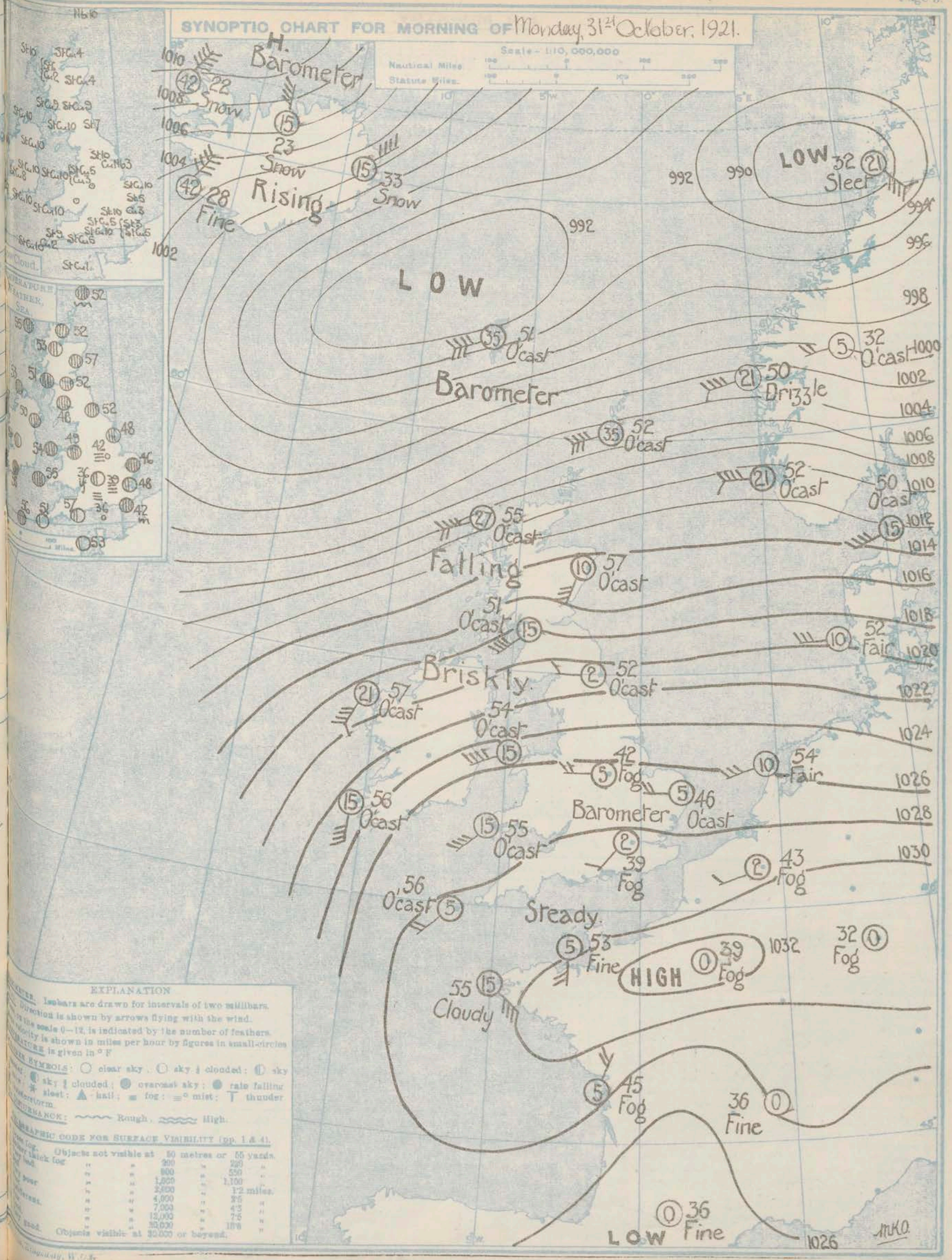
Position Number	3.															
Date	30															
Time G.M.T.	1015															
Sea ° F	53															
Air ° F	55															

GENERAL INFERENCE.

A deep depression centred near the Faroe is moving South-Eastward and is likely to cause strong winds and rain in all parts of the Kingdom. In its rear winds will become Northerly with a considerable fall of temperature.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 31st October, 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England	Wind South-West to West, moderate or fresh; cloudy to dull, some rain probable Tuesday; visibility fair; mild then colder.	Colder, with Northerly winds; probably some snow in the North.
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind South-West veering towards North-West or North later, fresh or strong, reaching a gale in places; dull, rain at times; visibility fair; mild, then much colder.	
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 South-West veering North-West or North, strong to a gale; dull, rain at times, hail or sleet in places; visibility fair; mild at first then much colder.	
19. S.E. Ireland 20. S.W. Ireland	Wind S.W. veering N.W. moderate to strong; dull, some rain; visibility fair; mild, then colder.	

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


SYNOPTIC CHART FOR MORNING OF Monday, 31st October, 1921.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
H.
Barometer
Rising
Fine
Snow
LOW
Sleet
Barometer
Drizzle
O'cast
Falling
Briskly
Fair
Fog
Steady
HIGH
Cloudy
Fine
EXPLANATION
Isobars are drawn for intervals of two millibars.
Direction is shown by arrows flying with the wind.
Velocity is shown in miles per hour by figures in small circles
TEMPERATURE is given in ° F
CLOUD SYMBOLS
Rough
High
GEOGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
Objects not visible at 50 metres or 55 yards.
Objects visible at 30,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. MONDAY 31st OCTOBER 1921. No. 304

Observations at 0100 G.M.T. 31st

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	1009.9	-3	W	6	07/1	52	92	6	1/200	Nb	10	-	10	*
Stornoway	1016.9	-3	WSW	3	p7	*	*	5	*	*	*	*	*	*
Wick	1014.9	-3	SW	3	0-	52	85	8	800	St	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1021.2	-3	SSW	3	0	53	92	8	4000	St Cu	10	-	10	*
Renfrew	1022.4	-4	SW	3	0	52	95	8	1500	St	10	-	10	*
Inchkeith	1021.1	-1	W	4	0	52	85	9	*	St Cu	10	-	10	*
Eskdalemuir														*
Tynemouth	1024.9	-2	WSW	1	0	53	85	7	-	-	0	A St	10	*
Blacksod Point ...	1022.2	-4	SSW	4	0	55	85	7	800	St	10	-	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1026.6	-5	WSW	3	0+	49	95	8	1000	St	10	-	10	*
Holyhead	1026.5	-2	SW	4	0	*	*	8	1500	St Cu	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1026.5	-1	SW'W	2	b+	38	97	6	2500	St	3	-	3	*
Spurn Head	1026.3	-1	W	5	b	52	85	5	4000	St Cu	1	-	1	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1027.9	0	W	3	0+	45	97	7	4000	St	9	-	9	*
Gorleston	1027.0	0	W	2	bc	50	92	7	-	-	0	A Cu	5	*
Pulham	1027.8	0	SW'W	1	bc	50	92	5	6/50	St Cu	5	-	5	*
Felixstowe														*
Valencia (Cahirciveen)		-3	S	2	C	55	95	5	-*	-	0	A St	8	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1029.0	-1	NE	1	b	48	97	9	-	-	0	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1029.2	-1	SW	3	b	44	97	6	-	-	0	-	0	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1029.1	0	-	0	b-	48	92	8	-	-	0	-	0	*
Scilly (St. Mary's) ...	1029.2	-1	S	3	0+	54	55	8	4000	St Cu	10	-	10	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1029.4	-1	NNE	1	b	42	97	8	-	-	0	-	0	*
Portland Bill	1030.1	+2	-	0	b+	54	55	8	-	-	0	Ci St	2	*
Calshot	1029.5	-1	NW	2	mwb	48	97	7	4000	St Cu	1	-	1	*
Dungeness	1029.1	0	N	2	b	49	97	8	-	-	0		0	*
Jersey 7h / Guernsey 1h	1029.9	0	S	2	bc+	50	92	8	6/50	St Cu	6	-	6	*

Observations at 0700 G.M.T. 31st

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	1004.7	-6	WSW	7	0+r	52	92	6	*	Nb	10	-	10	6
Stornoway	1008.3	-6	WSW	6	0	55	85	6	450	St	10	-	10	4
Wick	1008.1	-7	SSW	5	0	52	92	8	3/50	St Cu	4	Ci St	9	3
Castlebay	1037	-6	WSW	6	0+	55	92	5	800	St	10	-	10	6
Nairn	1011.2	*	-	0	C	53	95	8	4000	St Cu	7	-	7	4
Aberdeen	1014.5	-5	SSW	3	0	54	85	7	2500	St Cu	10	-	10	0
Malin Head	1016.0	-6	SSW	4	0	53	97	8	2500	St Cu	10	-	10	4
Renfrew	1018.1	-5	SW	4	0-	51	85	8	4000	St Cu	9	-	9	*
Inchkeith	1016.5	-3	WSW	5	0	52	95	9	*	St Cu	9	-	9	4
Eskdalemuir	1020.4	-4	SW	4	0	48	95	8	2500	St Cu	10	-	10	*
Tynemouth	1021.7	-3	W	1	0	52	85	7	2500	St	7	A St	10	2
Blacksod Point ...	1018.5	-5	SSW	5	0	54	95	7	1500	St	10	-	10	4
Donaghadee	1021.7	-3	W	3	0-	50	95	8	5/50	St Cu	10	-	10	1
Birr Castle	1023.3	*	SSW	2	C-	51	92	7	4000	St Cu	8	-	8	*
Baldonnell	1023.8	-1	SW	4	0	50	85	8	1000	St Cu	10	-	10	*
Holyhead	1024.2	-1	SW'W	4	0	54	95	8	2500	St Cu	10	-	10	1
Liverpool (Bidston) ...	1024.1	-2	SSW	2	0	49	85	7	2500	St Cu	10	-	10	1
Chester (Shotwick) ...	1023.4	*	S	2	0	46	*	5	4000	St	16	-	10	*
Howden	1024.9	-1	SW'S	3	0+	48	92	6	2500	St	10	-	7	2
Spurn Head	1025.6	-1	SSW	4	C-	48	92	5	3/50	Cu Nb	3	Ci	10	*
Nottingham	1026.2	*	W	2	FFo	42	97	1	-	-	0	A St	7	*
Cranwell	1025.8	-2	W	3	C+	43	97	5	-	-	0	Ci St	10	0
Gorleston	1026.2	0	W'S	2	0	46	92	6	7/250	St Cu	10	-	10	*
Pulham	1024.1	-1	-	0	bc	43	97	5	-	-	0	Ci	4	*
Felixstowe	1027.8	0	SW'W	2	b	44	97	5	-	-	0	A St	1	0
Valencia (Cahirciveen)	1023.2	-3	S	4	0	56	85	8	2500	St Cu	7	A St	10	1
Roches Point	1026.3	-1	SW	4	0	55	85	8	4000	St Cu	10	-	10	3
Pembroke (St. Ann's H.)	1026.6	-1	SW	4	0+	55	85	9	4000	St Cu	10	-	10	3
Ross-on-Wye	1024.3	-2	SW	1	FFo	42	97	3	225	St	10	-	10	*
Benson...	1027.9	0	-	0	1/bc	34	97	3	-	-	0	Ci	5	*
S. Farnborough ...	1028.5	0	SW'S	1	fc-	36	97	3	4000	St Cu	5	A Cu	7	*
London (Kew Obsy.)...	1028.5	0	SW	1	FFo	39	97	1	<150	St	10	-	10	*
Croydon	1028.3	0	SW	2	0+	48	92	7	4000	St Cu	9	-	9	*
Clacton-on-Sea ...	1027.6	0	W	2	fbc	48	85	3	<150	St	5	-	5	0
Shoeburyness	1028.1	-1	SSW	1	Fbc	44	92	1	4000	Cu	3	A Cu	6	*
Grain	1028.5	0	-	0	FFo	45	97	0	<150	St	10	-	10	0
Lympne	1028.9	0	SW	2	C+	48	97	5	1500	St Cu	8	-	8	*
Scilly (St. Mary's) ...	1028.2	0	SW	2	0	56	85	9	4000	St Cu	10	-	10	1
Falmouth	1028.0	-1	SW	2	bc	51	92	7	4000	Cu	2	Ci	4	*
Plymouth	1028.0	-1	W	2	0	45	97	6	2500	St	9	-	9	*
Portland Bill	1029.0	+1	WSW	3	bc	54	85	8	1500	St Cu	5	-	5	3
Calshot	1028.6	-1	-	0	mo	45	97	4	2500	St Cu	10	-	10	0
Dungeness	1028.8	0	W	1	mwo	42	97	4	450	St	10	-	10	3
Jersey 7h / Guernsey 1h	1029.5	0	SSW	2	b	53	92	8	4000	St Cu	1	-	1	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 30th OCTOBER

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 29th-30th mm.	Rainfall.† Day 9h.-17h. 30th mm.	Sunshine. Sunrise to 17h. 30th hr.	Sunshine. Sunrise to Sunset. 29th hr.
Banff	oc	cbcc	57	49	0.1	-	1.8	1.2
Montrose	c	c	57	47	-	-	0.0	0.0
Llandudno	b bc	c	58	52	-	-	4.0	3.7
Colwyn Bay ...	b	b	58	50	-	-	5.0	4.4
Rhyl...	bc	bcc	60	53	-	-	6.4	2.8
Southport	bc cbc	mcco	57	53	-	-	4.0	3.0
Blackpool	bc	co	58	54	-	-	3.9	2.7
Harrogate	b	bbcc	61	48	-	-	6.0	1.8
Skegness	oc	bo	57	48	-	-	0.9	2.2
Aberystwyth ...								
Bath	mb	b	59	40	-	-	6.2	5.8
Leamington Spa ...	c	c	60	42	-	-	3.5	1.1
Lowestoft	ocb	bccob	58	50	0.3	-	1.8	0.8
Felixstowe	bc	c	60	52	-	-	2.8	3.7
Southend	cbc	bcco	63	50	-	-	4.0	4.4

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 29th-30th mm.	Rainfall.† Day 9h.-17h. 30th mm.	Sunshine. Sunrise to 17h. 30th hr.	Sunshine. Sunrise to Sunset. 29th hr.
Paignton	b	b	64	43	-	-	8.6	7.5
Ilfracombe	bc	b	59	52	-	-	8.2	0.6
Bude								
Penzance	bc b	b	63	48	-	-	8.0	7.0
Torquay	b	b	58	46	-	-	9.0	[illegible]
Weymouth	b	b	66	48	-	-	8.7	9.0
Bournemouth ...	b	b	61	43	-	-	7.4	9.6
Portsmouth (S'thsea)	?	?	62	44	-	-	6.4	6.1
Worthing	b	co	60	47	-	-	7.0	5.0
Brighton	b bc	co	61	49	-	-	5.6	5.2
Eastbourne ...	bc	bcco	62	50	-	-	4.9	5.8
Hastings	b bc	bbcco	61	49	-	-	6.8	6.1
Folkestone	c	c	62	46	-	-	?	5.2
Tunbridge Wells ...	b	b om	61	45	-	-	5.1	2.1
Ramsgate	b	b	57	51	-	-	6.3	4.5
Margate	b	b	59	52	-	-	5.6	1.5
Deal	o bc	bc	58	50	-	-	5.4	5.4

* 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 1.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, October 1921.

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.
1st	Baldonnel	30th 18h. Wind NNE
	Felixstowe	30th 18h. Bar. 1019.0. wind force 4
	Plymouth	30th 18h. wind force 2.
	Dungeness.	30th 18h. Bar. 1017.9
	Cranwell	30th 18h. High cloud. A.Cu
	Holyhead	1st 7h. Temp. 54°
	"	weather 18h - 18h. cobm.
	Manchester.	" 18h - 1h c.bc
	"	1h - 7h bmfc.
		Rain day, nil.
	Howden	Sunshine 2.1h.
	Felixstowe	" 6.0h.
	Valencia	weather 18h - 18h cbfog
2nd	Cranwell	1st 18h. omit low cloud, and height
	Baldonnel.	1st 18h. Weather 0r + upper cloud A.St.
	Cranwell	1st 18h. omit low cloud Height.
	Kew	1st 18h wind calm
	Baldonnel	2nd 1h. Low cloud amount 3.
	Calshot	2nd 7h Weather 0bm
		Cloud A.St. 10.
	Plymouth.	2nd 7h. Bar. 1008.0
3rd	Colwyn Bay	Sunshine, sunrise to sunset, 7.0
	S. Farnboro'	2nd 13h. wind force 3.
	Croydon	" " Humidity 48%
	Lympne	" " " 45%
	Howden	2nd 18h. Bar 1007.1
	Kew Obsy.	" " Humidity 75%. Visib 6.
	Croydon	" " Low cloud 3/10 Cu. 6.
	Grain	" " Sea 0
	Lympne	" " Humidity 85%
	Pulham	3rd 1h. Bar. 1007.8
	Plymouth	" " wind force 5
	Renfrew	3rd 7h. cloud height 4000'
	Blacksod	" " Bar. 1004.3
	Spurn Head	" " " 1000.9
	Grain	" " Sea 6
	Birr Castle	max. temp 65°
	Baldonnel.	13h - 18h. weather oorr
	S. Farnboro	Sunshine 3.2h.
	Lympne	" 6.4h.
4th	Manchester	3rd 13h. Form of low cloud St.
	Renfrew	3rd 18h. Cloud height 4100'
	Baldonnel.	" " Bar. change +1
	Manchester.	" " wind SSW
	Croydon	" " Humidity 75%
	Calshot	" " Temp. 63° : Humidity 97
	Holyhead	4th 1h weather. orr
	Croydon	4th 1h. upper cloud form Ci-St.
	Plymouth	" " wind direction NE
	Monaghadee	Rain day 3 mm.
	Howden	Sunshine 0.2h.
	S. Farnboro'	Grass min 43°
	Lympne	Sunshine 6.5h.
	Plymouth.	" 0.5h.
5th	Cranwell.	4th 18h. wind direction E.
	Blacksod	max temp. 67°
	Holyhead.	1h - 7h. 5th weather bcw.
	Manchester.	18h - 18h. 4th " opd, m.
	"	18h 4th - 1h 5th " om
	Valencia	" " " " b. bc
	S. Farnboro'	min. night 53°
6th	Holyhead.	5th 13h. Weather bc
	"	" Cloud A.Cu S.
	Renfrew	5th 18h. Cloud: Ht. 5000: CuNb 8 Ci.St. 10
	Howden	" " wind SE'E
	Baldonnel.	6th 1h. " S'W
	Nairn	6th 7h. Bar. 1006.4.
	Howden	" " " SE
	Manchester	18h. 5th - 1h. 6th. obm: 1h - 7h 6th bfm
		min. temp. 56°
	Felixstowe.	Sun. 7.2h.
7th	Cranwell.	6th 13h. wind SE'S.
	Roches Pt.	" Bar. 1013.3
	Grain	6th 18h. Temp. 68°
	Birr Castle.	Sun. 1.7h.
	Felixstowe.	" 9.6h.
	Croydon	" 9.9h.
8th	Baldonnell.	7th 13h. Bar. change +1.
	S. Farnboro'	7th 18h. Temp 61°
	Birr Castle	max. Temp 62°
	Baldonnel.	weather. 18h. 7th - 1h 8th: obcbG
	Pembroke.	Max. temp 61°
	S. Farnboro	Sun. 7.0h.
	Calshot	Min. temp 56° : Grass min 52°
9th	Felixstowe.	8th 13h. Temp 62°
	S. Farnboro'.	" " weather o/m
	"	8th 18h. Temp 61°
	Holyhead.	9th 1h. Bar. 1012.8 mb.
	Howden	" " Temp 52°

Report for	STATION.	CORRECTION.
9th	Felixstowe	9th 7h. Cloud total. 7.
	Baldonnel.	Sunshine 3.3h.
	Manchester	Grass. min. 43°
	Howden	Sun. 1.1h.
	Spurn.	" 0.3h.
	Felixstowe	" 2.6h.
	S. Farnboro'	" 7.2h.
10th	Cranwell.	9th 18h. Bar change +3: Cloud total. 8
	S. Farnboro'	9th 18h. Bar. change -5
	Croydon	" " Cloud total 6
	Holyhead	10th 1h. wind S'E
	Howden	" " " SE'E force 1.
	"	" 7h. " force 3
	Roches	" 7h. Low cloud St.
	Stornoway.	Sunshine 0.0h.
	Birr Castle	Max. 66°
	Howden	Sunshine 8.6h.
	Pulham	min. temp 57°. Rain night nil.
	S. Farnboro	Sun 8.9
11th	Cranwell.	10th 18h. Low cloud Cu
	Ross-on-Wye	" " Bar. 1013.3
	Birr	15th 18h. 1010.7
	Holyhead.	" " Sea 1.
	Baldonnel.	11th 1h. Bar. change +2.
	Calshot.	11th 1h. Visib. 8.
	Baldonnel.	11th 7h. Bar. 1016.7
	Gorleston	11th 7h. Humidity 97%
	S. Farnboro	11th 7h. Cloud St. 10: total 10
	Calshot.	" " " Height. 800'
	Inchkeith.	min. temp ?
	Birr Castle	max. temp 64°
	Holyhead	13h - 18h. 10th weather bcc. 18h. 10th - 1h 11th cobD: Rain day nil.
	Howden.	Sun. 6.0h.
	Ross-on-Wye.	weather. 18h. 10th - 1h 11th c.o
	S. Farnboro	Sunshine 3.6h.
12th	Grain.	11th 18h. Cloud A.St. 2. weather. b-
	Baldonnel	12th 1h. wind force 2.
	Roches Pt.	12th 7h. Humidity 97% Cloud total 10
	Manchester.	18h. 11th - 1h. 12th ocm: 1h - 7h 12th cm: Rain day 0.3 mm
	Roches Pt.	min. night 50°.
	S. Farnboro'	Sun. 4.6h.
	Lympne	Sun 7.8h.
13th	Renfrew.	12th 18h. Bar. 1025.3
	Howden	" " wind force. 1.
	Holyhead	13th 1h. Bar. 1026.2 mb.
	Manchester.	13th 7h. " 1025.9 mb.
	Holyhead	weather 18h. 12th - 1h. 13th
	Manchester.	" 1h - 7h. oocm.
	Howden	Sun. 6.4h.
	S. Farnboro	" 2.1h.
	Inchkeith	max. temp 62°
14th	Eskdalemuir	13th 13h. Temp. 51°
	Baldonnel	" " " 65°
	Kew Obsy	" " weather bc-3
	Holyhead	" 18h. " 0r0
	Cranwell.	" 18h. " m0: Cloud total 9.
	Calshot.	" " Humidity 95%
	Renfrew	14th 7h. wind force 4
	Valencia	" " Sea 3
	Kew	" " Low cloud Nb 9.
	Grain	" " Omit. CuNb 3.
	Eskdale.	max. temp 54°
	Holyhead	weather. 0 Rm
	Manchester.	18h - 7h. weather. c3mpbrg
	Pulham	max. temp 67°
	S. Farnboro	Sun 5.9h.
	Lympne	7.4h.
15th	Renfrew	14th 13h. upper cloud A.Cu
	Roches Pt.	" " Temp. 65: Visib. 8
	Kew	" " Weather bm
	Grain	" " Humidity 65%
	Calshot.	" " wind NNW: Temp 65°
	Baldonnel.	15th 1h. Bar. change -1.
	Castlebay	" 7h. Wind SW: Cloud St. 10: omit. A.St.
	Howden	min. temp 38°. Sun 8.5h.
	Spurn Head.	Sun. 8.6h.
	Lympne	" 1.4h.
16th	Renfrew.	15th 13h. Low cloud amount 3.
	Baldonnel.	" " Humidity 65%

Report for	STATION.	CORRECTION.
16th	Castlebay.	15th 18h. Wind SSW
	Calshot.	" " Humidity 85%
	Jersey.	16th 7h. Bar. 1018.2
	Malin Hd.	Min. temp. 47°
	Baldonnel.	Sun. 7.6h.
	Howden	" 5.7h.
	Nottingham	min. temp 38°
	Kew Obsy	max. temp 62°
		max temp. 64° : min temp 39°
	Grain	
17th	Lerwick	16th 18h. weather. bc : Cloud A.Cu
	Felixstowe	" " Temp 55°
	"	17th 7h. Bar. 1015.8 mb.
	Renfrew.	Rain night. max.
	Baldonnel.	Sun. 2.1h.
	Howden	Sun. 7.7h.
	Cranwell.	Grass min 39° : Sun 8.6
	Spurn	Sun 9.4h.
18th	Wick.	17th 13h. Bar. 1017.3 mb.
	Houghton.	17th 18h. Cloud height 2500'
	Grain	" " Wind SSE
	Calshot.	" " Bar. change. 0.
	Holyhead	18th 7h. Cloud total. 4.
	Kew Obsy	" " Cloud nil.
	Lympne	" " Humidity 97%
	Renfrew	Grass min 35°.
	Howden	Sun 5.2h.
19th	Baldonnel.	18th 13h. Cloud 4-3500 W.S: A.St: 9
	Croydon	19th 1h. Bar. 1018.7: Humidity 87 Cloud 2-5: H. Cu.
	Lympne.	19th 1h. Bar. 1019.2: Wind SSE: 3 weather Bmns: Temp 59° Humidity 90%: Cloud nil
	Castlebay	19th 7h. Sea 5.
	Holyhead	" 7h. Cloud. A.St. (upper) Sea 1.
	Jersey.	max. temp 66°
	Renfrew	min. temp 54° : Grass min 51° Rain night 1 mm.
	Holyhead	weather. 18h. 18th - 1h. 19th 0.0
	Howden	min. temp 56° : Sun 8.2h.
	Felixstowe.	max. temp 58°
	S. Farnboro	Sun 9.1h.
20th	Cranwell	19th 13h. St. Cu 6. H. cu 8.
	"	" 18h. min. temp 61°. Low cloud amount 5.
	Felixstowe	" 18h. High cloud Ci. St.
	Baldonnel.	20th 1h wind force 1.
	Holyhead	" " weather 0D: Cloud CSt. 10
	Renfrew	" 7h. Bar 1019.7: wind S.3. weather bc
	Howden	" 7h Bar. 1022.0: weather c Visib 6: Cloud. 4000 St. Cu 8/10 - 18/11: Visib 6.
	Renfrew	Grass min 26°: omit Sun 0.0
	Holyhead	weather 18h. 19th - 1h. 20th 00p
	Howden	min. 42° : Grass min 35° Rain night 1 mm: Sun 4.9h
	Pembroke.	Sun 0.9h.
	S. Farnboro	Sun 2.8h.
	Plymouth.	Grass min 55°
21st	Cranwell.	20th 13h. Bar. 1023.0: Wind N. Temp 51°
	Kew Obsy	20th 13h weather. 0/d0.
	Malin Hd.	21st 7h. Humidity 97%: Vis 8.
	Renfrew	" " " 85%: Vis 8.
	Baldonnel.	" " Temp 47°
	Renfrew.	min. temp 47°: Grass min 45°
	Howden	max. temp 62°: Sun 4.2h.
	Roches Pt.	" " 56°
	Grain	" " 51°
22nd	Baldonnel.	21st 13h. Temp 57°
	Kew Obsy	" " Cloud total. 8.
	Calshot.	" " Bar. 1022.6: Wind NW
	Portland. B.	" 18h. Temp 58°
	Dungeness	22nd 1h. Bar 1020.9 mb.
	Howden	Sun 6.4h.
	Kew Obsy	min. temp 48°
	Croydon	Sun. 5.0h.
	Lympne	" 2.7h.
23rd	Holyhead.	22nd 13h. Visib. 8.
	Howden	" " wind force 4
	Pulham	" " Temp. 59°
	Castlebay	" " Humidity 75%: Visib 9.
	Eskdalemuir	" 18h. Temp 36°
	Holyhead	" " Bar. 1006.0 mb.
	Felixstowe.	" " " 1004.7 mb: Humidity 85%
	Kew Obsy	" " 1003.7 mb.
	Spurn Head	23rd 1h " 1001.9
	Cranwell.	" " weather b-: Cloud A.Cu 2
	Felixstowe	" 7h. Humidity 78%

‡ The barometric change is expressed in half millibars.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, October 1921.

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.
23rd	Stornoway	Sun 3·9h.
	Renfrew	max. temp. 41°: Rain day 7mm
	Eskdalemuir	" " 36°
	Holyhead	Weather 18h - 1h. cph.
	Spurn Hd.	Sun 0·0h.
24th	Liverpool	23rd 13h. Bar. 1013·1mb.
	Cranwell.	" 18h. Wind NNW
	Kensington Palace.	Max. temp 50° Rain day 2m
	Baldonnel.	24th 1h. Wind force 3.
	Howden	" " " N'W: force 4
	Nairn	" 7h. " calm.
	Howden	" " " N'W: force 4.
	Felixstowe.	" " Low cloud Cu
	Grain	" " Humidity 75%.
	Howden	Sun 3·4h.
	Holyhead.	Precipitation began 0700, not 11.00.
25th	Donaghadee.	24th 13h. Bar. 1031·4mb.
	Castlebay.	" 18h. Bar. change -1
	Renfrew	" " Wind force 4.
	Holyhead	Sun 5·2h.
	Howden	" 8·8h.
	Pulham	Rain day 2mm
	S. Farnboro'	Sun 9·3h.
26th	Baldonnel.	25th 13h. Bar. 1034·9mb.
	Holyhead	26th 1h. Visib 8.
	Renfrew	26th 7h. Humidity 97%
	"	min. temp 49°
	Howden	Sun 6·0h.
	S. Farnboro'	" 5·6h.
	Grain	Weather. 18h - 7h. OF.
27th	Renfrew.	26th 13h. Wind S.W. Cloud height 2500
	Grain	26th 13h. Wind NW.
27th (cont.)	Calshot.	26th 13h. Cloud height 2500
	"	" 18h. Humidity 85%: Visib 7.
	Holyhead	27th 1h. Wind SW'W: Visib 8.
	Howden	" 7h. Wind WSW
	Renfrew.	max. day 56°.
28th	Valencia	27th 13h. Bar. 1035·0mb.
	S. Farnboro'	" " Temp. 60°
	Grain	" " Bar. change -2. Humidity 65%.
	Calshot.	" " Wind N'W.
	Renfrew.	" 18h. Low cloud am't 6.
	Holyhead	28th 1h. Bar. 1034·7mb.
	Baldonnell.	" 7h. " 1036·0mb: Temp 46
	Cranwell.	" " change -2: Humidity 9?
	Pembroke	" " Temp 55
	Aberdeen	"Rain night 0·1mm. pptn began 24.00.
	Howden	Sun 5·9h.
29th	Baldonnel.	29th 1h. St. 10.
	Felixstowe	" 7h. Temp 48°
	Renfrew.	Sun: omit 0·5.
	S. Farnboro'	" 4·1h.
30th	Holyhead	29th 13h. Temp 58°
	Valencia	" " Bar. change -2.
	Calshot.	" " Wind NNW.
	Nairn	" 18h. Cloud St: 9: no upper cld.
	Holyhead	" " Cloud: 400/St.Cu/8/A.Cu/4
	Croydon	" " weather O: cloud total 10
	Holyhead	30th 1h. " b
	Cranwell.	" " wind force 4: Height 400
	Nairn	" 7h Visib 8.
30th	Nairn	30th 7h Visib 8.
	Howden	" " Wind force 3.
	Lerwick	min. temp 40°
	Howden	Sun 2·3h.
31st	Malin Hd.	30th 13h. Bar. 1026·3mb.
	Renfrew	30th 18h. " change 0.
	Valencia	" " Humidity 75%
	Kew Obs'y	" " Wind NW
	Holyhead	31st 1h. Bar. 1026·5mb.
	Howden	" " Wind SW'W force 2.
	Nottingham	max temp 61°
	Felixstowe	Sun 2·7h.
	S. Farnboro'	" 5·1h.

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.	Precipitation began.	Sun Hours
1st	Castlebay 30th 13h.	1011·5	-2	WSW	4	ffb	56	85	5	4000	St.	3	A.St	4	*	fbff										
	" " 18h.	1011·2	0	SW	4	mmb	56	85	6	4000	St.	6	-	6	4		bf.cf									
	" 1st 7h.	1011·1	0	—	0	mmo	55	97	6	4000	St.	10	-	10	1			coff	offom	57	54	*	—	—	-	3·2
	Malin Hd. 30th 13h.	1012·2	-2	SSW	2	c+	59	92	6	-	-	-	A.St	8	*	c										
	" " 18h.	1011·2	0	SSW	1	o	57	97	6	4000	St.Cu	9	-	9	0		c									
	" 1st 1h.	1011·0	0	SSW	1	b	54	97	7	-	-	-	-	0	*			borbc	borbc	62	52	*	-	-	-	0·7
	" " 7h.	1010·2	-1	E	1	bc+	54	97	7	-	-	-	A.Cu	4	0											
2nd	Castlebay 1st 13h.	1011·0	0	SE	3	mmbc	56	92	4	4000	St.	6	-	6	*	mbff										
	" " 18h.	1009·6	-1	E	4	cmm	56	92	5	5750	St.Cu	8	-	8	3		coff									
	" 2nd 7h.	1008·4	-2	ENE	3	ododo	55	97	4	800	Nb	10	-	10	3			offom	bmrdf	58	53	*	-	4	-	4·3
	Malin Hd. 1st 13h.	1009·0	-1	E	1	bc	65	85	7	-	-	-	Ci.Cu	3	*	borbc										
	" " 18h.	1008·1	-2	SSE	2	c+	59	85	8	5750	St.Cu	4	A.Cu	7	1		borbc									
	" 2nd 1h.	1005·4	-2	SSE	3	c-	58	92	8	-	-	-	A.St	8	*											
	" " 7h.	1004·6	0	SE	1	c	58	97	8	1500	St.	8	-	8	0			0.0								
3rd	Valencia " 7h.	1003·0	0	SSE	3	o	61	97	9	1500	St.Cu	10	-	10	0				c	64	54	*	-	-	-	6·6
	Castlebay 2nd 13h.	1004·4	-1	E	4	ododo	53	97	4	800	Nb	10	-	10	*	drdff			op.o	65	60	58	6	3	24.00	0·1
	" " 18h.	1002·7	-1	—	0	ffo	57	97	3	800	St.	10	-	10	1		df.F.f									
	" 3rd 7h.	1003·3	+1	NE	5	orr	50	97	5	800	Nb	10	-	10	5			omdm	dmrr	57	50	*	2	5	<0800	0·0
	Malin Hd. 2nd 13h.	1003·4	-3	SSW	3	oro	61	97	8	2500	Nb	10	-	10	*	iro										
	" " 18h.	1003·8	-1	S	2	o	61	97	8	1500	St.	4	A.St	10	0		roro									
	" 3rd 1h.	1001·8	0	SSW	2	or	59	97	8	800	St.	10	-	10	*			ir								
	" " 7h.	1003·4	+2	SSW	1	FFo	57	97	1	450	St.	10	-	10	0											
	Felixstowe 3rd 7h.	1009·9	-1	SW'S	5	O+	63	75	8	1500	St.Cu	9	-	9	3				irff	62	56	*	1	8	<0100	0·2
4th	Castlebay 3rd 13h.	1010·3	+4	NW	4	O+	51	75	8	4000	St.	10	-	10	*			c.o		66	60	59	-	-	-	3·1
	" " 18h.	1013·3	+4	NE	5	o	49	75	8	2500	St.	10	-	10	5	rrcoq	oq									
	" 4th 7h.	1015·7	0	ESE	4	o	53	85	8	5750	St.	10	-	10	4			cbcqp	opro.o	52	50	*	0·5	0·5	-	1·4
	Malin Hd. 3rd 13h.	1007·5	+4	WNW	2	o-	54	97	8	450	St.	9	-	9	*	irif	oc									
	" " 18h.	1010·7	+6	NNW	3	o	53	97	8	500	St.	10	-	10	2			0.0								
	" 4th 1h.	1012·6	+1	SE	1	o	53	97	8	1500	St.	10	-	10	*				0.0	57	52	*	-	—	-	0·0
	" " 7h.	1013·0	0	ESE	3	o	53	97	8	4000	St.Cu	9	-	9	2											
5th	Castlebay 4th 13h.	1015·0	0	E	4	o	55	85	8	7250	St.	10	-	10	*	0.0										
	" " 18h.	1013·1	-1	E	5	orr	54	92	5	450	Nb	10	-	10	6		orr									
	" 5th 7h.	1009·7	-1	SE	5	odo	57	97	5	800	Nb	10	-	10	5			rrdo	odo	55	53	*	2	1	-	0·0
	Malin Head 4th 13h.	1012·4	-1	ESE	4	opro	56	97	7	4000	Nb	10	-	10	*	oqp										
	" " 18h.	1011·2	0	SE	3	or	60	97	8	2500	St.Cu	6	A.Cu	8	3		ir									
	" 5th 1h.	1011·0	0	SSE	2	bc-	60	97	8	-	-	-	A.Cu	3	*			c								
	" " 7h.	1007·0	-4	ESE	4	bc-	60	97	8	-	-	-	A.Cu	3	4				borbc	60	59	*	-	-		0·0
6th	Castlebay 5th 13h.	1007·3	-2	ESE	3	PR	59	85	6	1500	Nb	10	-	10	*	dgop										
	" " 18h.	1005·1	-3	E	4	fo+	59	92	6	4000	St.Cu	8	-	8	5		opcom									
	" 6th 7h.	1004·7	+1	WNW	4	od	54	97	6	2500	Nb	10	-	10	4			omc	ornd	59	52	*	0·3	2		0·7
	Malin Hd. 5th 13h.	1002·6	-1	SSE	4	bc+	68	92	7	4000	Cu	6	-	6	*	borbc										
	" " 18h.	1005·6	0	SE	2	c+	65	92	8	-	-	-	A.St	7	1		borbc						—			
7th	Castlebay 6th 13h.	1009·5	+1	WSW	4	o/r	58	75	8	4000	St.	10	-	10	*	do.										
	" " 18h.	1010·1	+1	SSW	3	bc	54	75	8	7250	Cu	2	A.St	3	3		obc									
8th	" 7th 7h.	1004·1	-4	SW	5	oro	58	97	5	800	Nb	10	-	10	6			bcop	oprr	55	52	*	0·2	2	-	0·8
	" " 13h.	1008·1	+5	NW	4	o/r	53	92	7	4000	St.	10	-	10	*	rro										
	" " 18h.	1010·7	+3	SSW	3	o-	53	75	8	7250	Cu	10	-	10	3		oo									
	" 8th 7h.	1011·7	+1	NW	4	od-	55	97	6	2500	St.	10	-	10	3			dbco	omd	53	51		0·2	3	-	0·2
9th	" " 13h.	1013·8	+1	NW	3	o/r	53	93	4	6000	St.	10	-	10	*	dopo										
	" " 18h.	1012·4	-1	—	0	d+	53	92	5	1500	Nb	10	-	10	1		odd									
	" 9th 7h.	1008·3	0	E	3	o/r	57	97	6	4000	St.	10	-	10	3			dRRo	o	58	51	*	0·4	8	-	0·0

‡ The barometric change is expressed in half millibars.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, October 1921.

II.—ADDITIONS.

Report for	STATION.	Baromr. 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.
10th	Castlebay 9th 7h.	1008.1	0	SSE	4	fb	57	97	5	4000	St.	4	A St	10	*	ocm	cmo									
	" " 18h.	1006.7	-1	-	0	of	58	85	5	2500	St	10	-	10	2			oRR	RR	59	52	*	-	36	·	1.1
11th	" 10th 7h.	1006.1	0	N	4	dr	52	97	5	1500	Nb	10	-	10	4											
	" " 13h.	1009.1	+1	N	5	cm	53	97	6	1500	Nb	10	-	10	*	RR										
	" " 18h.	1013.3	+2	N	5	cm	52	97	5	1500	Nb	10	-	10	5		rr									
12th	" 11th 7h.	1016.8	0	N	2	ocf	54	92	5	1500	Nb	10	-	10	3			rro	ddff	53	51	*	17	5		0.0
	" 11th 13h.	1015.7	0	ENE	2	ccd	57	97	4	800	Nb	10	-	10	*	ddff										
	" " 18h.	1015.1	0	NW	3	cm	53	97	4	800	Nb	10	-	10	3		amff	mffo	o	57	48	*	3	2	-	0.0
	" 12th 7h.	1020.1	+1	WNW	3	of	52	85	5	5750	St.	10	-	10	3											
13th	" 12th 13h.	1023.1	+3	SW	4	c-	55	85	8	5750	St.	7	.	7	*	opc										
	Renfrew 13th 7h.	1023.9	-2	NE	2	ocf	45	97	3	3000	Nb	8	A St	10	*				-	-	42	36		1	0400	*
16th	Castlebay 16th 7h.	1016.6	-2	S	5	opr	57	97	7	2500	Nb	10	-	10	5											
	" " 13h.	1016.1	+2	WNW	4	of	54	97	7	4000	St.	10	-	10	*			opgr	ap	56	55			0.4	<2400	0.0
17th	" " 18h.	1020.4	+3	WNW	3	b.	51	85	8	7250	St.Cu	2	-	2	3	1po										
	" 17th 7h.	1018.1	-2	S	4	ocb	55	97	3	1500	Nb	10	-	10	4		ocb	b	bdd	57	46	*	2	0.3	-	2.2
18th	" 18th 7h.	1009.1	-1	S	5	opr	58	97	7	4000	St.	10	-	10	5			Rsf	rsop	57	56	*	6	8	-	0.0
19th	Aberdeen 18th 19h.	1008.3	-3	SE	2	bc	56	85	6	5750	St.Cu	4	-	4	0		bzm						-			
23rd	Eskdalemuir 18th	No observations taken																								
	Renfrew 22nd 18h.	1009.3	+3	WNW	2	oif	41	85	8	1500	St.Cu	6	A St	10	*											
30th	Castlebay 30th 7h.	1024.7	0	W	4	o-	54	97	7	5750	St.Cu	10	-	10	4											

‡ The barometric change is expressed in half millibars.

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