

M.O. FORM 2373

AIR MINISTRY.

METEOROLOGICAL OFFICE.

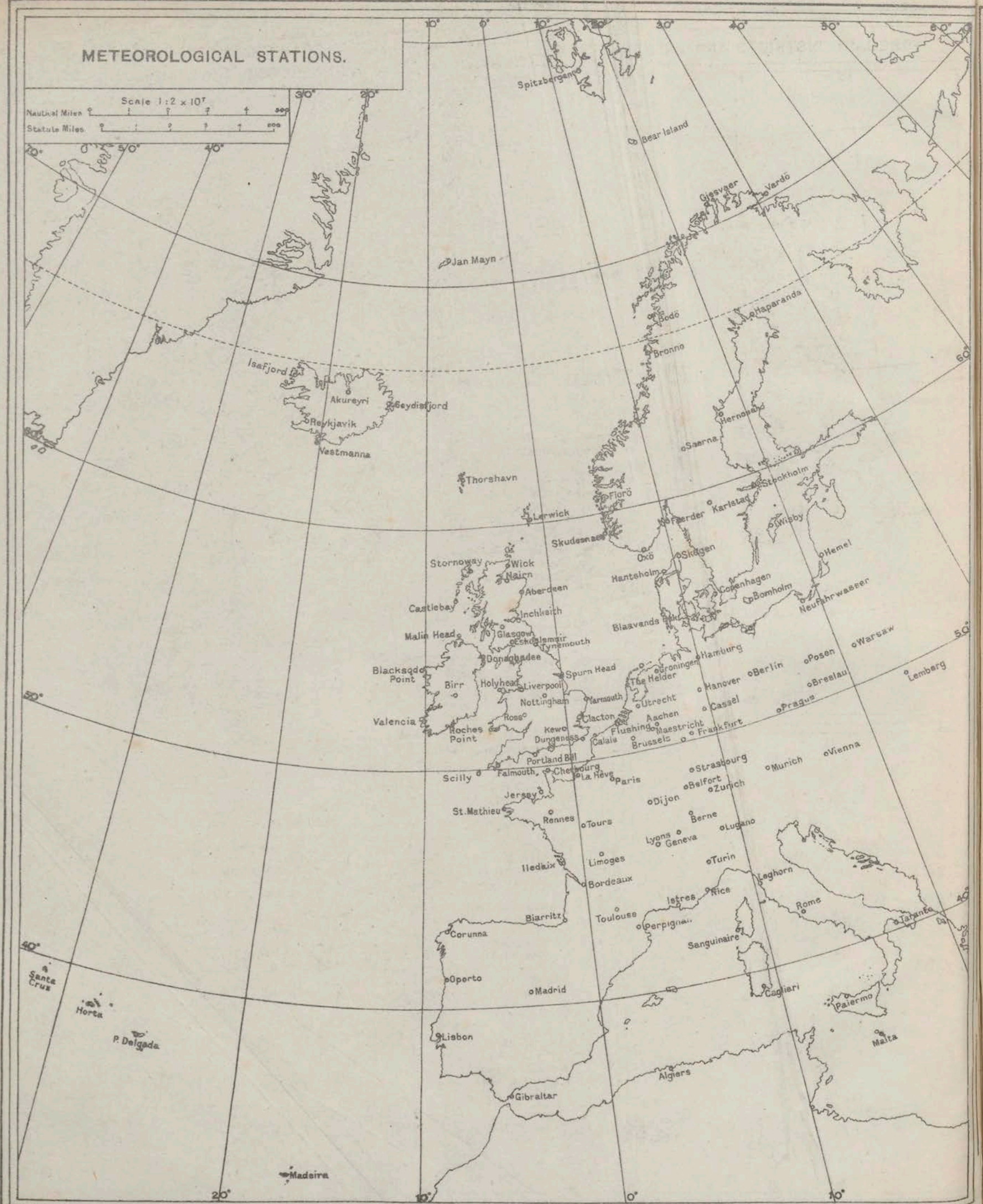
LONDON.

DAILY WEATHER REPORTS

1ST OCTOBER TO 31ST DECEMBER, 1921.

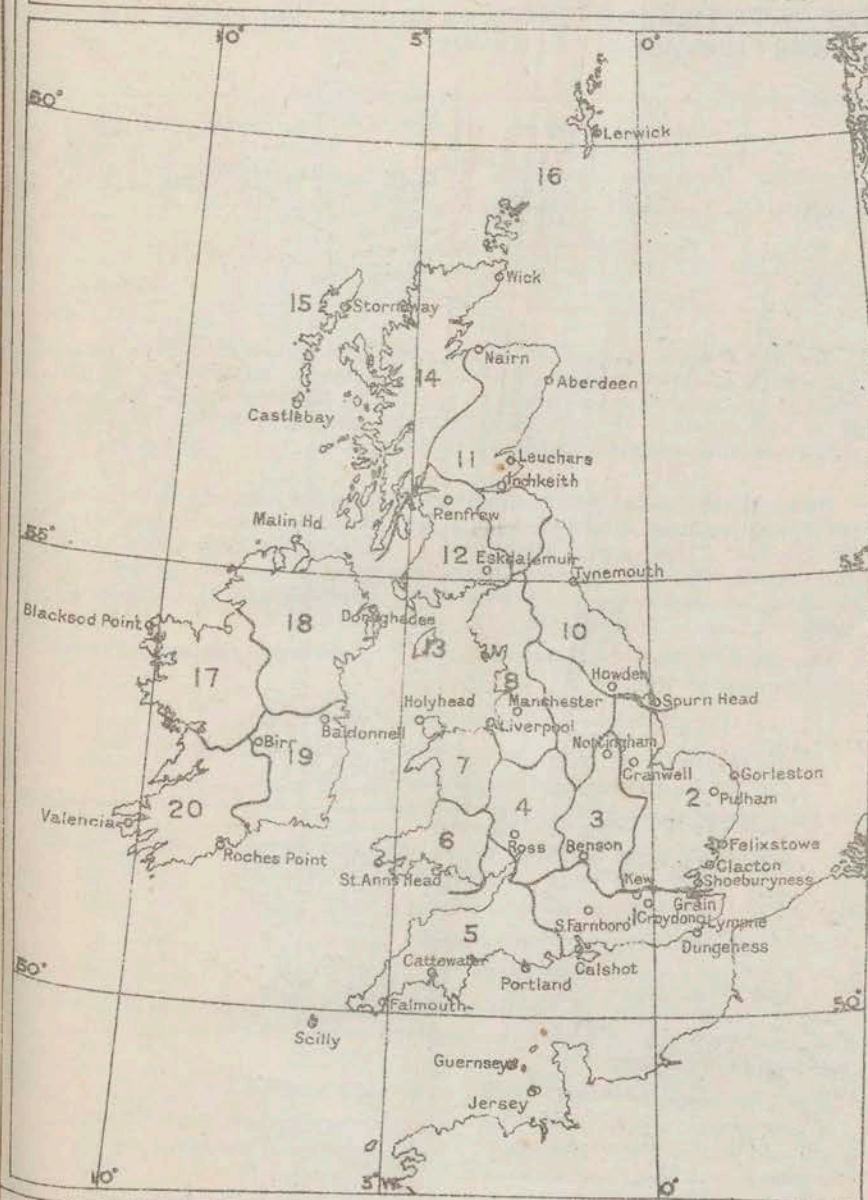
METEOROLOGICAL STATIONS.

Scale $1:2 \times 10^7$
 Nautical Miles 0 1 2 3 4 5
 Statute Miles 0 1 2 3 4 5



21/2

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.

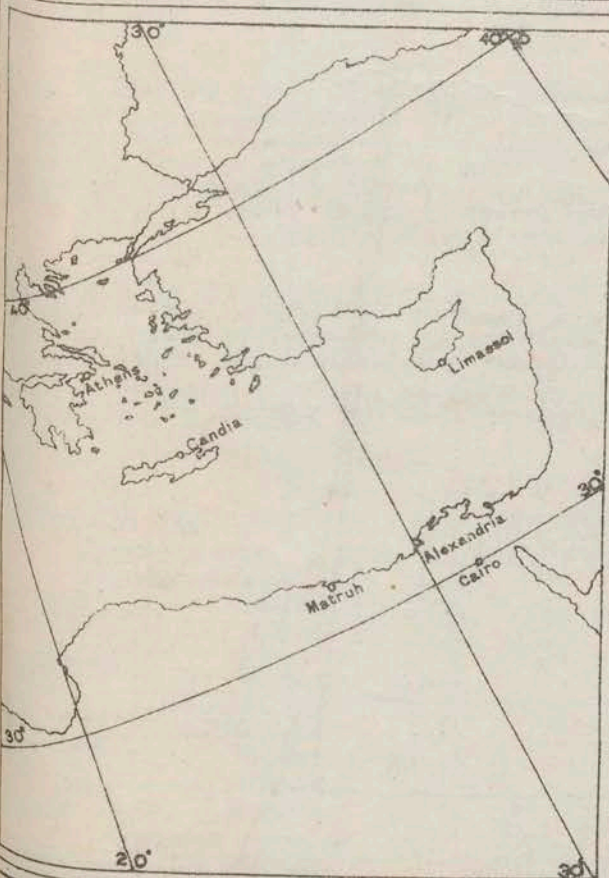
Capital letters indicate intensity, suffix o indicates slight, and repetition of letters continuity, thus :-
R=heavy rain. rr=continuous moderate rain. roo=continuous slight rain.

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 & cloudy ☉
Sky & cloudy ☉ Sky & cloudy ☉
Overcast sky ☉ Rain falling ☉
Snow ❄ Sleet ❄
Fog ☁ Hail ❄
Thunder ⚡ Mist ☁
Lightning ⚡ Thunderstorm ☁



AIR MINISTRY.

METEOROLOGICAL OFFICE, LONDON.

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

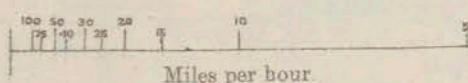
Pressure.—The distribution of barometric pressure at Mean Sea Level is shown by means of isobars which are drawn for intervals of 2 millibars on the British Section of the Report and for intervals of 4 millibars on the International Section.

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 $\frac{1}{2}$ 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 × 10⁷ Charts.
or 2 mb " " 1 : 10⁷ " "
or 1 mb " " 1 : 5 × 10⁶ " "



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 10° 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 $e' = e - A(t - t')$ 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 formulae 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:—

Air pressure 400 mb.						Air pressure 600 mb.					
Dry Bulb. °F.	Depression of			wet bulb.		Dry Bulb. °F.	Depression of			wet bulb.	
	5°	10°	15°	20°	25°		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.

Air pressure 800 mb.						Air pressure 1000 mb.					
Dry Bulb. °F.	Depression of			wet bulb.		Dry Bulb. °F.	Depression of			wet bulb.	
	5°	10°	15°	20°	25°		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.
- C₁C₂—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.)

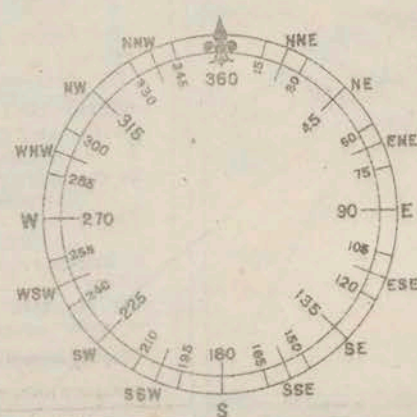
Fifth column. Direction. This indicates the direction from which the maximum intensity of atmospherics is proceeding. Directions are given in degrees (see diagram below).

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

OCTOBER.

NOVEMBER.

DECEMBER.

STATIONS.	PRESSURE 1906-1915. 7 a.m. Observations (reduced to M.S. Level).	AIR TEMPERATURE.						RAINFALL 1881-1915.		BRIGHT SUNSHINE. 1881-1915.					
		Means of			Absolute Extremes.			Days with Rain.	Total Fall.	Daily Mean.	Per Centage of Possible Duration.				
		1906-1915.	1881-1915.		1881-1915.										
		Dry Bulb 7 a.m.	Daily Maximum.	Daily Minimum.	Maximum.		Minimum.								
					Temp.	Year.	Temp.	Year.							
Lerwick	mb. 1011.2	47.3	50.1	42.3	63	1908	28	1887	24	mm. 100	in. 3.95	hr. 2.77	% 28		
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	—	—		
Blackod 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		
Seilly (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	—	—		
Dunegness	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	[3.20]‡	[33]‡		
Aberdeen	1012.2	46.6	52.8	41.7	74	1881	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		
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]¶	—	—		
Blackod 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	76	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		
Seilly (St. Mary's)	1013.2	48.7	53.2	46.3	61	1898	29	1890	20	81	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	51.0	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	—	—		
Dunegness	1012.2	44.4	50.7	40.7	63	1899	17	1890	16	70	2.75	—	—		
Dover	[1012.9]§	[42.9]§	[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	2.05	1.83	23		
Leith	1009.0	42.0	48.5	38.0	61	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		
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.)	[1003.5]§	[44.1]§	[46.9]§	[40.1]§	[54]§	[1912]§	[26]§	[1912]§	[26]§	[146]§	[5.74]§	[0.77]§	[12]§		
Eskdalemuir	[1003.9]¶	[36.7]¶	[42.1]¶	[34.0]¶	[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]¶	[81]¶	[3.55]¶	—	—		
Blackod Point	1003.0	44.4	47.5	39.9	[59]¶	[1899]¶	[25]¶	[1906]¶	[25]¶	[155]¶	[6.12]¶	—	—		
Valencia	1005.8	45.4	49.8	41.1	57	1884, 88, 99, 1900	24	1886	26	169	6.04	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	3.20	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 (

§ Results for 30 years, 1886-1915.
 † " " 16 " 1900-1915.

Notes on the Weather of DECEMBER, 1921.

Rain fell fairly frequently but the measurements were generally small in England and the East of Scotland and therefore had no very marked effect upon the year's total: 308mm at Kew is the lowest aggregate for the whole year since records were made there in 1866 and is in fact little more than three quarters of the previous record value, 422mm in 1870.

Reference to the table of extremes on the next page will show that temperature rose very high for the time of year: at Aberdeen 58° on the 8th equalled the record value of 15th December 1873 and at Esdalemuir 53° was the highest December value in the twelve years 1910 - 1921.

Gales were of very frequent occurrence during the latter half of the month on exposed parts of the coasts and at times spread inland also. A gust of 25.3 m/s or nearly 57 miles per hour was recorded at Kew Observatory at 7.15 p.m. on 30th.

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

SUMMARY OF RECORDS OF TEMPERATURE, SUNSHINE.

Equivalents of Temperature.		TEMPERATURE.										Number of Ground Frosts.	Low Cloud.																				
		Number of daily readings within fixed limits.											Extremes:—Warmest and Coldest Days. Nights.								Number of observations within fixed limits.												
		Maximum. †					Minimum. †						Highest Maximum.		Lowest Maximum.		Highest Minimum.		Lowest Minimum.		1h.		7h.		13h.		24h.						
A°. F°.	32° or below	33°	41°	50°	59°	23° or below	24°	32°	41°	50°	59°	Highest Maximum.	Date.	Lowest Maximum.	Date.	Highest Minimum.	Date.	Lowest Minimum.	Date.	Below 1,500 ft.	1,500-5,000 ft.	5,000-10,000 ft.	Below 1,500 ft.	1,500-5,000 ft.	5,000-10,000 ft.	Below 1,500 ft.	1,500-5,000 ft.	5,000-10,000 ft.	Below 1,500 ft.	1,500-5,000 ft.	5,000-10,000 ft.		
STATIONS.												°F		°F		°F		°F		Observations at 1h. were not taken on 25 th 26 th in most cases - see note p. 1000													
Aberdeen	...	0	5	18	8		0	0	24	6	1	58	8	37	24	51	6	33	24	28	14	*	*	*	0	23	1	0	22	3	0	15	3
Inchkeith	...	0	5	14	12		*	*	7	*	*	54	6	38	4	50	6	*	*		3	*	*	*	*	*	*	*	*	*	*	*	*
Renfrew	...	1	1	17	12		2	1	18	9	1	54	6	26	4	51	6	22	4		8	*	*	*	3	25	0	6	23	1	6	20	1
Eskdalemuir	...	0	10	18	3		1	7	15	8	0	53	8	35	29	47	10	22	5		10	*	*	*	10	18	0	13	17	0	16	11	0
Tynemouth	...	0	4	15	12		0	2	17	12	0	55	6	38	24	50	8	31	24		*	0	6	0	0	14	2	0	20	3	0	11	3
Howden	...	*	*	*	*		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	...	0	5	18	8		0	8	14	9	0	57	28	37	4	50	19	24	5		7	8	14	3	9	18	2	4	21	1	4	21	1
Yarmouth	...	0	6	15	10		0	2	16	13	0	58	28	33	5	49	7	27	5		2	0	13	6	0	14	9	0	18	8	0	9	8
Nottingham	...	0	5	13	13		0	5	14	11	1	56	28	37	4	52	19	26	4		7	*	*	*	7	14	0	4	21	0	2	17	0
L. of Grain	...	0	5	13	13		1	4	14	12	0	57	28	36	5	50	19	22	5		9	*	*	*	5	23	1	5	18	3	3	19	0
Benson...	...	0	6	12	13		0	9	12	10	0	55	28	37	24	48	19	26	26		13	*	*	*	*	*	*	*	*	*	*	*	
London (Kew Obs.)	...	0	5	13	13		0	4	11	15	1	57	28	36	5	52	19	30	26		5	*	*	*	2	27	0	0	22	3	0	19	0
Croydon	...	0	6	11	14		0	5	11	14	1	57	27	36	4	51	19	29	5		5	5	18	0	12	16	0	7	21	2	6	16	0
Chester (Shotwick)	...	0	5	11	15		1	7	9	12	2	57	26	34	4	53	19	21	4		*	*	*	*	20	10	0	15	16	0	12	15	0
Bidston	...	0	2	14	15		0	3	15	13	0	57	27	35	4	50	22	28	4		10	*	*	*	2	29	0	2	26	0	1	2	0
Holyhead	...	0	0	13	18		0	1	7	17	6	55	28	42	3	53	9	32	4		2	11	12	0	6	24	0	5	24	0	4	26	0
Falmouth	...	0	1	7	23		0	0	9	19	3	56	27	40	4	52	18	35	24		1	*	*	*	*	*	*	*	*	*	*	*	
Calshot	...	0	2	15	14		0	3	10	18	0	56	18	39	3	50	19	31	5		2	5	19	0	8	20	0	4	22	0	5	19	1
Lympne	...	0	6	16	9		1	4	14	12	0	55	17	33	4	48	19	21	5		7	12	7	0	19	8	2	17	10	3	10	13	1
Dublin (Phoenix Park)	...	0	0	13	18		1	2	15	10	3	57	26	43	4	53	12	23	4		4	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnel	...	0	2	16	13		0	3	16	10	1	55	26	40	4	52	6	24	4		5	7	16	2	6	24	0	4	25	0	5	21	0
Birr Castle	...	0	0	16	15		0	1	11	16	3	56	26	42	29	51	9	30	24		4	*	*	*	11	19	0	6	24	0	12	19	0
Valencia	...	0	0	10	21		0	0	5	17	9	56	26	48	2	55	6	37	2		0	*	*	*	13	18	0	9	21	0	12	19	0

UPPER AIR TEMPERATURE.										MINIMUM SURFACE HUMIDITY.									
		BALDONNEL.		Leuchars		S. FARNBORO'.		ANDOVER.		No. of Days with Minima between Fixed Limits.									
Pressure.	Normal Height.	Mean.	No. of Reports.	Mean.	No. of Reports.	Mean.	No. of Reports.	Mean.	No. of Reports.	Station	95-100%	90-94%	80-89%	70-79%	60-69%	50-59%	40-49%	30-39%	20-29%
mb.	feet.	*F.	*F.	*F.	*F.	*F.	*F.	*F.	*F.	Renfrew	1	0	13	11	5	1	0	0	0
950	1730	35	40	5	44	7	45	2	41	Eskdalemuir	0	2	7	13	6	2	8	0	0
850	1640	29	32	4	35	8	39	2	34	Valencia	0	0	2	11	10	4	0	0	0
750	1570	21	22	4	26	8	37	1	26	Falmouth	0	3	9	7	8	3	0	0	0
650	1490	9	13	4	14	7	26	1	12	Aberdeen	0	0	3	8	17	*	*	*	0
550	1360	-4	-	0	-	0	9	1	-9	Leith	*	*	*	*	*	*	*	*	0
										Benson	0	1	10	14	4	2	3	0	0
										London (Kew Obs.)	0	0	13	11	3	3	0	0	0

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.

TELEGRAPHIC CODE.

REMARKS ON CHART OF ISOPLETHS FOR December, 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 show 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.

At the beginning of the month high pressure over Scandinavia caused Easterly winds and cold weather over the Eastern parts of the British Isles but later as the anticyclone withdrew southwards depressions from the Atlantic passed Eastwards to the Baltic and generally mild unsettled conditions prevailed over a wide area. High winds and gales occurred repeatedly towards the end of the month and were very general in England on Friday, the 30th.

Figure Distance of Visibility (Yards).

0	less than 55 yds
1	" " 220 yds
2	" " 550 yds
3	" " 1,100 yds
4	" " 1,650 yds
5	" " 2,200 yds
6	" " 2,750 yds
7	" " 3,300 yds
8	" " 3,850 yds
9	beyond 4,400 yds

— = 1,020 mb. - - - - - = 1,000 mb. x - x - x - x = 980 mb. — o — o — o — o = 960 mb.

† Rain gauge exposure not normal, Shoeburyness total 230 mm.

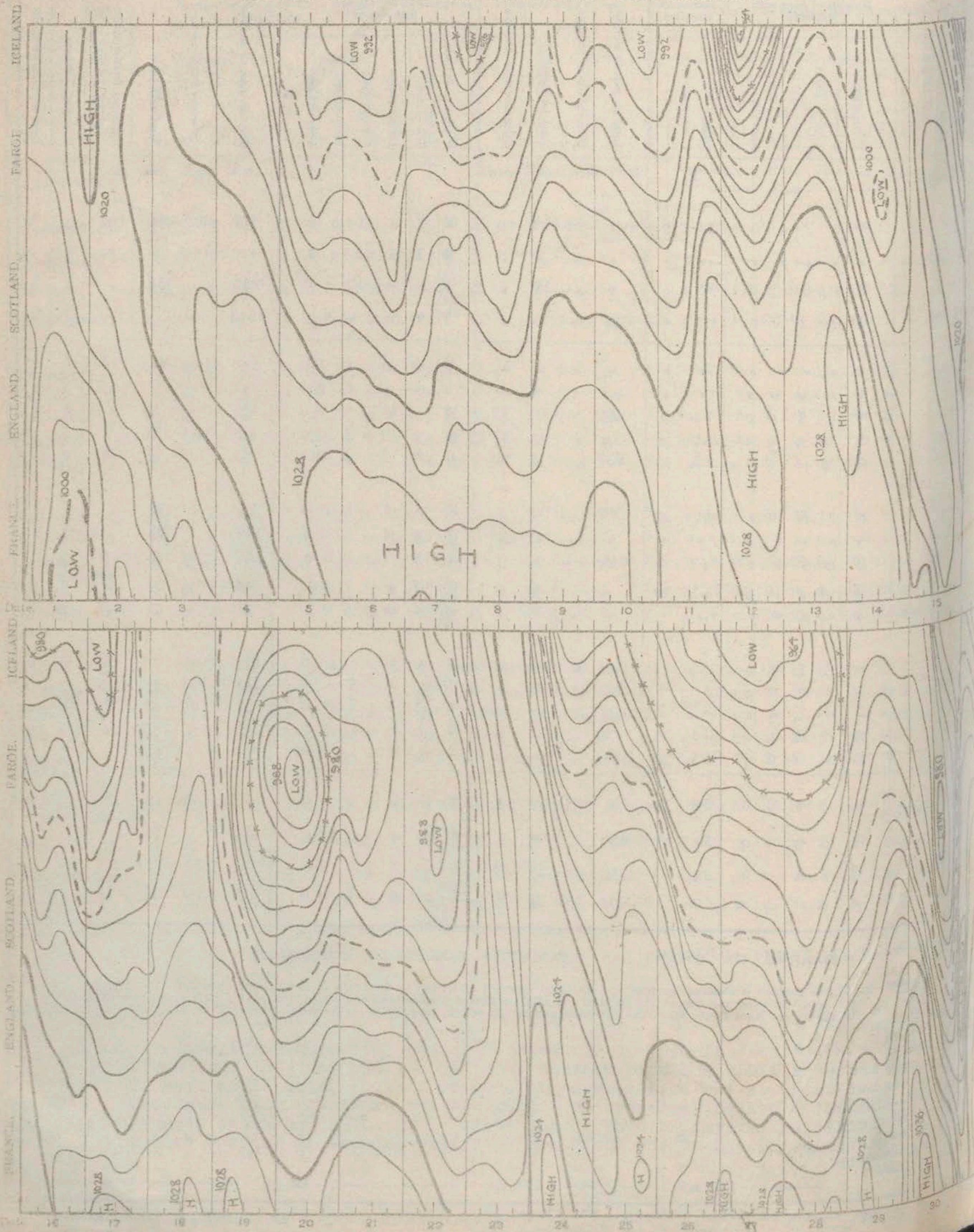
G. C. SIMPSON, F.R.S., Director.

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

PRESSURE: ICELAND TO GULF OF LIONS DECEMBER

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.21,924

THURSDAY, 1st DECEMBER, 1921.

Page 1.

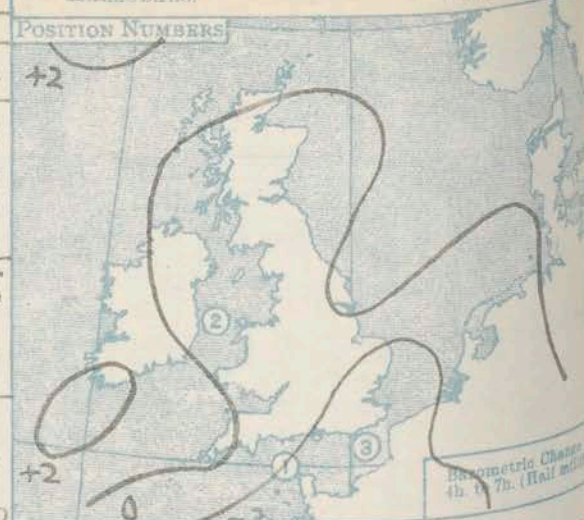
STATIONS.	Observations at 1300 G.M.T. 30 th Nov.														Observations at 1800 G.M.T. 30 th Nov.																
	Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp.	Humidity.	Visibility.	Height of low cloud.	Cloud.			Sea.	Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp.	Humidity.	Visibility.	Height of low cloud.	Cloud.			Sea.					
			Direc.	Force.						Form.	Amt.	Total Amt.				Direc.	Force.						Form.	Amt.	Total Amt.						
																											0-12.	0-10.	0-10.	0-10.	0-10.
Lerwick	1016.1	0	SSW	3	for	46	97	3	-	-	0	AS	10	0	0	SSW	3	off	45	97	6	-	-	0	AS	10	2				
Southway	1009.0	0	E	2	br	51	75	7	-	-	0	C	1	0	0	E	2	br	47	75	7	1500	SV	2	-	2	1				
Wick	1013.3	+1	SSE	4	mo	47	92	6	450	SV	10	-	10	0	0	SE	4	br	47	85	9	800	SV	6	-	6	4				
Cardiff	1005.7	-3	ESE	5	o	50	75	6	2500	SV	10	-	10	0	0	SE	6	br	49	55	8	4000	SV	3	-	3	6				
Edinburgh	1014.4	-1	SE'S	3	cif	47	85	6	1500	SV	7	-	7	0	0	ESE	1	br	40	75	8	1500	SV	2	-	2	3				
Malin Head	1002.0	-6	SE	4	ct	47	75	8	4000	Cu	4	AS	8	0	0	SE'S	4	br	44	85	7	1500	SV	3	-	3	3				
Wexford	1008.9	-4	NE	4	c	46	85	6	2500	SV	4	AS	8	0	0	SE	5	c	44	92	6	4000	Cu	4	AS	8	5				
Wick	1011.6	-3	E	5	o	45	85	8	-	-	0	AS	10	0	0	NE	4	br	41	85	6	-	-	0	AS	8	0				
Wick	1009.9	-2	NE	3	c	41	65	7	-	-	0	AS	10	0	0	SE	3	br	43	85	8	-	SV	1	-	1	0				
Wick	1012.3	-2	S	3	bc	45	92	7	4000	Cu	6	-	6	0	0	N	4	br	37	85	7	2500	SV	1	-	1	0				
Blackpool	1005.9	-2	SE	5	br	47	65	8	-	-	0	AS	10	0	0	SE	3	br	43	85	7	4000	SV	2	-	2	3				
Blackpool	998.8	-	E	3	ct	45	85	6	2500	Cu	8	-	8	0	0	SSE	5	br	43	75	8	5750	SV	4	-	4	7				
Blackpool	1001.5	-3	SE	6	o	44	75	7	2500	SV	5	AS	9	0	0	E	3	ct	45	92	5	800	SV	9	-	9	0				
Blackpool	1003.3	-3	ESE	4	c	44	75	7	-	-	0	AS	10	0	0	SE'E	5	ct	44	85	7	2500	SV	8	-	8	0				
Blackpool	1007.6	-2	SE'E	5	br	33	85	7	4000	Cu	3	-	3	0	0	ESE	3	br	39	85	8	4000	SV	4	-	4	4				
Blackpool	1007.4	-3	SE	5	o	32	75	7	800	SV	6	AS	9	0	0	ESE	3	c	32	85	5	1500	SV	8	-	8	3				
Blackpool	1011.8	-3	SE	3	br	39	85	6	1500	SV	3	-	3	0	0	SE	2	br	31	85	3	1500	SV	3	-	3	0				
Blackpool	1011.9	-2	SE	4	c	41	92	6	4000	Cu	7	-	7	0	0	SE'E	1	br	35	97	5	1500	SV	2	-	2	0				
Blackpool	1010.6	-	SE	3	c	33	85	7	1500	Cu	4	AS	7	0	0	SE	5	br	43	92	6	1500	SV	2	-	2	3				
Blackpool	1011.8	-4	ESE	4	c	35	85	6	800	SV	7	-	7	0	0	E	3	br	33	92	6	-	0	AS	2	-	2	0			
Blackpool	1013.2	-2	SE'S	4	br	41	75	7	-	-	0	AS	10	0	0	E'N	3	br	33	97	5	4000	SV	1	AS	2	0				
Blackpool	1012.9	-2	SE'E	3	br	40	85	6	4000	Cu	3	-	3	0	0	SE'E	5	o	42	85	7	-	0	AS	10	6	0				
Blackpool	1012.7	-4	E'S	4	br	40	85	8	-	-	0	AS	10	0	0	E	1	br	35	92	6	4000	SV	6	-	6	0				
Blackpool	993.4	+6	S	5	o	51	75	8	1500	SV	5	AS	10	0	0	ESE	4	br	37	85	8	2500	SV	2	-	2	3				
Blackpool	996.6	0	SE	5	od	49	92	5	1500	SV	10	-	10	0	0	S'W	3	c	47	75	8	1500	SV	2	AS	8	4				
Blackpool	1000.7	-3	E	6	c	44	92	8	1500	SV	2	AS	8	0	0	N	2	od	46	92	7	1500	SV	10	-	10	5				
Blackpool	1007.9	-4	E	3	o	34	85	6	1500	SV	10	-	10	0	0	E	8	o	41	97	8	2500	SV	10	-	10	6				
Blackpool	1009.0	-3	ESE	3	mo	34	85	4	-	SV	10	-	10	0	0	E'NE	2	br	31	85	6	1500	SV	6	-	6	0				
Blackpool	1009.2	-3	E	4	br	37	85	7	4000	Cu	3	-	3	0	0	NE	1	o	35	85	4	-	SV	10	-	10	0				
Blackpool	1009.6	-5	ESE	3	off	34	85	7	2500	SV	9	-	9	0	0	E	3	o	33	85	5	5750	SV	5	AS	10	0				
Blackpool	1010.7	-4	E	3	o	34	85	5	800	SV	8	-	8	0	0	E	3	o	32	92	5	450	SV	10	-	10	0				
Blackpool	1010.6	-4	ESE	4	mb	39	75	5	-	-	0	AS	1	0	0	ESE	4	br	36	92	6	4000	Cu	5	-	5	0				
Blackpool	1010.4	-4	E	4	br	37	85	6	-	-	0	C	3	0	0	SE	4	mo	33	85	5	2500	SV	10	-	10	0				
Blackpool	1010.2	-5	E	4	br	35	97	6	450	SV	1	AS	4	0	0	ESE	3	for	31	97	3	450	SV	10	-	10	0				
Blackpool	997.7	-1	SW'W	1	or	49	97	7	800	SV	10	-	10	0	0	SE	3	ffo	31	97	2	450	SV	10	-	10	0				
Blackpool	999.2	-5	SE	6	o	48	97	6	800	SV	10	-	10	0	0	S'E	1	or	49	97	7	800	SV	10	-	10	6				
Blackpool	1001.3	-4	E	5	o	46	97	7	1500	SV	10	-	10	0	0	SSE	6	or	50	97	7	-	SV	10	-	10	0				
Blackpool	1003.9	-4	E	8	o	47	85	7	450	SV	10	-	10	0	0	ESE	2	o	49	92	8	800	SV	10	-	10	3				
Blackpool	1006.6	-4	E	6	o	42	85	7	1500	SV	9	-	9	0	0	ESE	8	o	46	85	7	450	SV	10	-	10	8				
Blackpool	1010.3	-3	SE	4	mo	33	97	5	450	SV	10	-	10	0	0	E'NE	5	o	39	92	5	1500	SV	10	-	10	3				
Blackpool	1003.8	-3	E'NE	5	o	43	85	8	4000	SV	10	-	10	0	0	SE	4	for	31	97	3	450	SV	10	-	10	4				
Blackpool														0	0	E'NE	5	or	44	85	8	1500	SV	10	-	10	3				

LONDON OBSERVATIONS.										WEATHER.				TEMPERATURE.				RAIN-FALL.		SUN-SHINE.		HUMIDITY.		ATMOSPHERIC POLLUTION.		SOLAR RADIATION.		POLE STAR RECORD at Greenwich Obsy.												
										Morning.			Afternoon.			Night.			Max.		Min.		Min. on Grass.		Day.		Night.		15h.		9h.		Lbs. of Solid Impurity per million cubic yards.		Vertical component per square centimetre.		Exposure from			
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SUMMARIES FOR THE PAST 24 HOURS

ISALOBARS.

STATIONS.	WEATHER.				TEMPERATURE.			RAINFALL.				SUN.
	7h.-13h.	13h.-19h.	19h.-24h.	1h.-7h.	MAX. Day.	MIN. Night.	MIN. on GRASS.	Day. 7h.-13h.	Night. 13h.-7h.	Precipitation began.	Precipitation began.	Hours.
Lerwick	form	form	bc bc	bc bc	48	42	.	-	-	-	-	2.5
Stornoway	bc bc	bc bc	bc bc	bc bc	50	40	.	-	-	-	-	0.0
Wick	omm	bc bc	bc bc	bc	48	46	.	-	-	-	-	3.8
Castlebay	c	c	bc bc	bc bc	51	46	.	-	-	-	-	0.1
Nairn	c	c	bc bc	bc bc	48	35	.	-	-	-	-	0.4
Aberdeen	of d. cm	cim b	bc bc	bc bc	47	44	40	Trace	-	4.0800	-	0.0
Malin Head	cq	cq	bc bc	bc bc	48	42	.	-	-	-	-	0.0
Renfrew	omm	omm	bc bc	bc bc	47	39	35	-	-	-	-	4.1
Inchkeith	c	c	bc bc	bc bc	47	41	35	-	-	-	-	.
Eskaudemuir	o. b. bc	o. e. z. b	bc	bc	45	35	32	-	-	-	-	.
Tynemouth	cim	bc bc	bc bc	bc bc	46	43	.	-	-	-	-	.
Blackhead Point	bc bc	bc bc	bc bc	bc bc	49	43	.	Trace	-	0.630	-	0.0
Donaghadee	c. o	c. o. r.	cir	c	45	42	40	0.2	4	1530	2200	3.1
Birr Castle	bc bc	c	omm	omm	46	40	39	-	7	-	2200	1.0
Baldonnell	bc bc	c. b. c	bc bc	omm	45	38	36	-	3	-	2400	3.5
Holyhead	c	c	bc bc	omm	40	32	23	-	-	-	-	2.6
Liverpool (Bidston)	bc bc	form	omm	omm	39	30	20	-	-	-	-	3.1
Chester (Shotwick)	bc bc	omm	omm	omm	43	40	30	-	-	-	-	1.0
Howden	c	bc bc	omm	omm	39	30	20	-	-	-	-	4.1
Spurn Head	bc bc	bc bc	omm	omm	43	40	30	-	-	-	-	4.5
Nottingham	c	bc bc	omm	omm	34	32	30	-	-	-	-	4.0
Cranwell	cim	bc bc	omm	omm	36	31	28	-	0.1	-	0530	0.0
Gorleston	c	bc bc	omm	omm	42	36	35	-	-	-	-	0.5
Palham	c	c	omm	omm	41	32	23	-	-	-	-	1.7
Felixstowe	c	bc bc	omm	omm	41	33	33	-	-	-	-	0.0
Valencia (Cabireiven)	omm	c	c	b	53	38	36	3	-	4.0800	-	0.0
Roches Point	omm	omm	omm	omm	53	47	10	5	-	0.900	42100	0.5
Pembroke (St. Ann's H.)	cq	omm	omm	omm	45	41	.	0.6	-	-	2200	0.0
Ross-on-Wye	omm	c. o. d. m	omm	omm	35	31	27	-	11	-	2100	0.0
Benson	omm	omm	omm	omm	35	32	29	-	3	-	2400	2.0
S. Farnborough	c	bc bc	omm	omm	38	31	29	-	5	-	2400	0.5
London (New Obsy.)	omm	omm	omm	omm	36	32	31	-	2	-	0430	1.7
Croydon	omm	omm	omm	omm	35	30	30	-	2	-	0430	4.5
Olaeton-on-Sea	c	bc bc	omm	omm	40	34	33	-	-	-	-	3.8
Shoeburyness	bc bc	form	omm	omm	40	30	30	-	1	-	0230	3.7
Grain	form	c	omm	omm	37	28	28	-	2	-	0530	4.0
Lympne	bc bc	omm	omm	omm	36	29	28	-	3	-	0330	0.0
Scilly (St. Mary's)	omm	omm	omm	omm	51	44	.	9	3	4.0800	42100	0.0
Falmouth (Pendennis)	omm	omm	omm	omm	51	40	.	10	1	1330	42100	0.4
Plymouth	omm	omm	omm	omm	49	42	39	7	8	-	42100	0.0
Portland Bill	omm	omm	omm	omm	52	44	.	5	-	-	42100	1.7
Calshot	c	omm	omm	omm	44	38	37	-	7	-	2200	0.0
Dungeness	off.	FF	omm	omm	37	30	.	3	-	-	0230	0.0
Jersey	omm	omm	omm	omm	44	44	.	0.5	2	1630	42100	0.0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind.		Weather.	Temp.	
			Dir.	Force.		Air.	Sea.
6	20 0304	Dieppe	SE	2	b	52	35
7	0315	Lorina	SE	4	bc	56	43
8	1005	Anglia	SE	7	bc	54	35
9	0300	Arundel	SE	4	bc	42	32

GENERAL INFERENCE.

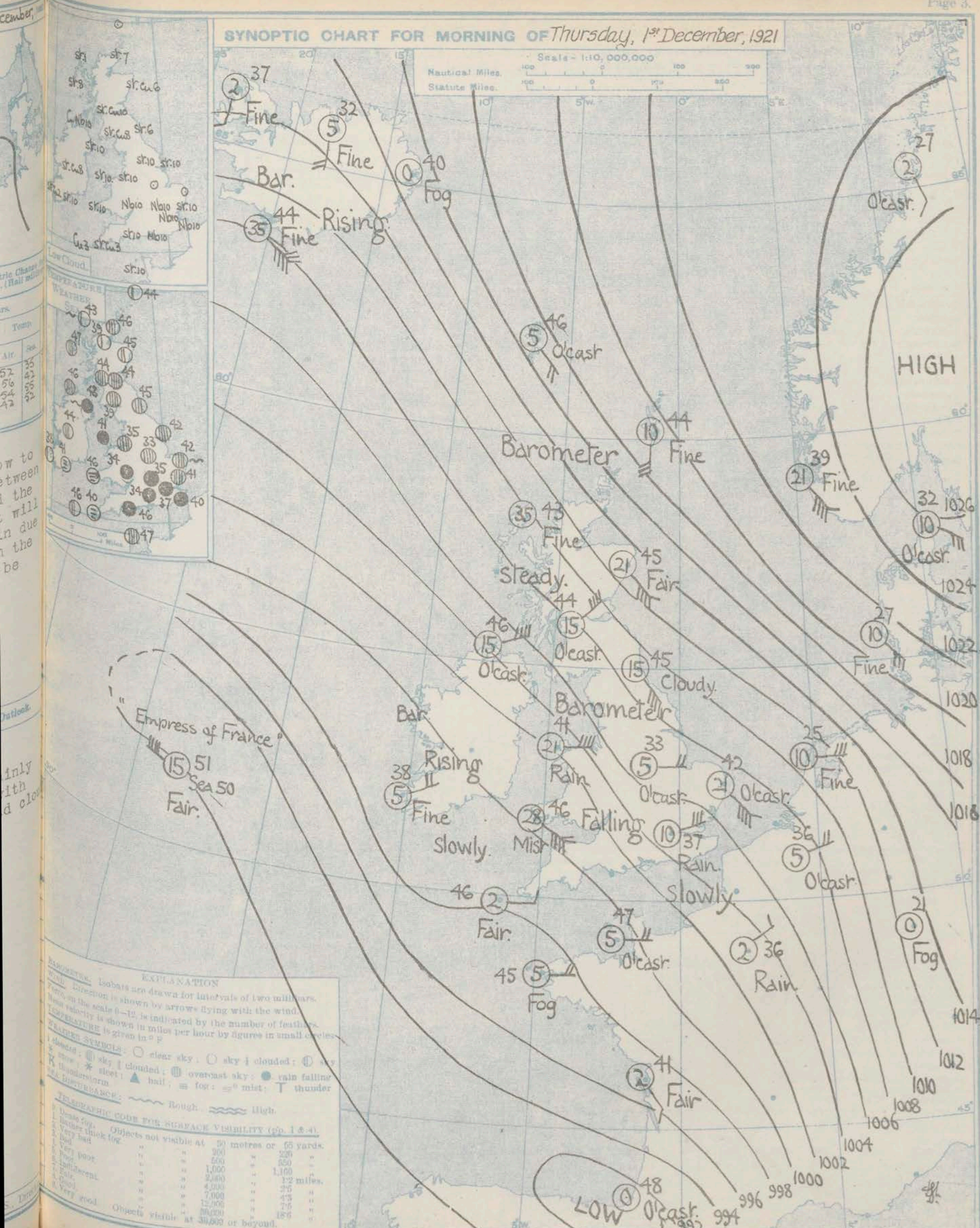
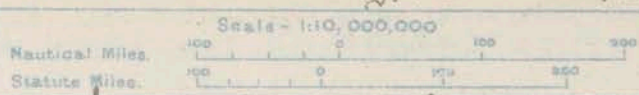
Pressure continues low to the South-West and high between Iceland and the Baltic and the cold Easterly wind current will be maintained. Local rain due to upper air currents from the South or South-West is to be anticipated.

Further Outlook

Districts.	Forecasts for the 24 hours commencing 15h. GMT. Thursday, 1st December, 1921.
1. S.E. England	Wind Easterly moderate; dull, some rain then fairer; local mist; rather cold.
2. E. England	
3. E. Midlands	
4. W. Midlands	Wind Easterly or variable, light to moderate; mainly fair at first probably some rain later; local mist; rather cold.
5. S.W. England	
6. South Wales	
7. North Wales	Wind Easterly moderate, fresh in places; dull, some rain; visibility mainly indifferent; rather cold.
8. N.W. England	
9. N. Midlands	
10. N.E. England	Wind South-East or East moderate to fresh; mainly fair; visibility fair; rather cold.
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	As for 4 - 6.
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	As for 7 - 13.
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	As for 7 - 13.
20. S.W. Ireland	

Winds mainly Easterly with rather cold close weather.

SYNOPTIC CHART FOR MORNING OF Thursday, 1st December, 1921



EXPLANATION

ISOBARS. 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.
TEMPERATURE is shown in miles per hour by figures in small circles.
RELATIVE HUMIDITY is given in %.

CLOUD SYMBOLS:

☉	clear sky,	⊙	sky ☿ clouded;	☼	sky ☼ cloudy;
☽	cloudy;	☾	sky ☾ overcast sky;	☿	rain falling
☿	snow; *	☼	sheet;	☽	thunderstorm
☼	hail;	☽	fog;	☼	mist;
☼	T	thunder			

SEA SURFACE: ~~~~~ Rough. ~~~~~ High.

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

Objects not visible at	50 metres or 65 yards.	100 metres or 110 yards.	1,000 "	1,600 "	12 miles.
1. Dense fog.	"	"	900	320	"
2. Thick fog.	"	"	500	350	"
3. Fog.	"	"	500	350	"
4. Very poor.	"	"	1,000	1,100	"
5. Poor.	"	"	2,000	"	"
6. Fairly good.	"	"	4,000	"	12 miles.
7. Good.	"	"	7,000	"	25 "
8. Very good.	"	"	12,000	"	45 "
9. Excellent.	"	"	20,000	"	75 "
10. Perfect.	"	"	30,000	"	185 "

Objects visible at 30,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4.

BRITISH SECTION. THURSDAY, 1st DECEMBER, 1921.

No. 235.

STATIONS.	Observations at 0100 G.M.T. 1 st Dec.....													Observations at 0700 G.M.T. 1 st Dec.....																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	Barom. at M.S.L. m.b.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %.	Visibility. 0-9.	Height of Low Cloud. Feet.	Cloud.			Sea.	Barom. at M.S.L. m.b.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %.	Visibility. 0-9.	Height of Low Cloud. Feet.	Cloud.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
			Direc.	Force.						Form.	Amt.	Total Form.				Total Amt.	Direc.						Force.	Form.	Amt.	Total Form.	Total Amt.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
																												0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	

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

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. Day.	Min. Night.	Night 12h-3h.	Day 3h-12h.	Sunrise to Sunset.			Forenoon.	Afternoon.	Max. Day.	Min. Night.	Night 12h-3h.	Day 3h-12h.	Sunrise to Sunset.	
Banff	m. o	c. bc. b	47	38	0.1	-	0.0		Paignton	bcg. p	op. ory	50	45	-	-	0.6	
Montrose	of	of	48	35	0.2	-	0.0		Ilfracombe	c. bc. c	c. o	45	41	-	-	1.0	
									Bude	bc.	c. or	48	42	-	-	0.7	
									Penzance	og	or	51	49	0.2	-	0.0	
Llandudno	m. b.	bm	39	37	-	-	1.8		Torquay	o. bc. o	o	50	45	-	0.2	1.0	
Colwyn Bay	bc. c. bc	bc. c.	46	36	-	-	3.2		Weymouth	c	c	47	44	-	-	0.0	
Rhyl	c	c	35	34	-	-	0.6										
Southport	b. bc	bc. c. o	39	36	-	-	2.5		Bournemouth	b. s	o	44	41	-	-	3.0	
Blackpool	c.	bc	38	37	-	-	0.6		Portsmouth (S. thea)	bc	o	43	39	-	-	0.0	
Harrogate	o. c	c. o	35	33	0.1	-	0.0		Worthing	c. o	o	41	37	-	-	0.0	
Skegness	c. bc. b	bc. b	41	35	-	-	3.8		Brighton	o	o	43	36	-	-	0.0	
									Eastbourne	o	o	39	37	-	-	0.1	
Aberystwyth	o. c	c. og	43	35	-	-	2.5										
Bath	c. bc. b	b. bc. c. o	41	35	-	-	3.1		Hastings	o	f. om	36	34	-	-	0.0	
Leamington Spa	o	o	35	26	-	-	0.0		Folkestone	bc.	c. o	37	29	-	-	3.3	
Lowestoft	c. bc. c	c. bc. c	44	35	-	-	4.4		Tunbridge Wells	o	o	36	30	-	-	1.4	
Felixstowe	og	bcm	41	34	-	-	4.5		Ramsgate	bc.	bc	36	30	-	-	3.3	
Southend	o. e.	bc. c	39	30	-	-	3.7		Margate	o. bc	bm	37	30	-	-	3.0	
									Deal	m. o. c	c. om	34	31	-	-	2.0	

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B.21925

FRIDAY, 2nd DECEMBER, 1921.

Page 1.

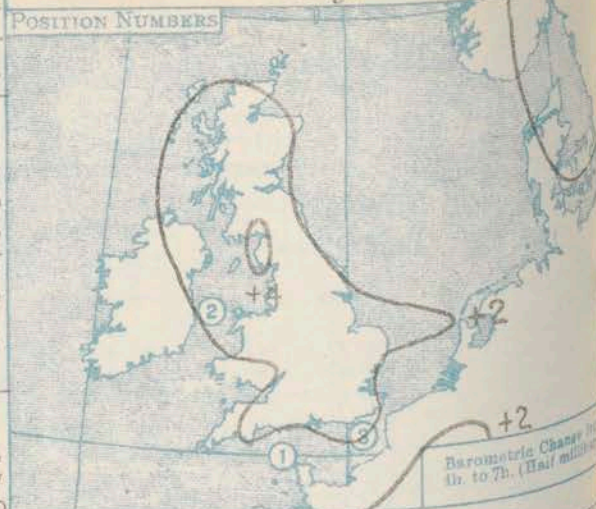
STATIONS.	Observations at 1300 G.M.T.													Observations at 1800 G.M.T.												
	Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.				
			Dir.	Force						Form.	Amt.	Dir.			Force	Form.						Amt.				
																							0-12	0-10	0-10	0-10
Lewick	1022.5	0	SE	3	04	44	88	8	-	St.Cu	9	-	9	1022.6	+3	SE	4	04	43	75	6	-	St.Cu	10	-	10
Stornoway	1010.4	+1	E	4	04	47	75	7	4000	Nb	7	-	7	1012.3	+4	E	4	04	44	75	7	-	-	0	-	0
Wick	1015.5	+3	SE	6	0	46	75	7	5750	St.Cu	10	-	10	1016.6	+2	SE	6	0	45	97	8	4000	St.Cu	9	-	9
Castellary	1008.3	+2	E	4	0	48	65	6	800	St	10	-	10	1010.4	+2	E	4	0	47	65	6	800	St	10	-	10
Aberdeen	1007.7	+1	SE	5	04	45	75	7	2500	St.Cu	10	-	10	1014.7	+2	E	4	04	42	75	8	1500	St.Cu	9	-	9
Kaila Head	1004.8	+4	ENE	4	04	44	92	7	4000	Nb	10	-	10	1006.4	+4	ENE	4	04	44	92	7	4000	Nb	5	-	5
Benfrew	1004.4	+1	NE	3	0	44	75	4	1500	St.Cu	10	-	10	1010.5	+2	NE	4	0	45	85	6	2500	St.Cu	10	-	10
Blackhill	1010.6	+3	ESE	4	0	44	85	6	-	St	10	-	10	1011.3	+2	ESE	4	0	45	92	9	-	St	10	-	10
Blackburn	1009.5	+1	NE	3	0	40	75	6	1500	St.Cu	8	AST	10	1010.1	+1	NE	4	0	41	85	7	1500	St.Cu	9	-	9
Tynemouth	1009.6	0	SE	4	0	45	92	7	400	St	10	-	10	1009.5	0	SE	5	0	45	92	7	-	0	AST	10	5
Blackhead Point	1006.0	+3	SE	4	06	45	92	8	2500	St	10	-	10	1006.9	+1	SE	4	06	46	92	7	2500	St	10	-	10
Donaghadee	1001.4	0	SW	1	55	43	97	3	4150	St	10	-	10	1004.2	0	W	1	55	44	97	3	4150	St	10	-	10
Bar Castle	1001.8	+1	ENE	3	06	45	92	5	300	St	10	-	10	1005.1	+4	NE	2	06	45	92	7	800	St.Cu	10	-	10
Baldonnel	1002.6	0	E	5	0	42	85	7	4000	St.Cu	6	AST	10	1005.1	+3	E	4	0	42	92	7	4000	St.Cu	10	-	10
Highhead	1004.3	+2	E	3	0	38	85	5	-	0	0	0	1006.1	+2	E	3	0	42	85	5	1500	St	10	-	10	
Liverpool (Bidston)	1004.4	-2	ESE	2	04	38	85	4	1500	St	10	-	10	1005.6	+2	E	1	0	34	92	3	800	St	10	-	10
Chester (Shotwick)	1007.4	0	ESE	2	0	45	85	5	1500	St	10	-	10	1007.2	0	E	3	0	42	92	5	1500	Nb	10	-	10
Howden	1006.9	0	E	5	0	45	92	6	1500	St	10	-	10	1006.5	0	ESE	5	0	45	85	7	450	St	10	-	10
Spurn Head	1004.5	0	ENE	3	04	41	92	6	2500	Nb	10	-	10	1005.8	0	ENE	3	04	41	97	5	2500	Nb	10	-	10
Nottingham	1006.9	0	E	3	0	42	85	6	800	St	10	-	10	1007.3	+2	E	4	0	41	97	5	800	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43	92	5	4000	Nb	10	-	10
Gravelly	1007.6	-1	S	6	04	42	92	7	4000	Nb	10	-	10	1007.1	0	S	6	04	43							

SUMMARIES FOR THE PAST 24 HOURS.

ISAILORARS.

Friday, December 2nd.

STATIONS.	WEATHER.				TEMPERATURE.			RAINFALL.				SUN.
	7h-12h.	12h-1h.	1h-2h.	2h-3h.	MAX. Day.	MIN. Night.	MIN. on GRASS.	Day. 7h-12h.	Night. 12h-7h.	Precipitation began.	Precipitation ended.	
Lerwick	c	oo	oo	c	47	40	.	-	0.2	-	0430	0.0
Stornoway	c	barbc	barbc	c	47	42	.	-	-	-	-	3.2
Wick	sm	oo	oo	oo	47	43	.	-	-	-	-	0.0
Castlebay	b	oo	o	opo	48	44	.	-	-	-	-	0.0
Nairn	oo	oo	c	oo	44	39	.	-	0.2	-	-	0.0
Aberdeen	becog	og	og	og	46	43	41	-	-	-	-	0.0
Malin Head	66g	66g	66g	66g	47	42	.	3	1	1100	12100	0.0
Kenfrew	ogz	ogz	ogz	ogz	45	43	41	-	1.2	-	-	0.0
Inchkeith	oo	oo	oo	oo	45	43	40	-	-	-	-	0.0
Eskdalemuir	oo	oo	orsod	oo	41	39	36	-	3	-	12100	0.0
Tynemouth	ooim	ooim	imp	cimq	46	43	.	-	trace	-	12100	.
Blacksd Point	oimr	omq	omqr	omq	47	47	.	trace	3	10800	12100	.
Donaghadee	of	off	offo	com	45	42	36	-	0.1	-	-	0.0
Birr Castle	cam	odg	domm	oomm	45	38	32	1	-	0900	-	0.7
Baldonnell	rrmo	oo	ocobm	bm	43	41	41	1	-	10800	-	0.0
Holyhead	for m	for m	r d	r d	43	35	29	-	0.5	-	2200	0.0
Liverpool (Bidston)	orddfr	odm	offrm	oprm	39	38	.	1	2	10800	12100	.
Chester (Shotwick)	oo	oo	oo	oo	45	41	34	Trace	2	1530	12100	0.0
Howden	for m	p	p	oo	45	42	36	1	0.3	1330	12100	0.0
Spurn Head	oo	oo	oo	oo	42	39	36	1	1	0900	12100	0.0
Nottingham	66g	66g	66g	66g	42	39	36	0.3	1	1100	12100	0.0
Crapwell	mid	ford	dir	id	42	39	36	0.3	1	1100	12100	0.0
Gorleston	ford	ford	oo	oo	43	38	38	3	-	1100	-	0.0
Fulham	ford	p	oo	oo	42	37	35	2	-	1100	-	0.0
Felixstowe	ford	ford	oo	oo	45	40	39	2	-	0900	-	0.0
Valencia (Cahirovean)	b	b	barbc	barbc	53	37	32	-	-	-	-	6.7
Rothes Point	F	barbc	oo	oo	45	39	.	trace	trace	-	-	0.0
Pembroke (St. Ann's H.)	om	oo	barbc	c	46	38	.	-	-	-	-	0.0
Ross-on-Wye	mom	gidm	idm	rr	39	39	37	1	3	10800	12100	0.0
Benson	rr	66g	ford	rr	41	38	35	5	1	10800	0530	.
S. Farnborough	ford	ford	rrr	rrr	40	39	33	2	2	10800	0130	0.0
London (Kew Obs.)	orddfr	oidg	oo	ogom	42	41	39	4	0.2	10800	0630	0.0
Croydon	ord	obdm	idm	om	40	39	36	3	0.3	10800	2400	0.0
Clacton-on-Sea	ogm	bd	ogm	ogm	45	41	.	1	-	0900	-	0.0
Shoeburyness	ford	ford	c	c	45	39	38	3	-	10800	-	0.0
Grain	ford	ford	p	p	43	39	37	2	0.1	10800	0430	0.0
Lympne	oo	ocobm	omqr	omrrc	42	36	34	2	2	10800	-	0.0
Seilly (St. Mary's)	c	c	c	oo	52	45	.	-	-	-	-	0.1
Falmouth (Pendennis)	cb	cbom	c	comd	50	41	.	0.2	trace	1100	0430	2.6
Plymouth	ford	oo	oo	oo	48	42	40	0.2	-	-	-	0.5
Portland Bill	barbc	ford	ford	ford	46	39	.	1	-	2200	-	0.0
Calshot	ford	ford	ford	ford	43	42	41	Trace	2	10800	2400	0.0
Dungeness	lor	oo	oo	66g	44	40	.	4	0.3	10800	12100	.
Jersey	ob	bo	ford	ogpo	50	46	.	-	3	-	2200	3.8



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind.		Weather.	Temp.	
			Dir.	Force.		Air.	Sea.
2	1st 1000	"Anglia"	ESE	6	op	47	54
3	2nd 0300	"Dieppe"	E	5	rr	45	53

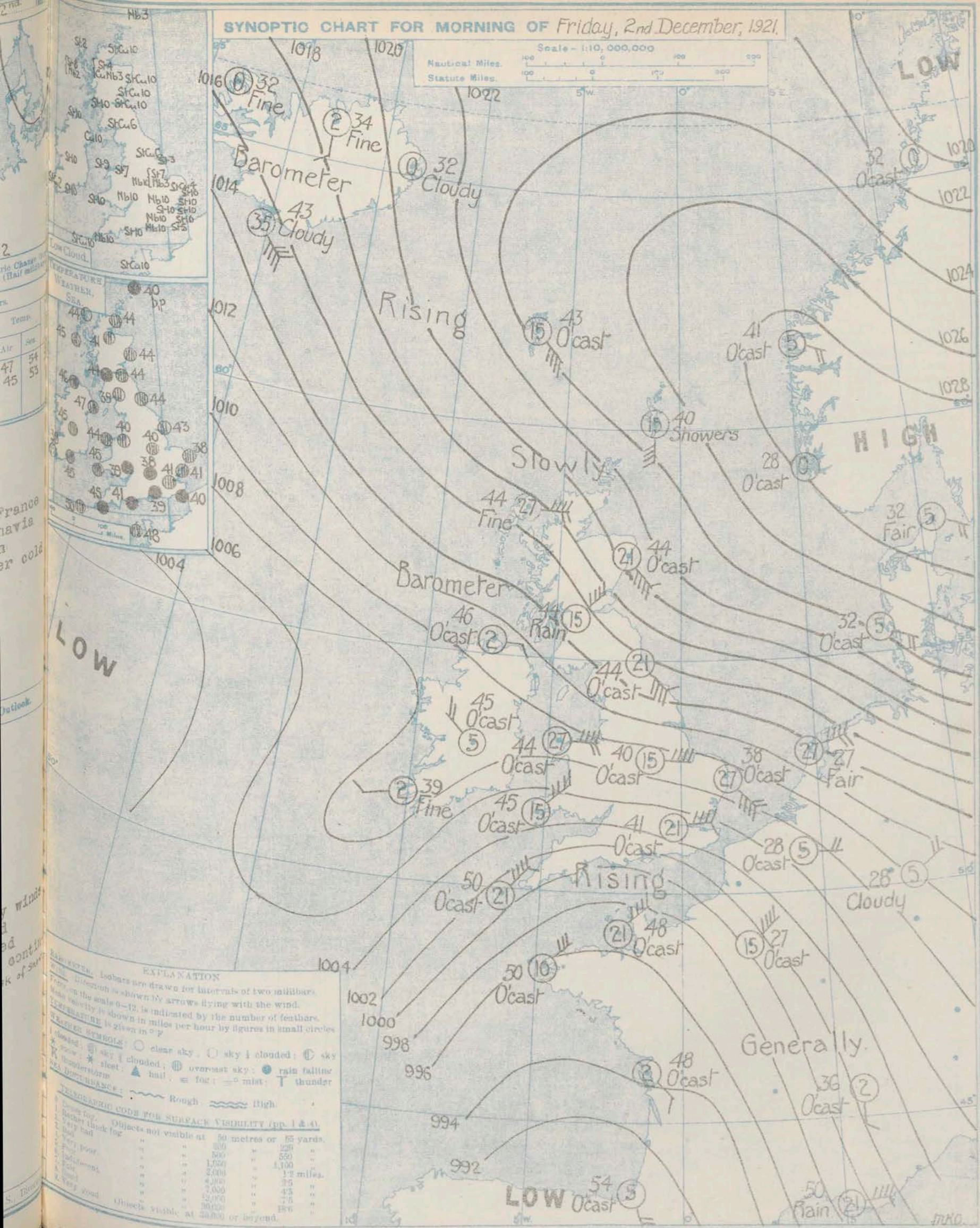
GENERAL INFERENCE.

The depression over France and the high over Scandinavia will continue to maintain Easterly winds with rather cold unsettled weather.

Further Outlook.

Districts.	Forecasts for the 24 hours commencing 15h. GMT. Friday 2nd. December 1921.
1. S.E. England	Wind East or North-East, fresh; much cloud, rain in places; visibility indifferent to fair; rather cold.
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 East or South-East fresh; much cloud, rain in places; visibility indifferent to fair; rather cold.
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	Light Easterly or variable winds; variable sky, local showers; visibility mainly fair; rather cold.
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

Easterly winds and cold unsettled weather continuing. Risk of snow.



DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION

1921

No 336

* Information for these columns not usually received.

† Trace = rain has fallen, but amount less than 0.1 mm.

† For code see page II.

¹ See footnote, page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION

No. B.21,926

Saturday 3rd December 1921.

Page 1.

STATIONS.	Observations at 1300 G.M.T.														Observations at 1800 G.M.T.																																																																																																																												
	Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Sea.																																																																																																																		
			Direc.	Force						Form.	Amt.	Total Amt.			Direc.	Force						Form.	Amt.	Total Amt.																																																																																																																			
																										0-10	0-10	0-10																																																																																																															
m.b.	m.b.	0-12	0-12	0-10	0-10	0-10	0-10	0-10	0-10	m.b.	m.b.	0-12	0-12	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10																																																																																																																			
Lerwick	1027.7	+2	SE	4	0	40	92	7	5750	CU	10	10	1027.8	0	SSE	4	0	40	85	7	7250	CU	10	10	3																																																																																																																		
Gornoway	1019.4	+2	E	4	0	45	75	7	450	SV	8	8	1019.5	+2	E	4	0	44	75	7	800	SV	10	10	3																																																																																																																		
Wick	1022.9	+2	SE	6	0	44	85	8	5750	SV	10	10	1024.2	+2	SE	6	0	44	75	8	5750	SV	10	10	7																																																																																																																		
Caithness	1017.3	+1	E	4	0	47	65	8	2500	SV	10	10	1019.4	+3	SE	4	0	46	75	8	2500	SV	2	2	4																																																																																																																		
Aberdeen	1023.0	+2	SE	5	0	43	75	7	2500	SV	10	10	1022.8	0	E	1	0	41	75	8	1500	SV	8	8	0																																																																																																																		
Malin Head	1014.5	+2	EHE	1	0	47	92	8	4000	SV	3	3	1024.7	+3	SE	4	0	42	75	7	2500	SV	10	10	4																																																																																																																		
Benbulbin	1018.5	+3	NE	4	0	44	75	6	2500	SV	10	10	1015.8	+3	E	4	0	47	92	8	5750	SV	7	7	9																																																																																																																		
Inchkeith	1019.2	+3	E	4	0	43	85	9	4000	SV	10	10	1020.2	+1	EHE	4	0	43	75	6	1500	SV	10	10	0																																																																																																																		
Boddalemuir	1018.5	+2	NE	4	0	40	75	8	2500	SV	7	7	1020.9	+3	E	4	0	42	85	9	2500	SV	10	10	0																																																																																																																		
Tynemouth	1018.3	+3	SE	5	0	43	92	7	4000	SV	10	10	1019.8	+2	NE	3	0	38	85	7	2500	SV	10	10	0																																																																																																																		
Blackhead Point	1015.1	+1	SE	4	0	46	92	8	2500	SV	10	10	1020.2	-3	ESE	4	0	43	85	7	5750	SV	10	10	5																																																																																																																		
Portlough	1010.4	+1	NW	1	0	46	92	6	1500	SV	9	9	1016.5	+2	SE	4	0	45	85	7	4000	SV	10	10	7																																																																																																																		
Malinbeg	1010.9	+1	EHE	4	0	46	75	6	1500	SV	9	9	1011.8	0	NW	1	0	45	92	5	450	SV	10	10	0																																																																																																																		
Holyhead	1010.5	+2	EHE	6	0	44	85	5	4000	SV	8	8	1013.3	+3	EHE	4	0	45	75	6	800	SV	10	10	0																																																																																																																		
Liverpool (Bidston)	1012.4	+3	EHE	5	0	41	75	6	2500	SV	3	3	1012.0	+1	E'S	7	0	43	85	6	1500	SV	10	10	6																																																																																																																		
Chester (Shotwick)	1011.9	+1	E	2	0	41	75	5	800	SV	7	7	1014.4	+2	E	6	0	40	75	5	1500	SV	10	10	6																																																																																																																		
Howden	1015.1	+2	E	5	0	42	75	7	2500	SV	8	8	1014.5	+4	ESE	2	0	39	85	5	2500	SV	10	10	0																																																																																																																		
Spurn Head	101																																																																																																																																										
Birmingham	1013.9	+3	E	7	0	42	85	7	2500	SV	9	9	1017.2	+2	EHE	5	0	40	85	7	2500	SV	10	10	0																																																																																																																		
Canterbury	1012.9	0	E	4	0	40	85	7	1500	CU	7	7	1016.3	+3	E	7	0	40	85	8	1500	SV	10	10	5																																																																																																																		
Cardiff	1013.7	+2	EHE	5	0	39	85	7	1500	SV	10	10	1015.8	0	E	5	0	39	85	6	2500	SV	10	10	0																																																																																																																		
Cardigan	1013.6	+4	E	6	0	38	85	7	4000	CU	7	7	1016.5	+3	EHE	4	0	38	85	7	800	SV	10	10	0																																																																																																																		
Plymouth	1011.9	+3	EHE	5	0	38	85	6	4000	SV	7	7	1015.7	+1	E	6	0	39	85	7	5750	SV	10	10	7																																																																																																																		
Palmstowe	1011.8	+1	NE	5	0	40	75	8	1500	SV	6	6	1014.7	+3	EHE	4	0	38	85	6	1500	SV	10	10	0																																																																																																																		
Valencia (Chiriquien)	1009.7	+1	NE	3	0	48	75	7	2500	CU	2	2	1014.9	+3	NE	5	0	39	85	8	2500	SV	10	10	6																																																																																																																		
Roche Point	1009.6	+2	NE	1	0	49	92	6	2500	SV	10	10	1011.8	+3	EHE	3	0	46	85	7	2500	SV	10	10	3																																																																																																																		
Ros-on-Wye	1006.9	+1	NE	4	0	43	92	6	1500	SV	10	10	1011.0	+2	NE	2	0	45	92	7	2500	SV	10	10	1																																																																																																																		
Beaumaris	1009.9	+2	NE	5	0	39	85	6	1500	SV	10	10	1009.7	+3	NE	4	0	42	92	6	1500	SV	10	10	4																																																																																																																		
A. Farnborough	1009.6	+3	EHE	3	0	40	85	5	1500	SV	10	10	1013.1	+4	EHE	4	0	37	85	5	1500	SV	10	10	0																																																																																																																		
London (Kew Obs.)	1008.5	+3	EHE	3	0	38	92	4	450	SV	10	10	1012.5	+5	EHE	3	0	37	85	4	1500	SV	10	10	0																																																																																																																		
Croydon	1009.3	+3	EHE	5	0	41	75	5	1500	SV	10	10	1014.4	+4	EHE	4	0	38	92	5	1500	SV	10	10	0																																																																																																																		
Chatham-on-Sea	1009.6	+3	EHE	6	0	38	85	5	800	SV	10	10	1012.0	+4	NE	4	0	39	85	4	1500	SV	10	10	0																																																																																																																		
Grain	1010.2	+5	NE	6	0	40	75	5	4000	SV	5	5	1011.8	+4	NE	5	0	38	85	6	1500	SV	7	7	0																																																																																																																		
Lymington	1010.3	+3	EHE	5	0	40	85	5	4000	SV	2	2	1012.7	+4	EHE	6	0	40	85	6	4000	SV	2	2	5																																																																																																																		
Selly (St. Mary's)	1008.8	+2	EHE	5	0	37	92	6	800	SV	5	5	1012.6	+3	NE	5	0	39	75	6	4000	SV	2	2	0																																																																																																																		
Plymouth (Fendennis)	1002.7	+1	NE	7	0	48	85	6	1500	SV	10	10	1012.8	+4	EHE	5	0	40	85	6	4000	SV	2	2	3																																																																																																																		
Portland Bill	1003.4	+3	NE	6	0	46	97	7	800	SV	10	10	1011.0	+4	EHE	5	0	35	85	6	4000	SV	2	2	0																																																																																																																		
Calshot	1003.9	+5	NE	8	0	44	85	4	450	SV	10	10	1006.8	+4	EHE	4	0	49	97	6	800	SV	10	10	5																																																																																																																		
Bournemouth	1006.7	+2	NE	2	0	41	85	6	4000	SV	6	6	1007.1	-1	NE	7	0	47	75	5	1500	SV	10	10	4																																																																																																																		
Jersey	999.8	+1	NE	5	0	50	85	8	4000	SV	10	10	1007.6	+5	NE	6	0	43	85	6	800	SV	10	10	1																																																																																																																		
London Observations	WEATHER. TEMPERATURE. RAIN-FALL. SUN-SHINE. HUMIDITY. ATMOSPHERIC POLLUTION. SOLAR RADIATION. POLE STAR RECORD at Greenwich Obsy.														Exposure from 2nd 14 b.m. to 3rd 6 b.m.																																																																																																																												
24 HOURS ENDED 0900 G.M.T.														YESTERDAY. TO-DAY.														24 HRS. ended 1800 G.M.T.														During yesterday.														South Kensington.														Total joules.														Average Rate.														Maximum Rate.														Polaris.														Minoris.													
Max. Min. Max. Min. Max. Min. Max. Min. Max. Min. Max. Max. Min. Max. Min. Max. Min. Max. Min. Max. Max. Min. Max. Min. Max. Min. Max. Max. Min. Max. Min. Max. Min. Max. Max. Min. Max. Min. Max. Max. Min. Max. Min. Max. Max. Min. Max. Min. Max. Min. Max. Max																																																																																																																																											

* Information for these columns not usually received.

‡ The barometric change is expressed in half millibars.

4 For code see page 3

SUMMARIES FOR THE PAST 24 HOURS														ISALLOBARS		3rd December	
STATIONS	WEATHER				TEMPERATURE			RAINFALL				SUN.	POSITION NUMBERS				
	7h-18h	18h-7h	18h-7h	18h-7h	MAX. Day	MIN. Night	MIN. on GRASS	Day 7h-18h	Night 18h-7h	Precipitation began	Precipitation began				Hours		
Lerwick	Po	Po	Po	Po	43	40		Trace	1	40800	21.00						
Stornoway	Po	Po	Po	Po	45	42											
Wick	Po	Po	Po	Po	45	42											
Castlebay	Po	Po	Po	Po	47	44											
Nairn	Po	Po	Po	Po	42	33											
Aberdeen	Po	Po	Po	Po	44	41	39										
Malin Head	Po	Po	Po	Po	48	41											
Renfrew	Po	Po	Po	Po	45	40	39	Trace									
Inchkeith	Po	Po	Po	Po	44	41	39										
Esksdalemuir	Po	Po	Po	Po	41	36	34										
Tynemouth	Po	Po	Po	Po	44	41											
Blacksod Point	Po	Po	Po	Po	44	41											
Donaghadee	Po	Po	Po	Po	46	40	35	Trace	1730								
Birr Castle	Po	Po	Po	Po	46	40	39										
Baldonnell	Po	Po	Po	Po	44	39	39										
Holyhead	Po	Po	Po	Po	44	36	34										
Liverpool (Bidston)	Po	Po	Po	Po	45	36	34										
Chester (Shutwick)	Po	Po	Po	Po	41	32											
Howden	Po	Po	Po	Po	43	38	34										
Spurn Head	Po	Po	Po	Po	43	38	34										
Nottingham	Po	Po	Po	Po	40	35	35										
Cranwell	Po	Po	Po	Po	40	35	34										
Gorleston	Po	Po	Po	Po	39	35	35										
Pulham	Po	Po	Po	Po	39	32	32										
Felixstowe	Po	Po	Po	Po	41	35	35										
Valencia (Cahirciveen)	Po	Po	Po	Po	49	39	36										
Roches Point	Po	Po	Po	Po	44	44		2	0.4	1530	630						
Pembroke (St. Ann's H.)	Po	Po	Po	Po	44	38		2		0900							
Ross-on-Wye	Po	Po	Po	Po	39	34	33	2	0.1	40800	<2100						
Benson	Po	Po	Po	Po	41	33	30	0.2		40800							
S. Farnborough	Po	Po	Po	Po	39	34	34	3		1230							
London (New Obs.)	Po	Po	Po	Po	41	36	35	0.2		40800							
Croydon	Po	Po	Po	Po	40	35	34	0.6		40800							
Clacton-on-Sea	Po	Po	Po	Po	41	36	36										
Shoeburyness	Po	Po	Po	Po	41	35	34										
Grain	Po	Po	Po	Po	40	36	34	Trace		0900							
Lymington	Po	Po	Po	Po	37	33	31	0.1		40800							
Soilly (St. Mary's)	Po	Po	Po	Po	50	44		1	0.4	1430	<2100						
Falmouth (Pendennis)	Po	Po	Po	Po	48	42		1		1230							
Plymouth	Po	Po	Po	Po	46	38	35	Trace									
Portland Bill	Po	Po	Po	Po	46	38		0.3		40800							
Calshot	Po	Po	Po	Po	43	36	36	1		40800							
Dungeness	Po	Po	Po	Po	41	36		0.4		40800							
Jersey	Po	Po	Po	Po	50	42											

Observations from Cross Channel Steamers.

Position	Date and Time	Steamship	Wind	Weather	Temp
			Dir.	Force	Air
3	3rd 0200	ARUNDEL	NE	6	0
2	2nd 1005	ANGELIA	ESE	7	0

GENERAL INFERENCE.

The Scandinavian anti-cyclone is tending to spread towards the British Isles. The Easterly winds over England will be moderate and the weather will be cloudy to fair over the Kingdom generally, frost occurring in most places at night.

Forecast for the 24 hours commencing 15h.G.M.T. Saturday, 3rd December, 1921.

Districts	Forecast
1. S.E. England	Fresh Easterly wind, moderating; cloudy to fair; visibility mainly good; cold, frost at night.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	Moderate South-Easterly wind; cloudy to fair; visibility mainly good; cold, frost locally at night.
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	
14. N.&N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	Light Easterly winds; varying amount of cloud; local drizzle; visibility fair; cold.
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

Further Outlook

Easterly winds and cold weather will continue for the next few days in all districts.

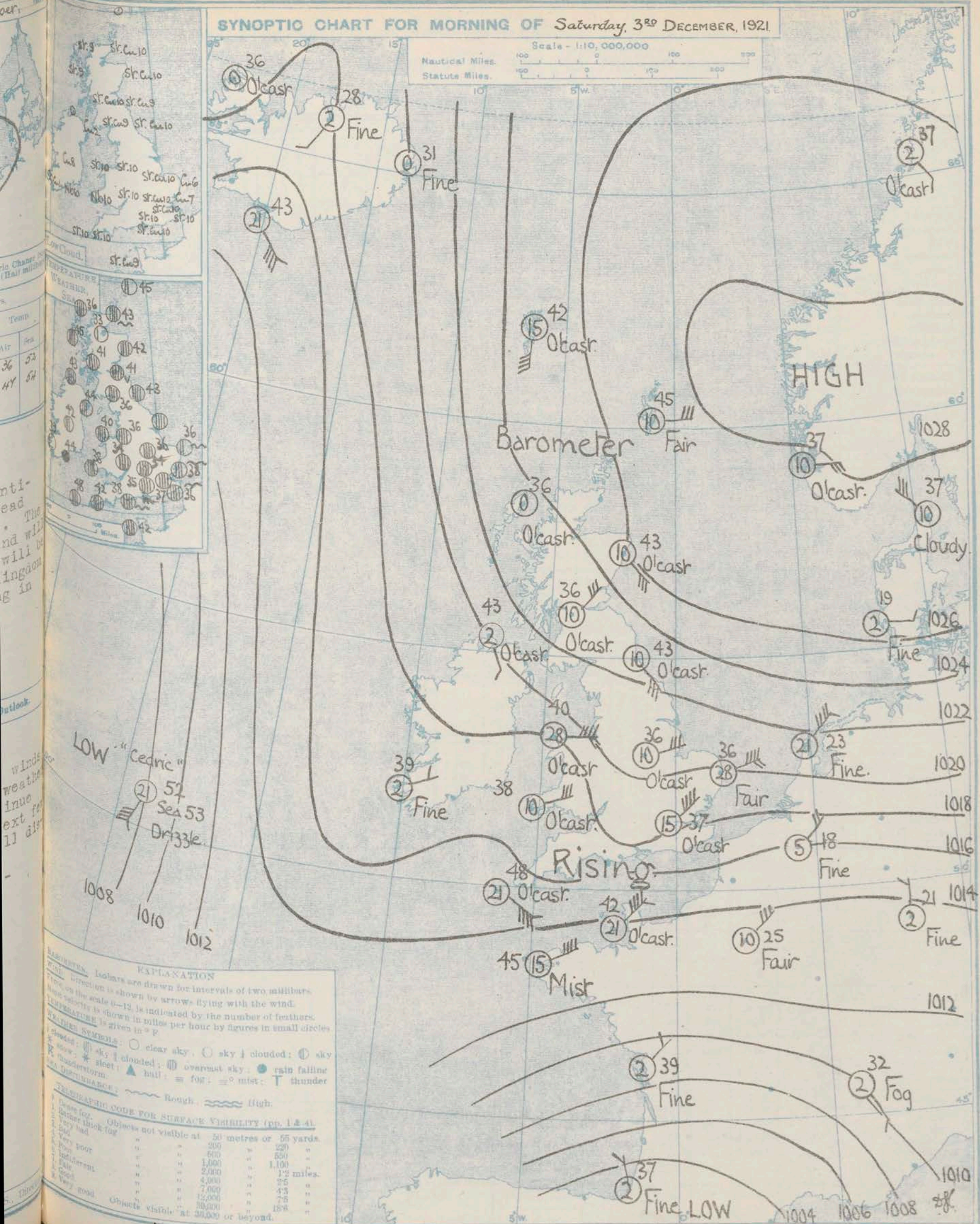
Meteorological Office: Air Ministry, Kingsway, London, W.C.2.

Forecasts issued at 0930.

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

SYNOPTIC CHART FOR MORNING OF Saturday, 3rd DECEMBER, 1921.

Scale - 1:10,000,000
Nautical Miles. 100 0 100 200
Statute Miles. 100 0 100 200



EXPLANATION

Isobars are drawn for intervals of two millibars.
Wind direction is shown by arrows flying with the wind.
Wind force on the scale 0-12, is indicated by the number of feathers.
Temperature is shown in millibars per hour by figures in small circles.
Weather symbols are given in p.

WEATHER SYMBOLS: ○ clear sky; ○ sky & clouded; ○ sky & rain; ○ sky & snow; ○ sky & sleet; ○ sky & hail; ○ sky & fog; ○ sky & mist; ○ sky & thunder.

SEA DISTURBANCE: ~~~~~ Rough; ~~~~~ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).			
Objects not visible at	50 metres or 55 yards.		
0	200	250	
1	400	450	
2	600	650	
3	1,000	1,100	
4	2,000	2,200	
5	4,000	4,500	
6	7,000	7,500	
7	15,000	16,000	
8	20,000	22,000	
9	30,000 or beyond.	33,000	
Objects visible at 30,000 or beyond.			

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4.

BRITISH SECTION. SATURDAY, 3rd DECEMBER 1921.

No. 237.

STATIONS.	Observations at 0100 G.M.T.													Observations at 0700 G.M.T.												
	Barom. at M.S.L. in m.b.	Change in 3 Hours.	Wind.		Weather.	Temp. of.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L. in m.b.	Change in 3 Hours.	Wind.		Weather.	Temp. of.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.				
			Direc.	Force						Form.	Amt.	Total Form.			Total Amt.	Direc.						Force	Form.	Amt.	Total Form.	Total Amt.
Lerwick ...	1024.8	0	SSE	2	off	42	85	Y	4250	Sc	4	Y	1024.6	1	E	3	bc	45	85	Y	800	Sc	9	10	10	
Stornoway ...	1024.0	12	SE	3	bc	40	85	Y	6	Sc	10	10	1024.0	11	-	0	0+	36	92	Y	800	Sc	9	10	10	
Wick ...	1024.8	12	SE	6	0	43	85	Y	5750	Sc	10	10	1024.8	11	SSE	6	0	43	85	Y	5750	Sc	10	10	10	
Castlebay ...	...	...	...	...	...	...	...	...	...	...	...	...	1024.3	11	SSE	4	0	45	85	Y	2500	Sc	9	10	10
Nairn ...	...	...	...	...	...	...	...	...	...	...	...	...	1024.2	11	-	0	0+	36	85	Y	1500	Sc	9	10	10
Aberdeen ...	...	...	...	...	...	...	...	...	...	...	...	...	1026.0	11	SE	3	0	42	85	Y	2500	Sc	10	10	10
Malin Head ...	1014.1	0	ESE	4	0+	44	85	Y	4000	Sc	10	10	1014.6	11	SSE	1	0+	43	92	Y	4000	Sc	10	10	10	
Renfrew ...	...	...	...	...	...	...	...	...	...	...	...	...	1023.1	14	NE	4	0	41	95	Y	4000	Sc	10	10	10
Inchkeith ...	1022.6	12	E	4	0V	41	85	Y	8	Sc	10	10	1023.1	12	E	3	0V	41	95	Y	4000	Sc	10	10	10	
Eskdalemuir ...	...	...	...	...	...	...	...	...	...	...	...	...	1023.5	12	NE	3	0	36	85	Y	2500	Sc	9	10	10
Tynemouth ...	1021.4	0	SE	4	0	41	85	Y	-	-	0	10	1023.3	12	SE	3	0	43	85	Y	5750	Sc	10	10	10	
Blacksod Point ...	...	...	...	...	...	...	...	...	...	...	...	...	1020.2	13	SE	3	0	44	95	Y	5750	Sc	2	10	10
Donaghadee ...	...	...	...	...	...	...	...	...	...	...	...	...	1014.8	11	NW	1	0	42	94	Y	2500	Sc	8	10	10
Birr Castle ...	...	...	...	...	...	...	...	...	...	...	...	...	1013.2	13	E	1	odd	42	85	6	1500	Nb	10	10	10
Baldonnell ...	1015.4	13	E/N	1	off	42	92	5	800	Nb	10	10	1014.6	12	E	6	0	40	85	6	800	Sc	10	10	10	
Holyhead ...	1014.4	11	E	4	0	4	6	450	Sc	10	10	1020.6	13	E	2	0	36	85	6	2500	Sc	10	10	10		
Liverpool (Bidston) ...	...	...	...	...	...	...	...	...	...	...	...	...	1018.3	13	-	0	0	33	92	4	1500	Sc	10	10	10
Chester (Shotwick) ...	...	...	...	...	...	...	...	...	...	...	...	...	1022.0	13	E/N	2	0	34	85	Y	2500	Sc	10	10	10
Howden ...	...	...	...	...	...	...	...	...	...	...	...	...	1021.1	12	E	6	0	40	85	8	4000	Sc	9	10	10
Spurn Head ...	1019.2	11	E	4	0	39	92	8	450	Sc	10	10	1020.9	12	ENE	3	0	36	85	6	1500	Sc	10	10	10	
Nottingham ...	...	...	...	...	...	...	...	...	...	...	...	...	1021.2	12	ENE	4	0	35	85	Y	1500	Sc	10	10	10
Grimwold ...	1019.0	12	ENE	4	0	35	92	6	1500	Sc	10	10	1019.8	11	E/N	6	bc	36	92	8	5750	Sc	6	10	10	
Corleston ...	1017.5	11	E/N	6	0+	35	92	8	-	-	0	10	1019.1	12	ENE	4	0	34	95	Y	4250	Sc	5	10	10	
Pulham ...	...	...	...	...	...	...	...	...	...	...	...	...	1018.6	11	NE	5	0	35	94	8	1500	Sc	10	10	10
Felixstowe ...	...	...	...	...	...	...	...	...	...	...	...	...	1017.0	12	ENE	1	0	39	92	Y	4000	Sc	10	10	10
Valencia (Cahirciveen) ...	1015.8	12	-	0	fo	46	93	2	-	-	-	-	1016.8	12	NE	1	off	44	94	6	1500	Nb	10	10	10	
Roche Point ...	...	...	...	...	...	...	...	...	...	...	...	...	1017.4	13	ENE	3	off	38	92	8	2500	Nb	10	10	10
Pembroke (St. Ann's H.) ...	1013.5	12	NE	5	odd	39	92	Y	2500	Nb	10	10	1019.1	13	ENE	5	0	34	95	Y	2500	Sc	10	10	10	
Ross-on-Wye ...	...	...	...	...	...	...	...	...	...	...	...	...	1018.4	14	NE	3	0	34	85	5	+	Sc	10	10	10
Benson ...	...	...	...	...	...	...	...	...	...	...	...	...	1014.4	13	NE	1	mm	35	85	Y	2500	Sc	10	10	10
S. Farnborough ...	...	...	...	...	...	...	...	...	...	...	...	...	1014.9	14	NE	4	0	34	95	6	2500	Sc	10	10	10
London (Kew Obsy.) ...	...	...	...	...	...	...	...	...	...	...	...	...	1014.5	13	NE	6	0	35	85	6	1500	Sc	8	10	10
Croydon ...	1015.5	13	ENE	6	0	35	85	Y	1500	Sc	9	10	1014.0	13	ANE	5	0	38	95	Y	4000	Sc	4	10	10	
Clacton-on-Sea ...	...	...	...	...	...	...	...	...	...	...	...	...	1014.5	13	NE	6	0	34	95	Y	4000	Sc	10	10	10
Shoeburyness ...	...	...	...	...	...	...	...	...	...	...	...	...	1017.4	12	NE	6	0	38	92	Y	2500	Sc	10	10	10
Grain ...	...	...	...	...	...	...	...	...	...	...	...	...	1016.4	13	NE	5	0	33	92	6	450	Sc	10	10	10
Lympne ...	1014.0	12	NE	5	0	30	85	6	2500	Sc	10	10	1014.2	13	E/S	5	0	48	92	Y	800	Sc	10	10	10	
Scilly (St. Mary's) ...	1009.3	12	NE	5	0	49	92	6	800	Sc	10	10	1015.5	13	NE	4	0	42	95	5	1500	Sc	9	10	10	
Falmouth (Fendennis) ...	1010.8	12	NE	6	off	46	85	5	1500	Sc	10	10	1015.9	15	ENE	4	0+	38	85	Y	1500	Sc	10	10	10	
Plymouth ...	1012.1	14	NE	4	bc	39	85	8	-	-	0	10	1016.9	13	ENE	4	0	34	85	8	4000	Sc	10	10	10	
Portland Bill ...	1011.8	11	ENE	4	bc	38	85	6	1500	Sc	10	10	1015.1	13	ENE	5	0+	36	85	8	800	Sc	9	10	10	
Calshot ...	1014.3	13	E/N	4	c	39	85	8	2500	Sc	8	10	1012.9	11	NE	5	0	42	85	8	4000	Sc	9	10	10	
Dungeness ...	1013.1	12	ENE	5	bc	36	92	Y	-	-	0	10	1012.9	11	NE	5	0	42	85	8	4000	Sc	9	10	10	
Jersey Th. ...	1009.9	13	ENE	4	bc	48	85	6	-	-	0	10	1012.9	11	NE	5	0	42	85	8	4000	Sc	9	10	10	
Guernsey Th. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

STATIONS.	WEATHER.		TEMPERATURE		RAINFALL†		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE		RAINFALL†		Sunrise to Sunset	
	Fore-noon.	After-noon.	Max. Day of.	Min. Night of.	Night	Day	Sunrise to Sunset.	Sunrise to Sunset.		Fore-noon.	After-noon.	Max. Day of.	Min. Night of.	Night	Day		Sunrise to Sunset
					12h-2h	2h-12h								12h-2h	2h-12h		
					mm.	mm.	hr.	hr.	Paignton	odpq	oq	47	41	mm. 4	mm. trace	0.0	
Banff	0	0	43	42	-	-	0.0		Ilfracombe							0.0	
Montrose	0	0	44	43	-	0.1	0.0		Bude	r	r	45	39	1	0.2	0.0	
									Penzance	og	ogd	47	43	1	1	0.0	
Llandudno	bc	bc.c	43	39	-	-	0.3		Torquay	e	e	47	40	3	-	0.0	
Colwyn Bay	bc	bc	43	35	0.1	-	0.0		Weymouth	o	o	44	39	1	-	0.0	
Rhyl... ..																	
Southport	o.c.bc	bc.c	44	40	1	-	0.1		Bournemouth	o	o	42	39	2	1	0.0	
Blackpool	o	c	44	41	-	-	0.0		Portsmouth (St'heca)	or	o	42	39	4	1	0.0	
Harrogate	o.c.	c.0	41	38	2	-	0.0		Worthing	o	o	40	38	1	-	0.0	
Skegness	a	e	44	35	1	-	0.0		Brighton	o	o	44	40	1	-	0.0	
									Eastbourne	o.	o.c	42	37	4	0.1	0.0	
Aberystwyth	o.c	c.0	43	39	-	-	0.0										
Bath	r	r.o	40	39	8	2	0.0		Hastings	o2m	o	38	37	5	-	0.0	
Leamington Spa	o	o	39	35	-	-	0.0		Folkestone	o	o	37	37	2	-	0.0	
Lowestoft	o.c	c.0.c.bc	44	37	-	-	0.8		Tunbridge Wells	o.0d	o	37	36	4	0.3	0.0	
Felixstowe	om	om	41	40	-	-	0.0		Ramsgate	e	e	38	35	-	-	0.0	
Southend	o	o	40	37	-	-	0.0		Margate	o	o	39	37	-	-	0.0	
									Deal	o	o	46	37	2	-		



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 21927

SUNDAY, 4th DECEMBER, 1921.

Page 1.

STATIONS.	Observations at 1300 G.M.T. 340													Observations at 1500 G.M.T. 345															
	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. m.	Height of Low Cloud. Feet	Cloud.			Sen.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. m.	Height of Low Cloud. Feet	Cloud.			Sen.			
			Dir.	Force						Form.	Amt.	Total Form.				Total Amt.	Dir.						Force	Form.	Amt.		Total Form.	Total Amt.	
Derby	1026.2	-1	SSW	4	C+	45	85	7	-	Cu	8	-	8	1026.1	-1	S	4	0	0	42	85	7	-	-	Sc	10	-	10	0
Stamford	1022.4	+1	-	0	C+	45	85	7	-	Cu	8	-	8	1022.5	0	-	0	0	0	42	85	7	-	-	Sc	10	-	10	0
Wick	1023.3	-2	S	6	C-	43	75	8	5750	Sc	6	AC	8	1023.0	0	SSW	7	0	0	42	85	7	-	-	0	AC	2	6	
Cardiff	1022.5	0	SE	4	C-	45	75	8	2500	Cu	5	AS	8	1022.4	0	E	4	0	0	45	75	8	-	-	Sc	10	-	10	4
Yarm	1026.5	0	SE	3	0	42	75	7	2500	Sc	10	-	10	1026.5	0	SSW	3	0	0	43	75	8	-	-	Sc	8	-	8	1
Aberdeen	1026.5	0	SE	3	0	42	75	7	2500	Sc	10	-	10	1026.5	0	SSW	3	0	0	43	75	8	-	-	Sc	8	-	8	1
Malin Head	1020.3	0	SSW	1	0	44	92	7	4000	Cu	3	-	3	1020.2	0	S	3	0	0	40	92	7	-	-	0	Cu	7	2	
Donaghadee	1024.0	+1	NE	3	0	43	75	7	2500	Sc	10	-	10	1024.0	+1	NE	2	0	0	37	85	6	-	-	Sc	4	-	4	2
Blackhead	1025.4	+1	ESE	3	0	42	75	9	-	Sc	9	Ci	10	1025.1	+1	SE	2	0	0	40	85	9	-	-	Sc	1	-	1	2
Walsby	1024.7	+1	E	3	C-	39	75	8	2500	Sc	6	Ci	8	1024.7	+1	E	2	0	0	35	85	8	-	-	0	AC	1	2	
Tynewydd	1024.9	+2	SE	3	0	44	85	8	5750	Sc	10	-	10	1025.5	+1	SE	3	0	0	43	85	8	-	-	Sc	3	-	3	3
Blackhead Point	1021.7	+1	SE	3	C+	43	75	8	4000	Cu	4	AC	7	1021.6	+1	SE	3	0	0	44	75	8	-	-	Cu	5	-	5	4
Bar Castle	1019.0	0	SSW	1	0	44	92	7	450	Sc	10	-	10	1019.0	0	E	1	0	0	44	92	7	-	-	Sc	10	-	10	4
Paidneville	1019.6	0	ENE	1	0	45	85	7	2500	Sc	5	AC	9	1019.7	+3	ENE	1	0	0	40	92	7	-	-	Sc	3	-	3	0
Holyhead	1020.1	+1	E	3	0	42	75	8	-	0	AC	9	9	1020.1	+2	E	4	0	0	39	85	7	-	-	0	AC	3	3	
Liverpool (Bidston)	1022.1	+1	ESE	1	C+	37	75	6	2500	Nb	5	Ci	8	1022.0	+2	ESE	3	0	0	38	75	4	-	-	Sc	5	-	5	3
Chester (Shotwick)	1021.6	+1	SE	2	0	39	75	7	2500	Sc	10	-	10	1021.5	+2	E	1	0	0	33	82	4	-	-	0	-	0	0	
Sturton	1023.1	0	E	4	0	41	75	7	2500	Sc	6	AS	10	1023.1	+1	NE	3	0	0	39	85	7	-	-	0	AS	3	0	
Spurn Head	1021.9	0	E	4	0	42	92	7	-	Cu	4	Ci	7	1021.9	+2	E	4	0	0	42	92	7	-	-	Sc	10	-	10	4
Nottingham	1021.8	0	ENE	4	0	39	85	8	1500	Cu	5	AS	9	1021.8	0	NE	3	0	0	36	85	6	-	-	0	-	0	0	
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0	34	85	7	-	-	Sc	1	-	1	0
Grimsby	1022.3	0	NE	4	0	39	75	8	2500	Sc	5	AS	9	1022.3	+1	NE	3	0	0										

SUMMARY FOR THE PAST 24 HOURS													ISALLOBARS	
STATIONS	WEATHER				TEMPERATURE			RAINFALL				SUN.	POSITION NUMBERS	
	7h-13h	13h-18h	18h-24h	24h-7h	MAX. Day	MIN. Night	MIN. on GRASS	Day 7h-13h	Night 13h-18h	Precipitation began	Precipitation ended			
Lerwick	b+bc	00	c	c	45	42	.	0.2	-	2.0	0.0	0.7		
Stornoway	c	c	c	00	44	42	.	-	-	-	-	0.7		
Wick	00	b+bc	b+bc	b+bc	43	35	.	-	-	-	-	0.0		
Castlesay	00	00	0	om	45	45	.	-	-	-	-	1.5		
Nairn	b+bc	b+bc	b+bc	b+bc	37	27	.	-	-	-	-	0.0		
Aberdeen	00	00	b+bc	b+bc	44	38	30	-	-	-	-	0.0		
Malin Head	c	b+bc	c	c	44	39	.	-	-	-	-	1.6		
Renfrew	om	om	b+bc	b+bc	43	22	13	-	-	-	-	0.1		
Inchkeith	00	c	b+bc	b+bc	42	38	30	-	-	-	-	0.1		
Edinburgh	00	c	b+bc	b+bc	40	28	19	-	-	-	-	0.1		
Tynemouth	00	c	b+bc	b+bc	44	34	.	-	-	-	-	0.1		
Blackad Point	cbcc	bcg	bcg	bcm	45	43	.	-	-	-	-	0.1		
Dunghaden	cor	oz	co	co	44	35	30	-	-	-	-	0.3		
Birr Castle	c	obmm	b+bc	b+bc	45	24	19	trace	-	2.0	-	0.6		
Baldonell	oca	ocb	b+bc	b+bc	42	32	21	-	-	-	-	0.2		
Holyhead	c	f+om	b+bc	b+bc	39	28	20	-	-	-	-	0.0		
Liverpool (Bidston)	om	om	b+bc	b+bc	39	21	.	-	-	-	-	0.0		
Chester (Shutevic)	om	om	b+bc	b+bc	39	21	.	-	-	-	-	0.0		
Howden	00	00	b+bc	b+bc	41	19	15	-	-	-	-	0.0		
Spurn Head	c	c	b+bc	b+bc	42	40	.	-	-	-	-	0.0		
Nottingham	c	c	b+bc	b+bc	39	26	23	-	-	-	-	0.0		
Cranwell	c	c	b+bc	b+bc	39	25	15	-	-	-	-	1.0		
Gorleston	b+bc	c	b+bc	b+bc	40	37	35	-	-	-	-	1.5		
Fulham	c	c	c	c	39	28	21	-	-	-	-	2.6		
Felixstowe	c	c	co	co	40	36	35	-	-	-	-	1.3		
Valencia (Cahiroreen)	bbcoz	oz	om	om	49	47	43	-	-	-	-	0.1		
Roches Point	dd	00	00	00	47	45	.	0.4	-	2.0	-	0.8		
Pembroke (St. Ann's H.)	c	b+bc	b+bc	b+bc	40	33	.	-	-	-	-	0.8		
Ross-on-Wye	oc	cbcoo	c	bc	37	33	28	-	-	-	-	0.7		
Benson	00	c	00	00	37	31	31	-	-	-	-	0.0		
S. Farnborough	f+om	f+om	b+bc	b+bc	38	33	27	-	-	-	-	0.0		
London (Kew Obs.)	om	om	00	00	39	36	33	-	-	-	-	0.0		
Croydon	om	om	om	om	37	35	31	-	-	-	-	0.0		
Clacton-on-Sea	c	c	oc	c	39	36	35	-	-	-	-	0.0		
Shoeburyness	00	00	00	00	40	34	31	-	-	-	-	0.0		
Grain	00	00	00	00	39	36	31	-	-	-	-	0.0		
Lympne	00	omg	c	00	33	31	25	-	-	-	-	0.0		
Scilly (St. Mary's)	00	00	00	00	50	43	.	-	-	-	-	0.0		
Falmouth (Fendennis)	om	om	om	om	42	36	.	-	-	-	-	0.0		
Plymouth	b+bc	b+bc	b+bc	b+bc	38	32	23	-	-	-	-	6.0		
Portland Bill	00	00	00	00	41	31	.	-	-	-	-	0.0		
Calshot	00	00	00	c	39	35	35	-	-	-	-	0.0		
Dungeness	c	c	c	c	37	34	.	-	-	-	-	0.0		
Jersey	b+o	00	00	00	47	40	.	-	-	-	-	0.0		

OBSERVATIONS FROM CROSS CHANNEL STEAMERS												
Position	Date and Time	Steamship	Wind		Weather	Temp						
			Dirac	Force		Air	Sea					
2	3 rd 1000	Anglia	ENE	2	o	46	54					
3	4 th 0300	Dieppe	ENE	3	bc	34	50					

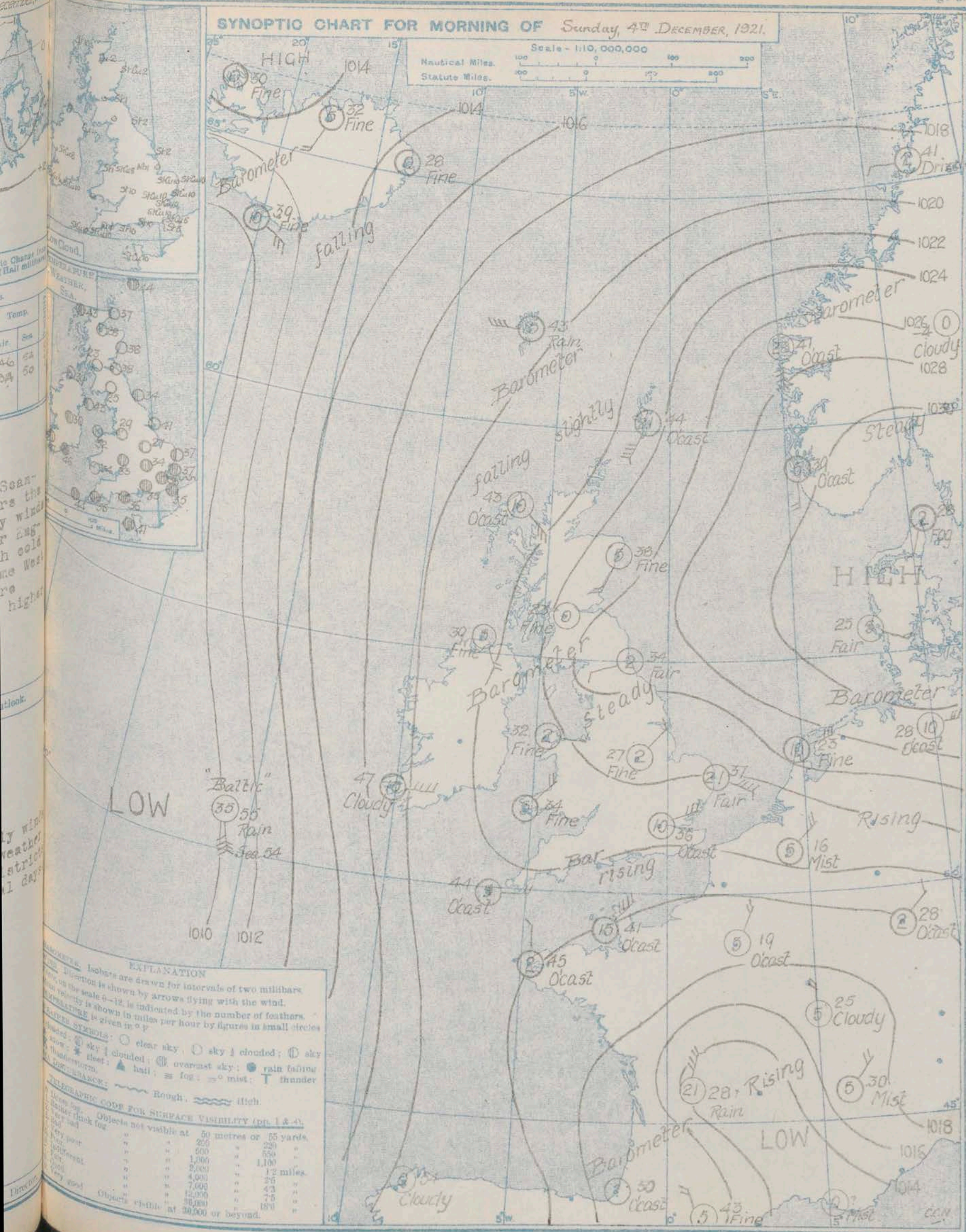
GENERAL INFERENCE.

An extension of the Scandinavian anticyclone covers the British Isles and Easterly winds are likely to prevail over land for several days with cold dry weather. In the extreme West and North wind will be more Southerly and temperature higher.

Districts	Forecasts for the 24 hours commencing 15h. GMT. Sunday 4th December 1921.	Further Outlook
1. S.E. England	Wind N.E. or E. moderate; fair or cloudy; visibility mainly good on the coast, indifferent inland; cold.	Easterly winds and cold weather in most districts for several days.
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 E. or S.E. winds; fair; visibility mainly good on the coast, indifferent inland; cold.	
11. E. Scotland		
12. S.W. Scotland		
13. Isle of Man	Wind S. to S.W., moderate or fresh; cloudy or dull, probably some rain; visibility fair; rather cold to moderate temperature.	
14. N. & N.W. Scotland		
15. Hebrides		
16. Orkneys and Shetlands		
17. N.W. Ireland		
18. N.E. Ireland	As for 8 to 13.	
19. S.E. Ireland		
20. S.W. Ireland		

SYNOPTIC CHART FOR MORNING OF Sunday, 4th DECEMBER, 1921.

Scale - 1:10,000,000
Nautical Miles. 0 100 200
Statute Miles. 0 100 200



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.
Temperature is shown in miles per hour by figures in small circles.
Direction is given in °.

SYMBOLS:
○ clear sky; ○ sky & clouded; ○ sky & overcast sky; ● rain falling; ● snow falling; ● hail; ● fog; ● mist; T thunder.

ABBREVIATIONS:
Rough, High.

FOR SURFACE VISIBILITY (pp. 1 & 4).

not visible at	50 metres or 55 yards.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4.

BRITISH SECTION. *Sunday*..... *December 4th*..... 1921.

No. 338

STATIONS.	Observations at 0100 G.M.T. <i>H.K.</i>													Observations at 0700 G.M.T. <i>H.K.</i>												
	Barom. at M.S.L. m.b.	Change in 3 Hours	Wind.		Weather.	Temp. of air.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Sea. 0-4	Barom. at M.S.L. m.b.	Change in 3 Hours	Wind.		Weather.	Temp. of air.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			
			Dirac.	Force						Low.	Upper.	Total.				Dirac.	Force						Low.	Upper.	Total.	
																										0-12
Lerwick ...	10242	0	SSW	5	C	44	85	7	-	SrCu	5	ASr	7	10222	-1	SSW	5	0	44	85	7	-	-	0	ASr	10
Stornoway ...	10234	0	SNW	1	CO	42	85	8	-	-	0	ACu	4	10209	-1	SE	3	0	43	85	6	1500	Sr	10	ASr	10
Wick ...	10234	0	SSW	6	bc	42	85	8	-	-	-	-	-	10224	0	SN	2	b	37	97	9	-	-	0	ASr	10
Castellbay ...	...	...	...	...	...	...	...	...	...	...	...	...	...	10227	0	SSW	4	mm	47	85	6	1500	Sr	10	-	10
Nairn ...	...	...	...	...	...	...	...	...	...	...	...	...	...	10233	...	...	...	...	...	...	...	...	...	...	...	...
Aberdeen ...	...	...	...	...	...	...	...	...	...	...	...	...	...	10254	0	SNW	2	b	38	92	7	2500	SrCu	2	-	0
Malin Head ...	10210	0	SSE	2	0	41	92	7	-	0	ASr	10	...	10207	0	SE	2	b	39	92	7	-	-	0	-	0
Benfrew ...	...	...	...	...	...	...	...	...	...	...	...	...	...	10255	0	...	...	...	...	...	...	...	...	...	...	...
Inchkeith ...	10255	+1	SE	1	bv	38	85	9	-	SrCu	2	-	2	10248	-1	SE	2	bv	38	85	9	-	Sr	1	-	0
Eskdalemuir ...	...	...	...	...	...	...	...	...	...	...	...	...	...	10264	0	N	1	b	25	85	8	-	-	0	-	0
Tynemouth ...	10260	0	SE	2	b	43	85	7	-	-	0	-	0	10263	0	WSW	1	bc	34	97	4	2500	Sr	2	ASr	4
Blackod Point ...	...	...	...	...	...	...	...	...	...	...	...	...	...	10234	0	SSE	1	bc	43	75	8	4000	Cu	2	-	4
Donsghades ...	...	...	...	...	...	...	...	...	...	...	...	...	...	10245	...	...	...	...	...	...	...	...	...	...	...	...
Birr Castle ...	...	...	...	...	...	...	...	...	...	...	...	...	...	10238	+1	...	...	...	...	...	...	...	...	...	...	...
Baldonuell ...	10231	+1	ESE	2	b	33	85	6	-	-	0	-	0	10230	0	E	1	b	32	92	9	-	-	0	ASr	1
Holyhead ...	10225	+1	SE	3	b	...	...	...	...	...	0	-	0	10246	0	SE	1	b/f	29	...	...	...	...	...	...	...
Liverpool (Bidston) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	10240	0	SW	1	c	25	92	4	4000	SrCu	8	-	1
Chester (Shotwick) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	10259	+1	NE	1	b	20	97	7	-	-	0	ACu	2
Howden ...	...	...	...	...	...	...	...	...	...	...	...	...	...	10251	+2	ESE	4	b	41	85	7	1500	Sr	2	-	2
Spurn Head ...	10239	0	ESE	5	b	39	92	8	-	-	0	-	0	10255	...	...	...	...	...	...	...	...	...	...	...
Nottingham ...	...	...	...	...	...	...	...	...	...	...	...	...	...	10255	...	...	...	...	...	...	...	...	...	...	...
Cranwell ...	10243	+1	NE	3	b	33	85	7	-	-	0	-	0	10255	+1	NE	2	b	29	97	7	-	-	-	-	10
Gorleston ...	10228	+1	E	6	b	38	85	8	-	-	0	-	0	10237	+2	E	5	bc	37	92	8	4000	Cu	4	-	10
Fulham ...	...	...	...	...	...	...	...	...	...	...	...	...	...	10239	+1	ESE	2	0	33	97	5	2500	SrCu	10	-	10
Felixstowe ...	...	...	...	...	...	...	...	...	...	...	...	...	...	10235	+1	ESE	4	0	37	85	8	2500	SrCu	10	-	6
Valencia (Cahirovee) ...	10193	+1	SSE	2	b/f	46	92	5	-	Cu	2	-	2	10194	0	E	4	bc	47	85	6	1500	SrCu	6	-	10
Roches Point ...	...	...	...	...	...	...	...	...	...	...	...	...	...	10221	+1	ESE	1	0	46	85	7	1500	SrCu	10	-	10
Pembroke (St. Ann's H.) ...	10225	+2	NE	3	b	35	92	8	-	-	0	-	0	10236	0	NE	2	b	34	97	8	-	-	0	-	10
Ross-on-Wye ...	...	...	...	...	...	...	...	...	...	...	...	...	...	10239	+2	ENE	2	0	33	85	8	2500	Sr	10	-	10
Benson ...	...	...	...	...	...	...	...	...	...	...	...	...	...	10235	+3	NE	1	0	34	85	7	-	SrCu	10	-	10
S. Farnborough ...	...	...	...	...	...	...	...	...	...	...	...	...	...	10230	0	NE	3	0	35	85	6	2500	SrCu	10	-	10
London (Kew Obs.) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	10234	+2	ENE	3	0	36	85	6	2500	SrCu	10	-	10
Croydon ...	10209	+2	ENE	6	bc	36	85	6	1500	SrCu	4	Cu	6	10225	+2	ENE	6	0	35	85	6	1500	SrCu	10	-	10
Clacton-on-Sea ...	...	...	...	...	...	...	...	...	...	...	...	...	...	10207	+3	ENE	3	c	37	85	7	4000	Cu	8	-	10
Shoeburyness ...	...	...	...	...	...	...	...	...	...	...	...	...	...	10230	+2	NE	5	0	36	85	7	4000	SrCu	10	-	10
Grain ...	...	...	...	...	...	...	...	...	...	...	...	...	...	10234	+3	ENE	4	0	37	92	6	4000	SrCu	10	-	10
Lympne ...	10195	+2	NE	4	0	32	85	6	800	Sr	10	-	10	10227	+3	NE	5	0	33	97	6	450	Sr	10	-	10
Seilly (St. Mary's) ...	10200	+1	ESE	1	0	42	75	7	1500	Sr	10	-	10	10215	+1	E	2	0	44	92	8	4000	SrCu	10	-	10
Falmouth (Pendennis) ...	10223	0	NE	2	0	38	85	7	1500	SrCu	10	-	10	10226	+2	NE	3	0	36	85	6	1500	SrCu	10	-	10
Plymouth ...	10208	0	NE	1	b	38	92	8	-	-	0	-	0	10220	+1	NE	1	0	37	85	7	2500	Sr	10	-	10
Portland Bill ...	10205	+1	NE	4	0	34	85	7	450	Sr	10	-	10	10209	+1	NE	4	0	36	85	7	450	Sr	10	-	10
Olethot ...	10209	+1	NNE	2	0	36	85	7	2500	Sr	10	-	10	10224	+1	E	3	0	36	85	7	1500	Sr	10	-	10
Dungeness ...	10193	+2	E	4	0	36	85	8	-	-	0	ASr	10	10208	+2	BNE	5	0	35	92	7	-	-	0	ASr	10
Jersey Th. ...	10185	+1	NNE	4	0	42	75	7	1500	Sr	10	-	10	10197	+1	NE	4	0	41	75	7	4000	SrCu	10	-	10
Guernsey Th. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

WPA H. TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		Sunrise to Sunset.	
	Fore-noon.	After-noon.	Max. Day.	Min. Night.	Night	Day	Sunrise	Sunrise		Fore-noon.	After-noon.	Max. Day.	Min. Night.	Night	Day		Sunrise to Sunset.
					11h-3h.	3h-9h.	5.40	5.40						11h-3h.	3h-9h.		5.40
					min.	min.	hr.	hr.					min.	min.	hr.	hr.	
									Paignton ...	0	0	39	37	-	-	0.0	
Banff ...	0	OC	42	39	-	-	0.0		Ilfracombe ...	bcc	bc	38	36	0.3	-	5.5	
Montrose ...	0	0	43	41	-	-	0.0		Bude ...	bc	bc	38	36	0.3	-	0.0	
Llandudno ...	OC	C	39	36	-	-	0.0		Penzance ...	bc	bc	45	43	2	-	0.0	
Colwyn Bay ...	bcc	C	38	36	-	-	0.0		Torquay ...	0	0	38	38	-	-	0.0	
Rhyl ...	C	C	38	35	-	-	0.0		Weymouth ...	0	0	38	36	-	-	0.0	
Southport ...	0	CC	44	36	-	-	0.0		Bournemouth ...	0	0	37	35	0.5	-	0.0	
Blackpool ...	0	0	41	38	-	-	0.0		Portsmouth (S. Thos.) ...	0	0	40	35	-	-	0.0	
Harrogate ...	0	0	39	34	-	-	0.0		Worthing ...	0	0	38	35	-	-	0.0	
Skagness ...	0bc	bc. 0bc	42	35	-	-	0.6		Brighton ...	0	0	38	35	-	-	0.0	
Aberystwyth ...	roc	CO	41	37	2	-	0.0		Eastbourne ...	0	0	36	34	-	-	0.0	
Bath ...	0	0	37	34	-	-	0.0		Hastings ...	0	0	35	33	-	-	0.0	
Leamington Spa ...	0	bc	40	32	-	-	2.8		Folkestone ...	0	0	36	34	-	-	0.0	
Lowestoft ...	bc	bccbc	40	35	-	-	1.5		Tunbridge Wells ...	0	0	36	34	-	-	0.0	
Felixstowe ...	OC	CO	40	36	-	-	0.8		Ramsgate ...	0	0	35	33	-	-	0.0	
Southend ...	0	0	40	35	-	-	0.0		Margate ...	0	0	35	34	-	-	0.0	
									Deal ...	0	0	36	34	-	-	0.0	

Note page 1

* 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.

BRITISH SECTION.

No. B-21928

MONDAY, 5th DECEMBER 1921

Page 1.

For code see page 2

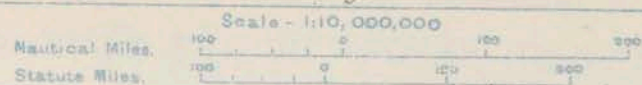
SUMMARY FOR THE PAST 24 HOURS														ISALLOBAR		5th December 1921	
STATIONS	WEATHER					TEMPERATURE			RAINFALL			SUN.	POSITION NUMBERS				
	7h-11h	11h-12h	12h-1h	1h-2h	2h-5h	MAX. Day	MIN. Night	MIN. on 7h-11h	Day 7h-11h	Night 11h-12h	Precipitation began				Precipitation hours		
Lerwick	00	00	00	00	00	44	40										
Stornoway	00	00	00	00	00	45	42										
Wick	00	00	00	00	00	42	40										
Castledyke	00	00	00	00	00												
Nairn	00	00	00	00	00	36	31										
Aberdeen	00	00	00	00	00	44	36	32									
Malin Head	00	00	00	00	00	44	43										
Reufrew	00	00	00	00	00	26	23	15									
Inchkeith	00	00	00	00	00	38	35	28									
Eastdalemuir	00	00	00	00	00	39	22	17									
Tynemouth	00	00	00	00	00	41	31										
Blackod Point	00	00	00	00	00												
Donaghadee	00	00	00	00	00	46	42										
Birr Castle	00	00	00	00	00	44	42	40									
Baldonnell	00	00	00	00	00	40	31	30									
Holyhead	00	00	00	00	00	45	38	36									
Liverpool (Bidston)	00	00	00	00	00	35	28	19									
Chester (Shotwick)	00	00	00	00	00	34	29	17									
Howden	00	00	00	00	00	43	19	14									
Spurn Head	00	00	00	00	00	43	30										
Nottingham	00	00	00	00	00	34	28	29									
Crawwell	00	00	00	00	00	34	24	16									
Gorleston	00	00	00	00	00	40	27	27									
Palham	00	00	00	00	00	38	24	14									
Felixstowe	00	00	00	00	00	38	26	21									
Valencia (Cahirovean)	00	00	00	00	00	52	52	50									
Roches Point	00	00	00	00	00	50	50										
Pembroke (St. Ann's H.)	00	00	00	00	00	39	35										
Rose-on-Wye	00	00	00	00	00	33	30	30									
Benson	00	00	00	00	00	27	27	23									
S. Varnborough	00	00	00	00	00	37	27	19									
London (New Obay)	00	00	00	00	00	34	31	29									
Croydon	00	00	00	00	00	36	29	28									
Olaeton-on-Sea	00	00	00	00	00	34	25	21									
Shoeburyness	00	00	00	00	00	39	25	13									
Grain	00	00	00	00	00	37	22	15									
Lymington	00	00	00	00	00	33	21	13									
Seilly (St. Mary's)	00	00	00	00	00	48	46										
Falmouth (Pendennis)	00	00	00	00	00	42	41										
Plymouth	00	00	00	00	00	40	37	36									
Portland Bill	00	00	00	00	00	40	34										
Calshot	00	00	00	00	00	39	31	31									
Dungeness	00	00	00	00	00	36	25										
Jersey	00	00	00	00	00	42	37										

Position	Date and Time	Steamship	Wind	Weather	Temp.
			Dir.	Force	Air
3	5 th 0300	Arundel	N	2	60°
2	4 th 1000	Anglia	S	3	46°

GENERAL INFERENCE.

The large depression to the North-West of Scotland will cause South-West winds and mild unsettled weather to spread to all districts except Eastern England during the next 24 hours.

Districts	Forecasts for the 24 hours commencing 15h. GMT Monday, 5th December, 1921.	Further Outlook
1. S.E. England	Light South-Westerly breezes; cloudy, mist or fog; cold, frost at night.	None issued.
2. E. England		
3. E. Midlands		
4. W. Midlands		
5. S.W. England	Moderate South-West wind; cloudy, some light rain or drizzle; visibility indifferent; temperature rising.	
6. South Wales		
7. North Wales		
8. N.W. England		
9. N. Midlands	Same as 1 - 4.	
10. N.E. England		
11. E. Scotland		
12. S.W. Scotland		
13. Isle of Man	Freshening South-West wind; dull, some rain; visibility indifferent; temperature rising.	
14. N. & N.W. Scotland		
15. Hebrides		
16. Orkneys and Shetlands		
17. N.W. Ireland	Fresh to strong South-West wind; dull, some rain; visibility indifferent to fair; mild.	
18. N.E. Ireland		
19. S.E. Ireland		
20. S.W. Ireland		



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4.

BRITISH SECTION MONDAY 5th DECEMBER 1921.

No. 339

STATIONS	Observations at 0100 G.M.T.												Observations at 0700 G.M.T.													
	Barom. at M.S.L.	Change in 3 Hours	Wind.		Weather.	Temp.	Humidity.	Visibility.	Height of Low Cloud.	Cloud.			Barom. at M.S.L.	Change in 3 Hours	Wind.		Weather.	Temp.	Humidity.	Visibility.	Height of Low Cloud.	Cloud.				
			Dir.	Force						Form.	Amt.	Dir.			Force	Form.						Amt.	Total Amt.			
																								0-10	10-20	20-30
Lerwick	1015.2	-2	SSW	2	b	43	85	7	-	-	-	-	1013.9	-2	SSW	5	o	46	85	7	-	-	-	-	-	-
Stornoway	1016.3	-3	SW	4	rr	44	85	4	-	-	-	-	1007.3	-5	SE	7	o	50	97	6	450	SV	10	-	-	-
Wick	1016.0	-4	SSW	4	o	44	75	8	5750	SC	10	-	1010.7	-6	SSW	5	o	43	92	8	800	SV	10	-	-	-
Castlety													1011.2			o	41	40	92	8	1500	NB	9	-	-	-
Nairn													1016.4	-4	SSW	3	o	37	97	4	1500	NB	10	-	-	-
Aberdeen													1012.7	-1	S	4	o	50	97	7	4000	SC	10	-	-	-
Malin Head	1014.1	-3	S	4	o	45	97	7	4000	NB	10	-	1017.7	-3	NE	1	o	39	92	5	1500	NB	10	-	-	-
Benfrew													1018.3	-3	SW	1	o	40	92	6	-	NB	10	-	-	-
Inchkeith	1021.7	-1	WSW	1	ffb	36	92	3	-	-	-	-	1020.8	-2	-	o	35	32	97	4	1500	NB	10	-	-	-
Bokdalumult													1021.7	-2	SW	1	o	32	97	4	-	-	o	aSV	-	-
Tynemouth	1023.5	-3	SW	2	b	33	97	4	-	-	-	-														
Blackhead Point													1017.8	-2	SSW	2	o	49	92	8	-	-	o	aSV	-	-
Dunagadue													1017.9		SE	1	o	53	97	3	2500	NB	9	-	-	-
Wick Castle													1018.7	-2	SSW	5	o	52	85	6	800	SV	7	-	-	-
Redoubt	1021.1	-1	E	1	o	40	92	4	800	SV	10	-	1018.7	-2	SW	5	o	44	97	6	800	SV	10	-	-	-
Holyhead	1022.4	-2	S	5	o	42	92	7	800	SV	10	-	1022.5	-1	SE	3	o	31	92	6	1500	NB	10	-	-	-
Liverpool (Radston)													1022.3	-2	ESE	3	o	31	92	4	800	NB	10	-	-	-
Chester (Shelby)													1024.0	-1	SW	3	o	28	97	2	1500	SV	10	-	-	-
Howden													1023.9	0	SW	2	o	30	97	5	1500	SV	10	-	-	-
Spurn Head	1025.4	0	SSW	3	b	36	92	6	1500	SV	10	-	1025.0		SW	3	o	29	92	4	-	-	o	aSV	-	-
Nottingham													1025.3	0	SW	3	o	27	92	4	450	SV	10	-	-	-
Grimsby	1026.5	0	SW	2	mo	31	97	4	1500	SV	10	-	1025.3	0	SW	3	o	27	92	4	450	SV	10	-	-	-
Gorleston	1025.4	0	HW	1	mo	29	97	4	-	-	-	-	1025.3	0	W	1	o	31	97	3	1500	SV	10	-	-	-
Pulham													1026.2	0	-	o	30	97	5	2500	SV	10	-	-	-	
Folkestone													1026.2	0	HW	2	o	27	97	2	450	SV	10	-	-	-
Valencia (Cahira)	1009.6	0	SSE	4	o	55	97	4	-	NB	9	-	1019.3	+1	S	3	o	55	92	5	225	SV	10	-	-	-
Recher Point													1019.9	0	SW	4	o	54	97	5	450	SV	10	-	-	-
Panama (St. Ann's H.)	1024.2	0	SE	3	o	45	92	8	2500	SV	10	-	1023.6	-1	S	3	o	50	85	8	2500	SV	10	-	-	-
Rangoon													1025.5	-1	SW	1	mo	32	92	4	800	SV	10	-	-	-
Bombay													1026.0	0	WSW	1	o	29	97	4	-	SV	10	-	-	-
S. Yarnborough													1026.7	0	SW	3	mo	28	97	4	1500	SV	10	-	-	-
London (Kew Obs.)													1026.4	0	SSW	2	o	31	85	5	2500	SV	10	-	-	-
Croydon	1026.4	+1			o	33	85	5	2500	SC	10	-	1026.8	0	W	1	o	29	85	6	1500	SV	10	-	-	-
Clacton-on-Sea													1025.8	0	HMW	2	mo	27	85	4	-	-	o	aSV	-	-
Chesham													1026.8	0	-	o	32	92	6	800	SV	10	-	-	-	
Grain													1026.1	+1	-	o	21	97	2	800	SV	10	-	-	-	
Lymington	1025.6	0			o	29	97	2	-	-	-	-														
Selly (St. Mary's)	1024.4	+1	S'E	2	o	49	85	8	4000	SC	10	-	1024.5	0	S'E	3	o	49	85	8	4000	SC	10	-	-	-
Plymouth (Pendennis)	1026.8	0	NE	2	o	39	92	4	1500	SC	8	-	1025.1	0	S	4	mo	47	75	4	1500	SV	10	-	-	-
Plymouth	1025.8	+1			o	38	85	7	4000	SV	10	-	1025.9	0	E	3	o	44	85	7	1500	SV	10	-	-	-
Portland Bill	1025.4	0	E	3	mo	33	85	4	450	SV	10	-	1025.9	0	SW	2	mo	35	85	7	450	SV	10	-	-	-
Calshot	1027.0	+1	HW	1	mo	33	85	5	1500	SV	10	-	1025.9	0	HW	2	mo	32	85	4	800	SV	10	-	-	-
Immingham	1026.8	+1	E	3	b	33	85	7	-	-	-	-	1025.3	0	N	1	ffb	25	97	1	450	SV	10	-	-	-
Jersey (T.H.)	1025.5	+2	NE	3	o	43	75	6	2500	SV	10	-	1025.0	0	NE	4	o	38	92	7	4000	SC	10	-	-	-

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

		WEATHER		TEMPERATURE		RAINFALL		SUNSHINE				WEATHER		TEMPERATURE		RAINFALL		SUNSHINE	
STATIONS		Forenoon	Afternoon	Max. Day	Min. Night	Night 3-4	Day 4-5	Sunrise to Sunset	Sunrise to Sunset	STATIONS		Forenoon	Afternoon	Max. Day	Min. Night	Night 3-4	Day 4-5	Sunrise to Sunset	Sunrise to Sunset
						mm.	mm.	hr.	hr.							mm.	mm.	hr.	hr.
										Paignton		09	c	40	36			0.0	0.0
										Ilfracombe		0	0	34	36			2.3	2.3
Bath	...	o.c	b.c	41	24	-	-	1.9		Bude		b	c	39	33			1.0	1.0
Montrose	...	c	b.c	42	34	-	-	3.3		Penzance		o.c	3.0	40	34				
Llandudno	...	c	c	42	31	-	-	6.1		Torquay			0	38	36			0.0	0.0
Gwynedd	...	c	c	39	24	-	-	0.0		Weymouth		c	0	35	36			0.0	0.0
Isht...	...	c.b	b.c	39	25	-	-	6.8		Bournemouth		0	0	34	34			0.0	0.0
Seaside	...	nb	b	36	20	-	-	4.4		Portsmouth (S. Sea)		b.c	b.c	39	34			0.0	0.0
Blackpool	...	bm	bm	36	28	-	-	3.4		Worthing		o.c	c.0	34	33			0.5	0.5
Harrogate	...	b	b	39	24	-	-	2.5		Brighton		0	b.c	37	34			0.0	0.0
Skegness	...	b	b	40	34	-	-	6.3		Eastbourne		0	0	46	33			0.0	0.0
Aberystwyth	...	c.b	b.b	40	30	-	-	6.3		Hastings		0	0	34	30			0.0	0.0
Bath	...	0	0	35	24	-	-	0.0		Folkestone		0	0	35	31			0.0	0.0
Leamington Spa	...	c.b	c.b	35	24	-	-	0.3		Tunbridge Wells		0	0	35	31			0.0	0.0
Lowestoft	...	b.b	b.c	39	25	-	-	2.2		Ramsgate		0	b.c	34	32			0.0	0.0
Folkestone	...	c	b	34	36	-	-	0.4		Margate		0	0	36	30			0.0	0.0
Southend	...	0	0	34	30	-	-	0.0		Deal		c	0	35	33			0.0	0.0

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 21929

Tuesday, 6th December 1921.

Page 1.

STATIONS.	Observations at 1800 G.M.T.													Observations at 1800 G.M.T.												
	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp.	Humidity.	Visibility.	Height of Low Cloud.	Cloud.			Sea.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp.	Humidity.	Visibility.	Height of Low Cloud.	Cloud.			Sea.
			Direc.	Force						Form.	Amt.	Total Amt.				Direc.	Force						Form.	Amt.	Total Amt.	
m.h.	0-12					%	0-9	Feet	0-10		0-10	0-9	m.h.	0-12						%	0-9	Feet	0-10		0-10	0-9
Lewick	1008.4	-8	S	6	off	46	97	3	Nb	10	10	10	1005.2	+2	WSW	6	off	50	97	3	450	Nb	10	10	10	
Harlow	1006.1	-2	SW	5	off	54	97	3	450	St	10	10	1008.3	+3	SW	2	off	51	92	5	450	St	10	10	10	
Wick	1007.1	-5	SSW	4	off	48	92	8	5750	St	5	ASr	10	1008.5	+3	SW	1	C	50	97	8	5750	St	3	ASr	8
Castell	1010.7	0	SW	5	off	53	97	5	800	Nb	10	10	1010.5	0	WSW	4	off	53	97	5	450	Nb	10	10	10	
Edinburgh	1012.7	-3	SSW	4	off	41	97	5	1500	St	10	10	1010.0	0	W	1	0	53	85	3	1500	St	9	10	10	
Black Head	1013.8	0	SW	3	off	55	92	5	4000	Nb	9	10	1011.9	-1	WSW	3	0	52	85	3	4000	St	9	10	10	
Malinbeg	1015.4	-3	SW	3	off	51	92	5	2500	Nb	10	10	1013.8	0	SW	3	off	52	97	5	1500	Nb	10	10	10	
Malinbeg	1015.1	-3	WSW	4	off	46	92	8	1500	St	9	ASr	10	1014.0	+2	WSW	4	off	51	92	9	1500	St	10	10	10
Malinbeg	1019.7	-2	S	1	off	37	97	2	450	Nb	10	10	1018.2	0	SSW	4	off	47	97	2	450	Nb	10	10	10	
Malinbeg	1019.0	-3	SW	2	off	36	97	3	4000	Nb	10	10	1018.0	-1	SW	2	off	48	92	6	10	10	10	10		
Blackhead Point	1017.9	0	W	1	C	53	97	8	5750	St	8	10	1017.9	+1	SSE	1	C	52	91	8	5750	St	9	10	10	
Blackhead	1019.2	0	SW	1	C	56	92	6	4000	St	8	10	1019.8	0	SSW	2	C	54	92	6	2500	St	8	10	10	
Blackhead	1019.8	0	SSW	4	0	55	85	8	1500	St	10	10	1020.3	0	SSW	5	0	54	85	7	1500	St	6	10	10	
Blackhead	1021.2	0	SSW	4	off	52	97	4	1500	St	10	10	1021.5	+1	S	3	0	53	97	6	800	St	10	10	10	
Blackhead	1022.0	-1	SE	2	off	39	92	6	1500	Nb	10	10	1021.9	+1	SW	3	off	49	92	8	1500	St	10	10	10	
Blackhead	1021.3	-2	S	4	off	39	97	4	800	Nb	10	10	1021.6	+2	S	1	0	46	97	5	2500	St	10	10	10	
Blackhead	1022.8	-3	SW	3	off	52	92	3	800	Nb	10	10	1022.4	0	S	2	0	36	97	4	800	St	10	10	10	
Blackhead	1023.9	0	E	2	off	32	92	5	1500	St	10	10	1022.8	-1	SW	3	off	38	97	5	1500	St	10	10	10	
Blackhead	1024.4	0	SW	2	off	33	92	5	2500	Nb	10	10	1024.1	0	SW	3	off	39	97	5	2500	Nb	10	10	10	
Blackhead	1025.0	-1	SSW	3	off	32	92	5	450	Nb	10	10	1024.5	0	SSW	3	off	38	97	4	800	St	10	10	10	
Blackhead	1025.1	-1	SW	3	off	33	92	5	1500	St	10	10	1024.8	-1	WSW	3	off	33	92	3	1500	St	10	10	10	
Blackhead	1026.0	0	SW	3	0	36	97	5	1500	St	10	10	1025.9	0	SW	3	off	32	92	4	1500	Nb	10	10	10	
Blackhead	1026.6	-2	SW	3	0	32	85	4	800	St	10	10	1027.1	+1	SW	3	off	31	97	3	450	St	10	10	10	
Blackhead	1020.2	0	S	4	0	36	92	8	800	St	10	10	1021.1	+2	S	4	0	55	97	7	450	St	10	10	10	
Blackhead	1021.4	0	SSW	3	0	54	97	1	2500	St	10	10	1022.7	+1	SW	3	off	53	97	2	450	St	10	10	10	
Blackhead	1024.2	+1	S	4	mo	50	92	1	800	Nb	10	10	1024.7	+1	S	4	mo	52	97	6	450	Nb	10	10	10	
Blackhead	1025.1	-1	SW	1	0	41	85	5	1500	St	6	ASr	10	1024.1	0	SW	3	off	44	92	6	1500	St	10	10	10
Blackhead	1026.3	-3	SSW	2	0	33	92	4	1500	St	10	10	1024.4	+1	SSW	1	0	38	92	4	1500	St	10	10	10	
Blackhead	1027.3	-2	SSW	2	mo	34	92	5	1500	St	10	10	1027.1	0	SW	2	mo	40	92	6	4000	St	10	10	10	
Blackhead	1026.9	-3	WSW	2	mo	32	85	4	1500	St	10	10	1027.1	0	SW	2	mo	36	92	3	1500	St	10	10	10	
Blackhead	1027.1	-2	WSW	3	0	31	92	5	800	St	10	10	1027.0	0	SW	3	0	38	92	3	800	St	10	10	10	
Blackhead	1027.0	-2	SE	2	mo	32	75	5	3500	St	10	10	1027.0	+1	WSW	3	off	33	85	2	1500	St	10	10	10	
Blackhead	1027.2	-1	SW	3	0	31	85	5	800	St	10	10	1027.4	0	WSW	1	0	36	97	5	800	St	10	10	10	
Blackhead	1027.3	-1	W	2	mo	30	97	4	450	St	10	10	1027.5	+1	W	1	0	33	97	5	225	St	10	10	10	
Blackhead	1025.4	0	SSW	3	0	51	85	8	4000	St	10	10	1024.0	0	SW	3	0	53	92	8	4000	St	10	10	10	
Blackhead	1026.3	-1	S	4	mo	50	75	7	1500	St	10	10	1026.9	0	SSW	3	mo	50	85	7	1500	St	10	10	10	
Blackhead	1026.5	0	S	3	off	48	75	7	2500	St	6	ASr	10	1026.9	0	S	2	0	50	85	8	2500	St	10	10	10
Blackhead	1025.9	0	WSW	2	off	42	85	7	1500	St	9	10	1025.9	0	WSW	3	0	45	85	7	450	St	10	10	10	
Blackhead	1027.4	-2	SW	1	0	41	75	7	1500	St	10	10	1027.7	0	SW	1	0	44	75	8	1500	St	10	10	10	
Blackhead	1026.7	+1	N	2	mo	32	97	6	4000	St	9	10	1027.3	+1	WSW	3	C	35	97	6	4000	St	7	10	10	
Blackhead	1027.9	0	NE	3	0	42	85	7	4000	St	10	10	1028.4	0	NE	2	0	41	92	7	4000	St	10	10	10	

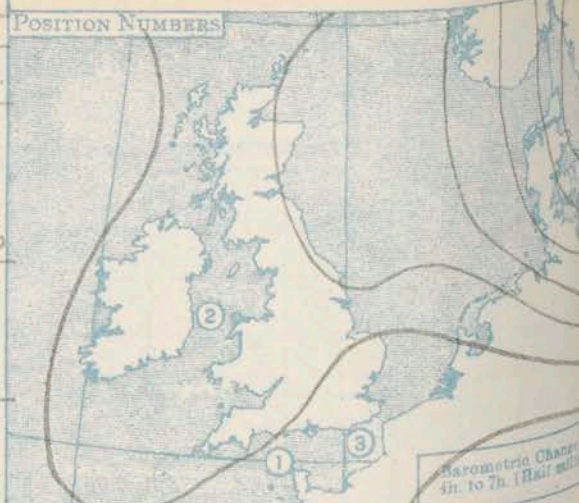
LONDON OBSERVATIONS.				WEATHER.			TEMPERATURE.			RAIN-FALL.		HUMIDITY.		ATMOSPHERIC POLLUTION. Lbs. of Solid Impurity per million cubic yards.		SOLAR RADIATION. Vertical component per square centimetre.		PORT STAR RECORD at Greenwich Obsy.											
				Morn- ing.	After- noon.	Night.	Max. of.	Min. of.	Min. on Gauss. of.	Day.	Night.	15h. G.M.T.	Wh. G.M.T.																
24 HOURS ENDED 0000 G.M.T.				6 th			YESTERDAY.		TO-DAY.		24 Hrs. ended 1800 G.M.T.		5 th		During yesterday.			Exposure from to 6 th 06.53.00.											
Greenwich (Royal Obsy.)				0	0	0	48	29	35	-	-	0.0	-	-	South Kensington		South Kensington.		Total.....	Stars.	Expo- sure.	Record.							
City (Chancery Row)				0	0	0	48	29	35	-	-	0.0	-	-	Max. 2 1800 4 th 3 1800 5 th		Min. 2 000 02.30 3 3 rd		Average Rate			Polaris							
Regent's Pk. (Botanical Obsy.)				0	0	0	48	30	29	-	-	0.0	-	-	New Observatory		Max. 0.5 1700 4 th 1 1500 5 th		Min. 0.5 2400 4 th		Maximum Rate			2 Ursa					
Chancery Pk. (Brit. Rainfall)				0	0	0	48	29	28	-	-	8.3	9.4							Minoris			13.30						
Remington Palace				0	0	0	47	30	36	-	-	9.1 (15h)	9.7																
Remington Observatory				0	0	0	46	27	27	-	-	0.0	-	-															
RADIO DISTURBANCES (Atmospherics) AT CROYDON.				TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.						BEAUFORT NOTATION OF WEATHER.						THE BEAUFORT SCALE OF WIND is used only for surface observations. In the accom- panying table the speed of the wind corresponding with the different numbers is the speed at about 33 feet above the ground.						SEA DISTURBANCE.							
				6 th + 7 th December 1931						With present weather is com- bined, whenever possible, the general character of the weather. A "solidus" divides actual exist- ing weather from preceding condi- tions, thus: - br = fair weather after rain; i = intermittent; - = "decreasing"; + = "increasing"; br = "b" hail or "rain and hail"; Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus: - rr = heavy rain. rrr = continuous moderate rain. rrrr = continuous light rain.						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. i fog h hail. KQ line squall, i lightning. m mist. o overcast sky. p passing showers. r rain. rs short, l.e., rain and snow together. s snow. t thunder. u unusual visibility. y dry air. z dust haze: the torrid atmo- sphere of dry weather.						0=no swell 1=mod. swell 2=heavy swell 3=no swell 4=mod. swell 5=heavy swell 6=rough rough sea. 7=rough sea. 8=very rough sea. 9=mountainous sea						Calm or light sea. Moderate sea. 7-rough sea. 8-very rough sea. 9-mountainous sea	
				STATIONS.			Sunrise.			Noon.			Sunset.																
				G.M.T.			G.M.T.			G.M.T.																			
				Yarmouth			7.43			11.44			5.34																
				Greenwich			7.51			11.51			5.31																
				Wick			8.47			12.3			3.30																
				Valencia			8.49			12.4			3.19																
							8.35			12.32			3.29																
							8.37			12.33			3.34																

SUMMARY FOR THE PAST 24 HOURS

ISALOBARS

6th December

STATIONS	WEATHER				TEMPERATURE			RAINFALL				HOURS
	7h-12h	12h-18h	18h-24h	24h-7h	MAX. Day	MIN. Night	MIN. on GRAPE	Day 7h-12h	Night 12h-18h	Precipitation began	Precipitation ended	
Lerwick	rr	rdm	rd	00	50	47	.	7	0.4	10800	12100	.
Stornoway	rd	rd	rd	00	55	48	.	4	9	.	.	0.0
Wick	rr	00	rr	00	51	49	.	6	7	10800	12100	.
Castlebay	00	rr	rr	rr	53	53	.	2	3	9.0	12100	0.0
Nairn	00	00	.	.	55	52	.	.	0.4	.	.	0.0
Aberdeen	rrfm	00	.	00	52	51	45	4	.	10800	.	0.0
Malin Head	00	00	00	00	55	53	.	.	.	.	.	0.0
Renfrew	omdd	omdd	omrr	rd	53	51	49	0.3	2	10800	0330	0.0
Inchkeith	00	00	00	rd	52	50	48	0.2	Trace	1730	0330	.
Eskaideuir	rrsmd	rd	rd	00	47	46	46	2	0.1	10800	12100	0.0
Tynemouth	ffid	ffm	barb	oom	49	48	.	2	.	1430	.	.
Blackod Point	.	.	.	.	.	.	.	.	.	.	.	.
Donaghadee	00	c	bc	bc	55	51	.	0.2	.	10800	.	.
Birr Castle	00	mc	c.o	oid	56	51	44	0.1	Trace	11.0	0630	0.0
Baldonnell	rd	00	c	rd	55	52	47	0.1	Trace	10800	0130	0.0
Holyhead	03md	ddm	f	om	54	52	51	4	Trace	10800	.	0.0
Liverpool (Bidston)	rd	rd	c	.	53	?	?	0.2	.	10800	.	0.0
Sheaf (Rothwick)	ddg	om	om	.	47	46	.	2	.	10800	.	.
Howden	rd	fm	00	.	36	35	25	2	Trace	10800	.	0.0
Spurn Head	00	rd	f	om	39	38	.	0.1	.	.	.	0.0
Nottingham	rd	rd	f	om	39	38	37	1	.	9.0	.	0.0
Cranwell	rr	rd	om	om	38	38	38	1	Trace	11.0	.	0.0
Gorleston	F	fm	f	om	33	33	32	.	.	.	.	0.0
Pulham	00	00	f	om	32	32	30	.	Trace	.	12100	0.0
Felixstowe	fm	fm	f	om	34	31	30	.	0.1	.	.	0.0
Valencia (Oahirciveen)	0	00	c.o	0	56	55	53	0.5	0.1	1630	12100	0.0
Roche Point	mdo	offe	ddo	rd	55	53	.	0.4	1	10800	12100	.
Pembroke (St. Ann's H.)	00	offe	00	00	52	52	.	0.6	0.3	1230	2400	0.0
Ross-on-Wye	00	offe	om	om	44	44	44	0.2	.	1230	.	0.0
Beneon	00	00	00	00	38	37	34	.	.	.	.	.
S. Farnborough	fm	fm	rd	rd	40	39	38	.	Trace	.	0530	0.0
London (Kew Obs.)	om	om	om	om	36	36	34	.	.	.	.	0.0
Croydon	om	om	om	om	38	38	37	.	0.1	.	0530	0.0
Olacton-on-Sea	.	om	om	om	33	33	32	.	.	.	.	0.0
Shoeburyness	fm	fm	f	om	44	34	32	.	.	.	.	0.0
Grain	00	omim	00	00	36	35	32	.	Trace	.	.	0.0
Lymington	00	om	00	offe	33	33	35	0.1	Trace	.	.	0.0
Soilly (St. Mary's)	00	00	00	00	53	51	.	.	.	.	.	0.0
Falmouth (Pendennis)	om	om	om	om	56	50	.	.	.	.	.	0.0
Plymouth	c	00	rd	rd	50	50	49	.	0.2	.	12100	1.1
Portland Bill	00	00	00	rd	48	44	.	.	0.4	.	0530	.
Calshot	fm	00	f	om	44	42	41	.	0.3	.	.	0.0
Dungeness	mx	om	00	rd	37	35	.	.	0.4	.	0230	.
Jersey	0	00	f	om	43	36	.	.	.	.	.	0.0



Observations from Cross Channel Steamers

Position	Date and Time	Steamship	Wind		Weather	Temp	
			Dir.	Force		Air	Sea
3	5 ^h 0300	Arundel	N	2	co-	54	51
2	5 ^h 1000	Anglia	SW	6	om	54	51
3	6 ^h 0300	Dieppe	WSW	4	co	44	51

GENERAL INFERENCE

The present distribution of pressure favours the passage of depressions past our North-West coasts which will maintain mild South-Westerly winds over all districts and intermittent rain which during the next day or two is not likely to amount to much over South-East England.

Districts

Forecasts for the 24 hours commencing 15h, G.M.T. Tuesday, 6th December 1921.

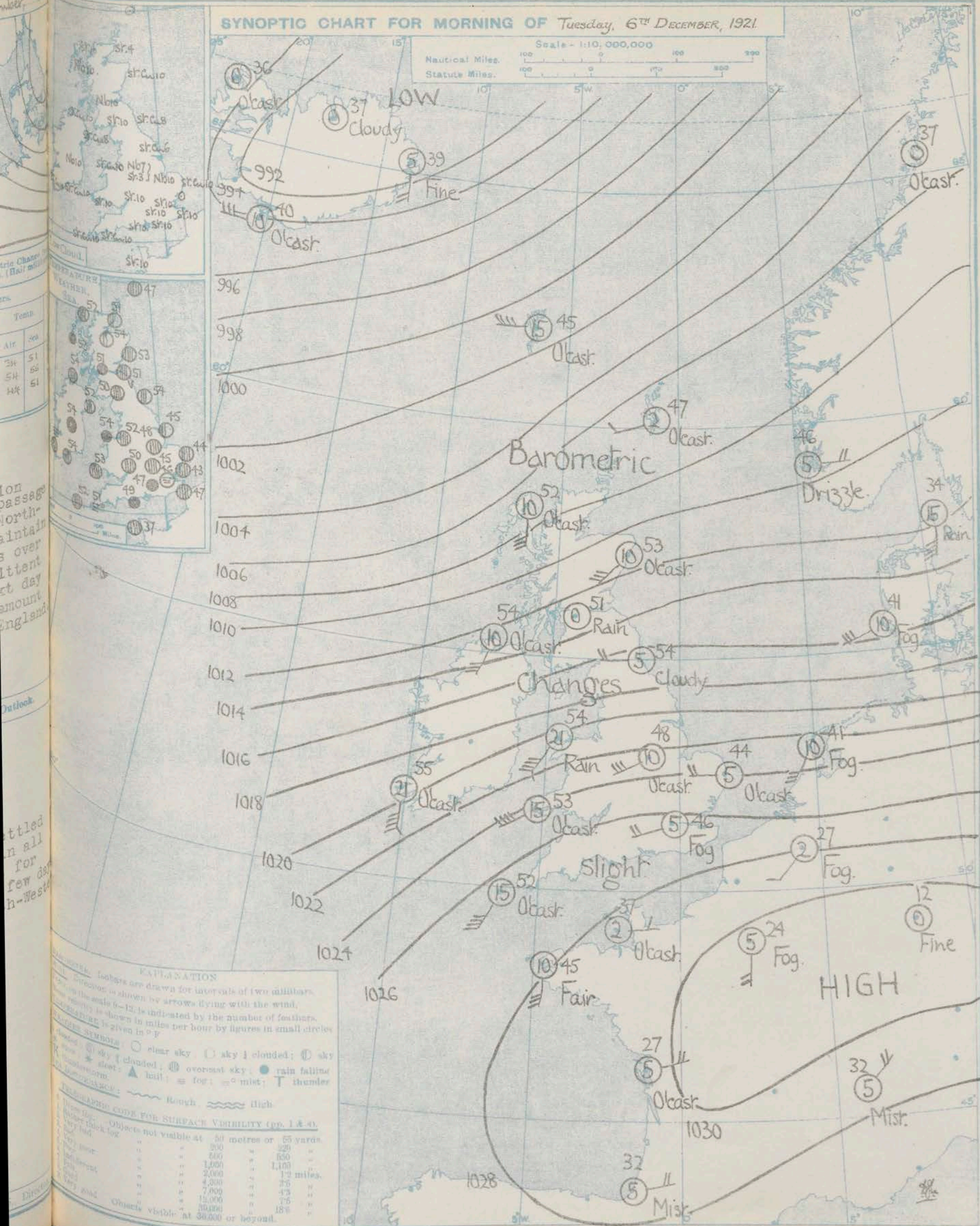
Further Outlook

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
14. N. & N.W. Scotland
15. Hebrides
16. Orkneys and Shetlands
17. N.W. Ireland
18. N.E. Ireland
19. S.E. Ireland
20. S.W. Ireland

Light to moderate South-Westerly winds; much low cloud, some light rain or drizzle; visibility indifferent to fair; mild.

Moderate South-Westerly winds; much low cloud; some rain; visibility fair; mild.

Mild unsettled weather in all districts for the next few days with South-Westerly winds.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4.

BRITISH SECTION. Tuesday, 6th December 1921.

No. 340.

STATIONS.	Observations at 6100 G.M.T. 6 th														Observations at 0700 G.M.T. 6 th													
	Barom. at M.S.L. m.b.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Sea.	Barom. at M.S.L. m.b.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.					
			Dirac.	Force.						Form.	Amt. 0-10	Total Amt. 0-10				Dirac.	Force.						Form.	Amt. 0-10	Total Amt. 0-10			
Lerwick ...	1007.9	+2	SW	3	o/r	48	97	7	7250	ND	10	-	10	1007.2	0	WSW	1	0	47	97	7	-	-	0	AS	10		
Stornoway ...	1006.4	-2	-	0	o/r	50	97	0	800	St	10	-	10	1006.3	0	S	3	0	52	92	6	800	SV	10	-	4		
Wick ...	1007.4	-1	SW	3	o/r	50	97	0	800	St	10	-	10	1006.2	-1	SW	1	bc	51	97	8	800	SV	4	-	10		
Castletown ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1009.8	0	W	4	o/r	53	97	4	800	ND	10	-	5		
Nairn ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1008.1	0	WSW	2	bc	54	92	8	4000	CU	5	-	10		
Aberdeen ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1010.8	-1	SSW	3	0	53	85	6	4000	SV	10	-	10		
Malin Head ...	1013.0	0	S	3	0	54	92	8	4000	ND	10	-	10	1012.9	-2	SSW	3	0	54	97	8	5750	SV	10	-	10		
Renfrew ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1014.2	0	SW	5	o/r	51	92	5	800	ND	10	-	9		
Inchkeith ...	1014.4	+3	WSW	5	o/r	52	85	9	-	SV	4	AS	10	1012.6	-1	WSW	5	o/r	51	85	9	-	SV	9	-	10		
Eskdalemuir ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1017.0	-2	SW	5	0	50	97	7	1500	SV	10	-	8		
Tynemouth ...	1017.5	0	SW	2	b	50	92	6	-	-	0	-	0	1016.4	-1	W	2	c	54	85	7	5750	SV	8	-	-		
Blackad Point ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1017.0	-1	SW	2	c	52	85	8	5750	SV	8	-	8		
Donaghadee ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1018.9	1	S	2	od	54	97	3	800	ND	10	-	10		
Birr Castle ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1019.1	-1	SSW	4	o	53	85	7	1500	SV	9	AS	10		
Baldonnell ...	1020.5	-1	SW'S	5	0	54	85	7	1500	SV	10	-	10	1021.0	0	SW'S	5	o/r	54	97	8	1500	SV	10	-	10		
Holyhead ...	1021.7	0	SW	5	0	54	85	7	800	St	10	-	10	1021.0	-1	SW	3	0	52	85	7	1500	ND	10	-	10		
Liverpool (Bidston) ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1021.0	-1	SW	3	o/r	55	75	5	450	St	10	-	10		
Chester (Shotwick) ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1020.5	-1	SW	2	0	48	97	6	2500	SV	6	AS	4		
Howden ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1021.3	0	SSW	3	bc	45	97	6	1500	SV	4	-	10		
Spurn Head ...	1021.5	+2	SW	3	im	43	97	5	450	St	10	-	10	1022.5	0	WSW	3	0	48	92	4	2500	ND	10	-	10		
Nottingham ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1022.6	0	SW	5	o/r	48	92	7	800	St	10	-	10		
Grimm ...	1023.5	0	WSW	4	0	46	92	6	800	St	10	-	10	1023.7	-1	W	2	o/r	44	97	7	7250	SV	10	-	10		
Gorleston ...	1024.3	0	SW'S	3	im	38	97	5	4000	St	10	-	10	1024.5	0	SW'S	2	o/r	41	97	6	2500	SV	10	-	10		
Pulham ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1025.7	0	SW	3	ff	43	97	3	225	St	10	-	10		
Felixstowe ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1019.7	-1	S	5	0	55	85	7	1500	SV	10	-	10		
Valencia (Cabrero) ...	1020.3	0	WSW	4	0	55	92	5	-	St	9	-	9	1023.6	0	SW	4	0	54	92	8	2500	SV	10	-	10		
Reches Point ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1023.1	-1	SW	4	0	53	92	8	1500	SV	10	-	10		
Pembroke (St. Ann's H.) ...	1025.8	0	SW	4	oD	53	97	6	800	ND	10	-	10	1024.7	-1	SW'S	2	0	50	92	6	1500	SV	10	-	10		
Ross-on-Wye ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1025.4	+1	SSW	2	0	45	92	4	-	SV	10	-	10		
Benson ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1026.4	+1	SSW	1	od	47	97	5	1500	SV	10	-	10		
S. Farnborough ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1026.6	0	WSW	2	im	46	97	4	1500	St	10	-	10		
London (Kew Obs.) ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1026.5	0	SW	3	o/r	45	97	5	450	St	10	-	10		
Croydon ...	1026.9	0	-	0	oD	41	97	5	800	St	10	-	10	1025.5	0	W	2	0	43	97	3	-	0	AS	10			
Clacton-on-Sea ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1026.0	0	SW	1	ff	44	85	2	800	St	10	-	10		
Shoeburyness ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1026.4	0	SW	1	o/r	45	97	5	2500	SV	10	-	10		
Grain ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1026.2	0	-	0	ff	42	97	1	4150	SV	10	-	10		
Lymington ...	1027.3	0	W'S	1	0	39	97	6	450	St	10	-	10	1027.1	0	SSW	4	0	52	92	8	4000	SV	10	-	10		
Seilly (St. Mary's) ...	1026.9	0	SW	3	0	53	92	8	4000	SV	10	-	10	1027.1	0	ND	3	im	51	85	7	1500	SV	10	-	10		
Plymouth (Pendennis) ...	1027.3	0	HW	3	im	52	85	7	1500	ND	10	-	10	1026.7	-1	SW	4	od	53	92	8	1500	SV	10	-	10		
Plymouth ...	1027.5	0	SSW	4	od	52	97	8	1500	ND	10	-	10	1027.3	0	WSW	3	od	49	85	6	450	SV	10	-	10		
Portland Bill ...	1027.3	+2	WSW	3	0	43	85	8	1500	St	10	-	10	1027.2	0	SW'S	2	od	49	97	4	800	SV	10	-	10		
Calshot ...	1027.9	0	-	0	off	47	85	8	1500	St	10	-	10	1026.4	0	SW	3	o/r	47	97	6	-	0	AS	10			
Dungeness ...	1027.4	0	W	3	c	44	97	8	-	-	0	AS	7	1026.7	0	E	1	0	37	85	7	1500	St	10	-	10		
Jersey 7h ...	1029.2	+1	SSW	3	0	43	85	6	2500	St	10	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-		
Guernsey 1h ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

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

WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
STATIONS.	Fore-noon.	After-noon.	Max. Day of.	Min. Night of.	Night 12h-5h. of.	Day 5h-12h. of.	Sunrise to Sunset hr.	STATIONS.	Fore-noon.	After-noon.	Max. Day of.	Min. Night of.	Night 12h-5h. of.	Day 5h-12h. of.	Sunrise to Sunset hr.
					mm.	mm.	hr.	Paignton	obco	o	48	35	-	-	0.0
Banff	o	o	56	36	6	-	0.0	Ilfracombe	o	od	47	35	-	0.1	0.0
Montrose	o	o	50	31	3	0.2	0.0	Bude	o	o	47	44	-	-	0.0
Llandudno	fo	oc	54	30	1	0.3	0.0	Penzance	o	od	51	40	-	-	2.1
Golwyn Bay	cp	c	51	27	0.3	1	0.0	Torquay	ocb	o	49	36	-	-	0.0
Rhyl	fo	om	40	28	1	2	0.0	Weymouth	fo	o	46	34	-	-	0.0
Southport	fo	om	39	28	1	1	0.0	Bournemouth	o	o	44	32	-	-	0.0
Blackpool	mo	od	39	28	1	1	0.0	Portsmouth (S' thea)	o	o	43	32	-	-	0.0
Harrogate	or	of	44	27	1	4	0.0	Worthing	o	o	39	31	-	-	0.0
Skegness	o	of	34	29	-	1	0.0	Brighton	o	o	40	31	-	-	0.0
Aberystwyth	roc	co	52	31	0.3	-	0.0	Eastbourne	o	o	40	27	-	-	0.0
Bath	o	o	45	31	-	-	0.0	Hastings	xam	our	36	26	-	-	0.0
Leamington Spa	o	o	40	28	-	-	0.0	Folkstone	o	o	38	27	0.1	-	0.0
Lowestoft	of	om	35	29	-	-	0.0	Tenbridge Wells	o	o	36	26	-	-	2.4
Folkestone	of	om	33	24	-	-	0.0	Ramsgate	fo	o	33	28	-	-	0.0
Southend	fo	o	35	30	-	-	0.0	Margate	bmf	o	36	31	-	-	0.0
								Deal	fb	bf	34	26	-	-	0.0

* Information for these columns not usually received

† Trace = rain has fallen, but amount less than 0.1 mm.

‡ For code see page 5

§ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B.21,930

Wednesday, 7th December 1921.

Page 1.

STATIONS.		Observations at 1500 G.M.T.													Observations at 1800 G.M.T.															
		Barom. at M.S.L. m.b.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L. m.b.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Sea.				
				Direc.	Force						Form.	Amt.	Direc.			Force	Form.						Amt.							
																								0-10	10-100		100-1000	0-10	10-100	100-1000
Letwick	1005.3	-4	SW	3	add.	48	97	1	500	Nb	10	10	1002.6	-2	WSW	1	add.	49	97	2	2500	Nb	10	10	0					
Bournemouth	1005.0	-2	SW	1	0	53	97	6	450	St	10	10	1001.0	-4	SW	1	0	52	97	6	450	St	10	10	0					
Wick	1005.8	-1	SSW	1	0	52	97	8	5750	St	10	10	1001.8	-4	SW	3	0	52	97	9	800	St	7	ASr	0					
Canterbury	1007.9	-2	SW	4	0	53	97	4	800	Nb	10	10	1003.3	-5	WSW	3	0	49	92	6	1500	St	10	10	6					
Malin	1007.9	-2	SW	4	0	53	97	4	800	Nb	10	10	1003.1	-5	WSW	3	0	49	92	6	1500	St	10	10	6					
Aberdeen	1009.2	-4	SW	3	0	54	85	8	4000	St	10	10	1005.8	-4	SSW	3	0	53	92	6	2500	Nb	10	10	0					
Malin Head	1011.4	-2	SSW	3	0	54	92	8	4000	St	10	10	1007.9	-3	SW	4	0	54	97	7	2500	Nb	10	10	3					
Benbow	1013.9	-2	SW	3	add.	52	97	8	1500	Nb	10	10	1006.7	-6	SW	4	add.	54	97	5	1500	Nb	10	10	1					
Inchkeith	1012.1	-2	WSW	4	add.	52	85	8	1500	St	2	ASr	1007.2	-5	WSW	5	0	53	85	9	1500	St	7	ASr	10					
Edinburgh	1015.9	-2	SW	3	0	51	97	7	800	Nb	10	10	1011.8	-5	SW	3	0	49	97	6	800	Nb	10	10	1					
Tynemouth	1016.4	+1	W	2	0	55	85	6	1500	St	10	10	1013.5	-2	W	3	0	53	92	6	1500	St	10	10	1					
Blackhead Point	1015.7	-2	SW	2	0	54	92	8	2500	St	10	10	1011.9	-4	WSW	3	0	54	92	8	2500	St	10	10	2					
Donaghadee	1017.5	-2	SW	2	0	56	85	6	2500	St	9	10	1016.0	-2	SSW	4	0	53	97	3	1500	Nb	10	10	1					
Birr Castle	1018.4	-2	SSW	3	0	55	85	7	1500	St	9	ASr	1015.7	-2	SSW	6	add.	53	92	5	1500	St	10	10	1					
Baldonnell	1019.7	-2	SW	6	add.	54	92	7	800	Nb	10	10	1017.2	-3	SW	6	0	54	92	7	800	St	10	10	4					
Holyhead	1019.8	-2	SW	3	0	54	75	8	1500	St	10	10	1017.6	-3	SW	6	0	53	75	8	1500	St	10	10	5					
Liverpool (Bidston)	1020.2	-2	SW	3	0	56	75	9	450	St	10	10	1017.4	-3	SW	6	0	55	75	9	450	St	6	ASr	10					
Chester (Shotwick)	1020.0	-2	SW	3	0	53	85	5	2500	St	7	ACu	1017.4	-3	SW	5	0	52	85	6	2500	St	10	10	1					
Howden	1020.0	-1	SW	3	0	51	85	6	1500	St	8	10	1016.1	-2	SW	5	0	50	85	5	1500	St	10	10	3					
Spurn Head	1021.9	-1	SW	4	0	53	85	5	1500	Nb	10	10	1020.2	-2	SW	5	0	52	92	6	2500	Nb	10	10	1					
Southampton	1022.2	-1	SW	4	0	52	85	6	2500	St	10	10	1020.4	-2	SW	6	0	52	85	6	2500	St	10	10	1					
Gravelly	1023.1	-1	WS	3	0	51	85	7	1500	St	10	10	1022.3	-1	SW	3	0	50	85	7	7250	St	10	10	1					
Portsmouth	1023.0	-1	SW	3	0	54	85	7	1500	St	10	10	1022.6	-1	SW	3	0	51	85	5	2500	St	10	10	1					
Wick	1025.2	-2	SW	3	0	49	92	3	4000	St	8	10	1024.4	-1	SSW	4	0	47	97	3	4000	St	10	10	0					
Valencia (Cahirovee)	1018.0	-3	S	6	0	56	92	7	800	St	10	10	1019.9	+4	SW	4	0	56	92	6	450	St	10	10	4					
Roche Point	1022.4	-1	SW	5	0	53	92	7	800	St	10	10	1021.1	+1	SW	4	add.	54	92	5	800	Nb	10	10	6					
Pembroke (St. Ann's H.)	1024.4	0	SW	4	0	53	92	7	1500	St	10	10	1022.9	-1	SW	4	0	53	92	8	1500	St	10	10	4					
Ross-on-Wye	1024.2	-1	SW	3	0	52	85	7	2500	Nb	10	10	1022.9	-1	SW	6	0	52	85	7	2500	Nb	9	ASr	10					
Barnard	1025.4	-1	SW	3	0	51	85	5	1500	St	10	10	1024.4	-1	SW	3	0	50	85	5	1500	St	10	10	1					
St. Barnborough	1026.0	-1	WS	3	0	51	92	7	1500	St	10	10	1025.6	0	SW	4	0	49	97	6	2500	St	10	10	1					
London (Kew Obs.)	1025.4	-2	SW	3	0	52	85	5	1500	St	8	ASr	1024.9	0	SW	3	0	50	92	5	1500	St	10	10	1					
Croydon	1025.8	-2	SSW	3	0	50	92	6	1500	St	10	10	1025.3	-1	SW	3	0	49	97	5	800	St	10	10	1					
Chatham-on-Sea	1025.3	-1	SW	1	0	50	85	3	4000	St	9	10	1024.3	0	WSW	3	0	47	92	2	7250	St	3	ASr	10					
Sheerness	1025.6	-2	SW	2	0	51	85	6	3750	St	10	10	1025.0	0	SW	3	0	48	92	3	1500	St	10	10	0					
Lymington	1026.5	-1	SSW	3	0	48	97	1	1500	St	10	10	1024.4	-2	SW	2	0	48	92	5	5750	St	10	10	0					
Billy (St. Mary's)	1025.7	0	SSW	3	0	53	85	8	4000	St	7	10	1026.5	0	WS	4	0	52	85	5	4000	St	10	10	5					
Walsmouth (Parsloes)	1026.4	0	SW	5	0	52	85	7	2500	St	8	10	1026.4	+1	W	2	0	50	75	7	2500	St	8	10	3					
Plymouth	1026.8	-1	SW	4	0	52	92	8	1500	St	10	10	1026.5	0	SSW	5	0	52	85	8	1500	St	10	10	3					
Portland Bill	1027.3	0	SW	5	0	51	85	7	450	St	10	10	1027.3	0	SW	5	0	51	85	7	450	St	10	10	3					
Calshot	1027.0	-2	SW	3	0	49	97	8	800	St	10	10	1027.0	+1	SW	3	0	48	97	5	800	Nb	10	10	6					
Dungeness	1026.2	0	WSW	3	0	49	97	6	800	St	10	10	1025.2	0	WSW	3	0	49	97	8	1500	St	10	10	3					
Jersey	1028.9	0	SSE	2	0	39	92	7	1500	St	10	10	1028.7	0	SSE	2	0	39	92	7	1500	St	10	10	0					

LONDON OBSERVATIONS		WEATHER			TEMPERATURE		RAIN-FALL Inch	SUN- SHINE to Sunset hrs	HUMIDITY		ATMOSPHERIC POLLUTION. lbs. of Solid Impurity per million cubic yards.	SOLAR RADIATION. Vertical component per square centimetre.	POLE STAR RECORD at Greenwich Obey.					
		Morn- ing.	After- noon.	Night.	Max. °F.	Min. °F.			10h. G.M.T.	9h. G.M.T.			Exposure from 6 ^h ^h 09 ^m to 7 ^h 06..... ^h 30 ^m	Stars.	Expo- sure.	Record.		
Low	24 hours ended 0700																	
Croydon		0.0	0.0	0.0	54	48	44	Fr	0.2	*								
Greenwich (Royal Obey.)		0.0	0.0	0.0	54	48	44	Fr	0.0	*								
City (Benchill Row)		0.0	0.0	0.0	54	48	44	Fr	0.4	89	90							
Westminster (St. James' Pk.)		0.0	0.0	0.0	53	48	45	Fr	0.0	?	88							
Regents Pk. (Botanical Obs.)		0.0	0.0	0.0	53	47	45	Fr	0.0	87	91							
Camden Sq. (Brit. Rainfall)		0.0	0.0	0.0	53	47	47	Fr	93 (18h)	91	91							
Kennington Palace		0.0	0.0	0.0	51	45	43	Fr		93	93							
Home Observatory		0.0	0.0	0.0	51	45	43	Fr										
RADIO DISTURBANCES (Atmospheric) AT CROYDON.		TABLE SHOWING THE GREENWICH TIMES OF RISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.					BEAUFORT NOTATION OF WEATHER.					THE BEAUFORT SCALE OF WIND is used only for surface observations. In the accom- panying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.			Bea- u- fort No.		Miles per hour.	
Type.	Type.	No. per 4 sec.	Speed.	Dir.	Stations.	Morning.	Noon.	Sunset.	b	b	b	b	b	b	b	b	b	b
1st.	Cg	7	-	150	Yarmouth	7.51	11.45	3.53	b	b	b	b	b	b	b	b	b	b
1st.	Cg	5	-	110	Greenwich	7.52	11.45	3.54	b	b	b	b	b	b	b	b	b	b
1st.	Cg	7	-	80	Wick	7.53	11.52	3.51	b	b	b	b	b	b	b	b	b	b
1st.	Cg	7	-	80	Valencia	7.54	11.52	3.50	b	b	b	b	b	b	b	b	b	b
1st.	Cg	7	-	80		8.49	12.44	3.19	b	b	b	b	b	b	b	b	b	b
1st.	Cg	7	-	80		8.50	12.44	3.15	b	b	b	b	b	b	b	b	b	b
1st.	Cg	7	-	80		8.37	12.33	4.29	b	b	b	b	b	b	b	b	b	b
1st.	Cg	7	-	80		8.38	12.33	4.25	b	b	b	b	b	b	b	b	b	b

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

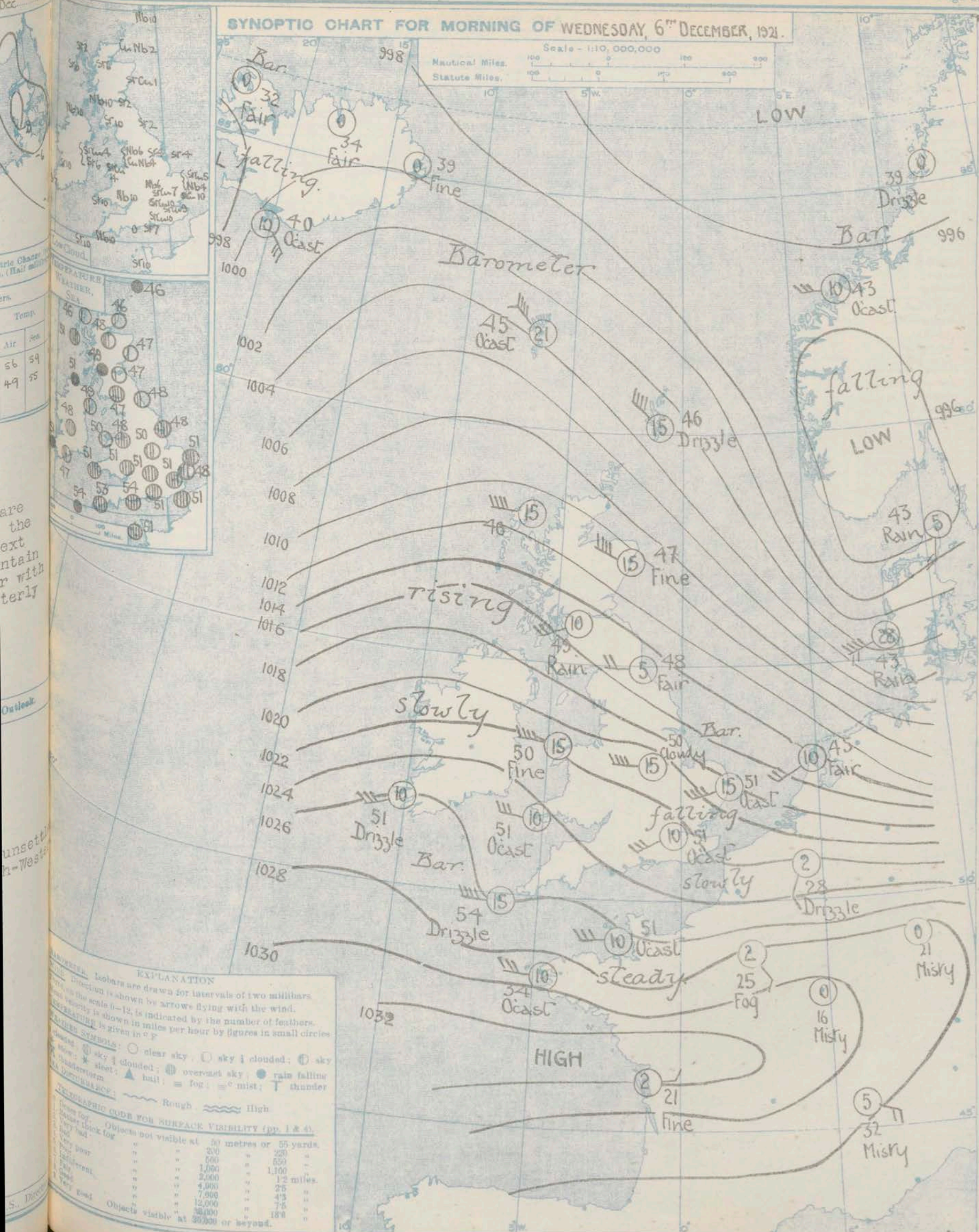
SUMMARIES FOR THE PAST 24 HOURS.												ISALLOBAR.	
STATIONS.	WEATHER.				TEMPERATURE.			RAINFALL.				SUN.	POSITION NUMBERS
	7h-13h.	13h-18h.	18h-6h.	6h-7h.	MAX. Day.	MIN. Night.	MIN. on Grass.	Day. 7h-18h.	Night. 18h-7h.	Precipitation began.	Precipitation ended.		
Lerwick	ddF	ddF	ddF	ddF	49	44	0	1	7	10800	2100	0.0	
Stornoway	ddF	ddF	ddF	ddF	53	45	0	2	12	1430	2100	0.0	
Wick	c	ddF	ddF	ddF	53	45	0	4	2	1230	2100	0.0	
Castlebay	ddF	ddF	ddF	ddF	54	45	0	4	2	1230	2100	0.0	
Nairn	ddF	ddF	ddF	ddF	55	47	41	-	-	-	-	0.0	
Aberdeen	ddF	ddF	ddF	ddF	55	47	41	-	-	-	-	0.0	
Main Head	ddF	ddF	ddF	ddF	55	49	4	Trace	-	0530	0.0	0.0	
Renfrew	ddF	ddF	ddF	ddF	54	48	46	3	5	9.0	2200	0.0	
Inchkeith	ddF	ddF	ddF	ddF	54	47	43	0.5	0.4	-	0530	0.0	
Esksdalemuir	ddF	ddF	ddF	ddF	51	45	43	16	8	9.0	2100	0.0	
Tynemouth	ddF	ddF	ddF	ddF	55	48	-	1	-	2200	-	0.0	
Blacksod Point	ddF	ddF	ddF	ddF	55	47	-	2	2	11.0	22100	0.0	
Donaghadee	ddF	ddF	ddF	ddF	56	46	40	2	1	1430	22100	0.0	
Birr Castle	ddF	ddF	ddF	ddF	55	46	43	0.5	1	1430	22100	0.0	
Baldonnell	ddF	ddF	ddF	ddF	55	49	43	0.1	2	10800	2100	0.0	
Holyhead	ddF	ddF	ddF	ddF	56	47	36	-	1	-	22100	0.0	
Liverpool (Bidston)	ddF	ddF	ddF	ddF	57	49	-	1	-	-	22100	0.0	
Chester (Shotwick)	ddF	ddF	ddF	ddF	57	49	-	1	-	-	22100	0.0	
Howden	ddF	ddF	ddF	ddF	54	48	45	2	-	-	22100	0.0	
Spurn Head	ddF	ddF	ddF	ddF	51	45	-	1	-	-	22100	0.0	
Nottingham	ddF	ddF	ddF	ddF	53	49	45	Trace	1	11.0	2200	0.0	
Cranwell	ddF	ddF	ddF	ddF	53	47	43	-	0.6	-	2200	0.0	
Gorleston	ddF	ddF	ddF	ddF	53	49	45	-	-	-	-	1.1	
Pulham	ddF	ddF	ddF	ddF	54	49	45	-	-	-	-	0.5	
Felixstowe	ddF	ddF	ddF	ddF	49	45	44	-	-	-	-	0.0	
Valencia (Cahirciveen)	ddF	ddF	ddF	ddF	56	49	45	1	0.1	1230	-	0.0	
Roches Point	ddF	ddF	ddF	ddF	55	47	-	1	6	1630	22100	0.0	
Pembroke (St. Ann's H.)	ddF	ddF	ddF	ddF	55	51	-	1	-	-	0130	0.0	
Ross-on-Wye	ddF	ddF	ddF	ddF	52	49	45	-	-	-	-	0.0	
Benson	ddF	ddF	ddF	ddF	52	49	46	-	-	-	-	0.0	
S. Farnborough	ddF	ddF	ddF	ddF	52	47	49	-	Trace	-	22100	0.1	
London (New Obay)	ddF	ddF	ddF	ddF	52	49	48	-	Trace	-	2200	0.2	
Croydon	ddF	ddF	ddF	ddF	51	47	44	Trace	-	-	-	0.0	
Glaughton-on-Sea	ddF	ddF	ddF	ddF	48	44	42	-	-	-	-	0.0	
Shoeburyness	ddF	ddF	ddF	ddF	52	45	44	-	-	-	-	0.2	
Grain	ddF	ddF	ddF	ddF	51	46	48	-	-	-	-	0.0	
Lympe	ddF	ddF	ddF	ddF	48	43	43	0.5	0.4	-	22100	0.0	
Seilly (St. Mary's)	ddF	ddF	ddF	ddF	54	51	-	1	-	0330	0.0	0.0	
Falmouth (Pendennis)	ddF	ddF	ddF	ddF	52	49	-	1	-	0430	0.1	0.1	
Plymouth	ddF	ddF	ddF	ddF	53	52	51	Trace	Trace	-	-	0.0	
Portland Bill	ddF	ddF	ddF	ddF	54	50	-	0.3	0.2	10800	22100	0.0	
Calshot	ddF	ddF	ddF	ddF	50	47	47	0.2	0.2	10800	22100	0.0	
Dungeness	ddF	ddF	ddF	ddF	50	47	-	0.5	Trace	10800	22100	0.0	
Jersey	ddF	ddF	ddF	ddF	42	39	-	-	-	-	-	0.0	

Position.	Date and Time.	Steamship.	Wind.	Weather.	Temp.	
			Dirac.	Force.	Air	
2	6 th 1000	Anglia	SW	6	0	56
1	6 th 1000	?	SW	4	0	49

GENERAL INFERENCE.

Further disturbances are likely to arrive from the Atlantic during the next few days and will maintain mild unsettled weather with Westerly to South-Westerly winds.

Districts.	Forecasts for the 24 hours commencing 15h G.M.T. Wednesday 7th December 1921.	Farther Outlook.
1. S.E. England	Moderate Westerly wind; much low cloud, some rain or drizzle; visibility fair; mild.	Mild and unsettled with South-Westerly winds.
2. E. England		
3. E. Midlands		
4. W. Midlands		
5. S.W. England		
6. South Wales		
7. North Wales	Moderate West to North-West winds, backing to South-West later; varying amount of cloud, some showers; visibility mainly good; moderate temperature.	
8. N.W. England		
9. N. Midlands		
10. N.E. England		
11. E. Scotland		
12. S.W. Scotland		
13. Isle of Man		
14. N.&N.W. Scotland		
15. Hebrides		
16. Orkneys and Shetlands		
17. N.W. Ireland	Moderate Westerly wind backing to South-West and freshening later; much low cloud, some rain or drizzle; visibility mainly good; mild.	
18. N.E. Ireland		
19. S.E. Ireland		
20. S.W. Ireland		



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4.

BRITISH SECTION. Wednesday, 7th December 1921.

No. 341

STATIONS.	Observations at 0100 G.M.T.														Observations at 0700 G.M.T.													
	Barom. at M.S.L. in h.	Change in 3 Hours	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-8	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L. in h.	Change in 3 Hours	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-8	Height of Low Cloud. Feet	Cloud.						
			Dir.	Force						Form.	Amt. 0-10	Dir.			Force	Form.						Amt. 0-10	Total Amt. 0-10	Form.	Amt. 0-10	Total Amt. 0-10		
Lerwick ...	1008.0	0	NW	4	orr	45	97	6	-	Nb	10	-	10	1008.9	+4	NW	4	odd	46	85	7	-	Nb	10	-	10		
Stornoway ...	1008.9	+3	W	5	0-	46	97	8	800	St	10	-	10	1011.4	+5	W	4	bty	46	92	8	2500	Cu	2	-	2		
Wick ...	1003.2	+7	WNW	3	orr	46	97	8	800	St	10	-	10	1007.5	+3	W	4	bty	46	92	8	2500	Cu	2	-	2		
Castlebay ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1008.8	+3	WNW	4	0	51	85	7	1500	St	10	-	10
Nairn ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1011.1	...	W	4	bty	48	75	8	1500	St	6	-	6
Aberdeen ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1010.2	+4	WNW	4	b-	47	75	8	4000	St	1	-	1
Malin Head ...	1015.0	+3	WSW	4	0+	50	97	7	4000	Nb	10	-	10	1017.3	+1	WSW	4	od	51	97	7	2500	Nb	10	-	10		
Renfrew ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1015.4	+3	WSW	3	orr	49	92	5	1500	Nb	10	-	10
Inchkeith ...	1007.4	+1	?	6	bv	49	85	9	-	St	3	-	3	1012.1	3	WSW	5	bv	47	92	9	-	St	2	-	2		
Eskdalemuir ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1016.0	+2	W	4	0	47	85	7	1500	St	10	-	10
Tynemouth ...	1010.1	+1	W	6	bty	53	92	8	-	-	0	-	0	1015.0	+3	W	2	bty	48	92	7	2500	St	2	-	2		
Blackad Point ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1018.5	+3	W	2	bty	49	92	8	4000	Cu	3	-	3
Dunghadue ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1023.7	...	SW	1	0	48	97	3	450	St	10	-	10
Birr Castle ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1023.5	+3	WSW	4	0	48	85	8	1500	St	10	-	10
Baldonnell ...	1021.3	+8	SWW	4	bty	48	92	7	1500	St	4	-	4	1021.9	+2	WN	4	bty	50	85	8	1500	St	4	-	4		
Holyhead ...	1019.5	+2	W	5	bty	48	92	8	-	-	0	-	0	1020.7	+3	W'S	5	orr	48	85	7	2500	Nb	10	-	10		
Liverpool (Bidston) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1019.4	+3	WNW	4	0	51	75	9	800	St	10	-	10
Chester (Shotwick) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1017.7	+2	WSW	4	0-	48	85	7	2500	St	4	-	4
Howden ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1015.8	+1	S	6	orr	48	92	7	1500	St	4	-	4
Spurn Head ...	1014.5	-3	SSW	6	opr	46	85	7	450	St	10	-	10	1020.5	...	W	4	C-	50	85	5	1500	Nb	6	-	6		
Nottingham ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1020.2	+3	W	4	0	47	85	7	2500	St	7	-	7
Grainwell ...	1015.1	-3	SWW	6	opr	50	92	7	800	Nb	10	-	10	1018.4	-1	W'S	4	0-	51	85	8	4000	St	9	-	9		
Gorleston ...	1014.2	-2	SW	4	0+	50	85	7	7200	St	10	-	10	1019.6	+1	W'S	4	0	51	85	6	2500	St	10	-	10		
Peckham ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1020.0	-1	WSW	3	0	50	85	7	1500	St	10	-	10
Felixstowe ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1021.2	+2	WSW	3	od	51	92	5	225	St	7	-	7
Valencia (Cabrilsen) ...	1023.9	+2	W	3	mmo	50	92	6	-	-	0	-	0	1021.2	+2	NW	2	C-	47	92	8	-	-	0	-	0		
Roches Point ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1021.6	+2	WNW	3	0	51	85	9	1500	St	10	-	10
Pembroke (St. Ann's H.) ...	1021.6	0	WSW	4	od	53	97	6	150	Nb	10	-	10	1022.3	+3	WNW	5	ov	51	75	9	2500	Nb	10	-	10		
Rose-on-Wye ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1022.5	+2	W	2	0	51	85	5	-	St	10	-	10
Benson ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1022.1	0	WSW	4	0-	51	92	8	1500	St	10	-	10
S. Farnborough ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1021.1	+1	WSW	3	orr	51	85	6	2500	St	9	-	9
London (Kew Obs.) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1021.9	0	WSW	5	0	50	92	6	800	St	10	-	10
Croydon ...	1023.4	-3	SW	6	0	48	85	5	1500	St	10	-	10	1020.0	-2	W	3	C-	48	92	7	-	-	0	-	0		
Glaughton-on-Sea ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1020.7	-2	WSW	6	C-	50	85	6	4000	St	4	-	4
Shoeburyness ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1021.2	0	W	5	0	51	85	6	4000	St	10	-	10
Grain ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1022.0	-1	SW	4	0	48	97	6	800	St	10	-	10
Lymington ...	1023.5	-2	SW'S	2	od	44	97	7	450	Nb	10	-	10	1021.8	0	W	4	od	54	97	5	1500	St	10	-	10		
Seilly (St. Mary's) ...	1026.2	0	W'S	4	0	54	92	8	4000	St	10	-	10	1026.7	-2	W	3	orr	53	97	5	2500	Nb	10	-	10		
Falmouth (Pendennis) ...	1025.9	0	W	4	b-	51	85	7	1500	St	2	-	2	1025.4	0	WSW	4	od	53	97	6	450	St	10	-	10		
Plymouth ...	1025.1	-1	SW	4	0	53	92	8	1500	St	10	-	10	1026.7	-2	W'S	5	0	54	85	7	-	-	0	-	0		
Portland Bill ...	1026.9	-1	W	5	0	50	85	7	450	St	10	-	10	1023.7	0	WSW	3	C-	52	85	8	1500	St	7	-	7		
Calshot ...	1025.0	-3	SW	2	orr	49	85	8	800	St	10	-	10	1021.5	-2	NW	5	0	51	85	8	-	-	0	-	0		
Dungeness ...	1024.1	-1	WSW	5	0	46	97	7	-	-	0	-	0	1026.7	0	W	3	0	51	85	7	1500	St	10	-	10		
Jersey 7th ...	1027.4	0	WSW	3	bty	48	85	7	4000	St	4	-	4	...	...	...	...	...	...	...	...	...	...	...	...	...
Guernsey 1st ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. Day of.	Min. Night of.	Night 11h-11h 30m.	Day 11h 30m-11h 30m.	Sunrise to Sunset.				Forenoon.	Afternoon.	Max. Day of.	Min. Night of.	Night 11h-11h 30m.	Day 11h 30m-11h 30m.	Sunrise to Sunset.	
						mm.	mm.	hr.	hr.							mm.	mm.	hr.	hr.
Banff	...	0	0	58	55	-	-	0.0		Patagon	...	odp	oed	52	50	-	-	0.0	
Montrose	...	0	0	54	49	-	-	0.0		Ilfracombe	...	o	o	53	46	-	-	0.0	
Llandudno	...	co	co	56	49	-	-	0.6		Bude	...	o	o	53	47	-	-	0.0	
Gelwyn Bay	...	co	co	58	51	-	-	0.9		Penzance	...	oc	oc	53	49	0.1	-	0.0	
Rhyl	...	c	c	56	45	-	-	0.0		Torquay	...	body	dv	52	47	0.4	-	0.0	
Southport	...	o	oco	54	40	0.3	-	0.0		Weymouth	...	do	o	52	46	1	-	0.0	
Blackpool	...	ob	ou	52	39	3	-	0.0		Bournemouth	...	o	o	50	45	1	-	0.0	
Harrington	...	oc	co	54	42	-	-	0.0		Portsmouth (S'thca)	...	o	o	50	42	1	-	0.0	
Skagness	...	o	o	51	33	-	-	0.0		Worthing	...	dm	ed	49	36	1	0.3	0.0	
Aberystwyth	...	roc	o	53	49	1	-	0.0		Brighton	...	om	om	49	36	1	-	0.0	
Bath	...	o	o	53	44	-	-	0.0		Eastbourne	...	d	od	50	36	1	-	0.0	
Leamington Spa	...	oc	oc	52	30	-	-	0.0		Hastings	...	ofm	omf	49	36	1	0.6	0.0	
Lowestoft	...	omc	ebeco	52	32	-	-	0.7		Folkestone	...	fodo	iof	49	32	0.1	0.3	0.0	
Felixstowe	...	of	of	49	30	-	-	0.0		Tunbridge Wells	...	omo	odom	50	35	1	-	0.0	
Southend	...	oc	oc	51	34	-	-	0.2		Ramsgate	...	o	o	48	30	0.3	-	0.0	
										Margate	...	oe	oe	50	33	-	-	0.0	
										Deal	...	o	o	49	34	-	-	0.0	

72.8

УКАТОК

Adm.	
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441

39

9	52
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3	37
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4	50
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4	45
	60

9	55
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HALLORARS

8th December

Position Numbers

Barometric Chaner
4h. to 7h. (Hail m...)

Position.	Date and Time.	Steamship.	Wind.		Weather.	Temp.	
			Dirac.	Force.		Air.	Sea.
3	7 th 0300	Arundel	W	4	cat	52	49
2	6 th 1000	Anglia	W	4	o	55	50
3	8 th 0300	Dieppe	NW	3	co	52	50

GENERAL INFERENCE

Pressure continues low over France and the Bay of Biscay. For the next day or two winds will be between South-West and West with much cloud and rain in places due to the passage of small secondaries especially in the Northern districts.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4.

BRITISH SECTION. THURSDAY, 8th DECEMBER 1921.

No. 342.

STATIONS.	Observations at 0100 G.M.T. 8 th													Observations at 0700 G.M.T. 8 th												
	Barom. at M.S.L. m.b.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L. m.b.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.				
			Direc.	Force						Form.	Amt.	Total Form.			Amt.	Direc.						Force	Form.	Amt.	Total Form.	Amt.
Lerwick ...	1005.5	-3	WSW	5	ov	49	97	5	7250	fb	10	-	10	1006.6	+1	WSW	5	o	47	75	6	-	-	o	ASV	10
Stornoway ...	1013.3	+5	W	4	to	50	97	5	-	-	-	-	-	1009.4	-3	SW	3	o	50	85	6	800	SV	10	-	10
Wick ...	1010.5	0	W	1	ov	51	97	8	1500	SV	10	-	10	1009.9	+1	WSW	1	ov	46	92	8	5750	SV	10	-	10
Castlebay ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1011.4	-5	SW	4	ov	53	97	5	800	fb	10	-	8
Nairn ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1010.8	...	W	2	c	50	85	8	4000	CU	10	-	10
Aberdeen ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1012.1	-1	WSW	1	ov	48	85	7	4000	SV	10	-	10
Malin Head ...	1017.6	0	WSW	3	ov	52	97	6	4000	fb	10	-	10	1015.4	-3	WSW	4	o	53	92	6	4000	fb	10	-	10
Benfrew ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1015.8	-1	SW	4	ov	53	97	5	1500	fb	10	-	9
Inchkeith ...	1013.3	-3	WSW	5	ov	50	92	9	-	SV	3	ASV	10	1012.6	-2	WSW	5	ov	51	92	9	-	SV	7	ASV	10
Eskdalemuir ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1018.0	0	SW	4	ov	48	97	4	450	SV	10	-	10
Tynemouth ...	1017.7	0	W	2	o	51	92	7	-	-	o	ASV	10	1015.9	-2	W	2	o	52	92	7	-	-	o	ASV	10
Blacksod Point ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1017.5	-4	W	3	o	52	97	8	1500	SV	10	-	10
Donaghadee ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1024.9	...	S	2	o	52	92	4	450	SV	10	-	10
Birr Castle ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1022.4	-1	SSW	4	o	51	85	7	1500	SV	10	-	10
Baldonnell ...	1023.8	-1	SW	4	o	50	85	7	1500	SV	10	-	10	1022.5	-1	SW	4	ov	52	92	8	800	SV	10	-	10
Holyhead ...	1023.5	-1	SW	4	o	50	85	7	800	SV	10	-	10	1021.6	-1	W'S	4	ov	49	92	6	1500	fb	10	-	10
Liverpool (Bidston) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1021.6	-1	SSW	1	ov	50	85	5	800	SV	10	-	10
Chester (Shotwick) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1019.7	-2	W'S	4	o	51	85	6	2500	SV	10	-	10
Howden ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1019.0	0	SW	3	o	48	92	5	-	-	o	ASV	10
Spurn Head ...	1019.9	+1	W	4	o	47	85	5	450	SV	10	-	10	1021.2	...	W	3	ov	48	92	4	2500	fb	10	-	10
Nottingham ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1021.5	0	WSW	4	o	47	92	7	800	SV	10	-	10
Cranwell ...	1022.6	-1	W'S	5	bc	45	92	6	5750	SV	10	-	10	1021.3	-1	W	3	o	45	97	8	-	-	o	ASV	10
Gorleston ...	1021.6	0	W	3	ov	43	97	7	-	-	o	ASV	9	1022.0	-1	WSW	4	c	46	92	6	4000	SV	10	-	10
Pulham ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1022.8	0	SW	3	o	45	92	8	5750	SV	10	-	10
Felixstowe ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1026.1	0	SW	4	o	54	85	7	1500	SV	10	-	10
Valencia (Cahiroveen) ...	1026.4	0	SW	1	bc	51	92	5	...	...	...	...	...	1026.9	0	W	1	o	51	92	8	4000	SV	10	-	10
Roche Point ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1025.5	-1	W	4	o	52	92	9	1500	SV	10	-	10
Pembroke (St. Ann's H.) ...	1026.7	-1	W	4	o	52	85	9	2500	SV	10	-	10	1024.1	-1	-	0	o	43	92	8	2500	SV	6	ASV	10
Boss-on-Wye ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1024.1	0	-	0	o	42	92	7	-	SV	10	-	10
Benson ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1024.7	-1	W'W	3	o	46	92	8	2500	SV	4	ASV	10
S. Farnborough ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1024.4	0	WSW	2	mm	46	92	5	2500	SV	5	ASV	10
London (New Obs.) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1024.2	0	WSW	3	o	46	92	6	2500	SV	7	-	7
Croydon ...	1025.2	-1	SW	3	o	44	97	6	4000	SV	10	-	10	1023.0	-1	SW	3	c	44	92	6	7250	SV	7	-	5
Clacton-on-Sea ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1023.5	0	WSW	3	mm	45	85	6	2500	SV	7	-	10
Shoeburyness ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1023.9	0	WSW	1	o	44	92	5	5750	SV	8	ASV	10
Grays ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1024.4	0	W	1	o	40	97	4	800	SV	10	-	10
Lymington ...	1024.9	0	W'W	1	bc	38	97	4	-	-	o	-	o	1024.3	-1	W	5	ov	54	97	7	1500	SV	10	-	10
Scilly (St. Mary's) ...	1029.5	0	W'W	4	ov	52	97	5	800	SV	8	-	8	1028.4	0	-	o	mm	52	97	7	1500	fb	10	-	10
Palmouth (Pendennis) ...	1029.3	0	WSW	3	ov	50	97	7	1500	fb	10	-	10	1027.9	0	WSW	2	ov	51	97	7	800	SV	10	-	6
Plymouth ...	1028.3	0	W	2	ov	50	92	8	800	SV	10	-	10	1027.1	0	W'W	5	bc	51	86	8	1500	SV	6	-	10
Portland Bill ...	1027.1	+2	W'W	4	bc	50	85	8	-	-	o	CU	3	1025.7	-1	WSW	2	o	49	92	8	1500	SV	10	-	10
Calshot ...	1026.7	0	WSW	2	ov	49	92	8	1500	SV	10	-	10	1023.8	-1	WSW	3	bc	45	97	7	-	-	o	ASV	10
Dungeness ...	1024.8	+2	W'W	3	bc	41	97	8	-	-	o	ASV	4	1027.7	0	W	2	ov	53	92	8	4000	SV	10	-	10
Jersey (Th.) ...	1028.4	+2	W'W	3	ov	53	85	9	4000	SV	10	-	10	...	...	...	...	...	...	...	...	...	...	...	...	...
Guernsey (H.) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		Sunrise to Sunset.
	Fore-noon.	After-noon.	Max. Day.	Min. Night.	Night	Day	Sunrise to Sunset.	Fore-noon.		After-noon.	Max. Day.	Min. Night.	Night	Day		
					12h-3h.	3h-12h.							12h-3h.	3h-12h.	12h-3h.		3h-12h.
					mm.	mm.	hr.	hr.								hr.
Sanff	bcb	bbee	49	46	1	-	4.6		Paignton	ogbe	bebe	60	49	-	-	1.0
Montrose	ebe	c	50	44	-	-	4.9		Ilfracombe	oc	co	52	51	2	-	0.5
									Bude	o	b	53	50	2	-	1.2
									Penzance	oc	ome	53	51	2	0.1	0.2
Llandudno	o	o	51	48	2	-	0.1		Torquay	o	bee	60	50	-	-	1.2
Colwyn Bay	bc	be	52	49	2	-	0.0		Weymouth	oc	cbe	56	50	0.1	-	0.1
Rhyl	cbee	c	51	48	2	-	0.7									
Southport	bcc	co	49	47	4	-	0.5		Bournemouth	o	o	53	48	0.5	-	0.0
Blackpool	c	o	49	46	5	-	0.7		Portsmouth (S'bhca)	o	o	54	47	0.6	-	0.1
Harrogate	o	o	49	46	5	-	0.0		Worthing	obe	beb	54	46	0.3	-	1.2
Skewness	oc	cob	51	47	1	-	1.3		Brighton	o	cob	55	47	1	-	1.4
									Eastbourne	oc	cbeb	55	45	0.2	-	
Aberystwyth	reb	eo.o	50	47	1	-	2.5									
Bath	oc	ocbe	51	48	-	-	0.2		Hastings	oc	ocbeb	54	45	1	-	1.6
Leamington Spa	ocbe	cbe	53	46	-	-	0.7		Folkestone	o	o	54	45	trace	-	0.0
Lowestoft	oc	cbeb	52	46	-	-	2.8		Tonbridge Wells	o	cbe	53	45	-	trace	1.3
Felixstowe	c	c	52	46	0.2	-	0.3		Ramsgate	o	bc	51	45	-	-	0.4
Southend	oc	be	54	44	-	-	0.8		Margate	o	oc	52	45	-	-	0.5
									Deal	c	bee	51	45	trace	-	0.6

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.

72-9

No. B. 21,932

FRIDAY 9th December 1921

Page 1.

39	48	36	46	?	54	57	48	50	52	57
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Rain began.
24-00
2130

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* Information for these columns not usually received.

‡ The barometric change is expressed in half millibars.

1 Per code not more than 3

SUMMARIES FOR THE PAST 24 HOURS.

ISALLOBARS

9th Dec. 1921

STATIONS.	WEATHER.				TEMPERATURE.			RAINFALL.				SUN. Hours.
	7h-13h.	13h-18h.	18h-3h.	3h-7h.	MAX. Day.	MIN. Night.	MIN. on GRASS.	Day. 7h-13h.	Night. 13h-7h.	Precipitation began.	Precipitation ended.	
Lerwick	ford	ford	bor	bor	50	40	.	7	7	40800	42100	.
Stornoway	ford	ford	bor	bor	54	39	.	2	.	.	.	0.0
Wick	omnd	omid	bor	bor	52	40	.	1	.	9.0	.	0.0
Castlebay	trap	op	c	c	54	44	.	1	.	40800	.	0.0
Nairn	p	p	bor	bor	55	40	.	1	.	9.0	.	0.3
Aberdeen	mfben	cimog	opog	b	58	41	2.8	.	trace	.	42100	2.5
Malin Head	ir	or	oidm	bor	54	47	.	2	2	1230	42100	0.0
Renfrew	or	omro	c	c	54	41	3.4	4	1	40800	42100	1.7
Inchkeith	ford	oo	c	bor	54	43	3.9	0.5	.	.	.	.
Bokdalemuir	omnd	odod	ir	c	53	42	3.4	3	1	40800	42100	0.0
Tynemouth	img	img	cim	bor	55	44	.	2	.	40800	.	.
Blacksod Point	.	.	.	.	.	.	.	.	.	.	.	.
Donaghadee	ca	cqr	bcqr	omd	55	48	.	trace	10	1530	42100	.
Birr Castle	oo	oo	oiz	c	54	52	50	.	0.1	.	42100	0.0
Baldonnell	oodd	oo	oid	om	53	51	50	trace	0.3	9.0	42100	0.0
Holyhead	c	oo	c	oo	55	53	52	trace	0.2	40800	42100	0.0
Liverpool (Bidston)	oo	oo	oo	oo	54	47	40	.	0.1	.	42100	0.0
Chester (Shotwick)	omo	oo	oid	oo	54	53	.	trace	.	0.130	.	.
Howden	ford	oo	f	om	52	41	32	1	trace	9.0	42100	0.0
Spurn Head	b	oo	oo	oo	49	46	.	1	0.3	11.0	.	0.0
Nottingham	ford	oo	oom	.	51	50	46	4	.	40800	.	0.0
Cranwell	ford	oo	c	bor	49	48	44	1	.	40800	.	0.0
Gorleston	oo	ford	oiz	p	49	46	43	1	0.7	1230	42100	0.0
Pulham	oo	ford	ford	p	54	46	39	0.6	0.1	1230	42100	0.0
Felixstowe	oo	oo	omp	r	49	44	41	0.2	0.2	11.0	0.130	0.0
Valencia (Cahirciveen)	o	od	ford	op	55	53	50	trace	0.5	1730	42100	0.0
Roches Point	oo	oo	oo	oo	55	50	.	trace	.	.	.	.
Pembroke (St. Ann's H.)	oo	oo	c	c	54	52	.	.	.	.	.	0.0
Ross-on-Wye	oo	over	ov	c	52	48	42	.	.	.	.	0.0
Benton	oo	oo	bor	bc	51	43	33	.	.	.	.	.
S. Farnborough	oo	oo	bor	bc	52	45	44	.	.	.	.	0.0
London (New Obay)	omo	oo	oo	oo	52	49	45	.	.	.	.	0.0
Croydon	opim	oem	oim	oim	52	49	45	trace	.	9.0	.	0.0
Clacton-on-Sea	.	Comre	og	cme	49	44	41	0.2	.	11.0	.	0.0
Shosburyne	form	form	c	.	51	45	41	.	.	.	.	0.0
Grain	form	form	oo	.	51	44	39	.	.	.	.	0.0
Lympe	dmim	oem	c	bcim	48	42	40	trace	trace	11.0	.	0.0
Scilly (St. Mary's)	ife	cim	oo	oo	54	50	.	0.4	1	40800	42100	0.0
Falmouth (Pendennis)	odm	cmod	omnd	omd	54	51	.	0.2	trace	40800	42100	0.0
Plymouth	oo	p	oo	.	54	52	50	0.2	0.1	.	.	0.0
Portland Bill	oo	c	c	bor	56	50	.	.	.	.	.	.
Calshot	c	oo	c	c	54	46	44	.	.	.	.	0.0
Dungeness	cim	oo	c	c	51	47	.	.	.	.	.	.
Jersey	odpoe	odpoe	ford	ood	55	52	.	0.4	1	40800	42100	0.0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind.		Weather.	Temp.	
			Dir.	Force.		Air.	Sea.
2	8 ¹⁵ 1000	Anglia	W	6	0	55	55

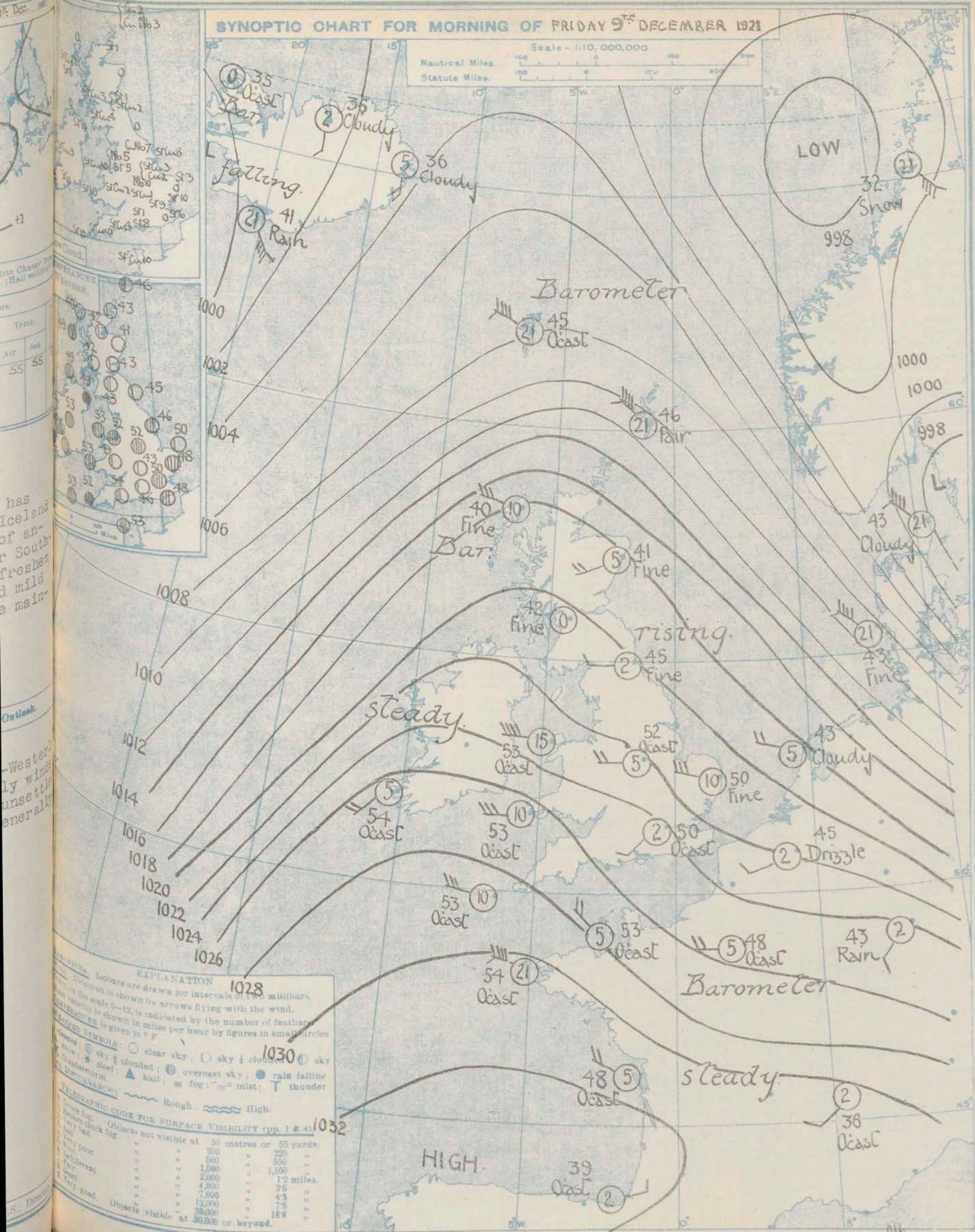
GENERAL INFERENCE.

A fresh depression has appeared off South-West Iceland and there are evidences of another disturbance further Southward. Winds will soon freshen again from South-West and mild unsettled weather will be maintained.

Districts.	Forecasts for the 24 hours commencing 15h G.M.T. Friday, 9th December, 1921.
1. S.E. England	Wind Westerly light or moderate; cloudy; some local mist; very mild.
2. E. England	
3. E. Midlands	
4. W. Midlands	Wind South-West moderate, then freshening; dull, some rain; visibility fair; very mild.
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	As for 1 - 3.
11. E. Scotland	As for 4 - 9.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	Wind West backing South-West or South fresh to strong; dull, some rain; visibility fair; mild.
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	Wind South to South-West fresh or strong; dull, some rain; visibility fair; very mild.
19. S.E. Ireland	
20. S.W. Ireland	

SYNOPTIC CHART FOR MORNING OF FRIDAY 9th DECEMBER 1921

Scale - 1:10,000,000
Nautical Miles. 100 0 100 200
Statute Miles. 100 0 100 200



EXPLANATION

Isobars are drawn for intervals of two millibars.
Direction is shown by arrows lying with the wind.
Wind velocity is shown by the number of feathers.
Temperature is shown in miles per hour by figures in small circles.
Precipitation is given in p.p.

Weather Symbols:
○ clear sky, ○ sky & clouds, ○ sky & rain falling
☁ sky & clouds, ☁ overcast sky, ☁ rain falling
☁ rain falling, ☁ rain falling
☁ rain falling, ☁ rain falling
☁ rain falling, ☁ rain falling

Wind Symbols:
☁ Rough, ☁ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4)			
Very poor	Objects not visible at 50 metres or 55 yards.	200	220
Poor	"	500	550
Fair	"	1,000	1,100
Good	"	2,000	2,200
Very good	"	4,000	4,400
Excellent	"	7,000	7,700
Perfect	"	12,000	13,200
Objects visible at 30,000 or beyond.	"	20,000	22,000

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4.

BRITISH SECTION. FRIDAY, 9th DECEMBER, 1921.

No. 343

STATIONS.	Observations at 0100 G.M.T. 9 th													Observations at 0700 G.M.T. 9 th												
	Barom. at M.S.L. m.b.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Sen. 0-9	Barom. at M.S.L. m.b.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			
			Direc.	Force						Low.	Upper.	Total.				Direc.	Force						Low.	Upper.	Total.	
																										Form.
Lerwick	1007.5	+2	NW	5	OPRT	43	85	5	7250	MB	10	-	10	1010.8	+6	NW	5	bc	46	75	6	7250	CU	5	-	5
Stornoway	1017.2	+4	W	2	bc	41	85	7	-	-	-	-	-	1018.1	0	WNW	3	b	40	85	7	-	-	-	-	1
Wick	1012.6	+4	WNW	3	b	41	92	8	-	-	0	-	0	1015.6	+3	WNW	3	bt	43	85	8	800	SV	1	-	1
Castlebay														1019.3	0	SSE	2	c	49	85	8	2500	SV	8	-	2
Nairn														1018.3	-	W	3	b	42	75	8	4000	CU	2	-	2
Aberdeen														1018.5	+3	WSW	2	b	41	75	7	-	-	-	-	0
Malin Head	1020.4	+6	-	0	bc	49	97	8	2500	ST	5	-	5	1020.4	0	S	1	ct	49	97	8	-	-	0	ASV	8
Benfrew														1021.6	+3	-	0	bt	42	92	6	4000	SV	3	-	3
Inchkeith	1016.7	+8	W	3	bc	48	85	9	-	SV	1	CU	2	1019.9	+4	W	4	b	43	92	7	-	-	0	SV	3
Eskdalemuir														1020.0	+3	-	0	bc	43	75	8	4000	SV	4	-	4
Tysemouth	1015.6	+1	W	3	b	53	97	7	4000	SV	3	-	3	1020.6	+2	W	1	b	45	97	7	-	-	-	-	0
Blacksod Point														1022.6	+1	-	0	bc	49	97	8	2500	SV	10	-	10
Donaghadee														1024.9	-	SW	1	bc	53	97	3	4000	SV	9	-	9
Birr Castle														1024.7	+2	SW	3	bc	52	97	5	800	MB	10	-	10
Baldonnell	1022.6	+1	WSW	1	OPRT	53	92	8	1500	SV	10	-	10	1023.8	+1	W	4	bc	53	97	7	2500	SV	10	-	10
Holyhead	1022.0	+1	W	4	bc	53	92	8	800	SV	10	-	10	1022.5	+2	WSW	5	bc	52	97	8	1500	MB	10	-	10
Liverpool (Bidston)														1022.4	+1	WNW	4	OPRT	54	85	8	450	SV	10	-	10
Chester (Shotwick)														1021.2	+3	WSW	2	bc	42	97	3	1500	SV	5	ACU	8
Howden														1022.0	+6	WNW	2	c	46	97	5	5750	SV	8	-	10
Spurn Head	1016.9	0	WNW	5	bc	50	92	6	1500	ST	4	-	4	1023.2	0	W	2	bc	52	97	4	1500	MB	10	-	5
Nottingham														1022.5	+3	W	4	bc	48	97	6	2500	SV	5	-	3
Cranwell	1019.7	0	W'S	5	b	51	92	8	4000	SV	1	ACU	3	1020.6	+2	WNW	3	b	50	92	7	2500	SV	3	-	2
Gorleston	1018.9	0	WNW	4	bc	49	92	8	4000	MB	5	ASV	10	1022.2	+2	W	3	OPRT	49	97	7	1500	SV	9	-	9
Pulham														1022.6	0	W	3	b	48	92	8	-	-	-	-	0
Felixstowe														1026.9	0	SW	2	OPRT	54	92	6	1500	SV	9	-	9
Valencia (Cahiroiveen)	1026.6	+1	W	3	D	53	97	3	-	-	-	-	-	1027.0	+1	S	1	bc	51	92	7	2500	SV	10	-	10
Reebee Point														1027.1	+1	W	3	bc	53	92	8	1500	SV	10	-	10
Pembroke (St. Ann's H.)	1025.8	+1	WNW	3	b	53	92	8	-	-	0	-	0	1025.3	+1	SW	2	bc	49	92	9	4000	SV	2	ACU	3
Ross-on-Wye														1024.9	+2	W	1	b	43	92	8	-	-	-	-	2
Benson														1024.9	+2	WNW	2	b	46	92	8	1500	SV	1	ACU	9
S. Farnborough														1024.4	+2	SW	1	bc	50	85	6	2500	SV	9	-	10
London (Kew Obsy.)														1024.2	+1	W'S	3	bc	50	85	6	2500	SV	10	-	10
Croydon	1022.7	0	W'S	3	c	50	85	7	4000	SV	4	ACU	8	1022.9	+5	W	2	bc	48	92	8	4000	SV	10	-	9
Glaughton-on-Sea														1023.6	+4	SW	1	bc	50	85	7	1500	SV	9	-	10
Shoeburyness														1023.7	+1	W	2	bc	49	92	5	7250	SV	10	-	10
Grain														1023.7	+2	WNW	2	c	47	92	6	1500	SV	6	ACU	10
Lympna	1022.4	0	W	2	bc	44	97	7	2500	SV	6	-	6	1029.0	0	W'N	3	bc	53	85	8	1500	SV	10	-	10
Silly (St. Mary's)	1028.8	0	W	4	OPRT	52	97	9	4000	SV	10	-	10	1029.0	0	W	2	bc	52	92	6	1500	SV	10	-	10
Plymouth (Pendennis)	1027.9	0	W	3	OPRT	51	92	7	4000	SV	10	-	10	1027.7	0	WSW	1	bc	52	85	8	2500	SV	9	-	10
Plymouth														1026.1	+2	WNW	5	bc	54	85	8	1500	SV	4	ACU	9
Portland Bill	1024.9	0	WNW	5	bc	52	85	8	1500	SV	4	-	4	1025.6	+1	WNW	2	bc	52	85	8	2500	SV	7	ACU	10
Calshot	1024.6	0	SW	2	bc	48	92	7	4000	CU	7	-	7	1024.4	+2	WSW	3	c	48	97	8	-	-	-	-	0
Dungeness	1022.1	0	WSW	3	bc	49	92	7	4000	CU	7	-	7	1027.9	0	W	2	OPRT	53	97	8	4000	SV	10	-	10
Jersey Th.	1028.3	+1	WNW	4	bc	54	92	6	2500	SV	10	-	10													
Gruaer Th.																										

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 8 th Dec.													SUNSHINE			
STATIONS.	WEATHER.		TEMPERATURE		RAINFALL†		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE		RAINFALL†		SUNSHINE
	Fore-noon.	After-noon.	Max. Day.	Min. Night.	Night 12h-6h.	Day 6h-12h.	Sunrise to Sunset.	Fore-noon.		After-noon.	Max. Day.	Min. Night.	Night 12h-6h.	Day 6h-12h.	Sunrise to Sunset.	
					mm.	mm.	hr.	hr.						mm.	mm.	hr.
Bath	oe	bc	58	46	1	0.3	0.6		Paignton	oe	bc	57	45	2	-	0.3
Montrose	c	bc	57	47	1	-	2.9		Ilfracombe	o	o	54	50	-	-	0.0
Llandudno	o	oco	53	43	0.1	-	0.5		Bude	d	o	54	50	0.2	-	0.0
Colwyn Bay	bc	bc	55	50	-	-	1.3		Penzance	od	ocm	55	50	1	0.4	0.3
Rhyl	c	c	54	48	0.2	-	0.1		Torquay	o	bc	57	47	-	-	0.0
Southport	o	bc	50	47	1	-	0.0		Weymouth	o	o	55	48	-	-	0.0
Blackpool	o	or	51	47	2	0.1	0.0		Bournemouth	o	o	54	47	-	-	0.0
Harrogate	og	og	50	47	2	-	0.0		Portsmouth (S' thea)	o	o	53	45	-	-	0.0
Skagness	or	ro	50	47	0.1	0.6	0.0		Worthing	o	oc	51	41	-	-	0.0
Aberystwyth	oc	o	51	48	-	-	0.0		Brighton	o	oe	50	44	-	-	0.0
Bath	o	o	53	47	-	-	0.0		Eastbourne	o	oe	52	44	-	-	0.0
Leamington Spa	oe	oc	51	43	0.1	-	0.0		Hastings	o	oe	51	40	0.2	-	0.0
Lowestoft	op	oe	49	46	-	1	0.0		Folkestone	o	o	52	43	-	-	0.0
Felixstowe	om	bc	49	42	-	0.3	0.0		Tanbridge Wells	o	oc	52	40	-	-	0.0
Southend	o	o	50	41	-	-	0.0		Ramsgate							
									Margate	o	op	51	44	-	-	0.0
									Deal	oe	co	49	42	-	-	0.0

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

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		Sunrise to Sunset.
	Forenoon.	Afternoon.	Max. Day.	Min. Night.	Night 12-9.	Day 9-12.	Sunrise to Sunset.	Forenoon.		Afternoon.	Max. Day.	Min. Night.	Night 12-9.	Day 9-12.		
															mm.		mm.	hr.	hr.
Bath ...	oebec	bq	58	46	1	0.3	0.6	Paignton ...	oe	beobc	57	45	mm.	mm.	0.3	
Montrose ...	e	bee	57	47	1	-	2.9	Ilfracombe ...	o	o	54	50	2	-	0.0	
Llandudno ...	o	oco	53	49	0.1	-	0.5	Bude ...	d	o	54	50	0.2	-	0.0	
Colwyn Bay ...	bc	bec	55	50	-	-	1.3	Penzance ...	od	ocm	55	50	1	0.4	0.3	
Rhyl ...	c	c	54	48	0.2	-	0.1	Torquay ...	o	beve	57	47	-	-	0.0	
Southport ...	o	bec	50	47	1	-	0.0	Weymouth ...	o	o	55	48	-	-	0.0	
Blackpool ...	o	or	51	47	2	0.1	0.0	Bournemouth ...	o	o	54	47	-	-	0.0	
Harrogate ...	og	og	50	47	2	-	0.0	Portsmouth (S' thea) ...	o	o	53	45	-	-	0.0	
Skegness ...	or	ro	50	47	0.1	0.6	0.0	Worthing ...	o	oc	51	41	-	-	0.0	
Aberystwyth ...	ooc	o	51	48	-	-	0.0	Brighton ...	o	oeb	50	44	-	-	0.0	
Bath ...	o	o	53	47	-	-	0.0	Eastbourne ...	o	oebe	52	44	-	-	0.0	
Leamington Spa ...	oc	oc	51	43	0.1	-	0.0	Hastings ...	o	obe	51	40	0.2	-	0.0	
Lowestoft ...	op	oeb	49	46	-	1	0.0	Folkestone ...	o	o	52	43	-	-	0.0	
Felixstowe ...	om	bcm	49	42	-	0.3	0.0	Tanbridge Wells ...	o	oc	52	40	-	-	0.0	
Southend ...	o	o	50	41	-	-	0.0	Ramsgate ...	o	op	51	44	-	-	0.0	
								Margate ...	oe	co	49	42	-	-	0.0	
								Deal ...	oe	co	49	42	-	-	0.0	

* Information for these columns not usually received.

TEMPERATURE	
Min.	
45	
39	
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1630	
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Dr. %	Vel. m.p.h.

No. B. 21,933 Saturday, 10th December 1921

Page 1

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^a Information for these columns not usually received.

1 The barometric change is expressed in half millibars.

4 For code see page 3

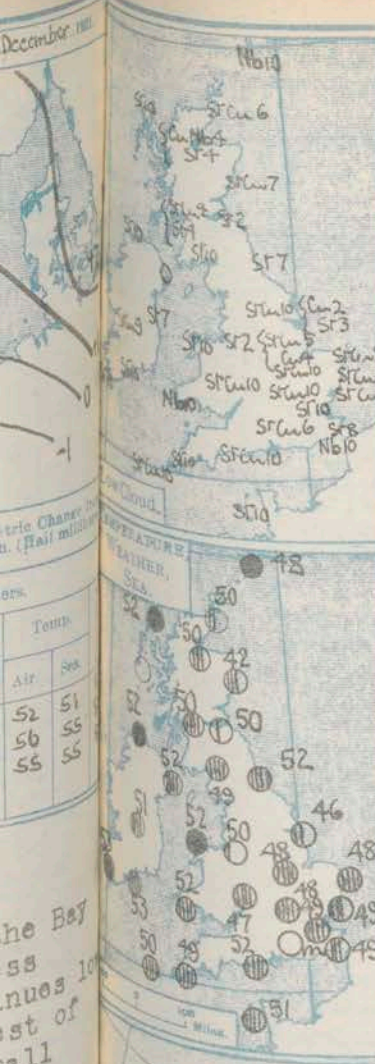
ISALLOBARS

The anticyclone over the Bay of Biscay is becoming less intense. Pressure continues to the West and North West of the British Isles and small secondaries will continue to cause local rain. Westerly or South-Westerly winds and mild weather are likely to prevail for several days.

South-West
West winds and
very mild cloudy
weather for
several days.

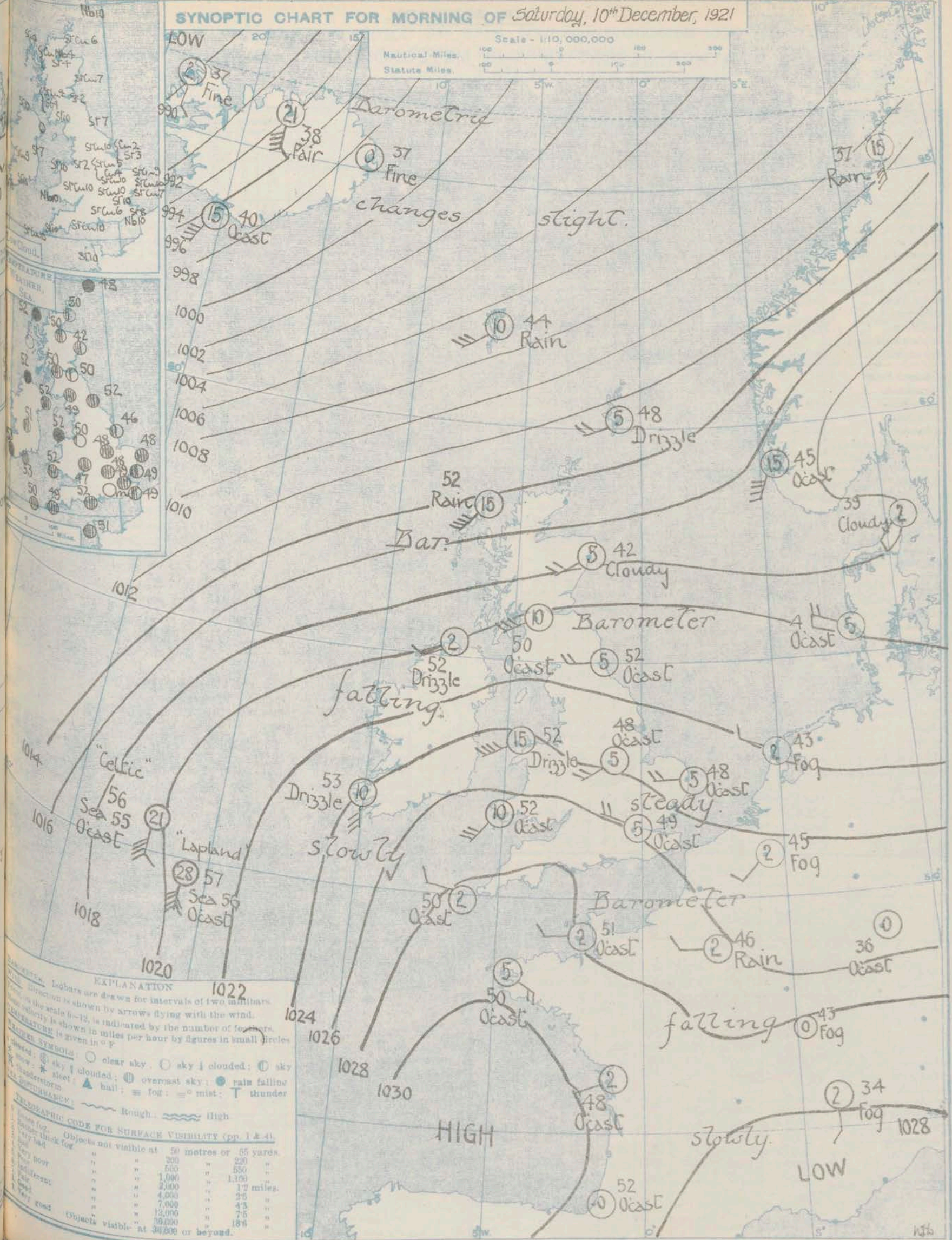
SYNOPTIC CHART FOR MORNING OF Saturday, 10th December, 1921

Scale - 1:10,000,000
Nautical Miles. 100 0 100 200 300
Statute Miles. 100 0 100 200 300



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prevail

West
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cloud
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EXPLANATION

Isobars are drawn for intervals of two millibars.

Wind direction is shown by arrows flying with the wind.

Wind velocity is shown by the number of feet per hour by figures in small circles.

TEMPERATURE is given in °F.

WEATHER SYMBOLS:

- clear sky
- sky 1 clouded
- sky 2 clouded
- sky 3 clouded
- sky 4 clouded
- sky 5 clouded
- sky 6 clouded
- sky 7 clouded
- sky 8 clouded
- sky 9 clouded
- sky 10 clouded
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- sky 98 clouded
- sky 99 clouded
- sky 100 clouded

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

Objects not visible at	50 metres or 55 yards
Very poor	200
Very bad	500
Very poor	1,000
Very bad	2,000
Very poor	4,000
Very bad	7,000
Very poor	12,000
Very bad	19,000
Very poor	30,000 or beyond

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Saturday, 10th December 1921.

No. 344

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

		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.				WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
STATIONS.		Fore-noon.	After-noon.	Max. Day °F.	Min. Night °F.	Night 12h-6h 8°-9°	Day 9h-12h 9°	Surmise to Sunset 9°		STATIONS.		Fore-noon.	After-noon.	Max. Day °F.	Min. Night °F.	Night 12h-6h 8°-9°	Day 9h-12h 9°	Surmise to Sunset 9°	
						mm.	mm.	hr.	hr.							mm.	mm.	hr.	hr.
Barff	bbee	ro	47	41	-	2	1.5			Paignton	ebce	beebe	60	50	-	-	3.0		
Montrose	c	c	46	34	0.6	-	1.1			Ilfracombe	o	od	55	53	-	0.2	0.0		
										Bude	o	od	54	52	1	-	1.0		
Llandudno	odo	ood	54	50	0.2	-	0.4			Penzance	becbd	epde	56	52	0.5	0.5	3.3		
Colwyn Bay	bebe	bcc	57	53	-	-	0.0			Torquay	coeo	be	61	51	-	-	0.1		
Rhyl	oe	c	56	50	-	-	0.0			Weymouth	co	o	56	50	-	-	0.0		
Southport	fo	do.o	50	48	2	0.3	0.0			Bournemouth	o	o	54	49	-	-	1.0		
Blackpool	od	od	51	48	0.1	0.5	0.0			Portsmouth (S'theca)	o	o	55	49	-	-	2.6		
Harrogate	bbee	co	52	48	2	-	3.1			Worthing	bco	o	54	46	-	-	1.0		
Skegness										Brighton	co	o	53	48	-	-	0.0		
										Eastbourne	o	o	54	49	-	-	0.0		
Aberystwyth	rro	coo	52	43	2	0.5	0.0			Hastings	o	oco	53	45	Trace	-	0.0		
Bath	o	o	54	41	-	-	0.0			Folkstone	c	bcc	55	41	Trace	Trace	2.0		
Leamington Spa	oe	cbe	54	47	-	-	0.5			Tunbridge Wells	o	o	54	46	-	-	1.0		
Lowestoft	oebe	beam	53	46	0.2	-	1.5			Ramsgate	ro	bc	53	42	-	-	0.2		
Felixstowe	bem	bem	55	44	0.2	-	2.2			Margate	o	o	53	44	-	-	1.5		
Southsea	oe	oe	56	44	-	-	1.8			Deal	bcc	cco	52	44	Trace	-	0.0		

1 See footnote 10.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B.21,934

SUNDAY, 11th December, 1921.

Page 1.

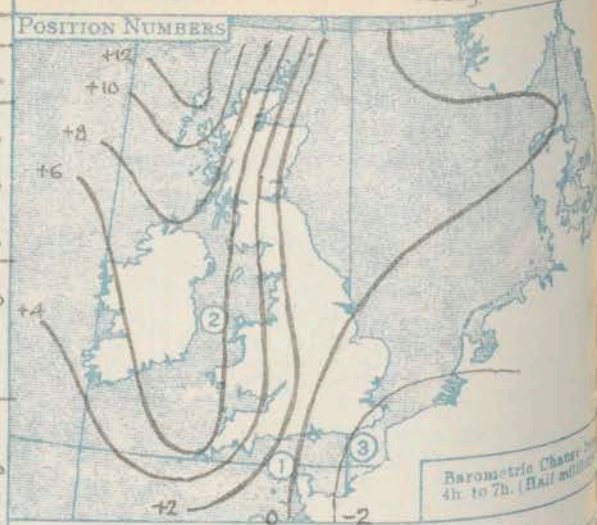
STATIONS.	Observations at 1200 G.M.T. 10 th											Observations at 1800 G.M.T. 10 th															
	Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. Miles.	Height of Low Cloud. Feet.	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. Miles.	Height of Low Cloud. Feet.	Cloud.			Sec.		
			Direc.	Force						Form.	Amt.	Direc.			Force	Form.						Amt.	Form.	Amt.		Form.	Amt.
Lerwick	1012.6	-3	WSW	4	od	48	91	6	-	Nb	10	-	10	1011.6	0	WSW	4	o/r	50	97	6	-	Nb	10	-	10	2
Bornway	1012.3	-2	SW	3	o/r	53	92	5	450	St	10	-	10	1008.3	-3	SW	4	o	51	92	5	450	St	10	-	10	3
Wick	1013.9	-1	SSW	3	o/r	50	92	8	5750	St	10	-	10	1011.6	-2	SSW	2	o	49	97	9	-	o	CSr	7	0	0
Caister	1014.8	-2	SSW	5	o	52	92	7	1500	St	9	-	9	1009.7	-5	S	5	o/r	52	92	6	800	Nb	10	-	10	6
Aberdeen	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1011.2	-4	o	0	c	49	92	8	4000	St	8	-	8	0
Malin Head	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1014.8	-1	SW	2	bc	48	92	4	5750	St	4	-	4	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1012.3	-5	SSW	1	c	53	92	8	4000	St	8	-	8	1
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.2	-4	SSW	3	o	51	85	7	2500	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.4	-2	W	2	c	50	85	8	-	St	7	-	7	2
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1017.4	-2	S	4	o/r	48	97	6	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1018.8	-2	W	2	o	52	85	5	-	o	A.Sr	10	0	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.5	-4	WSW	2	c	52	92	8	5750	St	6	A.Sr	8	1
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1015.3	-5	S	3	c	52	92	6	4000	St	8	-	8	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.2	-4	SSW	4	o	51	85	8	1500	St	6	A.Sr	9	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.8	-3	SSW	3	o/r	52	97	8	1500	St	10	-	10	1
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.3	-3	SSW	1	c	50	85	7	2500	St	7	-	7	3
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.8	-3	SW	1	o	50	85	7	1500	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W/S	2	o	50	92	5	1500	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.6	-1	W	2	mo	49	92	4	3750	St	9	-	9	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.3	-3	SW	2	bc	50	92	6	-	o	A.Sr	6	0	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W/S	2	o	50	92	5	1500	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	5	5750	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	SW	1	o	48	92	6	4000	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	o	0	48	92	8	2500	St	10	-	10	0	
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	6	7250	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW	1	c	48	86	4	5750	St	5	CSr	7	1016.9	-1	W	2	o	49	92	7	800	St	10	-	10	0
Headferry	1016.9	-2	SSW</																								

SUMMARIES FOR THE PAST 24 HOURS

ISALLOBAR

Sunday, 11th December

STATIONS.	WEATHER.				TEMPERATURE.			RAINFALL.				SUN.
	7h-13h.	13h-19h.	19h-24h.	24h-7h.	MAX. Day.	MIN. Night.	MIN. on 7h-13h.	Day.	Night.	Precipitation.	Precipitation.	
Lerwick	ifid	r d	oo	oo	51	47				<0.00		
Stornoway	r d	oo	c	c	53	45		1	0.6			0.0
Wick	coir	c	c	oo	51	47		1		0.00		0.0
Castlebay	op	op	op	opco	53	47		0.3	0.6	<0.00		0.0
Nairn	oo	oo	c	c	54	47						0.1
Aberdeen	becm	c b c m	becm	becm	49	48	44					0.6
Malin Head	c d	oo	p	c	53	48				2.40		0.7
Renfrew	c d	oo	p	mid	53	48	46	Trace	0.2	<0.00	<2.00	0.0
Inchkeith	c	c	c	b r b c	52	48	45					0.0
Eskeleminir	c d	oo	o f e i r	i r o c	50	44	40	0.2	3	14.30	24.00	0.1
Tynemouth	cm	oom	cm	oom	53	47						0.0
Blackad Point												
Donaghadee	c d	c m	c m d	b c q	54	47		0.2	0.2	<0.00	<2.00	0.0
Birr Castle	c o	c o	c i r	c	54	44	40		2			0.0
Baldonnell	oo	oo	o o r r m	o i r b	55	42		Trace	1	<0.00	2.40	0.7
Holyhead	d o c o	o b c o i d	o f o r	r o b c	54	48	45	0.3	9	<0.00	<2.00	0.4
Liverpool (Bidston)	b o r b c	c	f o r d		53	46	37		2		0.43	1.7
Chester (Shotton)	oo	oo	o m c o m	o o r r m	56	47	x		1		0.33	0.0
Howden	f o r m	c	o p		53	45	38					0.4
Spurn Head	b o r b c	f o r m	f o r m	f o r m	50	45						1.3
Nottingham	c	cm	oo		52	43	37					0.0
Cranwell	oo	oo	m m	oo	50	42	39		Trace			0.0
Gorleston	c	f o r m	f o r m	F	52	45	44					0.0
Pulham	oo	oo	oo		50	44	38					0.1
Felixstowe	oo	oo	oo		52	43	41					0.0
Valencia (Cahirciveen)	o d r o	c o r	o p o	o p b c	55	49	45	2	5	<0.00	<2.00	0.1
Roches Point	d o m e	r o d	d r c	r o d	54	46		1	2	<0.00	<2.00	0.0
Pembroke (St. Ann's H.)	o i n d	oo	p	c b c	53	49		1	3	<0.00	<2.00	0.5
Ross-on-Wye	c o b c c	c b c o	o o d o	i d o	56	47	43		0.1		2.40	3.5
Benson	oo	oo	c		52	40	32					0.0
S. Farnborough	c	o o p	f o r m		52	42	33		Trace			0.2
London (New Obsy.)	o m c o	o o m	o o	oo	52	46	42					0.1
Croydon	o m i z	o i z m	o i m m	o i m m	52	46	43					0.1
Clacton-on-Sea	c	o m	o m	o m	52	44	41					0.0
Shoeburyness	f o r m	f o r m	f o r m		53	44	42					0.0
Grain	oo	oo	F		53	44	40		Trace			0.0
Lympne	o i m	oo	oo	o i m o d f	51	46	44		1		0.33	0.0
Scilly (St. Mary's)	oo	oo	o q p	c q	53	48			3		<2.00	0.5
Falmouth (Pendennis)	o m d	o m o m d	o m d	c p b c p	50	48			1		0.23	0.0
Plymouth	oo	o d d o	oo		51	50	47	0.6	3	<0.00	<2.00	0.1
Portland Bill	b o r b c	b o r b c	r o d	r o d	55	50			5		2.40	0.0
Calshot	c	b o r b c	f o r m	r o d	54	45	40		0.2		0.13	1.4
Dungeness	c	oo	c	m t b	52	48			0.1		0.23	0.0
Jersey	o d o e	o c d o	o d o r	o d r o	55	47		0.2	4	0.90	1.40	0.4



Observations from Cross Channel Steamers

Position.	Date and Time.	Steamship.	Wind.		Weather.	Temp.	
			Dir.	Force.		Air.	Sea.
3	10 ^h 03 ^m	Dieppe	W	1	o f r	52	52
2	10 ^h 10 ^m	Anglia	SSW	4	o	54	54

GENERAL INFERENCE.

In the rear of a trough of low pressure moving Eastward over Great Britain the wind will become North-Westerly generally with a rather lower temperature but the change will probably be temporary.

Further Outlook.

Districts.	Forecasts for the 24 hours commencing 15h G.M.T. Sunday, 11th December, 1921.	Further Outlook.
1. S.E. England	Wind between West and North-West, light to moderate or fresh; some showers, then fair, with good visibility. Rather colder.	Wind becoming Westerly or South-Westerly again.
2. E. England		
3. E. Midlands		
4. W. Midlands		
5. S.W. England	Wind North-Westerly to Westerly, moderate or fresh; mainly fair to cloudy or dull; visibility fair or good. Rather colder.	
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 West to North-West, moderate or fresh; changeable sky, some showers; visibility fair. Rather colder.	
14. N. & N.W. Scotland		
15. Hebrides		
16. Orkneys and Shetlands		
17. N.W. Ireland	Wind North-West, backing later to West or South-West, moderate or fresh; mainly fair, but local showers; visibility good. Rather colder.	
18. N.E. Ireland		
19. S.E. Ireland		
20. S.W. Ireland		

SYNOPTIC CHART FOR MORNING OF Sunday, 11th December, 1921.

Scale - 1:10,000,000
Nautical Miles. 100 200 300
Statute Miles. 100 200 300

TEMPERATURE WEATHER, SEA.

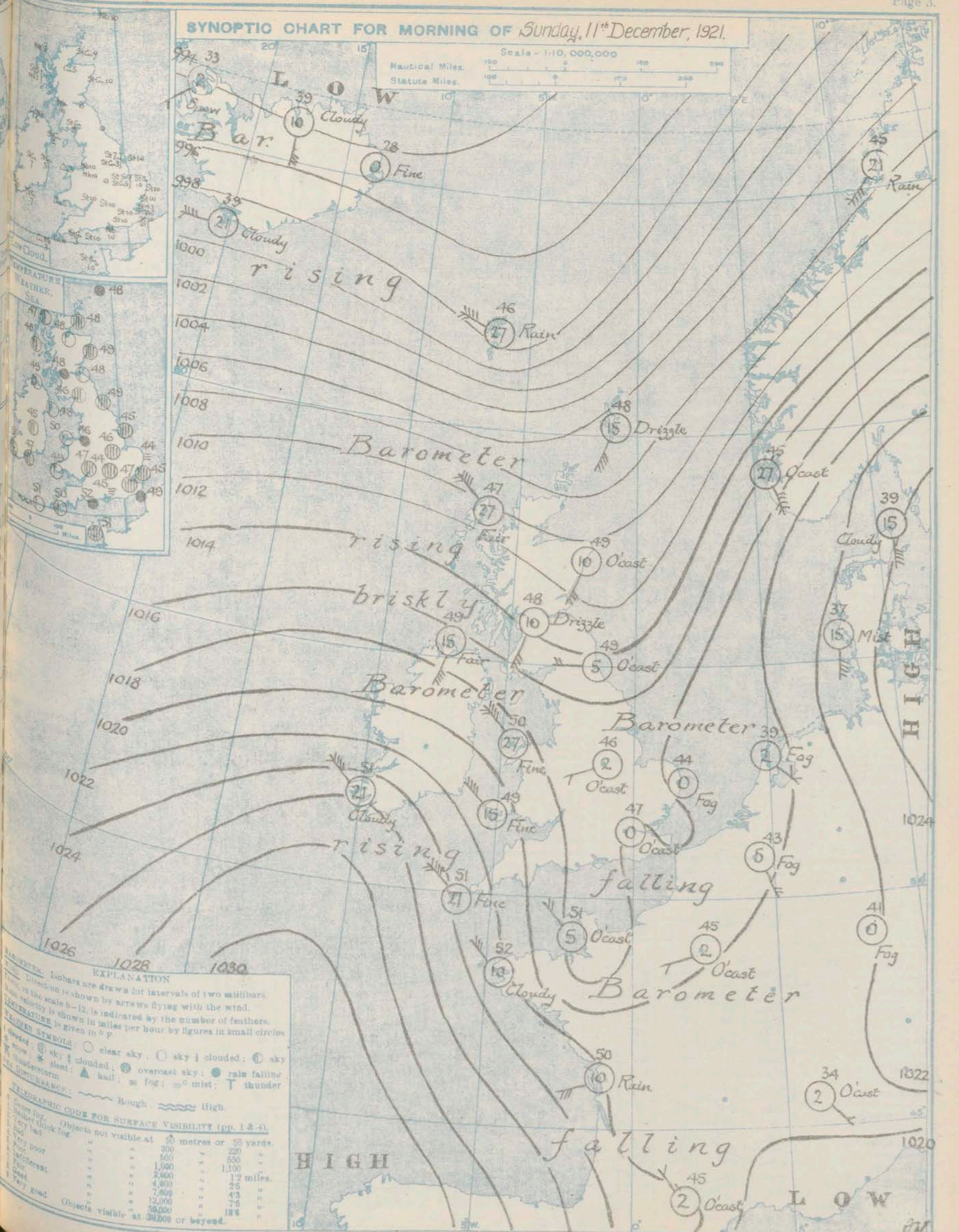
Temp.	Wind	Sea
52	52	52
54	54	54

rough of
wind
generally
temperature
bably

Outlook.

becoming
or southerly
again.

S. Direct



EXPLANATION

Isobars are drawn for intervals of two millibars.
Direction is shown by arrows flying with the wind.
Speed on the scale 0-12 is indicated by the number of feathers.
Temperature is shown in miles per hour by figures in small circles.
Weather symbols are given in p.p.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 2).

Objects not visible at	50 metres or 55 yards.	100 metres or 110 yards.	200 metres or 220 yards.	500 metres or 550 yards.	1,000 metres or 1,100 yards.	2,000 metres or 2,200 yards.	4,000 metres or 4,400 yards.	7,000 metres or 7,700 yards.	12,000 metres or 13,200 yards.	20,000 metres or 22,000 yards.	30,000 metres or 33,000 yards.	40,000 metres or 44,000 yards.	50,000 metres or 55,000 yards.	60,000 metres or 66,000 yards.	70,000 metres or 77,000 yards.	80,000 metres or 88,000 yards.	90,000 metres or 99,000 yards.	100,000 metres or 110,000 yards.	120,000 metres or 132,000 yards.	150,000 metres or 165,000 yards.	200,000 metres or 220,000 yards.	250,000 metres or 275,000 yards.	300,000 metres or 330,000 yards.	400,000 metres or 440,000 yards.	500,000 metres or 550,000 yards.	600,000 metres or 660,000 yards.	700,000 metres or 770,000 yards.	800,000 metres or 880,000 yards.	900,000 metres or 990,000 yards.	1,000,000 metres or 1,100,000 yards.	1,200,000 metres or 1,320,000 yards.	1,500,000 metres or 1,650,000 yards.	2,000,000 metres or 2,200,000 yards.	2,500,000 metres or 2,750,000 yards.	3,000,000 metres or 3,300,000 yards.	4,000,000 metres or 4,400,000 yards.	5,000,000 metres or 5,500,000 yards.	6,000,000 metres or 6,600,000 yards.	7,000,000 metres or 7,700,000 yards.	8,000,000 metres or 8,800,000 yards.	9,000,000 metres or 9,900,000 yards.	10,000,000 metres or 11,000,000 yards.	12,000,000 metres or 13,200,000 yards.	15,000,000 metres or 16,500,000 yards.	20,000,000 metres or 22,000,000 yards.	25,000,000 metres or 27,500,000 yards.	30,000,000 metres or 33,000,000 yards.	40,000,000 metres or 44,000,000 yards.	50,000,000 metres or 55,000,000 yards.	60,000,000 metres or 66,000,000 yards.	70,000,000 metres or 77,000,000 yards.	80,000,000 metres or 88,000,000 yards.	90,000,000 metres or 99,000,000 yards.	100,000,000 metres or 110,000,000 yards.	120,000,000 metres or 132,000,000 yards.	150,000,000 metres or 165,000,000 yards.	200,000,000 metres or 220,000,000 yards.	250,000,000 metres or 275,000,000 yards.	300,000,000 metres or 330,000,000 yards.	400,000,000 metres or 440,000,000 yards.	500,000,000 metres or 550,000,000 yards.	600,000,000 metres or 660,000,000 yards.	700,000,000 metres or 770,000,000 yards.	800,000,000 metres or 880,000,000 yards.	900,000,000 metres or 990,000,000 yards.	1,000,000,000 metres or 1,100,000,000 yards.	1,200,000,000 metres or 1,320,000,000 yards.	1,500,000,000 metres or 1,650,000,000 yards.	2,000,000,000 metres or 2,200,000,000 yards.	2,500,000,000 metres or 2,750,000,000 yards.	3,000,000,000 metres or 3,300,000,000 yards.	4,000,000,000 metres or 4,400,000,000 yards.	5,000,000,000 metres or 5,500,000,000 yards.	6,000,000,000 metres or 6,600,000,000 yards.	7,000,000,000 metres or 7,700,000,000 yards.	8,000,000,000 metres or 8,800,000,000 yards.	9,000,000,000 metres or 9,900,000,000 yards.	10,000,000,000 metres or 11,000,000,000 yards.	12,000,000,000 metres or 13,200,000,000 yards.	15,000,000,000 metres or 16,500,000,000 yards.	20,000,000,000 metres or 22,000,000,000 yards.	25,000,000,000 metres or 27,500,000,000 yards.	30,000,000,000 metres or 33,000,000,000 yards.	40,000,000,000 metres or 44,000,000,000 yards.	50,000,000,000 metres or 55,000,000,000 yards.	60,000,000,000 metres or 66,000,000,000 yards.	70,000,000,000 metres or 77,000,000,000 yards.	80,000,000,000 metres or 88,000,000,000 yards.	90,000,000,000 metres or 99,000,000,000 yards.	100,000,000,000 metres or 110,000,000,000 yards.	120,000,000,000 metres or 132,000,000,000 yards.	150,000,000,000 metres or 165,000,000,000 yards.	200,000,000,000 metres or 220,000,000,000 yards.	250,000,000,000 metres or 275,000,000,000 yards.	300,000,000,000 metres or 330,000,000,000 yards.	400,000,000,000 metres or 440,000,000,000 yards.	500,000,000,000 metres or 550,000,000,000 yards.	600,000,000,000 metres or 660,000,000,000 yards.	700,000,000,000 metres or 770,000,000,000 yards.	800,000,000,000 metres or 880,000,000,000 yards.	900,000,000,000 metres or 990,000,000,000 yards.	1,000,000,000,000 metres or 1,100,000,000,000 yards.	1,200,000,000,000 metres or 1,320,000,000,000 yards.	1,500,000,000,000 metres or 1,650,000,000,000 yards.	2,000,000,000,000 metres or 2,200,000,000,000 yards.	2,500,000,000,000 metres or 2,750,000,000,000 yards.	3,000,000,000,000 metres or 3,300,000,000,000 yards.	4,000,000,000,000 metres or 4,400,000,000,000 yards.	5,000,000,000,000 metres or 5,500,000,000,000 yards.	6,000,000,000,000 metres or 6,600,000,000,000 yards.	7,000,000,000,000 metres or 7,700,000,000,000 yards.	8,000,000,000,000 metres or 8,800,000,000,000 yards.	9,000,000,000,000 metres or 9,900,000,000,000 yards.	10,000,000,000,000 metres or 11,000,000,000,000 yards.	12,000,000,000,000 metres or 13,200,000,000,000 yards.	15,000,000,000,000 metres or 16,500,000,000,000 yards.	20,000,000,000,000 metres or 22,000,000,000,000 yards.	25,000,000,000,000 metres or 27,500,000,000,000 yards.	30,000,000,000,000 metres or 33,000,000,000,000 yards.	40,000,000,000,000 metres or 44,000,000,000,000 yards.	50,000,000,000,000 metres or 55,000,000,000,000 yards.	60,000,000,000,000 metres or 66,000,000,000,000 yards.	70,000,000,000,000 metres or 77,000,000,000,000 yards.	80,000,000,000,000 metres or 88,000,000,000,000 yards.	90,000,000,000,000 metres or 99,000,000,000,000 yards.	100,000,000,000,000 metres or 110,000,000,000,000 yards.	120,000,000,000,000 metres or 132,000,000,000,000 yards.	150,000,000,000,000 metres or 165,000,000,000,000 yards.	200,000,000,000,000 metres or 220,000,000,000,000 yards.	250,000,000,000,000 metres or 275,000,000,000,000 yards.	300,000,000,000,000 metres or 330,000,000,000,000 yards.	400,000,000,000,000 metres or 440,000,000,000,000 yards.	500,000,000,000,000 metres or 550,000,000,000,000 yards.	600,000,000,000,000 metres or 660,000,000,000,000 yards.	700,000,000,000,000 metres or 770,000,000,000,000 yards.	800,000,000,000,000 metres or 880,000,000,000,000 yards.	900,000,000,000,000 metres or 990,000,000,000,000 yards.	1,000,000,000,000,000 metres or 1,100,000,000,000,000 yards.	1,200,000,000,000,000 metres or 1,320,000,000,000,000 yards.	1,500,000,000,000,000 metres or 1,650,000,000,000,000 yards.	2,000,000,000,000,000 metres or 2,200,000,000,000,000 yards.	2,500,000,000,000,000 metres or 2,750,000,000,000,000 yards.	3,000,000,000,000,000 metres or 3,300,000,000,000,000 yards.	4,000,000,000,000,000 metres or 4,400,000,000,000,000 yards.	5,000,000,000,000,000 metres or 5,500,000,000,000,000 yards.	6,000,000,000,000,000 metres or 6,600,000,000,000,000 yards.	7,000,000,000,000,000 metres or 7,700,000,000,000,000 yards.	8,000,000,000,000,000 metres or 8,800,000,000,000,000 yards.	9,000,000,000,000,000 metres or 9,900,000,000,000,000 yards.	10,000,000,000,000,000 metres or 11,000,000,000,000,000 yards.	12,000,000,000,000,000 metres or 13,200,000,000,000,000 yards.	15,000,000,000,000,000 metres or 16,500,000,000,000,000 yards.	20,000,000,000,000,000 metres or 22,000,000,000,000,000 yards.	25,000,000,000,000,000 metres or 27,500,000,000,000,000 yards.	30,000,000,000,000,000 metres or 33,000,000,000,000,000 yards.	40,000,000,000,000,000 metres or 44,000,000,000,000,000 yards.	50,000,000,000,000,000 metres or 55,000,000,000,000,000 yards.	60,000,000,000,000,000 metres or 66,000,000,000,000,000 yards.	70,000,000,000,000,000 metres or 77,000,000,000,000,000 yards.	80,000,000,000,000,000 metres or 88,000,000,000,000,000 yards.	90,000,000,000,000,000 metres or 99,000,000,000,000,000 yards.	100,000,000,000,000,000 metres or 110,000,000,000,000,000 yards.	120,000,000,000,000,000 metres or 132,000,000,000,000,000 yards.	150,000,000,000,000,000 metres or 165,000,000,000,000,000 yards.	200,000,000,000,000,000 metres or 220,000,000,000,000,000 yards.	250,000,000,000,000,000 metres or 275,000,000,000,000,000 yards.	300,000,000,000,000,000 metres or 330,000,000,000,000,000 yards.	400,000,000,000,000,000 metres or 440,000,000,000,000,000 yards.	500,000,000,000,000,000 metres or 550,000,000,000,000,000 yards.	600,000,000,000,000,000 metres or 660,000,000,000,000,000 yards.	700,000,000,000,000,000 metres or 770,000,000,000,000,000 yards.	800,000,000,000,000,000 metres or 880,000,000,000,000,000 yards.	900,000,000,000,000,000 metres or 990,000,000,000,000,000 yards.	1,000,000,000,000,000,000 metres or 1,100,000,000,000,000,000 yards.	1,200,000,000,000,000,000 metres or 1,320,000,000,000,000,000 yards.	1,500,000,000,000,000,000 metres or 1,650,000,000,000,000,000 yards.	2,000,000,000,000,000,000 metres or 2,200,000,000,000,000,000 yards.	2,500,000,000,000,000,000 metres or 2,750,000,000,000,000,000 yards.	3,000,000,000,000,000,000 metres or 3,300,000,000,000,000,000 yards.	4,000,000,000,000,000,000 metres or 4,400,000,000,000,000,000 yards.	5,000,000,000,000,000,000 metres or 5,500,000,000,000,000,000 yards.	6,000,000,000,000,000,000 metres or 6,600,000,000,000,000,000 yards.	7,000,000,000,000,000,000 metres or 7,700,000,000,000,000,000 yards.	8,000,000,000,000,000,000 metres or 8,800,000,000,000,000,000 yards.	9,000,000,000,000,000,000 metres or 9,900,000,000,000,000,000 yards.	10,000,000,000,000,000,000 metres or 11,000,000,000,000,000,000 yards.	12,000,000,000,000,000,000 metres or 13,200,000,000,000,000,000 yards.	15,000,000,000,000,000,000 metres or 16,500,000,000,000,000,000 yards.	20,000,000,000,000,000,000 metres or 22,000,000,000,000,000,000 yards.	25,000,000,000,000,000,000 metres or 27,500,000,000,000,000,000 yards.	30,000,000,000,000,000,000 metres or 33,000,000,000,000,000,000 yards.	40,000,000,000,000,000,000 metres or 44,000,000,000,000,000,000 yards.	50,000,000,000,000,000,000 metres or 55,000,000,000,000,000,000 yards.	60,000,000,000,000,000,000 metres or 66,000,000,000,000,000,000 yards.	70,000,000,000,000,000,000 metres or 77,000,000,000,000,000,000 yards.	80,000,000,000,000,000,000 metres or 88,000,000,000,000,000,000 yards.	90,000,000,000,000,000,000 metres or 99,000,000,000,000,000,000 yards.	100,000,000,000,000,000,000 metres or 110,000,000,000,000,000,000 yards.	120,000,000,000,000,000,000 metres or 132,000,000,000,000,000,000 yards.	150,000,000,000,000,000,000 metres or 165,000,000,000,000,000,000 yards.	200,000,000,000,000,000,000 metres or 220,000,000,000,000,000,000 yards.	250,000,000,000,000,000,000 metres or 275,000,000,000,000,000,000 yards.	300,000,000,000,000,000,000 metres or 330,000,000,000,000,000,000 yards.	400,000,000,000,000,000,000 metres or 440,000,000,000,000,000,000 yards.	500,000,000,000,000,000,000 metres or 550,000,000,000,000,000,000 yards.	600,000,000,000,000,000,000 metres or 660,000,000,000,000,000,000 yards.	700,000,000,000,000,000,000 metres or 770,000,000,000,000,000,000 yards.	800,000,000,000,000,000,000 metres or 880,000,000,000,000,000,000 yards.	900,000,000,000,000,000,000 metres or 990,000,000,000,000,000,000 yards.	1,000,000,000,000,000,000,000 metres or 1,100,000,000,000,000,000,000 yards.	1,200,000,000,000,000,000,000 metres or 1,320,000,000,000,000,000,000 yards.	1,500,000,000,000,000,000,000 metres or 1,650,000,000,000,000,000,000 yards.	2,000,000,000,000,000,000,000 metres or 2,200,000,000,000,000,000,000 yards.	2,500,000,000,000,000,000,000 metres or 2,750,000,000,000,000,000,000 yards.	3,000,000,000,000,000,000,000 metres or 3,300,000,000,000,000,000,000 yards.	4,000,000,000,000,000,000,000 metres or 4,400,000,000,000,000,000,000 yards.	5,000,000,000,000,000,000,000 metres or 5,500,000,000,000,000,000,000 yards.	6,000,000,000,000,000,000,000 metres or 6,600,000,000,000,000,000,000 yards.	7,000,000,000,000,000,000,000 metres or 7,700,000,000,000,000,000,000 yards.	8,000,000,000,000,000,000,000 metres or 8,800,000,000,000,000,000,000 yards.	9,000,000,000,000,000,000,000 metres or 9,900,000,000,000,000,000,000 yards.	10,000,000,000,000,000,000,000 metres or 11,000,000,000,000,000,000,000 yards.	12,000,000,000,000,000,000,000 metres or 13,200,000,000,000,000,000,000 yards.	15,000,000,000,000,000,000,000 metres or 16,500,000,000,000,000,000,000 yards.	20,000,000,000,000,000,000,000 metres or 22,000,000,000,000,000,000,000 yards.	25,000,000,000,000,000,000,000 metres or 27,500,000,000,000,000,000,000 yards.	30,000,000,000,000,000,000,000 metres or 33,000,000,000,000,000,000,000 yards.	40,000,000,000,000,000,000,000 metres or 44,000,000,000,000,000,000,000 yards.	50,000,000,000,000,000,000,000 metres or 55,000,000,000,000,000,000,000 yards.	60,000,000,000,000,000,000,000 metres or 66,000,000,000,000,000,000,000 yards.	70,000,000,000,000,000,000,000 metres or 77,000,000,000,000,000,000,000 yards.	80,000,000,000,000,000,000,000 metres or 88,000,000,000,000,000,000,000 yards.	90,000,000,000,000,000,000,000 metres or 99,000,000,000,000,000,000,000 yards.	100,000,000,000,000,000,000,000 metres or 110,000,000,000,000,000,000,000 yards.	120,000,000,000,000,000,000,000 metres or 132,000,000,000,000,000,000,000 yards.	150,000,000,000,000,000,000,000 metres or 165,000,000,000,000,000,000,000 yards.	200,000,000,000,000,000,000,000 metres or 220,000,000,000,000,000,000,000 yards.	250,000,000,000,000,000,000,000 metres or 275,000,000,000,000,000,000,000 yards.	300,000,000,000,000,000,000,000 metres or 330,000,000,000,000,000,000,000 yards.	400,000,000,000,000,000,000,000 metres or 440,000,000,000,000,000,000,000 yards.	500,000,000,000,000,000,000,000 metres or 550,000,000,000,000,000,000,000 yards.	600,000,000,000,000,000,000,000 metres or 660,000,000,000,000,000,000,000 yards.	700,000,000,000,000,000,000,000 metres or 770,000,000,000,000,000,000,000 yards.	800,000,000,000,000,000,000,000 metres or 880,000,000,000,000,000,000,000 yards.	900,000,000,000,000,000,000,000 metres or 990,000,000,000,000,000,000,000 yards.	1,000,000,000,000,000,000,000,000 metres or 1,100,000,000,000,000,000,000,000 yards.	1,200,000,000,000,000,000,000,000 metres or 1,320,000,000,000,000,000,000,000 yards.	1,500,000,000,000,000,000,000,000 metres or 1,650,000,000,000,000,000,000,000 yards.	2,000,000,000,000,000,000,000,000 metres or 2,200,000,000,000,000,000,000,000 yards.	2,500,000,000,000,000,000,000,00
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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

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BRITISH SECTION. SUNDAY, 11th December 1921.

No. 345

STATIONS.	Observations at 0100 G.M.T. 11 th											Observations at 0700 G.M.T. 11 th															
	Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. op.	Humidity. %	Visibility. 0-8	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. op.	Humidity. %	Visibility. 0-8	Height of Low Cloud. Feet	Cloud.					
			Direc.	Force						Form.	Amt.	Total Amt.			Direc.	Force						Form.	Amt.	Total Amt.			
																									0-12	0-10	0-10
Lerwick ...	1008.2	-4	SSW	4	0	48	97	7	-	0	AS	10	1006.9	0	SSW	4	0	48	97	6	-	Nb	9	-	9		
Stornoway ...	1006.4	-3	SW	6	0	48	97	5	-	-	-	-	1011.1	+12	NW	6	0	47	85	6	5750	Nb	5	-	5		
Wick ...	1006.4	-3	SSW	3	0+	50	92	8	800	St	10	-	1007.3	+2	SW	3	0	48	98	8	5750	St	9	-	9		
Castlebay ...	"	"	"	"	"	"	"	"	"	"	"	"	1014.0	+10	W	3	0	48	98	8	1500	St	8	-	8		
Nairn ...	"	"	"	"	"	"	"	"	"	"	"	"	1008.9	"	W	3	0+	48	85	8	4000	St	3	-	3		
Aberdeen ...	"	"	"	"	"	"	"	"	"	"	"	"	1011.1	+1	SSW	3	0+	49	92	6	4000	St	10	-	10		
Malin Head ...	1009.5	-2	SSW	3	0/y	50	92	8	4000	C.Nb	10	-	1016.4	+8	SSW	4	b/c	49	92	8	-	C.Nb	6	-	6		
Renfrew ...	"	"	"	"	"	"	"	"	"	"	"	"	1013.4	+3	SSW	3	ad	48	97	5	1500	Nb	10	-	10		
Inchkeith ...	1011.9	-2	SW	3	0/y	50	85	9	-	St	10	-	1011.5	+2	WSW	4	bv	48	85	9	-	0	AS	3	-	3	
Eskdalemuir ...	"	"	"	"	"	"	"	"	"	"	"	"	1015.0	+4	SW	2	c	46	85	8	2500	St	8	-	8		
Tynemouth ...	1015.0	-3	W	2	0	49	85	5	4000	St	2	AS	9	1014.8	0	W	2	0	49	92	6	-	0	AS	10	-	10
Blackod Point ...	"	"	"	"	"	"	"	"	"	"	"	"	1017.0	+5	W	3	b	48	85	8	5750	St	2	AL	3	-	3
Donaghadee ...	"	"	"	"	"	"	"	"	"	"	"	"	1021.3	"	W	2	c	45	92	3	2500	St	7	-	7		
Birr Castle ...	"	"	"	"	"	"	"	"	"	"	"	"	1020.8	+5	WSW	3	b+	43	92	8	2500	St	3	-	3		
Baldonnell ...	1015.2	0	W	4	0/r	48	85	7	1500	St	10	-	1019.1	+6	NW	6	b	50	85	8	2500	St	3	-	3		
Holyhead ...	1014.3	-3	SSW	5	0/r	48	85	6	200	St	10	-	1017.6	+4	W	3	0/r	46	92	7	800	Nb	10	-	10		
Liverpool (Bidston) ...	"	"	"	"	"	"	"	"	"	"	"	"	1017.0	+5	WNW	3	0/r	47	97	5	125	Nb	10	-	10		
Chester (Shotwick) ...	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"		
Howden ...	"	"	"	"	"	"	"	"	"	"	"	"	1017.1	+4	SSW	1	0	46	97	3	1500	St	10	-	10		
Spurn Head ...	1017.9	-3	SW	3	mm	47	92	4	450	St	10	-	1017.0	0	SW	2	ffo	45	97	4	450	St	10	-	10		
Nottingham ...	"	"	"	"	"	"	"	"	"	"	"	"	1017.4	"	WSW	1	0	46	97	5	-	0	AS	10	-	10	
Cranwell ...	1018.7	-2	SW	3	0	48	97	6	2500	St	10	-	1017.9	+1	SW	2	0	45	97	6	2500	St	10	-	10		
Gorleston ...	1019.7	-1	S	2	mm	45	97	4	2500	St	10	-	1019.5	-1	"	0	fo	44	97	3	1500	St	10	-	10		
Pulham ...	"	"	"	"	"	"	"	"	"	"	"	"	1017.9	-1	"	0	ffo	44	97	3	4000	St	10	-	10		
Felixstowe ...	"	"	"	"	"	"	"	"	"	"	"	"	1018.9	0	"	0	0	43	97	7	200	St	10	-	10		
Valencia (Cahiroiveen) ...	1020.4	+4	N	8	b/c	52	85	4	"	"	"	"	1026.3	+5	NW	5	c	51	92	7	2500	St	7	-	7		
Roches Point ...	"	"	"	"	"	"	"	"	"	"	"	"	1024.8	+6	W	4	c	47	85	8	1500	St	7	-	7		
Pembroke (St. Ann's H.) ...	1016.3	-4	SSW	4	0/y	50	92	8	800	Nb	5	AS	10	"	WSW	4	b	49	85	8	4000	St	2	-	2		
Ross-on-Wye ...	"	"	"	"	"	"	"	"	"	"	"	"	1017.8	+1	SW	2	0/r	47	97	8	2500	St	10	-	10		
Benson ...	"	"	"	"	"	"	"	"	"	"	"	"	1017.9	+2	"	0	0	44	92	7	4150	St	10	-	10		
S. Farnborough ...	"	"	"	"	"	"	"	"	"	"	"	"	1018.2	+1	"	0	ffo	45	97	2	1500	St	10	-	10		
London (Kew Obs.) ...	"	"	"	"	"	"	"	"	"	"	"	"	1018.2	+	"	0	0	47	97	6	4000	St	10	-	10		
Croydon ...	1020.1	-2	S	1	0	47	92	6	2500	St	10	-	1018.2	0	S	2	0	46	97	6	1500	St	10	-	10		
Clacton-on-Sea ...	"	"	"	"	"	"	"	"	"	"	"	"	1017.8	-1	SSE	2	0	45	97	4	-	0	AS	10	-	10	
Shoeburyness ...	"	"	"	"	"	"	"	"	"	"	"	"	1018.0	-2	SW	1	mm	46	85	5	1500	St	10	-	10		
Grain ...	"	"	"	"	"	"	"	"	"	"	"	"	1018.3	-1	"	0	FFO	45	97	4	1500	St	10	-	10		
Lymington ...	1020.3	-3	NW	2	0	46	97	7	2500	St	10	-	1017.8	-1	"	0	fo	47	97	2	4150	St	10	-	10		
Scilly (St. Mary's) ...	1018.6	-4	NW	3	0/r	50	97	8	4000	Nb	10	-	1023.7	+6	NW	6	b	51	85	8	4000	C.Nb	3	-	3		
Falmouth (Pendennis) ...	1018.3	-8	W	5	0	50	85	6	1500	Nb	10	-	1022.2	+4	NW	6	b	50	85	8	4000	St	3	-	3		
Plymouth ...	"	"	"	"	"	"	"	"	"	"	"	"	1020.1	+4	NW	3	b	50	85	8	4000	St	3	-	3		
Portland Bill ...	1019.0	-4	W	4	0/r	51	85	8	800	St	10	-	1017.8	-2	NNW	3	0/r	52	85	7	450	St	10	-	10		
Calshot ...	1019.9	-2	"	0	mm	47	97	6	1500	St	10	-	1017.9	-1	"	0	od	47	97	4	800	Nb	10	-	10		
Dungeness ...	1021.0	-2	SW	1	c	49	97	7	4000	St	8	-	1017.3	-3	SW	1	c	49	97	8	-	0	AS	10	-	10	
Jersey Th. ...	1020.8	-4	SW	3	0/y	50	85	8	7250	C.Nb	6	AL	9	1017.9	0	NW	2	0/r	51	92	8	2500	St	10	-	10	
Guernsey Th. ...	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"		

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

STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL†		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL†		SUNSHINE.	
		Fore-noon.	After-noon.	Max. Day.	Min. Night.	Night 9-10.	Day 10-11.	Sunrise to Sunset.				Fore-noon.	After-noon.	Max. Day.	Min. Night.	Night 9-10.	Day 10-11.	Sunrise to Sunset.	
				°F.	°F.	mm.	mm.	hr.	hr.					°F.	°F.	mm.	mm.	hr.	hr.
Banff ...	roc	bc	52	43	-	0.2	0.1			Paignton ...	ocm	cro	?	48				0.0	
Montrose ...	bc	b	52	43	-	-	2.1			Ilfracombe ...	od	ocod	52	50	-	0.4		0.0	
Llandudno ...	c	bc	53	50	-	-	1.2			Bude ...	d	o	54	50	1	-		0.2	
Colwyn Bay ...	bc	bc	56	51	-	-	2.3			Penzance ...	od	odm	51	49	0.3	0.2		0.0	
Rhyl ...	c	bc	56	49	-	-	1.0			Torquay ...	o	o	53	49	-	-		1.7	
Southport ...	co	oco	51	48	-	-	0.0			Weymouth ...	oc	bc	58	49	-	-			
Blackpool ...	ome	o	51	49	-	-	0.0			Bournemouth ...	oc	b	54	47	-	-		3.1	
Harrogate ...	b	bc	52	47	-	-	2.8			Portsmouth (S. Thos.)	cb	b	53	49	-	-		2.5	
Skewness ...	obcc	obcc	51	46	-	-	0.0			Worthing ...	obc	bc	52	48	-	-		1.2	
Aberystwyth ...	oc	o	52	48	-	-	0.0			Brighton ...	oc	c	53	49	-	-		1.5	
Bath ...	o	oc	54	41	-	-	1.2			Eastbourne ...	oc	o	53	49	-	-		0.9	
Leamington Spa ...	oe	oe	50	41	-	-	0.0			Hastings ...	oc	co	53	48	-	-		0.0	
Lowestoft ...	om	om	51	47	-	-	0.0			Folkestone ...	moc	cbc	52	48	-	-		0.2	
Felixstowe ...	cm	om	52	47	-	-	0.2			Tonbridge Wells ...	oc	co	54	47	-	-		0.5	
Southend ...	om	om	51	44	-	-	0.0			Ramsgate ...	o	o	50	46	0.2	-		0.0	
										Margate ...	o	o	52	46	-	-		0.0	
										Deal ...	bc	o	51	43	-	-		0.0	

* Information for these columns not usually received.

† Trace = rain has fallen, but amount less than 0.1 mm.

‡ For code see page 2.

§ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B21935

MONDAY, 12th DECEMBER 1921.

Page 1.

STATIONS.	Observations at 1300 G.M.T. 11 ^h														Observations at 1800 G.M.T. 11 ^h													
	Barom. at M.S.L.	Change in 3 Hours	Wind.		Weather.	Temp. up.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours	Wind.		Weather.	Temp. up.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Sun.			
			Direc.	Force						Form.	Amnt.	Direc.			Force	Form.						Amnt.	Form.	Amnt.		Form.	Amnt.	Sun.
Derby	1011.6	+5	WNW	5	bc	46	85	7	-	StrCu	9	-	9	1011.4	+6	WNW	2	bc	43	75	7	-	StrCu	6	-	6	1	
Doncaster	1019.6	+9	NW	3	bc	45	75	7	4000	Cu	5	-	5	1022.1	+3	WSW	2	ct	43	85	7	800	Str	8	-	8	1	
Wick	1017.0	+10	W	2	bc	45	85	8	6750	Cu	5	-	5	1022.1	+5	WSW	2	b	39	92	8	5750	Cu	3	-	3	0	
Cardiff	1022.1	+3	WNW	4	b/r	48	75	8	2500	Cu	2	AS	3	1024.2	+2	SW	4	ct	49	75	8	1500	Str	8	-	8	4	
Aberdeen	1019.3	+8	NW	4	b	47	75	8	4000	StrCu	1	-	1	1024.0	-	-	0	b	38	83	9	-	-	0	-	0	0	
Malin Head	1022.7	+5	NW	3	b/r	49	85	8	4000	StrCu	4	-	4	1025.7	+1	W	2	bc	47	92	8	5750	StrCu	3	AS	4	4	
Roscow	1022.0	+8	WNW	4	b	48	75	8	5750	StrCu	3	-	3	1026.3	+6	SW	1	fb	36	92	3	-	-	0	-	0	-	
Kilkeith	1022.1	+9	W	4	b	49	85	8	-	StrCu	2	-	2	1025.7	+5	W	2	b	43	85	7	-	-	0	AS	2	2	
Baldernair	1021.8	+6	NW	4	b	46	75	8	2500	StrCu	3	-	3	1027.0	+6	-	0	b	36	85	8	-	-	0	AS	1	0	
Tynemouth	1019.4	+3	W	2	b	51	75	7	-	-	0	AS	2	1024.8	+4	W	2	0	48	85	7	5750	StrCu	10	-	10	0	
Blackhead Point	1024.3	+5	W	2	bc	49	75	8	4000	Cu	2	AS	4	1025.7	+4	W	2	ct	42	92	8	4000	Cu	6	AS	9	2	
Donaghadee	1027.3	-	W	1	bc	49	75	8	-	-	0	AS	4	1028.4	-	W	1	ct	45	97	6	450	Str	6	AS	8	0	
River Carle	1027.0	+5	SWW	3	b	49	75	8	-	-	0	AS	1	1029.6	+3	SW	2	ct	38	92	7	-	-	0	AS	8	0	
Malinbeg	1025.3	+5	NW	5	b	50	85	8	2500	Cu	3	-	3	1028.3	+4	NW	4	bc	49	75	8	1500	Cu	2	AS	3	1	
Polyhead	1023.4	+4	WNW	3	b/r	48	85	8	-	-	0	AS	4	1026.9	+4	WNW	3	bc	46	85	9	-	-	0	-	0	3	
Liverpool (Bidston)	1023.0	+5	NW	5	a	49	85	9	2500	StrCu	9	-	9	1025.9	+3	SW	3	b	41	97	7	-	-	0	-	0	-	
Cheshire (Bosworth)	1021.0	+4	W	1	c	47	92	5	1500	Str	3	AS	8	1024.6	+3	W	2	c	46	92	5	1500	StrCu	6	AS	8	1	
Southampton	1021.7	-	NW	3	c	51	75	5	2500	StrCu	4	AS	7	1026.2	-	NW	1	b	43	97	4	-	-	0	-	0	-	
Gravelly	1021.3	+2	NW	4	b/r	50	85	7	4000	StrCu	2	AS	4	1025.5	+5	NW	3	c	45	92	6	4000	StrCu	5	AS	7	-	
Gravelly	1021.6	+1	NW	1	mo	49	92	4	1500	Str	10	-	10	1023.7	+2	NW	1	fb	46	92	3	1500	Str	10	-	10	0	
Fulham	1020.8	+2	-	0	0	50	85	6	-	-	0	AS	10	1024.4	+2	NW	1	0	47	92	5	4000	StrCu	10	-	10	-	
Fulham	1021.7	+2	NW	2	0	51	85	7	2500	StrCu	10	-	10	1025.0	+4	-	0	fb	41	97	1	-	-	0	AS	4	0	
Valencia (Cahiroliaven)	1029.1	+1	W	3	c	52	65	9	-	-	0	AS	8	1029.7	+1	SE-E	1	c	44	85	5	2500	StrCu	2	AS	8	4	
Roscow	1029.0	+2	WNW	3	b	50	75	8	-	-	0	AS	3	1026.2	+2	-	0	c	44	92	8	-	-	0	AS	7	0	
Penrith (St. Ann's II)	1026.4	+4	NW	4	b	50	92	8	4000	Cu	1	-	1	1029.1	+3	N	3	b	45	85	8	4000	Cu	3	-	3	4	
Penrith	1025.3	+4	NW	3	CV	51	75	9	4000	StrCu	8	-	8	1026.9	+3	N	1	b	46	85	8	-	-	0	-	0	-	
S. Farborough	1021.9	+3	NW	3	off	49	85	6	-	SV	10	-	10	1025.4	+3	N	2	0	47	85	6	-	Str	10	-	10	-	
London (Kew Obs.)	1021.3	+3	NW	2	off	50	85	8	2500	StrCu	10	-	10	1025.7	+4	NW	1	mo	48	92	6	2500	StrCu	10	-	10	-	
Croydon	1021.6	+2	NW	2	mo	50	85	5	4000	Str	10	-	10	1025.5	+4	N	2	off	49	85	5	2500	Str	10	-	10	-	
Clayton-on-Sea	1021.5	+3	NW	1	off	47	97	2	450	Str	10	-	10	1025.2	+4	NW	3	off	47	97	2	450	Str	10	-	10	-	
Sharncliffe	1021.5	+3	NE	1	off	49	85	7	4000	Cu	5	-	5	1023.5	+5	ESE	1	c	46	92	3	-	-	0	AS	8	0	
Grain	1022.0	+4	-	0	off	45	97	2	450	Str	10	-	10	1025.0	+4	-	0	off	43	92	3	4000	Str	6	-	6	-	
Lynton	1020.7	+2	NW	3	0	47	97	6	800	Str	8	AS	10	1024.6	+3	N	3	0	46	97	6	1500	Str	6	AS	10	2	
Sally (St. Mary's)	1028.7	+3	NW	5	b	53	75	8	4000	Cu	1	-	1	1030.0	+2	NW	4	bc	49	85	9	4000	Cu	1	-	1	5	
Walsingham (Pendennis)	1026.8	+1	NNE	5	bc	51	65	8	4000	Cu	4	-	4	1027.5	+3	NNE	3	ct	48	75	8	4000	Cu	7	-	7	0	
Plymouth	1025.0	+3	NW	4	b	52	75	8	2500	StrCu	3	-	3	1028.1	+6	N	1	b	48	92	8	2500	StrCu	1	-	1	0	
Portland Bill	1021.5	+4	NW	4	b/r	52	85	8	1500	StrCu	6	-	6	1025.5	+4	NW	4	bc	52	85	8	1500	StrCu	6	-	6	2	
Calshot	1021.9	+3	NW	4	off	50	85	7	1500	StrCu	9	-	9	1026.0	+4	NW	2	0	49	85	8	2500	StrCu	10	-	10	0	
Dungeness	1020.6	+3	NE	2	ct	48	97	7	800	Str	8	-	8	1024.4	+4	NNE	1	ct	47	92	7	-	-	0	AS	8	2	
Jersey	1022.4	+1	NW	5	off	52	75	8	2500	StrCu	10	-	10	1025.4	+1	NW	3	0	52	75	8	2500	StrCu	10	-	10	3	

LONDON OBSERVATIONS.	WEATHER.			TEMPERATURE.			RAIN-FALL. Inch.	SUNSHINE to Sunset.	HUMIDITY.		ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.	SOLAR RADIATION. Vertical component per square centimetre.	POLE STAR RECORD at Greenwich Obv.			
	Morning.	After- noon.	Night.	Max. °F.	Min. °F.	Min. on Grass °F.	Day. Night.	hrs.	11h. G.M.T.	9h. G.M.T.						
	24 HOURS ENDED 0900 G.M.T. 11 ^h						YESTERDAY.		TO-DAY.					24 Hrs. ended 1800 G.M.T. 11 ^h	During yesterday.	Exposure from 11 ^h.....17.....h 9 m to 12 ^h 06.....h 45 m
Raw Croydon	com.	mod.	mod.			33	-	-	0.0			South Kensington	South Kensington.	Stars.	Expo- sure.	Record.
Greenwich (Royal Obv.)	0.0	0.0	0.0	49	45	41	0.0	0.0	94	94						
Clay (Bromhill Row)									0.0							
Woolwich (St. James' Pl.)				50	43	36	-	0.0	86	92						
Deptford (St. Michael's Obv.)									0.0							
Canterbury (St. Dunstons)				50	40	34	0.0			98						
Hampton Palace	0.0	0.0		50	42	35			95 (104)	96						
RAF Hampstead Observatory				48	42	29	0.0	0.0		96						

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.				BEAUFORT NOTATION OF WEATHER.				SEA DISTURBANCE.			
STATIONS.	Sunrise.	Noon.	Sunset.	1	2	3	4	5	6	7	8
RAF	7.51	11.47	3.36	1	2	3	4	5	6	7	8
RAF	7.52	11.47	3.36	1	2	3	4	5	6	7	8
RAF	7.55	11.54	3.49	1	2	3	4	5	6	7	8
RAF	8.55	12.6	3.6	1	2	3	4	5	6	7	8
RAF	8.56	12.6	3.6	1	2	3	4	5	6	7	8
RAF	8.42	12.35	4.27	1	2	3	4	5	6	7	8
RAF	8.43	12.35	4.27	1	2	3	4	5	6	7	8

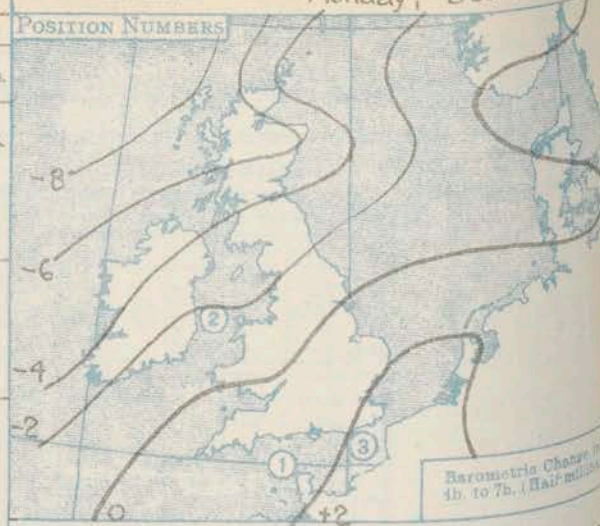
For explanation, see Introduction. * Information for these columns not usually received. † The barometric change is expressed in half millibars. ‡ For code see page 2.

SUMMARIES FOR THE PAST 24 HOURS

ISALLOBARS

Monday, Dec. 12th

STATIONS	WEATHER				TEMPERATURE			RAINFALL				SON.
	7h-12h	12h-18h	18h-N	1h-7h	MAX. Day	MIN. Night	MIN. on GRAFS	Day 7h-12h	Night 12h-7h	Precipitation began	Precipitation ended	
Lerwick	p	c	oo	barbc	50	43	-	0.3	-	20800	-	-
Stornoway	c	c	c	rnd	47	42	-	0.2	0.2	-	-	1.2
Wick	cir	barbc	c	oo	48	35	-	1	-	0900	-	-
Castletown	op bc	bc o	a	op	49	49	-	Trace	0.2	-	-	1.7
Nairn	barbc	barbc	barbc	barbc	49	34	-	-	-	-	-	1.3
Aberdeen	amcb	barbc	barbc	barbc	50	35	25	-	-	-	-	3.2
Malin Head	cp	barbc	c	barbc	51	41	-	-	-	-	-	1.5
Renfrew	barbc	b hf	bc cime	barbc	50	41	24	Trace	Trace	-	-	3.9
Inchkeith	barbc	barbc	form	barbc	49	40	35	-	-	-	-	-
Edinburgh	cir	barbc	bcc o	barbc	47	25	21	Trace	-	0900	-	4.7
Tynemouth	barbc	ooim	cim	barbc	51	38	-	-	-	-	-	-
Blackhead Point	-	-	-	-	-	-	-	-	-	-	-	-
Donaghadee	bc	cm	c	bc	51	38	-	-	-	-	-	-
Birr Castle	cobc	bcc o	co	co	49	37	31	-	-	-	-	4.2
Baldonnell	barbc	c	oo	barbc	49	35	30	-	-	-	-	3.4
Holyhead	bc c b	bc o b	bcc o	bcc	51	41	32	-	-	-	-	3.4
Liverpool (Bidston)	form	barbc	b or bc	barbc	49	40	26	Trace	-	0900	-	2.4
Chester (Shotwick)	form	barbc	bcc xm	barbc	49	30	-	0.3	-	20900	-	-
Howden	-	-	-	-	-	-	-	-	-	-	-	-
Spurn Head	form	form	oo	form	47	44	-	-	-	-	-	0.8
Nottingham	cm	cm	cm	cm	51	41	36	-	-	-	-	0.0
Cranwell	so d	c	mm	oo	50	42	39	0.1	-	0900	-	2.7
Gorleston	F	F	F	F	50	44	41	-	-	-	-	0.0
Pulham	oo	oo	oo	oo	50	43	41	-	-	-	-	0.8
Felixstowe	form	F	F	F	52	39	35	-	-	-	-	0.5
Valencia (Cahiroiveen)	c	c	co	cor	52	44	42	-	0.4	-	0530	2.2
Roches Point	barbc	barbc	c	barbc	54	41	-	-	0.1	-	-	-
Pembroke (St. Ann's H.)	barbc	barbc	barbc	c	50	42	-	-	-	-	-	5.4
Ross-on-Wye	col cl	bc o c b	bc	bm x	51	28	23	-	-	-	-	0.5
Benson	ro	oo	oo	oo	50	35	29	0.2	Trace	-	-	-
S. Farnborough	form	oo	form	form	50	39	29	Trace	Trace	-	-	0.0
London (New Obs.)	oom	oom	oom	oom	50	43	33	-	-	-	-	0.0
Croydon	ofe d	oo fs	od f e f m	om	48	44	41	0.2	Trace	1230	<2100	0.0
Glacton-on-Sea	o c	bc cm	cb me	bo me	49	41	35	-	0.3	-	-	1.0
Shoeburyness	barbc	form	F	F	49	36	34	-	Trace	-	-	1.3
Grain	F	F	FF	FF	47	35	29	Trace	0.1	1230	-	0.4
Lymington	ofe d	oo	om b f	b f o f	48	41	35	0.1	0.1	0900	-	1.5
Soilly (St. Mary's)	barbc	barbc	oo	c	53	46	-	-	-	-	-	4.5
Falmouth (Pendennis)	bcp	bc c	c	c	52	45	-	-	-	-	-	4.2
Plymouth	barbc	barbc	barbc	barbc	52	37	31	-	-	-	-	5.2
Portland Bill	c	c	barbc	barbc	56	42	-	-	-	-	-	-
Calshot	ro d	c	oo	oo	51	45	43	0.3	-	20900	-	0.9
Dungeness	ro d	c	mff	fm	50	41	-	1	-	20900	-	-
Jersey	o r o	b	o	o	53	49	-	2	-	0900	-	0.0



Observations from Cross Channel Steamers.

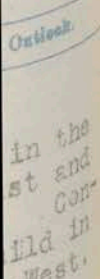
Position	Date and Time	Steamship	Wind		Weather	Temp	
			Dir.	Force		Air	Sea
3	11 th 0300	Brighton	W	4	d.	51	52
2	11 th 1000	Anglia	WNW	5	b	54	54

GENERAL INFERENCE.

A trough of low pressure extending from Iceland to the South of Ireland is moving North Eastward and will cause rain with strong winds between South and West over Ireland and Scotland. Over Southern and Eastern England conditions will continue quiet but with a lower temperature than of late.

Districts	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 12th December, 1921.	Further Outlook
1. S.E. England	Wind light variable or North-Easterly; less cloud than of late but much mist or fog; colder.	Colder in the South, East and Midlands. Continuing mild in the North-West.
2. E. England		
3. E. Midlands		
4. W. Midlands		
5. S.W. England		
6. South Wales	Wind South to South-West moderate or fresh, veering West later; dull, probably some rain; visibility fair; mild.	
7. North Wales		
8. N.W. England		
9. N. Midlands		
10. N.E. England		
11. E. Scotland	Wind South to South-West, veering West, fresh or strong; dull, some rain then fairer; visibility fair to good; mild.	
12. S.W. Scotland		
13. Isle of Man		
14. N. & N.W. Scotland	Wind South veering West strong to a gale, then moderating; rainy at first then fairer; visibility fair to good; mild.	
15. Hebrides		
16. Orkneys and Shetlands		
17. N.W. Ireland	Wind South veering West fresh or strong; dull, some rain then fairer; visibility fair to good; mild.	
18. N.E. Ireland		
19. S.E. Ireland		
20. S.W. Ireland		

SHC-4



HIGH

LOW

H.M.S.O. Price, Kensington, W.C.2.

No. 34-6

1 See footnote page

Low Cl

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B21936

TUESDAY, 13th DECEMBER 1921.

Page 1.

STATIONS.	Observations at 1200 G.M.T. 12 ^h												Observations at 1800 G.M.T. 12 ^h												
	Barom. at M.S.L.	Change in 3 Hours	Wind.		Temp.	Humidity.	Visibility.	Height of Low Cloud.	Cloud.			Barom. at M.S.L.	Change in 3 Hours	Wind.		Temp.	Humidity.	Visibility.	Height of Low Cloud.	Cloud.			Barom. at M.S.L.		
			Dir.	Force					Form.	Amt.	Total Form.			Total Amt.	Dir.					Force	Form.	Amt.		Total Form.	Total Amt.
m. h.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.			
Larwick	1010.1	+	SW	6	48	85	6	5750	Sc	5	11	1010.2	+	SW	6	47	85	4	-	0	11	10	1010.2	+	
Greenway	1011.8	+	WSW	6	48	85	5	4000	Sc	2	2	1011.7	+	W	4	46	85	5	4000	Sc	1	1	1011.7	+	
Wick	1012.9	0	SW	5	48	85	8	4500	Sc	6	6	1012.8	+	WSW	3	46	85	9	4000	Sc	1	1	1012.8	+	
Castlebay	1016.5	+	W	5	48	85	Y	1500	Sc	3	3	1016.4	+	W	5	47	85	8	4000	Sc	2	2	1016.4	+	
Saïro	1018.5	+	SW	2	45	85	Y	1500	Sc	3	11	1018.4	+	SW	2	46	85	6	4000	Sc	5	5	1018.4	+	
Aberdeen	1019.5	+	SW	2	45	85	Y	1500	Sc	3	11	1019.4	+	SW	2	46	85	6	4000	Sc	5	5	1019.4	+	
Malin Head	1019.4	+	SW	3	48	85	5	4000	Sc	9	9	1019.3	+	WSW	3	46	85	5	4000	Sc	2	2	1019.3	+	
Belfast	1020.4	+	SW	4	48	85	3	4500	Sc	10	10	1020.3	+	WSW	3	46	85	5	4000	Sc	2	2	1020.3	+	
Blackhead	1019.8	+	WSW	4	48	85	8	5	Sc	5	11	1019.7	+	WSW	3	46	85	8	500	Sc	10	10	1019.7	+	
Malinbeg	1022.8	+	SW	5	48	85	6	225	Sc	10	10	1022.7	+	WSW	2	47	85	5	4000	Sc	Y	11	9	1022.7	+
Tynemouth	1024.2	+	W	2	46	85	5	1500	Sc	3	11	1024.1	+	W	1	47	85	5	4000	Sc	Y	11	9	1024.1	+
Blackpool Point	1022.3	+	SSW	3	48	85	Y	2500	Sc	9	9	1022.2	+	SSW	3	47	85	8	-	0	11	3	1022.2	+	
Donaghadee	1024.4	+	W	1	48	85	6	450	Sc	10	10	1024.3	+	W	1	47	85	Y	1500	Sc	Y	11	9	1024.3	+
Bir Castle	1023.4	+	SSW	5	48	85	5	1500	Sc	10	10	1023.3	+	SSW	3	47	85	Y	1500	Sc	Y	11	9	1023.3	+
Baldonnel	1023.4	+	SSW	5	48	85	5	1500	Sc	10	10	1023.3	+	SSW	3	47	85	Y	1500	Sc	Y	11	9	1023.3	+
Holyhead	1023.4	+	SSW	5	48	85	5	1500	Sc	10	10	1023.3	+	SSW	3	47	85	Y	1500	Sc	Y	11	9	1023.3	+
Liverpool (Bilston)	1026.4	+	W	2	46	85	6	4000	Sc	2	3	1026.3	+	W	1	47	85	5	4000	Sc	Y	11	9	1026.3	+
Chester (Shotwick)	1025.8	+	SSW	3	46	85	8	2500	Sc	3	4	1025.7	+	SSW	1	47	85	5	1500	Sc	10	10	1025.7	+	
Newden	1027.6	+	SW	2	47	85	4	1500	Sc	3	11	1027.5	+	SW	3	46	85	5	1500	Sc	4	11	1027.5	+	
Spurs Head	1027.6	+	SW	2	47	85	8	-	0	11	9	1027.5	+	SW	2	46	85	5	4000	Sc	3	11	1027.5	+	
Nottingham	1027.6	+	SW	2	47	85	8	-	0	11	9	1027.5	+	SW	2	46	85	5	4000	Sc	3	11	1027.5	+	
Cranwell	1028.0	+	SW	3	47	85	5	5750	Sc	1	11	1027.9	+	SSW	3	46	85	5	-	0	11	6	1027.9	+	
Corlston	1028.0	+	WS	1	47	85	3	1500	Sc	10	10	1027.9	+	WS	1	46	85	5	2500	Sc	10	10	1027.9	+	
Fulham	1028.0	+	WS	1	47	85	4	1500	Sc	10	10	1027.9	+	WS	1	46	85	5	2500	Sc	10	10	1027.9	+	
Palmerston	1028.0	+	WS	1	47	85	4	1500	Sc	10	10	1027.9	+	WS	1	46	85	5	2500	Sc	10	10	1027.9	+	
Valencia (Cahireveen)	1026.9	+	WN	3	47	85	8	1500	Sc	5	11	1026.8	+	WN	4	46	85	8	1500	Sc	Y	11	9	1026.8	+
Roche Point	1026.9	+	W	4	47	85	0	500	Sc	10	10	1026.8	+	W	3	46	85	Y	-	0	11	4	1026.8	+	
Embrock (St. Ann's H.)	1028.1	+	WSW	4	47	85	8	4000	Sc	6	6	1028.0	+	WSW	4	46	85	6	450	Sc	10	10	1028.0	+	
Ross-on-Wye	1028.1	+	W	1	47	85	4	-	0	11	9	1028.0	+	W	2	46	85	5	2500	Sc	10	10	1028.0	+	
Beaconsfield	1028.1	+	W	1	47	85	4	-	0	11	9	1028.0	+	W	2	46	85	5	2500	Sc	10	10	1028.0	+	
S. Farnborough	1028.1	+	W	1	47	85	4	-	0	11	9	1028.0	+	W	2	46	85	5	2500	Sc	10	10	1028.0	+	
London (New Obs.)	1028.1	+	WNW	1	47	85	4	2500	Sc	10	10	1028.0	+	WNW	1	46	85	4	1500	Sc	10	10	1028.0	+	
Croydon	1028.1	+	W	1	47	85	4	1500	Sc	10	10	1028.0	+	W	1	46	85	4	1500	Sc	10	10	1028.0	+	
Chesham-on-Sea	1028.1	+	W	1	47	85	4	1500	Sc	10	10	1028.0	+	W	1	46	85	4	1500	Sc	10	10	1028.0	+	
Weymouth	1028.1	+	W	1	47	85	4	1500	Sc	10	10	1028.0	+	W	1	46	85	4	1500	Sc	10	10	1028.0	+	
Grain	1028.1	+	W	1	47	85	4	1500	Sc	10	10	1028.0	+	W	1	46	85	4	1500	Sc	10	10	1028.0	+	
Lymington	1028.1	+	W	1	47	85	4	1500	Sc	10	10	1028.0	+	W	1	46	85	4	1500	Sc	10	10	1028.0	+	
Scilly (St. Mary's)	1028.1	+	SW	3	47	85	8	4000	Sc	5	11	1028.0	+	SW	3	46	85	5	800	Sc	10	10	1028.0	+	
Plymouth (Fendennis)	1028.1	+	W	3	47	85	8	4000	Sc	4	11	1028.0	+	W	4	46	85	6	1500	Sc	8	11	1028.0	+	
Plymouth	1028.1	+	W	3	47	85	8	4000	Sc	4	11	1028.0	+	W	4	46	85	6	1500	Sc	8	11	1028.0	+	
Portland Bill	1028.1	+	W	3	47	85	8	4000	Sc	4	11	1028.0	+	W	4	46	85	6	1500	Sc	8	11	1028.0	+	
Calshot	1028.1	+	W	3	47	85	8	4000	Sc	4	11	1028.0	+	W	4	46	85	6	1500	Sc	8	11	1028.0	+	
Wanborough	1028.1	+	W	3	47	85	8	4000	Sc	4	11	1028.0	+	W	4	46	85	6	1500	Sc	8	11	1028.0	+	
Jersey	1028.1	+	W	3	47	85	8	4000	Sc	4	11	1028.0	+	W	4	46	85	6	1500	Sc	8	11	1028.0	+	

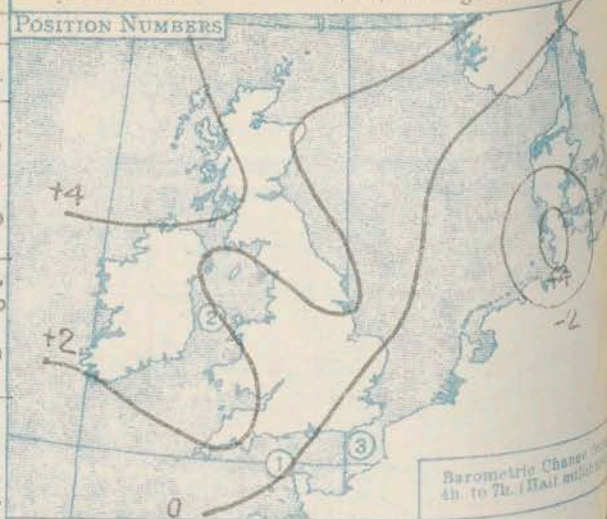
LONDON OBSERVATIONS.										WEATHER.				TEMPERATURE.				RAIN-FALL.		SUN-SHINE.		HUMIDITY.		ATMOSPHERIC POLLUTION.		SOLAR RADIATION.		POLE STAR RECORD at Greenwich Obsy.																																																													
										Morning.		Afternoon.		Night.		Max.		Min.		Min. on Grass.		Day.		Night.		Sunshine to Sunset.		1st.		2nd.		1st.		2nd.		Vertical component per square centimetre.		Exposure from																																																			
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24 HOURS ENDED 000 G.M.T. 13 th										YESTERDAY.										TO-DAY.										24 HRS. ENDED 1800 G.M.T. 12 th										During yesterday.										South Kensington.										Polaris.										Exposure from																			
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Greenwich (Royal Obs																																																																																									

SUMMARIES FOR THE PAST 24 HOURS.

ISALLOBARS

0700, Tuesday, Dec. 13th 1921.

STATIONS.	WEATHER.				TEMPERATURE.			RAINFALL.				SUN.
	7h-12h.	12h-12h.	12h-12h.	12h-12h.	MAX. Day.	MIN. Night.	MIN. on GRASS.	Day. 7h-12h.	Night. 12h-7h.	Precipitation began.	Precipitation ended.	
Lerwick	b	b	rad	harm	49	41	.	1	1	13.30	21.00	.
Sornoway	b	b	c	babe	51	40	.	3	2	.	.	1.2
Wick	b	b	c	babe	48	37	.	.	.	.	.	.
Castlebay	b	b	b	b	52	45	.	1	1	.	.	1.0
Nairn	b	b	b	b	51	37	.	1	.	11.00	.	0.0
Aberdeen	c	c	b	bc	48	37	27	.	.	.	.	0.1
Malin Head	c	c	cp	cb	51	45	.	0.5	2	11.30	22.00	0.2
Renfrew	c	c	b	bc	49	37	31	3	0.1	11.00	.	0.0
Inchkeith	c	c	b	bc	50	41	37	0.2	Trace	.	.	.
Eskdalemuir	c	c	b	bc	46	34	27	3	0.1	12.30	21.00	0.0
Tynemouth	c	c	b	bc	49	38	.	.	.	.	.	.
Blackod Point	c	c	b	bc	49	37	.	1	.	11.00	.	.
Donaghadee	c	c	b	bc	49	37	.	1	.	11.00	21.00	0.2
Birr Castle	c	c	b	bc	51	35	30	1	0.1	11.00	21.00	0.2
Baldonnel	c	c	b	bc	51	37	33	1	Trace	11.00	21.00	0.4
Holyhead	c	c	b	bc	52	47	42	1	.	12.30	21.00	0.0
Liverpool (Bldston)	c	c	b	bc	49	40	30	0.3	1	16.30	21.00	2.4
Chester (Shutwick)	c	c	b	bc	50	35	.	1	.	.	22.00	.
Howden	c	c	b	bc	48	42	.	.	.	.	.	.
Spurn Head	c	c	b	bc	44	40	35	.	2	.	24.00	0.0
Nottingham	c	c	b	bc	48	39	34	.	1	.	21.00	2.1
Cranwell	c	c	b	bc	44	40	37	.	0.1	.	5.30	0.0
Gorleston	c	c	b	bc	46	39	30	.	0.2	.	4.30	0.0
Fulham	c	c	b	bc	45	36	32	.	0.2	.	5.30	0.0
Felixstowe	c	c	b	bc	54	46	38	3	1	08.00	21.00	0.4
Valencia (Cahirciveen)	c	c	b	bc	54	41	.	1	.	11.00	.	.
Roches Point	c	c	b	bc	52	46	.	3.5	4	16.30	21.00	1.8
Pembroke (St. Ann's H.)	c	c	b	bc	43	40	33	.	4	.	22.00	1.0
Ross-on-Wye	c	c	b	bc	46	31	26	.	4	.	24.00	.
Benson	c	c	b	bc	48	30	26	.	2	.	2.30	0.8
S. Farnborough	c	c	b	bc	48	39	31	.	1	.	3.30	0.0
London (Kew Obsy.)	c	c	b	bc	48	39	35	Trace	2	08.00	3.30	0.0
Croydon	c	c	b	bc	46	39	35	0.2	0.1	.	.	0.0
Olacton-on-Sea	c	c	b	bc	47	34	24	Trace	1	.	.	0.0
Shoeburyness	c	c	b	bc	47	33	29	.	1	.	5.30	0.0
Grain	c	c	b	bc	45	40	39	Trace	.	.	.	0.0
Lympe	c	c	b	bc	54	48	.	2	.	.	21.00	2.8
Scilly (St. Mary's)	c	c	b	bc	55	47	.	2	.	.	21.00	4.3
Falmouth (Pendermas)	c	c	b	bc	52	42	39	.	3	.	21.00	3.3
Plymouth	c	c	b	bc	54	41	.	1	.	.	4.30	.
Portland Bill	c	c	b	bc	48	37	30	.	2	.	4.30	0.4
Calshot	c	c	b	bc	47	43	.	.	.	.	.	.
Dungeness	c	c	b	bc	52	40	.	3	.	.	4.30	0.0
Jersey	c	c	b	bc	.	.	.	.	.	.	.	.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind.		Weather.	Temp.	
			Dirac.	Force.		Air.	Sea.
3	0300 12th	Dieppe	N	2	0	48	51
2	1000 12th	Anglia	SSW	6-7	cu.	52	54

GENERAL INFERENCE.

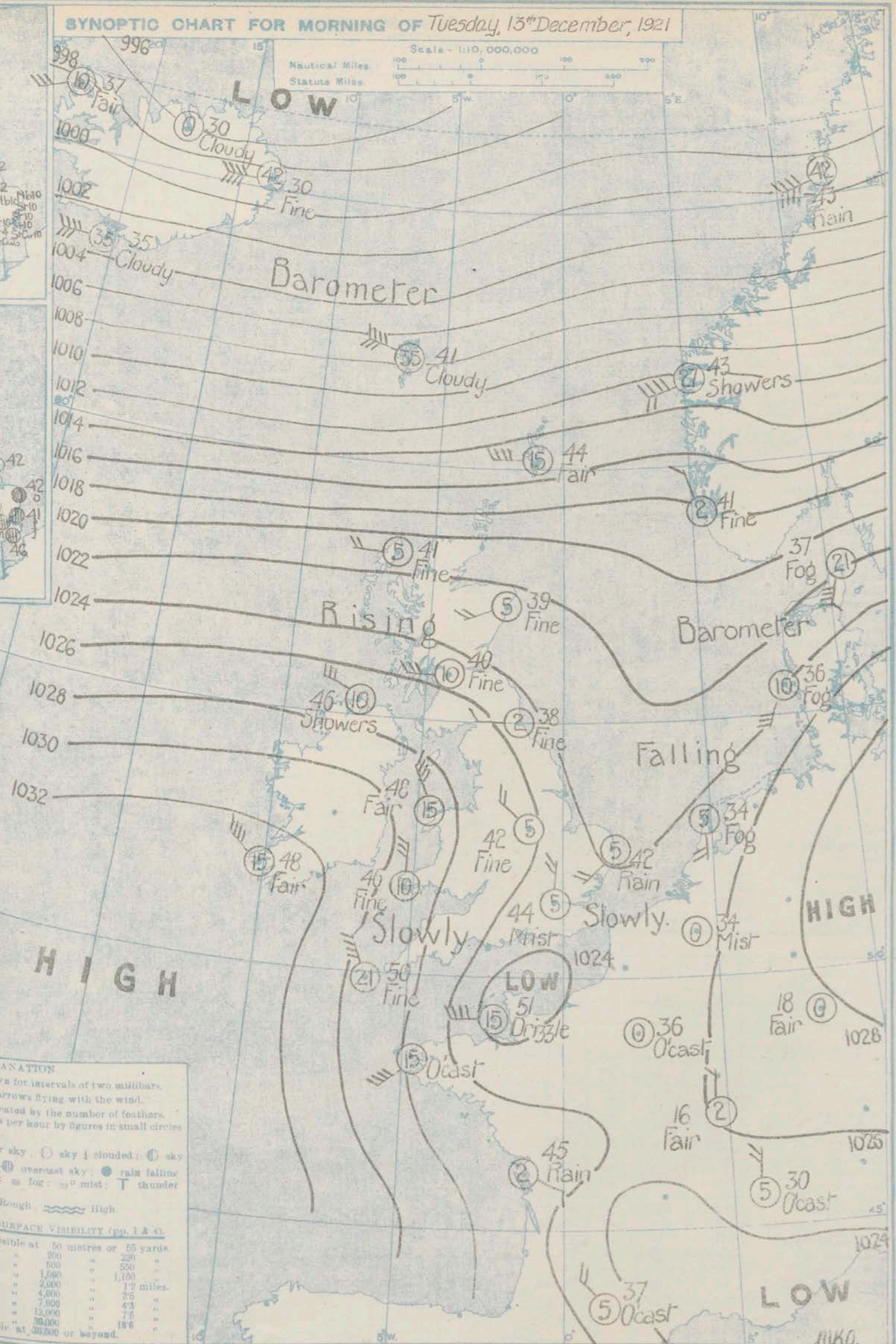
An anticyclone is spreading in again from the South-West and apart from local showers weather will be bright, probably for a day or two, except in the extreme North where secondaries may cause further rain.

Districts.	Forecasts for the 24 hours commencing 15h G.M.T. Tuesday, 13th December, 1921.	Further Outlook.
1. S.E. England	Wind Northerly moderate or light; mainly fine; visibility fair; day temperature moderate, night frost inland.	Mainly fair for a day or two except in extreme North.
2. E. England		
3. E. Midlands		
4. W. Midlands		
5. S.W. England		
6. South Wales		
7. North Wales	Wind West or North-West moderate; fair but local showers; visibility fair; moderate temperature.	
8. N.W. England		
9. N. Midlands		
10. N.E. England		
11. E. Scotland	Wind Westerly moderate; fair but local showers; visibility fair; moderate temperature.	
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	Wind Westerly light or moderate; fair generally; visibility fair; moderate temperature.	
20. S.W. Ireland		

SYNOPTIC CHART FOR MORNING OF Tuesday, 13th December, 1921

Scale - 1:10,000,000

Nautical Miles
Statute Miles



H I G H

H I G H

L O W

L O W

EXPLANATION

Isobars are drawn for intervals of two millibars.
Direction is shown by arrows flying with the wind.
The scale 0-12, is indicated by the number of feathers.
The number is shown in miles per hour by figures in small circles.
TEMPERATURE is given in ° F

SYMBOLS: ○ clear sky, ○ sky & clouded, ○ sky & rain falling
○ sky & drizzle, ○ overcast sky, ○ rain falling
△ hail, = fog, = mist, T thunder

WIND: ~~~~~ Rough ~~~~~ High

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

Objects not visible at	50 metres or 55 yards	100 " "	200 " "	500 " "	1,000 " "	2,000 " "	4,000 " "	7,000 " "	12,000 " "	18,000 " "	Objects visible at 30,000 or beyond.
Low fog	0	1	2	3	4	5	6	7	8	9	10
Thick fog	1	2	3	4	5	6	7	8	9	10	11
Mist	1	2	3	4	5	6	7	8	9	10	11
Drizzle	1	2	3	4	5	6	7	8	9	10	11
Rain	1	2	3	4	5	6	7	8	9	10	11
Snow	1	2	3	4	5	6	7	8	9	10	11
Sleet	1	2	3	4	5	6	7	8	9	10	11
Thunder	1	2	3	4	5	6	7	8	9	10	11

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4.

BRITISH SECTION TUESDAY 13th DECEMBER 1921.

No. 347.

STATIONS.	Observations at 0100 G.M.T. 13 th													Observations at 0700 G.M.T. 13 th													
	Barom. at M.S.L. m.b.	Change in 3 Hours.	Wind.		Weather.	Temp. of.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Sea.	Barom. at M.S.L. m.b.	Change in 3 Hours.	Wind.		Weather.	Temp. of.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.				
			Direc.	Force						Form.	Amt.	Form.				Amt.	Direc.						Force	Form.	Amt.	Form.	Amt.
Lerwick	1011.9	+3	SW	5	b	45	75	7	-	CuNB	3	-	3	1014.7	+3	W	4	bc	44	85	7	-	CuNB	2	Acu	5	
Stornoway	1019.8	+3	W	3	O.	-	-	6	-	-	-	-	-	1021.4	+4	W	2	b.	41	85	7	-	-	-	-	-	
Wick	1017.4	+2	SW	2	b	39	97	9	1500	St	1	-	1	1020.1	+3	SW	2	b	38	97	8	800	St	1	5		
Crailebay	-	-	-	-	-	-	-	-	-	-	-	-	-	1024.7	+4	WNW	4	bc/r	46	85	7	1500	Cu	5	-		
Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	1022.4	-	-	0	bc	38	92	8	1500	Cu	6	-		
Aberdeen	-	-	-	-	-	-	-	-	-	-	-	-	-	1022.8	+2	WSW	2	b.	39	85	5	-	-	-	-		
Malin Head	1024.3	+2	W	3	bc/r	47	97	8	2500	CuNB	6	-	6	1026.6	+4	WNW	3	bc/r	46	97	8	4000	CuNB	7	-		
Renfrew	-	-	-	-	-	-	-	-	-	-	-	-	-	1025.6	+4	W	3	b.	40	92	6	4000	St	1	-		
Inchkeith	1023.3	+2	WSW	3	mmb	43	92	7	-	-	0	-	0	1024.0	+3	WSW	3	mmb	41	92	7	-	-	-	-		
Eskdalemuir	-	-	-	-	-	-	-	-	-	-	-	-	-	1026.4	+2	W	2	b	37	85	7	2500	St	2	-		
Tynemouth	1023.1	+1	W	1	b	45	92	7	-	-	0	-	0	1024.5	+2	W	1	b	38	85	6	-	-	-	-		
Blackhead Point	-	-	-	-	-	-	-	-	-	-	-	-	-	1027.2	+2	WSW	1	b	41	92	8	-	-	-	-		
Donaghadee	-	-	-	-	-	-	-	-	-	-	-	-	-	1031.3	-	W	1	b.	38	97	3	-	-	-	-		
Birr Castle	-	-	-	-	-	-	-	-	-	-	-	-	-	1030.8	+2	WSW	3	b	39	92	8	1500	St	3	-		
Baldonnell	1025.0	+3	WSW	3	b	38	92	6	750	St	2	Acu	3	1028.7	+2	NNW	4	bc	48	85	8	1500	Cu	8	-		
Malin Head	1024.95	+1	WNW	4	c	-	-	8	-	-	0	Acu	7	1027.0	+2	WNW	3	b.	44	85	7	2500	St	1	-		
Liverpool (Bidston)	-	-	-	-	-	-	-	-	-	-	-	-	-	1026.4	+1	SW	1	b.	35	97	4	1500	St	2	-		
Chester (Shotwick)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Howden	-	-	-	-	-	-	-	-	-	-	-	-	-	1024.2	+3	NW	3	b/r	42	97	5	1500	St	2	-		
Spurn Head	1023.9	+1	W	2	bc/r	43	97	2	450	St	10	-	10	1026.4	-	NW	2	b.	42	92	3	-	-	-	-		
Nottingham	-	-	-	-	-	-	-	-	-	-	-	-	-	1025.8	+1	NNW	4	b.	39	97	6	4000	St	2	-		
Cranwell	1024.8	-1	W/S	3	odd	42	97	3	450	Nb	10	-	10	1023.8	-1	SW	2	bc/r	42	97	3	4000	Nb	10	-		
Gorleston	1024.9	-2	SW	2	for	43	97	3	1500	St	10	-	10	1024.2	-1	W	1	bc/r	41	97	3	800	Nb	10	-		
Pulham	-	-	-	-	-	-	-	-	-	-	-	-	-	1024.7	-1	-	0	bc/r	41	97	2	225	St	10	-		
Felixstowe	-	-	-	-	-	-	-	-	-	-	-	-	-	1032.7	+2	NNW	4	bc.	48	85	8	4000	St	4	-		
Valencia (Cahirovean)	1031.6	+1	NN	3	O.	49	75	6	-	Cu	9	-	9	1032.4	+2	NN	3	b	43	92	8	-	-	-	-		
Roche Point	-	-	-	-	-	-	-	-	-	-	-	-	-	1029.8	+2	N	3	b	46	85	8	4000	Cu	1	-		
Pembroke (St. Ann's H.)	1027.9	+2	NN	4	O/r	49	85	8	4000	Cu	9	-	9	1027.4	+2	N	1	b.	41	97	8	-	-	-	-		
Ross-on-Wye	-	-	-	-	-	-	-	-	-	-	-	-	-	1025.8	-2	NNW	1	O/r	44	92	4	-	-	-	-		
Benson	-	-	-	-	-	-	-	-	-	-	-	-	-	1025.2	0	NNW	1	O/r	43	97	5	800	Nb	10	-		
S. Farnborough	-	-	-	-	-	43	-	-	-	-	-	-	-	1025.4	0	N	2	mmb	44	97	4	2500	St	10	-		
London (Kew Obey)	-	-	-	-	-	-	-	-	-	-	-	-	-	1024.9	0	-	0	odd	42	97	2	450	Nb	10	-		
Croydon	1026.1	-2	S	1	O	39	97	4	-	-	0	Cu	10	1024.2	-1	-	0	FFO	41	97	1	450	St	10	-		
Glaughton-on-Sea	-	-	-	-	-	-	-	-	-	-	-	-	-	1024.7	-2	-	0	O/r	41	92	2	450	St	10	-		
Shoeburyness	-	-	-	-	-	-	-	-	-	-	-	-	-	1025.0	-2	-	0	O/r	41	97	4	450	Nb	10	-		
Grain	-	-	-	-	-	-	-	-	-	-	-	-	-	1024.7	-1	-	0	0	43	97	5	2500	St	10	-		
Lympne	1026.0	-2	-	0	0	43	92	5	2500	St	10	-	10	1024.7	-1	-	0	0	43	97	5	2500	St	10	-		
Scilly (St. Mary's)	1028.5	+2	NNW	5	0	51	85	8	4000	St	10	-	10	1029.5	+1	NNW	5	bc.	50	85	8	4000	St	4	-		
Falmouth (Pendennis)	1028.4	0	NNW	4	cl	49	85	7	4000	Cu	6	Cu	8	1029.7	+2	NNW	5	bc/r	48	75	8	4000	Cu	5	-		
Plymouth	-	-	-	-	-	-	-	-	-	-	-	-	-	1028.3	+3	-	0	b	46	92	8	-	-	-	-		
Portland Bill	1025.6	-2	NNW	2	O	46	85	8	1500	St	10	-	10	1025.6	0	NNW	4	O/r	46	85	7	1500	St	10	-		
Calshot	1026.2	-2	-	0	ffo	41	97	3	1500	St	10	-	10	1025.9	+1	NNW	1	O/r	45	97	3	450	Nb	10	-		
Dungeness	1025.9	-2	SW	2	ffo	46	92	8	4000	Cu	8	-	8	1024.3	-1	S	2	O	46	92	8	4000	St	10	-		
Jersey Th.	1027.4	-2	WSW	2	O/r	44	85	8	-	-	0	AST	9	1023.7	-1	W	4	odd	51	92	7	1500	Nb	10	-		
Guernsey Is.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 12 th DECEMBER														Sunshine					
STATIONS.	WEATHER.		TEMPERATURE		RAINFALL†		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE		RAINFALL†		Sunshine		Sunshine to 12 ^h	
	Fore-noon.	After-noon.	Max. Day.	Min. Night.	Night 12h-9h.	Day 9h-12h.	Sunrise to Sunset 12h.			Fore-noon.	After-noon.	Max. Day.	Min. Night.	Night 12h-9h.	Day 9h-12h.	Sunrise to Sunset 12h.			
Banff	bc.c	bc.c	53	33	-	-	0.1	-	Paignton	bc.c	bc.c	50	33	-	-	2.4	-	2.4	
Montrose	0	0	44	32	-	-	0.0	-	Ilfracombe	d.bc	d.c.c	50	39	-	-	1.1	-	1.1	
Llandudno	cd.c	c	53	39	-	-	1.6	-	Bude	bc.b	b	53	33	-	-	2.5	-	2.5	
Colwyn Bay	c.bc	bc	51	41	-	-	2.4	-	Penzance	bc	c.o	54	41	-	-	3.0	-	3.0	
Rhyl	c.bc	bc.c	54	34	-	-	2.3	-	Torquay	bc.c	c.o.b	52	39	-	-	1.9	-	1.9	
Southport	c.o	bc.c	45	34	-	-	1.1	-	Weymouth	bc	bc	43	38	-	-	2.3	-	2.3	
Blackpool	c	or	44	33	-	0.6	0.8	-	Bournemouth	bc.b	c	45	36	-	-	0.0	-	0.0	
Merseyside	bc	bc	44	33	-	-	0.4	-	Portsmouth (Sithsea)	0	0	43	44	-	-	1.2	-	1.2	
Shrewsbury	m.a.c	c.b.c	44	44	-	-	1.5	-	Worthing	bc	bc	49	44	-	-	0.0	-	0.0	
Aberystwyth	c.c.b	c.o	51	36	-	-	0.3	-	Brighton	0	0	48	46	-	-	0.1	-	0.1	
Bath	m.c	bc	45	31	-	-	0.1	-	Eastbourne	0	0	44	42	0.1	-	0.1	-	0.1	
Leamington Spa	c.b.c	c.b	43	31	-	-	1.4	-	Hastings	oc	c.c.f	48	42	0.3	-	0.0	-	0.0	
Lowestoft	ofw	ome	44	45	-	-	0.0	-	Folkestone	m.c	0	44	41	0.5	-	0.0	-	0.0	
Felixstowe	om	F	46	40	-	-	0.0	-	Tunbridge Wells	0	0	44	43	-	-	0.0	-	0.0	
Southend	m.u	0	46	40	-	-	0.0	-	Ramsgate	0	bc	45	41	-	-	0.0	-	0.0	
									Margate	0	0	46	43	-	-	0.0	-	0.0	
									Deal	0	0	46	42	-	-		-		

* 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. 24,937.

Wednesday 14th December 1921

Page 1

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* Information for these columns not usually received.

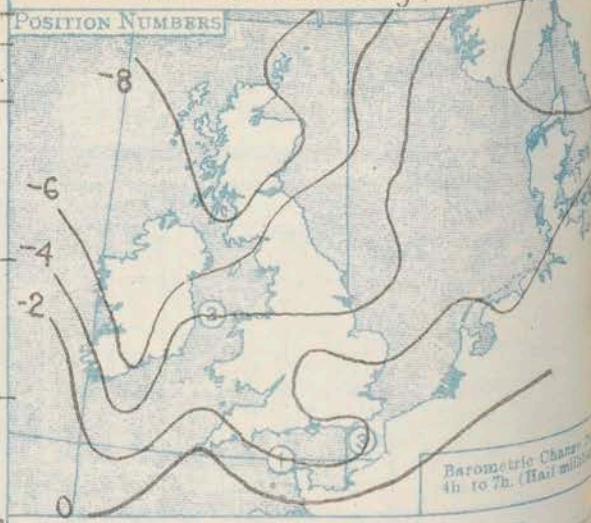
! The barometric change is expressed in half millibars

(For code see page 3)

SUMMARIES FOR THE PAST 24 HOURS.

ISALOBARS 0700. Wednesday, 14th December

STATIONS.	WEATHER.					TEMPERATURE.			RAINFALL.				SUN.
	7h-13h.	13h-18h.	18h-13h.	1h-7h.		MAX.	MIN.	MIN.	Day.	Night.	Precipi-	Precipi-	Hours
	12h.	12h.	to 2h.	12h.		7h-18h.	18h-7h.	on GRASS.	7h-18h. mm.	18h-7h. mm.	tation began.	tation began.	
Lerwick ...	p	b	oo	r d	47	44	0	1	5	<0800	<2100	*	
Stornoway ...	p	b	r d	p	47	45	*	1	4	-	-	1.3	
Wick ...	3. bc	c	oo	o/r	43	42	*	-	0.6	-	0230	2.5	
Castlebay ...	c	c.0	oco	orro	49	48	*	-	2	-	-	2.5	
Nairn ...	b. bc	c	c	c	43	42	*	-	0.4	-	-	2.7	
Aberdeen ...	bm. b	bm. r	bm. o/p		44	38	33	-	4	-	0530	4.7	
Malin Head ...	p	p	oo	r	49	45	*	0.6	1	<0800	<2100	1.2	
Renfrew ...	bm. b	bm. d	and	o. a	44	42	38	-	Trace	-	-	4.8	
Inchkeith ...	f. m	f. m	c	oo	45	41	37	-	-	-	-	*	
Esdailemuir ...	3. bc	b. bc	oo		45	32	27	-	0.1	-	-	5.1	
Tynemouth ...	b. bc. m	b. bc. m	oo. m	oo. m	44	39	*	-	-	-	-	*	
Blacksod Point ...												*	
Donaghadee ...	bc. m	bc. m	bc	and	47	41	*	-	0.2	-	0430	*	
Birr Castle ...	c	c.0	c.0	c.0	48	40	32	-	0.4	-	-	4.7	
Baldonnell ...	b. bc	b. bc	c	o/r	46	40	37	-	Trace	-	0330	5.1	
Holyhead ...	b. bc	b. c	bc. o	oc	49	45	39	-	-	-	-	4.6	
Liverpool (Bidston) ...	b. bc	b. bc	b. bc	b. bc	47	41	26	-	-	-	-	5.1	
Chester (Shotwick) ...	c	c. bc. m	b. r	bc. m	48	34	*	-	-	-	-	*	
Howden ...	b. bc												
Spurn Head ...	b. bc	b. bc	f. m	form	45	36	*	-	-	-	-	4.7	
Nottingham ...	b. bc	b. bc	c. f		48	32	28	-	-	-	-	0.7	
Cranwell ...	md	mm	c	f. f	43	32	28	Trace	Trace	-	-	5.2	
Gorleston ...	o/r	c. bc. f	bc. m	f. f	47	33	32	3	-	<0800	-	0.9	
Pulham ...	r. d	c	F	44	45	31	24	1	-	<0800	-	1.9	
Felixstowe ...	r. d	b. bc	f. m		45	34	31	3	0.1	<0800	-	0.7	
Valencia (Cahiriveen) ...	b. bc	b. c.0	oco	o	51	47	40	-	-	-	-	2.7	
Roches Point ...	b. bc	c	c		50	44	*	-	0.2	-	-	*	
Pembroke (St. Ann's H.) ...	b. bc	b. bc	c	oo	49	44	*	-	-	-	-	5.8	
Ross-on-Wye ...	bm. b	bc. m	bc. m	bc. m	44	29	24	-	-	-	-	6.7	
Benson ...	b. bc	c	cm	fe	46	30	25	0.1	0.1	-	-	*	
S. Farnborough ...	f. m	f. m	r. d		44	29	26	0.2	0.2	<0800	0230	4.7	
London (New Obs.) ...	bm. b	bc. m	bc. m	bc. m	44	32	24	-	-	-	-	3.5	
Croydon ...	bm. b	bc. m	bc. m	bc. m	46	31	25	0.6	Trace	<0800	-	0.7	
Clacton-on-Sea ...	bm. c	bc. m	bc. m	bc. m	45	33	30	4	-	<0800	-	1.1	
Shoeburyness ...	r. d	b. bc	f. m		45	30	26	2	-	11.00	-	1.6	
Grain ...	r. d	F	F		45	30	24	2	Trace	<0800	-	1.1	
Lympne ...	o/r	r. d	b. bc	bc. bc	44	34	30	3	Trace	<0800	-	0.0	
Scilly (St. Mary's) ...	b. bc	p	c	c	52	47	*	0.2	-	10.30	-	3.9	
Falmouth (Pendennis) ...	b. bc	b	bc	c	51	43	*	-	-	-	-	5.3	
Plymouth ...	b. bc	b. bc	c		50	36	31	-	Trace	-	-	6.4	
Portland Bill ...	b. bc	b. bc	b. bc	c	54	40	*	-	-	-	-	*	
Calshot ...	b. bc	f. m	f. m	form	48	35	35	0.1	-	<0800	-	5.1	
Dungeness ...	r. d	c	f. m	m	46	35	*	4	-	<0800	-	*	
Jersey ...	b. bc	b. bc	b	bc	51	42	*	1	-	9.0	-	0.4	



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind.		Weather.	Temp.	
			Dirac.	Force.		Air.	Sea.
3	0300 13 th	Brighton	SW's	3	o. b	46	51
2	1000 13 th	Anglia	WN	4		45	53

GENERAL INFERENCE.

A depression moving Eastward off the North of Scotland and secondaries which are likely to pass more directly over the Kingdom will maintain South-Westerly to Westerly winds and rather unsettled weather for the ensuing 24 hours, perhaps much longer.

Districts. Forecasts for the 24 hours commencing 15h. GMT. Wednesday 14th December 1921.

1. S.E. England	Wind West or South-West, light to moderate; much cloud, some mist, perhaps slight local rain; rather mild for time of year.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	Wind South-West or West, moderate generally, fresh or strong on exposed parts of coast; cloudy or overcast, some rain or drizzle in several localities; visibility indifferent to fair; rather mild.
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	
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	

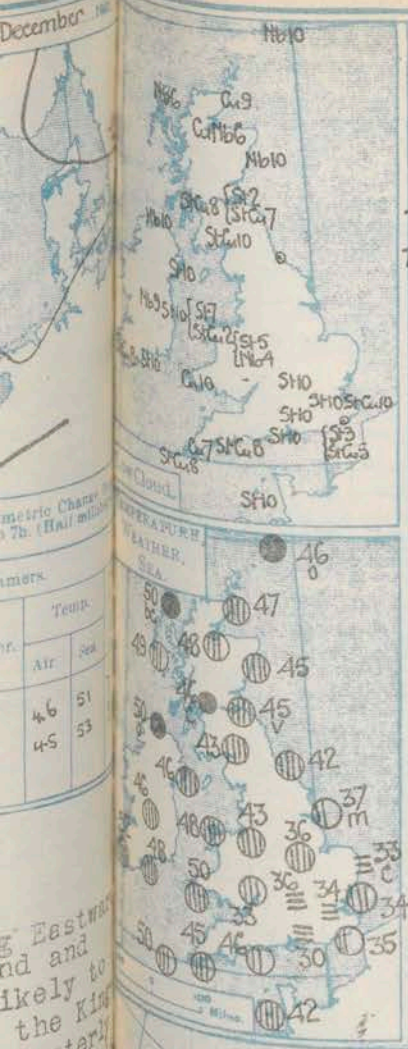
Further Outlook.

Withheld.

South Coast Forecast
03.30h. 14.12.21

SYNOPTIC CHART FOR MORNING OF Wednesday, 14th December, 1921

Scale - 1:10,000,000
Nautical Miles. 100 0 100 200
Statute Miles. 100 0 100 200



Eastward and likely to the King - Westerly weather may ensue longer.

Outlook.

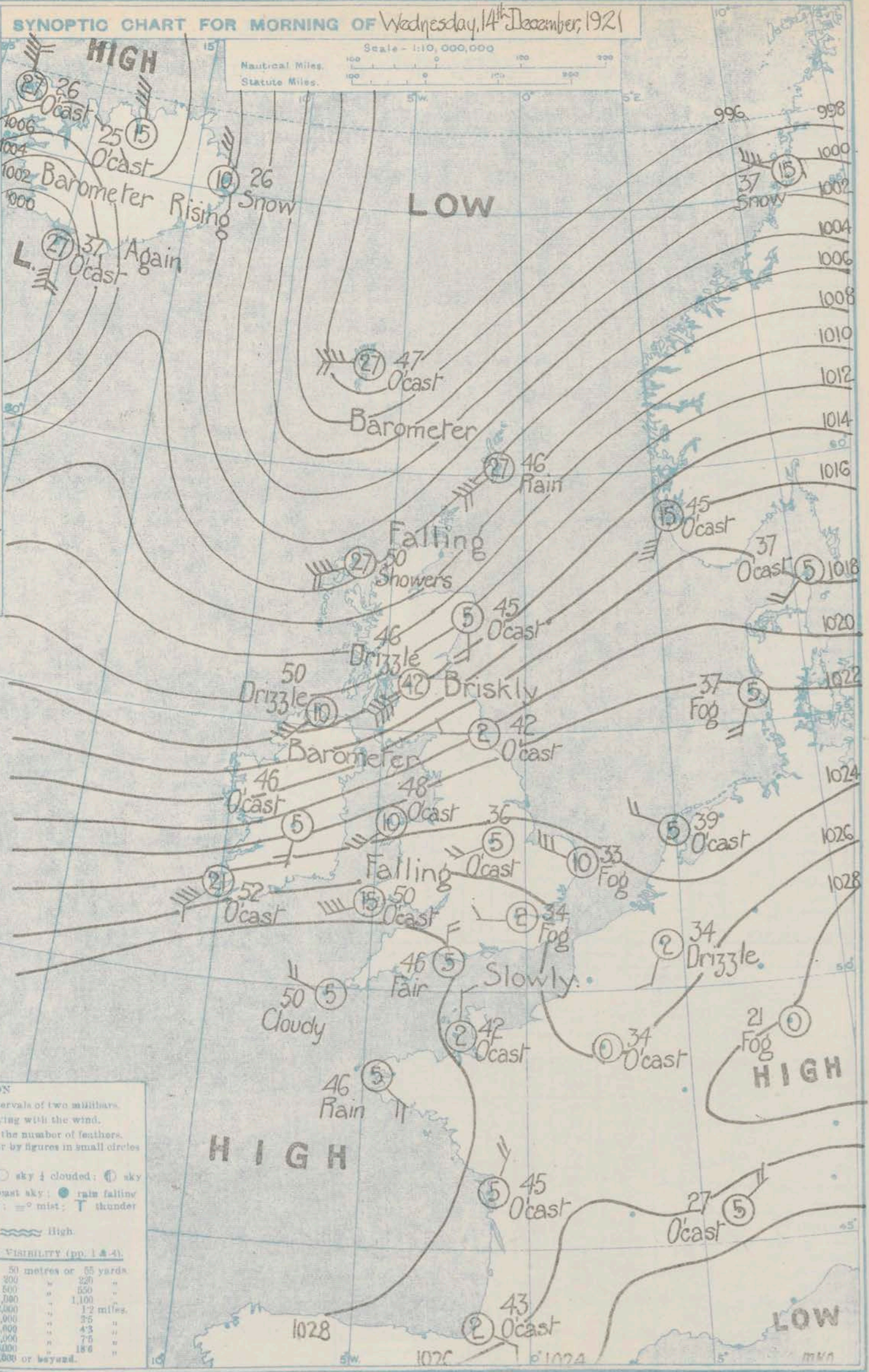
held.

Cave Harland 14.12.21

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. Temperature is shown in miles per hour by figures in small circles. **WEATHER SYMBOLS:** ○ clear sky; ○ sky & clouded; ○ sky & rain; ○ sky & snow; ○ sky & hail; ○ sky & fog; ○ sky & mist; ○ sky & thunder. **TEMPERATURE:** ○ temperature in °F; ○ temperature in °C.

SYNOPTIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4)	
Very poor	Objects not visible at 50 metres or 55 yards
Poor	" " 100 " " 110 "
Fair	" " 200 " " 220 "
Good	" " 400 " " 440 "
Very good	" " 800 " " 880 "
Excellent	" " 1,600 " " 1,760 "
Perfect	" " 3,200 " " 3,520 "
Objects visible at 30,000 or beyond.	" " 33,000 " " 36,300 "



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4.

BRITISH SECTION. Wednesday, 14th December, 1921.

No. 346.

STATIONS.	Observations at 0100 G.M.T. 14 th													Observations at 0700 G.M.T. 14 th												
	Barom. at M.S.L. m.b.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-8	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L. m.b.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-8	Height of Low Cloud. Feet	Cloud.				
			Dir.	Force						Form.	Amt.	Total Amt.			Dir.	Force						Form.	Amt.	Total Amt.		
Lerwick	1012.7	-4	W	6	2-	46	92	7	-	-	0	AST	8	1006.4	-8	SW	6	OT	46	92	6	Nb	10	-	10	
Stornoway	1015.5	-3	WSW	6	+	44	92	4	-	-	-	-	-	1006.7	-9	WSW	6	bct	50	92	5	4000	Nb	6	-	6
Wick	1015.7	-5	SW	2	0	44	92	8	5750	St. Cu	10	-	10	1006.7	-8	SSW	5	OT	47	92	8	5750	Cu	9	-	8
Castlebay														1008.2	-7	WNW	4	OT	49	97	7	1500	St	8	-	6
Nairn														1007.5	-5	WSW	4	bct	48	75	8	4000	Cu. Nb	6	-	10
Aberdeen														1012.8	-9	S	2	OT	45	92	6	2500	Nb	10	-	10
Malin Head	1022.7	-5	W	3	0+	47	97	8	4000	Cu. Nb	10	-	10	1013.3	-7	SW	3	od	50	97	7	4000	Nb	10	-	10
Renfrew														1015.1	-9	SW	8	cd	46	92	6	2500	St. Cu	8	-	9
Inchkeith	1021.7	-6	WSW	4	0+	45	85	8	-	St	2	C. St	9	1014.2	-6	WSW	5	OT	46	85	9	-	St. Cu	9	-	10
Eskdalemuir														1018.1	-6	SW	5	0	43	92	7	1500	St. Cu	10	-	10
Tynemouth	1021.6	-4	W	2	-	41	85	6	-	-	0	AST	8	1020.6	-4	W	1	0	42	85	6	-	-	0	AST	10
Blacksod Point														1019.2	-5	SW	2	OT	46	92	8	4000	St	10	-	10
Donaghadee														1021.1	-5	SSW	2	OT	46	92	6	2500	Nb	9	-	10
Birr Castle														1021.0	-4	SSW	5	OT	45	85	7	1500	St	10	-	9
Baldonnell	1029.1	-5	SSW	3	0+	43	92	7	-	St	0	A. Cu	9	1021.3	-4	SW	3	OT	48	92	8	1500	St	9	-	9
Holyhead	1029.3	-3	W	2	0+	42	85	8	1500	St	0	AST	10	1022.9	-4	SW	2	OT	43	85	7	1500	St	9	-	10
Liverpool (Bidston)														1022.4	-4	SW	1	OT	39	92	5	1500	St	10	-	10
Chester (Shotwick)																										
Howden														1023.1	-6	SW	2	mb	37	92	5	1500	St	4	Cu	6
Spurn Head	1029.0	+1	NW	3	bc	40	92	4	7150	St	3	AST	6.3	1024.9	-3	WSW	2	OT	36	97	3	-	-	0	AST	10
Nottingham														1024.9	-3	WSW	3	ff	35	97	2	225	St	10	-	10
Cranwell	1029.0	0	SW	3	b	33	97	3	-	-	0	C. St	3	1024.9	-3	WNW	3	ff	33	97	2	-	-	0	AST	10
Gorleston	1027.0	+1	NW	3	ff	38	97	2	-	-	0	C	5	1025.7	0	W	3	FF	32	97	0	450	St	10	-	10
Fulham														1026.3	-2	WNW	2	ff	35	97	3	-	-	0	AST	10
Felixstowe														1024.2	-2	SW	5	OT	52	85	3	2500	St. Cu	8	AST	10
Valencia (Cahirciveen)	1031.0	-7	SW	3	bc	49	85	6	-	St. Cu	6	-	6	1026.4	-6	WSW	3	0	48	92	4	1500	St	10	-	10
Roches Point														1026.5	-3	WSW	4	0	50	75	9	4000	Cu	10	-	7
Pembroke St. Ann's H.	1031.3	-1	N	1	0	46	85	8	-	-	0	AST	10	1024.6	-3	WSW	1	OT	33	97	6	-	-	0	Cu	10
Boss-on-Wye														1027.1	0	-	0	ff	36	92	3	-	St	10	-	10
Benson														1027.5	-1	W	1	ff	30	97	2	225	St	10	-	10
S. Farnborough														1027.6	-1	W	1	FF	34	97	1	4150	St	10	-	10
London (Kew Obsy.)														1027.4	0	SW	3	FF	31	97	1	4150	St	10	-	10
Croydon	1029.5	+1	-	0	ff	33	97	3	-	-	0	-	0	1025.8	-3	NW	3	OT	34	92	6	-	-	0	AST	10
Clacton-on-Sea														1026.5	0	NW	1	ff	34	85	2	-	-	0	AST	10
Shoeburyness														1026.9	-1	WNW	2	FF	33	97	0	4150	St	10	-	10
Grain														1024.6	-1	N	2	ff	35	97	2	4000	St. Cu	10	-	10
Lymington	1028.1	+1	N/E	3	bc	38	92	6	-	-	0	C. St	4	1029.2	+4	WNW	2	C	50	85	9	4000	St. Cu	8	-	8
Scilly (St. Mary's)	1031.2	0	NW	2	C	49	85	9	4000	St. Cu	8	-	8	1029.4	-3	SW	2	C+	45	85	8	4000	Cu	7	-	7
Falmouth (Pendennis)	1031.9	-1	-	0	C+	44	85	8	4000	Cu	7	-	7	1028.6	0	-	0	C	39	97	8	4000	St. Cu	8	-	8
Plymouth														1028.0	-3	N	2	bc	46	85	8	-	-	0	AST	10
Portland Bill	1030.9	+1	N	3	b+	47	85	8	-	-	0	C. St	2	1028.4	0	WNW	2	OT	36	97	2	4150	St	10	-	10
Calshot	1030.1	0	NW	2	mb	39	97	6	-	-	0	C	1	1025.8	-2	N	2	bc	35	97	5	-	-	0	AST	10
Dungeness	1027.8	+1	N	2	b+	36	97	5	-	-	0	C. Cu	3	1027.6	0	N	1	0	42	85	7	1500	St	10	-	10
Jersey 7th	1030.2	0	N	3	0	48	75	7	5750	Cu	3	AST	9													
Gourmsey 1th																										

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 13th December, 1921.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL†		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL†		Sunrise to Sunset. hr.	Sunset to Sunrise. hr.
	Fore-noon.	After-noon.	Max. Day °F.	Min. Night °F.	Night 12h-6h. in. & c.	Day 6h-12h. in. & c.	Sunrise to Sunset. hr.	Sunset to Sunrise. hr.		Fore-noon.	After-noon.	Max. Day °F.	Min. Night °F.	Night 12h-6h. in. & c.	Day 6h-12h. in. & c.		
Banff ...	b	b. bc	44	39	-	-	5.0	-	Paignton ...	b. bc	b. bc	52	34	1	-	6.1	5.2
Montrose ...	c	* bc	44	38	-	-	5.4	-	Ilfracombe ...	b	bc. b	50	44	4	-	6.0	6.0
Llandudno ...	bc. c	c. bc	50	46	2	-	1.5	-	Bude ...	b	b	52	44	4	-	5.9	6.4
Golwyn Bay ...	c. bc	bc	48	45	2	-	1.0	-	Penzance ...	bc	bc	53	48	2	-	6.4	6.2
Rhyl ...	bc	bc. c	44	41	1	-	3.5	-	Torquay ...	b	b	50	45	2	-	6.2	6.1
Southport ...	b	b	46	41	1	-	5.4	-	Weymouth ...	b	b	50	39	4	-	-	-
Blackpool ...	c	bc. b	44	43	2	-	4.9	-	Bournemouth ...	b	b	48	36	4	-	6.1	4.6
Harrogate ...	b	b	46	36	0.3	-	6.2	-	Portsmouth (S. theca) ...	b	b	48	39	2	-	6.4	6.4
Skegness ...	b	b. bc. b	45	39	2	-	5.0	-	Worthing ...	b. bc	bc. b	46	40	2	-	0.3	0.3
Aberystwyth ...	c. c. c	c. c. c	48	43	5	-	3.2	-	Brighton ...	c. c	c. c	44	39	2	-	0.3	0.3
Bath ...	b	b. bc	42	35	2	-	4.9	-	Eastbourne ...	bc	c. bc	46	40	4	-	-	-
Leamington Spa ...	bc	c. c	45	34	4	-	0.0	-	Hastings ...	c. d. c	c. bc. b	45	43	2	1	0.0	0.0
Lowestoft ...	overcast	c. bc. b	46	40	3	0.3	1.1	-	Folkestone ...	c. d. c	c. d. c	45	42	3	4	1.2	1.2
Felixstowe ...	cf. r	bc. m	45	36	2	1	1.0	-	Tunbridge Wells ...	c	c. bc	44	34	3	-	0.0	0.0
Southend ...	mar. bc	bc. b	46	39	4	2	1.0	-	Ramsgate ...	or	or	45	40	1	4	0.0	0.0
									Margate ...	fr	c	45	41	-	2	0.0	0.0
									Deal ...		c. c	44	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.

Page 1.

TEMPERATURE	
	Min. ° F.
5	36
3	34
0	39
1	41
8	21
0	44
9	50
5	48
9	45
3	48
4	48

Rain begin	
0730	
-	
-	
-	
2230	
1330	
0230	

Tulouse	
Te. ° F.	Vel. m.p.h.
700	15
15	18
15	18
92	13
92	13

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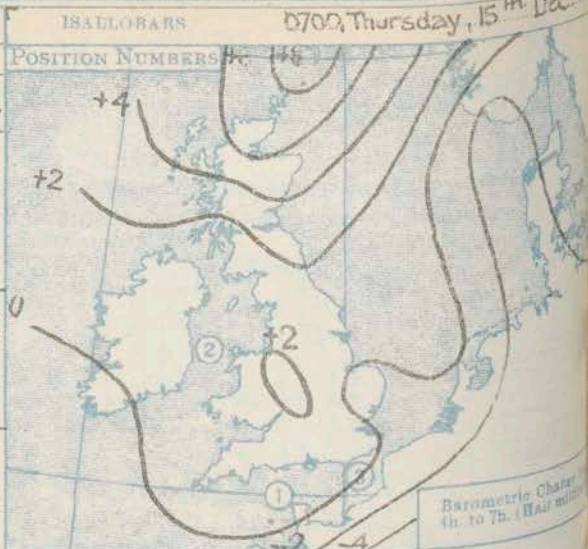
4 For code, see page 3

SUMMARIES FOR THE PAST 24 HOURS.

ISALLOBARS

0700, Thursday, 15th Dec.

STATIONS.	WEATHER.				TEMPERATURE.			RAINFALL.				SUN.
	7h-13h.	13h-18h.	18h-14h.	14h-7h.	MAX. Day.	MIN. Night.	MIN. on GRASS.	Day. 7h-13h.	Night. 13h-7h.	Precipitation began.	Precipitation ended.	
Lerwick	T.d	T.d	oo	oo	47	34	.	5	1	11.00	22.00	.
Stornoway	c	p	r.d	p	50	38	.	0.6	1	-	-	1.0
Wick	c	c	oo	o.cq/p	49	41	.	-	1	-	02.30	.
Castlebay	op	op.c	c.op.c	op.c	51	46	.	2	3	-	-	0.0
Nairn	c	c	c	c	49	42	.	0.6	-	4.00	-	0.5
Aberdeen	c.c.bim	bc.cm	bc.cm	bc.cm	48	41	31	-	0.1	-	06.30	0.0
Malin Head	T	op	c	ir	51	47	.	4	3	<0800	24.00	0.2
Renfrew	oirm	o.c.bim	op	oirm	49	43	34	1	trace	<0800	22.00	0.0
Inchkeith	oo	T.d	bc	oo	49	42	39	0.4	trace	-	-	.
Edinburgh	ir	oirm	c.bc.c	o	46	39	32	Y	-	<0800	-	0.0
Tynemouth	mmp	m r	oirm	imp	49	43	.	0.2	0.1	<0800	06.30	.
Blackrod Point												.
Donaghadee	cm	cir	cm	cm	50	45	.	1	1	<0800	22.00	.
Birr Castle	cpt	ir.c	cm	cir	52	43	39	5	0.5	11.00	06.30	0.0
Baldonnell	oirm	o.c	b.oim	oirm	50	41	36	1	1	<0800	05.30	0.1
Holyhead	oirm	o.c	c.o	o.r	51	48	44	3	0.5	<0800	-	0.0
Liverpool (Bidston)	oo	T.d	c	c	50	43	34	3	0.4	15.30	06.30	0.0
Chester (Shotwick)	oo	oprid	ORRM		52	46	.	4	5	12.30	22.00	.
Howden												.
Spurn Head	oo	oo	f.m	form	45	37	.	0.2	0.3	14.30	22.00	0.0
Nottingham	oom	om	ir	oom	45	43	37	26	3	11.00	22.00	0.0
Cranwell	oid	ir	T.d	id	44	43	41	0.3	2	13.05	22.00	0.1
Gorleston	F	o.r	T.d	form	39	38	37	0.3	2	16.30	22.00	0.0
Pulham	f.m	o.r	o	o	38	38	31	0.2	1	15.30	22.00	0.0
Felixstowe	F	f.m	oirm	ORRM	40	40	38	-	2	-	24.00	0.0
Valencia (Cahirciveen)	o.r	o.c	P	c.oir	53	49	48	1	0.3	<0800	03.30	0.0
Roches Point	p	p	b.o	c	54	47	.	0.5	-	11.00	-	.
Pembroke (St. Ann's H.)	o.r	o.r	c	c	52	48	.	2	-	09.00	-	0.0
Ross-on-Wye	omid	oid	r.o.c	oid	44	43	35	1	2	11.00	22.00	0.0
Benson	ir	T.d	rr	o.r	44	43	39	0.1	4	14.30	22.00	.
S. Farnborough	F	ir	T.d	o	45	44	42	0.1	5	15.30	22.00	0.0
London (Kew Obs.)	f.m	o.c	o.c	o	45	44	43	0.1	5	16.30	22.00	0.0
Croydon	o.c	f.m	o.c	o.c	42	42	41	0.1	6	16.30	22.00	0.1
Olacton-on-Sea	c.m	f.c	o.c	o.c	41	41	39	-	3	-	24.00	0.0
Shoeburyness	f.m	T.d	T.d	o	47	40	40	0.1	6	14.30	22.00	0.0
Grain	F	c	rr	ir	42	41	39	-	8	-	22.00	0.0
Lympne	c.f	f.m	o.c	o.c	40	40	39	had	8	-	22.00	0.3
Scilly (St. Mary's)	p	o.r	p	p	52	48	.	1	2	04.00	22.00	0.4
Falmouth (Pendennis)	c.bim	o.c	o.c	o.c	52	48	.	1.1	4	13.30	01.30	2.1
Plymouth	f.m	T.d	oo	oo	51	47	42	trace	3	13.30	22.00	0.2
Portland Bill	oo	T.d	c	c	53	46	.	0.4	2	16.30	22.00	.
Calshot	f.m	T.d	T.d	oo	49	44	43	trace	3	-	-	0.0
Dungeness	f.f	c	T.d	ir	47	45	.	-	6	-	22.00	.
Jersey	o.c	o.c	T.d	o.c	51	48	.	0.1	4	16.30	22.00	1.8



Observations from Cross Channel Steamers.							
Position.	Date and Time.	Steamship.	Wind.		Weather.	Temp.	
			Dirac.	Force.		Air.	Sea.
3	14 th 0300	Dieppe	N	2	bct	44	51
2	14 th ?		SW	6	oc.	50	54

GENERAL INFERENCE.

The depression over the North Sea and France will move Eastward and be followed by a high pressure ridge over these Islands, with a temporary improvement in the weather.

Districts.	Forecasts for the 24 hours commencing 15h G.M.T. Thursday December 15th 1921.
1. S.E. England	Wind between W. and N., light or moderate; much cloud, some showers, then becoming fairer; temperature falling; visibility indifferent to fair.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Wind Northwest or North, moderate, backing later; much cloud, showers in various localities, then fairer; temperature falling; visibility mainly fair.
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	

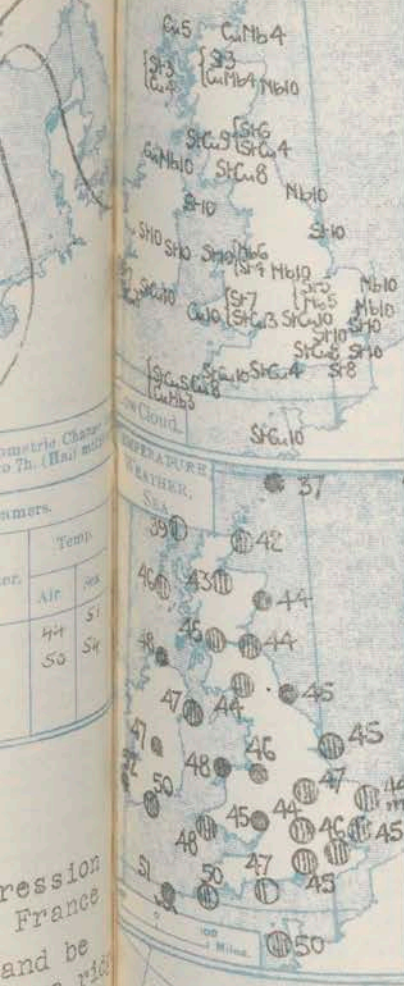
Further Outlook

Withheld.

SYNOPTIC CHART FOR MORNING OF Thursday, 15th December, 1921.

Scale - 1:10,000,000

Nautical Miles
Statute Miles.



pression
France
and be
sure rid
h a temp
e weather

Outlook

held.

HIGH

23 HIGH

LOW

HIGH

EXPLANATION

Isobars are drawn for intervals of two millibars.

Direction of wind is shown by arrows flying with the wind.

Force of wind in the scale 0-12, is indicated by the number of feathers.

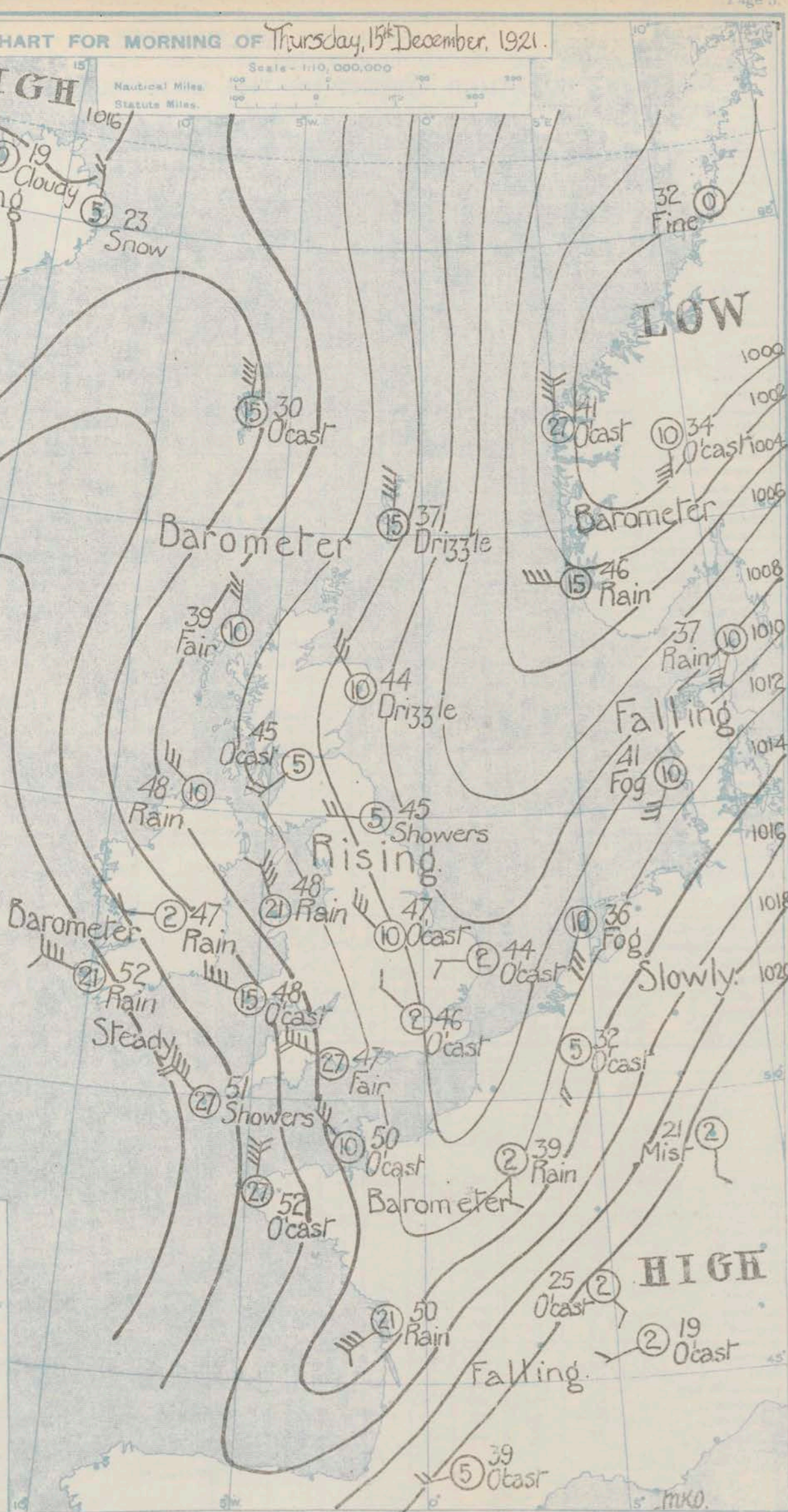
Temperature is shown in fahrenheit by figures in small circles.

Pressure is given in °F.

WEATHER SYMBOLS: ○ clear sky; ○ sky 1/4 clouded; ○ sky 1/2 clouded; ○ sky 3/4 clouded; ○ overcast sky; ● rain falling; ▲ hail; = fog; = mist; T thunder.

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

Code	Visibility
0	Less than 1/4 mile
1	1/4 mile
2	1/2 mile
3	3/4 mile
4	1 mile
5	1 1/2 miles
6	2 miles
7	3 miles
8	4 miles
9	5 miles
10	6 miles
11	7 miles
12	8 miles
13	9 miles
14	10 miles
15	11 miles
16	12 miles
17	13 miles
18	14 miles
19	15 miles
20	16 miles
21	17 miles
22	18 miles
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40	36 miles
41	37 miles
42	38 miles
43	39 miles
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45	41 miles
46	42 miles
47	43 miles
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71	67 miles
72	68 miles
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74	70 miles
75	71 miles
76	72 miles
77	73 miles
78	74 miles
79	75 miles
80	76 miles
81	77 miles
82	78 miles
83	79 miles
84	80 miles
85	81 miles
86	82 miles
87	83 miles
88	84 miles
89	85 miles
90	86 miles
91	87 miles
92	88 miles
93	89 miles
94	90 miles
95	91 miles
96	92 miles
97	93 miles
98	94 miles
99	95 miles



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4.

BRITISH SECTION. THURSDAY, 15th DECEMBER, 1921.

No. 349.

STATIONS.	Observations at 0100 G.M.T. 15 th														Observations at 0700 G.M.T. 15 th															
	Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-8	Height of Low Cloud. Feet	Cloud.			Sea.	Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-8	Height of Low Cloud. Feet	Cloud.							
			Direc.	Force						Form.	Amt.	Total Amt.				Direc.	Force						Form.	Amt.	Total Amt.					
																										0-10	0-10	0-10	0-10	0-10
Lerwick	1005.4	+4	NNE	5	o.c.	42	85	5	7250	Nb	10	-	10	1010.8	+9	N	4	o.c.	37	85	6	7250	Nb	10	-	10				
Stornoway	1009.8	+2	NW	4	o.c.	42	85	4	800	SV	10	-	10	1013.2	+5	N	3	bc	39	92	6	4000	Cu	5	-	10				
Wick	1005.1	0	NW	3	o	45	97	8	800	SV	10	-	10	1010.5	+7	N	4	c/r	42	92	9	2500	CuNB	4	-	10				
Castlebay														1013.7	+3	NNW	3	c/r	46	92	7	1500	Cu	7	-	10				
Nairn														1011.8		W	3	c	43	85	8	1500	CuNB	7	-	10				
Aberdeen														1009.9	+5	NW	3	o.c.	44	97	6	1500	Nb	10	-	10				
Malin Head	1012.1	+1	NW	3	c	48	97	8	4000	CuNB	7	-	7	1013.2	+1	NW	3	o.c.	48	97	8	4000	CuNB	10	-	10				
Renfrew														1011.0	+1	SW	2	o	45	92	7	1500	SV	9	-	10				
Inchkeith	1009.2	+4	WSW	3	mb	43	92	6	-	-	0	ASV	2	1010.0	+3	WSW	3	o	44	92	7	-	SV	10	-	10				
Edinburgh														1010.6	+1	WNW	4	o	44	85	7	2500	SV	8	aga	10				
Tynemouth	1009.4	+1	-	0	bc	46	85	7	-	-	0	ASV	4	1009.6	+2	W	2	o.c.	45	85	7	4000	Nb	10	-	10				
Blacksod Point														1013.4	+1	W	2	o.c.	47	92	8	2500	SV	10	-	10				
Donaghadee														1017.1		W	1	o.c.	47	97	6	450	SV	10	-	10				
Birr Castle														1015.8	0	WSW	3	o.c.	45	97	7	1500	SV	10	-	10				
Baldonnell	1016.4	+3	WSW	3	o.c.	43	92	7	2500	SV	6	ASV	10	1015.8	0	WSW	3	o.c.	45	97	7	1500	SV	10	-	10				
Holyhead	1012.4	+1	NW	6	o.c.	43	92	8	2500	SV	10	-	10	1013.8	+1	NNW	5	o.c.	48	97	8	1500	SV	10	-	10				
Liverpool (Bidston)														1012.0	+1	WNW	4	o.c.	46	97	6	800	Nb	10	-	10				
Chester (Shotwick)														1011.6	+2	WNW	5	o.c.	46	97	4	1500	Nb	10	-	10				
Howden																										10				
Spurn Head	1008.2	-2	SW	2	o	45	92	4	4000	SV	10	-	10	1009.0	+1	WNW	3	o	45	92	5	450	SV	10	-	10				
Nottingham														1010.6		NW	3	o	47	85	5	2500	Nb	10	-	10				
Cranwell	1009.9	-2	WS	3	o	44	97	4	800	SV	10	-	10	1010.2	+1	WNW	3	o.c.	44	97	6	1500	Nb	10	-	10				
Gorleston	1011.3	-3	SW	4	o	43	97	8	4000	Nb	10	-	10	1009.8	-2	W	1	mo	44	97	6	4000	Nb	10	-	10				
Pulham														1009.3	-1	WN	1	o	44	97	3	1500	SV	10	-	10				
Felixstowe														1011.1	0	WNW	2	o.c.	44	97	7	1500	SV	10	-	10				
Valencia (Cahiroiveen)	1021.5	+2	NW	4	c/r	51	85	4	-	CuNB	8	-	8	1020.7	0	WNW	5	o.c.	52	92	5	800	SV	10	-	10				
Roche's Point														1018.9	0	NW	3	o	50	92	8	2500	SV	10	-	10				
Pembroke (St. Ann's H.)	1015.9	+1	NW	4	c/r	48	92	8	4000	SV	8	-	8	1016.3	+1	WNW	4	o.c.	48	92	9	4000	Cu	10	-	10				
Ross-on-Wye														1012.6	+1	WN	2	o.c.	45	85	9	2500	SV	10	-	10				
Benson														1011.2	+2	WNW	2	o.c.	44	85	7	-	SV	10	-	10				
S. Farnborough														1011.2	0	WN	3	o.c.	45	92	7	4000	SV	10	-	10				
London (Kew Obsy.)														1010.8	0	NW	1	o.c.	40	85	6	2500	SV	10	-	10				
Croydon	1011.2	+2	SSW	3	o.c.	46	97	6	1500	SV	6	ASV	10	1011.1	0	WN	3	o	44	92	5	800	SV	10	-	10				
Clanton-on-Sea														1009.1	0	W	2	o.c.	45	92	5	2500	Nb	10	-	10				
Shoeburyness														1010.8	-1	NW	1	o.c.	45	85	6	800	SV	10	-	10				
Grain														1010.6	0	NW	1	o.c.	44	97	6	2500	SV	10	-	10				
Lympne	1010.9	-6	W	3	o.c.	46	97	6	800	Nb	10	-	10	1009.7	+2	NW	4	o	44	97	4	800	SV	10	-	10				
Seilly (St. Mary's)	1018.1	0	N	5	c	51	85	8	4000	SV	8	-	8	1018.6	0	NW	6	c/r	51	92	8	4000	SV	8	-	10				
Falmouth (Pendennis)	1016.0	0	NW	4	o.c.	49	75	5	4000	Cu	9	-	9	1016.0	+2	NW	3	c/r	50	75	5	4000	Cu	8	-	10				
Plymouth														1015.2	0	NW	1	o	48	85	8	2500	SV	10	-	10				
Portland Bill	1012.3	-1	NNW	7	b	48	85	8	-	-	0	-	0	1012.3	0	WNW	6	b.c.	47	85	8	5750	SV	4	-	10				
Calshot	1011.6	-1	WNW	3	o.c.	47	92	8	4000	SV	10	-	10	1012.2	+1	WNW	3	o.c.	45	92	8	4000	SV	10	-	10				
Dungeness	1010.8	-5	SW	5	c/r	48	97	7	4000	Nb	7	-	7	1009.4	+1	N	4	o.c.	47	97	8	4000	SV	10	-	10				
Jersey Th.	1013.9	-4	WNW	5	b.c.	50	92	9	5750	CuNB	4	-	4	1012.3	0	NW	3	o.c.	50	75	8	4000	SV	10	-	10				
Guernsey Ih.																										10				

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B.21,939

FRIDAY, 16th December, 1921.

Page 1.

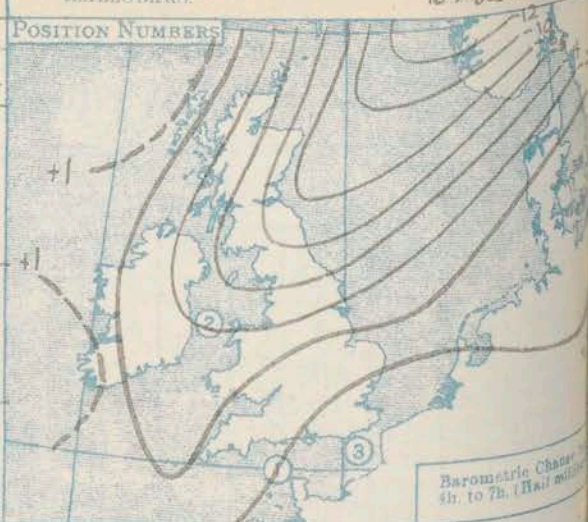
STATIONS.	Observations at 1800 G.M.T. 15 th														Observations at 1800 G.M.T. 15 th																								
	Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp.	Humidity.	Visibility.	Height of Low Cloud.	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp.	Humidity.	Visibility.	Height of Low Cloud.	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp.	Humidity.	Visibility.	Height of Low Cloud.						
			Direc.	Force.						Form.	Amt.	Total Amt.			Direc.	Force.						Form.	Amt.	Total Amt.															
																											0-10	10-20						20-30	0-10	10-20	20-30		
15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	18.0	18.1	18.2	18.3	18.4	18.5				
Lerwick	1014.2	+2	N	4	o	36	75	7	-	Sc	10	-	10	1014.2	+2	N	4	o	36	75	7	-	Sc	10	-	10	1014.2	+2	N	4	o	36	75	7	-	Sc	10	-	10
Bornoway	1017.1	+3	MMW	1	bc	42	85	6	4000	Cu	3	Ac	4	1017.1	+3	MMW	1	bc	42	85	6	4000	Cu	3	Ac	4	1017.1	+3	MMW	1	bc	42	85	6	4000	Cu	3	Ac	4
Wick	1015.5	+4	MMW	2	o	40	75	8	4000	Cu	10	-	10	1015.5	+4	MMW	2	o	40	75	8	4000	Cu	10	-	10	1015.5	+4	MMW	2	o	40	75	8	4000	Cu	10	-	10
Cardigan	1017.8	+1	N	2	c	47	85	7	1500	Cu	7	-	7	1017.8	+1	N	2	c	47	85	7	1500	Cu	7	-	7	1017.8	+1	N	2	c	47	85	7	1500	Cu	7	-	7
Xairn	1015.2	+4	NW	3	bc	41	85	8	2500	Cu	6	-	6	1015.2	+4	NW	3	bc	41	85	8	2500	Cu	6	-	6	1015.2	+4	NW	3	bc	41	85	8	2500	Cu	6	-	6
Aberdeen	1016.5	o	MMW	2	bc	49	92	8	4000	Cu	8	-	8	1016.5	o	MMW	2	bc	49	92	8	4000	Cu	8	-	8	1016.5	o	MMW	2	bc	49	92	8	4000	Cu	8	-	8
Malin Head	1015.6	+4	MMW	2	bc	49	85	8	4000	Cu	4	-	4	1015.6	+4	MMW	2	bc	49	85	8	4000	Cu	4	-	4	1015.6	+4	MMW	2	bc	49	85	8	4000	Cu	4	-	4
Renfrew	1015.2	+5	N	2	bc	45	75	9	-	Sc	4	Ac	5	1015.2	+5	N	2	bc	45	75	9	-	Sc	4	Ac	5	1015.2	+5	N	2	bc	45	75	9	-	Sc	4	Ac	5
Blackheath	1014.9	+4	N	3	c	44	85	8	2500	Sc	8	-	8	1014.9	+4	N	3	c	44	85	8	2500	Sc	8	-	8	1014.9	+4	N	3	c	44	85	8	2500	Sc	8	-	8
Tynemouth	1011.8	+3	N	4	c/r	46	85	8	2500	Sc	6	Ac	8	1011.8	+3	N	4	c/r	46	85	8	2500	Sc	6	Ac	8	1011.8	+3	N	4	c/r	46	85	8	2500	Sc	6	Ac	8
Blackhead Point	1016.7	+2	MNE	3	c	50	85	8	4000	Cu	7	-	7	1016.7	+2	MNE	3	c	50	85	8	4000	Cu	7	-	7	1016.7	+2	MNE	3	c	50	85	8	4000	Cu	7	-	7
Donaghadee	1019.4	o	NW	1	c	50	97	6	4000	Cu	7	-	7	1019.4	o	NW	1	c	50	97	6	4000	Cu	7	-	7	1019.4	o	NW	1	c	50	97	6	4000	Cu	7	-	7
Birr Castle	1018.3	+1	MMW	3	o	49	85	8	1500	Sc	9	-	9	1018.3	+1	MMW	3	o	49	85	8	1500	Sc	9	-	9	1018.3	+1	MMW	3	o	49	85	8	1500	Sc	9	-	9
Baldonwell	1015.7	+2	MMW	5	bc	50	92	8	1500	Cu	5	Ac	6	1015.7	+2	MMW	5	bc	50	92	8	1500	Cu	5	Ac	6	1015.7	+2	MMW	5	bc	50	92	8	1500	Cu	5	Ac	6
Highhead	1014.3	+2	MMW	2	b	47	85	8	4000	Sc	1	Ac	2	1014.3	+2	MMW	2	b	47	85	8	4000	Sc	1	Ac	2	1014.3	+2	MMW	2	b	47	85	8	4000	Sc	1	Ac	2
Liverpool (Bidston)	1013.4	+2	NW	4	bc	48	85	9	2500	Sc	5	-	5	1013.4	+2	NW	4	bc	48	85	9	2500	Sc	5	-	5	1013.4	+2	NW	4	bc	48	85	9	2500	Sc	5	-	5
Chester (Shotwick)	1010.9	+1	MMW	4	c	46	92	5	1500	Sc	3	Ac	7	1010.9	+1	MMW	4	c	46	92	5	1500	Sc	3	Ac	7	1010.9	+1	MMW	4	c	46	92	5	1500	Sc	3	Ac	7
Nottingham	1012.5	o	N	2	o	49	85	5	1500	Sc	7	Ac	9	1012.5	o	N	2	o	49	85	5	1500	Sc	7	Ac	9	1012.5	o	N	2	o	49	85	5	1500	Sc	7	Ac	9
Derby	1012.7	+1	MMW	4	o	46	92	6	1500	Sc	9	-	9	1012.7	+1	MMW	4	o	46	92	6	1500	Sc	9	-	9	1012.7	+1	MMW	4	o	46	92	6	1500	Sc	9	-	9
Leicester	1010.6	+1	MMW	3	mo	45	97	5	4000	Sc	10	-	10	1010.6	+1	MMW	3	mo	45	97	5	4000	Sc	10	-	10	1010.6	+1	MMW	3	mo	45	97	5	4000	Sc	10	-	10
Palmerston	1010.9	+1	MMW	2	o/r	45	97	4	2500	Sc	10	-	10	1010.9	+1	MMW	2	o/r	45	97	4	2500	Sc	10	-	10	1010.9	+1	MMW	2	o/r	45	97	4	2500	Sc	10	-	10
Palmerston	1012.5	o	NW	2	o/r	45	97	5	2500	Sc	10	-	10	1012.5	o	NW	2	o/r	45	97	5	2500	Sc	10	-	10	1012.5	o	NW	2	o/r	45	97	5	2500	Sc	10	-	10
Valencia (Cahiretreen)	1022.4	+3	NW	5	o	53	92	7	800	Sc	10	-	10	1022.4	+3	NW	5	o	53	92	7	800	Sc	10	-	10	1022.4	+3	NW	5	o	53	92	7	800	Sc	10	-	10
Rosbea Point	1019.7	+1	NW	4	c	54	85	8	2500	Cu	6	Ac	8	1019.7	+1	NW	4	c	54	85	8	2500	Cu	6	Ac	8	1019.7	+1	NW	4	c	54	85	8	2500	Cu	6	Ac	8
Pembroke (St. Ann's H.)	1017.0	o	NW	4	o/r	50	92	8	1500	Sc	6	Ac	9	1017.0	o	NW	4	o/r	50	92	8	1500	Sc	6	Ac	9	1017.0	o	NW	4	o/r	50	92	8	1500	Sc	6	Ac	9
Ros-on-Wye	1014.0	+1	MNE	3	od	47	85	8	2500	Sc	9	-	9	1014.0	+1	MNE	3	od	47	85	8	2500	Sc	9	-	9	1014.0	+1	MNE	3	od	47	85	8	2500	Sc	9	-	9
London	1012.5	+1	NW	2	o	47	85	5	1500	Sc	10	-	10	1012.5	+1	NW	2	o	47	85	5	1500	Sc	10	-	10	1012.5	+1	NW	2	o	47	85	5	1500	Sc	10	-	10
St. Farnborough	1012.2	+1	NW	3	o	48	85	7	2500	Sc	10	-	10	1012.2	+1	NW	3	o	48	85	7	2500	Sc	10	-	10	1012.2	+1	NW	3	o	48	85	7	2500	Sc	10	-	10
London (Kew Obs.)	1011.9	o	MMW	1	od	48	85	5	1500	Sc	8	Ac	10	1011.9	o	MMW	1	od	48	85	5	1500	Sc	8	Ac	10	1011.9	o	MMW	1	od	48	85	5	1500	Sc	8	Ac	10
Croydon	1012.3	o	MMW	3	o/r	45	97	3	450	Sc	10	-	10	1012.3	o	MMW	3	o/r	45	97	3	450	Sc	10	-	10	1012.3	o	MMW	3	o/r	45	97	3	450	Sc	10	-	10
Clouston-on-Sea	1011.3	+1	NW	1	o/r	47	85	5	1500	Sc	8	Ac	10	1011.3	+1	NW	1	o/r	47	85	5	1500	Sc	8	Ac	10	1011.3	+1	NW	1	o/r	47	85	5	1500	Sc	8	Ac	10
Shewbury	1011.4	+1	MMW	2	o	46	92	6	800	Sc	10	-	10	1011.4	+1	MMW	2	o	46	92	6	800	Sc	10	-	10	1011.4	+1	MMW	2	o	46	92	6	800	Sc	10	-	10
Lympne	1010.7	o	MMW	4	o	45	92	6	450	Sc	10	-	10	1010.7	o	MMW	4	o	45	92	6	450	Sc	10	-	10	1010.7	o	MMW	4	o	45	92	6	450	Sc	10	-	10
Bally (St. Mary's)	1018.5	-1	NW	6	c/r	53	92	8	4000	Cu	8	-	8	1018.5	-1	NW	6	c/r	53	92	8	4000	Cu	8	-	8	1018.5	-1	NW	6	c/r	53	92	8	4000	Cu	8	-	8
Plymouth (Pendennis)	1017.2	o	MNE	4	o/r	51	85	8	2500	Cu	10	-	10	1017.2	o	MNE	4	o/r	51	85	8	2500	Cu	10	-	10	1017.2	o	MNE	4	o/r	51	85	8	2500	Cu	10	-	10
Portland Bill	1015.5	+1	MMW	3	o/r	51	85	8	2500	Cu	5	-	5	1015.5	+1	MMW	3	o/r	51	85	8	2500	Cu	5	-	5	1015.5	+1	MMW	3	o/r	51	85	8	2500	Cu	5	-	5
Calshot	1012.9	o	NW	3	od	46	97	7	1500	Sc	10	-	10	1012.9	o	NW	3	od	46	97	7	1500	Sc	10	-	10	1012.9	o	NW	3	od	46	97	7	1500	Sc	10	-	10
Dungeness	1010.5	+2	MNE	4	c	47	92	6																															

SUMMARIES FOR THE PAST 24 HOURS.

ISALLOBARS.

16th December

STATIONS.	WEATHER.				TEMPERATURE.			RAINFALL.			SUN.
	7h-13h.	13h-18h.	18h-15h.	15h-7h.	MAX Day 7h-18h.	MIN Night 18h-7h.	MIN on GRASS.	Day 7h-18h mm.	Night 18h-7h mm.	Precipitation began.	
Lerwick	oo	c	c	ford	39	33	.	0.1	8	-	0230
Stornoway	c	barbc	ford	ford	42	35	.	-	5	-	2100
Wick	oo	oo	oo	oo	42	32	.	-	3	-	2400
Castlebay	c.c.c	co	oo	oo	.	.	.	.	.	.	.
Nairn	c	c	c	ford	43	30	.	0.2	0.5	1100	0330
Aberdeen	od.b	c	c	bc.oo	44	33	25	trace	2	40800	0330
Malin Head	barbc	barbc	ford	ford	50	49	.	1	0.5	0900	2400
Renfrew	barbc	omoff	oo	oo	49	33	25	-	0.5	-	0530
Inchkeith	c	barbc	c	oo	46	38	34	-	-	-	.
Baskdalemuir	c	c	bc	bc.oo	45	29	25	-	1	-	0530
Tynemouth	pod	imp	oo	barbc	47	39	.	0.4	2	40800	0430
Blacksod Point	.	.	.	.	.	.	.	.	.	.	.
Donaghadee	cq	bc	c	omd	51	42	.	-	0.3	-	0230
Birr Castle	cr	coid	rra	c.oo	53	47	43	0.5	2	40800	22100
Baldonwell	ford	c	c	oo	48	39	34	0.3	trace	40800	22100
Holyhead	oo	oo	oo	oo	51	43	32	1	0.1	40800	0630
Liverpool (Bidston)	barbc	barbc	c	c	48	41	28	2	-	40800	.
Chester (Shutwick)	ORR	c	c	oo	49	33	.	1	-	40800	.
Howden	.	.	.	.	.	.	.	.	.	.	.
Spurn Head	form	p	p	barbc	47	39	.	0.3	0.1	1630	-
Nottingham	form	cd	c	c	49	34	30	trace	-	1630	-
Cranwell	id	id	c	c	46	33	29	0.1	-	1730	-
Gorleston	omix	omix	oo	c	47	39	36	1	0.1	0900	22100
Pulham	ford	ford	form	oo	45	35	34	0.5	0.1	40800	2200
Felixstowe	form	ford	oo	oo	47	39	37	1	-	1530	-
Valencia (Cahireveen)	odp	odp	form	oo	54	52	52	0.2	2	-	42400
Roches Point	op	c	c	p	55	51	.	0.3	0.4	1100	22100
Pembroke (St. Ann's H.)	ir	oo	oo	p	51	47	.	0.6	-	0900	-
Ross-on-Wye	id	oo	oo	oo	48	35	29	0.1	-	0900	-
Benson	oo	oo	oo	oo	48	28	25	0.3	0.1	40800	22100
S. Farnborough	oo	p	form	oo	49	32	26	trace	-	1530	-
London (New Obs.)	oid	om	om	om	48	39	30	0.2	-	0900	-
Croydon	om	om	om	om	46	37	31	0.1	-	0900	-
Olaeton-on-Sea	om	om	om	om	47	39	36	0.5	-	1630	-
Shoeburyness	ford	ford	ford	oo	47	34	34	0.2	0.1	0900	2400
Grain	oo	ford	oo	oo	46	40	37	0.1	-	1530	-
Lympne	om	om	om	om	46	40	38	0.1	1	0900	22100
Silly (St. Mary's)	o.c.p	c	c	c	54	49	.	0.3	-	40800	-
Falmouth (Penderma)	om	op	op	op	52	47	.	0.5	-	1530	-
Plymouth	p	oo	oo	oo	51	36	33	trace	-	0800	-
Portland Bill	c	c	c	c	53	41	.	-	-	-	-
Calshot	ford	ford	ford	oo	49	35	33	0.1	trace	1230	22100
Dungeness	c	c	c	c	47	42	.	-	-	-	-
Jersey	ocfo	ocfo	o.c	o.c	52	46	.	4	-	0900	-



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind.		Weather.	Temp.	
			Dir.	Force.		Air.	Sea.
3	15th 0300	Brighton	NW	5	O/R	50	51
2	15th 1000	Anglia	WNW	6	OC	50	42

GENERAL INFERENCE.

A depression is moving in Easterly direction from Iceland while pressure is highest over the Bay of Biscay region. Some slight secondary disturbances may cause some rain or showers in various parts of the British Isles accompanied by Westerly breezes and rather mild weather.

Districts.	Forecasts for the 24 hours commencing 15h.G.M.T. Friday 16th December 1921.
1. S.E. England	Wind Westerly, light or moderate; mainly cloudy or overcast; perhaps some rain; visibility indifferent to fair; rather mild.
2. E. England	
3. E. Midlands	
4. W. Midlands	Wind Westerly, light or moderate, stronger in places; much cloud, some rain or showers; visibility fair; rather mild.
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Wind mainly West, moderate to strong or high; much cloud, some rain; visibility indifferent to fair; rather mild.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	Wind between West and Southwest, moderate or fresh; cloudy, some rain or showers; visibility fair; mild.
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

Further Outlook.

Wind mainly West, with rather unsettled, mild weather.

South Conchard
10.00h. 16.12.21

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4.

BRITISH SECTION. FRIDAY, 16th December, 1921.

No. 350

STATIONS.	Observations at 0100 G.M.T. 16 th												Observations at 0700 G.M.T. 16 th													
	Barom. at M.S.L. in h.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. Miles.	Height of Low Cloud. Feet.	Cloud.			Barom. at M.S.L. in h.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. Miles.	Height of Low Cloud. Feet.	Cloud.				
			Direc.	Force						Form.	Amt.	Total Amt.			Direc.	Force						Form.	Amt.	Total Amt.		
																									0-10	10-10
Lerwick ...	1011.8	-8	SSW	3	ot	36	75	7	-	-	0	ast	10	991.9	-8	SSW	6	ot	44	97	5	7250	Nb	10	-	10
Stornoway ...	1011.3	-9	SSW	4	tr	36	75	7	-	-	0	-	10	1002.9	+1	W	8	ot	51	97	5	450	SV	10	-	10
Wick ...	1010.4	-9	SSW	5	ot	39	97	8	800	St	10	-	10	998.8	-5	W	4	ot	53	92	8	5750	SV	3	ast	10
Castlebay ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1009.3	0	W	5	ot	52	97	5	800	SV	10	-	10
Nairn ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1002.4	-	NW	5	ot	54	85	8	4000	SV	7	-	10
Aberdeen ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1004.0	-9	SW	2	ot	46	85	8	4000	SV	10	-	10
Malin Head ...	1016.3	-4	SSW	2	ot	49	97	7	4000	Nb	10	-	10	1013.6	-2	SSW	3	ot	52	97	6	4000	Nb	10	-	10
Benfrew ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1011.2	-6	SW	4	ot	49	92	4	800	Nb	10	-	10
Inchkeith ...	1017.1	-3	WSW	2	ot	40	85	7	-	SV	10	-	10	1008.7	-7	WSW	5	ot	47	92	9	-	St	10	-	10
Eskdalemuir ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1014.3	-3	SSW	4	ot	43	97	4	225	Nb	10	-	10
Tynemouth ...	1019.3	-1	W	2	b	37	85	7	-	-	0	-	0	1012.8	-3	W	1	ot	40	92	6	4000	Nb	8	-	10
Blackhead Point ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Donaghadee ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1015.4	-4	WNW	3	ot	51	92	8	5750	SV	8	-	10
Birr Castle ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1019.1	-1	W	2	ot	53	97	5	450	SV	10	-	10
Baldonell ...	1021.6	+1	SW	2	c	45	97	8	-	-	0	ast	7	1018.7	-3	SW	4	ot	52	92	7	1500	St	10	-	10
Holyhead ...	1020.7	+1	W	2	b	...	...	...	...	-	0	0	1	1018.4	-2	SW	4	ot	50	97	7	800	St	10	-	10
Liverpool (Bidston) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1018.4	-2	SSW	2	ot	44	85	6	1500	Nb	10	-	10
Chester (Shotwick) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1019.5	-2	SSE	2	ot	40	97	4	800	SV	10	-	10
Howden ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Spurn Head ...	1019.1	+3	NW	4	o	42	85	7	4000	SV	9	-	9	1018.0	-1	W	4	ot	40	92	6	1500	St	9	-	10
Nottingham ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1019.6	-1	W	2	ot	36	97	5	1500	Nb	2	ast	10
Cranwell ...	1020.7	+2	NW	3	c	37	97	6	-	-	0	ast	7	1020.2	-1	SW	3	ot	36	92	5	4000	SV	2	ast	10
Gorleston ...	1018.1	+2	N	3	bc	44	92	8	4000	Cu	2	0	6	1019.7	+1	WN	2	ot	39	97	7	7250	SV	7	-	10
Pulham ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1020.0	0	SW	2	ot	36	97	2	450	SV	10	-	10
Felixstowe ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1021.0	+2	W	2	ot	40	97	8	4000	SV	10	-	10
Valencia (Cahirciveen) ...	1024.5	+1	NW	2	For	53	92	0	-	Nb	9	-	9	1023.7	+1	NW	3	ot	54	97	4	450	SV	10	-	10
Roche Point ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1022.8	0	SW	1	c	53	97	8	-	-	0	-	10
Pembroke (St. Ann's H.) ...	1022.5	+2	NNW	1	o	48	92	9	4000	Cu	10	-	10	1022.2	0	WNW	3	ot	50	92	9	4000	SV	10	-	10
Rose-on-Wye ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1021.0	0	WSW	2	ot	39	97	5	-	-	0	-	10
Benson ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1022.2	+2	-	0	ot	31	92	4	-	SV	9	-	10
S. Farnborough ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1022.4	+1	W	1	mm	34	97	5	4000	SV	1	ast	10
London (Kew Obsy.) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1021.8	+1	NNW	1	mm	39	92	4	4000	St	3	ast	10
Croydon ...	1019.9	+5	N	3	o	44	85	6	1500	St	10	-	10	1021.7	+1	W	1	o	37	97	5	-	-	0	-	10
Clacton-on-Sea ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1020.4	+3	NNW	2	c	40	97	6	4000	Cu	8	-	10
Shoeburyness ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1020.9	+1	N	1	ot	41	85	7	4000	Cu	9	-	10
Grain ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1021.5	+2	NW	1	o	41	97	6	2500	SV	10	-	10
Lympne ...	1018.2	+3	N	5	ot	42	97	5	800	Nb	7	ast	10	1020.8	+2	NNW	3	o	41	97	5	1500	St	10	-	10
Scilly (St. Mary's) ...	1021.8	+2	NW	3	o	52	85	8	4000	SV	9	-	9	1023.0	0	WNW	2	o	52	85	8	4000	SV	10	-	10
Falmouth (Pendennis) ...	1022.9	+1	NNE	4	ot	49	75	8	2500	Cu	7	-	7	1025.0	+2	-	0	ot	48	85	8	2500	Cu	10	-	10
Plymouth ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1023.2	+2	-	0	ot	37	97	8	4000	SV	4	-	10
Portland Bill ...	1021.0	+4	N	3	b	45	85	8	-	-	0	0	0	1021.5	+1	NW	3	ot	45	85	8	-	-	0	-	10
Calshot ...	1020.6	+3	NNW	2	b/r	44	85	8	-	-	0	ast	1	1021.3	+2	NW	1	ot	38	92	8	4000	SV	9	-	10
Dungeness ...	1018.1	+3	NNE	3	ot	45	92	8	-	Cu	10	-	10	1020.5	+2	N	1	c	42	92	8	4000	Cu	8	-	10
Jersey Th. ...	1020.0	+4	NNE	4	ot	50	85	6	5750	SV	10	-	10	1022.9	+1	N	3	b	46	85	8	-	-	0	-	10
Guernsey Th. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		Sunrise to Sunset hr.
	Fore-noon.	After-noon.	Max. Day of.	Min. Night of.	Night 12h-15h. in.	Day 15h-18h. in.	Sunrise to Sunset hr.	Fore-noon.		After-noon.	Max. Day of.	Min. Night of.	Night 12h-15h. in.	Day 15h-18h. in.		
Banff	cgc	cpc	47	38	-	0.3	0.0	Paignton	oc	ocbc	51	45	1	0.7	0.0	
Montrose	c	bcc	44	38	-	-	2.5	Ilfracombe	op	opbc	50	48	2	0.5	0.1	
Llandudno	pcc	pcc	51	47	4	0.1	0.1	Bude	od	od	52	49	2	-	1.2	
Golwyn Bay	rebc	bcc	49	43	5	-	0.0	Penzance	co	ogc	53	48	3	1	0.0	
Rhyl	rc	c	47	46	3	0.4	0.3	Torquay	o	o	50	45	4	-	0.1	
Southport								Weymouth	oc	cbc	50	46	4	-	0.2	
Blackpool	c	bc	48	45	1	-	3.6	Bournemouth	o	o	49	43	4	-	0.0	
Harrogate	bccop	ocbc	47	43	1	0.3	0.3	Portsmouth (S' thea)	o	o	48	45	13	-	0.0	
Skegness	obc	bcorb	48	42	0.1	0.4	0.8	Worthing	o	o	47	41	8	-	0.0	
Aberystwyth	roo	bco	49	42	1	-	0.4	Brighton	o	o	47	45	13	-	0.0	
Bath	emor	oc	49	42	4	0.3	0.0	Eastbourne								
Leamington Spa	oc	o	48	33	5	-	0.0	Hastings	odo	co	48	44	8	0.2	0.3	
Lowestoft	ofd	omp	47	38	3	1	0.0	Folkestone	ro	ro	48	43	4	-	0.0	
Felixstowe	ofpm	adm	47	38	3	1	0.0	Tunbridge Wells	opo	o	47	40	10	-	0.0	
Southend	mor	o	46	39	6	-	0.0	Ramsgate	o	obc	44	39	5	-	0.0	
								Margate	o	o	46	40	6	-	0.0	
								Deal	mod	o	48	43	3	-	0.0	
								Falmouth	omop	op	52	47	4	0.4	0.5	

* 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.21,940 SATURDAY, 17th December, 1921.

Page 1.

BRITISH SECTION.															No. B.21, 940															SATURDAY, 17 December 1921.															Page 1.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Observations at 1300 G.M.T. 16 th															Observations at 1800 G.M.T. 16 th																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
STATION	Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. 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Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud.			Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. 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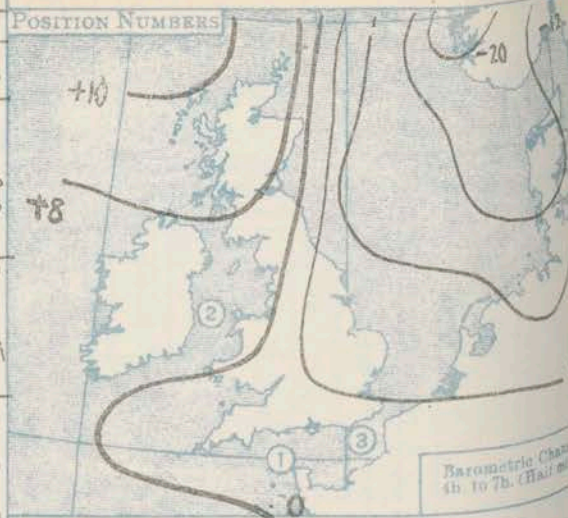
LONDON OBSERVATIONS.				WEATHER.			TEMPERATURE.			RAIN-FALL.		SUN-SHINE.		HUMIDITY.		ATMOSPHERIC POLLUTION.		SOLAR RADIATION.		POLE STAR RECORD at Greenwich Obsy.																																																																																																																															
				Morn- ing.	After- noon.	Night.	Max. op.	Min. op.	Min. on Grass op.	Day.	Night.	to Sunset hrs.	1st. G.M.T. %	2d. G.M.T. %	Lbs. of Solid Impurity per million cubic yards.		Vertical component per square centimetre.		Exposure from																																																																																																																																
				24 HOURS ENDED 0000 G.M.T. 17 th						YESTERDAY.		TO-DAY.		24 Hr. ended 1800 G.M.T. 16 th		During yesterday.		16 th 17 th h. m.																																																																																																																																	
														South Kensington		South Kensington.		16 th 17 th h. m.																																																																																																																																	
Greenwich (Boys) Obsy.)				amid 0.1	0.0	0.0	53	39	43	0.1	0.0	0.0	86	82	Max. Time Min. Time		Total.....joules		Stars. Ex- posure. Record.																																																																																																																																
City (Basil Hall Bow)				0.0	0.0	0.0	53	39	43	0.0	0.0	0.0	85	83	1/2 1/2 1/2 1/2		Average Rate		h. m. h. m. %																																																																																																																																
Westminster (St. James' Pl.)							53	39	38	0.4	0.0	0.0	85	83			.....Milliwatts.		Polaris																																																																																																																																
Regent's Pl. (Botanical Cons.)																			13.45 2.10 16																																																																																																																																
Canal St. (St. Martin's Lane)																			7.00 13.45 1.35 12																																																																																																																																
Parliament Palace				0	0		52	39	42	1	0	0	88	83	Max. Time Min. Time		Maximum Rate		7.00 13.45 1.35 12																																																																																																																																
Hampstead Observatory				0	0		52	37	42	0.3	0	0	85	89	1/5 1/5 1/5 1/5		.....Milliwatts.		Mtuoris																																																																																																																																
							51	37	41	0.3	0	0	89																																																																																																																																						
BADLY DISTURBED.				TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.												BEAUFORT NOTATION OF WEATHER.												THE BEAUFORT SCALE OF WIND IS USED ONLY FOR SURFACE OBSERVATIONS. In the accom- panying table the speed of the wind corresponding with the different numbers, is the speed at about 20 feet above the ground.												SEA DISTURBANCE.												Beau- fort Scale												State in miles per hour.																																																																																			
				17 th and 18 th December 1891																																																																																																																																															
				STATIONS.												Sunrise.												Noon.												Sunset.																																																																																																											
				G.M.T.												G.M.T.												G.M.T.																																																																																																																							
Yarmouth				8.2												11.49												3.36																																																																																																																							
Greenwich				8.3												11.50												3.37																																																																																																																							
Wick				8.4												11.57												3.40																																																																																																																							
Dunwich				9.1												12.3												3.45																																																																																																																							
Dunwich				9.2												12.3												3.46																																																																																																																							
Dunwich				9.47												12.37												3.47																																																																																																																							
Dunwich				9.48												12.38												3.48																																																																																																																							

SUMMARIES FOR THE PAST 24 HOURS.

ISALOBARS

17th December

STATIONS.	WEATHER.				TEMPERATURE.			RAINFALL.				SUN.
	7h-13h.	13h-19h.	19h-16h.	16h-7h.	MAX. Day.	MIN. Night.	MIN. on GRASS.	Day. 7h-13h.	Night. 13h-19h.	Precipitation began.	Precipitation ended.	
Lerwick	P	P	P	P	51	43	.	0.5	7	-	-	0.0
Stornoway	P	P	P	P	53	42	.	-	1	-	0230	0.0
Wick	00	C	P	P	52	38	.	02	Trace	-	-	0.0
Castlebay	0	0	0	0	55	46	.	-	1	-	2200	0.0
Nairn	0	0	0	0	54	45	39	-	-	-	-	0.1
Aberdeen	0	0	0	0	53	51	.	0.1	0.1	1430	0330	0.0
Malin Head	0	0	0	0	54	48	45	0.1	0.5	<0800	<2100	0.1
Benbow	0	0	0	0	52	43	45	-	-	-	-	0.0
Inchkeith	0	0	0	0	51	45	42	2	1	-	2400	0.0
Eskdalemuir	0	0	0	0	54	49	.	-	Trace	-	0230	0.0
Tynemouth	0	0	0	0	54	48	.	-	-	-	-	0.0
Blacksod Point	0	0	0	0	53	50	47	Trace	0.4	1430	0330	0.0
Donaghadee	0	0	0	0	52	49	47	0.5	1	9.0	<2100	0.0
Birr Castle	0	0	0	0	54	40	44	Trace	0.3	<0800	-	0.0
Baldonnel	0	0	0	0	53	44	32	0.2	-	9.0	-	0.0
Holyhead	0	0	0	0	53	44	32	0.2	-	9.0	-	0.0
Liverpool (Bidston)	0	0	0	0	53	44	32	0.2	-	9.0	-	0.0
Chester (Shutwick)	0	0	0	0	53	44	32	0.2	-	9.0	-	0.0
Howden	0	0	0	0	50	38	.	0.2	-	1330	-	0.0
Spurn Head	0	0	0	0	54	48	44	0.2	Trace	9.00	0630	0.0
Nottingham	0	0	0	0	49	47	41	Trace	-	9.0	-	0.0
Cranwell	0	0	0	0	45	44	43	0.4	0.1	11.00	0130	0.0
Gorleston	0	0	0	0	45	45	41	0.5	-	9.0	-	0.0
Fulham	0	0	0	0	44	43	40	0.2	-	11.00	-	0.0
Felixstowe	0	0	0	0	54	52	50	0.3	0.4	<0800	<2100	0.0
Valencia (Cahirciveen)	0	0	0	0	56	49	.	-	Trace	-	-	0.0
Roches Point	0	0	0	0	53	52	.	0.2	-	11.00	-	0.0
Pembroke (St. Ann's H.)	0	0	0	0	47	47	42	0.4	1	9.0	-	0.0
Ross-on-Wye	0	0	0	0	48	47	42	0.4	1	9.0	-	0.0
Benzen	0	0	0	0	47	46	40	Trace	Trace	1430	0130	0.3
S. Farnborough	0	0	0	0	47	47	45	0.2	-	11.00	-	0.0
London (Kew Obs.)	0	0	0	0	47	47	45	0.2	-	11.00	-	0.0
Croydon	0	0	0	0	47	47	45	0.2	-	11.00	-	0.0
Glaston-on-Sea	0	0	0	0	50	45	43	0.5	0.2	<0800	<2100	0.0
Shoeburyness	0	0	0	0	46	45	41	0.1	0.2	11.30	<2100	0.0
Grain	0	0	0	0	45	45	41	0.1	0.2	13.00	<2100	0.0
Lymington	0	0	0	0	50	51	.	0.4	1	<0800	<2100	0.0
Scilly (St. Mary's)	0	0	0	0	53	51	.	Trace	0.1	<0800	<2100	0.0
Falmouth (Pendennis)	0	0	0	0	52	52	49	0.4	0.1	1430	-	0.0
Plymouth	0	0	0	0	52	46	.	Trace	0.1	11.00	<2100	0.0
Portland Bill	0	0	0	0	49	45	.	Trace	0.4	-	<2100	0.0
Calshot	0	0	0	0	51	50	.	-	0.2	-	2400	0.8



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind.		Weather.	Temp.
			Dir.	Force.		
3	16 ⁰⁰	Diaphe	N	3	0/y	47

GENERAL INFERENCE.

It appears probable that the pressure distribution will continue favourable for Westerly winds, with unsettled and generally mild weather.

Districts.

Forecasts for the 24 hours commencing 15h G.M.T. Saturday, 17th December, 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
- 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 West, fresh or strong to moderate; much cloud generally, some slight showers, fair intervals; mild.

Wind West or North-West, strong to moderate; some showers and fair intervals; temperature falling somewhat.

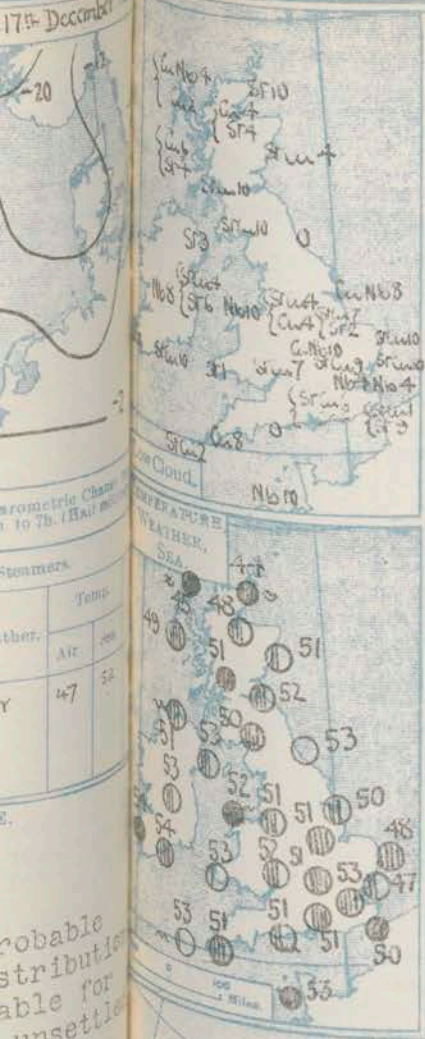
Same as 1 - 10.

Withheld.

South Coast flying

SYNOPTIC CHART FOR MORNING OF SATURDAY, 17th DECEMBER, 1921.

Scale - 1:10,000,000
Nautical Miles. 100 0 100 200
Statute Miles. 100 0 100 200



Probable distribution of unsettled weather.

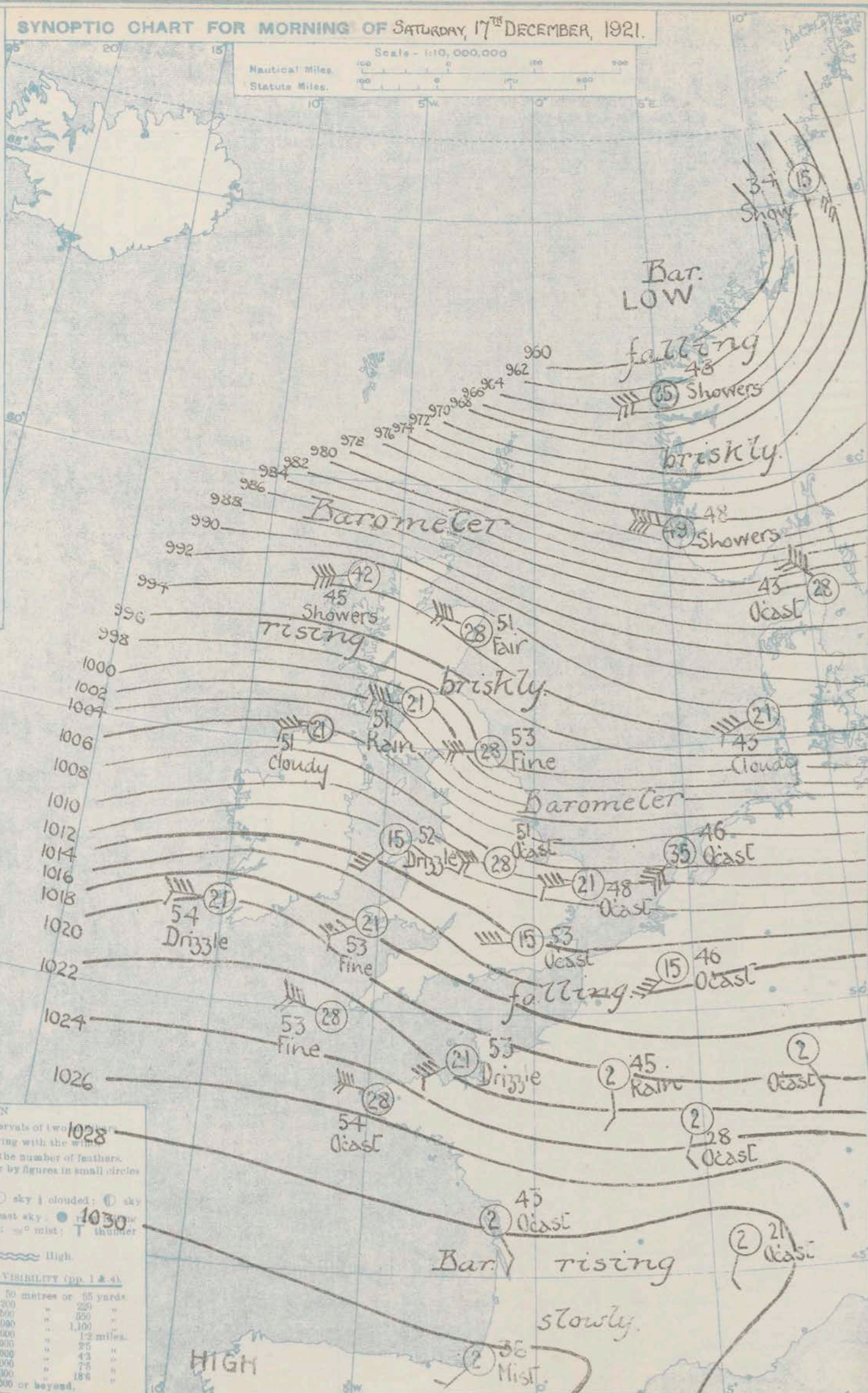
Other Outlook

held.

Cone flying

R.S.

F.R.S. Director



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.

WEATHER SYMBOLS: ○ clear sky; ○ sky; ○ cloudy; ○ sky; ○ overcast sky; ○ sky; ○ rain; ○ drizzle; ○ fog; ○ mist; ○ thunder; ○ hail; ○ snow; ○ sleet; ○ ice; ○ hail; ○ fog; ○ mist; ○ thunder.

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

Objects not visible at	50 metres or 55 yards	100 metres or 110 yards	1,000 metres or 1,100 yards	2,000 metres or 2,200 yards	4,000 metres or 4,400 yards	7,000 metres or 7,700 yards	12,000 metres or 13,200 yards	20,000 metres or 22,000 yards	30,000 metres or 33,000 yards
Very poor	0	1	2	3	4	5	6	7	8
Very bad	9	10	11	12	13	14	15	16	17
Very good	18	19	20	21	22	23	24	25	26

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4.

BRITISH SECTION. SATURDAY, 17th December, 1921.

No. 351

STATIONS.	Observations at 0100 G.M.T. 17 th													Observations at 0700 G.M.T. 17 th																	
	Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 3-9	Height of Low Cloud. Feet	Cloud.			Sea.	Barom. at M.S.L.	Change in 3 Hours.	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 3-9	Height of Low Cloud. Feet	Cloud.								
			Direc.	Force						Form.	Amt.	Total Amt.				Direc.	Force						Form.	Amt.	Total Amt.						
																										0-10	10-20	20-30	0-10	10-20	20-30
Lerwick	981.4	-4	W	8	o/c	47	91	5	-	Nb	10	-	10	981.3	-1	W	9	%	45	97	4	7250	Nb	10	-	10					
Stornoway	990.9	-15	WSW	8	o/c	47	91	4	-	-	-	-	-	992.7	+11	W	8	b.c.	45	75	6	4000	Cu.Nb	6	-	10					
Wick	986.9	-21	WSW	9	o/c	53	92	9	-	-	0	C	9	987.0	+8	WSW	9	ORR	44	92	6	800	St	10	-	10					
Castlebay														1001.3	+7	WNW	8	b.c.	49	65	6	1500	St	6	-	5					
Nairn														992.3	-4	W	8	C+	48	55	8	1500	St	8	-	4					
Aberdeen														993.0	+9	WNW	6	b.c.	51	55	8	4000	St.Cu	4	-						
Malin Head	1005.1	-5	W	5	0	53	97	8	4000	St.Cu	10	-	10	1005.8	+4	W	5	C	51	92	8	4000	Cu.Nb	7	-	10					
Renfrew														1004.9	-1	W	5	o/c	51	75	5	1500	St.Cu	10	-	8					
Inchkeith	998.1	-10	WSW	7	o/c	50	92	8	-	St	10	-	10	996.8	+7	WNW	8	C+	52	47	7	-	0	Ag	10	-					
Eskdalemuir														1002.7	0	W	6	0	50	75	7	2500	St	10	-	0					
Tynemouth	1005.4	-7	W	4	0+	50	75	7	-	-	0	As	9	997.6	+6	W	6	b.c.	53	75	8	-	0	-	-						
Blackad Point														1008.8	+1	WNW	4	C+	53	75	8	2500	St	3	Cu	8					
Dunghaden														1014.9	-	W	3	C-	53	92	3	2500	Nb	8	-	10					
Birr Castle														1013.1	+2	WSW	5	0	53	85	7	1500	St	10	-	10					
Baldonnell	1014.4	-4	WSW	6	o/c	51	97	6	1500	Nb	10	-	10	1013.8	+1	SW	4	o/c	52	97	7	1500	Nb	10	-	8					
Holyhead	1013.2	-2	SW	5	0+	51	97	5	2500	St.Cu	10	-	10	1009.0	+1	W/S	8	C-	51	85	7	2500	Cu	8	-	10					
Liverpool (Bidston)														1009.6	-2	W	8	0	55	75	6	1500	Nb	10	-						
Chester (Shotwick)																															
Howden														1009.2	-6	W	6	C-	50	85	7	7250	Cu.Nb	8	-	10					
Spurn Head	1005.2	-2	W	3	C	47	85	5	4000	St.Cu	8	-	8	1009.7	-	W	6	0+	51	92	6	800	Cu.Nb	10	-	9					
Nottingham														1009.0	-3	WSW	6	0	51	85	8	2500	St.Cu	9	-	10					
Cranwall	1013.3	-3	WSW	5	0+	49	85	7	4000	St	3	As	9	1009.0	-3	W	5	0+	48	92	8	5750	St.Cu	10	-	10					
Gorleston	1013.4	-1	WNW	3	C+	46	97	8	7250	St.Cu	7	-	7	1009.6	-6	SWW	6	0	49	92	6	1500	St.Cu	10	-	10					
Palham														1012.2	-2	WSW	4	0	49	92	7	1500	St.Cu	10	-						
Felixstowe																															
Valencia (Cahirciveen)	1019.8	-1	WSW	6	o/c	52	97	6	-	-	-	-	-	1020.9	+1	W	5	o/c	54	92	5	450	St	10	-	10					
Roches Point														1020.3	0	W	2	0	54	85	8	4000	St.Cu	10	-	2					
Pembroke (St. Ann's H.)	1018.6	-1	WSW	4	0	53	92	9	-	-	0	As	10	1019.0	-1	WSW	5	b-	53	92	8	1500	St	1	Cs	8					
Rose' n-Wye														1019.4	-2	W	5	Cv	52	75	9	2500	St.Cu	7	C	9					
Benson														1019.1	-1	WNW	4	0	51	85	8	-	St.Cu	9	-	10					
S. Warr' borough														1019.9	-1	W	4	0	51	92	7	1500	St.Cu	10	-	9					
London (Kew Obs.)														1013.7	-2	W	4	0	53	85	6	2500	Nb	4	As	10					
Croydon	1019.0	-2	SWW	3	0	44	97	6	1500	St	10	-	10	1014.9	-1	SWW	5	0	51	92	8	1500	St.Cu	10	-	8					
Glanton-on-Sea														1012.1	-3	W	3	C/r	47	92	7	4000	Nb	4	Ag	10					
Shoeburyness														1012.9	-1	SW	6	o/c	50	85	7	1500	St	10	-	10					
Grain														1013.6	-2	WSW	5	0	51	85	8	2500	St.Cu	10	-	10					
Lymington	1017.9	-2	WSW	2	0	48	97	6	1500	St	10	-	10	1014.5	-2	WSW	5	0	48	92	7	1500	St	10	-	10					
Seilly (St. Mary's)	1023.0	0	WNW	5	o/c	52	97	6	1500	St	10	-	10	1021.9	0	WNW	6	b-	53	72	8	4000	St.Cu	2	C	8					
Falmouth (Pendennis)	1022.1	0	WNW	6	o/c	52	92	7	4000	Cu	9	-	9	1021.3	0	W	5	C-	51	85	7	4000	Cu	8	-	6					
Plymouth														1020.5	0	SW	4	C/r	51	92	8	2500	St	6	C	4					
Portland Bill	1019.8	-1	W	4	0	50	85	8	450	St	10	-	10	1018.0	-2	WNW	7	b.c.	51	85	8	-	0	C	10	-					
Calshot	1018.4	-1	SSW	3	o/c	50	97	8	1500	St	10	-	10	1016.8	-1	W	4	0	53	85	8	1500	St.Cu	10	-	10					
Dungeness	1017.0	-1	SW	3	o/c	50	97	7	-	-	0	As	10	1014.9	-2	WNW	4	o/c	50	85	8	800	St	10	-	10					
Jersey Th	1012.7	-1	W	4	o/c	52	97	6	1500	St	10	-	10	1021.1	0	WSW	5	o/c	53	85	7	1500	Nb	10	-						
Guernsey Th																															

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

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		Sunrise to Sunset
	Forenoon.	Afternoon.	Max. Day °F.	Min. Night °F.	Night 12h-16h.	Day 16h-12h.	Sunrise to Sunset 16h.	Forenoon.		Afternoon.	Max. Day °F.	Min. Night °F.	Night 12h-16h.	Day 16h-12h.		
															15-16		16	15-16	16
Banff	cg	bc. b	54	29	2	?	?	hr.	Paignton	rm. o.d.	o.d. bc	52	35	mm.	mm.	hr.
Montrose	c	c	54	32	1	-	0.4	hr.	Ilfracombe	od	od	53	40	-	1	0.0
									Bude	o	d	53	35	-	3	0.0
Llandudno	od	do	52	36	0.1	0.3	0.0		Penzance	om	p	53	48	1	-	0.0
Galway Bay	o	cp	53	49	-	-	0.0		Torquay	o	o	51	36	-	-	0.0
Rhyl	op	o	52	34	-	0.1	0.0		Weymouth	m. bc. o	od	52	35	-	0.1	0.0
Southport	o	T. oc	50	34	0.3	2	0.0		Bournemouth	o	o	44	35	-	-	0.1
Blackpool	o	cu	50	35	1	2	0.0		Portsmouth (S. Isaac)	o	o	44	38	-	-	0.1
Harrogate	o. d.	c. bc	51	33	2	0.2	0.0		Worthing	o	o	48	38	-	0.6	0.0
Stegness	b. o	o	47	33	1	-	0.0		Brighton	o	o	44	42	-	1	0.0
									Eastbourne	o	d	44	42	-	-	0.0
Aberystwyth	T. o	T. oc	51	38	1	0.3	0.0		Hastings	o	o	48	42	0.3	1	0.0
Bath	om	m. od	51	33	-	-	0.0		Folkestone	T. o	bc	46	40	0.3	0.3	0.0
Leamington Spa									Tunbridge Wells	o	o. od	46	41	0.3	-	0.0
Lowestoft	o	o	45	38	0.4	0.1	0.0		Ramsgate							0.0
Felixstowe	1 om	1 om	44	38	1	-	0.0		Margate	o	o	45	41	0.1	-	0.0
Southend	o	o	44	39	0.1	-	0.0		Deal	o	a. o	45	39	-	1	0.0
									Falmouth	*	*	53	45	-	0.1	0.0

* Information for these columns not usually received

† Trace = rain has fallen, but amounts less than 1/16 in.

‡ For code see page 3

§ See footnote page 1

1878

No. B.21941

Page 1.

TEMPERATURE	Min.
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10.	10.
11.	11.
12.	12.
13.	13.
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97.	97.
98.	98.
99.	99.
100.	100.

41

* Information for these solutions not usually received.

† The barometric change is expressed in half millibars.

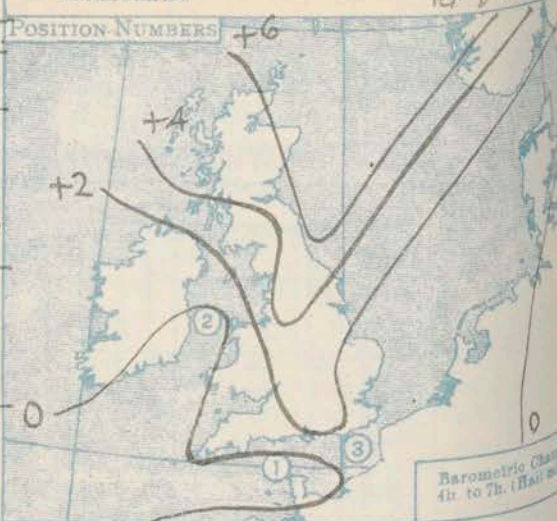
† For code see page 8

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER.				TEMPERATURE.			RAINFALL.				SUN.
	7h.-18h.	18h.-18h.	18h.-18h.	18h.-18h.	MAX. Day.	MIN. Night.	MIN. on 7h.-18h.	Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	Precipitation began.	
Lerwick	hath	hath	hath	hath	45	35	.	2	2	20800	0130	.
Stornoway	P	P	P	P	45	39	.	3	1	20800	.	0.8
Wick	omphg	omphg	omphg	omphg	42	35	.	6	6	20800	<2100	.
Castlebay	coroy	coroy	coroy	coroy	44	44	.	0.3	.	.	.	0.0
Nairn	bg	bg	bg	bg	41	38	.	2	2	20800	<2100	0.0
Aberdeen	bg	bg	bg	bg	51	41	35	.	.	.	.	3.6
Malin Head	cg	cg	cg	cg	52	44	.	0.8	1	1730	<0800	1.2
Renfrew	cg	cg	cg	cg	51	41	34	1	0.3	20800	<0800	1.1
Inchkeith	p	p	p	p	52	41	40	trace	.	.	.	.
Eskdalemuir	bccop	bccop	bccop	bccop	50	39	36	1	1	1230	2200	2.0
Tynemouth	cmq	cmq	cmq	cmq	53	42	.	.	.	.	.	.
Blacksod Point	bcq	bcq	bcq	bcq	53	45	.	0.2	.	.	<2100	.
Donaghadee	co	co	co	co	53	48	44	trace	1	1630	<2100	0.6
Birr Castle	c	c	c	c	53	44	42	trace	0.4	1100	330	2.2
Baldonnell	ddobg	ddobg	ddobg	ddobg	54	50	46	0.4	.	20800	.	3.1
Holyhead	borbc	borbc	borbc	borbc	52	44	42	.	.	.	.	4.3
Liverpool (Bidston)	bbcc	bbcc	bbcc	bbcc	55	49	.	.	.	.	.	.
Chester (Shotwick)	bbcc	bbcc	bbcc	bbcc	55	49	.	.	.	.	.	.
Howden	c	c	c	c	52	46	.	.	.	.	.	1.0
Spurn Head	c	c	c	c	55	49	45	1	.	0430	0.4	.
Nottingham	c	c	c	c	53	45	40	2	.	2200	2.0	.
Cranwell	borbc	borbc	borbc	borbc	53	45	43	.	.	.	.	2.9
Gorleston	oo	oo	oo	oo	55	45	39	.	.	.	.	0.6
Pulham	c	c	c	c	55	45	43	trace	.	20800	.	3.9
Felixstowe	c	c	c	c	56	46	43	trace	.	20800	.	3.9
Valencia (Cahiroiveen)	ocbc	ocbc	ocbc	ocbc	55	50	50	trace	trace	20800	<2100	1.3
Roches Point	c	c	c	c	55	50	.	.	.	.	.	.
Pembroke (St. Ann's H.)	c	c	c	c	55	52	.	.	.	.	.	2.0
Ross-on-Wye	ocbc	ocbc	ocbc	ocbc	56	50	46	.	.	.	.	3.1
Benson	oo	oo	oo	oo	54	45	34	.	.	.	.	.
S. Farnborough	op	op	op	op	55	45	41	.	.	.	.	1.8
London (Kew Obs.)	ocbc	ocbc	ocbc	ocbc	56	49	44	.	.	.	.	4.4
Croydon	ocbc	ocbc	ocbc	ocbc	57	48	44	.	.	.	.	3.9
Olacton-on-Sea	cbcb	cbcb	cbcb	cbcb	56	45	39	.	.	.	.	4.6
Shoeburyness	borbc	borbc	borbc	borbc	56	46	42	.	.	.	.	4.3
Grain	c	c	c	c	55	44	34	.	.	.	.	4.4
Lympne	ocq	ocq	ocq	ocq	55	44	40	.	.	.	.	4.3
Soilly (St. Mary's)	c	c	c	c	55	51	.	0.2	.	1430	.	1.1
Falmouth (Pendennis)	cmp	cmp	cmp	cmp	55	52	.	trace	.	20800	.	2.0
Plymouth	oo	oo	oo	oo	55	52	49	.	.	.	.	0.0
Portland Bill	c	c	c	c	54	46	44	.	.	.	.	.
Calshot	oo	oo	oo	oo	55	44	44	.	.	.	.	0.9
Dungeness	c	c	c	c	55	44	44	.	.	.	.	.
Jersey	ocoe	ocoe	ocoe	ocoe	56	51	.	0.3	.	.	42-50	0.6

ISALOBARS

18th December



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind.		Weather.	Air.	Sea.
			Dir.	Force.			
3	14th 0300	BRIGHTON	W	5	q/r	61	2
2	14th 1000	ANGEL	W	5	o	54	3
3	15th 1200	DIEPPE	W	5	o	62	3

GENERAL INFERENCE.

A depression over Sweden is moving South-eastwards and there are indications of a new disturbance far West of Ireland which is likely to move eastwards. The Westerly wind current over the British Isles will thus persist with unsettled and, except in the Northern districts, rather mild weather.

Districts.

Forecasts for the 24 hours commencing 15h.G.M.T. Sunday 18th December 1921.

Further Outlook

- 1. S.E. England
- 2. E. England
- 3. E. Midlands
- 4. W. Midlands
- 5. S.W. England
- 6. South Wales

Wind Westerly, moderate or fresh. Mainly fair but cloudy at times, slight local showers probable. Visibility good. Rather mild.

- 7. North Wales
- 8. N.W. England
- 9. N. Midlands
- 10. N.E. England
- 11. E. Scotland
- 12. S.W. Scotland

Wind Westerly, moderate or fresh. Variable skies, local showers. Visibility mainly good. Temperature rising somewhat.

- 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 N.W. to W strong then moderating. Cloudy, local showers, fair intervals. Visibility fair. Moderate temperature.

Wind West to South-West, moderate. Cloudy, some rain or showers. Visibility fair. Rather mild.

Winds between and S.W. and rather mild unsettled west

South Cone Flying All Districts.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4.

BRITISH SECTION. SUNDAY, 18th DECEMBER 1921.

No. 352.

STATIONS.	Observations at 0100 G.M.T. 18 th													Observations at 0700 G.M.T. 18 th													
	Barom. at M.S.L. Change in 3 Hours	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 1/4	Height of Low Cloud. Feet	Cloud.			Sea.	Barom. at M.S.L. Change in 3 Hours	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 1/4	Height of Low Cloud. Feet	Cloud.						
		Direc.	Force						Form.	Amt.	Form.			Amt.	Form.						Amt.	Form.	Amt.	Form.	Amt.		
m.b.	0-12							0-10	0-10	0-10	m.b.	0-12								0-10	0-10	0-10					
Lerwick	985.0	+2	WNW	9	0	34	97	5	-	No	10	-	10	994.0	+8	WNW	9	CPH	38	97	6	-	No	7	-	7	
Stornoway	1003.3	+3	WN	8	0	34	97	5	-	-	-	-	-	1007.8	+5	W	6	0	43	95	6	450	St	10	-	5	
Wick	995.9	+4	WNW	9	0	34	97	5	450	St	8	7.5	10	1001.5	+6	WN	9	0	42	95	8	2500	St	10	-	10	
Castlebay														1011.9	+3	WNW	4	0	46	75	7	1500	St	10	-	8	
Nairn														1007.4		WNW	5	0	42	95	8	1500	St	10	-	1	
Aberdeen														1004.4	+4	WNW	6	0	41	65	8	4000	St	1	-	10	
Malin Head	1012.4	+5	W	3	0	44	92	8	4000	St	6	-	6	1013.6	+2	WSW	2	0	44	92	4	500	St	10	-	5	
Renfrew														1011.2	+4	WSW	2	0	42	85	8	2500	St	10	-	1	
Inchkeith	1002.4	+2	W	6	0	44	95	9	-	-	0	AC	1	1007.6	+4	W	6	0	43	85	9	-	St	1	-	4	
Edinburgh														1012.0	+3	W	5	0	40	95	4	2500	St	10	-	1	
Tynemouth	1007.3	0	WNW	3	0	45	95	8	4000	St	4	-	4	1010.8	+6	WN	2	0	42	95	8	4000	St	1	-	1	
Blackod Point														1015.1	+2	WNW	3	0	45	85	8	-	0	AC	1	-	4
Donaghadee														1018.3		W	3	0	52	94	5	1500	No	9	-	9	
Birr Castle														1014.6	0	SW	5	0	50	94	6	800	No	10	-	6	
Baldonnell	1014.4	+1	WSW	5	0	44	85	8	1000	St	8	-	8	1014.0	0	W	5	0	50	92	8	2500	St	10	-	9	
Holyhead	1016.9	+2	WIS	6	0	44	85	8	2500	St	10	-	10	1014.4	0	W	5	0	50	92	8	2500	St	10	-	9	
Liverpool (Bidston)														1015.9	+4	W	5	0	48	85	4	2500	St	10	-	9	
Chester (Shotwick)														1015.4	+2	W	6	0	50	85	9	800	St	1	-	4	
Howden														1011.4	+2	W	6	0	46	85	4	-	0	AC	1	-	2
Spurn Head	1009.5	0	W	6	0	44	92	4	4000	St	4	-	4	1015.6		WNW	4	0	49	85	4	800	St	10	-	2	
Nottingham														1015.4	+2	WNW	5	0	48	85	8	2500	St	10	-	3	
Cranwell	1013.2	0	W/N	6	0	44	95	8	1500	St	9	-	9	1015.4	+1	WNW	5	0	48	95	8	4000	St	10	-	3	
Gorleston	1012.6	0	WNW	5	0	44	95	8	500	St	9	-	9	1014.4	+1	W	5	0	48	85	4	500	St	10	-	9	
Pulham														1014.4	+1	WSW	4	0	48	85	8	4000	St	10	-	10	
Felixstowe														1016.4	+1	WSW	4	0	48	85	8	4000	St	10	-	10	
Valencia (Cahirovee)	1022.4	-1	W	5	0	53	92	6	-	0	AC	5	5	1022.9	+1	SW	5	0	54	85	4	800	St	10	-	3	
Roches Point														1022.6	0	WN	3	0	52	85	8	4000	No	3	-	6	
Pembroke (St. Ann's H.)	1021.3	0	W	6	0	52	92	8	2500	St	5	-	5	1020.7	0	WSW	5	0	53	92	8	2500	St	10	-	9	
Ross-on-Wye														1018.7	+1	W	3	0	53	95	9	2500	St	10	-	1	
Benson														1018.4	+2	WSW	4	0	48	92	9	-	St	1	-	2	
S. Farnborough														1019.2	+3	WIS	4	0	49	92	8	2500	St	10	-	2	
London (Kew Obs.)														1018.9	+2	WIS	3	0	50	85	8	4000	St	10	-	4	
Croydon	1018.0	0	WIS	5	0	48	85	8	4000	St	3	-	3	1019.0	+2	WIS	5	0	49	85	8	4000	St	10	-	4	
Clifton-on-Sea														1016.9	0	W	4	0	48	85	8	4000	No	4	-	3	
Shoeburyness														1014.3	+1	W	5	0	49	85	8	4000	St	10	-	3	
Grain														1014.9	+2	WSW	5	0	49	85	8	4000	St	10	-	3	
Lympne	1014.1	+1	W	5	0	45	92	8	-	0	AC	1	1	1018.4	+1	W	5	0	46	92	8	500	St	10	-	10	
Scilly (St. Mary's)	1025.4	0	W/N	5	0	54	92	8	4000	St	10	-	10	1026.2	0	W	5	0	53	94	8	4000	St	10	-	9	
Falmouth (Pendennis)	1023.8	0	W	5	0	52	85	8	2500	St	2	-	2	1024.5	0	W	5	0	54	85	8	2500	St	10	-	4	
Plymouth														1023.6	+1	WN	3	0	54	92	8	800	St	10	-	4	
Portland Bill	1020.9	+3	WIS	6	0	50	85	4	-	0	AC	10	10	1020.9	0	W	6	0	50	85	8	800	St	10	-	4	
Calshot	1019.4	0	WIS	4	0	50	85	8	1500	St	10	-	10	1021.1	+3	SW	3	0	50	92	8	1500	St	10	-	0	
Dungeness	1014.6	0	WSW	4	0	48	92	8	4000	St	3	-	3	1018.2	0	W	5	0	50	85	9	-	0	-	10		
Jersey (Th. Guernsey 1h)	1024.0	0	W	5	0	54	95	9	500	St	9	-	9	1025.1	0	SW	3	0	53	92	8	1500	St	10	-	10	

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

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL†		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL†		Sunrise to Sunset
	Forenoon.	Afternoon.	Max. Day of.	Min. Night of.	Night 12h.-9h.	Day 9h.-12h.	Sunrise to Sunset	Forenoon.		Afternoon.	Max. Day of.	Min. Night of.	Night 12h.-9h.	Day 9h.-12h.		
															12h.-9h.		9h.-12h.
Banff	cqpc	becpbc	44	?	2	0.3	1.1	Paignton	bec	cbe	57	50	-	-	0.3	
Montrose								Ilfracombe	o	ocbc	55	46	0.7	-	0.3	
								Bude	o	cbe	54	52	0.7	-	0.1	
Llandudno	cbb	bc	53	50	-	-	3.9	Penzance	od	cbe	55	51	1	0.3	1.3	
Golwyn Bay	cbe	b	53	48	-	-	2.5	Torquay	o	occ	?	50	-	-	1.0	
Rhyl	cbe	b	53	48	-	-	2.5	Weymouth	cbe	bc	56	50	-	-	2.8	
Southport	becbc	bc	51	48	0.1	-	3.2	Bournemouth	bc	bc	57	42	-	-	1.2	
Blackpool	c	bc	51	48	-	-	3.4	Portsmouth (St. Peter's)	c	c	56	47	-	-	2.3	
Harrogate	bc	b	51	47	0.7	-	4.0	Worthing	cbe	bc	56	47	0.3	-	2.7	
Skegness	o	ocb	55	46	-	-	0.2	Brighton	oc	cb	55	49	0.5	-	3.9	
Aberystwyth	rec	eco	52	48	0.5	-	3.0	Eastbourne	bcc	bc	54	48	0.1	-	2.6	
Bath	bc	bc	55	50	0.3	-	2.0	Hastings	cbeoc	cbebc	55	47	0.4	-	4.0	
Leamington Spa								Folkestone	-	-	54	43	0.2	0.2	3.8	
Lowestoft	cbe	bc	54	44	-	-	1.5	Tunbridge Wells	bc	bc	56	44	-	-	4.2	
Felixstowe	o	b	55	43	0.2	-	4.3	Ramsgate	bc	bc	53	42	0.3	-	0.0	
Southend	cq	bc	55	43	0.1	-	3.0	Margate	c	cbe	53	45	0.3	-	4.6	
								Deal	ocbc	bc	55	48	-	-	0.9	
								Falmouth.	cmp	co	55	50	0.3	0.2	0.9	

* Information for these columns not usually received

† Trace = rain has fallen, but amount less than 0.1 mm.

‡ For code see page 5.

§ See foot-note page 1.

NOV 7 1971

No. B. 21,942

Monday 19th DECEMBER.....1921.

Page 1.

TEMPERATURE.	
RE. F.	MIN. F.
6	45
?	?
4	43
4	43
1	37
57	52
8	50
5	45
4	48
3	43
*	*
6	48
*	*

Rain began.

40800
40850
2130

40800
40800

Cairo

290 45

210	
140	10

est-
le-

3

at

* Information for these columns not available

The barometric change is expressed in half millibars.

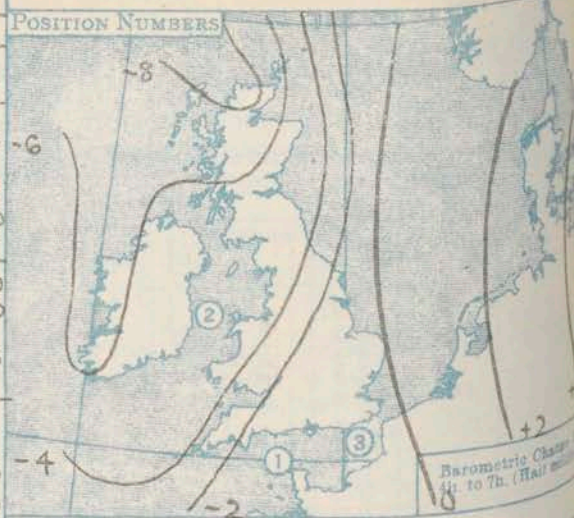
For code see page 3

SUMMARIES FOR THE PAST 24 HOURS

ISALOBARS

19th December

STATIONS.	WEATHER.				TEMPERATURE.			RAINFALL.				SUN.
	7h-13h.	13h-18h.	18h-19h.	19h-7h.	MAX. Day.	MIN. Night.	MIN. on GRASS.	Day. 7h-18h.	Night. 18h-7h.	Precipitation began.	Precipitation ended.	Hours.
Lerwick	py	harrh	babe	oo	41	35	.	2	7	Lo 800	-	0.0
Stornoway	oo	oo	rard	p	44	37	.	-	7	-	-	0.0
Wick	oo	oo	beco	or	42	35	.	0.5	4	Lo 800	1.30	0.0
Castlebay	op. da	ado	orr	rard	46	42	.	2	7	-	Lo 100	0.0
Nairn	p	c	c	c	43	36	.	-	2	-	-	0.0
Aberdeen	op. b	beco	mir	c	43	38	35	-	1	-	2.30	0.7
Malin Head	rd	orr	og	p	51	47	.	8	3	Lo 800	Lo 100	0.0
Renfrew	copo	ogrm	or	rard	45	39	38	1	6	1100	Lo 100	0.0
Inchkeith	oo	oo	rard	rard	45	39	38	-	2	-	Lo 100	0.0
Edinleamuir	copo	oor	od	it	42	37	36	2	5	Lo 800	Lo 100	0.0
Tynemouth	oaim	r. r.	md.	md	46	40	.	2	5	1530	Lo 100	0.0
Blackad Point												
Donaghadee	DD	omd	cmdg	cmd	54	51	.	3	0.2	0900	Lo 100	0.0
Birr Castle	babe	coid	c	c	54	51	49	1	0.2	Lo 800	-	0.0
Baldonnell	radgn	oagm	odgm	rard	53	50	46	0.6	0.3	Lo 800	2400	0.0
Holyhead	ODo	oo	oo	ood	54	51	49	1	0.1	Lo 800	-	0.0
Liverpool (Bidston)	rd	rard	c	c	54	46	42	2	0.2	Lo 800	Lo 100	0.2
Chester (Shotwick)	ODO	og	oid	ob	57	53	.	trace	trace	Lo 800	-	0.0
Howden												
Spurn Head	c	rard	rard	p	46	42	.	2	4	1430	-	0.2
Nottingham	om. id	ood	oo	oo	53	52	48	0.2	-	0900	-	0.7
Cranwell	c	id	c	c	51	50	47	0.5	-	1330	-	1.3
Gorleston	bag. p	or. r.	oo	c	50	44	43	1	0.2	1230	Lo 100	0.0
Pulham	c	oo	oo	oo	53	50	47	-	-	-	-	1.7
Felixstowe	c	oo	oo	oo	54	49	46	-	-	-	-	4.2
Valencia (Cahireveen)	coid	omid	form	oidg	54	52	50	trace	1	Lo 800	Lo 100	0.0
Roches Point	c	oo	oo	oo	56	52	.	-	0.2	-	2200	0.0
Pembroke (St. Ann's H.)	bcag	og. id.	oidm	ogidm	54	51	.	0.1	1	1530	Lo 100	3.0
Ross-on-Wye	ov. ber	ovov	ovpd	ovov	55	51	47	-	-	-	-	1.4
Benson	bc	bc	oo	oo	55	48	46	-	-	-	-	1.0
S. Farnborough	rd	c	c	c	55	50	49	trace	-	0900	-	1.2
London (Kew Obsy.)	comp.	bcbeo	oo	oo	55	52	49	trace	trace	1100	-	2.5
Croydon	bcagm	bcima	beimog	ogidm	56	51	49	trace	trace	1100	4.30	4.2
Olaeton-on-Sea	cbeo	og	og	og	54	47	43	-	-	-	-	3.7
Shoeburyness	b. bc	c	oo	oo	54	49	46	-	-	-	-	3.7
Grain	c	bc	oo	oo	55	50	42	-	-	-	-	3.5
Lympe	bc. bc	bcbeo	oo	oo	54	48	46	trace	trace	1230	6.30	4.3
Soilly (St. Mary's)	c	c	rard	oo	55	51	.	-	0.4	-	Lo 100	1.3
Falmouth (Fendennis)	c. cmd	omid	oomd	odomt	55	49	.	-	0.3	-	5.30	1.2
Plymouth	p	rard	c	c	55	51	49	trace	0.2	-	-	0.1
Portland Bill	b. bc	oo	oo	oo	54	50	.	-	-	-	-	2.1
Calshot	rd	c	c	oo	56	50	49	trace	-	-	-	2.1
Dungess	c	c	c	ad. r	54	49	.	0.5	0.5	Lo 100	-	0.0
Jersey	occo	oco	ad.	ad.	56	51	.	-	1	-	2200	0.3



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind.		Weather.	Temp.
			Dir.	Force.		
3	18th 0300	"Dieppe"	W	5	0+	52
2	18th 1000	"Anglia"	W	4	0	54
3	19th 0300	"Brighton"	W	6	0	53

GENERAL INFERENCE.

A large depression approaching from the Atlantic will cause South-West to West winds, strong to a gale, with unseasonable warmth, much cloud and some rain.

Districts.

Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 19th December, 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
- 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-West, strong to a gale; much low cloud, some rain; visibility indifferent to fair; mild.

Continuing unsettled and mild with South-West to West winds.

South Cone Hoisted at 09.20 to-day in Districts 11, 12, 14, 15 and in other Districts.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4.

BRITISH SECTION. *Monday*.....19th DECEMBER.....1921.

No. 123.

STATIONS.	Observations at 0100 G.M.T. 19 th													Observations at 0700 G.M.T. 19 th												
	Barom. at M.S.L. m.b.	Change in 3 Hours	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-3 Miles.	Height of Low Cloud. Feet.	Cloud.			Barom. at M.S.L. m.b.	Change in 3 Hours	Wind.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-3 Miles.	Height of Low Cloud. Feet.	Cloud.				
			Dir.	Force						Form.	Amt.	Total Form.			Total Amt.	Dir.						Force	Form.	Amt.	Total Form.	Total Amt.
Lerwick	1007.2	0	-	0	b	36	85	7	-	SrCu	2	-	2	1005.0	-1	S	2	od	39	75	6	-	Nb	10	-	10
Stornoway	1007.9	-4	SSE	2	tr			4	-					995.1	-9	S	6	OPR	50	97	5	450	Sr	10	-	10
Wick	1007.4	-1	WSW	2	ot	37	92	9	800	Sr	10	-	10	1000.1	-9	SSE	5	ot	40	97	8	2500	Nb	10	-	10
Castletybay														999.3	-3	SW	4	od	51	92	6	800	Sr	10	-	10
Nairn														999.2	-1		0	ot	38	92	8	1500	Sr	8	-	10
Aberdeen														1003.2	-7	SE	2	ot	43	97	5	1500	Sr	10	-	10
Malin Head	1006.9	-4	W	5	o	51	97	7	4000	Nb	10	-	10	1003.8	-5	S	3	o	52	92	8	4000	Nb	10	-	10
Renfrew														1004.8	-5	SW	4	od	50	97	6	1500	SrCu	9	-	10
Inchkeith	1003.5	-2	SSE	2	od	39	97	5	-	Nb	10	-	10	1004.5	-4	WNW	1	od	42	97	5	-	Nb	10	-	10
Baldernair														1005.7	-5	SW	6	od	48	97	6	1500	Nb	10	-	10
Tynemouth	1011.7	-1	W	1	od	40	97	4	4000	Nb	10	-	10	1007.9	-4	W	1	ot	51	85	5	2500	Sr	8	ASr	-
Blackod Point														1008.9	-4	WSW	3	o	51	85	8	5750	SrCu	10	-	10
Donsghadee														1009.6	-1	S	3	o	52	92	3	2500	SrCu	9	-	10
Birr Castle														1009.7	-4	SW'S	5	o	50	85	7	1500	Sr	9	-	10
Baldonnell	1014.3	-3	SW	4	ot	52	92	7	1500	SrCu	10	-	10	1011.4	-4	SW'S	5	od	52	97	7	1500	Sr	10	-	10
Holyhead	1014.5	-2	SW	5	o			7	1500	SrCu	10	-	10	1011.6	-1	WSW	2	o	51	85	8	4000	Sr	2	ASr	-
Liverpool (Bilston)														1010.9	-4	S	5	bc	53	85	6	2500	Cu	3	ASr	-
Chester (Shotwick)																										
Howden														1012.0	0	SW	3	ot	50	92	6	1500	Sr	9	-	10
Spurn Head	1012.1	-2	WNW	2	ot	48	92	7	450	Sr	10	-	10	1013.1	0	WSW	3	o	52	85	6	1500	SrCu	10	-	10
Nottingham														1013.7	0	WSW	4	C	51	85	8	2500	SrCu	6	ACu	-
Cranwell	1014.7	0	WSW	5	bc	51	85	8	4000	SrCu	1	ACu	4	1015.1	0	W'S	3	o	51	92	8	7250	SrCu	9	-	10
Gorleston	1014.9	-1	W	4	o	52	92	8	5750	SrCu	10	-	10	1014.8	0	SW	4	o	52	85	7	4000	SrCu	10	-	10
Pulham														1016.2	0	SW	3	o	52	85	8	2500	SrCu	10	-	10
Felixstowe														1016.2	0	SW	3	o	52	85	8	2500	SrCu	10	-	10
Valencia (Cahirovee)	1015.6	-3	SW	3	od	51	97	6	-	Sr	10	-	10	1010.3	-6	S	5	od	53	92	6	450	Sr	10	-	10
Reche Point														1013.4	-5	WSW	4	bc	52	92	8	2500	SrCu	6	-	10
Pembroke (St. Ann's H.)	1019.4	-2	WSW	5	od	53	92	8	1500	Nb	10	-	10	1013.6	-4	WSW	6	ot	51	97	8	800	Nb	10	-	10
Ross-on-Wye														1015.5	-2	SW'W	4	on	52	85	9	2500	SrCu	9	-	10
Benson														1016.7	-1	WSW	3	o	51	85	8	-	Cu	10	-	10
S. Farnborough														1017.6	-1	W	3	ot	50	85	8	1500	SrCu	10	-	10
London (Kew Obs.)						52								1017.1	-1	WSW	3	o	52	85	8	2500	SrCu	10	-	10
Croydon	1018.9	-1	W'S	6	o	52	85	8	1500	SrCu	10	-	10	1017.8	-1	W'S	5	ot	51	92	7	1500	Sr	10	-	10
Clacton-on-Sea														1016.5	0	W	3	o	50	92	8	2500	SrCu	10	-	10
Shoeburyness														1017.0	0	SW	1	o	51	85	7	4000	Cu	10	-	10
Grain														1017.1	-1	WSW	4	o	52	85	8	4000	SrCu	10	-	10
Lympne	1019.4	-1	W'S	4	o	50	92	8	4000	SrCu	9	-	9	1018.6	-1	WSW	4	ot	49	92	8	1500	Nb	10	-	10
Scilly (St. Mary's)	1022.4	-4	W'S	5	od	52	97	7	4000	SrCu	9	-	9	1018.7	-4	WSW	5	o	52	92	8	4000	SrCu	9	-	10
Falmouth (Pendennis)	1023.1	-2	W	4	o	51	92	5	4000	Nb	10	-	10	1019.4	-4	W	6	ot	51	92	6	4000	Nb	10	-	10
Plymouth														1019.3	-3	SW	4	ot	52	97	8	1500	Nb	9	-	10
Portland Bill	1021.4	-2	W'S	6	o	51	85	8	800	Sr	10	-	10	1018.7	-3	W'S	6	o	52	85	8	800	Sr	10	-	10
Calshot	1020.4	-1	SW'W	4	o	51	92	8	4000	SrCu	4	ACu	9	1018.7	-1	WSW	4	o	51	92	8	2500	SrCu	10	-	10
Dungeness	1018.4	-1	WSW	5	C	51	92	9	4000	Cu	8	-	8	1018.4	0	WSW	4	od	50	97	8	4000	Nb	10	-	10
Jersey Th.	023.7	-2	WNW	4	od	52	92	6	800	Sr	8	-	8	1022.2	-1	SW	4	od	51	92	7	1500	Nb	10	-	10
Guernsey Th.																										

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

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		Sunrise to Sunset.
	Forenoon.	Afternoon.	Max. Day.	Min. Night.	Night	Day	Sunrise to Sunset.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. Day.	Min. Night.	Night	Day	
					11th-12th.	12th-1st.								11th-12th.	12th-1st.	
					mm.	mm.	hr.	hr.					mm.	mm.	hr.	
Band	bbe	bec	44	38	0.2	-	2.5		Paignton	cbc	bcbe	57	51	-	-	1.5
Montrose	c	c	44	39	-	-	0.0		Ilfracombe	beod	dpm	55	52	-	0.3	0.9
									Bude	c	ed	55	52	-	0.5	0.2
Llandudno	od	od	53	47	0.1	0.3	3.0		Pennance	ac	cm	55	52	-	-	1.4
Golwyn Bay	c	c	54	49	-	-	0.8		Torquay	booc	b	57	51	-	-	1.6
Rhyl	epc	co	55	48	0.2	0.1	0.0		Weymouth	cbc	bec	57	51	-	-	2.0
Southport	or	or	50	46	0.5	2	0.0		Bournemouth	bc	beb	56	48	0.3	-	2.8
Blackpool	or	or	50	46	1	4	0.0		Portsmouth (S' theca)	bc	bc	56	47	-	-	4.0
Harrogate	becod	odr	46	42	0.2	1	0.5		Worthing	abc	bec	55	46	-	-	2.8
Skewness	or	or	55	46	-	-	0.6		Brighton	abc	bec	53	48	-	-	3.3
									Eastbourne	cbec	bc	54	48	-	-	2.3
Aberystwyth	rac	bec	52	49	1	-	2.0		Hastings	wbec	acbc	55	46	trace	-	3.6
Bath	ac	bc	54	50	-	-	0.2		Folkestone	b	bec	57	45	-	-	2.9
Leamington Spa									Tunbridge Wells	bc	beb	56	42	-	-	4.0
Lowestoft	beco	od	52	40	-	0.3	2.8		Ramsgate	bc	beb	55	45	-	-	2.7
Felixstowe	b	o	54	46	-	-	4.6		Margate	beb	bc	55	48	-	-	4.0
Southend	bc	beco	54	44	-	-	2.4		Deal	bc	bec	54	47	-	-	1.6
									Falmouth	ocnd	ond	55	52	-	-	-

* 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.

INDIAN TALS
TEMPERATURE

No. B..21943

Tuesday, 20th December 1921.

Page 1.

INDIAN TALS
TEMPERATURE

INDIAN TALS
TEMPERATURE

* Information for these regions not usually received.

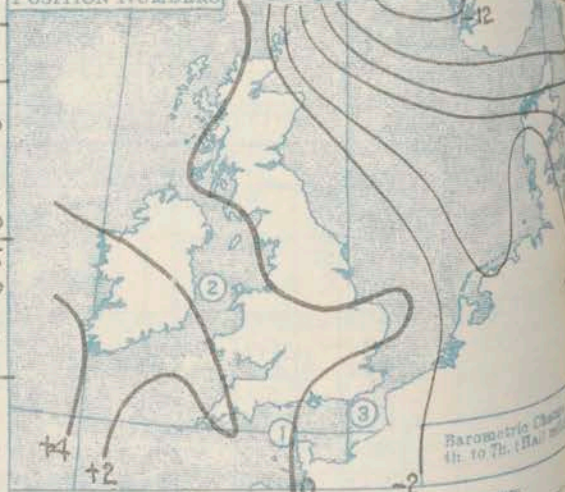
SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER.				TEMPERATURE.			RAINFALL.				SUN.
	7h-13h.	13h-18h.	18h-24h.	1h-7h.	MAX. Day.	MIN. Night.	MIN. on GRASS.	Day. 7h-13h.	Night. 13h-18h.	Precipitation began.	Precipitation ended.	Hours.
Lerwick	fog	fog	p	p	47	32	.	9	3	10800	12100	.
Stornoway	fog	p	hath	p	53	31	.	10	7	10800	12100	0.0
Wick	oo	c	hath	barbe	49	35	.	0.3	3	10800	12100	.
Castlebay	ddry	rr.o.c	c.p.e	chp.o	52	36	.	2	0.1	-	-	0.0
Nairn	fog	fog	p	p	52	36	.	1	6	1630	12100	0.0
Aberdeen	ocmg	cbq	boqpb	p	51	36	32	-	1	-	12100	0.0
Malin Head	c	ir.g	capb	ogph	54	41	.	Trace	3	1730	12100	1.5
Renfrew	ormp	ormp	ocop	Rg	52	37	34	2	7	10800	12100	0.0
Inchkeith	oo	fog	p	sars	53	34	33	0.2	2	-	-	0.0
Esdailemuir	odog	oir	ir	s	49	34	32	2	8	10800	12100	0.0
Tynemouth	oim	oim	p.g	ph.g	54	36	.	-	2	-	130	.
Blackod Point	bcq	cirg	cirg	oirg	53	35	.	Trace	2	1630	12100	.
Donaghadee	c	c	bcir	ccir	56	36	32	0.5	3	1630	12100	0.7
Birr Castle	c	c	bcir	ccir	54	35	34	0.2	2	1730	12100	1.9
Baldonwell	ofdc	odog	ocir	o	54	42	39	1	2	10800	12100	0.0
Holyhead	bcir	c	bcir	p	56	39	38	-	1	-	2200	0.4
Liverpool (Bidston)	og	cocq	bbeq	ooqpro	56	40	.	-	0.5	-	630	.
Chester (Rhetwick)	og	cocq	bbeq	ooqpro	56	40	.	-	0.5	-	630	.
Howden	c	c	p	oo	52	43	.	0.1	Trace	10800	230	0.6
Spurn Head	c	c	p	oo	53	44	40	-	0.3	-	2200	0.0
Nottingham	oo	c	c	ch	52	43	40	-	Trace	-	2400	1.0
Cranwell	c	oo	c	ch	53	48	46	-	0.4	-	230	0.0
Gorleston	c	c	oo	ch	52	48	44	-	1	-	430	0.0
Fulham	oo	oo	c	ch	52	47	46	-	-	-	-	0.0
Felixstowe	oo	oo	c	ch	52	47	46	-	-	-	-	0.0
Valencia (Cahirciveen)	odbm	opc	bop	bopq	55	40	38	2	4	10800	12100	0.0
Roches Point	oir	p	bop	bopq	55	42	.	1	-	0900	-	.
Pembroke (St. Ann's H.)	oo	oidm	eg	eg	54	45	.	1	0.5	1430	12100	0.0
Ross-on-Wye	coquid	idg	odabeg	capber	52	45	42	Trace	0.5	1230	12100	0.0
Benzen	oo	oo	o	po	52	46	41	-	0.2	-	2400	.
S. Farnborough	fog	fog	ir	p	53	45	44	Trace	1	1430	130	0.2
London (New Obs.)	ooqod	odg	odog	ogof	53	49	46	-	1	-	130	0.0
Croydon	oimq	oqid	ogdo	brtdog	53	48	45	Trace	1	1330	12100	0.1
Clacton-on-Sea	og	og	og	ocqg	51	47	44	-	-	-	-	0.0
Shoburyness	c	oo	c	ch	53	49	47	-	-	-	-	0.0
Grain	oo	oo	p	ch	53	48	44	-	0.5	-	12100	0.0
Lympne	oo	oo	p	ch	51	48	46	0.3	2	10800	12100	0.0
Boilly (St. Mary's)	ocm	imd	omidg	eg	54	46	.	1	1	10800	12100	0.5
Falmouth (Pendennis)	omdoe	ecomp	ompem	metb	52	47	.	0.1	0.6	1730	12100	1.0
Plymouth	fog	fog	fog	fog	55	50	.	0.6	1	10800	12100	.
Portland Bill	fog	fog	fog	fog	55	50	.	1	1	1530	12100	.
Calshot	fog	fog	fog	fog	53	49	47	0.3	1	10800	12100	0.7
Dungannon	qir	qir	qir	OTT	52	50	.	1	2	0900	12100	.
Jersey	odg	oo	o	oifo	55	50	.	0.3	4	0900	230	0.0

ISALLOBARS.

Tuesday, 20th Dec.

POSITION NUMBERS



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind.		Weather.	Air.
			Dir.	Force.		
2	19th 1000	Anglia	SSW	6	oup	52
3	20th 0300	Dieppe	SW	8	o	52

GENERAL INFERENCE.

A deep depression North of the Shetlands will maintain strong West to North-West winds for the next 24 hours with showers followed by considerable fair intervals and a rather lower temperature than of late.

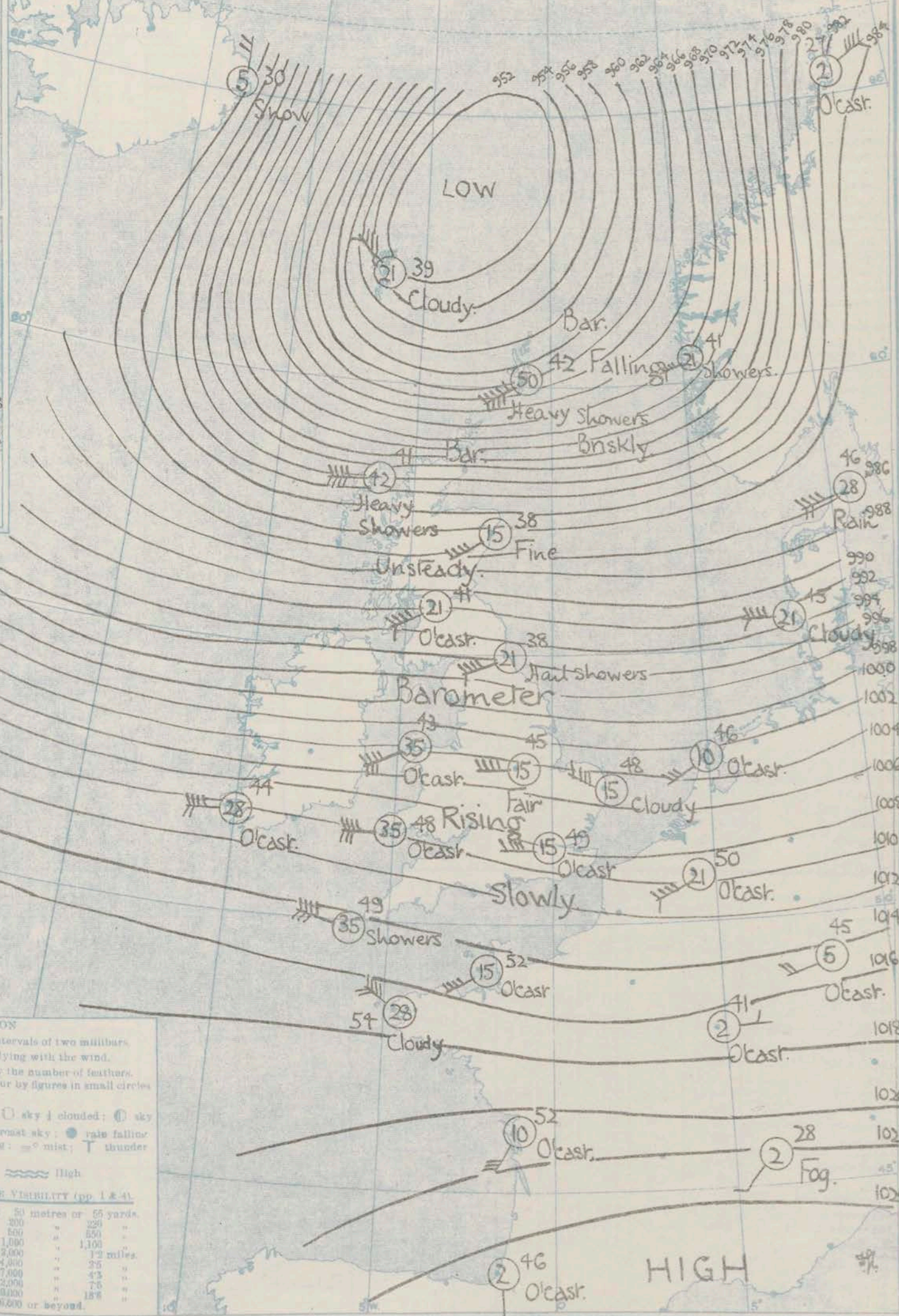
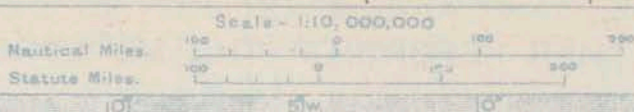
Districts.

Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 20th December, 1921.

Further Outlook

1. S.E. England	Strong West to North-West winds; some showers, becoming fairer, visibility fair to good; rather colder than of late.	Becoming misty and unsettled again with West to South-West winds.
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		

SYNOPTIC CHART FOR MORNING OF TUESDAY, 20TH DECEMBER, 1921.



"Celtic"
21 46
Sea 51
Cloudy.

EXPLANATION

Isobars are drawn for intervals of two millibars.
Direction is shown by arrows flying with the wind.
Speed on the scale 0-12, is indicated by the number of feathers.
Temperature is shown in miles per hour by figures in small circles.
Temperature is given in °F.

WEATHER SYMBOLS:
 ○ clear sky ◐ sky & clouded ◑ sky
 ☁ sky & clouded ☂ overcast sky ● rain falling
 * sleet ▲ hail = fog = mist T thunder

SEA DISTURBANCE:
 ~~~~~ Rough    ~~~~~ High

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

| Objects not visible at | 50 metres or 55 yards. | 100 metres or 110 yards. | 1,000 metres or 1,100 yards. | 2,000 metres or 2,200 yards. | 3,000 metres or 3,300 yards. | 4,000 metres or 4,400 yards. | 5,000 metres or 5,500 yards. | 6,000 metres or 6,600 yards. | 7,000 metres or 7,700 yards. | 8,000 metres or 8,800 yards. | 9,000 metres or 9,900 yards. | 10,000 metres or 11,000 yards. | 12,000 metres or 13,200 yards. | 15,000 metres or 16,500 yards. | 20,000 metres or 22,000 yards. | 25,000 metres or 27,500 yards. | 30,000 metres or 33,000 yards. | 40,000 metres or 44,000 yards. | 50,000 metres or 55,000 yards. | 60,000 metres or 66,000 yards. | 70,000 metres or 77,000 yards. | 80,000 metres or 88,000 yards. | 90,000 metres or 99,000 yards. | 100,000 metres or 110,000 yards. |
|------------------------|------------------------|--------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------------------------------|
| Very poor              | 0                      | 1                        | 2                            | 3                            | 4                            | 5                            | 6                            | 7                            | 8                            | 9                            | 10                           | 11                             | 12                             | 13                             | 14                             | 15                             | 16                             | 17                             | 18                             | 19                             | 20                             | 21                             | 22                             | 23                               |
| Very good              | 24                     | 25                       | 26                           | 27                           | 28                           | 29                           | 30                           | 31                           | 32                           | 33                           | 34                           | 35                             | 36                             | 37                             | 38                             | 39                             | 40                             | 41                             | 42                             | 43                             | 44                             | 45                             | 46                             | 47                               |



## AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4.

BRITISH SECTION Tuesday 20<sup>th</sup> December 1921.

No. 354.

| STATIONS.               | Observations at 0100 G.M.T. 20 <sup>th</sup> |                   |        |       |          |           |            |                |                          |        |      |        |                       | Observations at 0700 G.M.T. 20 <sup>th</sup> |       |       |          |           |            |                |                          |        |      |      |      |      |
|-------------------------|----------------------------------------------|-------------------|--------|-------|----------|-----------|------------|----------------|--------------------------|--------|------|--------|-----------------------|----------------------------------------------|-------|-------|----------|-----------|------------|----------------|--------------------------|--------|------|------|------|------|
|                         | Barom. at M.S.L. m.b.                        | Change in 3 Hours | Wind.  |       | Weather. | Temp. °F. | Humidity % | Visibility 0-9 | Height of Low Cloud Feet | Cloud. |      |        | Barom. at M.S.L. m.b. | Change in 3 Hours                            | Wind. |       | Weather. | Temp. °F. | Humidity % | Visibility 0-9 | Height of Low Cloud Feet | Cloud. |      |      |      |      |
|                         |                                              |                   | Direc. | Force |          |           |            |                |                          | Form.  | Amt. | Direc. |                       |                                              | Force | Form. |          |           |            |                |                          | Amt.   |      |      |      |      |
|                         |                                              |                   |        |       |          |           |            |                |                          |        |      |        |                       |                                              |       |       |          |           |            |                |                          |        | 0-10 | 6-10 | 0-10 | 6-10 |
|                         |                                              |                   |        |       |          |           |            |                |                          |        |      |        |                       |                                              |       |       |          |           |            |                |                          |        |      |      |      |      |
| Lerwick                 | 972.0                                        | -6                | SW     | 8     | bcp      | 44        | 75         | 7              | 4000                     | CuNb   | 3    | 3      | 961.1                 | -12                                          | SW    | 9     | OPR      | 42        | 75         | 6              | -                        | 0      | ASr  | 10   |      |      |
| Stornoway               | 980.9                                        | 0                 | W      | 7     | PH       | 39        | 85         | 9              | 800                      | St     | 10   | 10     | 977.9                 | +1                                           | W     | 8     | OPR      | 41        | 75         | 4              | 450                      | St     | 10   | 10   |      |      |
| Wick                    | 980.8                                        | -1                | SW     | 6     | OR       | 39        | 85         | 9              | 800                      | St     | 10   | 10     | 972.2                 | -5                                           | WSW   | 6     | OP       | 37        | 37         | 8              | 500                      | St     | 5    | ASr  |      |      |
| Castell                 |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 987.8                 | 0                                            | W     | 7     | CPH      | 43        | 65         | 7              | 1500                     | Nb     | 8    | 8    |      |      |
| Fair                    |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 981.7                 |                                              | W     | 7     | OR       | 37        | 37         | 8              | 2500                     | Nb     | 10   | 10   |      |      |
| Aberdeen                |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 934.1                 | -3                                           | SW    | 4     | b-       | 38        | 75         | 8              | -                        | 0      | 0    | 0    |      |      |
| Malin Head              | 993.6                                        | +3                | WSW    | 5     | CPH      | 48        | 92         | 8              | 4000                     | CuNb   | 8    | 8      | 993.6                 | 0                                            | WSW   | 5     | CPH      | 41        | 92         | 8              | 4000                     | CuNb   | 8    | 8    |      |      |
| Reafrow                 |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 991.9                 | 0                                            | WSW   | 5     | O        | 41        | 75         | 7              | 1500                     | St     | 9    | 9    |      |      |
| Inchkeith               | 984.3                                        | +2                | WSW    | 6     | bv       | 42        | 85         | 9              | -                        | CuNb   | 1    | 1      | 988.8                 | -1                                           | WSW   | 6     | bv       | 38        | 85         | 9              | -                        | CuNb   | 1    | 1    |      |      |
| Eskdalemuir             |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 995.0                 | -1                                           | WSW   | 7     | OPR      | 34        | 85         | 6              | 1500                     | Nb     | 10   | 10   |      |      |
| Tynemouth               | 992.8                                        | +4                | W      | 5     | bfr      | 47        | 75         | 8              | -                        | 0      | 0    | 0      | 995.7                 | -1                                           | WSW   | 5     | bv       | 38        | 85         | 7              | 4000                     | CuNb   | 6    | 6    |      |      |
| Blackad Point           |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 999.5                 | 0                                            | WNW   | 4     | OP       | 36        | 92         | 8              | -                        | 0      | ASr  | 10   |      |      |
| Donaghadee              |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 1005.5                |                                              | W     | 1     | be-      | 36        | 97         | 5              | 2500                     | Cu     | 4    | 4    |      |      |
| Kier Castle             |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 1004.5                | +2                                           | SW    | 5     | C        | 36        | 92         | 7              | 1500                     | St     | 8    | 8    |      |      |
| Baldonwell              | 1002.7                                       | +5                | SW     | 4     | be-      | 42        | 85         | 8              | 1500                     | Cu     | 3    | ASr    | 4                     |                                              |       |       |          | 36        | 92         | 7              | 1500                     | St     | 8    | 8    |      |      |
| Holyhead                | 1002.7                                       | +4                | W      | 6     | bfr      |           |            | 8              | 1500                     | Cu     | 2    | ASr    | 6                     |                                              |       |       |          | 43        | 85         | 8              | 1500                     | St     | 10   | 10   |      |      |
| Liverpool (Bidston)     |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 1000.6                | +1                                           | WSW   | 6     | OPR      | 42        | 85         | 7              | 1500                     | CuNb   | 10   | 10   |      |      |
| Chester (Shotwick)      |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 1002.0                | 0                                            | WSW   | 5     | O        | 42        | 75         | 8              | 800                      | St     | 9    | 9    |      |      |
| Howden                  |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 1010.0                | +3                                           | SW    | 4     | CPH      | 44        | 85         | 7              | 1500                     | St     | 2    | ASr  |      |      |
| Spurn Head              | 997.2                                        | -5                | SW     | 7     | b-       | 52        | 97         | 7              | 1500                     | St     | 1    | 1      | 1002.8                |                                              | W     | 4     | be-      | 45        | 85         | 6              | 800                      | CuNb   | 5    | 5    |      |      |
| Nottingham              |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 1003.0                | 0                                            | SWW   | 5     | C        | 43        | 85         | 8              | -                        | 0      | ASr  | 10   |      |      |
| Cranwell                | 1001.3                                       | -2                | SW'S   | 6     | C        | 53        | 85         | 8              | 2500                     | Cu     | 7    | 7      | 1003.0                | 0                                            | SWW   | 5     | C        | 43        | 85         | 8              | -                        | 0      | ASr  | 10   |      |      |
| Garlestone              | 1004.8                                       | -3                | WSW    | 6     | O        | 52        | 85         | 9              | 7250                     | St     | 10   | 10     | 1004.1                | 0                                            | WNW   | 4     | C        | 48        | 75         | 9              | 5750                     | St     | 3    | ASr  |      |      |
| Polham                  |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 1004.2                | -1                                           | W'S   | 4     | CPH      | 46        | 75         | 7              | -                        | 0      | ASr  | 10   |      |      |
| Pelham                  |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 1006.9                | 0                                            | WSW   | 4     | O        | 49        | 85         | 8              | 4000                     | St     | 10   | 10   |      |      |
| Felixstowe              |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 1011.5                | +4                                           | W     | 6     | OPR      | 44        | 75         | 8              | 2500                     | Nb     | 10   | 10   |      |      |
| Valencia (Cahiroveen)   | 1008.5                                       | 0                 | NW     | 6     | OPR      | 46        |            |                |                          |        |      |        | 1010.6                | +2                                           | W     | 4     | b        | 42        | 85         | 8              | -                        | 0      | ASr  | 10   |      |      |
| Roches Point            |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 1009.0                | +2                                           | W     | 7     | O        | 48        | 75         | 8              | 2500                     | Cu     | 9    | 9    |      |      |
| Pembroke (St. Ann's H.) | 1008.0                                       | +3                | WNW    | 6     | C        | 50        | 75         | 8              | 1500                     | St     | 8    | 8      | 1007.3                | +1                                           | W'S   | 5     | CV       | 45        | 75         | 9              | 2500                     | Cu     | 1    | 1    |      |      |
| Ross-on-Wye             |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 1007.0                | +1                                           | WSW   | 4     | C        | 46        | 75         | 8              | -                        | 0      | ASr  | 10   |      |      |
| Benson                  |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 1007.8                | +1                                           | W'S   | 4     | OPR      | 46        | 92         | 7              | 800                      | St     | 3    | 3    |      |      |
| S. Farnborough          |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 1007.0                | +1                                           | W     | 4     | O        | 49        | 75         | 8              | 2500                     | St     | 10   | 10   |      |      |
| London (Kew Obs.)       |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 1008.1                | +1                                           | WSW   | 5     | OPR      | 48        | 85         | 8              | 800                      | Nb     | 9    | ASr  |      |      |
| Croydon                 | 1006.3                                       | -4                | WSW    | 7     | OPR      | 53        | 85         | 8              | 800                      | Nb     | 10   | 10     | 1006.3                | +1                                           | WSW   | 5     | OPR      | 48        | 85         | 8              | 800                      | Nb     | 9    | ASr  |      |      |
| Glaughton-on-Sea        |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 1005.7                | +1                                           | W     | 3     | C        | 48        | 85         | 8              | 2500                     | Nb     | 8    | ASr  |      |      |
| Shoeburyness            |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 1006.3                | 0                                            | WSW   | 5     | be-      | 49        | 75         | 7              | 5750                     | St     | 3    | 10   |      |      |
| Grain                   |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 1006.7                | -1                                           | WSW   | 5     | OPR      | 48        | 75         | 8              | 2500                     | St     | 1    | ASr  |      |      |
| Lympne                  | 1009.0                                       | -3                | SW     | 7     | OPR      | 49        | 97         | 7              | 800                      | Nb     | 10   | 10     | 1007.9                | +1                                           | SW    | 5     | OPR      | 49        | 97         | 8              | 800                      | Nb     | 1    | 4    |      |      |
| Seilly (St. Mary's)     | 1012.1                                       | +1                | WNW    | 5     | be       | 52        | 85         | 8              | 4000                     | CuNb   | 6    | 6      | 1014.0                | +1                                           | WNW   | 7     | bfr      | 49        | 75         | 8              | 4000                     | CuNb   | 6    | 6    |      |      |
| Falmouth (Pendennis)    | 1011.2                                       | +2                | SW     | 5     | C        | 51        | 75         | 7              | 2500                     | St     | 7    | 7      | 1013.4                | +2                                           | WNW   | 5     | be       | 47        | 75         | 8              | 2500                     | Cu     | 4    | 1    |      |      |
| Plymouth                |                                              |                   |        |       |          |           |            |                |                          |        |      |        | 1012.2                | +3                                           | NW    | 7     | be       | 48        | 85         | 8              | 4000                     | St     | 1    | 10   |      |      |
| Portland Bill           | 1008.4                                       | -3                | SW'S   | 8     | OR       | 51        | 85         | 7              | 450                      | St     | 10   | 10     | 1008.4                | 0                                            | WN    | 8     | OPR      | 52        | 85         | 8              | 450                      | St     | 10   | 10   |      |      |
| Calshot                 | 1009.0                                       | -4                | SW     | 6     | OPR      | 53        | 92         | 7              | 800                      | Nb     | 10   | 10     | 1009.4                | 0                                            | WSW   | 5     | OPR      | 49        | 85         | 8              | 1500                     | Nb     | 10   | 10   |      |      |
| Dungeness               | 1010.0                                       | -2                | SSW    | 7     | OD       | 51        | 92         | 8              | 7250                     | St     | 10   | 10     | 1007.9                | -1                                           | SW    | 5     | OPR      | 50        | 97         | 7              | 800                      | St     | 10   | 10   |      |      |
| Jersey Th.              | 1013.0                                       | -4                | SSW    | 6     | OPR      | 52        | 85         | 8              | 4000                     | St     | 10   | 10     | 1014.8                | 0                                            | SW    | 4     | OPR      | 52        | 92         | 8              | 2500                     | St     | 10   | 10   |      |      |
| Guernsey Th.            |                                              |                   |        |       |          |           |            |                |                          |        |      |        |                       |                                              |       |       |          |           |            |                |                          |        |      |      |      |      |

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 19<sup>th</sup> December.

| STATIONS.      |     | WEATHER.   |             | TEMPERATURE. |                | RAINFALL†      |              | SUNSHINE.          |                    | STATIONS.           |     | WEATHER.   |             | TEMPERATURE. |                | RAINFALL†      |              | SUNSHINE.          |                    |
|----------------|-----|------------|-------------|--------------|----------------|----------------|--------------|--------------------|--------------------|---------------------|-----|------------|-------------|--------------|----------------|----------------|--------------|--------------------|--------------------|
|                |     | Fore-noon. | After-noon. | Max. Day °F. | Min. Night °F. | Night 12h-12h. | Day 12h-12h. | Sunrise to Sunset. | Sunrise to Sunset. |                     |     | Fore-noon. | After-noon. | Max. Day °F. | Min. Night °F. | Night 12h-12h. | Day 12h-12h. | Sunrise to Sunset. | Sunrise to Sunset. |
|                |     |            |             |              |                | mm.            | mm.          | hr.                | hr.                |                     |     |            |             |              |                | mm.            | mm.          | hr.                | hr.                |
| Banff          | ... | c          | c           | 51           | 36             | 2              | -            | 0.1                | 0.0                | Paignton            | ... | obcd       | adpg        | 54           | 49             | -              | 0.1          | 1.0                | 0.0                |
| Montrose       | ... | c          | c           | 51           | 37             | 1              | -            | 0.0                | 0.0                | Ilfracombe          | ... | od         | od          | 53           | 50             | 2              | 1            | 0.8                | 0.3                |
| Llandudno      | ... | cde        | c           | 56           | 50             | 0.2            | -            | 1.8                | 0.3                | Bude                | ... | d          | d           | 55           | 50             | 2              | 1            | 0.5                | 0.3                |
| Golwyn Bay     | ... | cbe        | bc          | 55           | 52             | -              | -            | 2.8                | 0.3                | Penzance            | ... | odc        | adm         | 54           | 50             | 1              | 0.4          | 1.9                | 0.5                |
| Rhyl           | ... | c          | c           | 54           | 48             | -              | -            | 0.3                | 0.3                | Torquay             | ... | cobc       | o           | 55           | 50             | 0.1            | 0.4          | 0.5                | 0.5                |
| Southport      | ... | bcc        | cbcc        | 53           | 48             | 0.1            | -            | 1.0                | 0.3                | Weymouth            | ... | cdo        | od          | 54           | 51             | 0.3            | 0.4          | 0.4                | 0.4                |
| Blackpool      | ... | o          | obc         | 51           | 41             | 5              | -            | 0.1                | 0.1                | Bournemouth         | ... | o          | o           | 52           | 50             | 0.3            | 0.3          | 0.7                | 0.4                |
| Harrogate      | ... | o          | o           | 52           | 43             | 0.1            | -            | 0.1                | 0.1                | Portsmouth (S'head) | ... | obc        | bc          | 52           | 50             | -              | -            | 1.1                | 0.6                |
| Skegness       | ... | o          | o           | 52           | 43             | 0.1            | -            | 0.1                | 0.1                | Worthing            | ... | od         | opo         | 52           | 50             | 0.2            | 0.3          | 0.6                | 0.2                |
| Aberystwyth    | ... | racb       | coo         | 52           | 49             | 2              | -            | 0.5                | 0.5                | Brighton            | ... | dody       | odoc        | 51           | 50             | 0.5            | 1            | 0.2                | 0.2                |
| Bath           | ... | o          | co          | 54           | 50             | -              | -            | 0.1                | 0.1                | Eastbourne          | ... | omco       | opo         | 52           | 49             | 0.4            | 0.5          | 0.1                | 0.1                |
| Leamington Spa | ... | o          | o           | 53           | 49             | -              | -            | 0.0                | 0.0                | Hastings            | ... | o          | o           | 55           | 50             | -              | -            | 0.0                | 0.0                |
| Lowestoft      | ... | om         | o           | 53           | 49             | -              | -            | 0.0                | 0.0                | Folkestone          | ... | o          | o           | 53           | 50             | -              | -            | 0.0                | 0.0                |
| Fellistowe     | ... | o          | o           | 51           | 47             | -              | -            | 0.0                | 0.0                | Tunbridge Wells     | ... | o          | o           | 51           | 48             | -              | -            | 0.0                | 0.0                |
| Southend       | ... | o          | o           | 51           | 47             | -              | -            | 0.0                | 0.0                | Ramsgate            | ... | o          | o           | 53           | 48             | -              | -            | 0.0                | 0.0                |
|                |     |            |             |              |                |                |              |                    |                    | Margate             | ... | o          | o           | 53           | 50             | -              | Trace        | 0.0                | 0.0                |
|                |     |            |             |              |                |                |              |                    |                    | Deal                | ... | co         | o           | 53           | 50             | -              | -            | 0.3                | 0.3                |
|                |     |            |             |              |                |                |              |                    |                    | Falmouth            | ... | omdocomp   | ...         | 53           | 50             | 1              | 0.3          | 0.3                | 0.3                |



# AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B21944

Wednesday, 21<sup>st</sup> December 1921.

Page 1.

| STATIONS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Observations at 1300 G.M.T. 20 <sup>th</sup> |                    |       |       |          |       |           |             |                      |        |      |       |                  |                    | Observations at 1800 G.M.T. 20 <sup>th</sup> |       |          |       |           |             |                      |        |       |      |      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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Barom. at M.S.L.                             | Change in 3 hours. | Wind. |       | Weather. | Temp. | Humidity. | Visibility. | Height of Low Cloud. | Cloud. |      |       | Barom. at M.S.L. | Change in 3 hours. | Wind.                                        |       | Weather. | Temp. | Humidity. | Visibility. | Height of Low Cloud. | Cloud. |       |      | Barom. at M.S.L. | Change in 3 hours. |      |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                    | Dir.  | Force |          |       |           |             |                      | Form.  | Amt. | Form. |                  |                    | Amt.                                         | Form. |          |       |           |             |                      | Amt.   | Form. | Amt. |                  |                    |      |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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            |                    | 0-12 | 0-10 |
| m.b.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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            |                    |      |      |
| Lerwick                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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            | 8                  | 8    |      |
| Stornoway                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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            | 6                  | 6    |      |
| Wick                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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            | 7                  | 7    |      |
| Caslebay                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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            | 8                  | 7    |      |
| Nairn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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            | 3                  | 3    |      |
| Aberdeen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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            | 0                  | 0    |      |
| Main Head                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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            | 10                 | 5    |      |
| Inchkeith                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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            | 10                 | 5    |      |
| Kildalemuir                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| Tynemouth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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            | 1                  | 1    |      |
| Blackhead Point                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| Donaghadee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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            | 6                  |      |      |
| Baldonnell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| Holyhead                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| Liverpool (Bidston)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| Chester (Shotwick)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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            | 1                  | 1    |      |
| Bowden                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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            | 5                  |      |      |
| Spurn Head                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| Nottingham                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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            | 7                  | 5    |      |
| Grimsby                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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            | 5                  |      |      |
| Grimsby                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| Peldeston                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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| Valencia (Chairoveen)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| Rock Point                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| Pembroke (St. Ann's H.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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            | 3                  | 6    |      |
| Rose-on-Wye                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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            | 5                  | 5    |      |
| London (Kew)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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            | 0                  | 1    |      |
| Croydon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| Chesham-on-Sea                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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            | 5                  | 0    |      |
| Shoeburyness                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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            | 0                  | 6    |      |
| Lyons                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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            | 1                  | 0    |      |
| Selly (St. Mary's)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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            | 4                  | 7    |      |
| Plymouth (Pendennis)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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            | 5                  | 1    |      |
| Plymouth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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            | 1                  | 0    |      |
| Portland Bill                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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            | 7                  |      |      |
| Calshot                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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            | 1                  | 0    |      |
| Portsmouth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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            | 4                  | 6    |      |
| Jersey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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            | 0                  | 3    |      |
| LONDON OBSERVATIONS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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            |                    |      |      |
| WEATHER. TEMPERATURE. RAIN-FALL. SUN-SHINE. HUMIDITY. ATMOSPHERIC POLLUTION. SOLAR RADIATION. POLE STAR RECORD AT GREENWICH OBS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| Morning. Afternoon. Night. Max. Min. Min. on Grass. Day. Night. To Sunset. To Day. 24 Hr. ended 1800 G.M.T. 20 <sup>th</sup> . During yesterday. Exposure from 20 <sup>th</sup> to 21 <sup>st</sup> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| 24 HOURS ENDED 0900 G.M.T. 21 <sup>st</sup> . YESTERDAY. TO-DAY. 24 Hr. ended 1800 G.M.T. 20 <sup>th</sup> . During yesterday. Exposure from 20 <sup>th</sup> to 21 <sup>st</sup> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| LONDON OBSERVATIONS.    |  | WEATHER.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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          |                          | RAIN-FALL.<br>mm. | SUN-SHINE.<br>To sunset<br>hrs. | HUMIDITY. |         | ATMOSPHERIC POLLUTION.<br>Lbs. of Solid impurity per<br>million cubic yards. | SOLE RADIATION.<br>Vertical component<br>per square<br>centimetre. | POLE STAR RECORD at<br>Greenwich Obsy. |                   |                |                                                                             |  |
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Min.<br>°F. | Min. on<br>Glass.<br>°F. |                   |                                 | Day.      | Night.  |                                                                              |                                                                    |                                        |                   | 10h.<br>G.M.T. | 9h.<br>G.M.T.                                                               |  |
| Row                     |  | 24 HOURS ENDED 0900 G.M.T. 21 <sup>st</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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          |                          |                   | YESTERDAY.                      |           | TO-DAY. |                                                                              | 24 Hr. ended 1800 G.M.T. 20 <sup>th</sup>                          |                                        | During yesterday. |                | Exposure from<br>20 <sup>th</sup> 17 h 9 m<br>to 21 <sup>st</sup> 6 h 45 m. |  |
| Croydon                 |  | 24 hours ended 0700                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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          |                          |                   | 4.6                             |           | .       |                                                                              | South Kensington                                                   |                                        | South Kensington. |                |                                                                             |  |
| Greenwich (Royal Obsy.) |  | b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b b 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     |             |                          |                   |                                 |           |         |                                                                              |                                                                    |                                        |                   |                |                                                                             |  |



| SUMMARIES FOR THE PAST 24 HOURS. |                                                                                                                                                                                       |          |          |        |              |             |               |              |                 |                      |                      |      | ISALLOBARS                                                                                                                                                                                                                                         |                                          | 21st December |                 |  |  |  |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|--------|--------------|-------------|---------------|--------------|-----------------|----------------------|----------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------|-----------------|--|--|--|
| STATIONS.                        | WEATHER.                                                                                                                                                                              |          |          |        | TEMPERATURE. |             |               | RAINFALL.    |                 |                      |                      | SUN. | POSITION NUMBERS                                                                                                                                                                                                                                   |                                          |               |                 |  |  |  |
|                                  | 7h-13h.                                                                                                                                                                               | 13h-19h. | 19h-24h. | 1h-7h. | MAX. Day.    | MIN. Night. | MIN. on GRAF. | Day. 7h-13h. | Night. 13h-19h. | Precipitation began. | Precipitation began. |      | Hours.                                                                                                                                                                                                                                             | Barometric Change 24h to 7h. (Half inch) |               |                 |  |  |  |
| Lerwick                          | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 40           | 36          | .             | 5            | 8               | 20800                | 22100                | .    |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Stornoway                        | p                                                                                                                                                                                     | b        | b        | p      | 42           | 36          | .             | 3            | 8               | 20800                | 22100                | 0.2  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Wick                             | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 42           | 34          | .             | 0.4          | 1               | 20800                | 22100                | 0.0  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Castlebay                        | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 43           | 43          | .             | 1            | 5               | 20800                | 22100                | 0.0  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Nairn                            | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 40           | 35          | .             | 2            | 4               | 20800                | 2400                 | 0.0  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Aberdeen                         | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 41           | 36          | 28            | Trace        | 1               | 1100                 | 5.30                 | 2.9  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Malin Head                       | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 45           | 42          | .             | 1            | 6               | 20800                | 22100                | 1.2  | Observations from Cross Channel Steamers.                                                                                                                                                                                                          |                                          |               |                 |  |  |  |
| Renfrew                          | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 42           | 37          | 35            | 2            | 7               | 20800                | 22100                | 0.0  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Inchkeith                        | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 41           | 37          | 36            | 1            | 1               | 20800                | 22100                | 0.0  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Edinburgh                        | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 37           | 35          | 32            | 10           | 8               | 20800                | 22100                | 0.1  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Tynemouth                        | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 40           | 37          | .             | 1            | .               | 0900                 | .                    | .    |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Blackad Point                    | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 41           | 39          | .             | 0.6          | 0.4             | 20800                | 22100                | .    |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Donaghadee                       | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 44           | 42          | 40            | 1            | 0.2             | 20800                | 22100                | 2.6  | GENERAL INFERENCE.                                                                                                                                                                                                                                 |                                          |               |                 |  |  |  |
| Birr Castle                      | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 42           | 40          | 37            | .            | 0.3             | .                    | 22100                | 4.3  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Baldonnell                       | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 42           | 45          | 42            | 0.2          | .               | .                    | .                    | 1.6  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Polkhead                         | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 42           | 42          | 40            | 0.4          | .               | 1430                 | .                    | 3.0  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Liverpool (Bidston)              | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 46           | 45          | .             | Trace        | Trace           | 0900                 | 22100                | .    |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Chester (Shutwick)               | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 46           | 45          | .             | Trace        | Trace           | 0900                 | 22100                | .    |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Howden                           | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 49           | 36          | .             | 1            | 0.2             | 1330                 | 2.30                 | 2.8  | A secondary depression is approaching Scotland and a new depression is indicated Westward of Ireland. Strong Westerly winds and very unsettled weather are probable with a moderate temperature in Scotland but unseasonable warmth further South. |                                          |               |                 |  |  |  |
| Spurn Head                       | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 45           | 41          | 37            | .            | .               | .                    | .                    | 4.9  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Nottingham                       | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 44           | 39          | 34            | 0.6          | .               | 1630                 | .                    | 5.1  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Cranwell                         | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 49           | 41          | 37            | .            | .               | .                    | .                    | 5.2  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Gorleston                        | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 48           | 41          | 37            | .            | .               | .                    | .                    | 5.3  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Fulham                           | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 50           | 41          | 39            | .            | .               | .                    | .                    | 5.0  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Felixstowe                       | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 50           | 41          | 39            | .            | .               | .                    | .                    | 5.0  | Further Outlook                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Valencia (Cahiriveen)            | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 50           | 49          | 46            | 1            | 0.4             | 20800                | 22100                | 1.4  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Roches Point                     | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 49           | 45          | .             | .            | 0.1             | .                    | 1.30                 | .    |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Pembroke (St. Ann's H.)          | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 48           | 45          | .             | 0.4          | 0.3             | 1430                 | 3.30                 | 4.5  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Ross-on-Wye                      | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 47           | 43          | 37            | Trace        | .               | 1630                 | .                    | 5.0  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Benson                           | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 47           | 40          | 32            | Trace        | .               | 20800                | .                    | .    |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| S. Farnborough                   | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 49           | 39          | 35            | Trace        | .               | 12.30                | .                    | 6.2  | Westerly winds and mild unsettled weather.                                                                                                                                                                                                         |                                          |               |                 |  |  |  |
| London (New Obs.)                | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 49           | 42          | 38            | .            | .               | .                    | .                    | 4.6  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Croydon                          | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 48           | 39          | 36            | Trace        | .               | 20800                | .                    | 6.3  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Olveston-on-Sea                  | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 48           | 41          | 37            | .            | .               | .                    | .                    | 6.2  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Shoeburyness                     | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 51           | 41          | 37            | .            | .               | .                    | .                    | 5.4  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Grain                            | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 50           | 42          | 35            | .            | .               | .                    | .                    | 5.5  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Lymington                        | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 49           | 38          | 37            | Trace        | .               | 20800                | .                    | 5.5  | South Coast Flying all Coast.                                                                                                                                                                                                                      |                                          |               |                 |  |  |  |
| Scilly (St. Mary's)              | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 51           | 49          | .             | 1            | 0.2             | 20800                | 22100                | 4.5  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Falmouth (Penderon)              | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 51           | 45          | .             | Trace        | .               | 1230                 | .                    | 4.7  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Plymouth                         | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 49           | 46          | .             | 1            | .               | .                    | .                    | 4.3  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Portland Bill                    | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 54           | 47          | .             | .            | .               | .                    | .                    | 6.0  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Calshot                          | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 50           | 43          | 40            | Trace        | .               | 20800                | .                    | 6.0  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Dunquess                         | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 51           | 44          | .             | 0.6          | .               | 20800                | .                    | .    | Forecast for the 24 hours commencing 15h.G.M.T. Wednesday, 21st December, 1921.                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Jersey                           | h.w.rh                                                                                                                                                                                | p        | b        | h.w.rh | 54           | 48          | .             | 1            | 1               | 0900                 | 3.30                 | 3.8  |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| Districts.                       |                                                                                                                                                                                       |          |          |        |              |             |               |              |                 |                      |                      |      |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| 1. S.E. England                  | Strong Westerly winds, a gale in exposed places; much low cloud, but bright intervals; some showers; visibility fair; very mild.                                                      |          |          |        |              |             |               |              |                 |                      |                      |      |                                                                                                                                                                                                                                                    |                                          |               | Further Outlook |  |  |  |
| 2. E. England                    |                                                                                                                                                                                       |          |          |        |              |             |               |              |                 |                      |                      |      |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| 3. E. Midlands                   |                                                                                                                                                                                       |          |          |        |              |             |               |              |                 |                      |                      |      |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| 4. W. Midlands                   |                                                                                                                                                                                       |          |          |        |              |             |               |              |                 |                      |                      |      |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| 5. S.W. England                  |                                                                                                                                                                                       |          |          |        |              |             |               |              |                 |                      |                      |      |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| 6. South Wales                   |                                                                                                                                                                                       |          |          |        |              |             |               |              |                 |                      |                      |      |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| 7. North Wales                   | Wind from some Westerly point, strong to a gale at times; much low cloud, rain or hail showers, some bright intervals; visibility mainly good; moderate temperature, becoming milder. |          |          |        |              |             |               |              |                 |                      |                      |      |                                                                                                                                                                                                                                                    |                                          |               | Further Outlook |  |  |  |
| 8. N.W. England                  |                                                                                                                                                                                       |          |          |        |              |             |               |              |                 |                      |                      |      |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| 9. N. Midlands                   |                                                                                                                                                                                       |          |          |        |              |             |               |              |                 |                      |                      |      |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| 10. N.E. England                 |                                                                                                                                                                                       |          |          |        |              |             |               |              |                 |                      |                      |      |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| 11. E. Scotland                  |                                                                                                                                                                                       |          |          |        |              |             |               |              |                 |                      |                      |      |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| 12. S.W. Scotland                |                                                                                                                                                                                       |          |          |        |              |             |               |              |                 |                      |                      |      |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |
| 13. Isle of Man                  | Strong West to South-West winds; much low cloud, intermittent rain or drizzle; visibility indifferent to fair; very mild.                                                             |          |          |        |              |             |               |              |                 |                      |                      |      |                                                                                                                                                                                                                                                    |                                          |               | Further Outlook |  |  |  |
| 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                 |                                                                                                                                                                                       |          |          |        |              |             |               |              |                 |                      |                      |      |                                                                                                                                                                                                                                                    |                                          |               |                 |  |  |  |

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

Forecasts issued at 09.45.

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







## AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Page 4.

BRITISH SECTION Wednesday, 21<sup>st</sup> December 1921.

No. 355...

| STATIONS.                   | Observations at 0100 G.M.T. 21 <sup>st</sup> |                    |        |       |          |           |             |                 |                           |        |      |             |      | Observations at 0700 G.M.T. 21 <sup>st</sup> |                    |       |        |          |           |             |                 |                           |        |       |      |             |      |
|-----------------------------|----------------------------------------------|--------------------|--------|-------|----------|-----------|-------------|-----------------|---------------------------|--------|------|-------------|------|----------------------------------------------|--------------------|-------|--------|----------|-----------|-------------|-----------------|---------------------------|--------|-------|------|-------------|------|
|                             | Barom. at M.S.L. m.b.                        | Change in 3 hours. | Wind.  |       | Weather. | Temp. °F. | Humidity. % | Visibility. 0-9 | Height of Low Cloud. Feet | Cloud. |      |             | Sec. | Barom. at M.S.L. m.b.                        | Change in 3 hours. | Wind. |        | Weather. | Temp. °F. | Humidity. % | Visibility. 0-9 | Height of Low Cloud. Feet | Cloud. |       |      |             |      |
|                             |                                              |                    | Direc. | Force |          |           |             |                 |                           | Form.  | Amt. | Total Form. |      |                                              |                    | Amt.  | Direc. |          |           |             |                 |                           | Force  | Form. | Amt. | Total Form. | Amt. |
|                             |                                              |                    |        |       |          |           |             |                 |                           |        |      |             |      |                                              |                    |       |        |          |           |             |                 |                           |        |       |      |             |      |
| Lerwick ...                 | 981.6                                        | +9                 | W      | 8     | bclg     | 41        | 78          | 6               | -                         | CuNB   | 5    | -           | 5    | 985.5                                        | +2                 | W     | 7      | bclg     | 39        | 85          | 6               | -                         | Cu     | 5     | -    | 5           |      |
| Scornoway ...               | 994.0                                        | 0                  | WSW    | 1     | b-       | -         | -           | 7               | -                         | -      | -    | -           | -    | 983.7                                        | -9                 | -     | 0      | org      | 44        | 97          | 5               | 450                       | St     | 10    | -    | 10          |      |
| Wick ...                    | 990.0                                        | +1                 | WNW    | 3     | bfr      | 36        | 92          | 9               | 2500                      | CuNB   | 2    | Ci          | 3    | 987.6                                        | -5                 | SW    | 3      | org      | 38        | 97          | 8               | 800                       | St     | 10    | -    | 10          |      |
| Castellary ...              | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | 984.6                                        | -1                 | W     | 4      | org      | 52        | 97          | 7               | 1500                      | St     | 10    | -    | 10          |      |
| Nairn ...                   | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | 986.2                                        | -                  | -     | 0      | org      | 39        | 97          | 8               | 1500                      | Nb     | 5     | -    | 5           |      |
| Aberdeen ...                | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | 989.8                                        | -6                 | SSW   | 2      | org      | 39        | 92          | 6               | 4000                      | Nb     | 10    | -    | 10          |      |
| Malin Head ...              | 997.7                                        | 0                  | WSW    | 4     | org      | 51        | 97          | 8               | 4000                      | Nb     | 10   | -           | 10   | 996.0                                        | -2                 | SW    | 5      | org      | 52        | 97          | 8               | 4000                      | St     | 10    | -    | 10          |      |
| Renfrew ...                 | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | 995.5                                        | -5                 | WSW   | 6      | org      | 52        | 85          | 6               | 1500                      | Nb     | 10    | -    | 10          |      |
| Inchkeith ...               | 994.3                                        | -2                 | WSW    | 5     | org      | 43        | 92          | 9               | -                         | Nb     | 10   | -           | 10   | 989.8                                        | -3                 | WSW   | 6      | org      | 50        | 85          | 9               | -                         | Nb     | 10    | -    | 10          |      |
| Eskdalemuir ...             | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | 993.0                                        | -1                 | SW    | 6      | org      | 48        | 92          | 6               | 800                       | Nb     | 10    | -    | 10          |      |
| Tynemouth ...               | 1000.4                                       | -2                 | W      | 1     | 0        | 45        | 75          | 7               | -                         | -      | 0    | ASr         | 10   | 997.4                                        | -3                 | W     | 5      | b-       | 52        | 75          | 7               | 4000                      | St     | 2     | -    | 2           |      |
| Blackod Point ...           | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | -                                            | -                  | -     | -      | -        | -         | -           | -               | -                         | -      | -     | -    |             |      |
| Donaghadee ...              | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | 1000.6                                       | -2                 | W     | 4      | b-       | 51        | 85          | 8               | 5750                      | St     | 2     | ACu  | 3           |      |
| Birr Castle ...             | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | 1008.1                                       | -                  | SW    | 3      | org      | 51        | 92          | 3               | 2500                      | Nb     | 9     | ASr  | 10          |      |
| Baldonnell ...              | 1008.2                                       | +3                 | SSW    | 7     | org      | 47        | 92          | 6               | 800                       | Nb     | 10   | -           | 10   | 1006.6                                       | -1                 | SW    | 7      | 0        | 50        | 85          | 7               | 1500                      | St     | 9     | ASr  | 10          |      |
| Holyhead ...                | 1009.0                                       | -2                 | WSW    | 6     | org      | -         | -           | 8               | 2500                      | St     | 10   | -           | 10   | 1008.0                                       | -1                 | SW    | 6      | 0        | 51        | 92          | 7               | 2500                      | St     | 10    | -    | 10          |      |
| Liverpool (Bidston) ...     | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | 1005.9                                       | +1                 | WSW   | 7      | 0        | 52        | 75          | 7               | 1500                      | CuNB   | 10    | -    | 10          |      |
| Chester (Shotwick) ...      | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | 1006.7                                       | -1                 | WSW   | 4      | org      | 52        | 75          | 7               | 2500                      | St     | 10    | -    | 10          |      |
| Howden ...                  | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | -                                            | -                  | -     | -      | -        | -         | -           | -               | -                         | -      | -     | -    |             |      |
| Spurn Head ...              | 1005.7                                       | -1                 | SW     | 6     | b-       | 43        | 88          | 7               | 1500                      | St     | 5    | -           | 5    | 1004.2                                       | 0                  | SW    | 5      | 0        | 49        | 85          | 7               | 4000                      | St     | 10    | -    | 10          |      |
| Nottingham ...              | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | 1007.7                                       | -                  | W     | 5      | org      | 51        | 85          | 5               | 800                       | -      | -     | -    | -           |      |
| Cranwell ...                | 1009.6                                       | 0                  | SW     | 5     | 0        | 44        | 75          | 8               | 2500                      | St     | 10   | -           | 10   | 1007.3                                       | -2                 | WSW   | 6      | 0        | 50        | 75          | 8               | 2500                      | St     | 10    | -    | 10          |      |
| Gorleston ...               | 1011.2                                       | +2                 | WSW    | 5     | org      | 42        | 75          | 8               | 4000                      | CuNB   | 10   | -           | 10   | 1009.7                                       | -2                 | WSW   | 5      | 0        | 47        | 75          | 8               | 7250                      | St     | 10    | -    | 10          |      |
| Pulham ...                  | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | 1010.2                                       | 0                  | SW    | 5      | 0        | 48        | 85          | 7               | 4000                      | St     | 10    | -    | 10          |      |
| Felixstowe ...              | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | 1013.7                                       | -1                 | SWW   | 5      | 0        | 47        | 85          | 8               | 1500                      | St     | 10    | -    | 10          |      |
| Valencia (Cahirciveen) ...  | 1012.8                                       | -2                 | W      | 5     | C        | 52        | 75          | 5               | -                         | St     | 8    | -           | 8    | 1012.2                                       | -2                 | SWW   | 5      | org      | 52        | 85          | 6               | 450                       | St     | 9     | ASr  | 10          |      |
| Roches Point ...            | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | 1014.7                                       | -1                 | W     | 4      | b        | 50        | 92          | 8               | -                         | -      | -     | -    | -           |      |
| Pembroke (St. Ann's H.) ... | 1015.3                                       | -1                 | WSW    | 7     | C        | 51        | 88          | 9               | 2500                      | Nb     | 8    | -           | 8    | 1013.9                                       | -1                 | WSW   | 7      | org      | 52        | 85          | 8               | 2500                      | Cu     | 5     | ASr  | 10          |      |
| Yox-on-Wye ...              | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | 1012.7                                       | -2                 | WSW   | 6      | org      | 50        | 85          | 9               | 2500                      | Nb     | 10    | -    | 10          |      |
| Benson ...                  | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | 1013.3                                       | -2                 | WSW   | 5      | 0        | 47        | 85          | 8               | -                         | Cu     | 9     | -    | 9           |      |
| S. Farnborough ...          | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | 1015.0                                       | -1                 | WSW   | 5      | 0        | 47        | 85          | 8               | 2500                      | St     | 10    | -    | 10          |      |
| London (Kew Obsy.) ...      | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | 1014.6                                       | -2                 | WSW   | 5      | 0        | 48        | 75          | 8               | 2500                      | Nb     | 9     | ASr  | 10          |      |
| Croydon ...                 | 1016.8                                       | 0                  | WS     | 6     | b-       | 42        | 83          | 8               | -                         | -      | 0    | CuSt        | 4    | 1015.4                                       | -1                 | WS    | 6      | org      | 48        | 75          | 8               | 2500                      | St     | 8     | ASr  | 10          |      |
| Clacton-on-Sea ...          | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | 1012.6                                       | -2                 | SW    | 5      | b-       | 47        | 85          | 8               | 7250                      | St     | 3     | ASr  | 10          |      |
| Shoeburyness ...            | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | 1014.1                                       | -1                 | WSW   | 7      | C        | 48        | 85          | 8               | 2500                      | St     | 10    | -    | 10          |      |
| Grain ...                   | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | 1014.5                                       | 0                  | SW    | 5      | 0        | 48        | 75          | 8               | 2500                      | St     | 6     | ACu  | 10          |      |
| Lympne ...                  | 1017.4                                       | 0                  | WNW    | 4     | b-       | 40        | 92          | 8               | -                         | -      | 0    | ACu         | 5    | 1015.8                                       | 0                  | WN    | 5      | org      | 46        | 92          | 8               | 5750                      | St     | 10    | -    | 10          |      |
| Seilly (St. Mary's) ...     | 1020.9                                       | 0                  | W      | 7     | b-       | 50        | 75          | 8               | 4000                      | CuNB   | 3    | -           | 3    | 1019.7                                       | -1                 | W     | 6      | C-       | 51        | 85          | 8               | 4000                      | St     | 10    | -    | 10          |      |
| Falmouth (Pendennis) ...    | 1020.2                                       | +2                 | W      | 4     | bclg     | 48        | 75          | 7               | 5750                      | Cu     | 6    | -           | 6    | 1018.4                                       | +2                 | W     | 5      | C        | 49        | 85          | 7               | 5750                      | Cu     | 8     | -    | 8           |      |
| Plymouth ...                | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | 1018.6                                       | -2                 | W     | 4      | C        | 50        | 92          | 3               | 1500                      | St     | 8     | CuSt | 10          |      |
| Portland Bill ...           | 1018.6                                       | 0                  | W      | 6     | b-       | 47        | 85          | 8               | 1500                      | St     | 5    | -           | 5    | 1016.9                                       | +3                 | WS    | 7      | b-       | 50        | 85          | 8               | -                         | -      | -     | -    | -           |      |
| Calshot ...                 | 1017.8                                       | 0                  | WSW    | 4     | b        | 47        | 85          | 8               | -                         | -      | 0    | CuSt        | 2    | 1016.6                                       | -1                 | WSW   | 4      | C+       | 48        | 85          | 8               | 4000                      | St     | 3     | ACu  | 10          |      |
| Dungeness ...               | 1016.9                                       | +2                 | W      | 5     | b-       | 47        | 75          | 9               | -                         | -      | 0    | ACu         | 5    | 1015.7                                       | 0                  | W     | 5      | CW       | 50        | 75          | 8               | -                         | Nb     | 10    | -    | 10          |      |
| Jersey (Th.) ...            | 1022.2                                       | +1                 | W      | 4     | bclg     | 45        | 75          | 8               | -                         | CuNB   | 8    | -           | 8    | 1021.5                                       | 0                  | WN    | 5      | org      | 49        | 92          | 8               | 1500                      | Nb     | -     | -    | -           |      |
| Guernsey (St. Peter) ...    | -                                            | -                  | -      | -     | -        | -         | -           | -               | -                         | -      | -    | -           | -    | -                                            | -                  | -     | -      | -        | -         | -           | -               | -                         | -      | -     | -    |             |      |

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 20<sup>th</sup> December.

| STATIONS.      | WEATHER.  |            | TEMPERATURE. |                | RAINFALL.     |             | SUNSHINE.          |                    | STATIONS.           | WEATHER.  |            | TEMPERATURE. |                | RAINFALL.     |             | Sunrise to Sunset. |
|----------------|-----------|------------|--------------|----------------|---------------|-------------|--------------------|--------------------|---------------------|-----------|------------|--------------|----------------|---------------|-------------|--------------------|
|                | Forenoon. | Afternoon. | Max. Day of. | Min. Night of. | Night 12h-2h. | Day 2h-12h. | Sunrise to Sunset. | Sunrise to Sunset. |                     | Forenoon. | Afternoon. | Max. Day of. | Min. Night of. | Night 12h-2h. | Day 2h-12h. |                    |
|                |           |            |              |                | in.           | in.         |                    |                    |                     |           |            |              |                | hr.           | hr. |  | in. | in. |
| Banff          | spg       | cbe        | 39           | 35             | 3             | 2           | 1.0                |                    | Paignton            | bcb       | bcb        | 51           | 44             | 1             | 1           | 5.4                |
| Montrose       | cbe       | c          | 40           | 35             | 0.6           | -           | 4.2                |                    | Ilfracombe          | b         | b          | 50           | 46             | 1             | 0.3         | 3.8                |
| Llandudno      | cbe       | c          | 46           | 41             | 3             | -           | 1.8                |                    | Bude                | rcb       | b          | 50           | 45             | 1             | -           | 3.8                |
| Golwyn Bay     | cbe       | bce        | 45           | 40             | 4             | -           | 2.4                |                    | Penzance            | b         | b          | 51           | 46             | 1             | 0.4         | 5.1                |
| Rhyl           | cbe       | bce        | 55           | 40             | 2             | 0.2         | 3.1                |                    | Torquay             | b         | b          | 52           | 45             | 1             | -           | -                  |
| Southport      | chg       | chg        | 46           | 42             | 0.5           | 1.7         | 1.0                |                    | Weymouth            | qbe       | qbe        | 51           | 45             | 5             | -           | 6.1                |
| Blackpool      | cph       | b          | 45           | 42             | 0.4           | 0.2         | 3.0                |                    | Bournemouth         | b         | b          | 44           | 44             | 2             | -           | 5.8                |
| Harrogate      | qph       | qph        | 40           | 34             | 2             | 2           | 2.0                |                    | Portsmouth (Sithen) | bbe       | bbe        | 51           | 49             | 2             | -           | 5.5                |
| Skewness       | cob       | b          | 45           | 38             | -             | -           | 4.6                |                    | Worthing            | b         | b          | 49           | 46             | 4             | -           | 5.1                |
| Aberystwyth    | rcb       | cob        | 48           | 44             | 1             | -           | 2.3                |                    | Brighton            | b         | b          | 49           | 46             | 4             | -           | 5.8                |
| Bath           | b         | b          | 49           | 44             | 2             | -           | 4.9                |                    | Eastbourne          | b         | b          | 50           | 49             | 3             | -           | 5.3                |
| Leamington Spa | bbe       | bbe        | 46           | 41             | -             | -           | 5.1                |                    | Hastings            | ocbe      | bbe        | 49           | 48             | 2             | -           | 5.5                |
| Lowestoft      | bbe       | bbe        | 53           | 42             | 0.2           | -           | 5.5                |                    | Folkestone          | b         | b          | 47           | 43             | 3             | -           | 5.1                |
| Felixstowe     | b         | b          | 48           | 47             | -             | -           | 5.3                |                    | Tunbridge Wells     | b         | b          | 48           | 44             | 2             | -           | 5.0                |
| Southend       | bbe       | b          | 48           | 44             | -             | -           | 4.6                |                    | Ramsgate            | b         | b          | 50           | 45             | -             | -           | 5.7                |
|                |           |            |              |                |               |             |                    |                    | Margate             | ocb       | b          | 51           | 46             | 4             | -           | 4.5                |
|                |           |            |              |                |               |             |                    |                    | Deal                |           |            |              |                |               |             |                    |
|                |           |            |              |                |               |             |                    |                    | Falmouth            | bcb       | cmq        | 52           | 46             | 1             | 0.3         |                    |



# AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B.21945

THURSDAY 22<sup>ND</sup> DECEMBER 1921.

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| STATIONS. | Observations at 1800 G.M.T. 21 <sup>ST</sup> |                    |       |       |          |           |             |                   |                           |        |      |      |                  | Observations at 1800 G.M.T. 21 <sup>ST</sup> |       |       |          |           |             |                   |                           |        |       |       |                  |                    |      |
|-----------|----------------------------------------------|--------------------|-------|-------|----------|-----------|-------------|-------------------|---------------------------|--------|------|------|------------------|----------------------------------------------|-------|-------|----------|-----------|-------------|-------------------|---------------------------|--------|-------|-------|------------------|--------------------|------|
|           | Barom. at M.S.L.                             | Change in 3 Hours. | Wind. |       | Weather. | Temp. °F. | Humidity. % | Visibility. Miles | Height of Low Cloud. Feet | Cloud. |      |      | Barom. at M.S.L. | Change in 3 Hours.                           | Wind. |       | Weather. | Temp. °F. | Humidity. % | Visibility. Miles | Height of Low Cloud. Feet | Cloud. |       |       | Barom. at M.S.L. | Change in 3 Hours. |      |
|           |                                              |                    | Dir.  | Force |          |           |             |                   |                           | Form.  | Amt. | Dir. |                  |                                              | Force | Form. |          |           |             |                   |                           | Amt.   |       |       |                  |                    |      |
|           |                                              |                    |       |       |          |           |             |                   |                           |        |      |      |                  |                                              |       |       |          |           |             |                   |                           |        | 0-10  | 10-10 |                  |                    | 0-10 |
| Barnes    | 985.7                                        | 0                  | W'S   | 3     | 0/r      | 40        | 85          | 7                 | 1500                      | Nb     | 7    | ASr  | 9                | 985.5                                        | 0     | W'S   | 2        | 0/r       | 37          | 75                | 7                         | 1250   | St.Cu | 4     | -                | 4                  | 1    |
| Barnes    | 985.7                                        | 0                  | W     | 4     | 0/r      | 46        | 85          | 7                 | 800                       | St     | 10   | -    | 10               | 985.7                                        | +2    | W     | 3        | 0/r       | 42          | 92                | 8                         | 4000   | Nb    | 6     | -                | 6                  | 2    |
| Barnes    | 986.3                                        | +3                 | W     | 4     | 0/r      | 44        | 91          | 8                 | 1500                      | CuNb   | 3    | C    | 8                | 986.6                                        | +6    | W'S   | 1        | 0/r       | 41          | 97                | 9                         | 4000   | CuNb  | 5     | ASr              | 7                  | 6    |
| Barnes    | 993.5                                        | +1                 | W'S   | 4     | 0/r      | 49        | 85          | 6                 | 1500                      | St     | 10   | -    | 10               | 993.2                                        | 0     | W'S   | 5        | 0/r       | 48          | 92                | 5                         | 800    | Nb    | 10    | -                | 10                 | 6    |
| Barnes    | 989.5                                        | +3                 | W'S   | 5     | 0/r      | 51        | 65          | 8                 | -                         | -      | 0    | ASr  | 2                | 991.7                                        | +6    | -     | 0        | 0/r       | 44          | 85                | 8                         | 2500   | Nb    | 8     | -                | 8                  | 0    |
| Barnes    | 996.2                                        | 0                  | SW    | 5     | 0/r      | 53        | 97          | 6                 | 4000                      | Nb     | 10   | -    | 10               | 995.7                                        | 0     | SW    | 4        | 0/r       | 51          | 97                | 6                         | 4000   | St.Cu | 10    | -                | 10                 | 5    |
| Barnes    | 996.5                                        | +2                 | SW    | 4     | 0/r      | 50        | 85          | 6                 | 1500                      | Nb     | 10   | -    | 10               | 997.4                                        | +1    | W     | 1        | 0/r       | 47          | 92                | 7                         | 1500   | St.Cu | 7     | ASr              | 10                 | 4    |
| Barnes    | 993.1                                        | +2                 | W'S   | 6     | 0/r      | 48        | 97          | 5                 | -                         | Nb     | 10   | -    | 10               | 996.1                                        | +1    | W'S   | 4        | 0/r       | 45          | 97                | 9                         | -      | CuNb  | T     | -                | 7                  | 4    |
| Barnes    | 993.0                                        | +2                 | SW'S  | 6     | 0/r      | 42        | 92          | 6                 | 800                       | Nb     | 10   | -    | 10               | 998.7                                        | 0     | SW'S  | 6        | 0/r       | 48          | 92                | 5                         | 800    | Nb    | 10    | -                | 10                 | 0    |
| Barnes    | 996.1                                        | -1                 | W'S   | 6     | 0/r      | 54        | 75          | 7                 | 4000                      | St     | 2    | C.C. | 4                | 998.1                                        | +2    | W     | 3        | 0/r       | 52          | 85                | 7                         | -      | -     | 0     | -                | 0                  | 3    |
| Barnes    | 1000.4                                       | -3                 | SW    | 7     | 0/r      | 52        | 92          | 6                 | 450                       | Nb     | 10   | -    | 10               | 1000.0                                       | 0     | W'S   | 4        | 0/r       | 52          | 85                | 8                         | 2500   | St    | 9     | -                | 9                  | 4    |
| Barnes    | 1004.4                                       | +2                 | W'S   | 4     | 0/r      | 52        | 85          | 8                 | 5750                      | St.Cu  | 10   | -    | 10               | 1000.0                                       | 0     | W'S   | 4        | 0/r       | 52          | 85                | 6                         | 1500   | Nb    | 9     | -                | 10                 | 0    |
| Barnes    | 1001.5                                       | 0                  | SW    | 3     | 0/r      | 52        | 92          | 6                 | 4000                      | St.Cu  | 6    | A.C. | 8                | 1005.0                                       | -1    | SW    | 4        | 0/r       | 51          | 85                | 8                         | 1500   | St    | 1     | ASr              | 2                  | 0    |
| Barnes    | 1001.0                                       | -1                 | SW    | 7     | 0/r      | 51        | 85          | 8                 | 1500                      | St.Cu  | 10   | -    | 10               | 1004.7                                       | -1    | SW    | 6        | 0/r       | 51          | 85                | 8                         | 1500   | St    | 10    | -                | 10                 | 4    |
| Barnes    | 1007.3                                       | -2                 | SW'S  | 5     | 0/r      | 52        | 92          | 8                 | 1500                      | St.Cu  | 8    | ASr  | 10               | 1007.6                                       | -1    | SW    | 5        | 0/r       | 52          | 92                | 8                         | 1500   | St.Cu | 10    | -                | 10                 | 6    |
| Barnes    | 1006.4                                       | -1                 | W'S   | 6     | 0/r      | 54        | 65          | 7                 | 1500                      | St.Cu  | 8    | -    | 8                | 1006.1                                       | 0     | SW    | 5        | 0/r       | 51          | 75                | 7                         | 2500   | Nb    | 10    | -                | 10                 | 0    |
| Barnes    | 1007.2                                       | -1                 | SW    | 4     | 0/r      | 55        | 65          | 9                 | 800                       | St     | 10   | -    | 10               | 1006.8                                       | 0     | SSE   | 2        | 0/r       | 53          | 65                | 8                         | 1500   | St    | 10    | -                | 10                 | 0    |
| Barnes    | 1004.2                                       | 0                  | W'S   | 5     | 0/r      | 52        | 85          | 7                 | 4000                      | St.Cu  | 8    | -    | 8                | 1004.2                                       | 0     | W'S   | 6        | 0/r       | 51          | 75                | 7                         | -      | -     | 0     | A.C.             | 2                  | 4    |
| Barnes    | 1007.2                                       | 0                  | W'S   | 6     | 0/r      | 53        | 75          | 8                 | 800                       | CuNb   | 7    | C.Sr | 10               | 1007.8                                       | -1    | W'S   | 4        | 0/r       | 51          | 85                | 6                         | 800    | CuNb  | 6     | C.Sr             | 10                 | 0    |
| Barnes    | 1008.0                                       | 0                  | W'S   | 6     | 0/r      | 53        | 75          | 8                 | 1500                      | St.Cu  | 4    | A.C. | 8                | 1008.3                                       | +2    | SW    | 5        | 0/r       | 51          | 85                | 8                         | 1500   | Nb    | 10    | -                | 10                 | 0    |
| Barnes    | 1009.7                                       | 0                  | W'S   | 5     | 0/r      | 52        | 75          | 8                 | 7150                      | St.Cu  | 8    | -    | 8                | 1009.9                                       | 0     | W'S   | 5        | 0/r       | 51          | 75                | 8                         | -      | -     | 0     | ASr              | 9                  | 4    |
| Barnes    | 1009.0                                       | -2                 | SW    | 6     | 0/r      | 53        | 75          | 7                 | 4000                      | St.Cu  | 8    | ASr  | 10               | 1010.3                                       | 0     | SW    | 5        | 0/r       | 51          | 75                | 7                         | 2500   | St.Cu | 8     | -                | 8                  | 0    |
| Barnes    | 1013.2                                       | -2                 | W'S   | 5     | 0/r      | 51        | 85          | 8                 | 1500                      | St.Cu  | 9    | ASr  | 10               | 1013.6                                       | +2    | SW'S  | 4        | 0/r       | 50          | 85                | 8                         | 1500   | St.Cu | 10    | -                | 10                 | 2    |
| Barnes    | 1010.1                                       | -3                 | SW'S  | 5     | 0/r      | 53        | 85          | 8                 | 1500                      | St     | 10   | -    | 10               | 1007.5                                       | -3    | SW    | 6        | 0/r       | 53          | 85                | 7                         | 1500   | St    | 6     | ASr              | 10                 | 6    |
| Barnes    | 1012.7                                       | -2                 | W     | 5     | 0/r      | 52        | 85          | 8                 | 1500                      | CuNb   | 5    | C    | 7                | 1011.2                                       | -1    | W     | 5        | 0/r       | 51          | 92                | 8                         | 1500   | Nb    | 10    | -                | 10                 | 6    |
| Barnes    | 1013.4                                       | -1                 | W'S   | 7     | 0/r      | 52        | 85          | 8                 | 2500                      | Nb     | 10   | -    | 10               | 1011.5                                       | -1    | W'S   | 7        | 0/r       | 51          | 85                | 8                         | 2500   | St    | 7     | -                | 7                  | 6    |
| Barnes    | 1012.5                                       | -2                 | W'S   | 5     | 0/r      | 52        | 75          | 8                 | 2500                      | Nb     | 7    | C.Sr | 9                | 1011.6                                       | 0     | W'S   | 5        | 0/r       | 51          | 75                | 9                         | 2500   | Nb    | 8     | -                | 8                  | 0    |
| Barnes    | 1013.5                                       | +2                 | W'S   | 5     | 0/r      | 50        | 85          | 8                 | -                         | Cu     | 9    | -    | 9                | 1013.3                                       | +2    | W'S   | 4        | 0/r       | 49          | 85                | 8                         | -      | Cu    | 6     | -                | 6                  | 0    |
| Barnes    | 1015.0                                       | -1                 | W'S   | 5     | 0/r      | 51        | 85          | 8                 | 1500                      | St.Cu  | 10   | -    | 10               | 1014.1                                       | -1    | W     | 4        | 0/r       | 50          | 85                | 8                         | 1500   | St.Cu | 10    | -                | 10                 | 0    |
| Barnes    | 1013.8                                       | -1                 | W'S   | 5     | 0/r      | 52        | 75          | 4                 | 1500                      | St.Cu  | 10   | -    | 10               | 1013.5                                       | 0     | W'S   | 5        | 0/r       | 52          | 75                | 6                         | 1500   | St.Cu | 10    | -                | 10                 | 0    |
| Barnes    | 1015.1                                       | -1                 | W'S   | 6     | 0/r      | 51        | 75          | 8                 | 2500                      | St.Cu  | 10   | -    | 10               | 1014.5                                       | 0     | W'S   | 5        | 0/r       | 51          | 75                | 8                         | 2500   | St.Cu | 10    | -                | 10                 | 0    |
| Barnes    | 1013.7                                       | 0                  | W'S   | 7     | 0/r      | 51        | 85          | 8                 | 5750                      | St.Cu  | 7    | A.C. | 8                | 1013.5                                       | 0     | W     | 5        | 0/r       | 51          | 85                | 7                         | 5750   | St.Cu | 10    | -                | 10                 | 1    |
| Barnes    | 1013.7                                       | -1                 | W'S   | 5     | 0/r      | 51        | 75          | 8                 | 1500                      | St.Cu  | 9    | A.C. | 10               | 1013.5                                       | +1    | SW    | 6        | 0/r       | 51          | 85                | 8                         | 1500   | St.Cu | 9     | ASr              | 10                 | 0    |
| Barnes    | 1014.8                                       | -1                 | W'S   | 6     | 0/r      | 51        | 75          | 9                 | 1500                      | St     | 8    | ASr  | 9                | 1014.3                                       | +3    | W'S   | 4        | 0/r       | 52          | 75                | 8                         | 2500   | St.Cu | 9     | ASr              | 10                 | 3    |
| Barnes    | 1013.4                                       | -1                 | W'S   | 5     | 0/r      | 53        | 85          | 8                 | 4000                      | St.Cu  | 10   | -    | 10               | 1015.5                                       | -3    | W'S   | 5        | 0/r       | 52          | 85                | 7                         | 4000   | St.Cu | 10    | -                | 10                 | 7    |
| Barnes    | 1018.5                                       | -2                 | SW    | 6     | 0/r      | 52        | 65          | 8                 | 5750                      | Cu     | 10   | -    | 10               | 1016.6                                       | 0     | SW    | 4        | 0/r       | 51          | 75                | 8                         | 4000   | St.Cu | 10    | -                | 10                 | 2    |
| Barnes    | 1018.1                                       | -2                 | W     | 5     | 0/r      | 52        | 92          | 8                 | 1500                      | St.Cu  | 10   | -    | 10               | 1016.5                                       | -1    | W'S   | 5        | 0/r       | 52          | 85                | 8                         | 1500   | St    | 9     | -                | 9                  | 6    |
| Barnes    | 1018.9                                       | 0                  | W'S   | 7     | 0/r      | 50        | 85          | 8                 | 1500                      | St.Cu  | 5    | -    | 5                | 1018.5                                       | -2    | W     | 6        | 0/r       | 50          | 85                | 8                         | 1500   | St.Cu | 8     | -                | 8                  | 6    |
| Barnes    | 1016.3                                       | -3                 | W'S   | 5     | 0/r      | 52        | 85          | 8                 | 2500                      | St.Cu  | 9    | -    | 9                | 1015.8                                       | -1    | W'S   | 4        | 0/r       | 51          | 85                | 8                         | 4000   | St.Cu | 10    | -                | 10                 | 4    |
| Barnes    | 1014.5                                       | -1                 | W'S   | 6     | 0/r      | 52        | 85          | 8                 | 4000                      | Cu     | 7    | -    | 7                | 1015.0                                       | +1    | W'S   | 6        | 0/r       | 50          | 92                | 8                         | 4000   | St.Cu | 5     | -                | 5                  | 6    |
| Barnes    | 1020.4                                       | -1                 | W'S   | 5     | 0/r      | 51        | 75          | 8                 | 4000                      | St.Cu  | 10   | -    | 10               | 1020.4                                       | 0     | W     | 5        | 0/r       | 52          | 75                | 8                         | 4000   | St.Cu | 10    | -                | 10                 | 3    |

| LONDON OBSERVATIONS.                        |  |  |  | WEATHER.                                    |                 |        | TEMPERATURE.     |             |                         | RAIN-FALL.<br>Inch. |                 | SUNSHINE<br>to<br>Sunset. |                     | HUMIDITY.                                 |                                           | ATMOSPHERIC POLLUTION.<br>Lbs. of Solid Impurity per<br>million cubic yards. | SOLAR RADIATION.<br>Vertical component<br>per square<br>centimetre. | POLE STAR RECORD at<br>Greenwich Obsy. |                                                               |  |
|---------------------------------------------|--|--|--|---------------------------------------------|-----------------|--------|------------------|-------------|-------------------------|---------------------|-----------------|---------------------------|---------------------|-------------------------------------------|-------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------|---------------------------------------------------------------|--|
|                                             |  |  |  | Morn-<br>ing.                               | After-<br>noon. | Night. | Max.<br>°F.      | Min.<br>°F. | Min. on<br>Grass<br>°F. | Day.<br>Inch.       | Night.<br>Inch. | hrs.                      | 15h.<br>G.M.T.<br>% | 9h.<br>G.M.T.<br>%                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup> |                                                                              |                                                                     | During yesterday.                      | Exposure from<br>21 <sup>st</sup> to 22 <sup>nd</sup> 17 h. 0 |  |
| 24 hours ended 0900                         |  |  |  | 24 HOURS ENDED 0900 G.M.T. 22 <sup>nd</sup> |                 |        | 22 <sup>nd</sup> |             |                         | YESTERDAY.          |                 | TO-DAY.                   |                     | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup> |                                           | During yesterday.                                                            | to 22 <sup>nd</sup> 17 h. 0                                         |                                        |                                                               |  |
| Greenwich (Royal Obsy.)                     |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
| City (Bankhill Row)                         |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
| Westminster (St. James' Pk.)                |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
| Regents Pk. (Botanical Obsy.)               |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
| Chiswick (Bot. Rainfall)                    |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
| Hampton Palace                              |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
| Hampton Observatory                         |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
| Radio Disturbances (Atmospheric) at CROYDON |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   | to 22 <sup>nd</sup> 17 h. 0            |                                                               |  |
|                                             |  |  |  | 000                                         | 0000            | 0000   | 46               | 44          | 41                      | -                   | -               | 0.1                       | 0.2                 | 75                                        | 79                                        | 24 Hr. ended 1800 G.M.T. 21 <sup>st</sup>                                    | During yesterday.                                                   |                                        |                                                               |  |

For explanation, see Introduction.

\* Information for these columns not usually received.

† The barometric change is expressed in half millibars.

‡ For code see page 5.

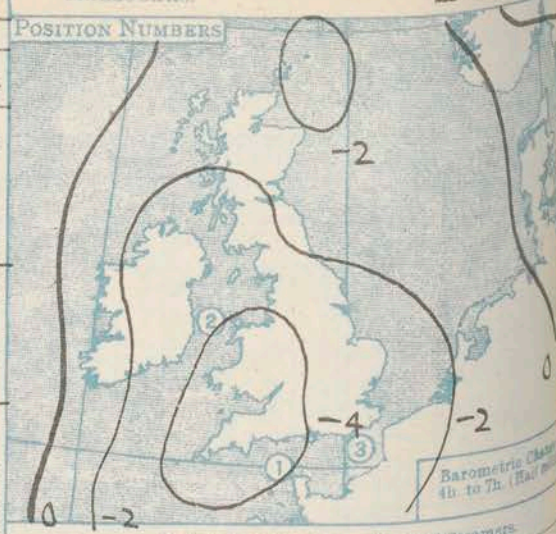


## SUMMARIES FOR THE PAST 24 HOURS.

ISALLOBARS.

22nd December

| STATIONS.               | WEATHER.        |                  |                  |                | TEMPERATURE.            |                           |                      | RAINFALL.              |                          |                         |                         | SUN. |
|-------------------------|-----------------|------------------|------------------|----------------|-------------------------|---------------------------|----------------------|------------------------|--------------------------|-------------------------|-------------------------|------|
|                         | 7h-13h.<br>21st | 13h-18h.<br>21st | 18h-24h.<br>22nd | 1h-7h.<br>22nd | MAX.<br>Day.<br>7h-18h. | MIN.<br>Night.<br>18h-7h. | MIN.<br>on<br>GRASS. | Day.<br>7h-18h.<br>mm. | Night.<br>18h-7h.<br>mm. | Precipitation<br>began. | Precipitation<br>ended. |      |
| Lerwick                 | c               | c                | b                | ford           | 41                      | 36                        | *                    | 0.2                    | 4                        | <0.800                  | <2100                   | *    |
| Stornoway               | p               | p                | barbe            | p              | 50                      | 35                        | *                    | 4                      | 1                        | -                       | 2.30                    | 0.0  |
| Wick                    | o.r             | cir              | cben             | c              | 46                      | 36                        | *                    | 12                     | 0.5                      | <0.800                  | <2100                   | *    |
| Castlebay               | op              | oprr             |                  |                |                         |                           |                      |                        |                          | 1730                    |                         |      |
| Nairn                   | barbe           | barbe            | ford             |                | 46                      | 40                        | *                    | 4                      | 1                        | <0.800                  | -                       | 0.0  |
| Aberdeen                | o.r             | barbe            | cben             | bm             | 52                      | 38                        | 29                   | 2                      | 1                        | <0.800                  | 2.400                   | 2.2  |
| Malin Head              | o.r             | o.r              | bcap             | p              | 53                      | 44                        | *                    | 2                      | 3                        | 1230                    | <2100                   | 0.0  |
| Renfrew                 | o.r             | o.r              | omrr             | r              | 53                      | 46                        | 43                   | 5                      | 7                        | <0.800                  | <2100                   | 0.0  |
| Inchkeith               | p               | p                | p                | c              | 52                      | 41                        | 42                   | 6                      | 2                        | -                       | -                       | *    |
| Esksdalemuir            | ford            | ford             | omrr             | fo             | 49                      | 44                        | 44                   | 13                     | 7                        | <0.800                  | <2100                   | 0.0  |
| Tynemouth               | bbcmg           | bbcmg            | bbcmg            | imp            | 54                      | 36                        | *                    | -                      | Trace                    | -                       | 2.30                    | *    |
| Blacksod Point          | o.r             | o.r              | bcap             | bcq            | 53                      | 43                        | *                    | 0.2                    | 1                        | <0.800                  | <2100                   | *    |
| Donaghadee              | ca              | ca               | ca               | bcq            | 52                      | 45                        | 42                   | 0.1                    | 4                        | 1630                    | <2100                   | 0.0  |
| Birr Castle             | c               | c                | c                | o.r            | 51                      | 47                        | 44                   | -                      | 5                        | -                       | 2.400                   | 0.0  |
| Baldonnell              | oo              | oo               | oo               | oo             | 53                      | 51                        | 49                   | -                      | 3                        | -                       | 2.400                   | 0.0  |
| Holyhead                | oo              | oo               | oo               | oo             | 55                      | 50                        | 46                   | -                      | 1                        | -                       | 4.30                    | 0.3  |
| Liverpool (Bidston)     | oo              | oo               | oo               | oo             | 55                      | 50                        | *                    | -                      | 1                        | -                       | 5.30                    | *    |
| Chester (Shotwick)      | oo              | oo               | oo               | oo             | 55                      | 50                        | *                    | -                      | 1                        | -                       | 5.30                    | *    |
| Howden                  | c               | c                | c                | c              | 52                      | 46                        | *                    | -                      | -                        | -                       | -                       | 0.0  |
| Spurn Head              | c               | c                | c                | c              | 54                      | 47                        | 42                   | -                      | -                        | -                       | -                       | 0.1  |
| Nottingham              | oo              | oo               | oo               | oo             | 53                      | 46                        | 43                   | Trace                  | -                        | <0.800                  | -                       | 0.5  |
| Cranwell                | c               | c                | c                | c              | 52                      | 44                        | 44                   | -                      | -                        | -                       | -                       | 0.0  |
| Gorleston               | c               | c                | c                | c              | 53                      | 47                        | 44                   | -                      | -                        | -                       | -                       | 0.0  |
| Pulham                  | oo              | oo               | oo               | oo             | 53                      | 47                        | 44                   | -                      | -                        | -                       | -                       | 0.0  |
| Felixstowe              | c               | c                | c                | c              | 53                      | 46                        | 43                   | -                      | -                        | -                       | -                       | 0.0  |
| Valencia (Cabirciveen)  | cop             | op               | oprr             | bop            | 53                      | 46                        | 42                   | 1                      | 3                        | 1100                    | <2100                   | 1.3  |
| Roches Point            | cp              | op               | oprr             | p              | 52                      | 48                        | *                    | 1                      | 6                        | 1330                    | <2100                   | *    |
| Pembroke (St. Ann's H.) | oo              | oo               | c                | logt           | 52                      | 48                        | *                    | -                      | 3                        | -                       | -                       | 1.0  |
| Ross-on-Wye             | o.r             | o.r              | o.r              | o.r            | 53                      | 47                        | 46                   | 0.1                    | -                        | <0.800                  | -                       | 0.2  |
| Benson                  | oo              | oo               | oo               | oo             | 52                      | 47                        | 43                   | -                      | -                        | -                       | -                       | *    |
| S. Farnborough          | oo              | oo               | oo               | oo             | 53                      | 47                        | 35                   | -                      | -                        | -                       | -                       | 0.3  |
| London (Kew Obs.)       | oo              | oo               | oo               | oo             | 52                      | 49                        | 46                   | -                      | -                        | -                       | -                       | 0.1  |
| Croydon                 | oo              | oo               | oo               | oo             | 52                      | 48                        | 44                   | -                      | -                        | -                       | -                       | 0.2  |
| Clacton-on-Sea          | bcop            | bcop             | o                | oe             | 51                      | 46                        | 42                   | -                      | -                        | -                       | -                       | 0.0  |
| Shoeburyness            | c               | c                | c                | c              | 52                      | 47                        | 43                   | -                      | -                        | -                       | -                       | 0.3  |
| Grain                   | c               | c                | c                | c              | 53                      | 48                        | 42                   | -                      | -                        | -                       | -                       | 0.3  |
| Lympne                  | ca              | oo               | oo               | oo             | 51                      | 45                        | 43                   | 0.4                    | -                        | 6.30                    | 2.0                     | 2.0  |
| Seilly (St. Mary's)     | oo              | ford             | oo               | oo             | 53                      | 51                        | *                    | 0.1                    | -                        | <0.800                  | -                       | 0.0  |
| Falmouth (Pendennis)    | pc              | o                | o                | o              | 53                      | 49                        | *                    | -                      | -                        | -                       | -                       | 0.3  |
| Plymouth                | p               | p                | oo               | oo             | 53                      | 49                        | 47                   | Trace                  | 0.1                      | -                       | -                       | 0.0  |
| Portland Bill           | p               | p                | oo               | oo             | 53                      | 47                        | *                    | 0.3                    | -                        | 0.900                   | -                       | 0.0  |
| Calshot                 | c               | p                | c                | c              | 52                      | 49                        | 47                   | Trace                  | -                        | 1530                    | -                       | 0.8  |
| Dungeness               | ca              | ca               | qid              | qrr            | 52                      | 50                        | *                    | 0.3                    | -                        | 2.30                    | -                       | 1.0  |
| Jersey                  | o.r             | o.r              | o.r              | o.r            | 53                      | 50                        | *                    | Trace                  | -                        | 1100                    | -                       | 1.0  |



Observations from Cross Channel Steamers.

| Position. | Date and Time. | Steamship. | Wind. |        | Weather. | Air. |
|-----------|----------------|------------|-------|--------|----------|------|
|           |                |            | Dir.  | Force. |          |      |
| 2         | 1000.218       | Anglia     | WSW   | 6      | of       | 54   |

## GENERAL INFERENCE.

A large depression to the North of Scotland will cause rain or hail showers in all districts with local thunder, the temperature being slightly lower than of late.

## Districts.

Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 22nd December, 1921.

## Further Outlook.

|                           |                                                                                                                                                           |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. S.E. England           | Fresh to strong Westerly winds; showery, bright intervals, thunder locally, visibility fair to good; slightly colder than of late.                        |
| 2. E. England             |                                                                                                                                                           |
| 3. E. Midlands            |                                                                                                                                                           |
| 4. W. Midlands            |                                                                                                                                                           |
| 5. S.W. England           | Fresh to strong W. to N.W. winds; rain or hail showers, bright intervals, thunder locally, visibility mainly good; slightly colder than of late.          |
| 6. South Wales            |                                                                                                                                                           |
| 7. North Wales            |                                                                                                                                                           |
| 8. N.W. England           |                                                                                                                                                           |
| 9. N. Midlands            | Moderate to fresh Westerly wind, veering to N.W.; rain or hail showers, bright intervals, risk of local thunder; visibility mainly good; becoming colder. |
| 10. N.E. England          |                                                                                                                                                           |
| 11. E. Scotland           |                                                                                                                                                           |
| 12. S.W. Scotland         |                                                                                                                                                           |
| 13. Isle of Man           | Light indefinite breezes, becoming moderate Northerly later; varying amount of cloud, some showers, visibility fair to good; rather cold.                 |
| 14. N. & N.W. Scotland    |                                                                                                                                                           |
| 15. Hebrides              |                                                                                                                                                           |
| 16. Orkneys and Shetlands |                                                                                                                                                           |
| 17. N.W. Ireland          | Strong North-Westerly wind; some rain or hail showers, but considerable bright intervals; local thunder; visibility good; colder than of late.            |
| 18. N.E. Ireland          |                                                                                                                                                           |
| 19. S.E. Ireland          |                                                                                                                                                           |
| 20. S.W. Ireland          |                                                                                                                                                           |

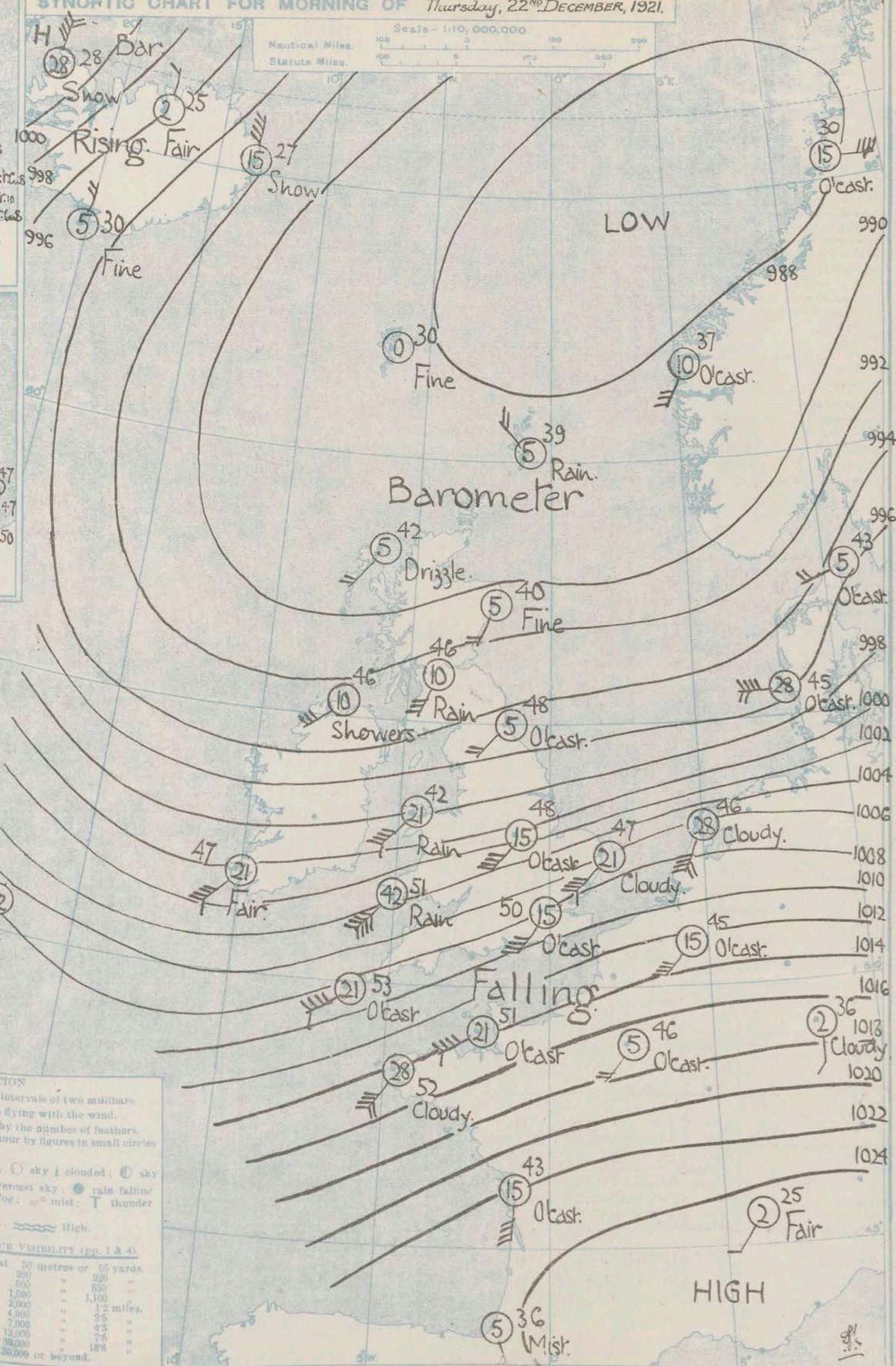
A Westerly of weather, and wet at times is likely to persist over Christmas, with temperature mainly for the time of year.

South Cone  
All Coasts.



# SYNORTIC CHART FOR MORNING OF Thursday, 22<sup>nd</sup> DECEMBER, 1921.

Scale - 1:10,000,000  
Nautical Miles. 100 200 300  
Statute Miles. 100 200 300



## 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 & clouded, ○ sky & overcast  
☁ sky & clouded, ☁ overcast sky, ☁ rain falling  
☁ snow, ☁ sleet, ☁ hail, ☁ fog, ☁ mist, ☁ thunder

**SEA DISTURBANCE:**  
~ Rough, ~ High.

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

| Objects not visible at | 50 metres or 55 yards | 200 | 500 | 1,000 | 2,000 | 4,000 | 7,000 | 12,000 | 20,000 | 30,000 or beyond |
|------------------------|-----------------------|-----|-----|-------|-------|-------|-------|--------|--------|------------------|
| Very poor              |                       |     |     |       |       |       |       |        |        |                  |
| Poor                   |                       |     |     |       |       |       |       |        |        |                  |
| Indifferent            |                       |     |     |       |       |       |       |        |        |                  |
| Fair                   |                       |     |     |       |       |       |       |        |        |                  |
| Good                   |                       |     |     |       |       |       |       |        |        |                  |
| Very good              |                       |     |     |       |       |       |       |        |        |                  |



# AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4.

BRITISH SECTION THURSDAY 22<sup>nd</sup> DECEMBER 1921.

No. 357.

| STATIONS.                   | Observations at 0100 G.M.T. 22 <sup>nd</sup> |                    |        |       |          |           |             |                 |                           |        |      |            | Observations at 0700 G.M.T. 22 <sup>nd</sup> |                  |                    |        |       |          |           |             |                 |                           |        |      |            |      |
|-----------------------------|----------------------------------------------|--------------------|--------|-------|----------|-----------|-------------|-----------------|---------------------------|--------|------|------------|----------------------------------------------|------------------|--------------------|--------|-------|----------|-----------|-------------|-----------------|---------------------------|--------|------|------------|------|
|                             | Barom. at M.S.L.                             | Change in 3 Hours. | Wind.  |       | Weather. | Temp. °F. | Humidity. % | Visibility. 0-9 | Height of Low Cloud. Feet | Cloud. |      |            | Sea.                                         | Barom. at M.S.L. | Change in 3 Hours. | Wind.  |       | Weather. | Temp. °F. | Humidity. % | Visibility. 0-9 | Height of Low Cloud. Feet | Cloud. |      |            |      |
|                             |                                              |                    | Direc. | Force |          |           |             |                 |                           | Form.  | Amt. | Total Amt. |                                              |                  |                    | Direc. | Force |          |           |             |                 |                           | Form.  | Amt. | Total Amt. |      |
|                             |                                              |                    |        |       |          |           |             |                 |                           |        |      |            |                                              |                  |                    |        |       |          |           |             |                 |                           |        |      |            | 0-12 |
| Lerwick ...                 | 991.1                                        | +2                 | 0      | 0     | bc       | 37        | 85          | 6               | -                         | 0      | ACu  | 4          | -                                            | 989.0            | -3                 | W      | 2     | OT       | 39        | 92          | 6               | 2500                      | Nb     | 10   | -          | 10   |
| Stornoway ...               | 991.1                                        | 0                  | SW     | 4     | bc       | 37        | 85          | 7               | -                         | 0      | ACu  | 4          | -                                            | 988.5            | 0                  | SW     | 2     | OT       | 42        | 97          | 5               | 750                       | St     | 10   | -          | 10   |
| Wick ...                    | 989.7                                        | -1                 | SW     | 3     | bc       | 41        | 92          | 8               | -                         | 0      | ACu  | 4          | -                                            | 988.8            | -1                 | SSW    | 1     | OT       | 37        | 97          | 9               | -                         | 0      | ACu  | -          | 8    |
| Castlebay ...               | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | 987.3            | ...                | ...    | 0     | OT       | 41        | 85          | 8               | 1500                      | St     | 8    | -          | 8    |
| Nairn ...                   | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | 991.8            | -1                 | SW     | 2     | OT       | 40        | 92          | 5               | 4000                      | St     | 2    | -          | 2    |
| Aberdeen ...                | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | ...              | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...  |
| Malin Head ...              | 995.6                                        | 0                  | SW     | 4     | bc       | 49        | 97          | 6               | 4000                      | Cu     | 3    | -          | 5                                            | 992.6            | -3                 | SW     | 3     | OT       | 46        | 97          | 8               | 4000                      | Cu     | 8    | -          | 8    |
| Renfrew ...                 | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | 993.8            | -2                 | SW     | 3     | OT       | 46        | 85          | 5               | 2500                      | Nb     | 10   | -          | 10   |
| Inchkeith ...               | 993.5                                        | +2                 | WSW    | 5     | bc       | 49        | 85          | 9               | -                         | St     | 2    | -          | 2                                            | 992.4            | +1                 | WSW    | 4     | OT       | 47        | 85          | 9               | -                         | Cu     | 10   | -          | 10   |
| Eskdalemuir ...             | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | 995.0            | -3                 | SW     | 4     | OT       | 45        | 92          | 6               | 800                       | St     | 10   | -          | 10   |
| Tynemouth ...               | 998.4                                        | 0                  | WSW    | 4     | OT       | 51        | 75          | 7               | -                         | 0      | ASr  | 9          | -                                            | 995.0            | -2                 | WSW    | 2     | OT       | 48        | 75          | 7               | -                         | 0      | ASr  | -          | 10   |
| Blackod Point ...           | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | 995.7            | -3                 | W      | 3     | OT       | 44        | 92          | 8               | 2500                      | St     | 10   | -          | 10   |
| Donaghadee ...              | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | 998.0            | ...                | WSW    | 3     | OT       | 46        | 92          | 4               | 800                       | Nb     | 10   | -          | 10   |
| Birr Castle ...             | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | 998.6            | -3                 | SSW    | 5     | OT       | 47        | 85          | 7               | 1500                      | St     | 9    | -          | 9    |
| Baldonnell ...              | 1002.2                                       | -3                 | SW     | 5     | OT       | 50        | 42          | 6               | 800                       | Nb     | 10   | -          | 10                                           | 998.6            | -4                 | SW     | 5     | OT       | 52        | 97          | 7               | 1500                      | Nb     | 8    | -          | 8    |
| Holyhead ...                | 1002.9                                       | -2                 | SW     | 6     | OT       | ...       | 65          | 7               | 450                       | St     | 10   | -          | 10                                           | 998.6            | -4                 | SW     | 4     | OT       | 50        | 85          | 7               | 1500                      | Nb     | 10   | -          | 10   |
| Liverpool (Bidston) ...     | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | 999.0            | -4                 | SW     | 3     | OT       | 51        | 85          | 4               | 800                       | Nb     | 10   | -          | 10   |
| Chester (Shotwick) ...      | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | ...              | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...  |
| Howden ...                  | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | ...              | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...  |
| Spurn Head ...              | 1003.5                                       | -1                 | SW     | 5     | bc       | 49        | 85          | 7               | -                         | 0      | ACu  | 5          | -                                            | 1001.2           | -2                 | SW     | 6     | OT       | 47        | 92          | 7               | 4000                      | St     | 8    | -          | 8    |
| Nottingham ...              | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | 1002.3           | ...                | SW     | 4     | OT       | 48        | 92          | 6               | 800                       | Nb     | 10   | -          | 10   |
| Cranwall ...                | 1006.7                                       | -2                 | SW     | 5     | bc       | 48        | 85          | 8               | 2500                      | St     | 1    | -          | 4                                            | 1003.1           | -3                 | SW     | 6     | OT       | 48        | 85          | 8               | 1500                      | St     | 8    | -          | 8    |
| Gorleston ...               | 1009.7                                       | 0                  | SW     | 5     | OT       | 50        | 75          | 8               | -                         | 0      | ASr  | 10         | -                                            | 1007.4           | -2                 | WSW    | 5     | OT       | 47        | 85          | 8               | 7250                      | St     | 8    | -          | 8    |
| Pulham ...                  | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | 1006.2           | -2                 | SW     | 4     | OT       | 49        | 75          | 7               | 5750                      | St     | 6    | -          | 6    |
| Felixstowe ...              | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | 1009.6           | -3                 | SW     | 5     | OT       | 47        | 85          | 8               | 7000                      | St     | 2    | -          | 2    |
| Valencia (Cahirciveen) ...  | 1002.8                                       | +2                 | SW     | 3     | bc       | 52        | 85          | 7               | -                         | Cu     | 4    | -          | 4                                            | 1001.9           | 0                  | WSW    | 5     | bc       | 47        | 85          | 8               | 2500                      | Cu     | 2    | -          | 2    |
| Roche Point ...             | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | 1003.9           | -2                 | W      | 4     | OT       | 48        | 85          | 8               | 2500                      | Cu     | 1    | -          | 1    |
| Pembroke (St. Ann's H.) ... | 1008.8                                       | -2                 | SSW    | 7     | OT       | 52        | 85          | 8               | 2500                      | St     | 10   | -          | 10                                           | 1003.2           | -4                 | SW     | 8     | OT       | 51        | 97          | 8               | 2500                      | Nb     | 10   | -          | 10   |
| Ross-on-Wye ...             | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | 1005.3           | -3                 | SSW    | 5     | OT       | 49        | 85          | 8               | 2500                      | Nb     | 10   | -          | 10   |
| Benson ...                  | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | 1007.0           | -3                 | SW     | 4     | OT       | 49        | 85          | 8               | -                         | St     | 10   | -          | 10   |
| S. Farnborough ...          | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | 1008.6           | -4                 | WSW    | 5     | OT       | 50        | 85          | 8               | 1500                      | St     | 10   | -          | 10   |
| London (Kew Obey) ...       | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | 1008.5           | -3                 | SW     | 4     | OT       | 50        | 75          | 7               | 2500                      | St     | 10   | -          | 10   |
| Croydon ...                 | 1013.2                                       | -2                 | WSW    | 6     | OT       | 49        | 75          | 8               | 2500                      | St     | 3    | -          | 3                                            | 1009.7           | -3                 | WSW    | 6     | OT       | 49        | 85          | 8               | 2500                      | St     | 10   | -          | 10   |
| Glaughton-on-Sea ...        | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | 1008.7           | -3                 | SSW    | 4     | OT       | 47        | 92          | 8               | 5750                      | St     | 8    | -          | 8    |
| Shoeburyness ...            | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | 1008.6           | -4                 | SW     | 7     | OT       | 49        | 85          | 8               | 4000                      | St     | 9    | -          | 9    |
| Grain ...                   | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | 1008.9           | -3                 | SW     | 5     | OT       | 50        | 75          | 8               | 2500                      | St     | 7    | -          | 7    |
| Lympne ...                  | 1013.9                                       | 0                  | W      | 5     | OT       | 47        | 92          | 8               | 4000                      | St     | 10   | -          | 10                                           | 1010.5           | -2                 | SW     | 5     | OT       | 47        | 97          | 8               | 1500                      | Nb     | 10   | -          | 10   |
| Scilly (St. Mary's) ...     | 1013.0                                       | -3                 | WSW    | 5     | OT       | 53        | 85          | 8               | 4000                      | St     | 10   | -          | 10                                           | 1008.1           | -4                 | SW     | 6     | OT       | 53        | 97          | 8               | 4000                      | St     | 10   | -          | 10   |
| Falmouth (Pendennis) ...    | 1012.8                                       | -2                 | SW     | 6     | OT       | 52        | 75          | 8               | 4000                      | St     | 10   | -          | 10                                           | 1008.0           | -8                 | SW     | 7     | OT       | 52        | 75          | 8               | 4000                      | St     | 10   | -          | 10   |
| Plymouth ...                | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | 1008.7           | -5                 | W      | 6     | OT       | 53        | 85          | 8               | 2500                      | St     | 9    | -          | 9    |
| Portland Bill ...           | 1013.8                                       | -1                 | WSW    | 7     | OT       | 49        | 85          | 8               | 450                       | St     | 10   | -          | 10                                           | 1009.4           | -5                 | SW     | 7     | OT       | 51        | 85          | 8               | 450                       | St     | 10   | -          | 10   |
| Calshot ...                 | 1014.0                                       | -2                 | SW     | 4     | OT       | 50        | 85          | 8               | 2500                      | St     | 10   | -          | 10                                           | 1009.8           | -4                 | SW     | 5     | OT       | 51        | 85          | 8               | 2500                      | St     | 10   | -          | 10   |
| Dungeness ...               | 1013.9                                       | -2                 | SW     | 6     | OT       | 50        | 85          | 8               | -                         | 0      | ACu  | 5          | -                                            | 1010.0           | -3                 | SW     | 6     | OT       | 50        | 92          | 7               | 2500                      | Cu     | 7    | -          | 7    |
| Jersey (Th) ...             | 1017.1                                       | -3                 | SW     | 5     | bc       | 51        | 75          | 8               | 5750                      | Cu     | 5    | -          | 5                                            | 1014.3           | -1                 | WSW    | 5     | OT       | 51        | 85          | 8               | 2500                      | St     | 10   | -          | 10   |
| Guernsey (H) ...            | ...                                          | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...                                          | ...              | ...                | ...    | ...   | ...      | ...       | ...         | ...             | ...                       | ...    | ...  | ...        | ...  |

### WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 21<sup>st</sup> DECEMBER

| STATIONS.              | WEATHER.   |             | TEMPERATURE. |             | RAINFALL. |         | SUNSHINE.          |            | STATIONS.       | WEATHER.    |           | TEMPERATURE. |        | RAINFALL. |        | Sunrise to Sunset. |
|------------------------|------------|-------------|--------------|-------------|-----------|---------|--------------------|------------|-----------------|-------------|-----------|--------------|--------|-----------|--------|--------------------|
|                        | Fore-noon. | After-noon. | Max. Day.    | Min. Night. | Night     | Day     | Sunrise to Sunset. | Fore-noon. |                 | After-noon. | Max. Day. | Min. Night.  | Night  | Day       |        |                    |
|                        |            |             |              |             | 12h-6h.   | 6h-12h. |                    |            |                 |             |           |              | 2h-4h. | 4h-12h.   | 2h-4h. |  | 4h-12h. |
|                        |            |             |              |             | mm.       | mm.     | hr.                | hr.        |                 |             |           |              | mm.    | mm.       | 2.5    |                    |
| Banff ... ..           | rcbc       | bc          | 50           | 36          | 4         | 0.1     | 1.5                |            | Paignton ... .. | bcg         | bcap      | 54           | 43     | -         | -      | 0.0                |
| Ilfracombe ... ..      |            |             |              |             |           |         |                    |            | od              | or          | 52        | 47           | 1      | 2         | 0.6    |                    |
| Bude ... ..            |            |             |              |             |           |         |                    |            | doc             | copbc       | 55        | 48           | 0.4    | 0.7       | 0.2    |                    |
| Penzance ... ..        |            |             |              |             |           |         |                    |            | co              | o           | 53        | 47           | 0.3    | -         | 2.6    |                    |
| Torquay ... ..         |            |             |              |             |           |         |                    |            | b               | bccb        | 54        | 44           | -      | -         | 0.3    |                    |
| Weymouth ... ..        |            |             |              |             |           |         |                    |            | qbc             | bcog        | 54        | 46           | 0.4    | -         | 0.5    |                    |
| Bournemouth ... ..     |            |             |              |             |           |         |                    |            | c               | c           | 53        | 43           | -      | -         | 1.6    |                    |
| Portsmouth (S. thes.)  |            |             |              |             |           |         |                    |            | bc              | bc          | 54        | 45           | -      | -         | 1.5    |                    |
| Worthing ... ..        |            |             |              |             |           |         |                    |            | bcc             | c           | 52        | 44           | -      | -         | 0.8    |                    |
| Brighton ... ..        |            |             |              |             |           |         |                    |            | oc              | co          | 52        | 46           | -      | -         | 1.2    |                    |
| Eastbourne ... ..      |            |             |              |             |           |         |                    |            | co              | o           | 53        | 46           | -      | -         | 0.3    |                    |
| Hastings ... ..        |            |             |              |             |           |         |                    |            | woc             | co          | 53        | 43           | Trace  | -         | 1.5    |                    |
| Folkestone ... ..      |            |             |              |             |           |         |                    |            | oc              | o           | 52        | 45           | -      | -         | 0.0    |                    |
| Tunbridge Wells ... .. |            |             |              |             |           |         |                    |            | co              | o           | 52        | 40           | -      | -         | 1.0    |                    |
| Ramsgate ... ..        |            |             |              |             |           |         |                    |            | bc              | bc          | 51        | 39           | -      | -         | 0.7    |                    |
| Margate ... ..         |            |             |              |             |           |         |                    |            | bcc             | c           | 53        | 41           | -      | -         | 1.5    |                    |
| Deal ... ..            |            |             |              |             |           |         |                    |            | obc             | bcc         | 53        | 45           | -      | -         | 0.3    |                    |
| Falmouth ... ..        |            |             |              |             |           |         |                    |            | pco             | o           | 52        | 45           | -      | -         |        |                    |



DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 21946

Friday 23<sup>rd</sup> December 1921.

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| STATION.  | Observations at 1800 G.M.T. 22 <sup>nd</sup> |                    |        |       |          |       |           |             |                      |        |      |       |      |                  | Observations at 1800 G.M.T. 22 <sup>nd</sup> |       |       |          |       |           |             |                      |        |       |      |      |       |      |
|-----------|----------------------------------------------|--------------------|--------|-------|----------|-------|-----------|-------------|----------------------|--------|------|-------|------|------------------|----------------------------------------------|-------|-------|----------|-------|-----------|-------------|----------------------|--------|-------|------|------|-------|------|
|           | Barom. at M.S.L.                             | Change in 3 Hours. | Wind.  |       | Weather. | Temp. | Humidity. | Visibility. | Height of Low Cloud. | Cloud. |      |       | Sea. | Barom. at M.S.L. | Change in 3 Hours.                           | Wind. |       | Weather. | Temp. | Humidity. | Visibility. | Height of Low Cloud. | Cloud. |       |      | Sea. |       |      |
|           |                                              |                    | Direc. | Force |          |       |           |             |                      | Form.  | Amt. | Form. |      |                  |                                              | Amt.  | Form. |          |       |           |             |                      | Amt.   | Form. | Amt. |      | Form. | Amt. |
|           |                                              |                    |        |       |          |       |           |             |                      |        |      |       |      |                  |                                              |       |       |          |       |           |             |                      |        |       |      |      |       |      |
| Lerwick   | 988.5                                        | -1                 | E      | 1     | C        | 40    | 97        | 8           | -                    | -      | -    | 7     | -    | 989.1            | +2                                           | N     | 3     | obc      | 40    | 85        | 7           | 4000                 | Nb     | 10    | -    | 10   | 2     |      |
| Unawaay   | 988.0                                        | 0                  | W      | 2     | C        | 39    | 97        | 8           | 450                  | Nb     | 0    | 10    | -    | 988.4            | 0                                            | W     | 2     | bc       | 38    | 97        | 5           | 4000                 | Nb     | 5     | -    | 5    | 1     |      |
| Wick      | 988.3                                        | -1                 | SW     | 2     | O        | 40    | 97        | 8           | 5750                 | StCu   | 9    | -     | 9    | 988.2            | +1                                           | WNW   | 2     | C        | 38    | 97        | 8           | 1500                 | St     | 7     | -    | 7    | 0     |      |
| Caithness | 989.2                                        | 0                  | WNW    | 4     | C        | 46    | 75        | 8           | 2500                 | St     | 8    | -     | 8    | 989.2            | +1                                           | W     | 4     | OPH      | 46    | 85        | 8           | 800                  | Nb     | 10    | -    | 10   | 4     |      |
| Orkney    | 989.4                                        | -3                 | SW     | 2     | OPH      | 43    | 85        | 7           | 4000                 | Nb     | 9    | -     | 9    | 989.1            | +                                            | W     | 2     | bc       | 38    | 92        | 8           | 1500                 | St     | 4     | -    | 4    | 0     |      |
| Shetland  | 991.3                                        | 0                  | WSW    | 3     | OPR      | 42    | 97        | 8           | 4000                 | CuNb   | 9    | -     | 9    | 991.0            | +1                                           | W     | 3     | OPH      | 43    | 97        | 8           | 4000                 | CuNb   | 9     | -    | 9    | 1     |      |
| Shetland  | 992.3                                        | -1                 | WSW    | 4     | OPR      | 44    | 85        | 7           | 1500                 | Nb     | 10   | -     | 10   | 992.5            | 0                                            | WSW   | 3     | OPH      | 41    | 92        | 5           | 2500                 | St     | 9     | -    | 9    | 0     |      |
| Shetland  | 990.1                                        | -3                 | WSW    | 4     | OPH      | 43    | 92        | 9           | -                    | Nb     | 5    | CuSt  | 9    | 990.4            | +3                                           | W     | 4     | WNB      | 43    | 85        | 6           | -                    | 0      | -     | 0    | 4    |       |      |
| Shetland  | 992.3                                        | -3                 | WSW    | 4     | OPR      | 43    | 85        | 8           | 1500                 | CuNb   | 8    | C     | 9    | 992.2            | +1                                           | W     | 3     | bc       | 37    | 85        | 5           | 1500                 | Nb     | 5     | -    | 5    | 1     |      |
| Shetland  | 993.4                                        | -2                 | W      | 4     | OPR      | 43    | 75        | 6           | 4000                 | Nb     | 10   | -     | 10   | 993.1            | 0                                            | W     | 2     | b        | 43    | 85        | 6           | -                    | 0      | -     | 0    | 1    |       |      |
| Shetland  | 1000.1                                       | +1                 | W      | 4     | OPR      | 45    | 85        | 8           | 800                  | Nb     | 6    | ACu   | 8    | 1000.5           | +1                                           | W     | 6     | OPH      | 44    | 85        | 6           | 800                  | St     | 10    | -    | 10   | 7     |      |
| Shetland  | 995.5                                        | -1                 | W      | 2     | bc       | 46    | 85        | 8           | -                    | CuNb   | 3    | ACu   | 5    | 995.6            | 0                                            | WNW   | 2     | bc       | 40    | 92        | 8           | -                    | 0      | ACu   | 4    | 2    |       |      |
| Shetland  | 998.0                                        | 0                  | SW     | 1     | C        | 43    | 92        | 8           | 4000                 | Nb     | 7    | -     | 7    | 998.8            | +                                            | W     | 1     | C        | 40    | 97        | 5           | 4000                 | Nb     | 8     | -    | 8    | 0     |      |
| Shetland  | 992.4                                        | -1                 | SW     | 4     | C        | 40    | 92        | 8           | 1500                 | StCu   | 6    | ASr   | 8    | 992.8            | +2                                           | SSW   | 4     | b        | 39    | 85        | 8           | 1500                 | StCu   | 3     | -    | 3    | 0     |      |
| Shetland  | 997.1                                        | -1                 | WSW    | 5     | O        | 48    | 85        | 8           | 4000                 | Cu     | 8    | C     | 9    | 997.3            | +1                                           | W     | 5     | b        | 45    | 85        | 8           | 2500                 | StCu   | 3     | -    | 3    | 3     |      |
| Shetland  | 996.0                                        | -1                 | WSW    | 5     | b        | 47    | 75        | 7           | 2500                 | StCu   | 2    | C     | 3    | 995.8            | +1                                           | W     | 5     | OPR      | 44    | 85        | 7           | 1500                 | Nb     | 10    | -    | 10   | 6     |      |
| Shetland  | 996.0                                        | -2                 | SW     | 3     | bc       | 50    | 65        | 9           | 1500                 | St     | 4    | -     | 4    | 996.0            | +1                                           | W     | 3     | b        | 43    | 85        | 8           | 1500                 | St     | 2     | -    | 2    | 0     |      |
| Shetland  | 995.8                                        | -6                 | SW     | 4     | OPR      | 48    | 92        | 6           | 450                  | St     | 10   | -     | 10   | 994.5            | -1                                           | WSW   | 3     | 0        | 45    | 85        | 6           | 450                  | St     | 10    | -    | 10   | 3     |      |
| Shetland  | 997.4                                        | -6                 | SW     | 3     | O        | 48    | 92        | 8           | 1500                 | Nb     | 9    | -     | 9    | 996.8            | 0                                            | W     | 4     | b        | 42    | 85        | 6           | -                    | 0      | -     | 0    | 0    |       |      |
| Shetland  | 997.5                                        | -6                 | SW     | 5     | O        | 49    | 85        | 8           | 1500                 | Nb     | 7    | ASr   | 10   | 997.0            | 0                                            | SW    | 5     | bc       | 44    | 85        | 8           | 1500                 | Nb     | 5     | -    | 5    | 0     |      |
| Shetland  | 1000.9                                       | -6                 | SW     | 5     | C        | 51    | 75        | 7           | 4000                 | StCu   | 8    | -     | 8    | 998.1            | -2                                           | WSW   | 4     | 0        | 47    | 85        | 8           | -                    | 0      | ASr   | 10   | 4    |       |      |
| Shetland  | 1000.4                                       | -7                 | SSW    | 5     | 0        | 51    | 75        | 6           | 2500                 | St     | 10   | -     | 10   | 998.5            | -1                                           | SW    | 4     | bc       | 45    | 85        | 6           | 2500                 | StCu   | 4     | -    | 4    | 0     |      |
| Shetland  | 1000.8                                       | -6                 | SW     | 5     | O        | 50    | 85        | 8           | 1500                 | StCu   | 10   | -     | 10   | 1000.8           | -3                                           | W     | 4     | OPR      | 46    | 92        | 6           | 800                  | Nb     | 10    | -    | 10   | 2     |      |
| Shetland  | 1000.2                                       | -1                 | WNW    | 4     | C        | 44    | 75        | 8           | 2500                 | StCu   | 5    | ACu   | 7    | 1000.7           | +8                                           | WNW   | 7     | b        | 45    | 75        | 8           | 2500                 | StCu   | 3     | -    | 3    | 7     |      |
| Shetland  | 1000.4                                       | -2                 | W      | 4     | OPH      | 45    | 85        | 8           | 4000                 | CuNb   | 7    | -     | 7    | 1000.5           | +6                                           | WNW   | 4     | OPH      | 44    | 85        | 8           | 2500                 | CuNb   | 9     | -    | 9    | 6     |      |
| Shetland  | 1001.3                                       | -3                 | WSW    | 7     | 0        | 49    | 75        | 8           | 2500                 | Nb     | 10   | -     | 10   | 1000.4           | +2                                           | WNW   | 6     | bc       | 47    | 75        | 8           | 2500                 | Nb     | 5     | -    | 5    | 0     |      |
| Shetland  | 1000.3                                       | -2                 | SW     | 4     | OPH      | 46    | 75        | 9           | 2500                 | Nb     | 9    | ASr   | 10   | 999.6            | -1                                           | WSW   | 3     | bc       | 42    | 85        | 8           | 2500                 | Nb     | 6     | -    | 6    | 0     |      |
| Shetland  | 1000.5                                       | -8                 | SW     | 4     | OPH      | 47    | 85        | 9           | -                    | Nb     | 10   | -     | 10   | 1000.4           | 0                                            | WSW   | 4     | b        | 42    | 85        | 9           | -                    | Cu     | 2     | -    | 2    | 0     |      |
| Shetland  | 1002.6                                       | -8                 | SW     | 6     | OPH      | 50    | 92        | 6           | 1500                 | Nb     | 10   | -     | 10   | 1001.6           | 0                                            | SW    | 5     | b        | 42    | 92        | 8           | -                    | 0      | -     | 0    | 0    |       |      |
| Shetland  | 1001.8                                       | -8                 | SW     | 5     | OPH      | 52    | 85        | 7           | 1500                 | Nb     | 8    | ASr   | 10   | 1001.0           | +1                                           | SW    | 3     | C        | 46    | 85        | 7           | 1500                 | Nb     | 6     | ACu  | 7    | 0     |      |
| Shetland  | 1002.9                                       | -9                 | SW     | 6     | OPH      | 50    | 92        | 8           | 800                  | St     | 10   | -     | 10   | 1002.2           | 0                                            | SW    | 5     | b        | 45    | 85        | 7           | 1500                 | St     | 1     | -    | 1    | 0     |      |
| Shetland  | 1003.7                                       | -7                 | SSW    | 6     | OPH      | 50    | 92        | 8           | 2500                 | StCu   | 7    | ASr   | 9    | 999.8            | -2                                           | SW    | 4     | C        | 47    | 92        | 8           | 4000                 | Nb     | 8     | -    | 8    | 1     |      |
| Shetland  | 1003.3                                       | -7                 | SW     | 5     | OPH      | 50    | 92        | 7           | 800                  | Nb     | 10   | -     | 10   | 1000.3           | -3                                           | SW    | 6     | b        | 46    | 85        | 8           | 5750                 | St     | 1     | -    | 1    | 0     |      |
| Shetland  | 1005.0                                       | -9                 | SW     | 6     | OPH      | 49    | 97        | 6           | 450                  | Nb     | 10   | -     | 10   | 1000.9           | -1                                           | WSW   | 4     | b        | 45    | 85        | 8           | 2500                 | Cu     | 1     | -    | 1    | 3     |      |
| Shetland  | 1006.9                                       | -1                 | W      | 8     | bc       | 51    | 85        | 8           | 4000                 | Cu     | 6    | -     | 6    | 1001.9           | -1                                           | SW    | 5     | bc       | 43    | 97        | 8           | 1500                 | St     | 4     | -    | 4    | 0     |      |
| Shetland  | 1004.7                                       | +6                 | WNW    | 7     | OPH      | 46    | 85        | 7           | 5750                 | CuNb   | 9    | -     | 9    | 1006.9           | +3                                           | WNW   | 9     | b        | 49    | 97        | 8           | 4000                 | CuNb   | 3     | -    | 3    | 8     |      |
| Shetland  | 1004.3                                       | -3                 | WSW    | 5     | OPR      | 51    | 85        | 8           | 1500                 | Nb     | 9    | -     | 9    | 1003.9           | -4                                           | WNW   | 8     | O        | 46    | 75        | 7           | 5750                 | CuNb   | 9     | -    | 9    | 4     |      |
| Shetland  | 1004.5                                       | -5                 | SW     | 8     | OPR      | 52    | 85        | 8           | 450                  | St     | 10   | -     | 10   | 1003.3           | -3                                           | WNW   | 9     | OPR      | 49    | 85        | 7           | 450                  | St     | 10    | -    | 10   | 8     |      |
| Shetland  | 1005.1                                       | -5                 | WSW    | 5     | OPR      | 49    | 75        | 6           | 800                  | Nb     | 10   | -     | 10   | 1002.9           | -1                                           | WSW   | 4     | b        | 45    | 85        | 8           | 4000                 | StCu   | 2     | -    | 2    | 0     |      |
| Shetland  | 1005.5                                       | -5                 | SW     | 7     | OPR      | 50    | 92        | 8           | 1500                 | St     | 10   | -     | 10   | 1001.7           | 0                                            | WSW   | 7     | bc       | 48    | 85        | 8           | 4000                 | Cu     | 4     | -    | 4    | 7     |      |
| Shetland  | 1004.6                                       | -2                 | WSW    | 5     | OPR      | 52    | 85        | 8           | 4000                 | StCu   | 10   | -     | 10   | 1008.7           | 0                                            | WSW   | 5     | C        | 52    | 85        | 8           | 4000                 | StCu   | 8     | -    | 8    | 3     |      |

| LONDON OBSERVATIONS.                                                                              |  | WEATHER.                                          |             |        | TEMPERATURE. |          |                   | RAIN-FALL.             |        | SUN-SHINE to Sunset.                       | HUMIDITY.            |                   | ATMOSPHERIC POLLUTION.<br>Lbs. of Solid impurity per million cubic yards. | SOLAR RADIATION.<br>Vertical component per square centimetre. | POLE STAR RECORD at Greenwich Obsy.       |      |
|---------------------------------------------------------------------------------------------------|--|---------------------------------------------------|-------------|--------|--------------|----------|-------------------|------------------------|--------|--------------------------------------------|----------------------|-------------------|---------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------|------|
|                                                                                                   |  | Morn-ing.                                         | After-noon. | Night. | Max. of.     | Min. of. | Min. on Grass of. | Day.                   | Night. |                                            | 15h. G.M.T.          | 9h. G.M.T.        |                                                                           |                                                               |                                           |      |
| 24 HOURS ENDED 0900 G.M.T.                                                                        |  | 23 <sup>rd</sup>                                  |             |        | YESTERDAY.   |          |                   | TO-DAY.                |        | 24 Hrs. ended 1800 G.M.T. 22 <sup>nd</sup> |                      | During yesterday. |                                                                           | 22 <sup>nd</sup> 17 h. 20 m.                                  |                                           |      |
| Greenwich (Royal Obsy.)                                                                           |  | 0.00                                              | 0.00        | 0.00   | 52           | 39       | 33                | 4                      | 0.2    | 0.4                                        | 88                   | 82                | South Kensington                                                          |                                                               | Exposure from 10.23 <sup>rd</sup> 6.48 m. |      |
| City (Banhill Row)                                                                                |  | 0                                                 | 0           | 0.0    | 52           | 39       | 33                | 4                      | 0.2    | 0.4                                        | 88                   | 82                | Max. Time Min. Time                                                       |                                                               | Stars. Expos-ure. Record.                 |      |
| Westminster (St. James' Pl.)                                                                      |  | 0                                                 | 0           | 0.0    | 52           | 39       | 33                | 4                      | 0.2    | 0.4                                        | 88                   | 82                | Kew Observatory                                                           |                                                               | Polaris                                   |      |
| Regents Pl. (Botanical Obsy.)                                                                     |  | 0                                                 | 0           | 0.0    | 52           | 39       | 33                | 4                      | 0.2    | 0.4                                        | 88                   | 82                | Max. Time Min. Time                                                       |                                                               | h. m. b. m. %                             |      |
| Garden Sq. (Brit. Rainfall)                                                                       |  | 0                                                 | 0           | 0.0    | 52           | 39       | 33                | 4                      | 0.2    | 0.4                                        | 88                   | 82                | Max. Time Min. Time                                                       |                                                               | 13.45 10.0 73                             |      |
| Kensington Palace                                                                                 |  | 0                                                 | 0           | 0.0    | 52           | 39       | 33                | 4                      | 0.2    | 0.4                                        | 88                   | 82                | Max. Time Min. Time                                                       |                                                               | Maximum Rate                              |      |
| Hampton Observatory                                                                               |  | 0                                                 | 0           | 0.0    | 52           | 39       | 33                | 4                      | 0.2    | 0.4                                        | 88                   | 82                | Max. Time Min. Time                                                       |                                                               | Minimum Rate                              |      |
| RADIO DISTURBANCES (Atmospherics) AT CROYDON.                                                     |  | 0                                                 | 0           | 0.0    | 52           | 39       | 33                | 4                      | 0.2    | 0.4                                        | 88                   | 82                | Max. Time Min. Time                                                       |                                                               | Maximum Rate                              |      |
| TABLE SHOWING THE GREENWICH TIME OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. |  | 23 <sup>rd</sup> & 24 <sup>th</sup> December 1921 |             |        | STATIONS.    |          |                   | Sunrise. Noon. Sunset. |        |                                            | G.M.T. G.M.T. G.M.T. |                   |                                                                           | G.M.T. G.M.T. G.M.T.                                          |                                           |      |
| Yarmouth                                                                                          |  | 8.5                                               | 11.52       | 3.34   | Greenwich    |          |                   | 8.6                    | 11.53  | 3.40                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Greenwich                                                                                         |  | 8.6                                               | 11.53       | 3.40   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia     |          |                   | 9.4                    | 12.11  | 3.18                                       | Wick                 |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Valencia                                                                                          |  | 9.4                                               | 12.11       | 3.18   | Wick         |          |                   | 9.4                    | 12.11  | 3.18                                       | Valencia             |                   |                                                                           | 9.4                                                           | 12.11                                     | 3.18 |
| Wick                                                                                              |  | 9.4                                               | 12.11       | 3.18   | Valencia</   |          |                   |                        |        |                                            |                      |                   |                                                                           |                                                               |                                           |      |

\* Information for these columns not usually received.

1 The barometric change is expressed in half millibars.

4 For code see page 3

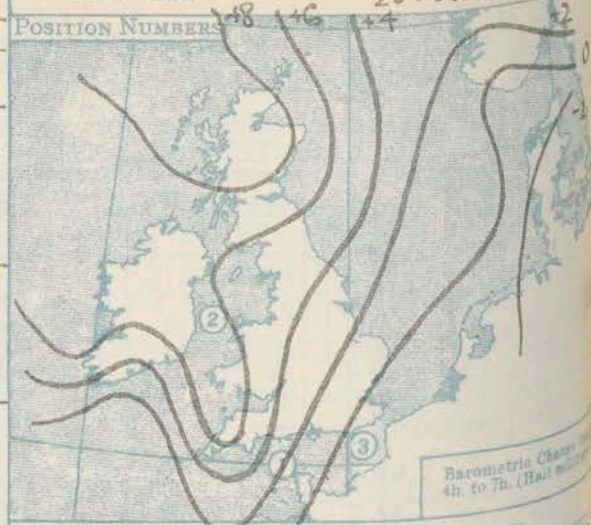


## SUMMARIES FOR THE PAST 24 HOURS.

| STATIONS.               | WEATHER. |          |          |         | TEMPERATURE. |             |                | RAINFALL.    |                 |                      |                      | SUN. |
|-------------------------|----------|----------|----------|---------|--------------|-------------|----------------|--------------|-----------------|----------------------|----------------------|------|
|                         | 7h-13h.  | 13h-19h. | 19h-22h. | 22h-7h. | MAX. Day.    | MIN. Night. | MIN. on GRASS. | Day. 7h-13h. | Night. 13h-19h. | Precipitation began. | Precipitation ended. |      |
| Lerwick                 | c        | b        | b        | p       | 40           | 34          | .              | 0.2          | 1               | 1630                 | 22100                | .    |
| Stornoway               | oo       | c        | b        | p       | 41           | 35          | .              | 0.3          | 10              | .                    | .                    | 0.0  |
| Wick                    | c        | oo       | c        | p       | 40           | 35          | .              | .            | 1               | .                    | 2400                 | .    |
| Castlebay               | opco     | ochp     | hpcp     | hbc     | 46           | 39          | .              | 2            | 5               | 1730                 | 22100                | 0.6  |
| Nairn                   | rd       | rd       | p        | p       | 41           | 34          | .              | 3            | 4               | 1100                 | 230                  | 0.0  |
| Aberdeen                | omfp     | bcp      | c        | p       | 43           | 33          | 29             | 0.2          | 4               | 1230                 | 430                  | 0.1  |
| Malin Head              | op       | op       | p        | c       | 47           | 41          | .              | 3            | 1               | 20800                | 2100                 | 0.3  |
| Benfrew                 | om       | om       | p        | o       | 45           | 36          | 30             | 0.3          | 4               | 20800                | 2400                 | 1.0  |
| Inchkeith               | p        | b        | b        | o       | 47           | 39          | 36             | 1            | .               | .                    | .                    | .    |
| Esdailemuir             | p        | b        | b        | o       | 45           | 35          | 33             | 0.2          | 0.2             | 1100                 | 2100                 | 0.8  |
| Tynemouth               | imp      | b        | b        | b       | 49           | 38          | .              | 0.2          | .               | 1100                 | .                    | .    |
| Blacksod Point          | c        | h        | h        | h       | 47           | 36          | .              | 0.6          | 3               | 1100                 | .                    | .    |
| Donsghades              | c        | ir       | b        | ir      | 45           | 38          | 31             | 0.3          | 3               | 20800                | 230                  | .    |
| Birr Castle             | c        | ir       | c        | be      | 47           | 37          | 34             | 0.2          | 4               | 20800                | 2400                 | 0.0  |
| Baldonnell              | op       | b        | b        | c       | 47           | 37          | 34             | 0.2          | 4               | 20800                | 2400                 | 1.4  |
| Holyhead                | ir       | o        | b        | c       | 52           | 44          | 40             | 0.2          | 0.3             | 20800                | 2400                 | 1.2  |
| Liverpool (Bidston)     | rd       | p        | h        | h       | 50           | 40          | 37             | 4            | 12              | 20800                | 2100                 | 2.2  |
| Chester (Shotwick)      | om       | b        | b        | o       | 51           | 41          | .              | 3            | 3               | 20800                | 2100                 | .    |
| Howden                  | oo       | oo       | p        | b       | 49           | 34          | .              | 1            | 0.2             | 0900                 | 2100                 | .    |
| Spurn Head              | oo       | oo       | p        | b       | 50           | 36          | 32             | 1            | 0.5             | 20800                | 430                  | 0.0  |
| Nottingham              | p        | p        | c        | p       | 50           | 35          | 32             | 1            | 1               | 20800                | 2400                 | 0.0  |
| Cranwell                | ir       | rd       | rd       | b       | 52           | 37          | 35             | 2            | .               | 1230                 | .                    | 0.4  |
| Gorleston               | c        | o        | c        | b       | 52           | 38          | 34             | 2            | 0.2             | 1330                 | 530                  | 0.1  |
| Fulham                  | oo       | rd       | oo       | b       | 52           | 38          | 34             | 2            | 0.2             | 1330                 | .                    | 0.1  |
| Felixstowe              | oo       | R        | b        | b       | 50           | 38          | 35             | 5            | .               | 1330                 | .                    | 0.1  |
| Valencia (Cahireiveen)  | op       | c        | b        | p       | 49           | 42          | 43             | 3            | 3               | 20800                | 2100                 | 1.0  |
| Roches Point            | p        | p        | p        | p       | 48           | 42          | .              | 2            | 2               | 1100                 | 2100                 | .    |
| Pembroke (St. Ann's H.) | op       | o        | c        | c       | 52           | 46          | .              | 3            | .               | 1430                 | .                    | 0.8  |
| Ross-on-Wye             | op       | o        | c        | c       | 50           | 40          | 33             | 5            | 0.3             | 20800                | 2100                 | 0.0  |
| Benson                  | op       | o        | c        | c       | 52           | 36          | 29             | 4            | 2               | 1100                 | 2100                 | .    |
| S. Farnborough          | rd       | rd       | b        | b       | 52           | 37          | 33             | 4            | .               | 1000                 | .                    | 0.7  |
| London (Kew Obsy.)      | op       | o        | c        | c       | 53           | 40          | 34             | 4            | 0.2             | 1230                 | 2100                 | 0.4  |
| Croydon                 | op       | o        | c        | c       | 51           | 40          | 36             | 5            | .               | 0900                 | .                    | 0.5  |
| Clacton-on-Sea          | op       | c        | c        | c       | 49           | 39          | 34             | 3            | .               | 1330                 | .                    | 0.3  |
| Shoeburyness            | rd       | o        | b        | b       | 53           | 39          | 35             | 5            | .               | 1100                 | .                    | 0.5  |
| Grain                   | p        | rd       | b        | b       | 52           | 38          | 33             | 1            | trace           | 20800                | 2400                 | 0.4  |
| Lymington               | op       | o        | b        | b       | 50           | 37          | 34             | 4            | 0.2             | 20800                | 2100                 | 0.0  |
| Scilly (St. Mary's)     | op       | p        | b        | b       | 54           | 43          | .              | 4            | 1               | 20800                | 2100                 | 2.2  |
| Falmouth (Pendennis)    | op       | o        | c        | c       | 53           | 45          | .              | 6            | 1               | 0900                 | 130                  | 2.1  |
| Plymouth                | p        | rd       | p        | p       | 53           | 44          | 39             | 8            | 0.6             | 20800                | .                    | 1.1  |
| Portland Bill           | rd       | rd       | b        | b       | 53           | 44          | .              | 4            | 0.3             | 1100                 | 2100                 | .    |
| Calshot                 | rd       | h        | rd       | b       | 52           | 40          | 38             | 9            | 2               | 20800                | 2100                 | 0.2  |
| Langness                | op       | o        | h        | b       | 52           | 41          | .              | 0.1          | 5               | 1100                 | 2100                 | 1.3  |
| Jersey                  | op       | o        | c        | c       | 55           | 45          | .              | 7            | 5               | 1100                 | 2100                 | 1.3  |

ISALLOBARS.

23rd December.



| Position. | Date and Time. | Steamship. | Wind. |        | Weather. | Temp. |
|-----------|----------------|------------|-------|--------|----------|-------|
|           |                |            | Dir.  | Force. |          |       |
| 3         | 1500.22        | Newhaven   | WSW   | 6      | ot       | 50    |
| 2         | 1000.22        | Anglia     | WSW   | 6      | ce       | 48    |
| 3         | 0300.23        | Brigton    | W     | 8      | bv       | 44    |

## GENERAL INFERENCE.

A large depression over Scandinavia and secondaries over the British Isles will maintain fresh to strong winds from between West and North for the next 24 hours with local rain or hail showers and a rather lower temperature than of late.

## Further Outlook

| Districts.                | Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 23rd December, 1921.                                                                             |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. S.E. England           | Fresh to strong West to North-West winds; some rain or hail showers, bright intervals; visibility good; rather colder than of late, ground frost at night. |
| 2. E. England             |                                                                                                                                                            |
| 3. E. Midlands            |                                                                                                                                                            |
| 4. W. Midlands            |                                                                                                                                                            |
| 5. S.W. England           | Fresh to strong Northwesterly wind; some rain or hail showers, bright intervals; visibility good; rather colder than of late, ground frost at night.       |
| 6. South Wales            |                                                                                                                                                            |
| 7. North Wales            |                                                                                                                                                            |
| 8. N.W. England           |                                                                                                                                                            |
| 9. N. Midlands            | Fresh to strong Northwesterly winds, moderating gradually; some rain or hail showers, but bright intervals; visibility good; rather cold.                  |
| 10. N.E. England          |                                                                                                                                                            |
| 11. E. Scotland           |                                                                                                                                                            |
| 12. S.W. Scotland         |                                                                                                                                                            |
| 13. Isle of Man           | Same as 5. - 13.                                                                                                                                           |
| 14. N. & N.W. Scotland    |                                                                                                                                                            |
| 15. Hebrides              |                                                                                                                                                            |
| 16. Orkneys and Shetlands |                                                                                                                                                            |
| 17. N.W. Ireland          | Same as 14 - 17.                                                                                                                                           |
| 18. N.E. Ireland          |                                                                                                                                                            |
| 19. S.E. Ireland          |                                                                                                                                                            |
| 20. S.W. Ireland          |                                                                                                                                                            |

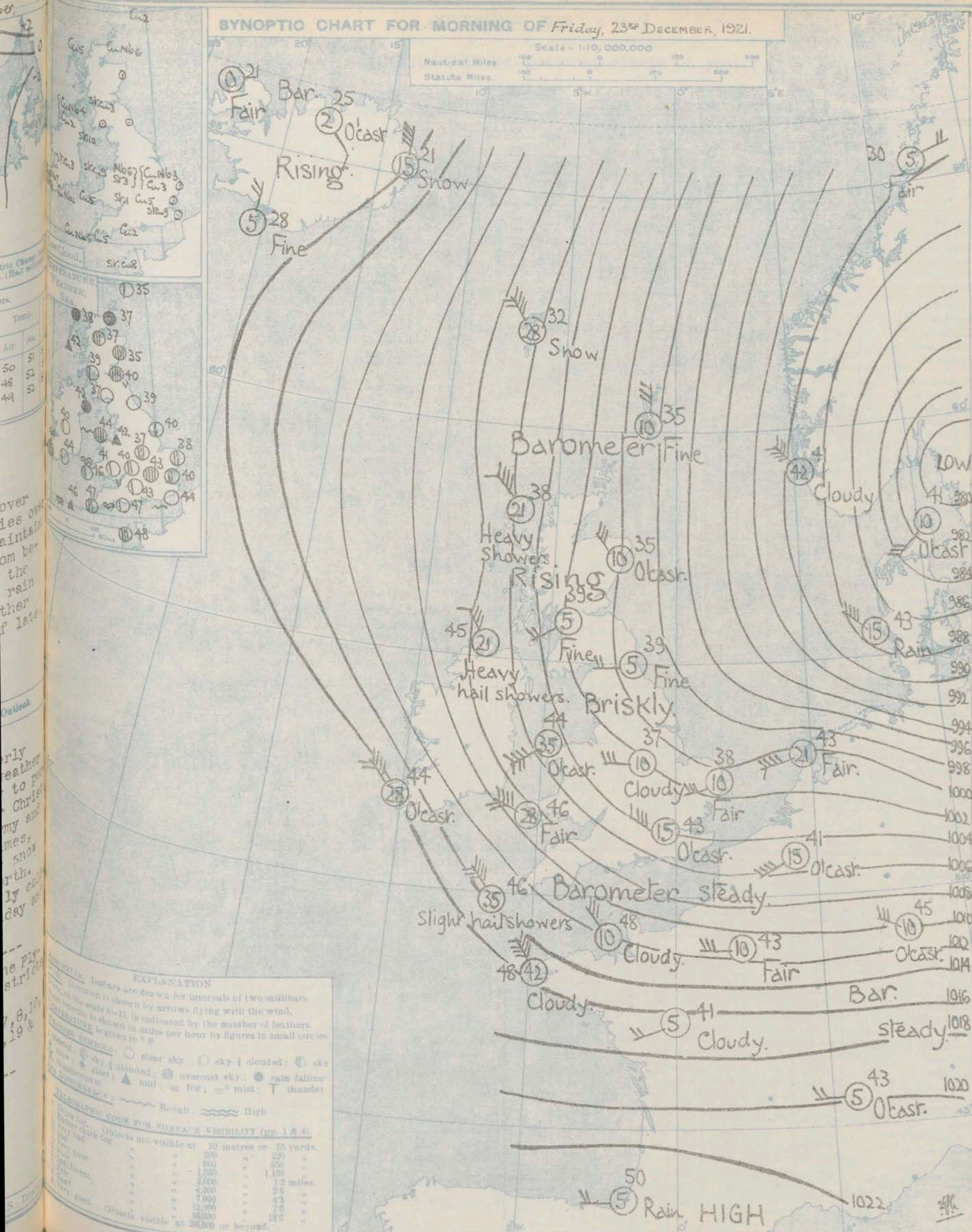
A Westerly type of weather is likely to persist over Christmas, stormy and wet at times, with some snow in the North. Temporarily colder on Friday and Saturday.

South Coast Forecast - Districts

1, 2, 5, 6, 7, 8, 10, 13, 17, 18, 19 & 20.



Nautical Miles.  
Statute Miles.





DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION Friday 23<sup>rd</sup> December 1921.

No. 357.

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 22<sup>nd</sup> December

\* Information for these columns not usually received

Trace = rain has fallen, but amount less than 0.1 mm.

‡ For code see page 4.

See footnote page 1.



## AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B21947

Saturday, 24<sup>th</sup> December 1921.

Page 1.

| STATIONS. | Observations at 1800 G.M.T. 23 <sup>rd</sup> |                    |        |       |          |           |             |                    |                           |        |      |       |      | Observations at 1800 G.M.T. 23 <sup>rd</sup> |                    |        |       |          |           |             |                    |                           |        |       |      |      |       |      |   |
|-----------|----------------------------------------------|--------------------|--------|-------|----------|-----------|-------------|--------------------|---------------------------|--------|------|-------|------|----------------------------------------------|--------------------|--------|-------|----------|-----------|-------------|--------------------|---------------------------|--------|-------|------|------|-------|------|---|
|           | Barom. at M.S.L.                             | Change in 3 hours. | Wind.  |       | Weather. | Temp. °F. | Humidity. % | Visibility 1/4 mi. | Height of Low Cloud. Feet | Cloud. |      |       | Sen. | Barom. at M.S.L.                             | Change in 3 hours. | Wind.  |       | Weather. | Temp. °F. | Humidity. % | Visibility 1/4 mi. | Height of Low Cloud. Feet | Cloud. |       |      | Sen. |       |      |   |
|           |                                              |                    | Direc. | Force |          |           |             |                    |                           | Form.  | Amt. | Form. |      |                                              |                    | Amt.   | Form. |          |           |             |                    |                           | Amt.   | Form. | Amt. |      | Form. | Amt. |   |
|           |                                              |                    |        |       |          |           |             |                    |                           |        |      |       |      |                                              |                    |        |       |          |           |             |                    |                           |        |       |      |      |       |      |   |
|           |                                              |                    |        |       |          |           |             |                    |                           |        |      |       |      |                                              |                    |        |       |          |           |             |                    |                           |        |       |      |      |       |      |   |
| m.h.      |                                              | 0-12               |        |       |          |           | 0-8         |                    | 0-10                      | 0-10   | 0-9  | m.h.  |      | 0-12                                         |                    |        |       |          |           |             | 0-8                |                           | 0-10   | 0-9   |      |      |       |      |   |
| Derby     | 1004.9                                       | +5                 | NNW    | 6     | bc       | 36        | 75          | 7                  | -                         | Cu     | 5    | -     | 5    | -                                            | 1010.6             | +6     | N     | 6        | bc        | 33          | 92                 | 6                         | -      | St    | 6    | -    | 6     | 5    |   |
| Derby     | 1014.0                                       | +9                 | N      | 3     | bc       | 39        | 75          | 6                  | 4000                      | Cu     | 6    | -     | 6    | -                                            | 1010.7             | +8     | N     | 4        | bph       | 37          | 65                 | 6                         | 4000   | Cu    | 3    | -    | 3     | 2    |   |
| Derby     | 1009.3                                       | +4                 | NNW    | 5     | bph      | 39        | 65          | 8                  | 2500                      | Cu     | 6    | -     | 6    | -                                            | 1015.1             | +6     | NNW   | 6        | bc        | 36          | 92                 | 7                         | 800    | St    | 6    | -    | 6     | 6    |   |
| Derby     | 1017.5                                       | +7                 | N      | 4     | bc       | 41        | 85          | 8                  | 1500                      | Cu     | 6    | -     | 6    | -                                            | 1012.7             | +4     | N     | 3        | b-        | 40          | 75                 | 8                         | 2500   | Cu    | 3    | -    | 3     | 3    |   |
| Derby     | 1009.3                                       | +9                 | NNW    | 4     | bc       | 39        | 75          | 8                  | 4000                      | Cu     | 3    | Cu    | 7    | -                                            | 1015.7             | +8     | NW    | 4        | bc        | 36          | 75                 | 8                         | 1500   | St    | 6    | -    | 6     | 3    |   |
| Derby     | 1015.8                                       | +5                 | NW     | 5     | bc       | 40        | 97          | 6                  | 4000                      | Cu     | 6    | -     | 6    | -                                            | 1010.6             | +4     | NW    | 5        | bc        | 43          | 97                 | 8                         | 4000   | Cu    | 1    | -    | 1     | 5    |   |
| Derby     | 1012.6                                       | +10                | NW     | 3     | bc       | 42        | 65          | 8                  | 4000                      | St     | 4    | -     | 4    | -                                            | 1019.7             | +7     | -     | 0        | bc        | 37          | 75                 | 8                         | -      | 0     | -    | 0    | 0     |      |   |
| Derby     | 1011.2                                       | +9                 | NW     | 3     | bc       | 40        | 75          | 9                  | -                         | St     | 3    | As    | 4    | -                                            | 1017.8             | +6     | NNW   | 4        | bc        | 36          | 75                 | 9                         | -      | 0     | -    | 0    | 3     |      |   |
| Derby     | 1011.0                                       | +8                 | NNW    | 5     | b-       | 38        | 75          | 8                  | 2500                      | St     | 3    | -     | 3    | -                                            | 1018.4             | +11    | NNE   | 2        | b-        | 31          | 65                 | 8                         | -      | 0     | -    | 0    | 0     |      |   |
| Derby     | 1007.4                                       | +4                 | N      | 4     | bc       | 41        | 75          | 6                  | 4000                      | Cu     | 6    | As    | 10   | -                                            | 1015.1             | +9     | NNW   | 4        | bc        | 38          | 75                 | 7                         | -      | 0     | As   | 3    | 3     |      |   |
| Derby     | 1003.4                                       | +6                 | NNW    | 6     | bc       | 46        | 65          | 9                  | 2500                      | Cu     | 6    | -     | 6    | -                                            | 1012.2             | +8     | N     | 4        | b-        | 42          | 92                 | 6                         | 1500   | Cu    | 2    | -    | 2     | 4    |   |
| Derby     | 1010.2                                       | +9                 | NNE    | 4     | bc       | 45        | 65          | 8                  | 4000                      | Cu     | 3    | As    | 5    | -                                            | 1010.7             | +7     | NNE   | 4        | bc        | 43          | 75                 | 8                         | 5750   | Cu    | 4    | -    | 4     | 6    |   |
| Derby     | 1014.1                                       | +9                 | NW     | 3     | bc       | 44        | 75          | 6                  | 2500                      | Nb     | 7    | -     | 7    | -                                            | 1012.7             | +8     | NW    | 1        | bc        | 39          | 92                 | 5                         | 2500   | Cu    | 6    | -    | 6     | 0    |   |
| Derby     | 1017.3                                       | +7                 | NNW    | 4     | bc       | 42        | 75          | 8                  | 2500                      | St     | 3    | As    | 4    | -                                            | 1013.2             | +6     | NNW   | 2        | bc        | 37          | 85                 | 7                         | 2500   | St    | 2    | -    | 2     | 0    |   |
| Derby     | 1013.1                                       | +7                 | NNW    | 7     | b        | 45        | 85          | 8                  | 2500                      | Cu     | 3    | -     | 3    | -                                            | 1019.2             | +7     | NNW   | 7        | bc        | 45          | 85                 | 8                         | 2500   | Nb    | 4    | -    | 4     | 6    |   |
| Derby     | 1011.0                                       | +7                 | NNW    | 6     | bc       | 41        | 85          | 7                  | 2500                      | Cu     | 6    | -     | 6    | -                                            | 1017.9             | +8     | NNW   | 5        | bc        | 42          | 85                 | 8                         | 2500   | Cu    | 2    | As   | 4     | 6    |   |
| Derby     | 1009.4                                       | +7                 | NW     | 8     | OPR      | 42        | 75          | 9                  | 800                       | St     | 9    | -     | 9    | -                                            | 1016.3             | +8     | NW    | 3        | b         | 40          | 75                 | 8                         | 2500   | St    | 3    | -    | 3     | 0    |   |
| Derby     | 1005.1                                       | +6                 | NW     | 4     | bc       | 44        | 85          | 7                  | 1500                      | St     | 2    | As    | 4    | -                                            | 1011.1             | +6     | NW    | 7        | OPR       | 40          | 92                 | 7                         | 450    | St    | 10   | -    | 10    | 4    |   |
| Derby     | 1007.3                                       | +8                 | NNW    | 3     | bc       | 44        | 85          | 4                  | 2500                      | Nb     | 6    | Cu    | 9    | -                                            | 1015.2             | +8     | NNW   | 3        | bc        | 40          | 85                 | 5                         | -      | 0     | Cu   | 4    | 0     |      |   |
| Derby     | 1007.4                                       | +4                 | NNW    | 4     | bc       | 44        | 85          | 6                  | 2500                      | St     | 9    | -     | 9    | -                                            | 1013.9             | +7     | NNW   | 6        | OPR       | 38          | 85                 | 6                         | 1500   | Nb    | 10   | -    | 10    | 0    |   |
| Derby     | 1005.3                                       | +1                 | NNW    | 4     | bc       | 42        | 85          | 6                  | 5750                      | St     | 6    | -     | 6    | -                                            | 1009.0             | +4     | NNE   | 6        | bc        | 40          | 85                 | 8                         | 4000   | Nb    | 6    | -    | 6     | 1    |   |
| Derby     | 1005.3                                       | +2                 | N      | 4     | bc       | 42        | 92          | 5                  | 2500                      | St     | 10   | -     | 10   | -                                            | 1009.4             | +6     | NNW   | 5        | OPR       | 39          | 92                 | 4                         | 2500   | Nb    | 10   | -    | 10    | 0    |   |
| Derby     | 1004.3                                       | +3                 | NNW    | 4     | bc       | 43        | 85          | 8                  | 4000                      | St     | 10   | -     | 10   | -                                            | 1011.5             | +4     | NNW   | 4        | OPR       | 41          | 92                 | 7                         | 2500   | Nb    | 10   | -    | 10    | 2    |   |
| Derby     | 1014.5                                       | +7                 | NNW    | 4     | bc       | 47        | 75          | 8                  | 2500                      | Cu     | 6    | -     | 6    | -                                            | 1013.9             | +5     | N     | 3        | b-        | 44          | 85                 | 8                         | 2500   | St    | 2    | -    | 2     | 6    |   |
| Derby     | 1011.2                                       | +7                 | NNW    | 5     | bc       | 47        | 75          | 9                  | -                         | 0      | As   | 4     | -    | 4                                            | -                  | 1015.8 | +6    | NW       | 2         | b-          | 42                 | 85                        | 8      | 4000  | St   | 1    | -     | 1    | 0 |
| Derby     | 1016.0                                       | +8                 | NNW    | 6     | bc       | 45        | 75          | 8                  | 2500                      | Cu     | 4    | -     | 4    | -                                            | 1012.5             | +5     | NNW   | 6        | b         | 44          | 85                 | 8                         | 2500   | Cu    | 3    | -    | 3     | 6    |   |
| Derby     | 1010.7                                       | +3                 | NNW    | 4     | bc       | 45        | 75          | 9                  | 4000                      | Cu     | 6    | As    | 6    | -                                            | 1016.8             | +6     | NNW   | 1        | b-        | 38          | 85                 | 8                         | 2500   | Nb    | 2    | -    | 2     | 0    |   |
| Derby     | 1009.5                                       | +4                 | NNW    | 3     | bc       | 45        | 75          | 8                  | -                         | Cu     | 3    | -     | 3    | -                                            | 1014.3             | +8     | NNW   | 4        | OPR       | 39          | 92                 | 7                         | -      | Nb    | 10   | -    | 10    | 0    |   |
| Derby     | 1009.7                                       | +3                 | N      | 3     | bc       | 47        | 75          | 8                  | 4000                      | Cu     | 3    | As    | 5    | -                                            | 1013.4             | +8     | NW    | 4        | OPR       | 41          | 85                 | 7                         | 2500   | St    | 10   | -    | 10    | 0    |   |
| Derby     | 1009.0                                       | +2                 | NNW    | 3     | bc       | 46        | 75          | 7                  | 5750                      | Cu     | 2    | As    | 6    | -                                            | 1013.7             | +6     | NNW   | 4        | OPR       | 40          | 85                 | 7                         | 1500   | Nb    | 10   | -    | 10    | 0    |   |
| Derby     | 1009.8                                       | +3                 | NNW    | 4     | bc       | 45        | 75          | 8                  | 2500                      | St     | 7    | As    | 9    | -                                            | 1013.2             | +6     | NNW   | 4        | OPR       | 42          | 85                 | 6                         | 1500   | St    | 10   | -    | 10    | 0    |   |
| Derby     | 1008.0                                       | +3                 | NNW    | 3     | bc       | 45        | 75          | 8                  | 4000                      | Cu     | 8    | -     | 8    | -                                            | 1010.3             | +4     | NNW   | 3        | OPR       | 43          | 85                 | 4                         | 4000   | Cu    | 10   | -    | 10    | 0    |   |
| Derby     | 1008.4                                       | +3                 | NNW    | 4     | bc       | 44        | 75          | 7                  | 4000                      | St     | 9    | -     | 9    | -                                            | 1011.1             | +4     | NNW   | 5        | bc        | 42          | 85                 | 7                         | 4000   | Cu    | 5    | -    | 5     | 0    |   |
| Derby     | 1008.6                                       | +2                 | NNW    | 5     | bc       | 45        | 85          | 9                  | 2500                      | Cu     | 5    | As    | 7    | -                                            | 1011.3             | +3     | NNW   | 5        | OPR       | 40          | 92                 | 7                         | 1500   | Nb    | 10   | -    | 10    | 0    |   |
| Derby     | 1016.5                                       | +4                 | NNW    | 7     | bc       | 49        | 97          | 8                  | 4000                      | Cu     | 6    | -     | 6    | -                                            | 1011.5             | +4     | NNW   | 3        | bc        | 41          | 85                 | 7                         | 4000   | St    | 7    | -    | 7     | 0    |   |
| Derby     | 1016.0                                       | +3                 | NNW    | 6     | bc       | 48        | 75          | 8                  | 4000                      | Cu     | 6    | -     | 6    | -                                            | 1012.1             | +6     | NNW   | 7        | bc        | 48          | 97                 | 9                         | 4000   | Cu    | 5    | -    | 5     | 7    |   |
| Derby     | 1013.5                                       | +3                 | NNW    | 4     | bc       | 47        | 85          | 8                  | 1500                      | Cu     | 8    | -     | 8    | -                                            | 1010.9             | +3     | NNE   | 6        | bc        | 45          | 65                 | 8                         | 4000   | Cu    | 6    | -    | 6     | 3    |   |
| Derby     | 1009.4                                       | +2                 | NNW    | 7     | b        | 44        | 85          | 8                  | -                         | 0      | Cu   | 3     | -    | 3                                            | -                  | 1018.4 | +8    | N        | 4         | b           | 45                 | 75                        | 8      | 2500  | Cu   | 1    | -     | 1    | 0 |
| Derby     | 1010.5                                       | 0                  | NW     | 5     | b        | 47        | 75          | 8                  | 2500                      | Cu     | 1    | -     | 1    | -                                            | 1014.7             | +5     | NW    | 6        | b         | 49          | 85                 | 8                         | -      | 0     | -    | 0    | 4     |      |   |
| Derby     | 1008.4                                       | +2                 | NW     | 4     | bc       | 47        | 75          | 8                  | 4000                      | Cu     | 2    | -     | 2    | -                                            | 1014.3             | +6     | NNW   | 6        | bc        | 43          | 85                 | 8                         | 2500   | St    | 8    | -    | 8     | 4    |   |
| Derby     | 1013.7                                       | 0                  | W      | 3     | bc       | 46        | 75          | 8                  | 4000                      | St     | 8    | -     | 8    | -                                            | 1011.1             | +3     | NNW   | 3        | bc        | 42          | 92                 | 8                         | 4000   | Cu    | 6    | -    | 6     | 4    |   |
| Derby     | 1013.7                                       | 0                  | W      | 3     | bc       | 46        | 75          | 8                  | 4000                      | St     | 8    | -     | 8    | -                                            | 1015.5             | +1     | W     | 4        | bc        | 47          | 75                 | 8                         | 4000   | St    | 6    | -    | 6     | 3    |   |

| LONDON OBSERVATIONS                                  |  |  |  | WEATHER.                                                                                                                                                       |                 |                | TEMPERATURE. |             |                          | RAIN-FALL.<br>mm. |        | SUN-SHINE<br>to Sunset.<br>hrs. |         | HUMIDITY.                                       |                                                      | ATMOSPHERIC POLLUTION.<br>lbs. of Solid impurity per<br>million cubic yards. |                    | SOLAR RADIATION.<br>Vertical component<br>per square<br>centimetre. |                     | POLE STAR RECORD at<br>Greenwich Obey.                                   |  |  |  |  |  |  |  |                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |  |  |
|------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|--------------|-------------|--------------------------|-------------------|--------|---------------------------------|---------|-------------------------------------------------|------------------------------------------------------|------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------|--|--|--|--|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|------------------|--|--|--|--|--|--|--|--|--|--|--|----------------------|--|--|--|--|--|--|--|--|--|--|--|----------------------------|--|--|--|--|--|--|--|--|--|--|--|
|                                                      |  |  |  | Morn-<br>ing.                                                                                                                                                  | After-<br>noon. | Night.         | Max.<br>°F.  | Min.<br>°F. | Min. on<br>Grass.<br>°F. | Day.              | Night. |                                 |         | 15h.<br>G.M.T.<br>%                             | 9h.<br>G.M.T.<br>%                                   |                                                                              |                    |                                                                     |                     | Exposure from<br>23 <sup>rd</sup> 17 0000<br>to 24 <sup>th</sup> 00 0000 |  |  |  |  |  |  |  |                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |  |  |
| 24 HOURS ENDED 0000 G.M.T. 24 <sup>th</sup> .....    |  |  |  | YESTERDAY.                                                                                                                                                     |                 |                |              |             |                          |                   |        | TO-DAY.                         |         | 24 Hr. ended 1800 G.M.T. 23 <sup>rd</sup> ..... |                                                      | During yesterday.                                                            |                    |                                                                     |                     |                                                                          |  |  |  |  |  |  |  |                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |  |  |
| Kew<br>34 hours ended 0700                           |  |  |  | obcbe<br>obpr.                                                                                                                                                 | bcopR<br>otw    | xyobx<br>omtkp | 27           | 1           | 1                        | 2.5               | 1      | 1                               | 4.2     | 66                                              | 60                                                   | South Kensington                                                             |                    | South Kensington.                                                   |                     | Stars. Expos-<br>ure. Record.                                            |  |  |  |  |  |  |  |                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |  |  |
| Greenwich (Royal Obey.)                              |  |  |  | 0                                                                                                                                                              | ay              | obcbe          | 45           | 33          | 28                       | 1                 | 2      | 1.6                             | 77      | 71                                              | Max. Time. Min. Time.                                |                                                                              | Total..... Joules  |                                                                     | h. m. h. m. %       |                                                                          |  |  |  |  |  |  |  |                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |  |  |
| City (St. Dunstons Row)                              |  |  |  | .                                                                                                                                                              | .               | .              | .            | .           | .                        | .                 | .      | .                               | .       | .                                               | .                                                    | Average Rate                                                                 |                    | Polaris 13.45 9.4 6                                                 |                     |                                                                          |  |  |  |  |  |  |  |                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |  |  |
| Westminster (St. James' Pk.)                         |  |  |  | .                                                                                                                                                              | .               | .              | 47           | 34          | 26                       | 0.1               | 0.6    | .                               | .       | .                                               | Kew Observatory                                      |                                                                              | Maximum Rate       |                                                                     | Uranus 13.45 8.16 6 |                                                                          |  |  |  |  |  |  |  |                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |  |  |
| Regents Pk. (Botanical Gdns.)                        |  |  |  | .                                                                                                                                                              | .               | .              | .            | .           | .                        | .                 | .      | .                               | .       | .                                               | .                                                    | Max. Time. Min. Time.                                                        |                    | Minimum Rate                                                        |                     | Minoris                                                                  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |  |  |
| Piccadilly Sq. (Brit. Rainfall)                      |  |  |  | b                                                                                                                                                              | c               | .              | 46           | 31          | 27                       | 1                 | 0.3    | .                               | 77      | 88                                              | 1.2 0700 23 <sup>rd</sup> 4.05 0600 23 <sup>rd</sup> |                                                                              | ..... Milli-watts. |                                                                     |                     |                                                                          |  |  |  |  |  |  |  |                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |  |  |
| Buckingham Palace                                    |  |  |  | bca                                                                                                                                                            | cay             | .              | 46           | 33          | 28                       | 0.1               | 1      | .                               | 94 (15) | 71                                              | 1.2 0700 23 <sup>rd</sup> 4.05 0600 23 <sup>rd</sup> |                                                                              | ..... Milli-watts. |                                                                     |                     |                                                                          |  |  |  |  |  |  |  |                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |  |  |
| Marble Arch Observatory                              |  |  |  | .                                                                                                                                                              | .               | .              | 43           | 29          | 19                       | 2                 | -      | .                               | .       | .                                               |                                                      |                                                                              |                    |                                                                     |                     |                                                                          |  |  |  |  |  |  |  |                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |  |  |
| MAJOR DISTURBANCES<br>(Atmospheric)<br>AT GREENWICH. |  |  |  | TABLE SHOWING THE GREENWICH TIMES OF<br>SUNRISE, NOON, AND SUNSET FOR<br>STATIONS IN THE UNITED KINGDOM.<br>24 <sup>th</sup> & 25 <sup>th</sup> December 1921. |                 |                |              |             |                          |                   |        |                                 |         |                                                 |                                                      | BEAUFORT NOTATION OF WEATHER.                                                |                    |                                                                     |                     |                                                                          |  |  |  |  |  |  |  | The BEAUFORT SCALE of<br>WIND is used only for surface<br>observations. In the accom-<br>panying table the speed of the<br>wind corresponding with the<br>different numbers, is the speed<br>at about 30 feet above the<br>ground. |  |  |  |  |  |  |  |  |  |  |  | SEA DISTURBANCE. |  |  |  |  |  |  |  |  |  |  |  | Mean-<br>fort<br>No. |  |  |  |  |  |  |  |  |  |  |  | Statute miles<br>per hour. |  |  |  |  |  |  |  |  |  |  |  |
|                                                      |  |  |  | STATIONS.                                                                                                                                                      |                 |                | Sunrise.     |             |                          | Noon.             |        |                                 | Sunset. |                                                 |                                                      |                                                                              |                    |                                                                     |                     |                                                                          |  |  |  |  |  |  |  |                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |  |  |
|                                                      |  |  |  |                                                                                                                                                                |                 |                | G.M.T.       |             |                          | G.M.T.            |        |                                 | G.M.T.  |                                                 |                                                      |                                                                              |                    |                                                                     |                     |                                                                          |  |  |  |  |  |  |  |                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |  |  |
| Yarmouth                                             |  |  |  | 8.6                                                                                                                                                            |                 |                | 11.53        |             |                          | 3.40              |        |                                 |         |                                                 |                                                      |                                                                              |                    |                                                                     |                     |                                                                          |  |  |  |  |  |  |  |                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |  |  |
| Greenwich                                            |  |  |  | 8.7                                                                                                                                                            |                 |                | 12.0         |             |                          | 3.53              |        |                                 |         |                                                 |                                                      |                                                                              |                    |                                                                     |                     |                                                                          |  |  |  |  |  |  |  |                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |  |  |
| Wick                                                 |  |  |  | 9.5                                                                                                                                                            |                 |                | 12.12        |             |                          | 3.19              |        |                                 |         |                                                 |                                                      |                                                                              |                    |                                                                     |                     |                                                                          |  |  |  |  |  |  |  |                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |  |  |
| Valencia                                             |  |  |  | 8.51                                                                                                                                                           |                 |                | 12.41        |             |                          | 4.31              |        |                                 |         |                                                 |                                                      |                                                                              |                    |                                                                     |                     |                                                                          |  |  |  |  |  |  |  |                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |  |  |
|                                                      |  |  |  | 8.51                                                                                                                                                           |                 |                | 12.41        |             |                          | 4.32              |        |                                 |         |                                                 |                                                      |                                                                              |                    |                                                                     |                     |                                                                          |  |  |  |  |  |  |  |                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |  |  |

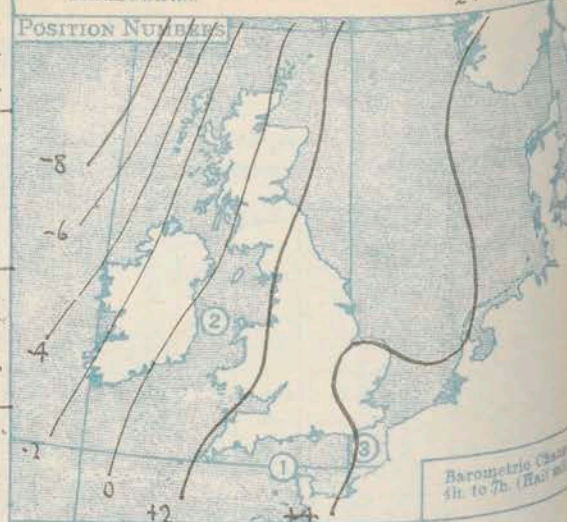


## SUMMARIES FOR THE PAST 24 HOURS.

| STATIONS.               | WEATHER. |          |         |        | TEMPERATURE. |             |                | RAINFALL.    |                |                      |                      | SUN. |
|-------------------------|----------|----------|---------|--------|--------------|-------------|----------------|--------------|----------------|----------------------|----------------------|------|
|                         | 7h-18h.  | 18h-24h. | 24h-1h. | 1h-7h. | MAX. Day.    | MIN. Night. | MIN. on GRASS. | Day. 7h-18h. | Night. 18h-7h. | Precipitation began. | Precipitation ended. |      |
| Lerwick                 | b        | s rts    | s rts   | c      | 37           | 29          | .              | 0.3          | 0.1            | 0800                 | 2100                 | .    |
| Stornoway               | b        | b        | b rts   | oo     | 38           | 32          | .              | 2            | -              | -                    | -                    | 0.3  |
| Wick                    | cirly    | irsg     | b rts   | b rts  | 40           | 28          | .              | 0.3          | 0.6            | 0800                 | 2100                 | .    |
| Castlebay               | b rts    | cirly    | b rts   | b rts  | 43           | 38          | .              | 2            | -              | -                    | -                    | 1.8  |
| Nairn                   | s rts    | s rts    | oo      | q      | 38           | 32          | .              | 0.3          | -              | 0900                 | -                    | 0.0  |
| Aberdeen                | prsh     | b rts    | b rts   | ps     | 39           | 33          | 28             | 2            | 0.3            | 0800                 | 2100                 | 1.4  |
| Malin Head              | cirly    | cirly    | b rts   | c      | 45           | 40          | .              | 1            | 0.4            | 0800                 | 2100                 | 0.1  |
| Renfrew                 | b rts    | b        | b rts   | oo     | 43           | 25          | 16             | Trace        | -              | -                    | -                    | 3.3  |
| Inchkeith               | b rts    | b rts    | b rts   | b rts  | 42           | 35          | 30             | -            | -              | -                    | -                    | .    |
| Esksdalemuir            | b rts    | b        | b rts   | b rts  | 39           | 24          | 17             | -            | -              | -                    | -                    | 2.6  |
| Tynemouth               | b rts    | PRH      | b rts   | b rts  | 42           | 31          | .              | 2            | -              | 1100                 | -                    | .    |
| Blacksod Point          | b rts    | b rts    | b rts   | b rts  | 46           | 33          | .              | 1            | -              | 1430                 | -                    | .    |
| Donaghadee              | ir       | b rts    | b rts   | b rts  | 44           | 30          | 24             | 0.1          | -              | 1230                 | -                    | 5.0  |
| Birr Castle             | c        | cirly    | c       | o      | 42           | 28          | 23             | 0.1          | -              | -                    | -                    | 4.5  |
| Baldonnell              | b rts    | b rts    | b rts   | oo     | 46           | 38          | 33             | 0.3          | 2              | 0900                 | 2100                 | 4.1  |
| Holyhead                | cirly    | b rts    | b rts   | b rts  | 44           | 37          | 29             | -            | -              | -                    | -                    | 0.6  |
| Liverpool (Bidston)     | b rts    | c        | b rts   | b rts  | 44           | 27          | .              | 1            | -              | 0800                 | -                    | .    |
| Chester (Shutwick)      | prsh     | q        | b rts   | b rts  | 46           | 33          | 30             | 0.1          | 1              | -                    | -                    | .    |
| Howden                  | b rts    | r rts    | b rts   | p      | 44           | 33          | .              | 2            | 0.1            | 1430                 | 0130                 | 1.6  |
| Spurn Head              | oo       | oo       | b rts   | b rts  | 45           | 33          | 28             | 0.4          | -              | 1100                 | -                    | 0.0  |
| Nottingham              | c        | r rts    | b rts   | b rts  | 44           | 30          | 27             | 0.5          | -              | 1330                 | -                    | 0.0  |
| Cranwell                | b rts    | cirly    | b rts   | b rts  | 44           | 33          | 32             | 0.4          | 4              | 1330                 | 2100                 | 2.4  |
| Gorleston               | p        | c        | b rts   | b rts  | 43           | 34          | 29             | 1            | 2              | 1330                 | 2400                 | 1.5  |
| Pulham                  | c        | oo       | ir      | c rts  | 45           | 33          | 30             | 0.1          | 1              | 1730                 | 2100                 | 1.9  |
| Felixstowe              | b rts    | b rts    | b rts   | b rts  | 49           | 40          | 38             | 2            | 0.1            | 0800                 | 2100                 | 2.7  |
| Valencia (Cahirovee)    | b rts    | b rts    | b rts   | b rts  | 48           | 36          | .              | -            | 0.1            | -                    | -                    | .    |
| Roches Point            | b rts    | b rts    | b rts   | b rts  | 47           | 36          | .              | -            | -              | -                    | -                    | 3.3  |
| Pembroke (St. Ann's H.) | b rts    | b rts    | b rts   | b rts  | 46           | 31          | 22             | Trace        | -              | 1230                 | -                    | 4.2  |
| Ross-on-Wye             | b rts    | b rts    | b rts   | b rts  | 46           | 28          | 18             | 2            | 0.4            | 1330                 | 2100                 | .    |
| Benson                  | b rts    | b rts    | b rts   | b rts  | 48           | 27          | 20             | 1            | Trace          | 1430                 | 2100                 | 5.1  |
| S. Farnborough          | b rts    | b rts    | b rts   | b rts  | 46           | 33          | 27             | 1            | 1              | 1730                 | 2100                 | 2.5  |
| London (Kew Obs.)       | b rts    | b rts    | b rts   | b rts  | 46           | 31          | 25             | Trace        | 1              | 1230                 | 2100                 | 4.2  |
| Croydon                 | b rts    | b rts    | b rts   | b rts  | 45           | 32          | 27             | -            | 0.2            | -                    | 2100                 | 3.0  |
| Clacton-on-Sea          | b rts    | b rts    | b rts   | b rts  | 46           | 32          | 29             | -            | -              | -                    | -                    | 2.4  |
| Shoeburyness            | b rts    | b rts    | b rts   | b rts  | 45           | 32          | 29             | Trace        | 1              | 1730                 | 2100                 | 2.3  |
| Grain                   | b rts    | b rts    | b rts   | b rts  | 45           | 31          | 27             | Trace        | 2              | 0900                 | 2100                 | 4.3  |
| Lympne                  | b rts    | b rts    | b rts   | b rts  | 50           | 44          | .              | 2            | -              | 0800                 | -                    | 2.6  |
| Seilly (St. Mary's)     | b rts    | b rts    | b rts   | b rts  | 48           | 40          | .              | 2            | 1              | 1730                 | 2100                 | 4.0  |
| Falmouth (Pendennis)    | b rts    | b rts    | b rts   | b rts  | 48           | 34          | 30             | 0.4          | 0.4            | -                    | -                    | 4.0  |
| Plymouth                | b rts    | b rts    | b rts   | b rts  | 52           | 44          | .              | -            | -              | -                    | -                    | .    |
| Portland Bill           | b rts    | b rts    | b rts   | b rts  | 47           | 32          | 30             | -            | -              | -                    | -                    | 6.3  |
| Calicut                 | b rts    | b rts    | b rts   | b rts  | 48           | 32          | .              | -            | -              | -                    | -                    | .    |
| Dungeness               | b rts    | b rts    | b rts   | b rts  | 49           | 42          | .              | 2            | -              | 1230                 | -                    | 0.5  |
| Jersey                  | b rts    | b rts    | b rts   | b rts  | 49           | 42          | .              | 2            | -              | 1230                 | -                    | 0.5  |

## ISALLOBARS.

24th Dec.



Observations from Cross Channel Steamers.

| Position. | Date and Time. | Steamship. | Wind. |        | Weather. | Air. |
|-----------|----------------|------------|-------|--------|----------|------|
|           |                |            | Dir.  | Force. |          |      |
| 2         | 23rd 1000      | Anglia     | NW    | 6      | ch       | 51   |
| 1         | 23rd 1300      | Reindeer   | NW    | 7      | PR-      | 48   |

## GENERAL INFERENCE.

Another trough of low pressure lies off the west of Ireland and weather will soon be milder again in the West, with South-West winds and rain. In the Eastern districts frosty weather may last over Sunday.

## Districts.

Forecasts for the 24 hours commencing 15h.G.M.T. Saturday, 24th December, 1921.

## Further Outlook.

|                           |                                                                                                                         |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------|
| 1. S.E. England           | Wind N.W., light or moderate; mainly fair, night frost, visibility fair to good; rather cold.                           |
| 2. E. England             |                                                                                                                         |
| 3. E. Midlands            |                                                                                                                         |
| 4. W. Midlands            | Wind N.W., backing towards S.W., light, then freshening; fine early, probably some rain later, visibility fair; milder. |
| 5. S.W. England           |                                                                                                                         |
| 6. South Wales            |                                                                                                                         |
| 7. North Wales            |                                                                                                                         |
| 8. N.W. England           | Same as 1 - 3.                                                                                                          |
| 9. N. Midlands            |                                                                                                                         |
| 10. N.E. England          | Same as 4 - 8.                                                                                                          |
| 11. E. Scotland           |                                                                                                                         |
| 12. S.W. Scotland         | Wind S.W. to N.W., fresh or strong; dull, some rain, with hail or sleet later, visibility fair; milder.                 |
| 13. Isle of Man           |                                                                                                                         |
| 14. N. & N.W. Scotland    |                                                                                                                         |
| 15. Hebrides              |                                                                                                                         |
| 16. Orkneys and Shetlands | Wind S.W., veering W. or N.W., moderate to strong; dull, rain at times, visibility fair; milder.                        |
| 17. N.W. Ireland          |                                                                                                                         |
| 18. N.E. Ireland          |                                                                                                                         |
| 19. S.E. Ireland          |                                                                                                                         |
| 20. S.W. Ireland          |                                                                                                                         |

Wind mainly from a Western point, with changeable weather.







# AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4.

BRITISH SECTION. *Saturday* 24<sup>th</sup> December 1921.

No. 358.

| STATIONS                | Observations at 0100 G.M.T. 24 <sup>th</sup> |       |       |          |           |             |                    |                            |        |      |      |      | Observations at 0700 G.M.T. 24 <sup>th</sup> |       |       |          |           |             |                    |                            |        |       |      |            |
|-------------------------|----------------------------------------------|-------|-------|----------|-----------|-------------|--------------------|----------------------------|--------|------|------|------|----------------------------------------------|-------|-------|----------|-----------|-------------|--------------------|----------------------------|--------|-------|------|------------|
|                         | Barom. at M.S.L. Change in 3 Hours.          | Wind. |       | Weather. | Temp. °F. | Humidity. % | Visibility. Miles. | Height of Low Cloud. Feet. | Cloud. |      |      | Sea. | Barom. at M.S.L. Change in 3 Hours.          | Wind. |       | Weather. | Temp. °F. | Humidity. % | Visibility. Miles. | Height of Low Cloud. Feet. | Cloud. |       |      |            |
|                         |                                              | Dir.  | Force |          |           |             |                    |                            | Form.  | Amt. | Dir. |      |                                              | Force | Form. |          |           |             |                    |                            | Amt.   | Form. | Amt. | Total Amt. |
|                         |                                              |       |       |          |           |             |                    |                            |        |      |      |      |                                              |       |       |          |           |             |                    |                            |        |       |      |            |
| Lerwick                 | 1015.5 +5                                    | NNW   | 6     | b        | 34        | 97          | 6                  | 4000                       | CuNb   | 7    | -    | 7    | 1014.9 +2                                    | NNW   | 4     | bc       | 33        | 97          | 6                  | -                          | CuNb   | 4     | -    | 4          |
| Stornoway               | 1014.2 +2                                    | -     | 0     | b        | 35        | 85          | 7                  | -                          | -      | -    | -    | -    | 1014.3 -3                                    | SW    | 2     | o+       | 37        | 92          | 5                  | 800                        | St     | 10    | -    | 10         |
| Wick                    | 1014.2 +3                                    | NNW   | 2     | b        | 35        | 85          | 7                  | 2500                       | 2.4    | 3    | -    | 3    | 1014.4 0                                     | W     | 2     | b        | 28        | 97          | 8                  | 7250                       | St     | 10    | -    | 10         |
| Castellbay              | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -    | -    | -    | 1021.5 -3                                    | SW    | 4     | o        | 45        | 85          | 7                  | 1500                       | Sr     | 10    | -    | 10         |
| Nairn                   | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -    | -    | -    | 1021.3 -                                     | -     | 0     | 34       | 85        | 8           | 1500               | St                         | 10     | -     | 10   |            |
| Aberdeen                | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -    | -    | -    | 1021.2 +1                                    | NW    | 3     | cl       | 34        | 85          | 8                  | 4000                       | St     | 7     | -    | 7          |
| Malin Head              | 1015.1 +3                                    | NW    | 1     | b        | 42        | 97          | 8                  | 4000                       | Cu     | 1    | A.Cu | 2    | 1013.9 -2                                    | SW    | 1     | o+       | 41        | 97          | 8                  | 4000                       | St     | 10    | -    | 10         |
| Benfrew                 | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -    | -    | -    | 1012.5 0                                     | -     | 0     | b        | 25        | 92          | 5                  | -                          | -      | 0     | -    | 0          |
| Inchkeith               | 1014.3 +3                                    | WNW   | 3     | bv       | 36        | 75          | 9                  | -                          | -      | 0    | -    | 0    | 1012.3 +2                                    | WNW   | 3     | ov       | 35        | 85          | 9                  | -                          | -      | 0     | -    | 0          |
| Biskdalemuir            | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -    | -    | -    | 1012.1 +1                                    | NW    | 1     | b        | 26        | 85          | 7                  | -                          | -      | 0     | -    | 0          |
| Tynemouth               | 1012.2 +3                                    | W     | 2     | b        | 32        | 85          | 7                  | -                          | -      | 0    | -    | 0    | 1012.4 +3                                    | WNW   | 3     | b+       | 32        | 75          | 6                  | 2500                       | St     | 2     | -    | 2          |
| Blackod Point           | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -    | -    | -    | 1012.7 0                                     | W     | 1     | bc       | 34        | 85          | 8                  | -                          | -      | 0     | Cu   | 5          |
| Donaghadee              | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -    | -    | -    | 1012.9 +                                     | SE    | 1     | od+      | 35        | 97          | 4                  | 450                        | St     | 10    | -    | 10         |
| Birr Castle             | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -    | -    | -    | 1012.9 0                                     | SW    | 3     | o        | 36        | 85          | 7                  | 1500                       | St     | 10    | -    | 10         |
| Baldonnell              | 1017.6 +3                                    | SWW   | 2     | b        | 30        | 92          | 8                  | -                          | -      | 0    | -    | 0    | 1012.6 +2                                    | NNW   | 5     | bc       | 43        | 75          | 8                  | 2500                       | Cu     | 3     | A.Cu | 1          |
| Halyshead               | 1012.4 +1                                    | NNW   | 4     | b        | 32        | 85          | 7                  | 450                        | St     | 10   | -    | 10   | 1012.1 +1                                    | NNW   | 2     | b        | 39        | 65          | 8                  | 4000                       | St     | 1     | -    | 0          |
| Liverpool (Bidston)     | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -    | -    | -    | 1012.0 +3                                    | -     | 0     | b        | 24        | 75          | 9                  | -                          | -      | 0     | -    | 0          |
| Chester (Sholwick)      | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -    | -    | -    | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -     | -    | -          |
| Howden                  | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -    | -    | -    | 1012.0 +3                                    | NW    | 6     | cl       | 35        | 85          | 7                  | 5750                       | St     | 8     | -    | 8          |
| Spurn Head              | 1017.3 +3                                    | NW    | 7     | b        | 37        | 85          | 8                  | -                          | -      | 0    | -    | 0    | 1012.3 +3                                    | NNW   | 3     | b        | 33        | 75          | 4                  | -                          | -      | 0     | -    | 0          |
| Nottingham              | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -    | -    | -    | 1012.1 +3                                    | NNW   | 5     | b        | 31        | 75          | 8                  | -                          | -      | 0     | -    | 0          |
| Cranwell                | 1012.0 +4                                    | NW    | 4     | b        | 32        | 75          | 8                  | -                          | -      | 0    | -    | 0    | 1012.8 +2                                    | NW    | 4     | cl       | 34        | 97          | 8                  | 4000                       | CuNb   | 7     | -    | 10         |
| Gorleston               | 1015.8 +3                                    | N     | 5     | b        | 32        | 85          | 8                  | 4000                       | CuNb   | 4    | -    | 4    | 1012.7 +6                                    | NW    | 4     | o        | 34        | 75          | 7                  | 4000                       | St     | 10    | -    | 10         |
| Pulham                  | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -    | -    | -    | 1012.3 +4                                    | NNW   | 4     | b/r      | 34        | 75          | 8                  | -                          | -      | 0     | -    | 0          |
| Pelissotwe              | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -    | -    | -    | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -     | -    | -          |
| Valencia (Cabrilscon)   | 1012.0 +1                                    | NNW   | 1     | b        | 46        | 75          | 6                  | -                          | -      | -    | -    | -    | 1012.3 -1                                    | SE    | 2     | od       | 41        | 92          | 7                  | 1500                       | St     | 3     | A.St | 10         |
| Rothes Point            | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -    | -    | -    | 1012.2 0                                     | N     | 1     | o        | 34        | 92          | 8                  | 2500                       | St     | 10    | -    | 10         |
| Pembroke (St. Ann's H.) | 1015.7 +4                                    | NNW   | 4     | cl       | 41        | 85          | 9                  | 2500                       | Cu     | 7    | -    | 7    | 1012.9 +2                                    | NW    | 2     | b        | 41        | 85          | 9                  | -                          | -      | 0     | -    | 0          |
| Rose-on-Wye             | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -    | -    | -    | 1012.7 +2                                    | W     | 1     | b        | 32        | 75          | 8                  | -                          | -      | 0     | -    | 0          |
| Benson                  | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -    | -    | -    | 1012.4 +4                                    | NW    | 1     | b        | 30        | 85          | 8                  | -                          | -      | 0     | -    | 0          |
| S. Farnborough          | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -    | -    | -    | 1012.1 +3                                    | WIS   | 2     | b        | 27        | 75          | 8                  | -                          | -      | 0     | -    | 0          |
| London (Kew Obs.)       | -                                            | -     | -     | -        | 37        | -           | -                  | -                          | -      | -    | -    | -    | 1012.1 +3                                    | NW    | 2     | b/r      | 34        | 65          | 8                  | -                          | -      | 0     | -    | 0          |
| Croydon                 | 1012.4 +5                                    | NNW   | 3     | b/r      | 35        | 75          | 8                  | -                          | -      | 0    | -    | 0    | 1012.7 +4                                    | NW    | 2     | b        | 31        | 75          | 5                  | -                          | -      | 0     | -    | 0          |
| Clacton-on-Sea          | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -    | -    | -    | 1012.8 +4                                    | NW    | 4     | bc       | 33        | 75          | 8                  | -                          | -      | 0     | A.Cu | 0          |
| Shesharyness            | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -    | -    | -    | 1012.0 +3                                    | NNW   | 5     | b        | 33        | 65          | 7                  | 4000                       | St     | 1     | -    | 1          |
| Grain                   | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -    | -    | -    | 1012.9 +5                                    | NNW   | 4     | b/r      | 32        | 65          | 7                  | 4000                       | St     | 1     | -    | 1          |
| Lymington               | 1017.6 +5                                    | NW    | 5     | b/r      | 34        | 97          | 8                  | -                          | -      | 0    | -    | 0    | 1012.8 +4                                    | NNW   | 6     | b        | 31        | 85          | 8                  | -                          | -      | 0     | -    | 0          |
| Seilly (St. Mary's)     | 1015.9 +1                                    | N     | 5     | b        | 36        | 47          | 4                  | 4000                       | Cu     | 2    | -    | 2    | 1012.7 +2                                    | N     | 3     | b        | 45        | 97          | 9                  | 4000                       | Cu     | 2     | -    | 2          |
| Falmouth (Pendennis)    | 1015.5 +3                                    | NNW   | 5     | b        | 44        | 65          | 8                  | 4000                       | CuNb   | 4    | -    | 4    | 1012.4 +2                                    | -     | 0     | cl       | 41        | 75          | 8                  | 1500                       | CuNb   | 7     | -    | 7          |
| Flymouth                | -                                            | -     | -     | -        | -         | -           | -                  | -                          | -      | -    | -    | -    | 1012.6 +3                                    | NE    | 1     | b        | 35        | 92          | 8                  | -                          | -      | 0     | -    | 0          |
| Portland Bill           | 1012.5 +4                                    | NNW   | 4     | b        | 47        | 85          | 8                  | -                          | -      | 0    | -    | 0    | 1012.4 +3                                    | N     | 4     | b        | 47        | 85          | 8                  | -                          | -      | 0     | -    | 0          |
| Cahoon                  | 1011.5 +5                                    | N     | 4     | b        | 37        | 75          | 8                  | -                          | -      | 0    | -    | 0    | 1012.3 +3                                    | WNW   | 3     | b        | 32        | 75          | 8                  | -                          | -      | 0     | -    | 0          |
| Dungeness               | 1011.7 +5                                    | NNE   | 3     | b        | 37        | 85          | 8                  | -                          | -      | 0    | -    | 0    | 1012.7 +4                                    | NNE   | 4     | b        | 32        | 85          | 8                  | -                          | -      | 0     | -    | 0          |
| Jersey (Th.)            | 1012.0 +5                                    | N     | 6     | b        | 44        | 65          | 8                  | 5750                       | CuNb   | 3    | -    | 3    | 1012.2 +1                                    | NE    | 3     | bc       | 42        | 65          | 8                  | 4000                       | St     | 4     | -    | 4          |

### WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 23<sup>rd</sup> December

| WEATHER.              |            | TEMPERATURE. |           | RAINFALL†   |                | SUNSHINE.    |                    | STATIONS.                    |            | WEATHER.    |           | TEMPERATURE. |                | RAINFALL†    |                    | SUNSHINE. |            |             |           |             |                |              |                    |
|-----------------------|------------|--------------|-----------|-------------|----------------|--------------|--------------------|------------------------------|------------|-------------|-----------|--------------|----------------|--------------|--------------------|-----------|------------|-------------|-----------|-------------|----------------|--------------|--------------------|
| STATIONS.             | Fore-noon. | After-noon.  | Max. Day. | Min. Night. | Night 12h.-6h. | Day 6h.-12h. | Sunrise to Sunset. | STATIONS.                    | Fore-noon. | After-noon. | Max. Day. | Min. Night.  | Night 12h.-6h. | Day 6h.-12h. | Sunrise to Sunset. | STATIONS. | Fore-noon. | After-noon. | Max. Day. | Min. Night. | Night 12h.-6h. | Day 6h.-12h. | Sunrise to Sunset. |
|                       |            |              |           |             | mm.            | mm.          | hr.                |                              |            |             |           |              | mm.            | mm.          | hr.                |           |            |             |           |             |                |              | hr.                |
| Banff ... ..          | chpc       | cbcy         | 41        | 38          | 4              | 0.2          | 0.7                | Paignton ... ..              | bcpq       | bcpq        | 49        | 40           | 2              | 0.3          | 4.2                |           |            |             |           |             |                |              |                    |
| Montrose ... ..       | cb         | c            | 40        | 35          | 1              | -            | 2.5                | Hilfracombe ... ..           | occ        | ocbec       | 45        | 43           | 4              | -            | 1.6                |           |            |             |           |             |                |              |                    |
| Llandudno ... ..      | bhc        | c            | 46        | 42          | 2              | 0.2          | 0.6                | Bide ... ..                  | portx      | bcp         | 51        | 43           | 6              | 0.5          | 3.0                |           |            |             |           |             |                |              |                    |
| Colwyn Bay ... ..     | ch         | chpc         | 45        | 41          | 6              | 2            | 0.6                | Pennance ... ..              | oghr       | bcc         | 50        | 43           | 6              | 1            | 6.1                |           |            |             |           |             |                |              |                    |
| Rhyl ... ..           | cb         | bcc          | 46        | 41          | 5              | 0.7          | 0.8                | Torquay ... ..               | b          | b           | 51        | 41           | 3              | 0.2          | 5.2                |           |            |             |           |             |                |              |                    |
| Southport ... ..      | cbcb       | cbpc         | 45        | 42          | 0.2            | -            | 3.2                | Weymouth ... ..              | bcc        | bcb         | 50        | 42           | 1              | -            | 4.6                |           |            |             |           |             |                |              |                    |
| Blackpool ... ..      | c          | bc           | 45        | 42          | 2              | -            | 2.5                | Bournemouth ... ..           | b          | b           | 48        | 39           | -              | -            | 6.2                |           |            |             |           |             |                |              |                    |
| Harrogate ... ..      | bcb        | b            | 43        | 36          | 0.5            | -            | 1.4                | Portsmouth (S' theca) ... .. | b bc       | bcr         | 47        | 39           | 3              | 1            | 6.0                |           |            |             |           |             |                |              |                    |
| Skewness ... ..       | obc        | bcr          | 45        | 34          | -              | 2            | 2.8                | Worthing ... ..              | b          | or          | 48        | 40           | 3              | 3            | 5.4                |           |            |             |           |             |                |              |                    |
| Aberystwyth ... ..    | cab        | coo          | 46        | 44          | 3              | -            | 1.5                | Brighton ... ..              | bc         | bccor       | 49        | 41           | 0.7            | 3            | 6.3                |           |            |             |           |             |                |              |                    |
| Bath ... ..           | bcc        | p bcb        | 47        | 38          | 4              | -            | 3.6                | Eastbourne ... ..            | bc         | bccor       | 49        | 41           | 0.7            | 3            | -                  |           |            |             |           |             |                |              |                    |
| Leamington Spa ... .. | or         | or           | 45        | 37          | 0.2            | 3            | 0.0                | Hastings ... ..              | b          | bcc         | 46        | 39           | 4              | -            | 4.5                |           |            |             |           |             |                |              |                    |
| Lowestoft ... ..      | bcc        | cop          | 47        | 37          | -              | 0.9          | 2.8                | Folkestone ... ..            | bac        | c           | 48        | 38           | -              | 0.3          | 3.4                |           |            |             |           |             |                |              |                    |
| Felixstowe ... ..     | b          | bcm          | 44        | 38          | -              | -            | 2.1                | Tanbridge Wells ... ..       | bcc        | opo         | 46        | 37           | 1              | -            | 1.2                |           |            |             |           |             |                |              |                    |
| Southend ... ..       | b          | bc           | 51        | 37          | 0.2            | -            | 2.2                | Ramsgate ... ..              | obc        | o           | 45        | 38           | -              | -            | 3.0                |           |            |             |           |             |                |              |                    |
|                       |            |              |           |             |                |              |                    | Margate ... ..               | mb         | bcc         | 46        | 39           | 4              | -            | 3.7                |           |            |             |           |             |                |              |                    |
|                       |            |              |           |             |                |              |                    | Deal ... ..                  | bcpq       | bcpq        | 49        | 44           | 2              | 1            | -                  |           |            |             |           |             |                |              |                    |
|                       |            |              |           |             |                |              |                    | Falmouth ... ..              | bcpq       | bcpq        | 49        | 44           | 2              | 1            | -                  |           |            |             |           |             |                |              |                    |

\* Information for these columns not usually received

† Trace = rain has fallen, but amount less than 0.1 mm.

‡ For code see page 3.

§ See foot-note page 1.



# AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B.21948

SUNDAY 25<sup>th</sup> DECEMBER 1921.

Page 1.

BRITISH SECTION.

No. 454

15th December 1921.

Page 1.

| STATIONS.               | Barom. at M.S.L.   | Observations at 1800 G.M.T. 24 <sup>th</sup> | Barom. at M.S.L. | Observations at 1800 G.M.T. 24 <sup>th</sup> | Barom. at M.S.L. | Observations at 1800 G.M.T. 24 <sup>th</sup> | Barom. at M.S.L.     | Observations at 1800 G.M.T. 24 <sup>th</sup> | Barom. at M.S.L. | Observations at 1800 G.M.T. 24 <sup>th</sup> |                    |        |          |        |           |             |                      |        |        |        |     |      |    |    |   |    |   |
|-------------------------|--------------------|----------------------------------------------|------------------|----------------------------------------------|------------------|----------------------------------------------|----------------------|----------------------------------------------|------------------|----------------------------------------------|--------------------|--------|----------|--------|-----------|-------------|----------------------|--------|--------|--------|-----|------|----|----|---|----|---|
|                         | Change in 3 Hours. | Wind.                                        | Weather.         | Temp.                                        | Humidity.        | Visibility.                                  | Height of Low Cloud. | Cloud.                                       | Sun.             | Barom. at M.S.L.                             | Change in 3 Hours. | Wind.  | Weather. | Temp.  | Humidity. | Visibility. | Height of Low Cloud. | Cloud. | Sun.   |        |     |      |    |    |   |    |   |
|                         |                    | Direc.                                       | Force            |                                              |                  |                                              |                      | Low.                                         | Upper.           | Total.                                       |                    | Direc. | Force    |        |           |             |                      | Low.   | Upper. | Total. |     |      |    |    |   |    |   |
|                         |                    | 0-12                                         |                  | °F.                                          | %                | 0-9                                          | Feet                 | 0-10                                         |                  | 0-10                                         | 0-9                | 0-12   |          | °F.    | %         | 0-9         | Feet                 | 0-10   |        | 0-10   | 0-9 |      |    |    |   |    |   |
|                         |                    |                                              |                  |                                              |                  |                                              |                      |                                              |                  |                                              |                    |        |          |        |           |             |                      |        |        |        |     |      |    |    |   |    |   |
| Lerwick                 | 1014.5             | -4                                           | SW               | 1                                            | bc               | 38                                           | 75                   | 8                                            | -                | -                                            | -                  | 1014.5 | -9       | SSW    | 5         | ov          | 38                   | 97     | 6      | 2500   | Nb  | 10   | -  | 10 | 4 |    |   |
| Stornoway               | 1011.5             | -7                                           | S                | 4                                            | ov               | 43                                           | 97                   | 5                                            | 450              | ST                                           | 10                 | -      | 10       | 1011.5 | -3        | W           | 4                    | ov     | 45     | 97     | 5   | 450  | ST | 10 | - | 10 | 3 |
| Wick                    | 1014.9             | -6                                           | SW               | 3                                            | 0                | 37                                           | 97                   | 8                                            | 1500             | ST                                           | 2                  | A.S.T. | 10       | 1014.9 | -9        | SW          | 5                    | ov     | 40     | 97     | 8   | 800  | ST | 10 | - | 10 | 4 |
| Castlebay               | 1014.2             | -9                                           | SW               | 4                                            | ov               | 49                                           | 97                   | 4                                            | 800              | Nb                                           | 10                 | -      | 10       | 1014.2 | -6        | WNW         | 4                    | ov     | 47     | 97     | 7   | 1500 | ST | 10 | - | 10 | 4 |
| Nairn                   | 1018.9             | -4                                           | SW               | 2                                            | 0                | 36                                           | 85                   | 5                                            | 5750             | ST                                           | 10                 | -      | 10       | 1018.9 | -8        | SW          | 3                    | ov     | 41     | 85     | 8   | 1500 | ST | 6  | - | 6  | - |
| Aberdeen                | 1018.9             | -4                                           | SW               | 2                                            | 0                | 36                                           | 85                   | 5                                            | 5750             | ST                                           | 10                 | -      | 10       | 1018.9 | -8        | SW          | 3                    | ov     | 41     | 85     | 8   | 1500 | ST | 6  | - | 6  | - |
| Malin Head              | 1017.0             | -8                                           | SW               | 3                                            | 0                | 45                                           | 97                   | 8                                            | 4000             | ST                                           | 10                 | -      | 10       | 1017.0 | -4        | SW          | 3                    | ov     | 51     | 97     | 7   | 4000 | Nb | 10 | - | 10 | 2 |
| Renfrew                 | 1020.9             | -5                                           | -                | 0                                            | ff               | 35                                           | 85                   | 2                                            | 450              | ST                                           | 10                 | -      | 10       | 1020.9 | -5        | S           | 2                    | ov     | 42     | 97     | 5   | 800  | Nb | 10 | - | 10 | - |
| Incheith                | 1020.7             | +3                                           | W                | 3                                            | no               | 36                                           | 85                   | 3                                            | -                | -                                            | -                  | A.S.T. | 10       | 1020.7 | -7        | WSW         | 3                    | ov     | 40     | 97     | 9   | -    | Nb | 10 | - | 10 | 3 |
| Edinburgh               | 1022.6             | -3                                           | S                | 3                                            | 65               | 33                                           | 85                   | 8                                            | 1500             | Nb                                           | 10                 | -      | 10       | 1022.6 | -6        | S           | 3                    | ov     | 36     | 97     | 4   | 2500 | Nb | 10 | - | 10 | - |
| Tynemouth               | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 8        | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Blackhead Point         | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Dunghaden               | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Birr Castle             | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Baldonnell              | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Holyhead                | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Liverpool (Bidston)     | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Chester (Shotwick)      | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Howden                  | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Spurn Head              | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Nottingham              | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Cranwell                | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Gorleston               | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Pulham                  | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Felixstowe              | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Valencia (Chirivire)    | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Roches Point            | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Pembroke (St. Ann's H.) | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Ross-on-Wye             | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Benson                  | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| S. Farnborough          | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| London (New Gbry.)      | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Croydon                 | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Chatham-on-Sea          | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Shoeburyness            | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Grain                   | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Lympne                  | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Boilly (St. Mary's)     | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Palmouth (Pendennis)    | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Plymouth                | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Portland Bill           | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Calshot                 | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Dungeness               | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |
| Jersey                  | 1022.2             | -2                                           | WNW              | 2                                            | 0                | 35                                           | 75                   | 5                                            | -                | -                                            | -                  | A.S.T. | 10       | 1022.2 | -3        | WSW         | 2                    | ov     | 38     | 97     | 5   | 4000 | Nb | 10 | - | 10 | 2 |

| LONDON OBSERVATIONS                                                                             | WEATHER.                                    | TEMPERATURE.                                       | RAIN-FALL.                                  | SUN-SHINE.                                  | HUMIDITY.                                   | ATMOSPHERIC POLLUTION.                      | SOLAR RADIATION.                            | POLAR STAR RECORDED AT GREENWICH OBS.       |                                             |                                             |                                                 |                                             |                                             |       |         |
|-------------------------------------------------------------------------------------------------|---------------------------------------------|----------------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|-------------------------------------------------|---------------------------------------------|---------------------------------------------|-------|---------|
| Morning.                                                                                        | Afternoon.                                  | Night.                                             | Max. of.                                    | Min. of.                                    | Min. on Grass.                              | Day.                                        | Night.                                      | hrs.                                        | 10h. G.M.T.                                 | 9h. G.M.T.                                  | Lbs. of Solid Impurity per million cubic yards. | Verbal comparison of squares estimated.     | Exposure from Greenwich Obs.                |       |         |
| 24 hours ended 0900 G.M.T. 25 <sup>th</sup>                                                     | 24 hours ended 0900 G.M.T. 25 <sup>th</sup> | 24 hours ended 0900 G.M.T. 25 <sup>th</sup>        | 24 hours ended 0900 G.M.T. 25 <sup>th</sup> | 24 hours ended 0900 G.M.T. 25 <sup>th</sup> | 24 hours ended 0900 G.M.T. 25 <sup>th</sup> | 24 hours ended 0900 G.M.T. 25 <sup>th</sup> | 24 hours ended 0900 G.M.T. 25 <sup>th</sup> | 24 hours ended 0900 G.M.T. 25 <sup>th</sup> | 24 hours ended 0900 G.M.T. 25 <sup>th</sup> | 24 hours ended 0900 G.M.T. 25 <sup>th</sup> | 24 hours ended 0900 G.M.T. 25 <sup>th</sup>     | 24 hours ended 0900 G.M.T. 25 <sup>th</sup> | 24 hours ended 0900 G.M.T. 25 <sup>th</sup> |       |         |
| Kew                                                                                             | bc                                          | bc                                                 | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                              | bc                                          | bc                                          |       |         |
| Croydon                                                                                         | bc                                          | bc                                                 | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                              | bc                                          | bc                                          |       |         |
| Greenwich (Royal Obs.)                                                                          | bc                                          | bc                                                 | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                              | bc                                          | bc                                          |       |         |
| City (Bomhill Row)                                                                              | bc                                          | bc                                                 | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                              | bc                                          | bc                                          |       |         |
| Westminster (St. James' Pk.)                                                                    | bc                                          | bc                                                 | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                              | bc                                          | bc                                          |       |         |
| Regents Pk. (Botanical Gds.)                                                                    | bc                                          | bc                                                 | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                              | bc                                          | bc                                          |       |         |
| Camden Sq. (Brit. Rainfall)                                                                     | bc                                          | bc                                                 | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                              | bc                                          | bc                                          |       |         |
| Kensington Palace                                                                               | bc                                          | bc                                                 | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                              | bc                                          | bc                                          |       |         |
| Hamstead Observatory                                                                            | bc                                          | bc                                                 | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                          | bc                                              | bc                                          | bc                                          |       |         |
| TABLE SHOWING THE GREENWICH TIMES OF RISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. | STATIONS.                                   | 25 <sup>th</sup> & 26 <sup>th</sup> December 1921. | Sunrise.                                    | Noon.                                       | Sunset.                                     | BEAUFORT NOTATION OF WEATHER.               | Sun.                                        | Sunrise.                                    | Noon.                                       | Sunset.                                     | SEA DISTURBANCE.                                | Sun.                                        | Sunrise.                                    | Noon. | Sunset. |
| G.M.T.                                                                                          |                                             |                                                    |                                             |                                             |                                             |                                             |                                             |                                             |                                             |                                             |                                                 |                                             |                                             |       |         |

| LONDON OBSERVATIONS.                                                                               |  |  |            |  |  |        |  |  |  | ATMOSPHERIC POLLUTION.                        |  |          |  | SOLAR RADIATION.  |  | POLE STAR BEYOND 31 |  |                                            |  |                                                                                                                                                                                                                                                                                                  |  |                     |  |                   |  |                                                 |  |                   |  |                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                  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|----------------------------------------------------------------------------------------------------|--|--|------------|--|--|--------|--|--|--|-----------------------------------------------|--|----------|--|-------------------|--|---------------------|--|--------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------|--|-------------------|--|-------------------------------------------------|--|-------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------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| WEATHER.                                                                                           |  |  |            |  |  |        |  |  |  | TEMPERATURE.                                  |  |          |  | RAINFALL.         |  | HUMIDITY.           |  | Verbal component per square centimetre.    |  | Greenwich Observatory.                                                                                                                                                                                                                                                                           |  |                     |  |                   |  |                                                 |  |                   |  |                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                  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| Morning.                                                                                           |  |  | Afternoon. |  |  | Night. |  |  |  | Max. of.                                      |  | Min. of. |  | Min. on Grass of. |  | Day.                |  | Night.                                     |  | Sun-shine to Sunset.                                                                                                                                                                                                                                                                             |  | 15h. G.M.T.         |  | 9h. G.M.T.        |  | Lies of Solid Impurity per million cubic yards. |  | During yesterday. |  | Exposure from                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| 24 HOURS ENDED 0000 G.M.T. 25 <sup>th</sup>                                                        |  |  |            |  |  |        |  |  |  | YESTERDAY.                                    |  |          |  | TO-DAY.           |  |                     |  | 24 Hrs. ended 1800 G.M.T. 24 <sup>th</sup> |  | Total                                                                                                                                                                                                                                                                                            |  | Stars.              |  | Exposure.         |  | Record.                                         |  |                   |  |                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                  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| Kew                                                                                                |  |  |            |  |  |        |  |  |  | b.c.                                          |  |          |  | 35                |  |                     |  | 35                                         |  |                                                                                                                                                                                                                                                                                                  |  | South Kensington    |  | South Kensington. |  | h. m.                                           |  | m.                |  |                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                  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| Croydon                                                                                            |  |  |            |  |  |        |  |  |  | b.c.                                          |  |          |  | 33                |  |                     |  | 4.2                                        |  |                                                                                                                                                                                                                                                                                                  |  | Max. Time Min. Time |  | Total             |  | h. m.                                           |  | h. m.             |  |                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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| Greenwich (Royal Obs.)                                                                             |  |  |            |  |  |        |  |  |  | b                                             |  |          |  | 34                |  |                     |  | 3.5                                        |  |                                                                                                                                                                                                                                                                                                  |  | Max. Time Min. Time |  | Average Rate      |  | h. m.                                           |  | h. m.             |  |                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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| City (Banhill Row)                                                                                 |  |  |            |  |  |        |  |  |  | .                                             |  |          |  | .                 |  |                     |  | .                                          |  |                                                                                                                                                                                                                                                                                                  |  | Kew Observatory     |  | Milliwatts        |  | Polaris                                         |  | .                 |  |                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                  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| Westminster (St. James' Pk.)                                                                       |  |  |            |  |  |        |  |  |  | .                                             |  |          |  | .                 |  |                     |  | .                                          |  |                                                                                                                                                                                                                                                                                                  |  | Max. Time Min. Time |  | Maximum Rate      |  | 7 Ursa                                          |  | .                 |  |                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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(Botanical Gdns.)                                                                      |  |  |            |  |  |        |  |  |  | .                                             |  |          |  | .                 |  |                     |  | .                                          |  |                                                                                                                                                                                                                                                                                                  |  | .                   |  | .                 |  | .                                               |  | .                 |  |                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                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| Kensington Palace                                                                                  |  |  |            |  |  |        |  |  |  | .                                             |  |          |  | .                 |  |                     |  | .                                          |  |                                                                                                                                                                                                                                                                                                  |  | .                   |  | .                 |  | .                                               |  | .                 |  |                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                  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| Hampstead Observatory                                                                              |  |  |            |  |  |        |  |  |  | .                                             |  |          |  | .                 |  |                     |  | .                                          |  |                                                                                                                                                                                                                                                                                                  |  | .                   |  | .                 |  | .                                               |  | .                 |  |                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                  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| RADIO DISTURBANCES (Atmospherics) AT CROYDON.                                                      |  |  |            |  |  |        |  |  |  | BEAUFORT NOTATION OF WEATHER.                 |  |          |  |                   |  |                     |  |                                            |  | 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.                                                                                      |  |                     |  |                   |  |                                                 |  |                   |  | Beau- No. Scale in miles per hour.                                                                                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. |  |  |            |  |  |        |  |  |  | b blue sky (not more than a quarter covered). |  |          |  |                   |  |                     |  |                                            |  | With present weather is combined, whenever possible, the general character of the weather. A "solidus" divides actual existing weather from preceding conditions, thus: - b/c = fair weather after rain; l = intermittent; - = "decreasing"; + = "increasing"; b(r) = "hail" or "rain and hail"; |  |                     |  |                   |  |                                                 |  |                   |  | SEA DISTURBANCE.                                                                                                                                      |  |  |  |  |  |  |  |  |  | 0 1 2 3 4 5 6 7 8 9 10 11 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| 25 <sup>th</sup> & 26 <sup>th</sup> December 1921.                                                 |  |  |            |  |  |        |  |  |  | be sky partly cloudy (one half covered).      |  |          |  |                   |  |                     |  |                                            |  | A capital letter indicates intensity, suffix a indicates slight and repetition of letters continuity, thus: - R = heavy rain. rr = continuous moderate rain. rfg = continuous light rain.                                                                                                        |  |                     |  |                   |  |                                                 |  |                   |  | 9-no swell 1-moderate swell 2-heavy swell 3-no swell 4-moderate swell 5-heavy swell 6-rough swell 7-rough swell 8-very rough swell 9-continuous swell |  |  |  |  |  |  |  |  |  | Less than 1 1-3 4-7 8-12 13-18 19-24 25-31 32-38 39-45 46-54 55-63 64-75 76-85 86-95 96-105 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4286-4295 4296-4305 4306-4315 4316-4325 4326-4335 4336-4345 4346-4355 4356-4365 4366-4375 4376-4385 4386-4395 4396-4405 4406-4415 4416-4425 4426-4435 4436-4445 4446-4455 4456-4465 4466-4475 4476-4485 4486-4495 4496-4505 4506-4515 4516-4525 4526-4535 4536-4545 4546-4555 4556-4565 4566-4575 4576-4585 4586-4595 4596-4605 4606-4615 4616-4625 4626-4635 4636-4645 4646-4655 4656-4665 4666-4675 4676-4685 4686-4695 4696-4705 4706-4715 4716-4725 4726-4735 4736-4745 4746-4755 4756-4765 4766-4775 4776-4785 4786-4795 4796-4805 4806-4815 4816-4825 4826-4835 4836-4845 4846-4855 4856-4865 4866-4875 4876-4885 4886-4895 4896-4905 4906-4915 4916-4925 4926-4935 4936-4945 4946-4955 4956-4965 4966-4975 4976-4985 4986-4995 4996-5005 5006-5015 5016-5025 5026-5035 5036-5045 5046-5055 5056-5065 5066-5075 5076-5085 5086-5095 5096-5105 5106-5115 5116-5125 5126-5135 5136-5145 5146-5155 5156-5165 5166-5175 5176-5185 5186-5195 5196-5205 5206-5215 5216-5225 5226-5235 5236-5245 5246-5255 5256-5265 5266-5275 5276-5285 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6286-6295 6296-6305 6306-6315 6316-6325 6326-6335 6336-6345 6346-6355 6356-6365 6366-6375 6376-6385 6386-6395 6396-6405 6406-6415 6416-6425 6426-6435 6436-6445 6446-6455 6456-6465 6466-6475 6476-6485 6486-6495 6496-6505 6506-6515 6516-6525 6526-6535 6536-6545 6546-6555 6556-6565 6566-6575 6576-6585 6586-6595 6596-6605 6606-6615 6616-6625 6626-6635 6636-6645 6646-6655 6656-6665 6666-6675 6676-6685 6686-6695 6696-6705 6706-6715 6716-6725 6726-6735 6736-6745 6746-6755 6756-6765 6766-6775 6776-6785 6786-6795 6796-6805 6806-6815 6816-6825 6826-6835 6836-6845 6846-6855 6856-6865 6866-6875 6876-6885 6886-6895 6896-6905 6906-6915 6916-6925 6926-6935 6936-6945 6946-6955 6956-6965 6966-6975 6976-6985 6986-6995 6996-7005 7006-7015 7016-7025 7026-7035 7036-7045 7046-7055 7056-7065 7066-7075 7076-7085 7086-7095 7096-7105 7106-7115 7116-7125 7126-7135 7136-7145 7146-7155 7156-7165 7166-7175 7176-7185 7186-7195 7196-7205 7206-7215 7216-7225 7226-7235 7236-7245 7246-7255 7256-7265 7266-7275 7276-7285 7286-7295 7296-7305 7306-7315 7316-7325 7326-7335 7336-7345 7346-7355 7356-7365 7366-7375 7376-7385 7386-7395 7396-7405 7406-7415 7416-7425 7426-7435 7436-7445 7446-7455 7456-7465 7466-7475 7476-7485 7486-7495 7496-7505 7506-7515 7516-7525 7526-7535 7536-7545 7546-7555 7556-7565 7566-7575 7576-7585 7586-7595 7596-7605 7606-7615 7616-7625 7626-7635 7636-7645 7646-7655 7656-7665 7666-7675 7676-7685 7686-7695 7696-7705 7706-7715 7716-7725 7726-7735 7736-7745 7746-7755 7756-7765 7766-7775 7776-7785 7786-7795 7796-7805 7806-7815 7816-7825 7826-7835 7836-7845 7846-7855 7856-7865 7866-7875 7876-7885 7886-7895 7896-7905 7906-7915 7916-7925 7926-7935 7936-7945 7946-7955 7956-7965 7966-7975 7976-7985 7986-7995 7996-8005 8006-8015 8016-8025 8026-8035 8036-8045 8046-8055 8056-8065 8066-8075 8076-8085 8086-8095 8096-8105 8106-8115 8116-8125 8126-8135 8136-8145 8146-8155 8156-8165 8166-8175 8176-8185 8186-8195 8196-8205 8206-8215 8216-8225 8226-8235 8236-8245 8246-8255 8256-8265 8266-8275 8276-8285 8286-8295 8296-8305 8306-8315 8316-8325 8326-8335 8336-8345 8346-8355 8356-8365 8366-8375 8376-8385 8386-8395 8396-8405 8406-8415 8416-8425 8426-8435 8436-8445 8446-8455 8456-8465 8466-8475 8476-8485 8486-8495 8496-8505 8506-8515 8516-8525 8526-8535 8536-8545 8546-8555 8556-8565 8566-8575 8576-8585 8586-8595 8596-8605 8606-8615 8616-8625 8626-8635 8636-8645 8646-8655 8656-8665 8666-8675 8676-8685 8686-8695 8696-8705 8706-8715 8716-8725 8726-8735 8736-8745 8746-8755 8756-8765 8766-8775 8776-8785 8786-8795 8796-8805 8806-8815 8816-8825 8826-8835 8836-8845 8846-8855 8856-8865 8866-8875 8876-8885 8886-8895 8896-8905 8906-8915 8916-8925 8926-8935 8936-8945 8946-8955 8956-8965 8966-8975 8976-8985 8986-8995 8996-9005 9006-9015 9016-9025 9026-9035 9036-9045 9046-9055 9056-9065 9066-9075 9076-9085 9086-9095 9096-9105 9106-9115 9116-9125 9126-9135 9136-9145 9146-9155 9156-9165 9166-9175 9176-9185 9186-9195 9196-9205 9206-9215 9216-9225 9226-9235 9236-9245 9246-9255 9256-9265 9266-9275 9276-9285 9286-9295 9296-9305 9306-9315 9316-9325 9326-9335 9336-9345 9346-9355 9356-9365 9366-9375 9376-9385 9386-9395 9396-9405 9406-9415 9416-9425 9426-9435 9436-9445 9446-9455 9456-9465 9466-9475 9476-9485 9486-9495 9496-9505 9506-9515 9516-9525 9526-9535 9536-9545 9546-9555 9556-9565 9566-9575 9576-9585 9586-9595 9596-9605 9606-9615 9616-9625 9626-9635 9636-9645 9646-9655 9656-9665 9666-9675 9676-9685 9686-9695 9696-9705 9706-9715 9716-9725 9726-9735 9736-9745 9746-9755 9756-9765 9766-9775 9776-9785 9786-9795 9796-9805 9806-9815 9816-9825 9826-9835 9836-9845 9846-9855 9856-9865 9866-9875 9876-9885 9886-9895 9896-9905 9906-9915 9916-9925 9926-9935 9936-9945 9946-9955 9956-9965 9966-9975 9976-9985 9986-9995 9996-10005 10006-10015 10016-10025 10026-10035 10036-10045 10046-10055 10056-10065 10066-10075 10076-10085 10086-10095 10096-10105 10106-10115 10116-10125 10126-10135 10136-10145 10146-10155 10156-10165 10166-10175 10176-10185 10186-10195 10196-10205 10206-10215 10216-10225 10226-10235 10236-10245 10246-10255 10256-10265 10266-10275 10276-10285 10286-10295 10296-10305 10306-10315 10316-10325 10326-10335 10336-10345 10346-10355 10356-10365 10366-10375 10376-10385 10386-10395 10396-10405 10406-10415 10416-10425 10426-10435 10436-10445 10446-10455 10456-10465 10466-10475 10476-10485 10486-10495 10496-10505 10506-10515 10516-10525 10526-10535 10536-10545 10546-10555 10556-10565 10566-10575 10576-10585 10586-10595 10596-10605 10606-10615 10616-10625 10626-10635 10636-10645 10646-10655 10656-10665 10666-10675 10676-10685 10686-10695 10696-10705 10706-10715 10716-10725 10726-10735 10736-10745 10746-10755 10756-10765 10766-10 |  |  |  |  |  |  |  |  |  |



| SUMMARIES FOR THE PAST 24 HOURS |                            |                             |                                |                           |                         |                           |                      |                        |                          |                         |                         |      | ISALLOBARIS      |  | Sunday, 25 <sup>th</sup> DECEMBER |  |
|---------------------------------|----------------------------|-----------------------------|--------------------------------|---------------------------|-------------------------|---------------------------|----------------------|------------------------|--------------------------|-------------------------|-------------------------|------|------------------|--|-----------------------------------|--|
| STATIONS.                       | WEATHER.                   |                             |                                |                           | TEMPERATURE.            |                           |                      | RAINFALL.              |                          |                         |                         | SUN. | POSITION NUMBERS |  |                                   |  |
|                                 | 7h-15h.<br>24 <sup>h</sup> | 15h-18h.<br>24 <sup>h</sup> | 18h-24h.<br>to 25 <sup>h</sup> | 1h-7h.<br>25 <sup>h</sup> | MAX.<br>Day.<br>7h-18h. | MIN.<br>Night.<br>18h-7h. | MIN.<br>on<br>GRASS. | Day.<br>7h-18h.<br>mm. | Night.<br>18h-7h.<br>mm. | Precipitation<br>began. | Precipitation<br>ended. |      |                  |  | Hours.                            |  |
| Lerwick                         | bor bc                     | o.o                         |                                | bor bc                    | 40                      | 38                        | .                    | 1                      | 1                        | 16.30                   | .                       | 0.0  |                  |  |                                   |  |
| Stornoway                       | bor bc                     | o.o                         |                                | bor bc                    | 44                      | 36                        | .                    | 4                      | 1                        | 16.30                   | .                       | 0.0  |                  |  |                                   |  |
| Wick                            | bor bc                     | o.o                         |                                | bor bc                    | 41                      | 35                        | .                    | 3                      | 2                        | 14.30                   | 21.00                   | 0.0  |                  |  |                                   |  |
| Castlebay                       | bor bc                     | o.o                         |                                | bor bc                    | 49                      | 43                        | .                    | 2                      | 0.2                      | 11.0                    | .                       | 0.0  |                  |  |                                   |  |
| Nairn                           | bor bc                     | o.o                         |                                | bor bc                    | 41                      | 36                        | .                    | 1                      | 2                        | 14.30                   | 21.00                   | 0.0  |                  |  |                                   |  |
| Aberdeen                        | bor bc                     | o.o                         |                                | bor bc                    | 37                      | 35                        | 27                   | 2                      | 1                        | 14.30                   | 21.00                   | 0.0  |                  |  |                                   |  |
| Malin Head                      | bor bc                     | o.o                         |                                | bor bc                    | 53                      | 43                        | .                    | 2                      | 3                        | 14.30                   | 21.00                   | 0.0  |                  |  |                                   |  |
| Renfrew                         | bor bc                     | o.o                         |                                | bor bc                    | 42                      | 39                        | 29                   | 1                      | 1                        | 11.0                    | 21.00                   | 0.0  |                  |  |                                   |  |
| Inchkeith                       | bor bc                     | o.o                         |                                | bor bc                    | 40                      | 40                        | 38                   | 1                      | 1                        | 15.30                   | .                       | 0.0  |                  |  |                                   |  |
| Edinburgh                       | bor bc                     | o.o                         |                                | bor bc                    | 36                      | 35                        | 34                   | 1                      | 5                        | 13.30                   | 21.00                   | 0.6  |                  |  |                                   |  |
| Tynemouth                       | bor bc                     | o.o                         |                                | bor bc                    | 38                      | 36                        | .                    | trace                  | 3                        | 16.30                   | 21.00                   | .    |                  |  |                                   |  |
| Blackhead Point                 | bor bc                     | o.o                         |                                | bor bc                    | 43                      | 41                        | .                    | 1                      | 3                        | 15.30                   | .                       | .    |                  |  |                                   |  |
| Donaghadee                      | bor bc                     | o.o                         |                                | bor bc                    | 43                      | 41                        | .                    | 1                      | 3                        | 15.30                   | 21.00                   | .    |                  |  |                                   |  |
| Birr Castle                     | bor bc                     | o.o                         |                                | bor bc                    | 49                      | 42                        | 38                   | 1                      | 8                        | 12.30                   | 21.00                   | 0.0  |                  |  |                                   |  |
| Baldonnell                      | bor bc                     | o.o                         |                                | bor bc                    | 46                      | 42                        | 40                   | 0.3                    | 7.8                      | 12.30                   | 21.00                   | 0.0  |                  |  |                                   |  |
| Holyhead                        | bor bc                     | o.o                         |                                | bor bc                    | 47                      | 46                        | 44                   | 1                      | 9                        | 11.0                    | 21.00                   | 0.0  |                  |  |                                   |  |
| Liverpool (Bidston)             | bor bc                     | o.o                         |                                | bor bc                    | 51                      | 39                        | 31                   | 0.4                    | 10                       | 15.30                   | 21.00                   | 1.0  |                  |  |                                   |  |
| Chester (Shotwick)              | bor bc                     | o.o                         |                                | bor bc                    | 41                      | 39                        | .                    | 0.2                    | 10                       | 13.30                   | 21.00                   | .    |                  |  |                                   |  |
| Howden                          | bor bc                     | o.o                         |                                | bor bc                    | 39                      | 34                        | .                    | .                      | .                        | .                       | .                       | 4.2  |                  |  |                                   |  |
| Spurn Head                      | bor bc                     | o.o                         |                                | bor bc                    | 40                      | 35                        | 34                   | .                      | 3.                       | .                       | 21.00                   | 2.1  |                  |  |                                   |  |
| Nottingham                      | bor bc                     | o.o                         |                                | bor bc                    | 37                      | 34                        | 33                   | .                      | 4                        | .                       | 24.00                   | 4.4  |                  |  |                                   |  |
| Cranwell                        | bor bc                     | o.o                         |                                | bor bc                    | 37                      | 34                        | 32                   | 7                      | 1                        | 12.30                   | 21.00                   | 1.2  |                  |  |                                   |  |
| Gorleston                       | bor bc                     | o.o                         |                                | bor bc                    | 39                      | 34                        | 30                   | .                      | 2                        | .                       | 33.0                    | 2.5  |                  |  |                                   |  |
| Palham                          | bor bc                     | o.o                         |                                | bor bc                    | 38                      | 35                        | 34                   | .                      | 1                        | .                       | 3.30                    | 5.2  |                  |  |                                   |  |
| Felixstowe                      | bor bc                     | o.o                         |                                | bor bc                    | 38                      | 35                        | 34                   | .                      | 1                        | .                       | 3.30                    | 5.2  |                  |  |                                   |  |
| Valencia (Cahirciveen)          | bor bc                     | o.o                         |                                | bor bc                    | 53                      | 48                        | 43                   | 1                      | 2                        | 20.00                   | 21.00                   | 0.0  |                  |  |                                   |  |
| Roches Point                    | bor bc                     | o.o                         |                                | bor bc                    | 51                      | 46                        | .                    | 1                      | 2                        | 20.00                   | 21.00                   | .    |                  |  |                                   |  |
| Pembroke (St. Ann's H.)         | bor bc                     | o.o                         |                                | bor bc                    | 46                      | 45                        | .                    | 0.3                    | 5                        | 14.30                   | 3.30                    | 0.0  |                  |  |                                   |  |
| Ross-on-Wye                     | bor bc                     | o.o                         |                                | bor bc                    | 41                      | 37                        | 36                   | .                      | 1                        | .                       | 21.00                   | 2.6  |                  |  |                                   |  |
| Benson                          | bor bc                     | o.o                         |                                | bor bc                    | 37                      | 33                        | 31                   | .                      | 1                        | .                       | 21.00                   | 2.6  |                  |  |                                   |  |
| S. Farnborough                  | bor bc                     | o.o                         |                                | bor bc                    | 38                      | 33                        | 32                   | .                      | 1                        | .                       | 21.00                   | 4.0  |                  |  |                                   |  |
| London (Kew Obsy.)              | bor bc                     | o.o                         |                                | bor bc                    | 38                      | 36                        | 33                   | .                      | 1                        | .                       | 24.00                   | 3.5  |                  |  |                                   |  |
| Croydon                         | bor bc                     | o.o                         |                                | bor bc                    | 37                      | 36                        | 33                   | .                      | 1                        | .                       | 24.00                   | 4.2  |                  |  |                                   |  |
| Clacton-on-Sea                  | bor bc                     | o.o                         |                                | bor bc                    | 37                      | 34                        | 32                   | .                      | 0.6                      | .                       | 4.30                    | 5.3  |                  |  |                                   |  |
| Shoeburyness                    | bor bc                     | o.o                         |                                | bor bc                    | 45                      | 34                        | 32                   | .                      | 1                        | .                       | 4.30                    | 4.9  |                  |  |                                   |  |
| Grain                           | bor bc                     | o.o                         |                                | bor bc                    | 44                      | 33                        | 33.0                 | .                      | .                        | .                       | .                       | 4.9  |                  |  |                                   |  |
| Lympe                           | bor bc                     | o.o                         |                                | bor bc                    | 36                      | 33                        | 31                   | .                      | 2                        | .                       | 24.00                   | 5.5  |                  |  |                                   |  |
| Seilly (St. Mary's)             | bor bc                     | o.o                         |                                | bor bc                    | 48                      | 47                        | .                    | 1                      | .                        | .                       | 21.00                   | 0.0  |                  |  |                                   |  |
| Falmouth (Pendennis)            | bor bc                     | o.o                         |                                | bor bc                    | 46                      | 44                        | .                    | 0.2                    | 1                        | 16.30                   | 21.00                   | 0.2  |                  |  |                                   |  |
| Plymouth                        | bor bc                     | o.o                         |                                | bor bc                    | 43                      | 40                        | 38                   | trace                  | 1                        | 15.30                   | 21.00                   | 0.0  |                  |  |                                   |  |
| Portland Bill                   | bor bc                     | o.o                         |                                | bor bc                    | 52                      | 41                        | .                    | .                      | .                        | .                       | .                       | .    |                  |  |                                   |  |
| Calshot                         | bor bc                     | o.o                         |                                | bor bc                    | 44                      | 36                        | 35                   | .                      | 1                        | .                       | 21.00                   | 3.4  |                  |  |                                   |  |
| Dungeness                       | bor bc                     | o.o                         |                                | bor bc                    | 39                      | 33                        | .                    | .                      | 2                        | .                       | .                       | .    |                  |  |                                   |  |
| Jersey                          | bor bc                     | o.o                         |                                | bor bc                    | 47                      | 42                        | .                    | .                      | 2                        | .                       | 22.00                   | 3.8  |                  |  |                                   |  |

| FORECASTS FOR THE 24 HOURS COMMENCING 15h. G.M.T. Sunday, 25 <sup>th</sup> DECEMBER, 1921. |                                                                                                                                                         |  |  |  |  |  |  |  |  |  |  |  | Further Outlook                                    |  |
|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|----------------------------------------------------|--|
| 1. S.E. England                                                                            | Wind South-West moderate to strong; dull, rain at times; visibility mainly fair; mild. Wind veering West and decreasing, with fairer weather on Monday. |  |  |  |  |  |  |  |  |  |  |  | Continuing mild and unsettled with Westerly winds. |  |
| 2. E. England                                                                              |                                                                                                                                                         |  |  |  |  |  |  |  |  |  |  |  |                                                    |  |
| 3. E. Midlands                                                                             |                                                                                                                                                         |  |  |  |  |  |  |  |  |  |  |  |                                                    |  |
| 4. W. Midlands                                                                             |                                                                                                                                                         |  |  |  |  |  |  |  |  |  |  |  |                                                    |  |
| 5. S.W. England                                                                            | Wind Westerly, moderate, fresh in places; variable sky, local showers; visibility mainly fair; temperature moderate to rather mild.                     |  |  |  |  |  |  |  |  |  |  |  |                                                    |  |
| 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                                                                           |                                                                                                                                                         |  |  |  |  |  |  |  |  |  |  |  |                                                    |  |



Scale - 1:10,000,000

Nautical Miles. 100 0 100

Statute Miles. 100 0 100





# AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4.

BRITISH SECTION. SUNDAY 25<sup>th</sup> DECEMBER 1921.

No. 359.

| STATIONS.               | Observations at 0100 G.M.T. 25 <sup>th</sup> |                    |        |       |          |              |                |                    |                              |        |      | Observations at 0700 G.M.T. 25 <sup>th</sup> |                          |                    |       |       |          |              |                |                    |                              |        |      |      |      |
|-------------------------|----------------------------------------------|--------------------|--------|-------|----------|--------------|----------------|--------------------|------------------------------|--------|------|----------------------------------------------|--------------------------|--------------------|-------|-------|----------|--------------|----------------|--------------------|------------------------------|--------|------|------|------|
|                         | Barom. at M.S.L.<br>m.b.                     | Change in 3 Hours. | Wind.  |       | Weather. | Temp.<br>°F. | Humidity.<br>% | Visibility.<br>mi. | Height of Low Cloud.<br>Feet | Cloud. |      |                                              | Barom. at M.S.L.<br>m.b. | Change in 3 Hours. | Wind. |       | Weather. | Temp.<br>°F. | Humidity.<br>% | Visibility.<br>mi. | Height of Low Cloud.<br>Feet | Cloud. |      |      |      |
|                         |                                              |                    | Direc. | Force |          |              |                |                    |                              | Form.  | Amt. | Direc.                                       |                          |                    | Force | Form. |          |              |                |                    |                              | Amt.   |      |      |      |
|                         |                                              |                    |        |       |          |              |                |                    |                              |        |      |                                              |                          |                    |       |       |          |              |                |                    |                              |        | 0-12 | 0-10 | 0-10 |
|                         |                                              |                    |        |       |          |              |                |                    |                              |        |      |                                              |                          |                    |       |       |          |              |                |                    |                              |        |      |      |      |
| Lerwick                 | 1006.1                                       | 0                  | W      | 1     | b-       | .            | .              | 7                  | .                            | .      | .    | 1006.1                                       | +3                       | WSW                | 3     | b     | 41       | 85           | 7              | .                  | .                            | 0      | AC.  |      |      |
| Stornoway               | 1006.6                                       | 0                  | W      | 1     | b-       | .            | .              | 7                  | .                            | .      | .    | 1006.1                                       | +1                       | W                  | 2     | b     | 39       | 85           | 7              | .                  | .                            | 0      | .    |      |      |
| Wick                    | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1008.0                                       | +2                       | WNW                | 3     | b     | 37       | 91           | 8              | 450                | St                           | 1      | .    |      |      |
| Castlebay               | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1013.0                                       | 0                        | WNW                | 3     | b     | 44       | 85           | 8              | 1500               | St                           | 7      | .    |      |      |
| Nairn                   | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1010.9                                       | .                        | .                  | 0     | clt   | 37       | 85           | 8              | .                  | .                            | 3      | .    |      |      |
| Aberdeen                | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1011.2                                       | +2                       | WNW                | 2     | b/r   | 37       | 85           | 6              | 4000               | St                           | 3      | .    |      |      |
| Malin Head              | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1014.8                                       | +2                       | W                  | 2     | b     | 45       | 92           | 8              | 4000               | CND                          | 3      | .    |      |      |
| Renfrew                 | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1013.3                                       | +2                       | .                  | 0     | b     | 38       | 92           | 8              | .                  | .                            | 0      | .    |      |      |
| Inchkeith               | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1011.9                                       | +3                       | W                  | 3     | bv    | 41       | 92           | 9              | .                  | .                            | 1      | .    |      |      |
| Fiskdalemuir            | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1013.6                                       | +1                       | WNW                | 2     | bc    | 38       | 85           | 8              | 2500               | St                           | 5      | .    |      |      |
| Tynemouth               | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1011.5                                       | +1                       | W                  | 2     | clt   | 43       | 85           | 6              | 4000               | ND                           | 10     | .    |      |      |
| Blacksod Point          | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1015.6                                       | +1                       | W                  | 2     | bc    | 43       | 92           | 8              | 5750               | CND                          | 5      | .    |      |      |
| Donaghadee              | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1018.0                                       | .                        | SW                 | 1     | b     | 43       | 97           | 3              | 4000               | St                           | 3      | .    |      |      |
| Birr Castle             | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1017.6                                       | +2                       | SWW                | 2     | MO    | 43       | 97           | 7              | 1500               | St                           | 9      | .    |      |      |
| Baldonnell              | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1015.4                                       | +4                       | WNW                | 4     | clt   | 46       | 92           | 8              | 1500               | St                           | 10     | .    |      |      |
| Holyhead                | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1015.1                                       | +4                       | WNW                | 2     | clt   | 44       | 92           | 7              | 1500               | ND                           | 10     | .    |      |      |
| Liverpool (Bidston)     | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1014.0                                       | +5                       | WNW                | 3     | clt   | 44       | 92           | 5              | 1500               | St                           | 10     | .    |      |      |
| Chester (Shotwick)      | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | .                                            | .                        | .                  | .     | .     | .        | .            | .              | .                  | .                            | .      | .    |      |      |
| Howden                  | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1011.6                                       | -9                       | WNW                | 4     | OR    | 43       | 97           | 5              | 450                | St                           | 10     | .    |      |      |
| Spurn Head              | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1012.2                                       | .                        | W                  | 3     | clt   | 47       | 97           | 5              | 1500               | ND                           | 10     | .    |      |      |
| Nottingham              | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1011.8                                       | -4                       | WSW                | 5     | clt   | 46       | 97           | 6              | 800                | ND                           | 10     | .    |      |      |
| Cranwell                | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1013.9                                       | -5                       | WSW                | 5     | clt   | 40       | 97           | 6              | .                  | .                            | 0      | .    |      |      |
| Gorleston               | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1013.5                                       | -6                       | SW                 | 4     | clt   | 43       | 97           | 6              | 4000               | St                           | 10     | .    |      |      |
| Fulham                  | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1014.5                                       | -6                       | SW                 | 4     | clt   | 43       | 97           | 8              | 1500               | St                           | 10     | .    |      |      |
| Felixstowe              | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1020.2                                       | +1                       | NW                 | 4     | b/r   | 45       | 85           | 8              | 800                | St                           | 3      | .    |      |      |
| Valencia (Cahirciveen)  | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1020.2                                       | +1                       | W                  | 2     | bc    | 46       | 92           | 7              | 2500               | CND                          | 6      | .    |      |      |
| Reches Point            | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1015.8                                       | -4                       | SW                 | 5     | clt   | 52       | 97           | 8              | 2500               | ND                           | 10     | .    |      |      |
| Pembroke (St. Ann's H.) | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1014.2                                       | -3                       | SWW                | 4     | clt   | 52       | 85           | 8              | 2500               | ND                           | 10     | .    |      |      |
| Ross-on-Wye             | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1015.4                                       | -5                       | WSW                | 4     | clt   | 48       | 92           | 7              | .                  | .                            | 10     | .    |      |      |
| Benson                  | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1016.7                                       | -6                       | WSW                | 4     | clt   | 50       | 97           | 7              | 2500               | St                           | 10     | .    |      |      |
| S. Farnborough          | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1016.4                                       | -6                       | SW                 | 3     | clt   | 47       | 97           | 6              | 2500               | ND                           | 10     | .    |      |      |
| London (Kew Obs.)       | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1016.8                                       | -3                       | SW                 | 4     | clt   | 48       | 97           | 8              | 800                | St                           | 10     | .    |      |      |
| Croydon                 | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1015.5                                       | -5                       | SSW                | 4     | clt   | 43       | 97           | 8              | 2500               | St                           | 10     | .    |      |      |
| Orleton-on-Sea          | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1015.9                                       | -4                       | W                  | 5     | clt   | 45       | 92           | 7              | 4000               | St                           | 10     | .    |      |      |
| Shoeburyness            | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1016.7                                       | -7                       | SW                 | 5     | clt   | 46       | 92           | 7              | 2500               | St                           | 10     | .    |      |      |
| Grain                   | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1017.1                                       | -5                       | SW                 | 6     | clt   | 46       | 97           | 1              | 450                | ND                           | 10     | .    |      |      |
| Lymington               | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1020.3                                       | -3                       | W                  | 6     | clt   | 53       | 97           | 8              | 1000               | St                           | 10     | .    |      |      |
| Scilly (St. Mary's)     | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1021.1                                       | -6                       | SW                 | 5     | clt   | 52       | 92           | 7              | 2500               | ND                           | 10     | .    |      |      |
| Falmouth (Pendennis)    | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1019.2                                       | -4                       | W                  | 3     | clt   | 52       | 97           | 8              | 1500               | ND                           | 6      | .    |      |      |
| Plymouth                | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1018.2                                       | -4                       | WSW                | 7     | b/r   | 51       | 85           | 8              | 2500               | St                           | 10     | .    |      |      |
| Portland Bill           | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1018.3                                       | -6                       | WSW                | 3     | clt   | 50       | 97           | 8              | 1500               | St                           | 10     | .    |      |      |
| Calshot                 | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1017.0                                       | -6                       | SW                 | 7     | clt   | 44       | 97           | 5              | 4000               | ND                           | 10     | .    |      |      |
| Dungeness               | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | 1022.2                                       | -1                       | W                  | 4     | clt   | 51       | 92           | 6              | 1500               | ND                           | 10     | .    |      |      |
| Jersey Th.              | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | .                                            | .                        | .                  | .     | .     | .        | .            | .              | .                  | .                            | .      | .    |      |      |
| Guernsey Th.            | .                                            | .                  | .      | .     | .        | .            | .              | .                  | .                            | .      | .    | .                                            | .                        | .                  | .     | .     | .        | .            | .              | .                  | .                            | .      | .    |      |      |

### WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 24<sup>th</sup> DECEMBER

| WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE. |     |            |             |              |             |                  |               |                    |                    | WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE. |     |            |             |              |             |                  |               |                    |                    |
|----------------------------------------------|-----|------------|-------------|--------------|-------------|------------------|---------------|--------------------|--------------------|----------------------------------------------|-----|------------|-------------|--------------|-------------|------------------|---------------|--------------------|--------------------|
| STATIONS.                                    |     | WEATHER.   |             | TEMPERATURE. |             | RAINFALL†        |               | SUNSHINE.          |                    | STATIONS.                                    |     | WEATHER.   |             | TEMPERATURE. |             | RAINFALL†        |               | SUNSHINE.          |                    |
|                                              |     | Fore-noon. | After-noon. | Max. Day.    | Min. Night. | Night 11th-12th. | Day 12th-1st. | Sunrise to Sunset. | Sunrise to Sunset. |                                              |     | Fore-noon. | After-noon. | Max. Day.    | Min. Night. | Night 11th-12th. | Day 12th-1st. | Sunrise to Sunset. | Sunrise to Sunset. |
|                                              |     |            |             |              |             | mm.              | mm.           | hr.                | hr.                |                                              |     |            |             |              |             | mm.              | mm.           | hr.                | hr.                |
| Barff                                        | ... | bc or      |             | 38           | 34          | 1                | 2             | 0.3                |                    | Paignton                                     | ... | bc o       | o o d       | 43           | 33          | 0.3              | Trace         |                    |                    |
| Montrose                                     | ... | c          | o           | 36           | 31          | -                | 3             | 1.1                |                    | Ilfracombe                                   | ... | o          | cd          | 48           | 40          | 1                | -             |                    |                    |
| Llandudno                                    | ... | cd         | cd          | 43           | 35          | -                | -             | 0.0                |                    | Bude                                         | ... | o          | c           | 46           | 41          | -                | -             |                    |                    |
| Golwyn Bay                                   | ... | c bc       | cd          | 42           | 37          | -                | -             | 0.4                |                    | Penzance                                     | ... | c o        | o           | 48           | 43          | 0.2              | -             |                    |                    |
| Rhyl                                         | ... | bc         | cd          | 42           | 40          | -                | 0.3           | 0.6                |                    | Torquay                                      | ... | c bc o     | o           | 42           | 36          | 0.4              | -             |                    |                    |
| Southport                                    | ... | b bc o     | o o         | 42           | 34          | -                | 1             | 1.2                |                    | Weymouth                                     | ... | bc         | bc          | 43           | 33          | -                | -             |                    |                    |
| Blackpool                                    | ... | bc or      |             | 42           | 36          | 0.3              | 1             | 1.0                |                    | Bournemouth                                  | ... | b          | bc          | 39           | 32          | -                | -             |                    |                    |
| Harrogate                                    | ... | b bc c     |             | 38           | 30          | -                | -             | 3.0                |                    | Portsmouth (S. Thea)                         | ... | b          | bc          | 37           | 32          | -                | -             |                    |                    |
| Skegness                                     | ... | bc         | cd          | 37           | 31          | 1                | -             | 3.8                |                    | Worthing                                     | ... | bc         | bc          | 38           | 32          | -                | -             |                    |                    |
| Aberystwyth                                  | ... | c bc       | cd          | 43           | 35          | -                | -             | 0.3                |                    | Brighton                                     | ... | bc         | bc          | 38           | 32          | -                | -             |                    |                    |
| Bath                                         | ... | b bc o     | cd          | 39           | 29          | -                | -             | 1.5                |                    | Eastbourne                                   | ... | bc         | bc          | 38           | 32          | -                | -             |                    |                    |
| Leamington Spa                               | ... | bc         | cd          | 42           | 33          | 6                | 4             | 2.0                |                    | Hastings                                     | ... | b          | bc          | 38           | 33          | 4                | -             |                    |                    |
| Lowestoft                                    | ... | bc         | cd          | 37           | 31          | 2                | -             | 5.4                |                    | Folkestone                                   | ... | bc         | bc          | 36           | 31          | 3                | -             |                    |                    |
| Felixstowe                                   | ... | bc         | cd          | 37           | 31          | 1                | -             | 4.4                |                    | Tunbridge Wells                              | ... | bc         | bc          | 37           | 33          | 0.4              | -             |                    |                    |
| Southend                                     | ... | bc         | cd          | 37           | 31          | 1                | -             | 4.4                |                    | Ramsgate                                     | ... | bc         | bc          | 39           | 34          | -                | -             |                    |                    |
|                                              |     |            |             |              |             |                  |               |                    |                    | Margate                                      | ... | bc         | bc          | 39           | 34          | -                | -             |                    |                    |
|                                              |     |            |             |              |             |                  |               |                    |                    | Deal                                         | ... | bc         | bc          | 41           | 33          | -                | -             |                    |                    |



## AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B. 21949.

Monday, 26<sup>th</sup> December 1921.

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BRITISH SECTION.

No. B. 21549.

Monday 26<sup>th</sup> December 1921.

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| STATIONS.           |                    | Observations at 1800 G.M.T. 25 <sup>th</sup> | Sea.     | Observations at 1800 G.M.T. 26 <sup>th</sup> | Sea.      |            |                      |        |       |       |            |      |      |        |      |     |   |   |    |    |   |      |       |    |      |    |   |
|---------------------|--------------------|----------------------------------------------|----------|----------------------------------------------|-----------|------------|----------------------|--------|-------|-------|------------|------|------|--------|------|-----|---|---|----|----|---|------|-------|----|------|----|---|
| Barom. at M.S.L.    | Change in 3 Hours. | Wind.                                        | Weather. | Temp.                                        | Humidity. | Visiblity. | Height of Low Cloud. | Cloud. | Form. | Amt.  | Total Amt. | 0-10 | 0-10 | 0-10   | 0-10 |     |   |   |    |    |   |      |       |    |      |    |   |
| m.b.                | 0-12               | Direc.                                       | Force    | °F.                                          | %         | 0-2        | Feet                 | Low.   | Upper | Total | Form.      | Amt. | 0-10 | 0-10   | 0-10 |     |   |   |    |    |   |      |       |    |      |    |   |
| m.b.                | 0-12               | Direc.                                       | Force    | °F.                                          | %         | 0-2        | Feet                 | Low.   | Upper | Total | Form.      | Amt. | 0-10 | 0-10   | 0-10 |     |   |   |    |    |   |      |       |    |      |    |   |
| m.b.                | 0-12               | Direc.                                       | Force    | °F.                                          | %         | 0-2        | Feet                 | Low.   | Upper | Total | Form.      | Amt. | 0-10 | 0-10   | 0-10 |     |   |   |    |    |   |      |       |    |      |    |   |
| Lerwick             | 1014.1             | +1                                           | W        | 3                                            | C         | 42         | 92                   | 7      | 2500  | Cum   | 7          | -    | 7    | 1008.8 | 0    | WSW | 3 | b | 42 | 85 | 6 | 1000 | Nb    | 10 | -    | 10 | 2 |
| Scornoway           | 1011.3             | +1                                           | WSW      | 3                                            | b         | 43         | 85                   | 7      | 4000  | Cu    | 2          | A.Cu | 6    | 1009.9 | -2   | SW  | 4 | b | 43 | 85 | 6 | 4000 | Cu    | 5  | -    | 5  | 1 |
| Wick                | 1011.0             | +3                                           | WSW      | 2                                            | C         | 41         | 97                   | 8      | 7200  | Cu    | 2          | A.St | 8    | 1009.9 | -1   | SW  | 2 | b | 39 | 97 | 8 | 5750 | Cu    | 6  | -    | 6  | 0 |
| Orkney              | 1011.0             | +1                                           | SW       | 4                                            | b         | 42         | 92                   | 8      | 2500  | Cu    | 4          | A.St | 6    | 1009.9 | -1   | SW  | 5 | b | 42 | 85 | 7 | 2500 | St    | 4  | -    | 4  | 3 |
| Salra               | 1013.9             | +3                                           | W        | 3                                            | b         | 42         | 75                   | 8      | -     | -     | -          | -    | -    | 1012.1 | 0    | W   | 1 | b | 42 | 85 | 8 | 1500 | St    | 7  | -    | 7  | 0 |
| Aberdeen            | 1013.9             | +3                                           | W        | 3                                            | b         | 42         | 75                   | 8      | -     | -     | -          | -    | -    | 1014.8 | 0    | WSW | 2 | b | 37 | 85 | 7 | -    | -     | 0  | Cu   | 1  | 0 |
| Malin Head          | 1017.0             | +2                                           | WSW      | 3                                            | b         | 45         | 97                   | 8      | 4000  | Cu    | 6          | -    | 6    | 1015.4 | +1   | WSW | 3 | b | 44 | 97 | 8 | -    | -     | 0  | Cu   | 2  | 2 |
| Renfrew             | 1016.5             | +3                                           | -        | 0                                            | b         | 41         | 92                   | 4      | 4000  | St.Cu | 3          | C.St | 5    | 1016.3 | 0    | SSW | 2 | b | 39 | 92 | 5 | 4000 | St.Cu | 3  | A.St | 4  | 0 |
| Inchkeith           | 1015.4             | +3                                           | W        | 3                                            | b         | 42         | 85                   | 6      | -     | -     | -          | -    | -    | 1015.6 | +1   | WSW | 3 | b | 41 | 92 | 7 | -    | -     | 0  | -    | 0  | 2 |
| Rokkalemuir         | 1017.1             | +3                                           | WNW      | 3                                            | b         | 42         | 85                   | 8      | 2500  | Cu    | 2          | -    | 2    | 1018.3 | 0    | WNW | 1 | b | 31 | 92 | 8 | 2500 | Cu    | 1  | -    | 1  | 0 |
| Tynemouth           | 1015.5             | +2                                           | NW       | 2                                            | b         | 43         | 75                   | 6      | -     | -     | -          | -    | -    | 1017.4 | +2   | W   | 2 | b | 39 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Blackhead Point     | 1018.0             | +2                                           | W        | 1                                            | b         | 44         | 75                   | 8      | 4000  | Cu    | 3          | -    | 3    | 1018.6 | 0    | W   | 1 | b | 39 | 92 | 8 | -    | -     | 0  | -    | 0  | 0 |
| Donaghadee          | 1020.5             | -                                            | W        | 1                                            | b         | 45         | 97                   | 8      | 4000  | St.Cu | 4          | -    | 4    | 1020.1 | 0    | S   | 1 | b | 39 | 97 | 5 | -    | -     | 0  | A.Cu | 2  | 0 |
| Baldernell          | 1020.5             | +3                                           | SW       | 3                                            | b         | 43         | 92                   | 8      | 2500  | St.Cu | 5          | -    | 5    | 1020.2 | 0    | SSW | 1 | b | 38 | 92 | 7 | -    | -     | 0  | -    | 0  | 0 |
| Holyhead            | 1019.0             | +2                                           | NW       | 5                                            | b         | 48         | 85                   | 8      | 2500  | Cu    | 2          | -    | 2    | 1020.0 | +1   | SW  | 2 | b | 44 | 92 | 7 | 2500 | Cu    | 1  | -    | 1  | 0 |
| Liverpool (Bidston) | 1017.8             | +3                                           | WNW      | 3                                            | C         | 45         | 92                   | 7      | 1500  | St.Cu | 8          | -    | 8    | 1019.9 | +2   | WNW | 2 | b | 42 | 85 | 8 | -    | -     | 0  | A.Cu | 2  | 3 |
| Cheshire (Shotwick) | 1017.3             | +3                                           | W        | 4                                            | C         | 47         | 85                   | 8      | 2500  | Cu    | 3          | C.St | 7    | 1019.4 | +1   | WNW | 1 | b | 34 | 97 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Howden              | 1015.2             | +4                                           | WNW      | 2                                            | b         | 45         | 92                   | 6      | 1500  | St    | 2          | -    | 2    | 1018.3 | +3   | WNW | 2 | b | 42 | 85 | 6 | -    | -     | 0  | -    | 0  | 2 |
| Spurn Head          | 1016.8             | -                                            | NW       | 3                                            | b         | 47         | 85                   | 4      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 1 | b | 40 | 92 | 3 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          | -    | -    | 1019.8 | -    | NW  | 3 | b | 40 | 92 | 6 | -    | -     | 0  | -    | 0  | 0 |
| Ormsby              | 1016.6             | +2                                           | NW       | 3                                            | b         | 45         | 85                   | 6      | -     | -     | -          |      |      |        |      |     |   |   |    |    |   |      |       |    |      |    |   |

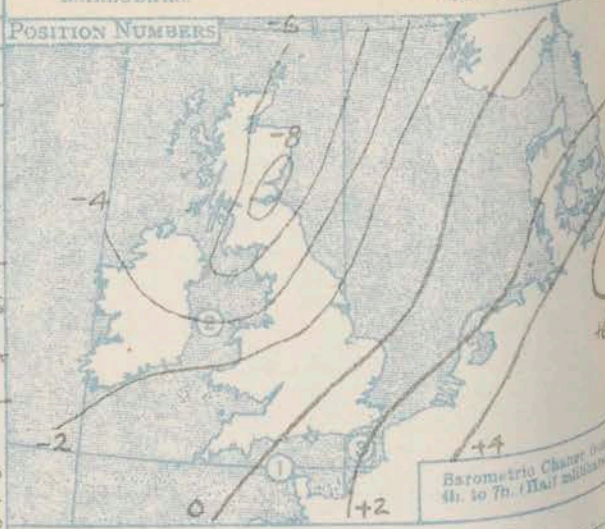


## SUMMARIES FOR THE PAST 24 HOURS.

## ISALLOBARS.

26<sup>th</sup> December 1921

| STATIONS.               | WEATHER. |          |          |        | TEMPERATURE. |             |                | RAINFALL. |        |                      |                      | SUN. |
|-------------------------|----------|----------|----------|--------|--------------|-------------|----------------|-----------|--------|----------------------|----------------------|------|
|                         | 7h-13h.  | 13h-18h. | 18h-25h. | 1h-7h. | MAX. Day.    | MIN. Night. | MIN. on GRASS. | Day.      | Night. | Precipitation began. | Precipitation ended. |      |
| Lerwick                 | p        | p        | red      | red    | 43           | 42          | 0              | 1         | 1      | 0900                 | 2100                 | 0.7  |
| Stornoway               | p        | p        | red      | red    | 43           | 42          | 0              | 1         | 10     | -                    | 2100                 | 0.7  |
| Wick                    | bbc      | c        | red      | c      | 41           | 38          | 0              | -         | -      | -                    | -                    | 2.3  |
| Castlebay               | bpc      | cpc      | red      | c      | 48           | 43          | 0              | 0.2       | 0.2    | -                    | -                    | 2.5  |
| Nairn                   | bpc      | cpc      | red      | c      | 40           | 36          | 28             | -         | -      | -                    | -                    | 5.1  |
| Aberdeen                | bmb      | bmb      | red      | c      | 42           | 36          | 28             | -         | -      | -                    | -                    | 5.1  |
| Malin Head              | p        | bpc      | red      | c      | 46           | 42          | 0              | 0.4       | -      | 2000                 | -                    | 1.8  |
| Renfrew                 | bpc      | bpc      | red      | c      | 46           | 39          | 30             | Trace     | 0.6    | 2000                 | 0530                 | 3.5  |
| Inchkeith               | form     | form     | red      | c      | 43           | 39          | 35             | -         | Trace  | -                    | -                    | 5.4  |
| Eskdalemuir             | bpc      | bpc      | red      | c      | 42           | 30          | 24             | -         | 0.3    | -                    | 0530                 | 5.4  |
| Tynemouth               | bpc      | bpc      | red      | c      | 43           | 36          | 0              | -         | -      | -                    | -                    | 4    |
| Blackod Point           | bpc      | bpc      | red      | c      | 47           | 37          | 0              | 0.2       | 0.2    | -                    | 0530                 | 4.3  |
| Donaghadee              | bpc      | bpc      | red      | c      | 47           | 35          | 27             | 1         | 0.5    | 2000                 | 0630                 | 3.4  |
| Birr Castle             | bpc      | bpc      | red      | c      | 46           | 34          | 29             | 0.1       | 0.3    | 2000                 | 0530                 | 4.3  |
| Baldonnell              | bpc      | bpc      | red      | c      | 48           | 40          | 28             | -         | -      | -                    | -                    | 2.5  |
| Holyhead                | bpc      | bpc      | red      | c      | 45           | 35          | 31             | 1         | -      | 0900                 | -                    | 2.5  |
| Liverpool (Bidston)     | bpc      | bpc      | red      | c      | 48           | 31          | 0              | 1         | 0.2    | 2000                 | -                    | 1.3  |
| Chester (Shotwick)      | bpc      | bpc      | red      | c      | 48           | 31          | 0              | 1         | 0.2    | 2000                 | -                    | 1.3  |
| Howden                  | bpc      | bpc      | red      | c      | 45           | 35          | 0              | 1         | -      | 2000                 | -                    | 1.0  |
| Spurn Head              | bpc      | bpc      | red      | c      | 47           | 29          | 27             | 2         | -      | 2000                 | -                    | 3.1  |
| Nottingham              | bpc      | bpc      | red      | c      | 47           | 31          | 24             | 25        | -      | 0900                 | -                    | 0.2  |
| Cranwell                | bpc      | bpc      | red      | c      | 46           | 31          | 30             | 4         | -      | 2000                 | -                    | 0.3  |
| Gorleston               | bpc      | bpc      | red      | c      | 48           | 27          | 19             | 3         | -      | 0900                 | -                    | 1.3  |
| Palham                  | bpc      | bpc      | red      | c      | 49           | 31          | 30             | 1         | 0.1    | 1330                 | -                    | 1.3  |
| Felixstowe              | bpc      | bpc      | red      | c      | 49           | 31          | 30             | 1         | 0.1    | 1330                 | -                    | 1.3  |
| Valencia (Cahiroiveen)  | bpc      | bpc      | red      | c      | 49           | 45          | 39             | 1         | 3      | 1100                 | 2200                 | 2.8  |
| Roches Point            | bpc      | bpc      | red      | c      | 49           | 43          | 0              | 0.1       | 1      | 2000                 | 2400                 | 3.4  |
| Pembroke (St. Ann's H.) | bpc      | bpc      | red      | c      | 52           | 43          | 0              | 0.4       | 0.4    | 2000                 | 0530                 | 2.9  |
| Ross-on-Wye             | bpc      | bpc      | red      | c      | 52           | 27          | 20             | 1         | -      | 2000                 | -                    | 2.9  |
| Benson                  | bpc      | bpc      | red      | c      | 50           | 26          | 0              | 3         | -      | 0900                 | -                    | 1.8  |
| S. Farnborough          | bpc      | bpc      | red      | c      | 50           | 24          | 21             | 5         | -      | 0900                 | -                    | 2.0  |
| London (Kew Obs.)       | bpc      | bpc      | red      | c      | 50           | 30          | 26             | 2         | 0.1    | 0900                 | -                    | 1.0  |
| Croydon                 | bpc      | bpc      | red      | c      | 51           | 31          | 26             | 2         | Trace  | 0900                 | -                    | 1.5  |
| Glaston-on-Sea          | bpc      | bpc      | red      | c      | 49           | 30          | 26             | 1         | -      | 0900                 | -                    | 1.6  |
| Shoeburyness            | bpc      | bpc      | red      | c      | 51           | 28          | 19             | 2         | 0.2    | 1100                 | -                    | 0.8  |
| Grain                   | bpc      | bpc      | red      | c      | 50           | 28          | 21             | 1         | 0.1    | 0900                 | -                    | 0.0  |
| Lympne                  | bpc      | bpc      | red      | c      | 49           | 27          | 8              | 3         | 0.1    | 2000                 | -                    | 0.0  |
| Soilly (St. Mary's)     | bpc      | bpc      | red      | c      | 54           | 45          | 0              | 3         | 1      | 2000                 | 0230                 | 0.7  |
| Falmouth (Pendennis)    | bpc      | bpc      | red      | c      | 53           | 42          | 0              | 3         | Trace  | 2000                 | 0630                 | 0.5  |
| Plymouth                | bpc      | bpc      | red      | c      | 53           | 32          | 28             | 3         | -      | -                    | -                    | 0.3  |
| Portland Bill           | bpc      | bpc      | red      | c      | 54           | 40          | 0              | 4         | -      | 2000                 | -                    | 0.6  |
| Calshot                 | bpc      | bpc      | red      | c      | 52           | 31          | 31             | 3         | 0.1    | 400                  | -                    | 0.6  |
| Dungeness               | bpc      | bpc      | red      | c      | 50           | 28          | 0              | 5         | -      | 2000                 | -                    | 0.0  |
| Jersey                  | bpc      | bpc      | red      | c      | 55           | 37          | 0              | 3         | 2      | 0900                 | 2200                 | 0.0  |



Observations from Cross Channel Steamers.

| Position. | Date and Time. | Steamship. | Wind.  |        | Weather. | Temp. |      |
|-----------|----------------|------------|--------|--------|----------|-------|------|
|           |                |            | Dirac. | Force. |          | Air.  | Sea. |
| 2         | 25.1000        | Anglia     | NW     | 4      | b        | 46    | 52   |
| 3         | 26.0400        | ?          | N      | 1      | fb       | 48    | 51   |

## GENERAL INFERENCE.

A warm South-West wind current is spreading from the West again and further rain or drizzle may be expected in all districts.

## Districts.

Forecasts for the 24 hours commencing 15h GMT Monday, 26th December, 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
- 14. N.E.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-West to West, moderate or fresh; dull, with slight rain or drizzle; visibility fair; mild.

Wind South-West or West, strong, reaching gale force in exposed places; dull, rain at times; visibility fair; mild.

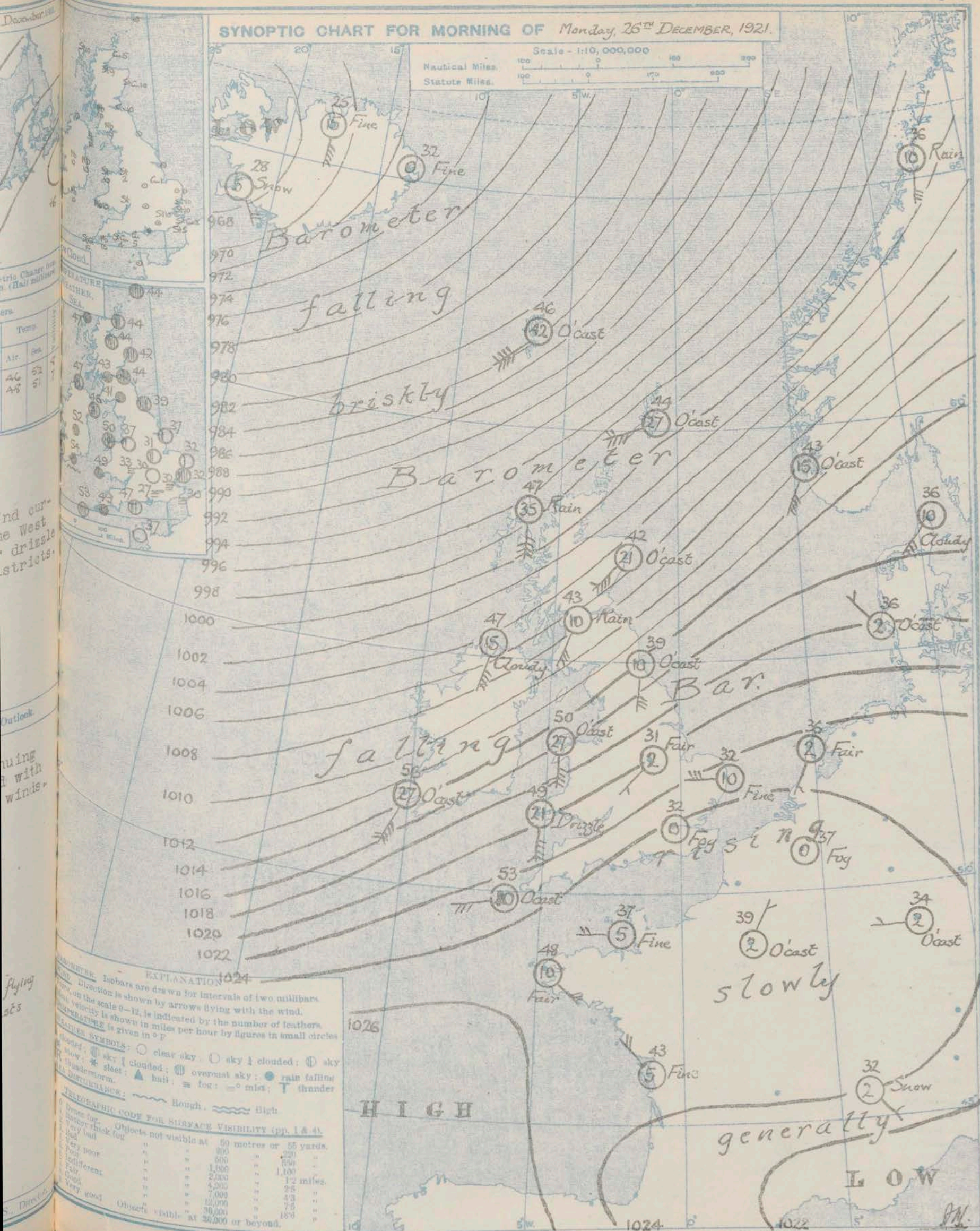
Continuing unsettled with Westerly winds.

South Coast flying all coasts



# SYNOPTIC CHART FOR MORNING OF Monday, 26<sup>th</sup> DECEMBER, 1921.

Scale - 1:10,000,000  
Nautical Miles. 100 0 100 200  
Statute Miles. 100 0 100 200





## AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4.

BRITISH SECTION. *Monday 24<sup>th</sup> December* 1921.

No. 360.

| STATIONS.                   | Observations at 0100 G.M.T. 26 <sup>th</sup> |                    |        |       |          |           |             |                  |                           |        |      | Observations at 0700 G.M.T. 24 <sup>th</sup> |                       |                    |       |       |          |           |             |                  |                           |        |       |      |       |      |       |       |      |       |      |       |      |
|-----------------------------|----------------------------------------------|--------------------|--------|-------|----------|-----------|-------------|------------------|---------------------------|--------|------|----------------------------------------------|-----------------------|--------------------|-------|-------|----------|-----------|-------------|------------------|---------------------------|--------|-------|------|-------|------|-------|-------|------|-------|------|-------|------|
|                             | Barom. at M.S.L. m.b.                        | Change in 3 hours. | Wind.  |       | Weather. | Temp. °F. | Humidity. % | Visibility. 0-10 | Height of Low Cloud. Feet | Cloud. |      |                                              | Barom. at M.S.L. m.b. | Change in 3 hours. | Wind. |       | Weather. | Temp. °F. | Humidity. % | Visibility. 0-10 | Height of Low Cloud. Feet | Cloud. |       |      |       |      |       |       |      |       |      |       |      |
|                             |                                              |                    | Direc. | Force |          |           |             |                  |                           | Form.  | Amt. | Direc.                                       |                       |                    | Force | Form. |          |           |             |                  |                           | Amt.   | Form. | Amt. | Form. | Amt. |       |       |      |       |      |       |      |
|                             |                                              |                    |        |       |          |           |             |                  |                           |        |      |                                              |                       |                    |       |       |          |           |             |                  |                           |        |       |      |       |      | Total | Form. | Amt. | Form. | Amt. | Form. | Amt. |
|                             |                                              |                    |        |       |          |           |             |                  |                           |        |      |                                              |                       |                    |       |       |          |           |             |                  |                           |        |       |      |       |      |       |       |      |       |      |       |      |
| Lerwick ...                 | 1006.8                                       | -5                 | S      | 4     | ph.      |           |             | 4                |                           |        |      | 999.0                                        | -5                    | SSW                | 5     | 0     | 51       | 97        | 1           | 1500             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Sornoway ...                |                                              |                    |        |       |          |           |             |                  |                           |        |      | 999.0                                        | -5                    | SSW                | 5     | 0     | 51       | 97        | 1           | 1500             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Wick ...                    |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1000.1                                       | -5                    | SSW                | 5     | 0     | 51       | 97        | 1           | 1500             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Castlebay ...               |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1000.1                                       | -5                    | SSW                | 5     | 0     | 51       | 97        | 1           | 1500             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Nairn ...                   |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1001.0                                       | -5                    | SSW                | 5     | 0     | 51       | 97        | 1           | 1500             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Aberdeen ...                |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1005.5                                       | -7                    | SSW                | 5     | 0     | 42       | 75        | 6           | 4000             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Malin Head ...              |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1004.0                                       | -5                    | SSW                | 4     | 0     | 47       | 97        | 8           |                  |                           |        |       |      |       |      |       |       |      |       |      |       |      |
| Renfrew ...                 |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1003.4                                       | -4                    | SSW                | 3     | 0     | 47       | 97        | 8           | 800              | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Inchkeith ...               |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1008.0                                       | -8                    | SSW                | 3     | 0     | 44       | 85        | 9           |                  |                           |        |       |      |       |      |       |       |      |       |      |       |      |
| Edinburgh ...               |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1011.5                                       | -4                    | SSW                | 6     | 0     | 41       | 97        | 5           | 1800             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Tynemouth ...               |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1014.2                                       | -4                    | S                  | 3     | 0     | 39       | 85        | 6           |                  |                           |        |       |      |       |      |       |       |      |       |      |       |      |
| Blackhead Point ...         |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1011.5                                       | -6                    | SSW                | 2     | 0     | 46       | 92        | 8           | 4000             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Donsghades ...              |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1011.4                                       | -5                    | S                  | 3     | 0     | 52       | 97        | 8           | 800              | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Birr Castle ...             |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1011.0                                       | -2                    | SSW                | 6     | 0     | 50       | 92        | 7           | 800              | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Baldonnell ...              |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1013.9                                       | -2                    | S                  | 6     | 0     | 50       | 92        | 8           | 1800             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Holyhead ...                |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1017.0                                       | -4                    | SSW                | 1     | 0     | 37       | 85        | 7           | 2800             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Liverpool (Bilston) ...     |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1016.6                                       | -3                    | SE                 | 3     | 0     | 35       | 85        | 8           | 2800             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Chester (Shotwick) ...      |                                              |                    |        |       |          |           |             |                  |                           |        |      |                                              |                       |                    |       |       |          |           |             |                  |                           |        |       |      |       |      |       |       |      |       |      |       |      |
| Howden ...                  |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1019.1                                       | 0                     | SSW                | 4     | 0     | 37       | 92        | 5           | 1800             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Spurn Head ...              |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1020.9                                       |                       | SSW                | 1     | 0     | 31       | 97        | 5           |                  |                           |        |       |      |       |      |       |       |      |       |      |       |      |
| Nottingham ...              |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1021.3                                       | 0                     | S                  | 3     | 0     | 34       | 97        | 8           | 8750             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Cranwell ...                |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1022.4                                       | 0                     | S                  | 3     | 0     | 32       | 97        | 6           |                  |                           |        |       |      |       |      |       |       |      |       |      |       |      |
| Orleston ...                |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1023.6                                       | 0                     | SSW                | 1     | 0     | 27       | 97        | 7           |                  |                           |        |       |      |       |      |       |       |      |       |      |       |      |
| Pelham ...                  |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1024.0                                       | 0                     | SSW                | 3     | 0     | 33       | 97        | 1           | 4150             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Feltham ...                 |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1024.0                                       | 0                     | S                  | 3     | 0     | 33       | 97        | 1           | 4150             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Valencia (Cabrilsen) ...    |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1018.6                                       | -3                    | SSW                | 6     | 0     | 56       | 85        | 7           | 450              | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Roches Point ...            |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1018.6                                       | -2                    | SSW                | 3     | 0     | 52       | 97        | 6           | 1800             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Pembroke (St. Ann's H.) ... |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1019.7                                       | -2                    | S                  | 5     | 0     | 49       | 92        | 7           | 450              | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Ross-on-Wye ...             |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1021.9                                       | -1                    | SSW                | 1     | 0     | 33       | 97        | 3           | 225              | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Benson ...                  |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1023.6                                       | +2                    | SSW                | 1     | 0     | 30       | 97        | 8           |                  |                           |        |       |      |       |      |       |       |      |       |      |       |      |
| S. Farnborough ...          |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1024.1                                       | 0                     | S                  | 0     | 0     | 27       | 97        | 5           |                  |                           |        |       |      |       |      |       |       |      |       |      |       |      |
| London (Kew Obs.) ...       |                                              |                    |        |       |          | 33        |             |                  |                           |        |      | 1024.5                                       | 0                     | S                  | 0     | 0     | 32       | 97        | 1           | 4150             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Croydon ...                 |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1024.6                                       | 0                     | S                  | 3     | 0     | 32       | 97        | 1           | 4150             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Glaston-on-Sea ...          |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1023.8                                       | +1                    | SSW                | 1     | 0     | 32       | 97        | 0           | 4150             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Shoeburyness ...            |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1024.1                                       | +1                    | S                  | 0     | 0     | 33       | 92        | 0           | 4150             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Grain ...                   |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1024.6                                       | +1                    | S                  | 0     | 0     | 32       | 97        | 0           | 4150             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Lympne ...                  |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1025.0                                       | +3                    | S                  | 0     | 0     | 35       | 97        | 2           | 4000             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Scilly (St. Mary's) ...     |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1022.7                                       | -1                    | SSW                | 3     | 0     | 33       | 97        | 8           | 4000             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Falmouth (Pendennis) ...    |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1022.5                                       | -1                    | SSW                | 4     | 0     | 49       | 92        | 8           | 1800             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Plymouth ...                |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1023.6                                       | 0                     | S                  | 2     | 0     | 33       | 97        | 8           | 2800             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Portland Bill ...           |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1023.0                                       | +1                    | S                  | 4     | 0     | 47       | 95        | 8           | 2800             | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Calshot ...                 |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1024.5                                       | 0                     | S                  | 0     | 0     | 34       | 97        | 1           |                  |                           |        |       |      |       |      |       |       |      |       |      |       |      |
| Dungeness ...               |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1024.7                                       | +2                    | S                  | 1     | 0     | 30       | 97        | 0           | 450              | Sc                        |        |       |      |       |      |       |       |      |       |      |       |      |
| Jersey (Tn) ...             |                                              |                    |        |       |          |           |             |                  |                           |        |      | 1025.1                                       | 0                     | S                  | 2     | 0     | 37       | 85        | 8           |                  |                           |        |       |      |       |      |       |       |      |       |      |       |      |
| Guernsey (H) ...            |                                              |                    |        |       |          |           |             |                  |                           |        |      |                                              |                       |                    |       |       |          |           |             |                  |                           |        |       |      |       |      |       |       |      |       |      |       |      |

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 25<sup>th</sup> December.

| WEATHER, TEMPERATURE, RAINFALL, & SUNSHINE. |           |            |              |                |             |           |                    |                    | WEATHER, TEMPERATURE, RAINFALL, & SUNSHINE. |           |            |              |                |             |           |                    |  |
|---------------------------------------------|-----------|------------|--------------|----------------|-------------|-----------|--------------------|--------------------|---------------------------------------------|-----------|------------|--------------|----------------|-------------|-----------|--------------------|--|
| STATIONS.                                   | Forenoon. | Afternoon. | Max. Day of. | Min. Night of. | Night 12-1. | Day 1-12. | Sunrise to Sunset. | Sunrise to Sunset. | STATIONS.                                   | Forenoon. | Afternoon. | Max. Day of. | Min. Night of. | Night 12-1. | Day 1-12. | Sunrise to Sunset. |  |
|                                             |           |            |              |                | mm.         | mm.       | hr.                | hr.                |                                             |           |            |              |                |             |           |                    |  |
| Benff ... ..                                | bc        | bc         | 43           | 35             | 2           | -         | 3.7                |                    | Paignton ... ..                             | or        | opbc       | 54           | 39             | 1           | 2         | 0.9                |  |
| Montrose ... ..                             | c         | a          | 41           | 34             | 0.5         | -         | 5.5                |                    | Ilfracombe ... ..                           | or        | bc         | 49           | 42             | 1           | 3         | 0.8                |  |
| Llandudno ... ..                            | c         | c          | 43           | 39             | 15          | -         | 1.4                |                    | Bade ... ..                                 | r         | b          | 51           | 47             | 1           | 1         | 0.0                |  |
| Golwyn Bay ... ..                           | bc        | bc         | 48           | 36             | 4           | -         | 2.4                |                    | Penzance ... ..                             | or        | admb       | 52           | 44             | 7           | 1         | 0.9                |  |
| Rhyl ... ..                                 | bc        | b          | 45           | 38             | 13          | -         | 2.6                |                    | Torquay ... ..                              | r         | b          | 53           | 40             | 1           | 4         | 0.1                |  |
| Southport ... ..                            | bc        | b          | 48           | 39             | 17          | -         | 3.3                |                    | Weymouth ... ..                             | cr        | bc         | 53           | 39             | 2           |           |                    |  |
| Blackpool ... ..                            | b         | b          | 45           | 31             | 10          | -         | 5.2                |                    | Bournemouth ... ..                          | rr        | bc         | 51           | 32             | 2           | 2         | 1.3                |  |
| Harrogate ... ..                            |           |            |              |                |             |           |                    |                    | Portsmouth (S. then) ... ..                 | or        | bc         | 52           | 38             | 1           | 6         | 0.0                |  |
| Skagness ... ..                             |           |            |              |                |             |           |                    |                    | Worthing ... ..                             | or        | bc         | 51           | 34             | 2           | 4         | 0.0                |  |
| Aberystwyth ... ..                          | roc       | bc         | 47           | 40             | 7           | -         | 2.0                |                    | Brighton ... ..                             | or        | bc         | 50           | 42             | 2           | 8         | 0.0                |  |
| Bath ... ..                                 | roc       | bc         | 45           | 38             | 3           | 2         | 0.9                |                    | Eastbourne ... ..                           | or        | bc         | 52           | 36             | 2           |           |                    |  |
| Leamington Spa ... ..                       | bc        | bc         | 45           | 36             | 4           | -         | 0.0                |                    | Hastings ... ..                             |           |            | 51           | 32             | 2           | 3         | 0.0                |  |
| Lowestoft ... ..                            | or        | bc         | 46           | 33             | 3           | 1         | 0.5                |                    | Folkestone ... ..                           | or        | bc         | 50           | 33             | 2           | 2         | 0.0                |  |
| Felkstone ... ..                            | or        | bc         | 49           | 34             | 1           | -         | 1.5                |                    | Tunbridge Wells ... ..                      | or        | bc         | 51           | 35             | 0.4         | 3         | 0.0                |  |
| Southend ... ..                             | po        | bc         | 48           | 34             | 0.8         | 1         | 1.0                |                    | Ramsgate ... ..                             | or        | c          | 51           | 34             | 1           | 1         | 0.3                |  |
|                                             |           |            |              |                |             |           |                    |                    | Margate ... ..                              | or        | c          | 51           | 34             | 1           | 1         | 0.3                |  |
|                                             |           |            |              |                |             |           |                    |                    | Deal ... ..                                 | or        | c          | 51           | 34             | 1           | 1         | 0.3                |  |
|                                             |           |            |              |                |             |           |                    |                    | Falmouth ... ..                             |           |            | 53           | 43             | 3           |           |                    |  |

\* 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. 21950

Tuesday 27<sup>th</sup> December 1921.

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| Observations at 1800 G.M.T. 26 |                  |                   |      |       |         |           |            |                |                          |       |       |       |      |                  |                   |      |       |         |           | Observations at 1800 G.M.T. 27 |                |                          |       |       |       |      |       |      |       |      |       |      |       |      |       |      |       |      |  |
|--------------------------------|------------------|-------------------|------|-------|---------|-----------|------------|----------------|--------------------------|-------|-------|-------|------|------------------|-------------------|------|-------|---------|-----------|--------------------------------|----------------|--------------------------|-------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|--|
| STATIONS                       | Barom. at M.S.L. | Change in 3 Hours | Wind |       | Weather | Temp. op. | Humidity % | Visibility 0-9 | Height of Low Cloud Feet | Cloud |       |       | Sec. | Barom. at M.S.L. | Change in 3 Hours | Wind |       | Weather | Temp. op. | Humidity %                     | Visibility 0-9 | Height of Low Cloud Feet | Cloud |       |       | Sec. |       |      |       |      |       |      |       |      |       |      |       |      |  |
|                                |                  |                   | Dir. | Force |         |           |            |                |                          | Low.  | Upper | Total |      |                  |                   | Dir. | Force |         |           |                                |                |                          | Low.  | Upper | Total |      |       |      |       |      |       |      |       |      |       |      |       |      |  |
|                                |                  |                   |      |       |         |           |            |                |                          |       |       |       |      |                  |                   |      |       |         |           |                                |                |                          |       |       |       |      | Form. | Amt. | Form. | Amt. | Form. | Amt. | Form. | Amt. | Form. | Amt. | Form. | Amt. |  |
| Lerwick                        | 992.7            | -5                | SSW  | 6     | od.     | 40        | 97         | 7              | 2500                     | Nb    | 5     | ASt   | 10   | 4                | 992.7             | 0    | W     | 5       | od.       | 43                             | 97             | 9                        | 2500  | Nb    | 10    | -    | 10    | 4    |       |      |       |      |       |      |       |      |       |      |  |
| Stornoway                      | 991.5            | -3                | SW   | 6     | od.     | 50        | 92         | 5              | 450                      | St    | 10    | -     | 10   | 4                | 992.7             | +1   | SW    | 2       | bcl       | 43                             | 97             | 9                        | 4000  | Nb    | 6     | -    | 6     | 1    |       |      |       |      |       |      |       |      |       |      |  |
| Wick                           | 994.5            | -3                | SSW  | 6     | od.     | 48        | 92         | 3              | 5750                     | St    | 10    | -     | 10   | 4                | 993.2             | +2   | W     | 2       | od.       | 42                             | 97             | 9                        | 1500  | St    | 7     | ASt  | 10    | 1    |       |      |       |      |       |      |       |      |       |      |  |
| Castellbay                     | 994.5            | -3                | SW   | 6     | od.     | 51        | 92         | 6              | 800                      | Nb    | 10    | -     | 10   | 4                | 996.0             | 0    | W     | 4       | od.       | 45                             | 92             | 6                        | 800   | St    | 10    | -    | 10    | 4    |       |      |       |      |       |      |       |      |       |      |  |
| Nairn                          | 994.5            | -3                | SW   | 6     | od.     | 51        | 92         | 6              | 800                      | Nb    | 10    | -     | 10   | 4                | 994.9             | 0    | WNW   | 1       | od.       | 43                             | 92             | 8                        | 1500  | St    | 9     | -    | 9     | 0    |       |      |       |      |       |      |       |      |       |      |  |
| Aberdeen                       | 992.2            | -8                | SW   | 3     | od.     | 41        | 97         | 5              | 1500                     | Nb    | 10    | -     | 10   | 4                | 995.2             | -1   | WNW   | 3       | od.       | 48                             | 97             | 7                        | 1500  | St    | 10    | -    | 10    | 0    |       |      |       |      |       |      |       |      |       |      |  |
| Malin Head                     | 994.4            | -1                | SW   | 4     | od.     | 41        | 97         | 8              | 1500                     | Nb    | 10    | -     | 10   | 4                | 995.2             | 0    | SSW   | 3       | od.       | 47                             | 92             | 7                        | 4000  | Nb    | 10    | -    | 10    | 2    |       |      |       |      |       |      |       |      |       |      |  |
| Benfrew                        | 1002.0           | -6                | SW   | 5     | od.     | 51        | 97         | 6              | 1500                     | Nb    | 10    | -     | 10   | 4                | 997.6             | +4   | SW    | 4       | od.       | 53                             | 92             | 9                        | 1500  | Nb    | 10    | -    | 10    | 4    |       |      |       |      |       |      |       |      |       |      |  |
| Inchkeith                      | 1000.1           | -7                | WSW  | 5     | od.     | 52        | 92         | 2              | -                        | Nb    | 10    | -     | 10   | 4                | 996.1             | -3   | WSW   | 5       | od.       | 53                             | 85             | 9                        | -     | Nb    | 10    | -    | 10    | 4    |       |      |       |      |       |      |       |      |       |      |  |
| Bakdalemair                    | 1000.4           | -6                | SSW  | 7     | od.     | 48        | 97         | 4              | 450                      | Nb    | 10    | -     | 10   | 4                | 1000.5            | -3   | SW    | 5       | od.       | 49                             | 97             | 6                        | 450   | Nb    | 10    | -    | 10    | 4    |       |      |       |      |       |      |       |      |       |      |  |
| Tyarnmouth                     | 1008.0           | -5                | SW   | 4     | od.     | 49        | 85         | 0              | 5750                     | St    | 8     | -     | 8    | 4                | 1008.4            | -3   | WSW   | 4       | od.       | 54                             | 85             | 7                        | 4000  | St    | 3     | ASt  | 10    | 2    |       |      |       |      |       |      |       |      |       |      |  |
| Blackhead Point                | 1000.9           | -4                | SW   | 6     | od.     | 59        | 65         | 7              | 450                      | Nb    | 10    | -     | 10   | 4                | 1000.1            | -4   | SW    | 3       | od.       | 54                             | 85             | 8                        | 2500  | St    | 10    | -    | 10    | 3    |       |      |       |      |       |      |       |      |       |      |  |
| Donaghadee                     | 1004.8           | -4                | SW   | 3     | od.     | 55        | 85         | 8              | 5750                     | St    | 9     | -     | 9    | 4                | 1004.6            | -4   | WSW   | 3       | od.       | 49                             | 97             | 5                        | 1500  | Nb    | 10    | -    | 10    | 4    |       |      |       |      |       |      |       |      |       |      |  |
| Birr Castle                    | 1008.2           | -4                | SW   | 2     | od.     | 55        | 85         | 7              | 1500                     | Nb    | 10    | -     | 10   | 4                | 1004.6            | -4   | WSW   | 3       | od.       | 49                             | 97             | 5                        | 1500  | Nb    | 10    | -    | 10    | 4    |       |      |       |      |       |      |       |      |       |      |  |
| Baldonnell                     | 1007.7           | -5                | SSW  | 6     | od.     | 55        | 85         | 7              | 1500                     | St    | 10    | -     | 10   | 4                | 1004.6            | -4   | SSW   | 6       | od.       | 53                             | 92             | 6                        | 800   | Nb    | 10    | -    | 10    | 4    |       |      |       |      |       |      |       |      |       |      |  |
| Holyhead                       | 1007.7           | -5                | SSW  | 6     | od.     | 54        | 97         | 7              | 800                      | St    | 10    | -     | 10   | 4                | 1006.3            | -5   | SSW   | 6       | od.       | 53                             | 97             | 7                        | 450   | St    | 10    | -    | 10    | 5    |       |      |       |      |       |      |       |      |       |      |  |
| Liverpool (Bidston)            | 1010.5           | -6                | SW   | 4     | od.     | 54        | 85         | 9              | 2500                     | St    | 10    | -     | 10   | 4                | 1008.9            | -2   | SSW   | 5       | od.       | 53                             | 85             | 8                        | 1500  | Nb    | 10    | -    | 10    | 6    |       |      |       |      |       |      |       |      |       |      |  |
| Chester (Shotwick)             | 1011.5           | -6                | WSW  | 3     | od.     | 56        | 75         | 9              | 800                      | St    | 7     | ASt   | 10   | 4                | 1008.5            | -3   | SW    | 3       | od.       | 55                             | 75             | 7                        | 1500  | Nb    | 10    | -    | 10    | 4    |       |      |       |      |       |      |       |      |       |      |  |
| Rowden                         | 1011.4           | -5                | SSW  | 5     | od.     | 42        | 92         | 6              | 4000                     | St    | 9     | -     | 9    | 4                | 1010.1            | -4   | SSW   | 6       | od.       | 46                             | 92             | 7                        | 4000  | St    | 10    | -    | 10    | 4    |       |      |       |      |       |      |       |      |       |      |  |
| Spurn Head                     | 1015.9           | -5                | SW   | 4     | od.     | 45        | 85         | 8              | 2500                     | St    | 10    | -     | 10   | 4                | 1012.0            | -4   | SW    | 3       | od.       | 49                             | 92             | 5                        | 2500  | St    | 10    | -    | 10    | 4    |       |      |       |      |       |      |       |      |       |      |  |
| Nottingham                     | 1015.9           | -5                | SW   | 4     | od.     | 45        | 85         | 8              | 2500                     | St    | 10    | -     | 10   | 4                | 1012.7            | -4   | SSW   | 6       | od.       | 48                             | 92             | 8                        | 2500  | St    | 10    | -    | 10    | 4    |       |      |       |      |       |      |       |      |       |      |  |
| Oranmore                       | 1015.9           | -5                | SW   | 4     | od.     | 45        | 85         | 8              | 2500                     | St    | 10    | -     | 10   | 4                | 1012.3            | -2   | SW    | 5       | od.       | 43                             | 85             | 7                        | -     | 0     | ASt   | 10   | 4     |      |       |      |       |      |       |      |       |      |       |      |  |
| Gorleston                      | 1021.3           | -1                | SW   | 4     | od.     | 36        | 97         | 4              | 2500                     | St    | 2     | CSt   | 4    | 4                | 1019.4            | -3   | SSW   | 5       | od.       | 44                             | 85             | 4                        | 4000  | St    | 6     | -    | 6     | 4    |       |      |       |      |       |      |       |      |       |      |  |
| Pulham                         | 1020.4           | -3                | SSW  | 4     | od.     | 36        | 97         | 3              | -                        | 0     | ASt   | 5     | 5    | 4                | 1020.0            | -2   | SW    | 4       | od.       | 44                             | 85             | 8                        | 4000  | St    | 10    | -    | 10    | 1    |       |      |       |      |       |      |       |      |       |      |  |
| Pelissawa                      | 1021.5           | -2                | SW   | 3     | od.     | 42        | 97         | 5              | 4000                     | St    | 1     | -     | 1    | 4                | 1008.4            | -4   | W     | 4       | od.       | 49                             | 92             | 6                        | 450   | St    | 10    | -    | 10    | 5    |       |      |       |      |       |      |       |      |       |      |  |
| Valencia (Cahirovee)           | 1010.4           | -4                | SW   | 6     | od.     | 55        | 92         | 6              | 800                      | St    | 10    | -     | 10   | 4                | 1009.2            | -5   | SW    | 6       | od.       | 54                             | 97             | 7                        | 800   | Nb    | 10    | -    | 10    | 4    |       |      |       |      |       |      |       |      |       |      |  |
| Roches Point                   | 1011.0           | -4                | SW   | 5     | od.     | 54        | 92         | 6              | 800                      | St    | 10    | -     | 10   | 4                | 1012.7            | -2   | SW    | 6       | od.       | 53                             | 92             | 7                        | 1500  | Nb    | 10    | -    | 10    | 4    |       |      |       |      |       |      |       |      |       |      |  |
| Pembroke (St. Ann's H.)        | 1010.8           | -2                | SW   | 5     | od.     | 49        | 97         | 6              | 1500                     | Nb    | 10    | -     | 10   | 4                | 1012.0            | -4   | SW    | 6       | od.       | 51                             | 92             | 7                        | 2500  | Nb    | 10    | -    | 10    | 4    |       |      |       |      |       |      |       |      |       |      |  |
| Ross-on-Wye                    | 1010.0           | -6                | SW   | 4     | od.     | 46        | 97         | 7              | 1500                     | St    | 10    | -     | 10   | 4                | 1017.2            | -4   | S     | 5       | od.       | 46                             | 92             | 7                        | -     | 0     | ASt   | 10   | 4     |      |       |      |       |      |       |      |       |      |       |      |  |
| Barnstaple                     | 1021.8           | -3                | SSW  | 4     | od.     | 40        | 97         | 6              | 4000                     | St    | 4     | ASt   | 7    | 7                | 1018.7            | -3   | SW    | 5       | od.       | 46                             | 97             | 6                        | 1500  | St    | 10    | -    | 10    | 4    |       |      |       |      |       |      |       |      |       |      |  |
| S. Farnborough                 | 1021.6           | -6                | SSW  | 4     | od.     | 45        | 85         | 6              | 5750                     | St    | 9     | -     | 9    | 4                | 1018.7            | -2   | SSW   | 5       | od.       | 47                             | 92             | 6                        | 2500  | St    | 10    | -    | 10    | 4    |       |      |       |      |       |      |       |      |       |      |  |
| London (Kew Obs.)              | 1021.6           | -6                | SSW  | 4     | od.     | 45        | 85         | 6              | 5750                     | St    | 9     | -     | 9    | 4                | 1019.4            | -3   | S     | 6       | od.       | 46                             | 97             | 5                        | 1500  | St    | 10    | -    | 10    | 4    |       |      |       |      |       |      |       |      |       |      |  |
| Croydon                        | 1021.1           | -5                | S    | 3     | od.     | 43        | 92         | 5              | 5750                     | St    | 4     | ASt   | 8    | 8                | 1018.9            | -4   | SW    | 4       | od.       | 44                             | 85             | 7                        | -     | 0     | ASt   | 5    | 1     |      |       |      |       |      |       |      |       |      |       |      |  |
| Clacton-on-Sea                 | 1021.3           | -2                | SSW  | 4     | od.     | 43        | 85         | 6              | 2500                     | St    | 1     | ASt   | 2    | 2                | 1019.2            | -3   | SW    | 6       | od.       | 44                             | 85             | 7                        | 2500  | St    | 8     | -    | 8     | 4    |       |      |       |      |       |      |       |      |       |      |  |
| Saundersfoot                   | 1021.7           | -4                | SW   | 3     | od.     | 44        | 85         | 5              | -                        | 0     | -     | 0     | 0    | 0                | 1019.2            | -3   | SW    | 6       | od.       | 44                             | 85             | 7                        | 4000  | St    | 10    | -    | 10    | 4    |       |      |       |      |       |      |       |      |       |      |  |
| Grain                          | 1021.7           | -4                | SW   | 3     | od.     | 44        | 85         | 5              | -                        | 0     | -     | 0     | 0    | 0                | 1021.9            | -1   | SW    | 6       | od.       | 43                             | 97             | 6                        | 1500  | St    | 2     | -    | 2     | 4    |       |      |       |      |       |      |       |      |       |      |  |
| Lyngoe                         | 1021.6           | -2                | SSW  | 4     | od.     | 41        | 92         | 5              | 1500                     | St    | 4     | -     | 4    | 4                | 1019.0            | +2   | SW    | 5       | od.       | 54                             | 92             | 8                        | 4000  | St    | 8     | -    | 8     | 5    |       |      |       |      |       |      |       |      |       |      |  |
| Solly (St. Mary's)             | 1021.1           | -1                | WSW  | 4     | od.     | 54        | 97         | 6              | 1500                     | St    | 10    | -     | 10   | 4                | 1017.2            | -4   | WSW   | 6       | od.       | 53                             | 92             | 7                        | 1500  | St    | 10    | -    | 10    | 2    |       |      |       |      |       |      |       |      |       |      |  |
| Falmouth (Pendennis)           | 1020.8           | -4                | SW   | 6     | od.     | 53        | 97         | 5              | 1500                     | St    | 10    | -     | 10   | 4                | 1017.4            | -3   | SW    | 4       | od.       | 54                             | 92             | 8                        | 800   | St    | 10    | -    | 10    | 0    |       |      |       |      |       |      |       |      |       |      |  |
| Plymouth                       | 1020.8           | -5                | S    | 4     | od.     | 51        | 97         | 5              | 450                      | Nb    | 10    | -     | 10   | 4                | 1018.7            | -4   | SW    | 6       | od.       | 51                             | 85             | 6                        | 450   | St    | 10    | -    | 10    | 5    |       |      |       |      |       |      |       |      |       |      |  |
| Portland Bill                  | 1021.0           | -2                | SW   | 5     | od.     | 51        | 85         | 8              | 2500                     | St    | 10    | -     | 10   | 4                | 1019.7            | -3   | SW    | 5       | od.       | 48                             | 92             | 6                        | 1500  | Nb    | 10    | -    | 10    | 0    |       |      |       |      |       |      |       |      |       |      |  |
| Calshot                        | 1021.5           | -4                | SSW  | 4     | od.     | 47        | 92         | 7              | 4000                     | St    | 6     | ASt   | 10   | 4                | 1021.0            | -2   | SW    | 5       | od.       | 48                             | 85             | 8                        | -     | 0     | ASt   | 5    | 5     |      |       |      |       |      |       |      |       |      |       |      |  |
| Dungeness                      | 1021.3           | -3                | SW   | 4     | od.     | 47        | 85         | 8              | -                        | 0     | -     | 0     | 0    | 0                | 1021.2            | 0    | SSW   | 3       | od.       | 49                             | 85             | 8                        | 2500  | St    | 10    | -    | 10    | 3    |       |      |       |      |       |      |       |      |       |      |  |
| Jersey                         | 1021.5           | -1                | S    | 3     | od.     | 50        | 85         | 8              | 2500                     | St    | 10    | -     | 10   | 4                | 1021.2            | 0    | SSW   | 3       | od.       | 49                             | 85             | 8                        | 2500  | St    | 10    | -    | 10    | 3    |       |      |       |      |       |      |       |      |       |      |  |

| LONDON OBSERVATIONS                         |           |       |             |          |                   |           |       |           |     | SOUTH KENSINGTON                            |            |                       |     |     |                 |     |     |                                    |     | Kew Observatory                             |     |     |     |     |     |     |     |  |  |
|---------------------------------------------|-----------|-------|-------------|----------|-------------------|-----------|-------|-----------|-----|---------------------------------------------|------------|-----------------------|-----|-----|-----------------|-----|-----|------------------------------------|-----|---------------------------------------------|-----|-----|-----|-----|-----|-----|-----|--|--|
| WEATHER                                     |           |       | TEMPERATURE |          |                   | RAIN-FALL |       | SUN-SHINE |     | HUMIDITY                                    |            | ATMOSPHERIC POLLUTION |     |     | SOLAR RADIATION |     |     | POLE STAR BE-OND at Greenwich Obs. |     |                                             |     |     |     |     |     |     |     |  |  |
| Meaning                                     | Afternoon | Night | Max. op.    | Min. op. | Min. on Grass op. | Day       | Night | h         | min | 16h. G.M.T.                                 | 9h. G.M.T. | 100                   | 100 | 100 | 100             | 100 | 100 | 100                                | 100 | 100                                         | 100 | 100 | 100 | 100 | 100 | 100 | 100 |  |  |
| 24 HOURS ENDED 0600 G.M.T. 27               |           |       |             |          |                   |           |       |           |     | YESTERDAY                                   |            |                       |     |     |                 |     |     |                                    |     | TO-DAY                                      |     |     |     |     |     |     |     |  |  |
| Kew                                         |           |       |             |          |                   |           |       |           |     | South Kensington                            |            |                       |     |     |                 |     |     |                                    |     | Kew Observatory                             |     |     |     |     |     |     |     |  |  |
| Croydon                                     |           |       |             |          |                   |           |       |           |     | South Kensington                            |            |                       |     |     |                 |     |     |                                    |     | Kew Observatory                             |     |     |     |     |     |     |     |  |  |
| Greenwich (Royal Obs.)                      |           |       |             |          |                   |           |       |           |     | South Kensington                            |            |                       |     |     |                 |     |     |                                    |     | Kew Observatory                             |     |     |     |     |     |     |     |  |  |
| City (Basil Hill Row)                       |           |       |             |          |                   |           |       |           |     | South Kensington                            |            |                       |     |     |                 |     |     |                                    |     | Kew Observatory                             |     |     |     |     |     |     |     |  |  |
| Westminster (St. James' Pl.)                |           |       |             |          |                   |           |       |           |     | South Kensington                            |            |                       |     |     |                 |     |     |                                    |     | Kew Observatory                             |     |     |     |     |     |     |     |  |  |
| Regents Pl. (Botanical Obs.)                |           |       |             |          |                   |           |       |           |     | South Kensington                            |            |                       |     |     |                 |     |     |                                    |     | Kew Observatory                             |     |     |     |     |     |     |     |  |  |
| Canterbury Sq. (Brit. Rainfall)             |           |       |             |          |                   |           |       |           |     | South Kensington                            |            |                       |     |     |                 |     |     |                                    |     | Kew Observatory                             |     |     |     |     |     |     |     |  |  |
| Kensington Palace                           |           |       |             |          |                   |           |       |           |     | South Kensington                            |            |                       |     |     |                 |     |     |                                    |     | Kew Observatory                             |     |     |     |     |     |     |     |  |  |
| Hampton Palace                              |           |       |             |          |                   |           |       |           |     | South Kensington                            |            |                       |     |     |                 |     |     |                                    |     | Kew Observatory                             |     |     |     |     |     |     |     |  |  |
| Hampton Observatory                         |           |       |             |          |                   |           |       |           |     | South Kensington                            |            |                       |     |     |                 |     |     |                                    |     | Kew Observatory                             |     |     |     |     |     |     |     |  |  |
| Radio Disturbances (Atmospheric) at Croydon |           |       |             |          |                   |           |       |           |     | Radio Disturbances (Atmospheric) at Croydon |            |                       |     |     |                 |     |     |                                    |     | Radio Disturbances (Atmospheric) at Croydon |     |     |     |     |     |     |     |  |  |
| Time                                        |           |       |             |          |                   |           |       |           |     | Time                                        |            |                       |     |     |                 |     |     |                                    |     | Time                                        |     |     |     |     |     |     |     |  |  |
| Type                                        |           |       |             |          |                   |           |       |           |     | Type                                        |            |                       |     |     |                 |     |     |                                    |     | Type                                        |     |     |     |     |     |     |     |  |  |
| No. per 4 sec.                              |           |       |             |          |                   |           |       |           |     | No. per 4 sec.                              |            |                       |     |     |                 |     |     |                                    |     | No. per 4 sec.                              |     |     |     |     |     |     |     |  |  |
| Stren.                                      |           |       |             |          |                   |           |       |           |     | Stren.                                      |            |                       |     |     |                 |     |     |                                    |     | Stren.                                      |     |     |     |     |     |     |     |  |  |
| Direc.                                      |           |       |             |          |                   |           |       |           |     | Direc.                                      |            |                       |     |     |                 |     |     |                                    |     | Direc.                                      |     |     |     |     |     |     |     |  |  |
| 15h.                                        |           |       |             |          |                   |           |       |           |     | 15h.                                        |            |                       |     |     |                 |     |     |                                    |     | 15h.                                        |     |     |     |     |     |     |     |  |  |
| 16h.                                        |           |       |             |          |                   |           |       |           |     | 16h.                                        |            |                       |     |     |                 |     |     |                                    |     | 16h.                                        |     |     |     |     |     |     |     |  |  |
| 17h.                                        |           |       |             |          |                   |           |       |           |     | 17h.                                        |            |                       |     |     |                 |     |     |                                    |     | 17h.                                        |     |     |     |     |     |     |     |  |  |
| 18h.                                        |           |       |             |          |                   |           |       |           |     | 18h.                                        |            |                       |     |     |                 |     |     |                                    |     | 18h.                                        |     |     |     |     |     |     |     |  |  |
| 19h.                                        |           |       |             |          |                   |           |       |           |     | 19h.                                        |            |                       |     |     |                 |     |     |                                    |     | 19h.                                        |     |     |     |     |     |     |     |  |  |
| 20h.                                        |           |       |             |          |                   |           |       |           |     | 20h.                                        |            |                       |     |     |                 |     |     |                                    |     | 20h.                                        |     |     |     |     |     |     |     |  |  |
| 21h.                                        |           |       |             |          |                   |           |       |           |     | 21h.                                        |            |                       |     |     |                 |     |     |                                    |     | 21h.                                        |     |     |     |     |     |     |     |  |  |
| 22h.                                        |           |       |             |          |                   |           |       |           |     | 22h.                                        |            |                       |     |     |                 |     |     |                                    |     | 22h.                                        |     |     |     |     |     |     |     |  |  |
| 23h.                                        |           |       |             |          |                   |           |       |           |     | 23h.                                        |            |                       |     |     |                 |     |     |                                    |     | 23h.                                        |     |     |     |     |     |     |     |  |  |
| 24h.                                        |           |       |             |          |                   |           |       |           |     | 24h.                                        |            |                       |     |     |                 |     |     |                                    |     | 24h.                                        |     |     |     |     |     |     |     |  |  |
| 25h.                                        |           |       |             |          |                   |           |       |           |     | 25h.                                        |            |                       |     |     |                 |     |     |                                    |     | 25h.                                        |     |     |     |     |     |     |     |  |  |
| 26h.                                        |           |       |             |          |                   |           |       |           |     | 26h.                                        |            |                       |     |     |                 |     |     |                                    |     | 26h.                                        |     |     |     |     |     |     |     |  |  |
| 27h.                                        |           |       |             |          |                   |           |       |           |     | 27h.                                        |            |                       |     |     |                 |     |     |                                    |     | 27h.                                        |     |     |     |     |     |     |     |  |  |
| 28h.                                        |           |       |             |          |                   |           |       |           |     | 28h.                                        |            |                       |     |     |                 |     |     |                                    |     | 28h.                                        |     |     |     |     |     |     |     |  |  |
| 29h.                                        |           |       |             |          |                   |           |       |           |     | 29h.                                        |            |                       |     |     |                 |     |     |                                    |     | 29h.                                        |     |     |     |     |     |     |     |  |  |
| 30h.                                        |           |       |             |          |                   |           |       |           |     | 30h.                                        |            |                       |     |     |                 |     |     |                                    |     | 30h.                                        |     |     |     |     |     |     |     |  |  |
| 31h.                                        |           |       |             |          |                   |           |       |           |     | 31h.                                        |            |                       |     |     |                 |     |     |                                    |     | 31h.                                        |     |     |     |     |     |     |     |  |  |
| 32h.                                        |           |       |             |          |                   |           |       |           |     | 32h.                                        |            |                       |     |     |                 |     |     |                                    |     | 32h.                                        |     |     |     |     |     |     |     |  |  |
| 33h.                                        |           |       |             |          |                   |           |       |           |     | 33h.                                        |            |                       |     |     |                 |     |     |                                    |     | 33h.                                        |     |     |     |     |     |     |     |  |  |
| 34h.                                        |           |       |             |          |                   |           |       |           |     | 34h.                                        |            |                       |     |     |                 |     |     |                                    |     | 34h.                                        |     |     |     |     |     |     |     |  |  |
| 35h.                                        |           |       |             |          |                   |           |       |           |     | 35h.                                        |            |                       |     |     |                 |     |     |                                    |     | 35h.                                        |     |     |     |     |     |     |     |  |  |
| 36h.                                        |           |       |             |          |                   |           |       |           |     | 36h.                                        |            |                       |     |     |                 |     |     |                                    |     | 36h.                                        |     |     |     |     |     |     |     |  |  |
| 37h.                                        |           |       |             |          |                   |           |       |           |     | 37h.                                        |            |                       |     |     |                 |     |     |                                    |     | 37h.                                        |     |     |     |     |     |     |     |  |  |
| 38h.                                        |           |       |             |          |                   |           |       |           |     | 38h.                                        |            |                       |     |     |                 |     |     |                                    |     | 38h.                                        |     |     |     |     |     |     |     |  |  |
| 39h.                                        |           |       |             |          |                   |           |       |           |     | 39h.                                        |            |                       |     |     |                 |     |     |                                    |     | 39h.                                        |     |     |     |     |     |     |     |  |  |
| 40h.                                        |           |       |             |          |                   |           |       |           |     | 40h.                                        |            |                       |     |     |                 |     |     |                                    |     | 40h.                                        |     |     |     |     |     |     |     |  |  |
| 41h.                                        |           |       |             |          |                   |           |       |           |     | 41h.                                        |            |                       |     |     |                 |     |     |                                    |     | 41h.                                        |     |     |     |     |     |     |     |  |  |
| 42h.                                        |           |       |             |          |                   |           |       |           |     | 42h.                                        |            |                       |     |     |                 |     |     |                                    |     | 42h.                                        |     |     |     |     |     |     |     |  |  |
| 43h.                                        |           |       |             |          |                   |           |       |           |     | 43h.                                        |            |                       |     |     |                 |     |     |                                    |     | 43h.                                        |     |     |     |     |     |     |     |  |  |
| 44h.                                        |           |       |             |          |                   |           |       |           |     | 44h.                                        |            |                       |     |     |                 |     |     |                                    |     | 44h.                                        |     |     |     |     |     |     |     |  |  |
| 45h.                                        |           |       |             |          |                   |           |       |           |     | 45h.                                        |            |                       |     |     |                 |     |     |                                    |     | 45h.                                        |     |     |     |     |     |     |     |  |  |
| 46h.                                        |           |       |             |          |                   |           |       |           |     |                                             |            |                       |     |     |                 |     |     |                                    |     |                                             |     |     |     |     |     |     |     |  |  |

## LONDON OBSERVATIONS.

| Hour                            | Temp. | Wind | Weather | Humidity | Barom. | Cloud | Visibility | Sea | State | Direction | Force | Temp. | Wind | Weather | Humidity | Barom. | Cloud | Visibility | Sea | State | Direction | Force |
|---------------------------------|-------|------|---------|----------|--------|-------|------------|-----|-------|-----------|-------|-------|------|---------|----------|--------|-------|------------|-----|-------|-----------|-------|
| 24 hours ended 0700             | 41    | 42   | 43      | 44       | 45     | 46    | 47         | 48  | 49    | 50        | 51    | 52    | 53   | 54      | 55       | 56     | 57    | 58         | 59  | 60    | 61        | 62    |
| Greenwich (Royal Obs.)          | 41    | 42   | 43      | 44       | 45     | 46    | 47         | 48  | 49    | 50        | 51    | 52    | 53   | 54      | 55       | 56     | 57    | 58         | 59  | 60    | 61        | 62    |
| City (Southill Row)             | 41    | 42   | 43      | 44       | 45     | 46    | 47         | 48  | 49    | 50        | 51    | 52    | 53   | 54      | 55       | 56     | 57    | 58         | 59  | 60    | 61        | 62    |
| Westminster (St. James' Pl.)    | 41    | 42   | 43      | 44       | 45     | 46    | 47         | 48  | 49    | 50        | 51    | 52    | 53   | 54      | 55       | 56     | 57    | 58         | 59  | 60    | 61        | 62    |
| Regent's Pl. (Botanical Obs.)   | 41    | 42   | 43      | 44       | 45     | 46    | 47         | 48  | 49    | 50        | 51    | 52    | 53   | 54      | 55       | 56     | 57    | 58         | 59  | 60    | 61        | 62    |
| Canterbury Sq. (Brit. Rainfall) | 41    | 42   | 43      | 44       | 45     | 46    | 47         | 48  | 49    | 50        | 51    | 52    | 53   | 54      | 55       | 56     | 57    | 58         | 59  | 60    | 61        | 62    |
| Kennington Palace               | 41    | 42   | 43      | 44       | 45     | 46    | 47         | 48  | 49    | 50        | 51    | 52    | 53   | 54      | 55       | 56     | 57    | 58         | 59  | 60    | 61        | 62    |
| Hampton Observatory             | 41    | 42   | 43      | 44       | 45     | 46    | 47         | 48  | 49    | 50        | 51    | 52    | 53   | 54      | 55       | 56     | 57    | 58         | 59  | 60    | 61        | 62    |

## RADIO DISTURBANCES (Atmospheric) AT CROYDON.

| Time        | Type | No. per<br>4 sec. | Stren. | Dist.            |
|-------------|------|-------------------|--------|------------------|
| 13h.        | C    | 6                 | 1      | 140 <sup>a</sup> |
| 14h.        | C    | 6                 | 1      | 140 <sup>a</sup> |
| 15h.        | C    | 5                 | 1      | 180 <sup>a</sup> |
| 16h.        | C    | 5                 | 1      | 180 <sup>a</sup> |
| *For exple. |      |                   |        |                  |

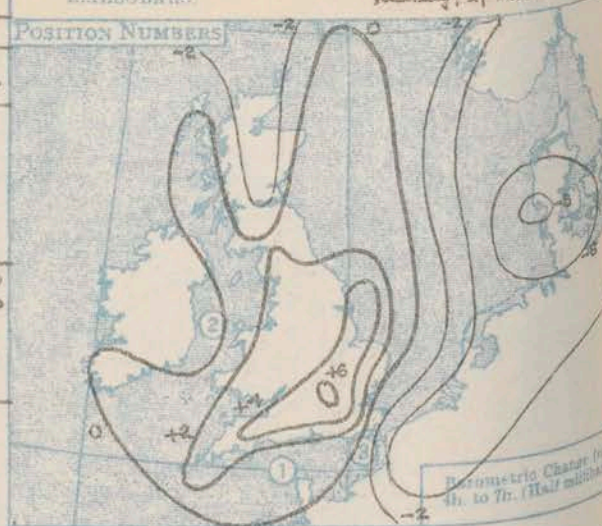


## SUMMARIES FOR THE PAST 24 HOURS.

## ISALLOBARS.

Tuesday, 27th December 1921.

| STATIONS.               | WEATHER. |          |          |          | TEMPERATURE. |             |                | RAINFALL. |        |                      |                      | SUN. |
|-------------------------|----------|----------|----------|----------|--------------|-------------|----------------|-----------|--------|----------------------|----------------------|------|
|                         | 7h-13h.  | 13h-19h. | 19h-24h. | 24h.     | MAX. Day.    | MIN. Night. | MIN. on Grass. | Day.      | Night. | Precipitation began. | Precipitation ended. |      |
| Lerwick                 | p        | ford     | p        | h. r. h. | 46           | 34          | .              | 5         | 9      | 4.000                | 4.200                | .    |
| Stornoway               | ford     | ford     | h. r. h. | p        | 51           | 34          | .              | 6         | 7      | -                    | -                    | 0.0  |
| Wick                    | oo       | o/r      | barbe    | h. p.    | 48           | 36          | .              | 1         | 0.2    | 14.30                | 04.30                | .    |
| Castlebay               | oddo     | dRop     | be h. p. | .        | 51           | 34          | .              | 6         | 2      | 11.00                | -                    | 0.0  |
| Nairn                   | p        | b        | p        | g        | 51           | 36          | .              | 5         | 2      | 11.00                | 22.00                | 0.0  |
| Aberdeen                | omdg     | bcmo     | o/r      | cm       | 52           | 38          | 31             | Trace     | 2      | 09.00                | 4.20.00              | 0.0  |
| Malin Head              | irirg    | oo       | cpr      | o/r      | 52           | 41          | .              | 2         | 1      | 4.00.00              | 4.20.00              | 0.0  |
| Renfrew                 | orm      | ormg     | o/r      | R. m     | 53           | 40          | 37             | 5         | 9      | 4.00.00              | -                    | 0.0  |
| Inchkeith               | p        | p        | p        | ford     | 54           | 38          | 37             | 3         | 6      | 14.30                | 05.30                | .    |
| Esksdalemuir            | ford     | o/r      | o/r      | mo       | 50           | 38          | 36             | 26        | 17     | 4.00.00              | 4.20.00              | 0.0  |
| Tynemouth               | img      | o/r      | img      | g. r. m  | 54           | 43          | .              | -         | 5      | -                    | 4.20.00              | .    |
| Blacksod Point          | p        | .        | .        | .        | .            | .           | .              | .         | .      | .                    | .                    | .    |
| Donaghadee              | odg      | odg      | bc       | bc       | 55           | 41          | .              | 1         | -      | 4.00.00              | -                    | .    |
| Birr Castle             | o/r      | o/r      | o/r      | o/r      | 56           | 42          | 36             | 10        | 6      | 4.00.00              | 4.20.00              | 0.0  |
| Baldonnell              | oo       | o/r      | o/r      | o/r      | 55           | 40          | 36             | 2         | 11     | 4.00.00              | 4.20.00              | 0.0  |
| Holyhead                | oddo     | o/r      | o/r      | cb       | 54           | 45          | 41             | 0.5       | 12     | 4.00.00              | 4.20.00              | 0.0  |
| Liverpool (Bidston)     | c        | ford     | ford     | .        | 55           | 37          | 33             | 0.3       | 5      | 16.30                | 4.20.00              | 1.2  |
| Chester (Shotwick)      | oo       | oddo     | ford     | .        | 56           | 42          | .              | 0.2       | 5      | 13.30                | 4.20.00              | .    |
| Howden                  | .        | .        | .        | .        | .            | .           | .              | .         | .      | .                    | .                    | .    |
| Spurn Head              | c        | c        | p        | c        | 48           | 35          | .              | 0.1       | 2      | 14.30                | 4.20.00              | 2.7  |
| Nottingham              | bbc      | oo       | R        | .        | 49           | 40          | 34             | -         | 4      | -                    | 24.00                | 0.0  |
| Crawwell                | c        | oo       | ir       | r        | 48           | 41          | 38             | 0.2       | 3      | -                    | 24.00                | 2.1  |
| Gorleston               | bfb      | omg      | oo       | RRg      | 44           | 43          | 42             | -         | 6      | -                    | 0.130                | 3.4  |
| Fulham                  | fm       | c        | ford     | .        | 44           | 43          | 39             | -         | 5      | -                    | 0.530                | 0.6  |
| Felixstowe              | F        | c        | ford     | .        | 44           | 43          | 41             | 0.2       | 3      | 4.00.00              | 0.330                | 2.8  |
| Valencia (Cabraveas)    | LR       | OR       | o/r      | o/r      | 56           | 48          | 44             | 15        | 6      | 11.00                | 4.20.00              | 0.0  |
| Roches Point            | odg      | ford     | ford     | .        | 54           | 45          | .              | 3         | 3      | 4.00.00              | 4.20.00              | .    |
| Pembroke (St. Ann's H.) | odg      | odg      | o/r      | o/r      | 53           | 48          | .              | 0.6       | 8      | 4.00.00              | 4.20.00              | 0.0  |
| Ross-on-Wye             | imb      | odg      | o/r      | o/r      | 51           | 41          | 35             | 0.1       | 10     | 17.30                | 4.20.00              | 1.3  |
| Ben-on                  | bxf      | o        | o        | o/r      | 49           | 30          | 30             | 0.1       | 4      | 09.00                | 24.00                | .    |
| S. Farnborough          | fm       | ford     | ford     | .        | 47           | 42          | 37             | Trace     | 5      | 14.30                | 2.20.00              | 1.9  |
| London (Kew Obs.)       | o/r      | o/r      | o/r      | o/r      | 47           | 46          | 41             | -         | 5      | -                    | 24.00                | 0.7  |
| Croydon                 | o/r      | o/r      | o/r      | o/r      | 46           | 46          | 42             | Trace     | 4      | 17.30                | 4.20.00              | 1.4  |
| Clacton-on-Sea          | fbm      | bc       | bc       | o/r      | 44           | 43          | 40             | 0.4       | 2      | -                    | 0.530                | 3.1  |
| Shosbury                | fm       | bc       | bc       | o/r      | 51           | 44          | 42             | 0.2       | 2      | -                    | 0.230                | 3.2  |
| Grain                   | F        | bc       | bc       | o/r      | 46           | 43          | 37             | -         | 2      | -                    | 0.130                | 4.5  |
| Lympne                  | F        | bc       | bc       | o/r      | 44           | 43          | 41             | 0.2       | 3      | -                    | 4.20.00              | 4.3  |
| Scilly (St. Mary's)     | ford     | oo       | p        | p        | 54           | 49          | .              | 2         | 2      | 4.00.00              | 4.20.00              | 0.1  |
| Falmouth (Pendennis)    | omd      | omd      | omr      | o/r      | 54           | 48          | .              | 1         | 3      | 09.00                | 2.20.00              | 0.0  |
| Plymouth                | ford     | ford     | ford     | .        | 54           | 49          | 45             | 2         | 5      | 4.00.00              | -                    | 0.0  |
| Portland Bill           | oo       | ford     | ford     | oo       | 52           | 45          | .              | 0.3       | 4      | 16.30                | 0.230                | .    |
| Calshot                 | F        | oo       | ford     | ford     | 49           | 45          | 43             | 0.1       | 8      | 17.30                | 4.20.00              | 2.1  |
| Dungeness               | o/r      | c        | o/r      | o/r      | 48           | 44          | .              | -         | 4      | -                    | 4.20.00              | .    |
| Jersey                  | o/r      | oo       | oo       | oo       | 51           | 48          | .              | -         | 2      | -                    | 2.20.00              | 3.3  |



Observations from Cross Channel Steamers.

| Position. | Date and Time. | Steamship. | Wind. |        | Weather. | Temp. |      |
|-----------|----------------|------------|-------|--------|----------|-------|------|
|           |                |            | Dir.  | Force. |          | Air.  | Sea. |
| 2         | 26-1000        | Anglia     | S     | 7      | omp      | 53    | 55   |
| 3         | 27-0300        | Briglan    | SSW   | 7      | PR       | 49    | 51   |

## GENERAL INFERENCE.

It appears probable that further depressions from the Atlantic will maintain the mild, unsettled weather for the next few days.

## Districts.

Forecasts for the 24 hours commencing 15h G.M.T. Tuesday, 27th December 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
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

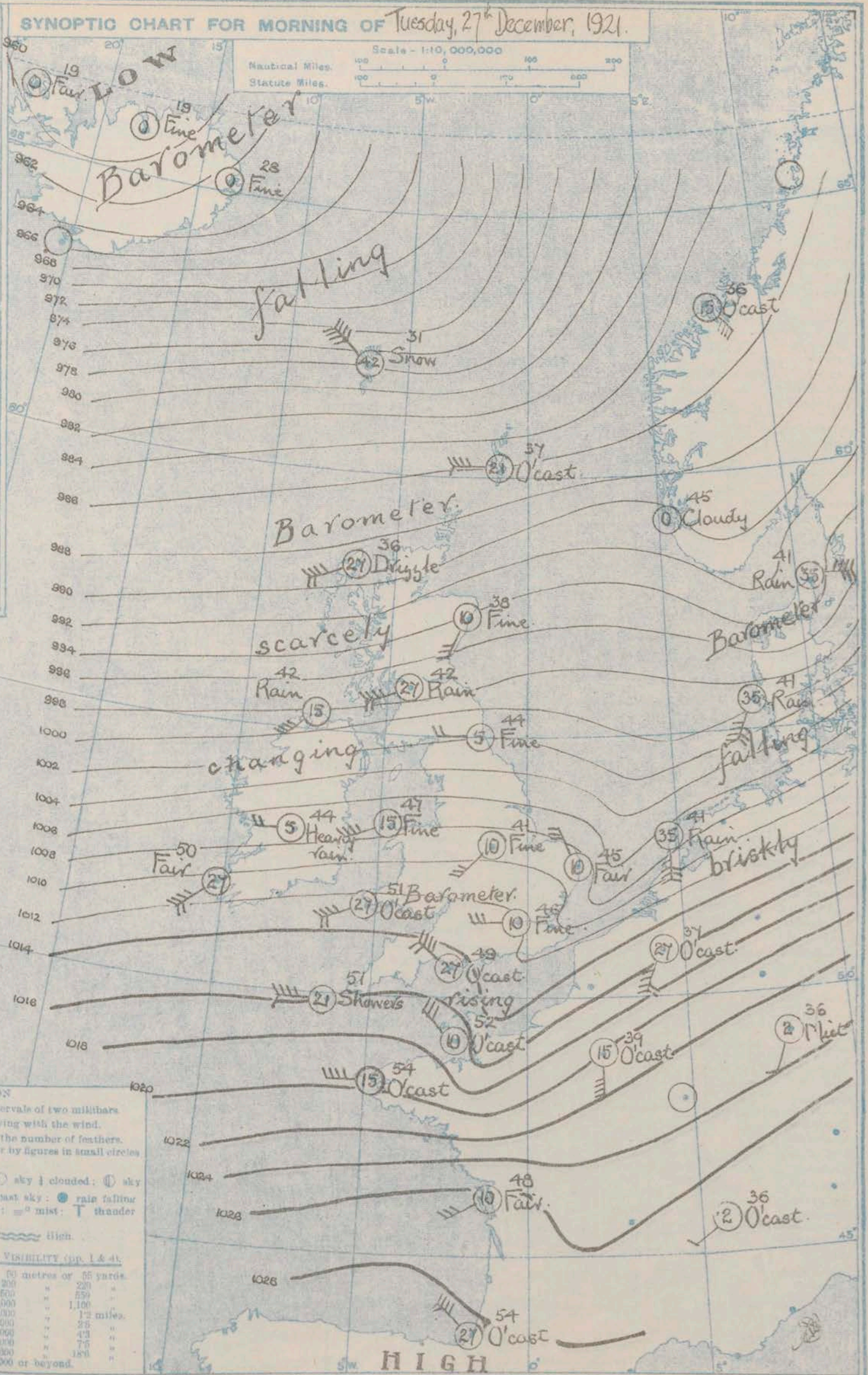
Wind between West and South-West, fresh or strong generally, a gale in places; mainly cloudy or overcast, some rain; visibility fair; temperature remaining high for time of year.

Continuing mild and unsettled.



# SYNOPTIC CHART FOR MORNING OF Tuesday, 27<sup>th</sup> December, 1921.

Scale - 1:10,000,000  
Nautical Miles. 0 100 200  
Statute Miles. 0 100 200



## EXPLANATION

Isobars are drawn for intervals of two millibars. Direction is shown by arrows flying with the wind. 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 & clouded; ○ sky & rain; ○ sky & snow; ○ sky & sleet; ○ overcast sky; ○ rain falling; ○ snow falling; ○ sleet falling; ○ fog; ○ mist; T thunder.

**OBSCURANCE:** Rough, High.

**NEBULOSITY CODE FOR SURFACE VISIBILITY (pp. 1 & 4).**

| Objects not visible at | 00 metres or 65 yards | 200 | 500 | 1,000 | 2,000 | 4,000 | 7,000 | 12,000 | 20,000 | 30,000 or beyond |
|------------------------|-----------------------|-----|-----|-------|-------|-------|-------|--------|--------|------------------|
| Very poor              | 00                    | 01  | 02  | 03    | 04    | 05    | 06    | 07     | 08     | 09               |
| Very bad               | 10                    | 11  | 12  | 13    | 14    | 15    | 16    | 17     | 18     | 19               |
| Very poor              | 20                    | 21  | 22  | 23    | 24    | 25    | 26    | 27     | 28     | 29               |
| Very bad               | 30                    | 31  | 32  | 33    | 34    | 35    | 36    | 37     | 38     | 39               |
| Very poor              | 40                    | 41  | 42  | 43    | 44    | 45    | 46    | 47     | 48     | 49               |
| Very bad               | 50                    | 51  | 52  | 53    | 54    | 55    | 56    | 57     | 58     | 59               |
| Very poor              | 60                    | 61  | 62  | 63    | 64    | 65    | 66    | 67     | 68     | 69               |
| Very bad               | 70                    | 71  | 72  | 73    | 74    | 75    | 76    | 77     | 78     | 79               |
| Very poor              | 80                    | 81  | 82  | 83    | 84    | 85    | 86    | 87     | 88     | 89               |
| Very bad               | 90                    | 91  | 92  | 93    | 94    | 95    | 96    | 97     | 98     | 99               |



## AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4.

BRITISH SECTION. Tuesday 27<sup>th</sup> December 1921.

No. 261

| Page 4.                 |                  | BRITISH SECTION.   |        |        |          |           |            |                      |                          |        |      |        | Observations at 0700 G.M.T. 27 |                    |        |       |          |           |            |                      |                          |        |       |      |       |      |      |       |       |       |       |       |       |       |       |        |
|-------------------------|------------------|--------------------|--------|--------|----------|-----------|------------|----------------------|--------------------------|--------|------|--------|--------------------------------|--------------------|--------|-------|----------|-----------|------------|----------------------|--------------------------|--------|-------|------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| STATIONS.               | Barom. at M.S.L. | Change in 3 Hours. | Wind.  |        | Weather. | Temp. °F. | Humidity % | Visibility in Miles. | Height of Cloud in Feet. | Cloud. |      |        | Barom. at M.S.L.               | Change in 3 Hours. | Wind.  |       | Weather. | Temp. °F. | Humidity % | Visibility in Miles. | Height of Cloud in Feet. | Cloud. |       |      |       |      |      |       |       |       |       |       |       |       |       |        |
|                         |                  |                    | Direc. | Force. |          |           |            |                      |                          | Form.  | Amt. | Direc. |                                |                    | Force. | Form. |          |           |            |                      |                          | Amt.   | Form. | Amt. | Form. | Amt. |      |       |       |       |       |       |       |       |       |        |
|                         |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                |                    |        |       |          |           |            |                      |                          |        |       |      |       |      | 0-10 | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 | 80-90 | 90-100 |
|                         |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                |                    |        |       |          |           |            |                      |                          |        |       |      |       |      |      |       |       |       |       |       |       |       |       |        |
| Lerwick                 | 99.4             | -2                 | WSW    | 5      | dr       | 42        | 85         | 6                    | 2500                     | Nb     | 10   | -      | 10                             | 98.6               | 0      | W     | 5        | dr        | 37         | 97                   | 6                        | 4000   | Nb    | 10   | -     | 10   | 10   | 10    |       |       |       |       |       |       |       |        |
| Stornoway               | 99.5             | -2                 | SW     | 5      | dr       | 42        | 85         | 5                    | 300                      | St     | 1    | -      | 1                              | 98.8               | 0      | WSW   | 6        | dr        | 36         | 92                   | 5                        | 450    | St    | 10   | -     | 10   | 10   | 10    |       |       |       |       |       |       |       |        |
| Wick                    | 99.9             | -1                 | SW     | 2      | dr       | 37        | 97         | 3                    | 300                      | St     | 1    | -      | 1                              | 98.9               | -1     | SW    | 4        | b/r       | 37         | 97                   | 9                        | 1500   | St    | 3    | -     | 10   | 10   | 10    |       |       |       |       |       |       |       |        |
| Castlebay               |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                | 99.0               | 0      | W     | 5        | dr        | 42         | 85                   | 7                        | 1500   | St    | 2    | -     | 10   | 10   | 10    |       |       |       |       |       |       |       |        |
| Nairn                   |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                | 99.1               | 0      | WNW   | 2        | b/r       | 36         | 92                   | 8                        | 1500   | St    | 5    | -     | 10   | 10   | 10    |       |       |       |       |       |       |       |        |
| Aberdeen                |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                | 99.7               | 0      | SW'S  | 3        | b/r       | 38         | 85                   | 6                        | 4000   | St    | 2    | -     | 10   | 10   | 10    |       |       |       |       |       |       |       |        |
| Malin Head              | 99.6             | 0                  | SW     | 4      | dr       | 45        | 97         | 8                    | 4000                     | C.Nb   | 4    | -      | 4                              | 99.2               | 0      | SW    | 4        | dr        | 42         | 97                   | 7                        | 4000   | Nb    | 10   | -     | 10   | 10   | 10    |       |       |       |       |       |       |       |        |
| Benbulbin               |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                | 99.1               | -2     | WSW   | 6        | dr        | 42         | 85                   | 6                        | 1500   | St    | 7    | -     | 10   | 10   | 10    |       |       |       |       |       |       |       |        |
| Inchkeith               | 99.6             | 0                  | WSW    | 5      | dr       | 45        | 85         | 9                    | -                        | St     | 5    | -      | 5                              | 99.1               | -5     | WSW   | 6        | b/r       | 41         | 75                   | 9                        | -      | St    | 1    | -     | 10   | 10   | 10    |       |       |       |       |       |       |       |        |
| Edinburgh               |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                | 100.4              | +2     | SSW   | 4        | b/r       | 39         | 85                   | 7                        | 2500   | St    | 9    | -     | 10   | 10   | 10    |       |       |       |       |       |       |       |        |
| Tynemouth               | 99.3             | -1                 | WSW    | 5      | dr       | 47        | 92         | 7                    | 4000                     | Nb     | 10   | -      | 10                             | 100.0              | 0      | W     | 2        | b/r       | 44         | 75                   | 7                        | -      | -     | 0    | -     | 10   | 10   | 10    |       |       |       |       |       |       |       |        |
| Blackhead Point         |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                | 100.5              | 0      | SW    | 3        | b         | 41         | 85                   | 8                        | -      | -     | 0    | AG    | 2    | 3    | 3     |       |       |       |       |       |       |       |        |
| Donaghadee              |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                | 100.7              | 0      | W     | 2        | dr        | 44         | 92                   | 5                        | 1500   | Nb    | 8    | -     | 2    | 3    | 3     |       |       |       |       |       |       |       |        |
| Ferris Castle           |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                | 100.1              | -1     | SW'S  | 3        | b         | 43         | 85                   | 8                        | 1500   | St    | 2    | -     | 2    | 3    | 3     |       |       |       |       |       |       |       |        |
| Baldonhall              | 100.3            | +3                 | SW'S   | 4      | b        | 43        | 85         | 8                    | -                        | 0      | -    | 0      | 0                              | 100.7              | 0      | WSW   | 4        | b         | 47         | 85                   | 8                        | 2500   | St    | 1    | AS    | 4    | 5    | 5     |       |       |       |       |       |       |       |        |
| Holyhead                | 100.1            | +7                 | W      | 5      | dr       | 47        | 85         | 7                    | 1500                     | St     | 7    | -      | 7                              | 100.7              | +2     | SW'W  | 3        | b/r       | 43         | 75                   | 7                        | 2500   | St    | 4    | -     | 5    | 5    | 5     |       |       |       |       |       |       |       |        |
| Liverpool (Bidston)     |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                | 100.6              | 0      | W     | 2        | dr        | 45         | 75                   | 8                        | 2500   | St    | 5    | -     | 5    | 5    | 5     |       |       |       |       |       |       |       |        |
| Chester (Sholyok)       |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                |                    |        |       |          |           |            |                      |                          |        |       |      |       |      |      |       |       |       |       |       |       |       |       |        |
| Howden                  |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                | 100.2              | +5     | WSW   | 5        | b         | 42         | 92                   | 6                        | 1500   | St    | 1    | -     | 1    | 1    | 1     |       |       |       |       |       |       |       |        |
| Spurn Head              | 100.5            | -4                 | SSW    | 7      | dr       | 45        | 92         | 7                    | 450                      | St     | 10   | -      | 10                             | 100.2              | 0      | SW    | 3        | b/r       | 41         | 92                   | 6                        | 2500   | Nb    | 1    | -     | 1    | 1    | 1     |       |       |       |       |       |       |       |        |
| Nottingham              |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                | 100.6              | +3     | WSW   | 4        | b         | 42         | 92                   | 8                        | 5750   | St    | 1    | -     | 4    | 5    | 5     |       |       |       |       |       |       |       |        |
| Cranwall                | 100.4            | -8                 | SSW    | 7      | dr       | 51        | 92         | 7                    | 800                      | Nb     | 10   | -      | 10                             | 100.8              | 0      | WNW   | 3        | dr        | 45         | 97                   | 8                        | 4000   | Nb    | 4    | -     | 4    | 5    | 5     |       |       |       |       |       |       |       |        |
| Gorleston               | 101.6            | -3                 | SW     | 6      | dr       | 47        | 92         | 8                    | 4000                     | Nb     | 10   | -      | 10                             | 100.3              | +2     | W     | 3        | b/r       | 43         | 92                   | 7                        | 4000   | St    | 3    | -     | 4    | 5    | 5     |       |       |       |       |       |       |       |        |
| Palham                  |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                | 101.1              | -1     | WNW   | 3        | b/r       | 44         | 97                   | 8                        | 4000   | St    | 3    | -     | 4    | 5    | 5     |       |       |       |       |       |       |       |        |
| Felixstowe              |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                | 101.6              | 0      | SW'W  | 6        | b/r       | 50         | 75                   | 8                        | 1500   | St    | 6    | -     | 2    | 3    | 3     |       |       |       |       |       |       |       |        |
| Valencia (Cahirciveen)  | 101.0            | 0                  | WSW    | 4      | dr       | 49        | 85         | 4                    | -                        | C.Nb   | 7    | -      | 7                              | 101.9              | +1     | WNW   | 1        | b         | 45         | 92                   | 8                        | 2500   | St    | 2    | -     | 10   | 10   | 10    |       |       |       |       |       |       |       |        |
| Roche Point             |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                | 101.9              | 0      | WSW   | 6        | dr        | 51         | 75                   | 9                        | 1500   | Nb    | 10   | -     | 4    | 5    | 5     |       |       |       |       |       |       |       |        |
| Pembroke (St. Ann's H.) | 101.0            | +3                 | WSW    | 5      | dr       | 48        | 92         | 8                    | 1500                     | Nb     | 10   | -      | 10                             | 101.6              | +3     | SW    | 3        | b/r       | 42         | 85                   | 9                        | -      | -     | 0    | -     | 4    | 5    | 5     |       |       |       |       |       |       |       |        |
| Ross-on-Wye             |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                | 101.5              | +6     | W     | 1        | b/r       | 41         | 85                   | 9                        | -      | -     | 0    | -     | 4    | 5    | 5     |       |       |       |       |       |       |       |        |
| Benson                  |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                | 101.8              | +5     | W'S   | 1        | b/r       | 43         | 97                   | 8                        | 5750   | Cu    | 1    | AS    | 4    | 5    | 5     |       |       |       |       |       |       |       |        |
| S. Farnborough          |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                | 101.7              | +6     | W     | 2        | b/r       | 46         | 85                   | 7                        | -      | -     | 0    | -     | 4    | 5    | 5     |       |       |       |       |       |       |       |        |
| London (New Obay)       |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                | 101.3              | +4     | W     | 3        | b/r       | 47         | 92                   | 8                        | 2500   | St    | 5    | -     | 4    | 5    | 5     |       |       |       |       |       |       |       |        |
| Croydon                 | 101.0            | -6                 | SSW    | 7      | dr       | 50        | 92         | 8                    | 1500                     | St     | 8    | AS     | 10                             | 101.0              | -3     | UNW   | 3        | b/r       | 45         | 92                   | 8                        | 2500   | Nb    | 5    | -     | 3    | 3    | 3     |       |       |       |       |       |       |       |        |
| Clacton-on-Sea          |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                | 101.0              | +1     | W     | 2        | b/r       | 47         | 85                   | 8                        | -      | -     | 0    | -     | 4    | 5    | 5     |       |       |       |       |       |       |       |        |
| Shoeburyness            |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                | 101.5              | 0      | WNW   | 4        | b/r       | 49         | 85                   | 6                        | -      | -     | 0    | -     | 4    | 5    | 5     |       |       |       |       |       |       |       |        |
| Grain                   |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                | 101.9              | -1     | WSW   | 4        | dr        | 49         | 97                   | 8                        | 450    | St    | 9    | -     | 2    | 3    | 3     |       |       |       |       |       |       |       |        |
| Lymington               | 101.3            | -7                 | SW     | 6      | dr       | 47        | 97         | 7                    | 450                      | St     | 10   | -      | 10                             | 101.8              | 0      | WNW   | 5        | b/r       | 51         | 97                   | 8                        | 4000   | C.Nb  | 2    | -     | 8    | 10   | 10    |       |       |       |       |       |       |       |        |
| Seilly (St. Mary's)     | 101.8            | -1                 | W      | 5      | dr       | 53        | 97         | 8                    | 1500                     | St     | 10   | -      | 10                             | 101.5              | +4     | W     | 3        | dr        | 48         | 85                   | 6                        | 1500   | Nb    | 10   | -     | 10   | 10   | 10    |       |       |       |       |       |       |       |        |
| Falmouth (Pendennis)    | 101.2            | -4                 | WSW    | 8      | dr       | 49        | 97         | 5                    | 1500                     | Nb     | 10   | -      | 10                             | 101.3              | +2     | WSW   | 3        | dr        | 49         | 92                   | 8                        | 2500   | St    | 0    | AS    | 10   | 10   | 10    |       |       |       |       |       |       |       |        |
| Plymouth                |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                | 101.4              | +1     | WNW   | 6        | dr        | 49         | 85                   | 8                        | -      | -     | 0    | -     | 10   | 10   | 10    |       |       |       |       |       |       |       |        |
| Portland Bill           | 101.0            | -4                 | SW     | 7      | dr       | 48        | 85         | 6                    | 450                      | St     | 10   | -      | 10                             | 101.9              | -1     | W     | 3        | dr        | 45         | 85                   | 7                        | 2500   | St    | 1    | -     | 10   | 10   | 10    |       |       |       |       |       |       |       |        |
| Calshot                 | 101.4            | -6                 | SW'S   | 5      | dr       | 51        | 92         | 7                    | 800                      | Nb     | 10   | -      | 10                             | 101.7              | -8     | SW    | 9        | dr        | 50         | 97                   | 7                        | 4000   | Nb    | 10   | -     | 10   | 10   | 10    |       |       |       |       |       |       |       |        |
| Dungeness               | 101.5            | -4                 | SW     | 7      | dr       | 48        | 97         | 6                    | 800                      | St     | 10   | -      | 10                             | 101.1              | 0      | NW    | 3        | dr        | 52         | 85                   | 8                        | 4000   | St    | 10   | -     | 10   | 10   | 10    |       |       |       |       |       |       |       |        |
| Jersey Th.              | 101.2            | -4                 | SW     | 6      | dr       | 50        | 97         | 8                    | 4000                     | St     | 10   | -      | 10                             |                    |        |       |          |           |            |                      |                          |        |       |      |       |      |      |       |       |       |       |       |       |       |       |        |
| Guernsey Th.            |                  |                    |        |        |          |           |            |                      |                          |        |      |        |                                |                    |        |       |          |           |            |                      |                          |        |       |      |       |      |      |       |       |       |       |       |       |       |       |        |

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 26<sup>th</sup> Dec.

|                    |     | WEATHER.   |             | TEMPERATURE. |                | RAINFALL. |         | SUNSHINE. |            |                     |            | WEATHER.    |              | TEMPERATURE.   |         | RAINFALL. |         | SUNSHINE.  |  |
|--------------------|-----|------------|-------------|--------------|----------------|-----------|---------|-----------|------------|---------------------|------------|-------------|--------------|----------------|---------|-----------|---------|------------|--|
| STATIONS.          |     | Fore-noon. | After-noon. | Max. Day of. | Min. Night of. | Night     | Day     | Sunrise   | Sunset     | STATIONS.           | Fore-noon. | After-noon. | Max. Day of. | Min. Night of. | Night   | Day       | Sunrise | Sunset     |  |
|                    |     |            |             |              |                | 11h-9h.   | 9h-12h. | to 6h.    | to Sunset. |                     |            |             |              |                | 11h-9h. | 9h-12h.   | to 6h.  | to Sunset. |  |
|                    |     |            |             |              |                | mm.       | mm.     | hr.       | hr.        |                     |            |             |              |                | mm.     | mm.       | hr.     | hr.        |  |
|                    |     |            |             |              |                |           |         |           |            | Paignton ...        | cod        | odog        | 54           | 31             | -       | 0.1       | 0.5     |            |  |
| Banff ...          | ... | oo         | bccr        | 53           | 36             | -         | 0.6     | 1.1       |            | Hilfracombe ...     | o          | od          | 54           | 35             | -       | 0.4       | 0.0     |            |  |
| Montrose ...       | ... | f          | o           | 53           | 34             | -         | 0.4     | 0.0       |            | Bude ...            | o          | od          | 55           | 34             | 2       | 0.5       | 0.0     |            |  |
|                    |     |            |             |              |                |           |         |           |            | Pennance ...        | od         | odco        | 55           | 35             | -       | 0.4       | 0.3     |            |  |
| Llandudno ...      | ... | c          | o           | ?            | 36             | -         | -       | 2.1       |            | Torquay ...         | <bcd       | o           | 53           | 35             | -       | 0.5       | 1.3     |            |  |
| Golwyn Bay ...     | ... | c'bcc      | b'pbc       | 55           | 41             | -         | -       | 1.6       |            | Weymouth ...        | bc         | od          | 53           | 31             | -       | -         | 1.5     |            |  |
| Rhyl ...           | ... | bco        | o           | 56           | 35             | -         | -       | 1.4       |            | Bournemouth ...     | bcco       | o           | 49           | 28             | -       | -         | 2.7     |            |  |
| Southport ...      | ... | bcc        | oc          | 54           | 38             | -         | -       | 0.3       |            | Portsmouth (S'head) | bc         | bc          | 51           | 31             | -       | -         | 3.5     |            |  |
| Blackpool ...      | ... | oc         | or          | 52           | 35             | 0.2       | 0.5     | 0.2       |            | Worthing ...        | bc         | bc          | 48           | 30             | -       | -         | 3.1     |            |  |
| Harrogate ...      | ... | bcc        | c           | 50           | 33             | 0.1       | -       | 0.5       |            | Brighton ...        | bc         | bcco        | 49           | 32             | -       | -         | 3.3     |            |  |
| Skegness ...       | ... | om o       | bco         | 44           | 34             | 0.2       | -       | 0.7       |            | Eastbourne ...      | fobcc      | b'icac      | 49           | 30             | 0.2     | -         | 2.9     |            |  |
| Aberystwyth ...    | ... | oae        | Too         | 54           | 36             | -         | 1       | 0.3       |            | Hastings ...        | x'fbc      | bcco        | 48           | 34             | 0.4     | -         | 3.2     |            |  |
| Bath ...           | ... | b'bcc      | op          | 51           | 26             | -         | 0.3     | 0.1       |            | Folkestone ...      |            |             |              |                |         | -         | 4.6     |            |  |
| Leamington Spa ... | ... | afm b      | bco         | 44           | 30             | -         | -       | 1.5       |            | Tunbridge Wells ... | f'bbcb     | bcco        | 47           | 27             | -       | -         | 1.8     |            |  |
| Lowestoft ...      | ... | of         | bc          | 44           | 30             | 1         | -       | 3.1       |            | Ramsgate ...        | bc         | bc          | 44           | 30             | 0.2     | -         | 2.7     |            |  |
| Felixstowe ...     | ... | of         | bc          | 44           | 30             | 1         | -       | 3.1       |            | Margate ...         | ob         | bc          | 46           | 30             | 0.3     | -         | 2.7     |            |  |
| Southend ...       | ... | e'bc       | bco         | 48           | 31             | 0.3       | -       | 3.2       |            | Deal ...            | b'bc       | co          | 46           | 30             | 0.2     | 2         | 2.7     |            |  |
|                    |     |            |             |              |                |           |         |           |            | Falmouth            |            |             | 54           | 37             |         |           |         |            |  |

See footnote page 1

\* Information for these columns not usually received.

† Trace = rain has fallen, but amount less than 0.1 mm.

‡ For code see page 3.

§ See footnote page 1.



# AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B.21951

WEDNESDAY 28<sup>th</sup> DECEMBER 1921.

Page 1.

BRITISH SECTION.

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### LONDON OBSERVATIONS

| WEATHER                                     | TEMPERATURE                                 | RAIN                                        | HUMIDITY                                    | ATMOSPHERIC POLLUTION                       | SOLAR RADIATION                             | POLY STAR RECORD                            |
|---------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|
| 24 HOURS ENDED 0900 G.M.T. 28 <sup>th</sup> | 24 HOURS ENDED 0900 G.M.T. 28 <sup>th</sup> | 24 HOURS ENDED 0900 G.M.T. 28 <sup>th</sup> | 24 HOURS ENDED 0900 G.M.T. 28 <sup>th</sup> | 24 HOURS ENDED 0900 G.M.T. 28 <sup>th</sup> | 24 HOURS ENDED 0900 G.M.T. 28 <sup>th</sup> | 24 HOURS ENDED 0900 G.M.T. 28 <sup>th</sup> |
| Max. 57                                     | Min. 45                                     | 0.0                                         | 78                                          | 1.7                                         | 1.7                                         | 1.7                                         |
| Max. 58                                     | Min. 45                                     | 0.0                                         | 81                                          | 2.0                                         | 2.0                                         | 2.0                                         |
| Max. 57                                     | Min. 44                                     | 0.0                                         | 81                                          | 2.0                                         | 2.0                                         | 2.0                                         |
| Max. 58                                     | Min. 44                                     | 0.0                                         | 81                                          | 2.0                                         | 2.0                                         | 2.0                                         |

### RADIO DISTURBANCES

| Time | Type | No. per hour | Stations |
|------|------|--------------|----------|
| 150  | CC   | 6            | 155      |
| 180  | CC   | 7            | 20       |
| 210  | CC   | 6            | 70       |
| 240  | CC   | 6            | 75       |

### TABLE SHOWING THE GREENWICH TIMES OF RISING, NOON, AND SETTING FOR STATIONS IN THE UNITED KINGDOM.

| STATIONS  | GMT. | GMT.  | GMT. |
|-----------|------|-------|------|
| Yarmouth  | 8.6  | 11.55 | 3.44 |
| Greenwich | 8.6  | 11.55 | 3.44 |
| Wick      | 9.5  | 12.44 | 3.21 |
| Valencia  | 8.51 | 12.43 | 4.39 |

### BEAUFORT NOTATION OF WEATHER.

|                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| b blue sky (not more than a quarter covered).                                                                                                                                                                                                                                   | With present weather is combined, whatever possible, the general character of the weather.                                                                                                       |
| bc sky partly cloudy (one half covered).                                                                                                                                                                                                                                        | A "clouds" 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". |
| c generally cloudy (three-quarters covered).                                                                                                                                                                                                                                    | Capital letters indicate intensity, suffix a indicates slight and repetition of letters continues, thus: -                                                                                       |
| d drizzle, or fine rain. (fog, or hail, E.Q. line squall, lightning, or mist, or overcast sky, or passing showers, or rain, or dust, or rain and snow together, or snow, or thunder, or unusual visibility, or dry air, or dust haze, or the torrid atmosphere of dry weather). | h = heavy rain.<br>rr = continuous moderate rain.<br>ls = continuous light rain.                                                                                                                 |

### SEA DISTURBANCES.

| Disturbance | Scale | Remarks |
|-------------|-------|---------|
| 0           | 1-3   | 1-3     |
| 1           | 4-6   | 4-6     |
| 2           | 7-9   | 7-9     |
| 3           | 10-12 | 10-12   |
| 4           | 13-15 | 13-15   |
| 5           | 16-18 | 16-18   |
| 6           | 19-21 | 19-21   |
| 7           | 22-24 | 22-24   |
| 8           | 25-27 | 25-27   |
| 9           | 28-30 | 28-30   |
| 10          | 31-33 | 31-33   |
| 11          | 34-36 | 34-36   |
| 12          | 37-39 | 37-39   |

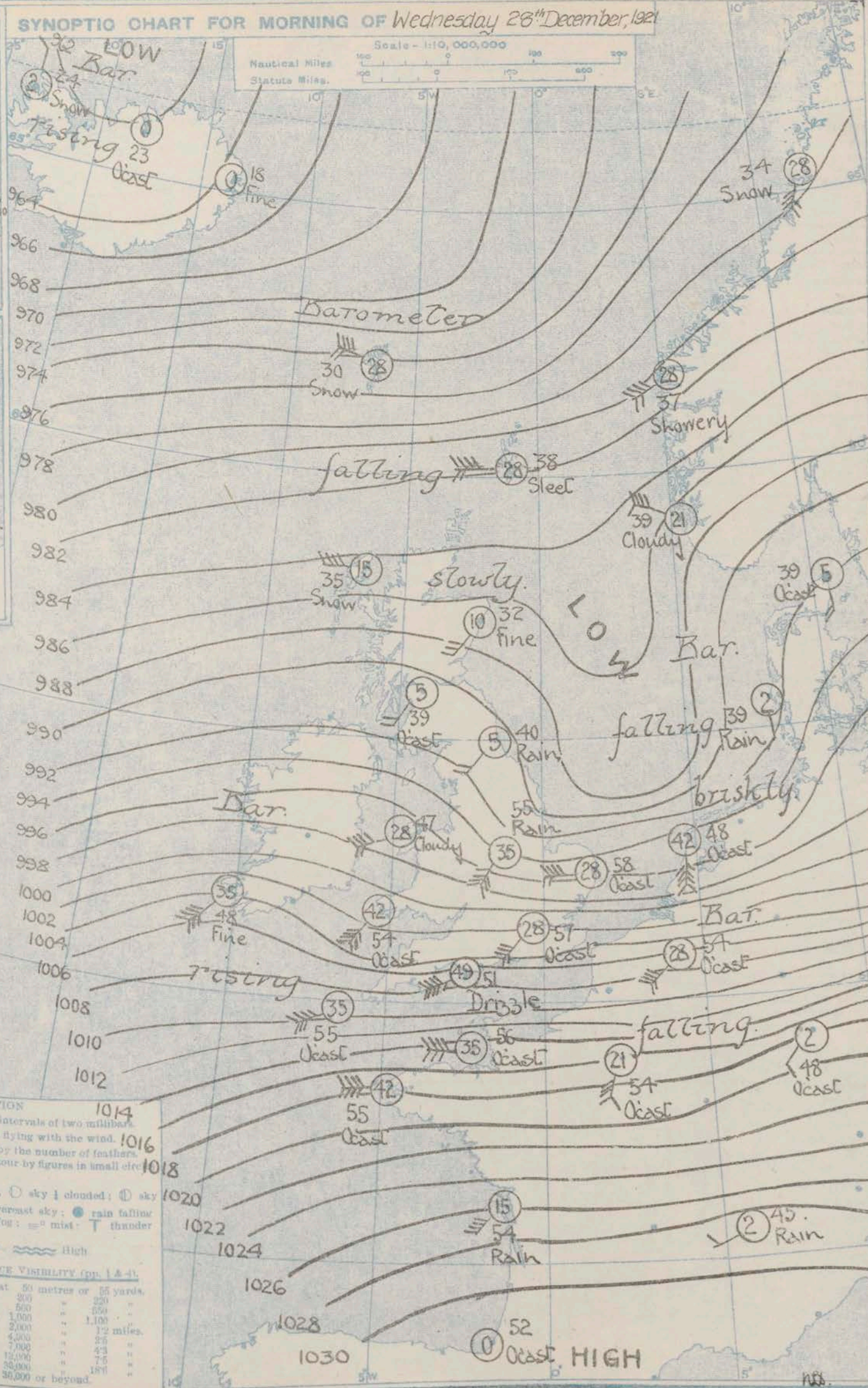


| SUMMARIES FOR THE PAST 24 HOURS |                  |                  |                  |                  |              |             |                |           |         |                      |                      |        |  |
|---------------------------------|------------------|------------------|------------------|------------------|--------------|-------------|----------------|-----------|---------|----------------------|----------------------|--------|--|
| STATIONS.                       | WEATHER.         |                  |                  |                  | TEMPERATURE. |             |                | RAINFALL. |         |                      |                      | SUN.   |  |
|                                 | 7h-18h.          | 18h-7h.          | 18h-7h.          | 18h-7h.          | MAX. Day.    | MIN. Night. | MIN. on GRASS. | Day.      | Night.  | Precipitation began. | Precipitation began. | Hours. |  |
|                                 | 27 <sup>th</sup> | 27 <sup>th</sup> | 27 <sup>th</sup> | 27 <sup>th</sup> | 7h-18h.      | 18h-7h.     | 18h-7h.        | 7h-18h.   | 18h-7h. | mm.                  | mm.                  |        |  |
| Lerwick                         | b                | s                | bortc            | p                | 39           | 33          | .              | 6         | 2       | <0500                | 1.30                 | .      |  |
| Stornoway                       | p                | p                | horth            | p                | 38           | 33          | .              | 3         | 4       | .                    | .                    | 0.0    |  |
| Wick                            | cis              | psgh             | bortc            | bortc            | 37           | 30          | .              | 1         | 0.2     | <0500                | 0.100                | .      |  |
| Castlebay                       | chpc             | chvbc            | optbcp           | .                | 42           | 39          | .              | 0.5       | 2       | .                    | .                    | 0.5    |  |
| Nairn                           | s                | .                | scrrs            | .                | 35           | 32          | .              | 5         | 1       | 9.0                  | .                    | 0.3    |  |
| Aberdeen                        | bhc              | bcp              | bortc            | .                | 42           | 33          | 25             | .         | .       | .                    | .                    | 3.7    |  |
| Malin Head                      | cqph             | opg              | b                | RR               | 48           | 40          | .              | 4         | 10      | <0800                | 2.100                | 0.3    |  |
| Beafore                         | qgr              | oimrr            | oimrr            | .                | 44           | 39          | 37             | 7         | 7       | <0800                | 2.100                | 0.0    |  |
| Inchkeith                       | p                | p                | o                | p                | 43           | 40          | 37             | 1         | 1       | 14.30                | 5.30                 | .      |  |
| Exdalemuir                      | oodo             | o                | o                | o                | 42           | 36          | 34             | 0.5       | 7       | 9.0                  | 2.100                | 0.0    |  |
| Tynemouth                       | bhm              | im               | bhm              | im               | 48           | 40          | .              | trace     | 4       | 15.30                | 2.30                 | .      |  |
| Blacksd Point                   | horth            | p                | .                | .                | .            | .           | .              | 0.2       | .       | 16.30                | .                    | .      |  |
| Donaghadee                      | bcp              | bcp              | trc              | ir               | 47           | 41          | .              | trace     | 2       | 12.30                | 2.100                | .      |  |
| Birr Castle                     | cir              | c.orr            | ir               | ir               | 48           | 43          | 39             | 1         | 26      | <0800                | 2.100                | 0.0    |  |
| Baldonnell                      | cogn             | orr              | orr              | orr              | 48           | 42          | 39             | 0.5       | 23      | <0800                | 2.100                | 1.4    |  |
| Holyhead                        | boo              | oo               | rand             | rrc              | 50           | 46          | 44             | .         | 16      | .                    | 2.100                | 0.0    |  |
| Liverpool (Bidston)             | bhc              | c                | rand             | .                | 57           | 43          | 37             | .         | 21      | .                    | 2.100                | 2.7    |  |
| Chester (Shotwick)              | bhc              | c                | rand             | .                | 51           | 46          | .              | trace     | 12      | 15.30                | 2.100                | .      |  |
| Howden                          | .                | .                | .                | .                | .            | .           | .              | .         | .       | .                    | .                    | .      |  |
| Spurn Head                      | bhc              | bhc              | p                | rand             | 47           | 44          | .              | .         | 8       | .                    | 2.100                | 2.6    |  |
| Nottingham                      | bhc              | bhc              | ir               | .                | 49           | 47          | 43             | .         | 6       | .                    | 2.100                | 3.2    |  |
| Cranwell                        | bhc              | c                | ir               | rand             | 48           | 45          | 42             | .         | 4       | .                    | 2.100                | 4.7    |  |
| Gorleston                       | bhc              | bhc              | rand             | qgr              | 49           | 47          | 44             | .         | 0.4     | .                    | 2.100                | 3.4    |  |
| Palham                          | c                | c                | o                | .                | 50           | 44          | 42             | .         | .       | .                    | .                    | 2.7    |  |
| Felixstowe                      | c                | bhc              | c                | .                | 48           | 45          | 43             | .         | .       | .                    | .                    | 1.1    |  |
| Valencia (Cahiroiveen)          | op               | o.rr             | o                | opc              | 52           | 47          | 44             | 6         | 3       | <0800                | 2.100                | 0.0    |  |
| Roche Point                     | opro             | p                | rr               | bomp             | 52           | 47          | .              | 1         | 2       | 9.0                  | 2.100                | .      |  |
| Pembroke (St. Ann's H.)         | q.rr             | q.rr             | q.rr             | q.rr             | 52           | 52          | .              | 1         | 1       | 15.30                | 2.100                | 0.9    |  |
| Ross-on-Wye                     | q.rr             | q.rr             | q.rr             | q.rr             | 51           | 49          | 45             | 0.1       | 0.4     | 14.30                | 2.100                | 2.9    |  |
| Benson                          | q.rr             | q.rr             | q.rr             | q.rr             | 51           | 46          | 41             | 0.1       | 0.1     | .                    | .                    | .      |  |
| S. Farnborough                  | oo               | bhc              | rand             | .                | 51           | 48          | 44             | .         | trace   | .                    | trace                | 4.16   |  |
| London (New Obsy.)              | boc              | c.b.c            | q.rr             | q.rr             | 51           | 49          | 46             | .         | trace   | .                    | trace                | 2.8    |  |
| Croydon                         | bhm              | cim              | bhm              | q.rr             | 51           | 48          | 45             | .         | trace   | .                    | 2.100                | 4.6    |  |
| Clacton-on-Sea                  | bhc              | bhc              | rand             | q.rr             | 48           | 44          | 41             | .         | .       | .                    | .                    | 0.2    |  |
| Shoeburyness                    | p                | bhc              | o                | .                | 45           | 43          | 41             | 1         | .       | 11.00                | .                    | 2.4    |  |
| Grain                           | c                | c                | o                | .                | 51           | 44          | 42             | .         | .       | .                    | .                    | 2.3    |  |
| Lympe                           | c                | c                | o                | .                | 50           | 46          | 42             | .         | 3       | .                    | 5.30                 | 3.8    |  |
| Scilly (St. Mary's)             | bhc              | rand             | imqd             | o                | 54           | 53          | .              | 1         | 1       | 14.30                | .                    | 1.7    |  |
| Falmouth (Pendennis)            | cmbc             | cmbc             | rand             | rand             | 54           | 52          | .              | trace     | 2       | 17.30                | 2.100                | 3.4    |  |
| Plymouth                        | bhc              | rand             | rand             | .                | 53           | .           | 51             | 2         | 0.4     | <0500                | .                    | 2.7    |  |
| Portland Bill                   | bhc              | c                | rand             | rand             | 53           | 45          | .              | .         | 1       | .                    | 2.100                | .      |  |
| Calshot                         | bhc              | oo               | rand             | rand             | 53           | 50          | 49             | 0.1       | 2       | 17.30                | 2.100                | 3.7    |  |
| Dungeness                       | c                | c                | rand             | rand             | 51           | 50          | .              | 1         | 2       | <0800                | 2.100                | .      |  |
| Jersey                          | q.rr             | bhc              | rand             | rand             | 54           | 53          | .              | 0.6       | 0.1     | 9.0                  | 2.100                | 2.8    |  |

It appears probable that further depressions will arrive from the Atlantic and maintain the unsettled Westerly type of weather. Temperature will remain above the normal in the Southern districts.

| Districts                 | Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 28th December 1921.                                                           | Further Outlook                                       |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| 1. S.E. England           | Wind mainly West, strong or fresh, (a gale at first in the Channel); much cloud, some showers; visibility fair; mild.                      | Continuing unsettled with winds mainly from the West. |
| 2. E. England             |                                                                                                                                            |                                                       |
| 3. E. Midlands            |                                                                                                                                            |                                                       |
| 4. W. Midlands            |                                                                                                                                            |                                                       |
| 5. S.W. England           |                                                                                                                                            |                                                       |
| 6. South Wales            |                                                                                                                                            |                                                       |
| 7. North Wales            | Wind West or North-West, fresh or strong to moderate; cloudy or dull; some showers of hail or rain; visibility fair; moderate temperature. |                                                       |
| 8. N.W. England           |                                                                                                                                            |                                                       |
| 9. N. Midlands            |                                                                                                                                            |                                                       |
| 10. N.E. England          |                                                                                                                                            |                                                       |
| 11. E. Scotland           | Wind from some Westerly point, moderate to fresh; cloudy or dull, some showers of hail, sleet, or snow. Rather low temperature.            |                                                       |
| 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 mainly between South-West and West, fresh or strong, a gale in places; much cloud, some rain or hail showers; moderate temperature.   |                                                       |
| 19. S.E. Ireland          |                                                                                                                                            |                                                       |
| 20. S.W. Ireland          |                                                                                                                                            |                                                       |







## AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4.

BRITISH SECTION. WEDNESDAY, 28<sup>th</sup> DECEMBER, 1921.

No. 362.

| STATIONS.                   | Observations at 0100 G.M.T. 28 <sup>th</sup> |                    |        |       |          |           |             |                 |                      |        |      |            |                  | Observations at 0700 G.M.T. 28 <sup>th</sup> |        |       |          |           |             |                 |                      |        |      |            |      |      |
|-----------------------------|----------------------------------------------|--------------------|--------|-------|----------|-----------|-------------|-----------------|----------------------|--------|------|------------|------------------|----------------------------------------------|--------|-------|----------|-----------|-------------|-----------------|----------------------|--------|------|------------|------|------|
|                             | Barom. at M.S.L.                             | Change in 3 hours. | Wind.  |       | Weather. | Temp. °F. | Humidity. % | Visibility. 1/4 | Height of Low Cloud. | Cloud. |      |            | Barom. at M.S.L. | Change in 3 hours.                           | Wind.  |       | Weather. | Temp. °F. | Humidity. % | Visibility. 1/4 | Height of Low Cloud. | Cloud. |      |            |      |      |
|                             |                                              |                    | Direc. | Force |          |           |             |                 |                      | Form.  | Amt. | Total Amt. |                  |                                              | Direc. | Force |          |           |             |                 |                      | Form.  | Amt. | Total Amt. |      |      |
|                             |                                              |                    |        |       |          |           |             |                 |                      |        |      |            |                  |                                              |        |       |          |           |             |                 |                      |        |      |            | 0-12 | 0-10 |
| Lerwick ...                 | 984.8                                        | 0                  | W      | 5     | b        | 57        | 85          | 7               | -                    | -      | -    | AST        | 10               | 982.6                                        | -2     | W     | 6        | qrs       | 38          | 85              | 6                    | -      | -    | AST        | 10   |      |
| Stornoway ...               | 990.4                                        | -2                 | WSW    | 4     | PH       | *         | *           | *               | *                    | *      | *    | *          | *                | 984.1                                        | -2     | W     | 4        | qrs       | 35          | 85              | 6                    | 450    | ST.  | 9          | -    | 3    |
| Wick ...                    | 988.7                                        | -2                 | SW     | 2     | b        | 32        | 97          | 9               | -                    | -      | -    | 0          | -                | 985.0                                        | -3     | SW    | 3        | b         | 32          | 97              | 8                    | 5750   | ST.  | 3          | -    |      |
| Castlebay ...               | *                                            | *                  | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *                | 987.3                                        | -1     | WNW   | 4        | bpr       | 39          | 85              | 7                    | 1500   | ST.  | 4          | -    | 10   |
| Nairn ...                   | *                                            | *                  | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *                | 986.7                                        | -1     | -     | 0        | qrs       | 35          | 97              | 8                    | 1500   | ST.  | 10         | -    | 10   |
| Aberdeen ...                | *                                            | *                  | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *                | 987.7                                        | -1     | SW    | 1        | ot        | 34          | 85              | 6                    | -      | -    | AST        | -    | 10   |
| Malin Head ...              | 991.9                                        | -4                 | SW     | 2     | off      | 46        | 92          | 7               | 4000                 | Nb     | 10   | -          | 10               | 991.4                                        | +1     | SW    | 4        | CPH       | 43          | 97              | 8                    | 4000   | Nb   | 7          | -    | 10   |
| Benfrew ...                 | *                                            | *                  | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *                | 990.6                                        | 0      | SW    | 2        | qrs       | 39          | 97              | 6                    | 2500   | Nb   | 10         | -    | 3    |
| Inchkeith ...               | 992.8                                        | -4                 | WSW    | 4     | ov       | 42        | 85          | 9               | -                    | -      | -    | AST        | 10               | 993.1                                        | -2     | WSW   | 4        | bpr       | 40          | 97              | 7                    | -      | CNb  | 3          | -    | 10   |
| Fiskalemuir ...             | *                                            | *                  | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *                | 990.6                                        | -1     | WSW   | 4        | qrs       | 39          | 85              | 7                    | 1500   | Nb   | 10         | -    | 10   |
| Tynemouth ...               | 995.4                                        | -8                 | S      | 2     | 0        | 44        | 85          | 6               | -                    | -      | -    | AST        | 10               | 990.3                                        | +2     | SW    | 2        | cr        | 40          | 97              | 6                    | 4000   | Nb   | 10         | -    | 10   |
| Blackad Point ...           | *                                            | *                  | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *                | 994.5                                        | +3     | W     | 3        | bpr       | 42          | 97              | 8                    | 1500   | Nb   | 2          | ACW  | 4    |
| Donaghadee ...              | *                                            | *                  | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *                | 997.4                                        | -      | SW    | 2        | CR        | 45          | 97              | 3                    | 2500   | Nb   | 7          | -    | 10   |
| Birr Castle ...             | *                                            | *                  | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *                | 997.8                                        | +9     | WSW   | 4        | qrs       | 42          | 85              | 7                    | 1500   | ST.  | 10         | -    | 8    |
| Baldonnell ...              | 995.1                                        | -11                | -      | 0     | off      | 45        | 97          | 5               | 450                  | ST.    | 10   | -          | 10               | 997.0                                        | +7     | WSW   | 6        | C         | 47          | 85              | 8                    | 1500   | ST.  | 10         | -    | 10   |
| Holyhead ...                | 994.0                                        | -10                | SW     | 6     | off      | *         | *           | 6               | 500                  | ST.    | 10   | -          | 10               | 995.2                                        | +7     | WNW   | 7        | qrs       | 46          | 97              | 6                    | 1500   | ST.  | 10         | -    | 10   |
| Liverpool (Bidston) ...     | *                                            | *                  | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *                | 995.2                                        | +7     | WNW   | 7        | qrs       | 46          | 97              | 6                    | 1500   | ST.  | 10         | -    | 10   |
| Cheshire (Shotwick) ...     | *                                            | *                  | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *                | 995.2                                        | +7     | WNW   | 6        | qrs       | 49          | 85              | 8                    | 450    | ST.  | 10         | -    | 10   |
| Howden ...                  | *                                            | *                  | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *                | 984.8                                        | -6     | W     | 8        | CR        | 52          | 97              | 7                    | 1500   | ST.  | 8          | -    | 10   |
| Spurn Head ...              | 995.7                                        | -9                 | SW     | 1     | off      | 46        | 97          | 6               | 450                  | ST.    | 10   | -          | 10               | 992.0                                        | -      | SW    | 7        | CR        | 55          | 97              | 6                    | 800    | Nb   | 10         | -    | 10   |
| Nottingham ...              | *                                            | *                  | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *                | 992.0                                        | -      | SW    | 7        | CR        | 55          | 97              | 6                    | 800    | Nb   | 10         | -    | 10   |
| Granwell ...                | 997.1                                        | -12                | SW     | 7     | C        | 53        | 97          | 7               | 800                  | Nb     | 8    | -          | 8                | 993.9                                        | -2     | SWW   | 6        | off       | 55          | 97              | 8                    | 800    | Nb   | 10         | -    | 10   |
| Gorleston ...               | 1003.1                                       | -5                 | SWW    | 5     | ot       | 49        | 97          | 8               | 4000                 | Nb     | 10   | -          | 10               | 996.7                                        | -8     | W     | 6        | 0         | 58          | 75              | 8                    | 4000   | Nb   | 10         | -    | 10   |
| Pulham ...                  | *                                            | *                  | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *                | 996.9                                        | -3     | WSW   | 7        | 0         | 58          | 75              | 7                    | 4000   | ST.  | 10         | -    | 10   |
| Pelham ...                  | *                                            | *                  | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *                | 1004.2                                       | -4     | WSW   | 7        | 0         | 58          | 85              | 8                    | 4000   | ST.  | 10         | -    | 3    |
| Valencia (Cahirciveen) ...  | 996.5                                        | -3                 | SW     | 8     | qrs      | 55        | 97          | 5               | -                    | Nb     | 9    | -          | 9                | 1004.4                                       | +8     | W     | 3        | b+        | 48          | 85              | 8                    | 4000   | CNb  | 1          | -    | 10   |
| Roche Point ...             | *                                            | *                  | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *                | 1001.0                                       | -2     | SW    | 8        | qrs       | 54          | 85              | 8                    | 1500   | Nb   | 10         | -    | 10   |
| Pembroke (St. Ann's H.) ... | 1002.7                                       | -2                 | SW     | 8     | qrs      | 54        | 97          | 8               | 1500                 | Nb     | 10   | -          | 10               | 999.9                                        | 0      | WSW   | 6        | qrs       | 55          | 85              | 7                    | 1500   | Nb   | 10         | -    | 10   |
| Ross-on-Wye ...             | *                                            | *                  | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *                | 1001.5                                       | -1     | WSW   | 6        | qrs       | 54          | 85              | 8                    | -      | Nb   | 10         | -    | 10   |
| Benson ...                  | *                                            | *                  | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *                | 1003.8                                       | -3     | W     | 5        | qrs       | 56          | 85              | 8                    | 4500   | ST.  | 10         | -    | 10   |
| S. Farnborough ...          | *                                            | *                  | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *                | 1004.4                                       | -3     | SW    | 6        | 0         | 57          | 75              | 8                    | 2500   | ST.  | 10         | -    | 10   |
| London (Kew Obs.) ...       | *                                            | *                  | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *                | 1003.9                                       | -4     | SW    | 7        | qrs       | 57          | 85              | 8                    | 800    | ST.  | 9          | AST  | 8    |
| Croydon ...                 | 1007.7                                       | -6                 | WSW    | 7     | CR       | 55        | 97          | 8               | 1500                 | Nb     | 10   | -          | 10               | 1000.5                                       | -5     | WSW   | 6        | C         | 54          | 85              | 8                    | 1200   | Nb   | 8          | -    | 10   |
| Clacton-on-Sea ...          | *                                            | *                  | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *                | 1001.7                                       | -3     | WSW   | 8        | 0         | 56          | 75              | 8                    | 2500   | ST.  | 10         | -    | 10   |
| Shoeburyness ...            | *                                            | *                  | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *                | 1003.2                                       | -2     | WSW   | 8        | 0         | 57          | 75              | 8                    | 2500   | ST.  | 10         | -    | 10   |
| Grain ...                   | *                                            | *                  | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *                | 1003.8                                       | -3     | SW    | 7        | qrs       | 53          | 97              | 7                    | 250    | Nb   | 10         | -    | 10   |
| Lymington ...               | 1008.0                                       | -7                 | SW     | 6     | qrs      | 50        | 97          | 1               | 450                  | Nb     | 10   | -          | 10               | 1004.8                                       | -3     | SW    | 7        | qrs       | 53          | 97              | 7                    | 250    | Nb   | 10         | -    | 10   |
| Sally (St. Mary's) ...      | 1009.9                                       | -2                 | WSW    | 7     | 0        | 55        | 97          | 8               | 500                  | ST.    | 10   | -          | 10               | 1009.4                                       | 0      | WSW   | 7        | 0         | 55          | 97              | 8                    | 4000   | ST.  | 10         | -    | 10   |
| Falmouth (Pendennis) ...    | 1009.8                                       | -4                 | W      | 10    | qrs      | 54        | 97          | 5               | 500                  | Nb     | 10   | -          | 10               | 1008.4                                       | 0      | W     | 9        | qrs       | 55          | 85              | 5                    | 500    | Nb   | 10         | -    | 10   |
| Plymouth ...                | 1009.8                                       | -4                 | W      | 10    | qrs      | 54        | 97          | 5               | 500                  | Nb     | 10   | -          | 10               | 1008.4                                       | 0      | WSW   | 7        | qrs       | 55          | 97              | 8                    | 1500   | Nb   | 10         | -    | 10   |
| Portland Bill ...           | 1009.9                                       | -3                 | WSW    | 8     | off      | 49        | 85          | 7               | 450                  | ST.    | 10   | -          | 10               | 1006.3                                       | -3     | WSW   | 9        | qrs       | 51          | 85              | 7                    | 450    | ST.  | 10         | -    | 10   |
| Calshot ...                 | 1009.8                                       | -3                 | WSW    | 6     | qrs      | 52        | 97          | 5               | 450                  | Nb     | 10   | -          | 10               | 1006.5                                       | -3     | WSW   | 7        | qrs       | 54          | 97              | 5                    | 500    | Nb   | 10         | -    | 10   |
| Dungeness ...               | 1008.9                                       | -5                 | SW     | 8     | qrs      | 52        | 97          | 6               | 450                  | ST.    | 10   | -          | 10               | 1007.4                                       | -4     | WSW   | 9        | qrs       | 52          | 97              | 5                    | 2500   | ST.  | 10         | -    | 10   |
| Jersey Th. ...              | 1016.0                                       | -2                 | SW     | 8     | qrs      | 53        | 97          | 6               | 500                  | ST.    | 10   | -          | 10               | 1014.6                                       | -1     | W     | 7        | qrs       | 56          | 85              | 8                    | 4000   | ST.  | 10         | -    | 10   |
| Guernsey Th. ...            | *                                            | *                  | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *                | *                                            | *      | *     | *        | *         | *           | *               | *                    | *      | *    | *          | *    | *    |

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 27<sup>th</sup> DECEMBER

| WEATHER.       |           | TEMPERATURE. |           | RAINFALL.   |               | SUNSHINE.   |                    |     |                       | WEATHER.  |            | TEMPERATURE. |             | RAINFALL.     |             | SUNSHINE.          |  |
|----------------|-----------|--------------|-----------|-------------|---------------|-------------|--------------------|-----|-----------------------|-----------|------------|--------------|-------------|---------------|-------------|--------------------|--|
| STATIONS.      | Forenoon. | Afternoon.   | Max. Day. | Min. Night. | Night 12h-9h. | Day 9h-12h. | Sunrise to Sunset. |     | STATIONS.             | Forenoon. | Afternoon. | Max. Day.    | Min. Night. | Night 12h-9h. | Day 9h-12h. | Sunrise to Sunset. |  |
|                |           |              |           |             | mm.           | mm.         | hr.                | hr. |                       |           |            |              |             |               |             |                    |  |
| Banff          | b.c.      | ps b.c.      | 39        | 37          | 0.4           | 1.3         | 0.9                |     | Paignton              | b.c.      | or b.c.    | 51           | 43          | 1.1           | 1.2         | 2.3                |  |
| Montrose       | c         | b.c.         | 42        | 37          | 1             | -           | 2.9                |     | Ilfracombe            | b.c.      | b.c.       | 53           | 43          | 12            | -           | 3.0                |  |
|                |           |              |           |             |               |             |                    |     | Bude                  | b.c.      | b.c.       | 54           | 49          | 9             | -           | 2.2                |  |
| Llandudno      | c.b.c.    | op. o        | 50        | 45          | 10            | 0.1         | 1.4                |     | Penzance              | b.c.      | b.c.       | 56           | 47          | 6             | -           | 2.8                |  |
| Colwyn Bay     | b.c.      | b.c.         | 51        | 45          | 12            | -           | 1.3                |     | Torquay               | b         | o          | 55           | 43          | 2.2           | 0.4         | 3.6                |  |
| Rhyl           | b.c.c.    | c            | 51        | 45          | 4             | -           | 1.4                |     | Weymouth              | c.b.      | b.c.       | 55           | 45          | 4             | -           | 3.5                |  |
| Southport      | b.c.      | c.o          | 49        | 44          | 10            | -           | 1.3                |     | Bournemouth           | b         | b.c.       | 53           | 38          | 7             | -           | 4.4                |  |
| Blackpool      | op        | b.c.         | 48        | 43          | 14            | 1           | 0.4                |     | Portsmouth (S. Ches.) | b         | b          | 53           | 45          | 7             | -           | 4.3                |  |
| Harrogate      | b.c.      | b.c.         | 52        | 40          | 4             | -           | 1.9                |     | Worthing              | b.c.      | b.c.       | 51           | 44          | 5             | -           | 3.1                |  |
| Skewness       | b.c.      | b            | 49        | 37          | 3             | -           | 4.2                |     | Brighton              | c         | b.c.       | 51           | 40          | 5             | -           | 4.9                |  |
|                |           |              |           |             |               |             |                    |     | Eastbourne            | c.b.      | b.c.       | 52           | 46          | 3             | -           | 4.1                |  |
| Aberystwyth    | r.c.      | c.o          | 50        | 44          | 11            | -           | 1.5                |     | Hastings              | o.c.b.    | c.b.c.     | 51           | 45          | 4             | -           | 2.9                |  |
| Bath           | o.c. b.c. | c.b.c.       | 53        | 40          | 6             | -           | 2.9                |     | Folkestone            |           |            |              |             |               |             |                    |  |
| Leamington Spa | b         | c.b.         | 51        | 40          | 5             | -           | 4.0                |     | Tunbridge Wells       | c.b.c.    | b.c.       | 51           | 43          | 5             | -           | 3.0                |  |
| Lowestoft      | o.c.b.c.  | b.c.         | 49        | 42          | 6             | -           | 3.6                |     | Ramsgate              | b         | b          | 50           | 36          | 2             | -           | 0.9                |  |
| Felixstowe     | c         | o            | 46        | 42          | 3             | -           | 1.4                |     | Margate               | c         | b.c.       | 52           | 54          | 1             | -           | 4.0                |  |
| Southend       | b.c.      | b.c.         | 50        | 43          | 2             | -           | 2.4                |     | Deal                  | b.c.      | b.c.       | 51           | 44          | 5             | -           | 3.1                |  |
|                |           |              |           |             |               |             |                    |     | Falmouth              |           |            | 55           | 47          | 6             | -           |                    |  |

\* 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. B21,952

Thursday, 29<sup>th</sup> December 1921.

Page 1.

| Observations at 1500 G.M.T. 28 <sup>th</sup> |                       |                    |        |        |          |           |             |                    |                            |        |      |       |      | Observations at 1800 G.M.T. 28 <sup>th</sup> |                    |       |       |          |           |             |                    |                            |        |       |      |      |      |
|----------------------------------------------|-----------------------|--------------------|--------|--------|----------|-----------|-------------|--------------------|----------------------------|--------|------|-------|------|----------------------------------------------|--------------------|-------|-------|----------|-----------|-------------|--------------------|----------------------------|--------|-------|------|------|------|
| STATIONS.                                    | Barom. at M.S.L. m.b. | Change in 3 Hours. | Wind.  |        | Weather. | Temp. °F. | Humidity. % | Visibility. Miles. | Height of Low Cloud. Feet. | Cloud. |      |       | Sec. | Barom. at M.S.L. m.b.                        | Change in 3 Hours. | Wind. |       | Weather. | Temp. °F. | Humidity. % | Visibility. Miles. | Height of Low Cloud. Feet. | Cloud. |       |      | Sec. |      |
|                                              |                       |                    | Dirac. | Force. |          |           |             |                    |                            | Form.  | Amt. | Form. |      |                                              |                    | Amt.  | Form. |          |           |             |                    |                            | Amt.   | Form. | Amt. |      |      |
|                                              |                       |                    |        |        |          |           |             |                    |                            |        |      |       |      |                                              |                    |       |       |          |           |             |                    |                            |        |       |      |      | 0-12 |
| Lerwick                                      | 982.4                 | -1                 | W      | 5      | o/s      | 37        | 85          | 7                  | 4000                       | Cu     | 3    | AS    | 9    | 981.6                                        | 0                  | W     | 5     | o/s      | 37        | 85          | 6                  | 4000                       | CU     | 10    | -    | 10   | 4    |
| Stornoway                                    | 986.8                 | +2                 | WSW    | 4      | o/s      | 34        | 85          | 6                  | 450                        | SV     | 10   | -     | 10   | 987.4                                        | +3                 | WSW   | 5     | o/s      | 37        | 75          | 6                  | 450                        | SV     | 10    | -    | 10   | 4    |
| Wick                                         | 986.5                 | +2                 | WSW    | 3      | CS       | 33        | 97          | 9                  | 1500                       | CU     | 7    | -     | 7    | 988.4                                        | +2                 | SW    | 4     | CS       | 32        | 97          | 8                  | 2500                       | CU     | 8     | -    | 8    | 1    |
| Castellbay                                   | 992.4                 | +3                 | W      | 6      | o/s      | 41        | 65          | 8                  | 800                        | CU     | 10   | -     | 10   | 996.9                                        | +4                 | WNW   | 8     | o/s      | 43        | 65          | 6                  | 800                        | CU     | 8     | -    | 8    | 7    |
| Sairn                                        | 998.5                 | +1                 | WSW    | 3      | b/c      | 39        | 75          | 8                  | 4000                       | CU     | 1    | AS    | 4    | 992.0                                        | 0                  | WNW   | 1     | o/s      | 33        | 97          | 8                  | 4000                       | CU     | 7     | -    | 7    | 0    |
| Aberdeen                                     | 998.5                 | +1                 | WSW    | 3      | b/c      | 39        | 75          | 8                  | 4000                       | CU     | 1    | AS    | 4    | 994.3                                        | +7                 | WSW   | 4     | b/c      | 35        | 85          | 8                  | 4000                       | CU     | 6     | -    | 6    | 0    |
| Malin Head                                   | 997.1                 | +8                 | W      | 5      | b/c      | 40        | 97          | 8                  | 4000                       | CU     | 6    | -     | 6    | 1001.6                                       | +6                 | W     | 5     | CPH      | 42        | 97          | 8                  | 4000                       | CU     | 8     | -    | 8    | 6    |
| Benfrew                                      | 994.1                 | +3                 | WSW    | 4      | C        | 40        | 75          | 8                  | 2500                       | SV     | 5    | AS    | 8    | 999.7                                        | +6                 | W     | 4     | C/S      | 38        | 75          | 8                  | 2500                       | SV     | 7     | -    | 7    | 4    |
| Inchkeith                                    | 991.2                 | +3                 | WSW    | 5      | b/c      | 39        | 85          | 6                  | 4000                       | CU     | 6    | -     | 6    | 996.5                                        | +4                 | W     | 6     | o/s      | 38        | 85          | 8                  | 4000                       | CU     | 9     | -    | 9    | 4    |
| Rakdalmuir                                   | 996.2                 | +2                 | WSW    | 5      | o/s      | 36        | 85          | 7                  | 1500                       | SV     | 9    | -     | 9    | 1003.0                                       | +8                 | WSW   | 5     | b/c      | 34        | 85          | 8                  | 1500                       | SV     | 4     | -    | 4    | 0    |
| Tysemouth                                    | 995.6                 | +3                 | NW     | 4      | o/s      | 41        | 85          | 6                  | 4000                       | CU     | 10   | -     | 10   | 1001.9                                       | +5                 | W     | 4     | b/c      | 36        | 92          | 7                  | 4000                       | CU     | 4     | -    | 4    | 2    |
| Blackad Point                                | 1004.4                | +6                 | WNW    | 7      | b/c      | 44        | 75          | 8                  | 1500                       | CU     | 5    | -     | 5    | 1010.8                                       | +8                 | WNW   | 8     | b/c      | 43        | 75          | 8                  | 4000                       | CU     | 2     | -    | 2    | 8    |
| Dunaghadde                                   | 1001.1                | +5                 | W      | 3      | b/c      | 37        | 92          | 8                  | 4000                       | CU     | 4    | -     | 4    | 1006.6                                       | +7                 | W     | 4     | b        | 37        | 85          | 8                  | 4000                       | CU     | 2     | -    | 2    | 4    |
| Birr Castle                                  | 1007.6                | 0                  | W      | 3      | b/c      | 41        | 85          | 7                  | 4000                       | CU     | 6    | -     | 6    | 1013.5                                       | +7                 | WSW   | 3     | b/c      | 39        | 92          | 8                  | 4000                       | CU     | 4     | -    | 4    | 0    |
| Baldonnell                                   | 1006.4                | +7                 | W'S    | 6      | b        | 43        | 75          | 8                  | 2500                       | SV     | 2    | AS    | 3    | 1012.4                                       | +7                 | WSW   | 5     | b        | 38        | 75          | 8                  | 1500                       | CU     | 3     | -    | 3    | 6    |
| Holyhead                                     | 1004.7                | +7                 | W      | 8      | C        | 45        | 75          | 8                  | 2500                       | CU     | 8    | -     | 8    | 1011.4                                       | +7                 | WNW   | 7     | b        | 43        | 85          | 8                  | 1500                       | CU     | 3     | -    | 3    | 7    |
| Liverpool (Bidston)                          | 1002.0                | +5                 | W      | 8      | CPH      | 42        | 85          | 8                  | 800                        | CU     | 8    | -     | 8    | 1009.0                                       | +8                 | W     | 8     | b/r      | 43        | 75          | 8                  | 2500                       | CU     | 3     | -    | 3    | 7    |
| Chester (Shotwick)                           | 1001.6                | +4                 | W      | 6      | C        | 47        | 65          | 9                  | 1500                       | SV     | 10   | -     | 10   | 1009.8                                       | +5                 | W     | 5     | b/c      | 42        | 65          | 9                  | 800                        | SV     | 6     | -    | 6    | 0    |
| Howden                                       | 998.7                 | +9                 | WNW    | 6      | b        | 45        | 92          | 7                  | 4000                       | CU     | 3    | -     | 3    | 1005.4                                       | +7                 | W     | 7     | b        | 42        | 85          | 7                  | -                          | -      | 0     | -    | 0    | 5    |
| Spurn Head                                   | 1002.4                | 0                  | WSW    | 6      | b        | 44        | 85          | 5                  | 1500                       | CU     | 3    | -     | 3    | 1010.6                                       | 0                  | W     | 5     | b        | 42        | 75          | 5                  | -                          | -      | 0     | -    | 0    | 0    |
| Nottingham                                   | 1002.3                | +6                 | W'S    | 6      | C        | 46        | 85          | 8                  | 2500                       | CU     | 7    | -     | 7    | 1009.9                                       | +9                 | W     | 5     | b        | 37        | 92          | 8                  | 2500                       | CU     | 1     | -    | 1    | 0    |
| Gravelly                                     | 1001.2                | +5                 | NW     | 5      | b/c      | 50        | 75          | 8                  | 4000                       | CU     | 2    | CU    | 4    | 1008.6                                       | +2                 | WNW   | 5     | b/c      | 41        | 75          | 8                  | -                          | -      | 0     | -    | 0    | 4    |
| Corleston                                    | 1002.3                | +5                 | W'S    | 5      | b/c      | 50        | 85          | 8                  | 2500                       | CU     | 5    | -     | 5    | 1009.8                                       | +8                 | W'S   | 5     | b/r      | 43        | 75          | 8                  | -                          | -      | 0     | -    | 0    | 0    |
| Pullham                                      | 1001.6                | +5                 | WNW    | 5      | C/T      | 51        | 85          | 9                  | 1500                       | SV     | 7    | -     | 7    | 1012.5                                       | +9                 | WNW   | 4     | b        | 44        | 75          | 9                  | -                          | -      | 0     | -    | 0    | 2    |
| Felixstowe                                   | 1013.2                | +7                 | W      | 6      | b/c      | 47        | 65          | 8                  | 2500                       | SV     | 6    | -     | 6    | 1018.8                                       | +5                 | W     | 6     | C/T      | 44        | 65          | 8                  | 1500                       | SV     | 7     | -    | 7    | 7    |
| Valencia (Cahiroveev)                        | 1012.7                | +5                 | W      | 5      | b        | 45        | 85          | 8                  | 4000                       | CU     | 3    | -     | 3    | 1018.0                                       | +7                 | WNW   | 2     | b        | 42        | 85          | 9                  | -                          | -      | 0     | -    | 0    | 1    |
| Roches Point                                 | 1009.5                | +7                 | W      | 7      | b        | 48        | 75          | 8                  | 4000                       | CU     | 3    | -     | 3    | 1016.8                                       | +6                 | W     | 7     | C        | 46        | 75          | 8                  | 2500                       | CU     | 7     | -    | 7    | 7    |
| Pembroke (St. Ann's H.)                      | 1007.8                | +9                 | W'S    | 7      | b        | 48        | 55          | 9                  | 4000                       | CU     | 2    | -     | 2    | 1014.8                                       | +7                 | WNW   | 4     | b        | 43        | 65          | 9                  | 4000                       | CU     | 1     | -    | 1    | 0    |
| Ross-on-Wye                                  | 1006.2                | +5                 | WNW    | 5      | C/T      | 51        | 65          | 9                  | -                          | CU     | 7    | -     | 7    | 1013.9                                       | +9                 | W     | 3     | b        | 42        | 65          | 8                  | -                          | -      | 0     | -    | 0    | 0    |
| Bencon                                       | 1006.8                | +4                 | W      | 4      | b/c      | 53        | 75          | 8                  | 4000                       | CU     | 4    | C/S   | 5    | 1015.1                                       | +10                | W     | 3     | b        | 43        | 75          | 8                  | -                          | -      | 0     | -    | 0    | 0    |
| S. Farnborough                               | 1006.0                | +4                 | W      | 5      | o/r      | 53        | 65          | 8                  | 4000                       | CU     | 10   | -     | 10   | 1014.4                                       | +10                | WSW   | 4     | b        | 46        | 65          | 8                  | -                          | -      | 0     | -    | 0    | 0    |
| London (Kew Obsy.)                           | 1006.7                | +6                 | WSW    | 7      | C/T      | 53        | 75          | 8                  | 2500                       | SV     | 6    | AS    | 8    | 1014.8                                       | +10                | W     | 6     | b        | 45        | 65          | 8                  | -                          | -      | 0     | -    | 0    | 0    |
| Croydon                                      | 1004.2                | +3                 | WNW    | 7      | o/r      | 52        | 85          | 6                  | 1500                       | CU     | 9    | -     | 9    | 1011.3                                       | +9                 | W     | 4     | b/r      | 44        | 65          | 8                  | 4000                       | CU     | 2     | -    | 2    | 4    |
| Clacton-on-Sea                               | 1004.7                | +4                 | W      | 6      | o/s      | 52        | 85          | 8                  | 2500                       | SV     | 8    | AS    | 10   | 1013.5                                       | +11                | WNW   | 6     | b        | 46        | 55          | 8                  | 2500                       | SV     | 1     | -    | 1    | 6    |
| Shoeburyness                                 | 1005.9                | +1                 | W'S    | 7      | o/s      | 52        | 75          | 9                  | 1500                       | CU     | 5    | AS    | 10   | 1014.1                                       | +8                 | W     | 5     | b        | 44        | 65          | 9                  | -                          | -      | 0     | -    | 0    | 0    |
| Grain                                        | 1014.7                | +5                 | WNW    | 7      | C/T      | 51        | 85          | 8                  | 4000                       | SV     | 8    | -     | 8    | 1020.4                                       | +7                 | NW    | 6     | b        | 48        | 97          | 8                  | 4000                       | CU     | 3     | -    | 3    | 7    |
| Lymington                                    | 1014.2                | +8                 | W      | 7      | C/T      | 51        | 75          | 6                  | 4000                       | CU     | 6    | CU    | 8    | 1019.0                                       | +6                 | W     | 6     | o/s      | 46        | 75          | 5                  | 4000                       | CU     | 9     | -    | 9    | 2    |
| Silly (St. Mary's)                           | 1013.0                | +7                 | WNW    | 4      | b/c      | 53        | 75          | 8                  | 1500                       | CU     | 3    | CU    | 5    | 1016.9                                       | +5                 | WNW   | 3     | o/s      | 46        | 92          | 8                  | 1500                       | CU     | 9     | -    | 9    | 1    |
| Plymouth (Pendennis)                         | 1009.7                | +3                 | WNW    | 8      | b/c      | 52        | 85          | 8                  | 4000                       | CU     | 3    | CU    | 5    | 1016.9                                       | +9                 | WNW   | 3     | o/s      | 45        | 75          | 8                  | 4000                       | SV     | 10    | -    | 10   | 1    |
| Portland Bill                                | 1008.5                | +4                 | W      | 6      | b/c      | 53        | 75          | 8                  | 4000                       | CU     | 3    | CU    | 5    | 1016.2                                       | +15                | NW    | 4     | b        | 46        | 75          | 8                  | 450                        | SV     | 3     | -    | 3    | 5    |
| Calshot                                      | 1004.6                | 0                  | W      | 9      | OR       | 55        | 85          | 8                  | 4000                       | SV     | 10   | -     | 10   | 1020.2                                       | +4                 | WNW   | 5     | o/r      | 52        | 75          | 8                  | 4000                       | SV     | 10    | -    | 10   | 6    |
| Dungeness                                    | 1014.8                | 0                  | W      | 7      | 0        | 55        | 85          | 8                  | 4000                       | SV     | 10   | -     | 10   | 1020.2                                       | +4                 | WNW   | 5     | o/r      | 52        | 75          | 8                  | 4000                       | SV     | 10    | -    | 10   | 6    |
| Jersey                                       | 1014.8                | 0                  | W      | 7      | 0        | 55        | 85          | 8                  | 4000                       | SV     | 10   | -     | 10   | 1020.2                                       | +4                 | WNW   | 5     | o/r      | 52        | 75          | 8                  | 4000                       | SV     | 10    | -    | 10   | 6    |

| LONDON OBSERVATIONS.                        |  | WEATHER.                                    |             | TEMPERATURE.                                |          | RAIN-FALL.                                  |                   | SUNSHINE.                                   |        | HUMIDITY.                                   |            | ATMOSPHERIC POLLUTION.                          |  | SOLAR RADIATION.                            |  | POLE STAR RECORD at Greenwich Obsy.                                 |  |
|---------------------------------------------|--|---------------------------------------------|-------------|---------------------------------------------|----------|---------------------------------------------|-------------------|---------------------------------------------|--------|---------------------------------------------|------------|-------------------------------------------------|--|---------------------------------------------|--|---------------------------------------------------------------------|--|
|                                             |  | Morn-ing.                                   | After-noon. | Night.                                      | Max. °F. | Min. °F.                                    | Min. on Glass °F. | Day.                                        | Night. | 15L. G.M.T.                                 | 9h. G.M.T. | Lbs. of Solid Impurity per million cubic yards. |  | Vertical component per square centimetre.   |  | Exposure from 28 <sup>th</sup> to 29 <sup>th</sup> 17.45 to 7.30 m. |  |
| 24 hours ended 0900 G.M.T. 29 <sup>th</sup> |  | 24 hours ended 0900 G.M.T. 29 <sup>th</sup> |             | 24 hours ended 0900 G.M.T. 29 <sup>th</sup> |          | 24 hours ended 0900 G.M.T. 29 <sup>th</sup> |                   | 24 hours ended 0900 G.M.T. 29 <sup>th</sup> |        | 24 hours ended 0900 G.M.T. 29 <sup>th</sup> |            | 24 hours ended 0900 G.M.T. 29 <sup>th</sup>     |  | 24 hours ended 0900 G.M.T. 29 <sup>th</sup> |  | 24 hours ended 0900 G.M.T. 29 <sup>th</sup>                         |  |
| Kew                                         |  | b, b                                        | b           | b                                           | 57       | 38                                          | 30                | 1                                           | 1      | 1.6                                         | 80         | South Kensington                                |  | South Kensington                            |  | Stars                                                               |  |
| Croydon                                     |  | b, b                                        | b           | b                                           | 57       | 38                                          | 30                | 1                                           | 1      | 1.6                                         | 80         | Max. Time. Min. Time.                           |  | Total                                       |  | Exposure                                                            |  |
| Greenwich (Royal Obsy.)                     |  | b, b                                        | b           | b                                           | 57       | 38                                          | 30                | 1                                           | 1      | 1.6                                         | 80         | Kew Observatory                                 |  | Average Rate                                |  | h. m.                                                               |  |
| City (Banhill Row)                          |  | b, b                                        | b           | b                                           | 57       | 38                                          | 30                | 1                                           | 1      | 1.6                                         | 80         | Max. Time. Min. Time.                           |  | Maximum Rate                                |  | h. m.                                                               |  |
| Westminster (St. James' Pk.)                |  | b, b                                        | b           | b                                           | 57       | 38                                          | 30                | 1                                           | 1      | 1.6                                         | 80         | Max. Time. Min. Time.                           |  | Maximum Rate                                |  | h. m.                                                               |  |
| Regent's Pk. (Botanical Obsy.)              |  | b, b                                        | b           | b                                           | 57       | 38                                          | 30                | 1                                           | 1      | 1.6                                         | 80         | Max. Time. Min. Time.                           |  | Maximum Rate                                |  | h. m.                                                               |  |
| Canterbury Sq. (Brit. Rainfall)             |  | b, b                                        | b           | b                                           | 57       | 38                                          | 30                | 1                                           | 1      | 1.6                                         | 80         | Max. Time. Min. Time.                           |  | Maximum Rate                                |  | h. m.                                                               |  |
| Kensington Palace                           |  | b, b                                        | b           | b                                           | 57       | 38                                          | 30                | 1                                           | 1      | 1.6                                         | 80         | Max. Time. Min. Time.                           |  | Maximum Rate                                |  | h. m.                                                               |  |
| Hamstead Observatory                        |  | b, b                                        | b           | b                                           | 57       | 38                                          | 30                | 1                                           | 1      | 1.6                                         | 80         | Max. Time. Min. Time.                           |  | Maximum Rate                                |  | h. m.                                                               |  |

| TABLE SHOWING THE GREENWICH TIMES OF RISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. |  |  |  | BEAUFORT NOTATION OF WEATHER. |  |  |  | THE BEAUFORT SCALE OF W |  |  |  |
|-------------------------------------------------------------------------------------------------|--|--|--|-------------------------------|--|--|--|-------------------------|--|--|--|
|-------------------------------------------------------------------------------------------------|--|--|--|-------------------------------|--|--|--|-------------------------|--|--|--|

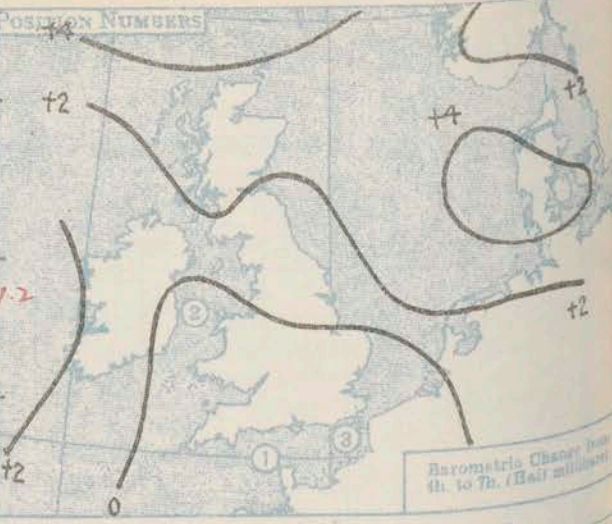


## SUMMARIES FOR THE LAST 24 HOURS

ISALOBARS

29<sup>th</sup> Dec.

| STATIONS.               | WEATHER. |         |         |       | TEMPERATURE. |            |               | RAINFALL.  |               |                     | SUN. |
|-------------------------|----------|---------|---------|-------|--------------|------------|---------------|------------|---------------|---------------------|------|
|                         | 7h-13h   | 13h-18h | 18h-24h | 24h   | MAX. Day     | MIN. Night | MIN. on GRAFS | Day 7h-13h | Night 13h-18h | Precipitation began |      |
| Lerwick                 | horrh    | horrh   | p       | scrrs | 39           | 30         | "             | 5          | 5             | 40800               | 0.5  |
| Stornoway               | p        | p       | horrh   | pg    | 37           | 33         | "             | 5          | 8             | "                   | 0.5  |
| Wick                    | cisq     | ois     | cisq    | cshl  | 34           | 30         | "             | 2          | 2             | 0900                | 0.2  |
| Castletown              | bchp     | hchp    | hchp    | hchp  | 43           | 36         | "             | 1          | 3             | "                   | 0.0  |
| Nairn                   | scrrs    | scrrs   | scrrs   | scrrs | 36           | 32         | "             | 5          | 7             | 0900                | 2.2  |
| Aberdeen                | obfbc    | borbc   | bpc     | stl   | 39           | 34         | 29            | "          | "             | "                   | "    |
| Malin Head              | p Kq     | Pmaj    | Pghl    | Prg   | 44           | 40         | "             | 2          | 3             | 40800               | 0.4  |
| Renfrew                 | qRpr     | c.oPRrs | amir    | scrrs | 42           | 36         | 32            | 2          | 4             | 0900                | 0.1  |
| Inchkeith               | p        | scrrs   | borbc   | scrrs | 41           | 38         | 34            | 5          | 2             | "                   | 0.6  |
| Eskdalemuir             | scrrs    | scrrs   | scrrs   | scrrs | 40           | 33         | 32            | 10         | 16            | 40800               | 0.6  |
| Tynemouth               | immpj    | immpj   | bpc     | blmg  | 44           | 35         | "             | 4          | 1             | 0900                | 2.00 |
| Blackrod Point          | horrh    | horrh   | bcp     | bcg   | 43           | 36         | "             | 2          | 0.2           | 40800               | 0.00 |
| Donaghadee              | qir      | bcp     | bcir    | bcir  | 45           | 37         | 32            | 2          | 2             | 40800               | 0.00 |
| Birr Castle             | chq      | c.oq    | btc     | bcg   | 43           | 36         | 32            | Trace      | "             | 40800               | 3.8  |
| Baldonnell              | c        | bc      | bc      | bc    | 47           | 42         | 39            | Trace      | "             | "                   | 2.3  |
| Holyhead                | c.oq     | c.b     | bc      | bc    | 48           | 41         | 36            | 2          | "             | 1330                | 2.1  |
| Liverpool (Bidston)     | horrh    | p       | borbc   | "     | 49           | 40         | "             | 1          | 0.1           | 40800               | "    |
| Chester (Shutwick)      | c.oq     | chq     | bc      | "     | "            | "          | "             | "          | "             | "                   | "    |
| Howden                  | borbc    | p       | borbc   | borbc | 47           | 37         | "             | 0.4        | "             | 1430                | 3.9  |
| Spurn Head              | ir       | chp     | borbc   | borbc | 56           | 38         | 33            | 1          | "             | 40800               | 1.7  |
| Nottingham              | cp       | chp     | borbc   | borbc | 55           | 36         | 33            | 1          | "             | 1100                | 3.8  |
| Cranwell                | cp       | chp     | borbc   | borbc | 58           | 37         | 35            | 4          | "             | 40800               | 2.2  |
| Gorleston               | cp       | chp     | borbc   | borbc | 58           | 37         | 35            | 5          | "             | 1530                | 1.8  |
| Fulham                  | cp       | chp     | borbc   | borbc | 57           | 38         | 35            | 1          | "             | 0900                | 2.1  |
| Felixstowe              | cp       | chp     | borbc   | borbc | "            | "          | "             | "          | "             | "                   | "    |
| Valencia (Cahiroiveen)  | byp      | bcy     | c       | chp   | 49           | 43         | 39            | 1          | 2             | 1100                | 1.8  |
| Roches Point            | p        | bpc     | borbc   | borbc | 49           | 40         | "             | 0.4        | "             | 0900                | "    |
| Pembroke (St. Ann's H.) | Kaj      | chp     | cg      | c     | 54           | 45         | "             | 1          | "             | 1430                | 2.8  |
| Ross-on-Wye             | Raj      | chp     | bcy     | bcy   | 55           | 39         | 32            | 6          | "             | 40800               | 3.4  |
| Benson                  | ITSC     | horrh   | borbc   | borbc | 55           | 35         | 29            | 1          | "             | 40800               | 2.1  |
| S. Farnborough          | Tord     | borbc   | borbc   | borbc | 56           | 36         | 31            | 1          | "             | 40800               | 2.6  |
| London (Kew Obsv.)      | qRq      | bcy     | b       | b     | 57           | 39         | 34            | 4          | "             | 0900                | 1.0  |
| Croydon                 | qRq      | bcy     | b       | b     | 57           | 39         | 35            | 2          | "             | 0900                | 1.9  |
| Olaeton-on-Sea          | c.oq     | cp      | b       | b     | 56           | 38         | 33            | 6          | "             | 0900                | 0.8  |
| Shoeburyness            | p        | borbc   | borbc   | borbc | 57           | 37         | 32            | 1          | "             | 0900                | 1.3  |
| Grain                   | so       | borbc   | borbc   | borbc | 57           | 39         | 31            | 0.1        | "             | 0900                | 0.7  |
| Lympe                   | qRq      | bcy     | b       | b     | 54           | 36         | 31            | 2          | "             | 40800               | 0.6  |
| Scilly (St. Mary's)     | Tord     | p       | bcy     | cp    | 55           | 45         | "             | 2          | 2             | 40800               | 3.2  |
| Falmouth (Penderons)    | qRq      | cp      | bcy     | cp    | 55           | 45         | "             | 2          | 3             | 40800               | 1.6  |
| Plymouth                | qRq      | cp      | bcy     | cp    | 55           | 44         | 41            | 1          | 0.4           | 40800               | 2.3  |
| Portland Bill           | c        | borbc   | borbc   | o.o   | 54           | 45         | "             | 1          | 0.1           | 1230                | 0.0  |
| Calshot                 | Tord     | c       | c       | c     | 53           | 40         | 38            | 1          | "             | 40800               | 0.0  |
| Dungeness               | qRq      | c       | borbc   | borbc | 54           | 41         | "             | 2          | "             | 40800               | 0.0  |
| Jersey                  | o.c.o    | qRq     | ob      | cp    | 56           | 47         | "             | 1          | 3             | 1430                | 0.0  |



| Position | Date and Time    | Steamship | Wind |       | Weather | Temp |     |
|----------|------------------|-----------|------|-------|---------|------|-----|
|          |                  |           | Dir  | Force |         | Air  | Sea |
| 3        | 28 <sup>th</sup> | Arundel   | WSW  | 9     | bc+     | 53   | 51  |
| 2        | "                | Anglia    | "    | "     | cg      | 46   | 51  |
| 3        | 29 <sup>th</sup> | Brighton  | WNW  | 6     | bcv     | 49   | 51  |

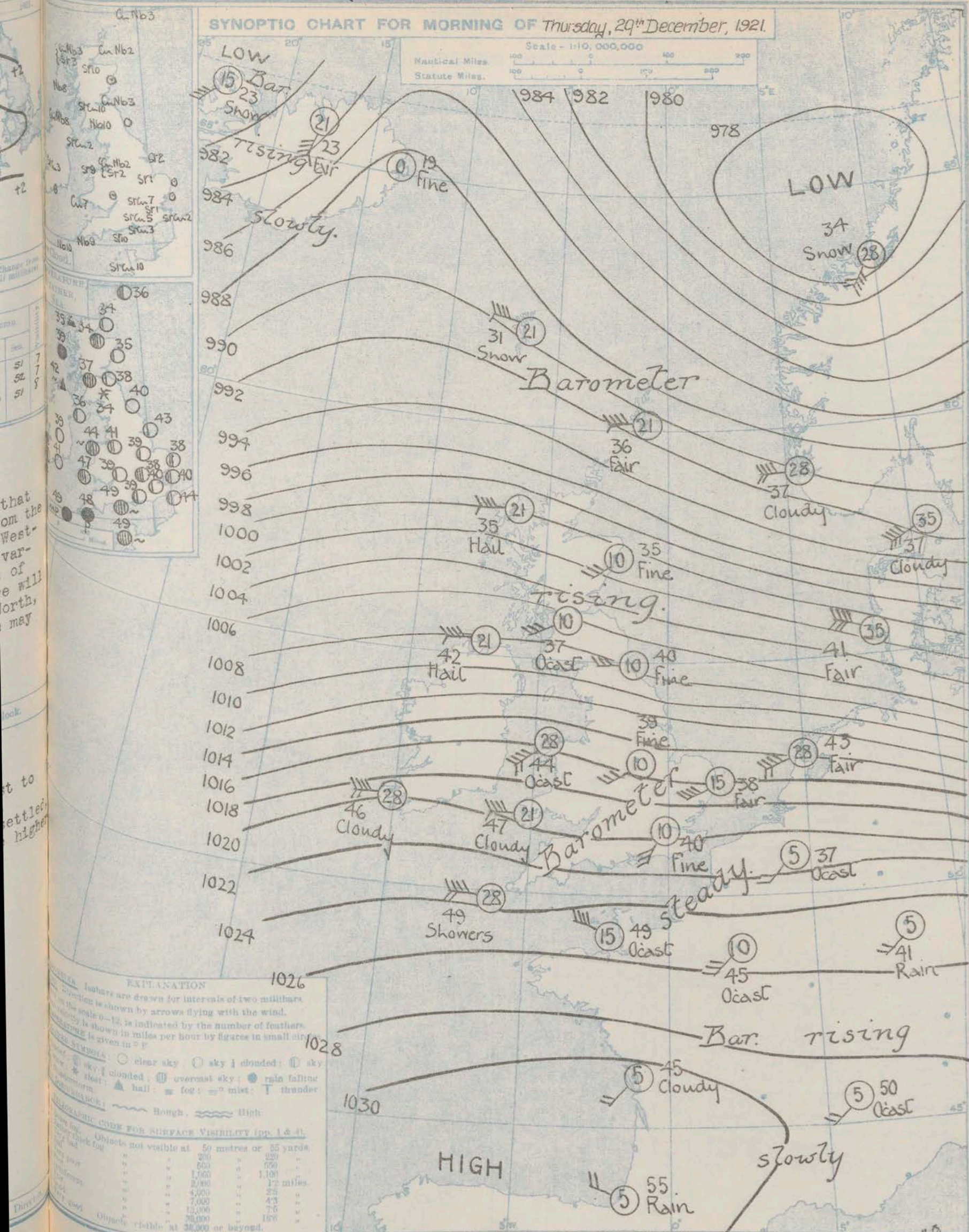
## GENERAL INFERENCE.

It is still probable that depressions will arrive from the Atlantic and maintain the West-erly wind current, with a variable sky and some showers of rain or hail. Temperature will remain rather low in the North, where further snow showers may be expected.

| Districts         | Forecasts for the 24 hours commencing 15h G.M.T. Thursday, 29th December, 1921. |
|-------------------|---------------------------------------------------------------------------------|
| 1. S.E. England   | Wind mainly West, moderate or fresh, stronger locally;                          |
| 2. E. England     | variable sky, some showers probable; visibility good;                           |
| 3. E. Midlands    | temperature rather lower, ground frost at night.                                |
| 4. W. Midlands    |                                                                                 |
| 5. S.W. England   |                                                                                 |
| 6. South Wales    |                                                                                 |
| 7. North Wales    |                                                                                 |
| 8. N.W. England   |                                                                                 |
| 9. N. Midlands    |                                                                                 |
| 10. N.E. England  |                                                                                 |
| 11. E. Scotland   | Wind mainly Westerly, moderate, fresh or strong locally;                        |
| 12. S.W. Scotland | variable sky, some showers of rain, hail or snow; visi-                         |
| 13. Isle of Man   | bility fair or good; frost locally at night.                                    |
| 14. N.&N.W. Scot- |                                                                                 |
| land              |                                                                                 |
| 15. Hebrides      |                                                                                 |
| 16. Orkneys and   |                                                                                 |
| Shetlands         |                                                                                 |
| 17. N.W. Ireland  |                                                                                 |
| 18. N.E. Ireland  |                                                                                 |
| 19. S.E. Ireland  | Same as 2 - 6.                                                                  |
| 20. S.W. Ireland  |                                                                                 |

Further Outlook  
Wind West to South-West.  
Weather unsettled.  
temperature higher







## AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

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BRITISH SECTION Thursday, 29<sup>th</sup> December 1921 No. 363

| STATIONS.               | Observations at 0100 G.M.T. 29 <sup>th</sup> |                   |        |       |          |           |             |                 |                           |        |           |                       |      |                       | Observations at 0700 G.M.T. 29 <sup>th</sup> |        |       |          |           |             |                 |                           |        |           |                  |                 |      |       |       |      |       |       |
|-------------------------|----------------------------------------------|-------------------|--------|-------|----------|-----------|-------------|-----------------|---------------------------|--------|-----------|-----------------------|------|-----------------------|----------------------------------------------|--------|-------|----------|-----------|-------------|-----------------|---------------------------|--------|-----------|------------------|-----------------|------|-------|-------|------|-------|-------|
|                         | Barom. at M.S.L. m.b.                        | Change in 3 Hours | Wind.  |       | Weather. | Temp. °F. | Humidity. % | Visibility. 0-9 | Height of Low Cloud. Feet | Cloud. |           |                       | Sea. | Barom. at M.S.L. m.b. | Change in 3 Hours                            | Wind.  |       | Weather. | Temp. °F. | Humidity. % | Visibility. 0-9 | Height of Low Cloud. Feet | Cloud. |           |                  |                 |      |       |       |      |       |       |
|                         |                                              |                   | Direc. | Force |          |           |             |                 |                           | Form.  | Amt. 0-10 | Total Form. Amt. 0-10 |      |                       |                                              | Direc. | Force |          |           |             |                 |                           | Form.  | Amt. 0-10 | Upper Form. 0-10 | Total Amt. 0-10 |      |       |       |      |       |       |
|                         |                                              |                   |        |       |          |           |             |                 |                           |        |           |                       |      |                       |                                              |        |       |          |           |             |                 |                           |        |           |                  |                 | Low. | Upper | Total | Low. | Upper | Total |
|                         |                                              |                   |        |       |          |           |             |                 |                           |        |           |                       |      |                       |                                              |        |       |          |           |             |                 |                           |        |           |                  |                 |      |       |       |      |       |       |
| Lerwick                 | 985.0                                        | +8                | W      | 5     | b.c.f.   | 32        | 97          | 6               | -                         | 2NB    | 3         | AST                   | 5    | 991.2                 | +5                                           | W      | 5     | b.c.f.   | 32        | 97          | 6               | 5750                      | 2NB    | 3         | AST              | 5               |      |       |       |      |       |       |
| Stornoway               | 997.6                                        | +4                | WNW    | 5     | PH       | 35        | 97          | 5               | 1500                      | 2NB    | 7         | -                     | 7    | 997.4                 | +4                                           | W      | 5     | b.c.f.   | 32        | 97          | 8               | 2500                      | 2NB    | 2         | -                | 2               |      |       |       |      |       |       |
| Wick                    | 993.9                                        | +6                | W      | 7     | CS       | 35        | 97          | 8               | -                         | -      | -         | -                     | -    | 1004.2                | +1                                           | WNW    | 7     | sp.h.    | 39        | 85          | 7               | 1500                      | NB     | 8         | -                | 10              |      |       |       |      |       |       |
| Castlebay               | -                                            | -                 | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                     | -    | 1001.7                | -                                            | WNW    | 2     | sp.h.    | 32        | 97          | 8               | 1500                      | ST.    | 10        | -                | 2               |      |       |       |      |       |       |
| Nairn                   | -                                            | -                 | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                     | -    | 1001.5                | -                                            | SWW    | 3     | b        | 35        | 75          | 8               | -                         | -      | AST       | 2                | 0               |      |       |       |      |       |       |
| Aberdeen                | -                                            | -                 | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                     | -    | -                     | -                                            | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                | -               |      |       |       |      |       |       |
| Malin Head              | 1006.9                                       | +3                | WSW    | 5     | cPH      | 42        | 97          | 8               | 4000                      | 2NB    | 7         | -                     | 7    | 1007.7                | +1                                           | W      | 5     | cPH      | 42        | 97          | 8               | 4000                      | 2NB    | 8         | -                | 8               |      |       |       |      |       |       |
| Renfrew                 | -                                            | -                 | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                     | -    | 1006.7                | +2                                           | WSW    | 3     | c/r      | 37        | 97          | 7               | 4000                      | ST.    | 10        | -                | 3               |      |       |       |      |       |       |
| Inchkeith               | 1009.9                                       | +2                | WSW    | 6     | b        | 39        | 97          | 9               | -                         | ST.    | 1         | -                     | 1    | 1009.6                | +2                                           | WSW    | 5     | b        | 38        | 97          | 9               | -                         | 2NB    | 3         | -                | 10              |      |       |       |      |       |       |
| Beldalemuir             | -                                            | -                 | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                     | -    | 1009.2                | +1                                           | SW     | 4     | c.b.     | 32        | 97          | 3               | 800                       | NB     | 10        | -                | 0               |      |       |       |      |       |       |
| Tynemouth               | 1006.8                                       | +2                | W      | 4     | b        | 40        | 75          | 7               | -                         | -      | -         | -                     | 0    | 1007.5                | +1                                           | W      | 3     | b        | 40        | 85          | 7               | -                         | -      | -         | -                | -               |      |       |       |      |       |       |
| Blackod Point           | -                                            | -                 | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                     | -    | 1012.4                | +1                                           | W      | 1     | b        | 36        | 85          | 8               | 5750                      | ST.    | 2         | AST              | 3               |      |       |       |      |       |       |
| Donaghadee              | -                                            | -                 | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                     | -    | 1016.3                | -                                            | WSW    | 2     | b        | 37        | 97          | 8               | 2500                      | ST.    | 3         | -                | 1               |      |       |       |      |       |       |
| Birr Castle             | -                                            | -                 | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                     | -    | 1015.5                | -1                                           | SW     | 5     | b        | 37        | 97          | 8               | 2500                      | ST.    | 1         | -                | 9               |      |       |       |      |       |       |
| Baldonnell              | 1016.0                                       | +2                | SW     | 5     | c+       | 38        | 85          | 8               | 2500                      | ST.    | 7         | -                     | 7    | 1015.3                | 0                                            | WSW    | 6     | b        | 44        | 85          | 8               | 1500                      | ST.    | 9         | -                | 4               |      |       |       |      |       |       |
| Holyhead                | 1015.2                                       | +2                | W/S    | 6     | b.c.     | -         | -           | 8               | 1500                      | ST.    | 5         | -                     | 5    | 1014.1                | 0                                            | WSW    | 5     | b.c.     | 41        | 75          | 7               | 1500                      | 2NB    | 4         | -                | 5               |      |       |       |      |       |       |
| Liverpool (Bidston)     | -                                            | -                 | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                     | -    | 1014.4                | -1                                           | WSW    | 2     | b.c.     | 40        | 75          | 8               | 1500                      | ST.    | 5         | -                | -               |      |       |       |      |       |       |
| Chester (Shotwick)      | -                                            | -                 | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                     | -    | 1014.4                | -1                                           | WSW    | 2     | b.c.     | 40        | 75          | 8               | 1500                      | ST.    | 5         | -                | -               |      |       |       |      |       |       |
| Howden                  | -                                            | -                 | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                     | -    | 1012.2                | +2                                           | WSW    | 2     | b        | 38        | 75          | 6               | 1500                      | ST.    | 2         | ci               | 3               |      |       |       |      |       |       |
| Spurn Head              | 1010.7                                       | +1                | W      | 6     | b        | 40        | 97          | 7               | -                         | -      | -         | -                     | 0    | 1014.7                | +2                                           | WSW    | 3     | b+       | 37        | 85          | 5               | -                         | -      | AST       | 1                |                 |      |       |       |      |       |       |
| Nottingham              | -                                            | -                 | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                     | -    | 1012.6                | -1                                           | WSW    | 4     | b        | 37        | 85          | 8               | 3500                      | ST.    | 1         | -                | 4               |      |       |       |      |       |       |
| Cranwell                | 1015.3                                       | +3                | WSW    | 5     | b        | 38        | 85          | 8               | -                         | -      | -         | AST                   | 1    | 1016.2                | 0                                            | WSW    | 4     | b.c.     | 38        | 85          | 8               | -                         | -      | -         | AST              | 3               |      |       |       |      |       |       |
| Gorleston               | 1015.1                                       | +2                | W      | 3     | b        | 37        | 85          | 8               | -                         | -      | -         | -                     | 0    | 1016.6                | -1                                           | SW     | 4     | b        | 37        | 85          | 7               | 2500                      | ST.    | 3         | -                | 7               |      |       |       |      |       |       |
| Pulham                  | -                                            | -                 | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                     | -    | 1019.1                | 0                                            | SW     | 4     | c        | 38        | 85          | 8               | -                         | -      | -         | AST              | 8               |      |       |       |      |       |       |
| Felixstowe              | -                                            | -                 | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                     | -    | 1019.1                | 0                                            | SW     | 4     | c        | 38        | 85          | 8               | -                         | -      | -         | AST              | 7               |      |       |       |      |       |       |
| Valencia (Cahirciveen)  | 1020.5                                       | -2                | SW     | 8     | 0        | 44        | 85          | 8               | -                         | -      | -         | -                     | -    | 1021.5                | +3                                           | W      | 6     | c/r      | 46        | 65          | 8               | 2500                      | ST.    | 8         | -                | 0               |      |       |       |      |       |       |
| Roches Point            | -                                            | -                 | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                     | -    | 1021.0                | +1                                           | W      | 3     | b        | 41        | 85          | 8               | -                         | -      | -         | -                | 7               |      |       |       |      |       |       |
| Pembroke (St. Ann's H.) | 1020.8                                       | +3                | W      | 7     | c        | 47        | 75          | 8               | 2500                      | ST.    | 7         | -                     | 7    | 1019.4                | -1                                           | W      | 5     | c        | 47        | 75          | 8               | 2500                      | ST.    | 7         | -                | 1               |      |       |       |      |       |       |
| Ross-on-Wye             | -                                            | -                 | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                     | -    | 1018.7                | -1                                           | SW     | 2     | b        | 39        | 85          | 9               | -                         | -      | -         | -                | 7               |      |       |       |      |       |       |
| Benson                  | -                                            | -                 | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                     | -    | 1018.7                | -1                                           | SW     | 3     | c/r      | 38        | 85          | 8               | -                         | ST.    | 7         | -                | 6               |      |       |       |      |       |       |
| S. Farnborough          | -                                            | -                 | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                     | -    | 1019.4                | -1                                           | WSW    | 4     | b.c.     | 39        | 85          | 8               | 1500                      | ST.    | 5         | AST              | 2               |      |       |       |      |       |       |
| London (Kew Obs.)       | 1020.5                                       | -                 | -      | -     | -        | 40        | -           | -               | -                         | -      | -         | -                     | -    | 1018.9                | -2                                           | SW     | 3     | b+       | 40        | 85          | 8               | 2500                      | ST.    | 1         | -                | 2               |      |       |       |      |       |       |
| Croydon                 | 1019.5                                       | +3                | SW     | 5     | b        | 40        | 75          | 8               | -                         | -      | -         | -                     | 0    | 1019.9                | -1                                           | SW     | 6     | b+       | 41        | 85          | 8               | -                         | -      | -         | AST              | 5               |      |       |       |      |       |       |
| Olaeton-on-Sea          | -                                            | -                 | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                     | -    | 1018.5                | 0                                            | SW     | 3     | b.c.     | 40        | 92          | 8               | -                         | -      | -         | AST              | 5               |      |       |       |      |       |       |
| Shoeburyness            | -                                            | -                 | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                     | -    | 1018.9                | -1                                           | SW     | 3     | b.c.     | 39        | 85          | 7               | -                         | -      | -         | AST              | 7               |      |       |       |      |       |       |
| Grain                   | -                                            | -                 | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                     | -    | 1019.2                | 0                                            | WSW    | 4     | c        | 40        | 75          | 9               | -                         | -      | -         | AST              | 4               |      |       |       |      |       |       |
| Lympne                  | 1011.0                                       | +5                | WNW    | 4     | b        | 36        | 85          | 8               | -                         | -      | -         | -                     | 0    | 1020.1                | -1                                           | WSW    | 4     | b.c.     | 37        | 92          | 7               | 4000                      | ST.    | 2         | AST              | 10              |      |       |       |      |       |       |
| Scilly (St. Mary's)     | 1014.4                                       | +1                | W/N    | 6     | b.c.p.   | 49        | 97          | 8               | 4000                      | 2NB    | 4         | -                     | 4    | 1023.6                | -1                                           | W/N    | 6     | c/r      | 49        | 97          | 8               | 4000                      | NB     | 10        | -                | 9               |      |       |       |      |       |       |
| Falmouth (Pendennis)    | 1025.0                                       | +4                | W      | 4     | c/r      | 46        | 85          | 5               | 4000                      | NB     | 10        | -                     | 10   | 1023.5                | 0                                            | W      | 5     | c/r      | 48        | 75          | 5               | 4000                      | NB     | 9         | -                | 10              |      |       |       |      |       |       |
| Plymouth                | -                                            | -                 | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                     | -    | 1022.4                | 0                                            | WNW    | 3     | c/r      | 48        | 85          | 8               | 1500                      | ST.    | 10        | -                | 10              |      |       |       |      |       |       |
| Portland Bill           | 1021.5                                       | +1                | W/N    | 5     | b        | 50        | 85          | 8               | -                         | -      | -         | ci.                   | 2    | 1020.8                | -2                                           | W/N    | 7     | o+       | 49        | 85          | 8               | 450                       | ST.    | 3         | AST              | 9               |      |       |       |      |       |       |
| Calshot                 | 1022.3                                       | +3                | W      | 3     | b        | 42        | 75          | 8               | -                         | -      | -         | -                     | 0    | 1020.7                | -1                                           | W      | 3     | o+       | 44        | 85          | 8               | 4000                      | ST.    | 3         | -                | 4               |      |       |       |      |       |       |
| Dungeness               | 1020.4                                       | +5                | W      | 5     | b        | 40        | 85          | 8               | -                         | -      | -         | -                     | 0    | 1020.2                | 0                                            | W      | 4     | b.c.     | 44        | 85          | 8               | -                         | -      | -         | AST              | 10              |      |       |       |      |       |       |
| Jersey (Th.)            | 1024.1                                       | +3                | W      | 5     | b        | 48        | 75          | 8               | 4000                      | NB     | 3         | -                     | 3    | 1024.1                | 0                                            | WNW    | 4     | c/r      | 49        | 85          | 8               | 4000                      | ST.    | 10        | -                | 10              |      |       |       |      |       |       |
| Guernsey (H.)           | -                                            | -                 | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                     | -    | -                     | -                                            | -      | -     | -        | -         | -           | -               | -                         | -      | -         | -                | -               |      |       |       |      |       |       |

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 29<sup>th</sup> Dec:

| STATIONS.         | WEATHER.   |             | TEMPERATURE. |                | RAINFALL†      |              | SUNSHINE.                            |              | STATIONS.            | WEATHER.   |             | TEMPERATURE. |                | RAINFALL†      |              | SUNSHINE.                            |     |
|-------------------|------------|-------------|--------------|----------------|----------------|--------------|--------------------------------------|--------------|----------------------|------------|-------------|--------------|----------------|----------------|--------------|--------------------------------------|-----|
|                   | Fore-noon. | After-noon. | Max. Day °F. | Min. Night °F. | Night 11h-12h. | Day 12h-17h. | Sunrise to Sunset 23 <sup>rd</sup> . | hr.          |                      | Fore-noon. | After-noon. | Max. Day °F. | Min. Night °F. | Night 11h-12h. | Day 12h-17h. | Sunrise to Sunset 23 <sup>rd</sup> . | hr. |
|                   |            |             |              |                |                |              |                                      |              |                      |            |             |              |                |                |              |                                      |     |
|                   |            |             |              |                |                |              |                                      |              |                      |            |             |              |                |                |              |                                      |     |
|                   |            |             |              | mm.            | mm.            | hr.          | l.r.                                 | Paignton ... | o.r.p.c              | c.b.c.p    | 55          | 46           | 3              | 2              | 2.3          |                                      |     |
| Banff ...         | b.c.x.c    | b.c.c.os    | 38           | 31             | 0.2            | 0.2          | 1.0                                  |              | Ilfracombe ...       | o.p.b.c    | b.c.c       | 53           | 49             | 5              | 1            | 1.5                                  |     |
| Montrose ...      | c          | c           | 40           | 32             | -              | -            | 2.1                                  |              | Bude ...             | o.p.       | p           | 54           | 46             | 3              | 1            | 2.0                                  |     |
| Llandudno ...     | pc         | h.c.d.c     | 48           | 46             | 10             | 1            | 2.0                                  |              | Penzance ...         | o.r.c.     | b.c.c       | 54           | 51             | 4              | 1            | 2.2                                  |     |
| Golwyn Bay ...    | c.b.c.c    | c.h.c       | 46           | 46             | 7              | 2            | 1.7                                  |              | Torquay ...          | o.r.c.b    | b           | 54           | 52             | 4              | 1            | 2.6                                  |     |
| Rhyl... ..        | q.b.c.p    | r.b.c.p     | 47           | 44             | 9              | 1            | 2.1                                  |              | Weymouth ...         | o.r.p.c    | q.b.c       | 56           | 49             | -              | 1            | 2.0                                  |     |
| Southport ...     | o.p.g.h    | c.h.g.c     | 47           | 45             | 27             | 2            | 1.1                                  |              | Bournemouth ...      | r.o        | b           | 55           | 46             | 1              | 2            | 2.5                                  |     |
| Blackpool ...     | r.o.c.u    | c           | 46           | 44             | 23             | 2            | 0.4                                  |              | Portsmouth (S. thea) | o.r        | b.c         | 55           | 48             | 1              | 2            | 2.3                                  |     |
| Harrogate ...     | c.b.p.     | b.c.b.p     | 43           | 41             | 18             | 2            | 1.6                                  |              | Worthing ...         | o.r        | b.c.b       | 54           | 48             | 1              | 2            | 1.5                                  |     |
| Skegness ...      | r.o.b.u    | u.p.h.b     | 57           | 39             | 2              | 2            | 4.6                                  |              | Brighton ...         | o.p.       | o.c.b       | 54           | 48             | 2              | 1            | 1.4                                  |     |
| Aberystwyth ...   | r.o.c      | b.c.o       | 49           | 45             | 11             | -            | 2.5                                  |              | Eastbourne ...       | d.r        | o.c.b.c     | 56           | 50             | 4              | 2            | 0.8                                  |     |
| Bath ...          | o.p.c.     | c.b.c.p     | 54           | 51             | 2              | 0.3          | 2.8                                  |              | Hastings ...         | o.r        | o.r.c.b     | 54           | 49             | 4              | 2            | 2.6                                  |     |
| Leamington Spa .. | c.r.b.c    | b.c         | 54           | 46             | 4              | 2            | 4.0                                  |              | Folkestone ...       | o          | o           | 54           | 47             | 2              | 2            | 0.5                                  |     |
| Lowestoft ...     | o.r.c      | c.b.g.r     | 58           | 41             | 0.3            | 6            | 2.3                                  |              | Tunbridge Wells ...  | o.r.o      | c.b.c.b     | 55           | 47             | 2              | 2            | 0.8                                  |     |
| Felixstowe ...    | o.r        | b.c.b       | 57           | 45             | -              | 1            | 2.2                                  |              | Ramsgate ...         | o          | o           | 57           | 43             | -              | 2            | 0.3                                  |     |
| Southend ...      | o.p.b.c    | b.c         | 55           | 44             | -              | 1            | 0.3                                  |              | Margate ...          | o          | o           | 57           | 43             | -              | 2            | 0.6                                  |     |
|                   |            |             |              |                |                |              |                                      |              | Deal ...             | q          | o.c.b.c     | 56           | 49             | 4              | 1            |                                      |     |



## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B.21953.

Friday, 30<sup>th</sup> December 1921.

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| Observations at 1200 G.M.T. 29 <sup>th</sup> |                       |                    |       |        |          |           |             |                 |                            |        |      |       |                       |                    | Observations at 1200 G.M.T. 29 <sup>th</sup> |            |          |           |             |                 |                            |        |        |       |                       |                    |        |            |      |      |      |
|----------------------------------------------|-----------------------|--------------------|-------|--------|----------|-----------|-------------|-----------------|----------------------------|--------|------|-------|-----------------------|--------------------|----------------------------------------------|------------|----------|-----------|-------------|-----------------|----------------------------|--------|--------|-------|-----------------------|--------------------|--------|------------|------|------|------|
| STATIONS.                                    | Barom. at M.S.L. m.b. | Change in 3 hours. | Wind. |        | Weather. | Temp. °F. | Humidity %. | Visibility 0-3. | Height of Low Cloud. Feet. | Cloud. |      |       | Barom. at M.S.L. m.b. | Change in 3 hours. | Wind.                                        |            | Weather. | Temp. °F. | Humidity %. | Visibility 0-3. | Height of Low Cloud. Feet. | Cloud. |        |       | Barom. at M.S.L. m.b. | Change in 3 hours. | Wind.  |            |      |      |      |
|                                              |                       |                    | Dir.  | Force. |          |           |             |                 |                            | Form.  | Amt. | Form. |                       |                    | Amt.                                         | Total Amt. |          |           |             |                 |                            | Dir.   | Force. | Form. |                       |                    | Amt.   | Total Amt. |      |      |      |
|                                              |                       |                    |       |        |          |           |             |                 |                            |        |      |       |                       |                    |                                              |            |          |           |             |                 |                            |        |        |       |                       |                    |        |            | 0-10 | 0-10 | 0-10 |
| Lerwick                                      | 99.65                 | +3                 | WNW   | 5      | S        | 32        | 97          | 6               | 2500                       | Nb     | 10   | -     | 10                    | 1002.2             | +8                                           | W          | 5        | bc/s      | 36          | 75              | 6                          | -      | CuNb   | 3     | AS+                   | 5                  | 4      | 1002.2     | +8   | W    | 5    |
| Stornoway                                    | 100.00                | +6                 | WNW   | 4      | ph       | 39        | 65          | 6               | 4000                       | Cu     | 5    | -     | 5                     | 1009.6             | +3                                           | W          | 4        | ph        | 36          | 92              | 6                          | 4000   | Cu     | 5     | -                     | 5                  | 3      | 1009.6     | +3   | W    | 4    |
| Wick                                         | 100.31                | +6                 | W     | 3      | co/s     | 35        | 97          | 8               | 1500                       | CuNb   | 3    | CiCu  | 5                     | 1008.3             | +8                                           | WNW        | 2        | co/s      | 35          | 97              | 8                          | 1500   | CuNb   | 4     | -                     | 4                  | 3      | 1008.3     | +8   | WNW  | 2    |
| Castlebay                                    | 101.23                | +5                 | W     | 6      | bc/s     | 41        | 75          | 8               | 2500                       | CuNb   | 2    | -     | 2                     | 1014.8             | +1                                           | W          | 5        | PH        | 42          | 85              | 7                          | 1500   | St     | 10    | -                     | 10                 | 6      | 1014.8     | +1   | W    | 5    |
| Saibn                                        | 100.62                | +5                 | WNW   | 5      | bc       | 37        | 75          | 8               | -                          | -      | -    | -     | -                     | 1011.5             | +5                                           | W          | 1        | bc/s      | 34          | 85              | 8                          | 2000   | Cu     | 3     | -                     | 3                  | -      | 1011.5     | +5   | W    | 1    |
| Aberdeen                                     | 100.62                | +5                 | WNW   | 5      | bc       | 37        | 75          | 8               | -                          | -      | -    | -     | -                     | 1012.5             | +8                                           | W          | 4        | bc        | 37          | 65              | 8                          | -      | -      | -     | -                     | -                  | 1012.5 | +8         | W    | 4    |      |
| Malin Head                                   | 101.47                | +4                 | W     | 5      | PH       | 42        | 97          | 8               | 4000                       | CuNb   | 8    | -     | 8                     | 1018.1             | +3                                           | W          | 4        | co+       | 43          | 92              | 7                          | 4000   | CuNb   | 0     | -                     | 0                  | 5      | 1018.1     | +3   | W    | 4    |
| Benfrew                                      | 101.52                | +6                 | WSW   | 4      | S        | 36        | 92          | 8               | 1500                       | Nb     | 7    | -     | 7                     | 1018.0             | +9                                           | WSW        | 2        | co/r      | 35          | 97              | 7                          | 2500   | StCu   | 6     | -                     | 6                  | -      | 1018.0     | +9   | WSW  | 2    |
| Inchkeith                                    | 100.77                | +5                 | W     | 5      | bc       | 39        | 92          | 8               | -                          | CuNb   | 2    | Ci    | 4                     | 1014.5             | +7                                           | W          | 5        | bcv       | 38          | 85              | 9                          | -      | -      | -     | -                     | -                  | 1014.5 | +7         | W    | 5    |      |
| Sealemuir                                    | 101.23                | +4                 | WNW   | 6      | bc/s     | 34        | 92          | 8               | 800                        | St     | 1    | Ci    | 2                     | 1019.0             | +8                                           | WNW        | 5        | bc+       | 34          | 85              | 8                          | 1500   | St     | 2     | -                     | 2                  | -      | 1019.0     | +8   | WNW  | 5    |
| Tynemouth                                    | 100.99                | +2                 | W     | 3      | co+      | 40        | 85          | 7               | 5750                       | StCu   | 8    | -     | 8                     | 1017.5             | +8                                           | W          | 3        | bc        | 36          | 85              | 6                          | -      | -      | -     | -                     | -                  | 1017.5 | +8         | W    | 3    |      |
| Blackhead Point                              | 100.36                | +4                 | NW    | 6      | PH       | 45        | 65          | 7               | 4000                       | CuNb   | 6    | -     | 6                     | 1004.9             | +1                                           | W/N        | 6        | pt.       | 46          | 75              | 5                          | 4000   | CuNb   | 4     | -                     | 4                  | 4      | 1004.9     | +1   | W/N  | 6    |
| Donaghadee                                   | 101.69                | +7                 | WNW   | 4      | PRS      | 40        | 85          | 8               | 4000                       | CuNb   | 2    | A.Cu  | 3                     | 1021.6             | +4                                           | WNW        | 3        | bc-       | 38          | 85              | 8                          | -      | -      | -     | -                     | -                  | 1021.6 | +4         | WNW  | 3    |      |
| Birr Castle                                  | 102.28                | -                  | W     | 2      | co+      | 42        | 85          | 8               | 4000                       | StCu   | 7    | -     | 7                     | 1026.2             | -                                            | W          | 1        | co+       | 39          | 92              | 8                          | 450    | St     | 9     | -                     | 9                  | -      | 1026.2     | -    | W    | 1    |
| Baldonnel                                    | 102.14                | +7                 | WSW   | 5      | bc-      | 41        | 75          | 7               | 1500                       | StCu   | 2    | -     | 2                     | 1025.7             | +4                                           | SW/3       | 4        | bc        | 38          | 85              | 7                          | -      | -      | -     | -                     | -                  | 1025.7 | +4         | SW/3 | 4    |      |
| Holyhead                                     | 101.95                | +6                 | WNW   | 7      | co       | 43        | 85          | 8               | 2500                       | Cu     | 8    | -     | 8                     | 1024.2             | +4                                           | NW/W       | 7        | bc        | 44          | 85              | 8                          | 1500   | Cu     | 4     | -                     | 4                  | 6      | 1024.2     | +4   | NW/W | 7    |
| Liverpool (Bidston)                          | 101.63                | +4                 | W     | 8      | co       | 43        | 75          | 8               | 1500                       | CuNb   | 5    | -     | 5                     | 1022.6             | +8                                           | WNW        | 6        | bcv       | 43          | 75              | 9                          | 2500   | CuNb   | 3     | -                     | 3                  | 6      | 1022.6     | +8   | WNW  | 6    |
| Chester (Shotwick)                           | 101.65                | +3                 | WNW   | 6      | co       | 45        | 65          | 8               | 1500                       | St     | 6    | -     | 6                     | 1021.5             | +6                                           | WNW        | 5        | co-       | 43          | 75              | 9                          | 2500   | St     | 7     | -                     | 7                  | -      | 1021.5     | +6   | WNW  | 5    |
| Howles                                       | 101.70                | -2                 | W     | 4      | co+      | 43        | 85          | 7               | 5750                       | StCu   | 5    | AS+   | 7                     | 1021.0             | +6                                           | NW         | 4        | bc-       | 41          | 85              | 9                          | -      | -      | -     | -                     | -                  | 1021.0 | +6         | NW   | 4    |      |
| Sparg Head                                   | 101.70                | -2                 | W     | 4      | co+      | 43        | 85          | 7               | 5750                       | StCu   | 5    | AS+   | 7                     | 1021.0             | +6                                           | NW         | 4        | bc-       | 41          | 85              | 9                          | -      | -      | -     | -                     | -                  | 1021.0 | +6         | NW   | 4    |      |
| Nottingham                                   | 101.60                | -                  | NW    | 4      | co+      | 44        | 75          | 6               | 1500                       | Nb     | 10   | -     | 10                    | 1022.7             | -                                            | NW         | 4        | bc-       | 41          | 75              | 5                          | -      | -      | -     | -                     | -                  | 1022.7 | -          | NW   | 4    |      |
| Gravelly                                     | 101.60                | -                  | NW    | 4      | co+      | 44        | 75          | 6               | 1500                       | Nb     | 10   | -     | 10                    | 1022.7             | -                                            | NW         | 4        | bc-       | 41          | 75              | 5                          | -      | -      | -     | -                     | -                  | 1022.7 | -          | NW   | 4    |      |
| Carlton                                      | 101.60                | -                  | NW    | 4      | co+      | 44        | 75          | 6               | 1500                       | Nb     | 10   | -     | 10                    | 1022.7             | -                                            | NW         | 4        | bc-       | 41          | 75              | 5                          | -      | -      | -     | -                     | -                  | 1022.7 | -          | NW   | 4    |      |
| Pulham                                       | 101.60                | -                  | NW    | 4      | co+      | 44        | 75          | 6               | 1500                       | Nb     | 10   | -     | 10                    | 1022.7             | -                                            | NW         | 4        | bc-       | 41          | 75              | 5                          | -      | -      | -     | -                     | -                  | 1022.7 | -          | NW   | 4    |      |
| Pelham                                       | 101.60                | -                  | NW    | 4      | co+      | 44        | 75          | 6               | 1500                       | Nb     | 10   | -     | 10                    | 1022.7             | -                                            | NW         | 4        | bc-       | 41          | 75              | 5                          | -      | -      | -     | -                     | -                  | 1022.7 | -          | NW   | 4    |      |
| Pelham                                       | 101.60                | -                  | NW    | 4      | co+      | 44        | 75          | 6               | 1500                       | Nb     | 10   | -     | 10                    | 1022.7             | -                                            | NW         | 4        | bc-       | 41          | 75              | 5                          | -      | -      | -     | -                     | -                  | 1022.7 | -          | NW   | 4    |      |
| Pelham                                       | 101.60                | -                  | NW    | 4      | co+      | 44        | 75          | 6               | 1500                       | Nb     | 10   | -     | 10                    | 1022.7             | -                                            | NW         | 4        | bc-       | 41          | 75              | 5                          | -      | -      | -     | -                     | -                  | 1022.7 | -          | NW   | 4    |      |
| Pelham                                       | 101.60                | -                  | NW    | 4      | co+      | 44        | 75          | 6               | 1500                       | Nb     | 10   | -     | 10                    | 1022.7             | -                                            | NW         | 4        | bc-       | 41          | 75              | 5                          | -      | -      | -     | -                     | -                  | 1022.7 | -          | NW   | 4    |      |
| Pelham                                       | 101.60                | -                  | NW    | 4      | co+      | 44        | 75          | 6               | 1500                       | Nb     | 10   | -     | 10                    | 1022.7             | -                                            | NW         | 4        | bc-       | 41          | 75              | 5                          | -      | -      | -     | -                     | -                  | 1022.7 | -          | NW   | 4    |      |
| Pelham                                       | 101.60                | -                  | NW    | 4      | co+      | 44        | 75          | 6               | 1500                       | Nb     | 10   | -     | 10                    | 1022.7             | -                                            | NW         | 4        | bc-       | 41          | 75              | 5                          | -      | -      | -     | -                     | -                  | 1022.7 | -          | NW   | 4    |      |
| Pelham                                       | 101.60                | -                  | NW    | 4      | co+      | 44        | 75          | 6               | 1500                       | Nb     | 10   | -     | 10                    | 1022.7             | -                                            | NW         | 4        | bc-       | 41          | 75              | 5                          | -      | -      | -     | -                     | -                  | 1022.7 | -          | NW   | 4    |      |
| Pelham                                       | 101.60                | -                  | NW    | 4      | co+      | 44        | 75          | 6               | 1500                       | Nb     | 10   | -     | 10                    | 1022.7             | -                                            | NW         | 4        | bc-       | 41          | 75              | 5                          | -      | -      | -     | -                     | -                  | 1022.7 | -          | NW   | 4    |      |
| Pelham                                       | 101.60                | -                  | NW    | 4      | co+      | 44        | 75          | 6               | 1500                       | Nb     | 10   | -     | 10                    | 1022.7             | -                                            | NW         | 4        | bc-       | 41          | 75              | 5                          | -      | -      | -     | -                     | -                  | 1022.7 | -          | NW   | 4    |      |
| Pelham                                       | 101.60                | -                  | NW    | 4      | co+      | 44        | 75          | 6               | 1500                       | Nb     | 10   | -     | 10                    | 1022.7             | -                                            | NW         | 4        | bc-       | 41          | 75              | 5                          | -      | -      | -     | -                     | -                  | 1022.7 | -          | NW   | 4    |      |
| Pelham                                       | 101.60                | -                  | NW    | 4      | co+      | 44        | 75          | 6               | 1500                       | Nb     | 10   | -     | 10                    | 1022.7             | -                                            | NW         | 4        | bc-       | 41          | 75              | 5                          | -      | -      | -     | -                     | -                  | 1022.7 | -          | NW   | 4    |      |
| Pelham                                       | 101.60                | -                  | NW    | 4      | co+      | 44        | 75          | 6               | 1500                       | Nb     | 10   | -     | 10                    | 1022.7             | -                                            | NW         | 4        | bc-       | 41          | 75              | 5                          | -      | -      | -     | -                     | -                  | 1022.7 | -          | NW   | 4    |      |
| Pelham                                       | 101.60                | -                  | NW    | 4      | co+      | 44        | 75          | 6               | 1500                       | Nb     | 10   | -     | 10                    | 1022.7             | -                                            | NW         | 4        | bc-       | 41          | 75              | 5                          | -      | -      | -     | -                     | -                  | 1022.7 | -          | NW   | 4    |      |
| Pelham                                       | 101.60                | -                  | NW    | 4      | co+      | 44        | 75          | 6               | 1500                       | Nb     | 10   | -     | 10                    | 1022.7             | -                                            | NW         | 4        | bc-       | 41          | 75              | 5                          | -      | -      | -     | -                     | -                  | 1022.7 | -          | NW   | 4    |      |
| Pelham                                       | 101.60                | -                  | NW    | 4      | co+      | 44        | 75          | 6               | 1500                       | Nb     | 10   | -     | 10                    | 1022.7             | -                                            | NW         | 4        | bc-       | 41          | 75              | 5                          | -      | -      | -     | -                     | -                  | 1022.7 | -          | NW   | 4    |      |
| Pelham                                       | 101.60                | -                  | NW    | 4      | co+      | 44        | 75          | 6               | 1500                       | Nb     | 10   | -     | 10                    | 1022.7             | -                                            | NW         | 4        | bc-       | 41          | 75              | 5                          | -      | -      | -     | -                     | -                  | 1022.7 | -          | NW   | 4    |      |
| Pelham                                       | 101.60                | -                  | NW    | 4      | co+      | 44        | 75          | 6               | 1500                       | Nb     | 10   | -     | 10                    | 1022.7             | -                                            | NW         | 4        | bc-       | 41          | 75              | 5                          | -      | -      | -     | -                     | -                  | 1022.7 | -          | NW   | 4    |      |
| Pelham                                       | 101.60                | -                  | NW    | 4      | co+      | 44        | 75          | 6               | 1500                       | Nb     | 10   | -     | 10                    | 1022.7             | -                                            | NW         | 4        | bc-       | 41          | 75              | 5                          | -      | -      | -     | -                     | -                  | 1022.7 | -          | NW   | 4    |      |
| Pelham                                       | 101.60                | -                  | NW    | 4      | co+      | 44        | 75          | 6               | 1500                       | Nb     | 10   | -     | 10                    | 1022.7             | -                                            | NW         | 4        | bc-       | 41          | 75              | 5                          | -      | -      | -     | -                     | -                  | 1022.7 | -          | NW   | 4    |      |
| Pelham                                       | 101.60                | -                  | NW    |        |          |           |             |                 |                            |        |      |       |                       |                    |                                              |            |          |           |             |                 |                            |        |        |       |                       |                    |        |            |      |      |      |

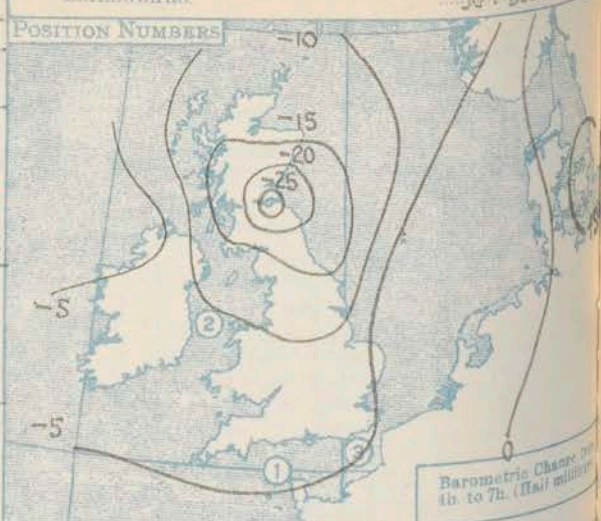


## SUMMARIES FOR THE PAST 24 HOURS

## ISALOBARS

30th Dec.

| STATIONS                | WEATHER |         |         |       | TEMPERATURE |            |               | RAINFALL   |              |                     |                     | SUN.  |
|-------------------------|---------|---------|---------|-------|-------------|------------|---------------|------------|--------------|---------------------|---------------------|-------|
|                         | 7h-12h  | 12h-12h | 12h-24h | 1h-7h | MAX. Day    | MIN. Night | MIN. on GRASS | Day 7h-12h | Night 12h-7h | Precipitation began | Precipitation ended | Hours |
| Lerwick                 | 3013    | 3013    | 3013    | 3013  | 38          | 34         |               | 4          | 11           | <0800               | 2100                | 1.0   |
| Stornoway               | p       | p       | 0.0     | ford  | 37          | 35         |               | 6          | 11           | <0800               | 2100                | 1.0   |
| Wick                    | cishg   | 3013    | c/r     | ord   | 37          | 34         |               | 2          | 3            | <0800               | 2100                | 0.6   |
| Castlebay               | rhpb    | bhp     | hp.c dp | prop  | 43          | 42         |               | 1          | 4            | <2100               | 2100                | 0.6   |
| Nairn                   | 3013    | 3013    | 3013    | 3013  | 36          | 37         |               | 2          | 2            | 1100                | -                   | 1.3   |
| Aberdeen                | borbe   | bg      | bg      | bg    | 38          | 35         | 30            | -          | -            | -                   | -                   | 4.6   |
| Malin Head              | cq p    | cq p    | rofo    | rofo  | 43          | 34         |               | 1          | 6            | <0800               | 2100                | 1.1   |
| Reafrew                 | 3013    | 3013    | 3013    | 3013  | 39          | 34         | 30            | 4          | 10           | <0800               | 2100                | 1.5   |
| Inchkeith               | borbe   | borbe   | c       | ford  | 40          | 31         | 33            | trace      | 2            | -                   | 330                 | 0     |
| Esdalemuir              | 3013    | 3013    | 3013    | 3013  | 35          | 31         | 29            | 11         | 14           | <0800               | 2400                | 2.2   |
| Tynemouth               | mq      | mq      | comq    | mq    | 41          | 36         |               | -          | 0.4          | -                   | 3.30                | 0     |
| Blacksed Point          | horth   | p       | omq     | irmq  | 42          | 37         |               | 1          | 4            | <0800               | 1.30                | 0     |
| Donsghadee              | 3013    | 3013    | 3013    | 3013  | 42          | 38         | 32            | 1          | 0.6          | <0800               | 2100                | 2.2   |
| Birr Castle             | c       | c       | omq     | irmq  | 42          | 38         | 32            | 0.3        | 0.6          | <0800               | 2100                | 5.2   |
| Baldonnell              | 3013    | 3013    | 3013    | 3013  | 41          | 37         | 31            | 0.1        | 2            | 0900                | 2100                | 3.2   |
| Holyhead                | c       | c       | omq     | irmq  | 44          | 43         | 39            | 0.6        | 5            | 0900                | 2100                | 1.2   |
| Liverpool (Bidston)     | horth   | p       | ord     | ord   | 50          | 40         | 36            | 1          | 4            | 1430                | 230                 | 0     |
| Chester (Shutwick)      | p       | phq     | cbocq   | cbocq | 45          | 39         |               | 0.1        | 3            | <0800               | 1.30                | 0     |
| Howden                  | 3013    | 3013    | 3013    | 3013  | 42          | 38         |               | -          | 1            | -                   | 5.30                | 3.1   |
| Spurn Head              | borbe   | borbe   | borbe   | p     | 42          | 38         | 33            | -          | 3            | -                   | 3.30                | 2.5   |
| Nottingham              | c       | c       | c/r     | c/r   | 44          | 36         | 31            | 1          | 3            | 1230                | 3.30                | 3.6   |
| Cranwell                | c       | prh     | o-o     | o-o   | 43          | 35         | 32            | 0.1        | 0.3          | 1230                | 6.30                | 3.7   |
| Gorleston               | c       | kgpb    | borbe   | borbe | 43          | 35         | 32            | 0.1        | 1            | 1530                | 6.30                | 3.3   |
| Pulham                  | bbe     | c       | ford    | ford  | 43          | 34         | 31            | -          | 2            | -                   | 5.30                | 2.7   |
| Felixstowe              | bbe     | p       | ford    | ford  | 44          | 37         | 32            | 0.6        | 2            | 1630                | 5.30                | 2.7   |
| Valencia (Cahirciveen)  | ephbe   | beb     | o       | opq   | 48          | 48         | 42            | 1          | 1            | 0900                | 2400                | 2.0   |
| Roches Point            | c/p     | borbe   | p       | p     | 45          | 41         |               | 0.3        | 1            | <0800               | 2400                | 3.9   |
| Pembroke (St. Ann's H.) | c/p     | c       | c       | agdm  | 47          | 45         |               | -          | 2            | -                   | 3.30                | 4.7   |
| Boss-on-Wye             | ephbe   | beb     | o       | opq   | 45          | 37         | 30            | Trace      | 0.4          | 0900                | 3.30                | 2.9   |
| Benson                  | c       | c       | c       | ford  | 45          | 34         | 24            | -          | 0.2          | -                   | 3.30                | 2.9   |
| S. Farnborough          | c       | c       | c       | ford  | 47          | 34         | 29            | -          | Trace        | -                   | 3.30                | 2.4   |
| London (Kew Obsy.)      | ebbe    | beb     | o       | opq   | 46          | 38         | 30            | -          | 1            | -                   | 4.30                | 2.3   |
| Croydon                 | bocqz   | cbnz    | cbnz    | cbnz  | 46          | 36         | 31            | -          | 1            | -                   | 4.30                | 1.7   |
| Clacton-on-Sea          | borbe   | borbe   | borbe   | borbe | 44          | 36         | 31            | 0.8        | 1            | 1530                | 4.30                | 1.9   |
| Shoeburyness            | borbe   | borbe   | borbe   | borbe | 44          | 36         | 32            | -          | 1            | -                   | 5.30                | 1.0   |
| Grain                   | c       | borbe   | borbe   | borbe | 45          | 35         | 30            | -          | 1            | -                   | 5.30                | 1.0   |
| Tympne                  | oc      | oc      | oc      | oc    | 44          | 35         | 29            | -          | 2            | -                   | 4.30                | 1.0   |
| Scilly (St. Mary's)     | p       | cq p    | borbe   | ford  | 50          | 46         |               | 4          | Trace        | <0800               | 6.30                | 2.1   |
| Falmouth (Pendennis)    | mqbbe   | beb     | b       | comdq | 48          | 44         |               | 3          | 1            | <0800               | 3.30                | 3.9   |
| Plymouth                | p       | borbe   | borbe   | borbe | 48          | 47         |               | 2          | 0.6          | <0800               | -                   | 3.3   |
| Portland Bill           | c       | borbe   | o-o     | p     | 53          | 44         |               | -          | 0.2          | -                   | 4.30                | 2.7   |
| Calshot                 | c       | borbe   | o-o     | ford  | 47          | 37         | 35            | Trace      | 0.1          | <0800               | 6.30                | 0.8   |
| Dungeness               | c       | borbe   | borbe   | borbe | 47          | 35         |               | Trace      | 1            | <0800               | 6.30                | 0.8   |
| Jersey                  | gpaik   | gpaik   | b       | b     | 50          | 42         |               | 6          | -            | 0900                | 6.30                | 0.8   |



## Observations from Cross Channel Steamers

| Position | Date and Time | Steamship | Wind |       | Weather | Temp |     |
|----------|---------------|-----------|------|-------|---------|------|-----|
|          |               |           | Dir. | Force |         | Air  | Sea |
| 3        | 29th 0200     | Brighton  | WNW  | 6     | bc      | 49   | 51  |
| 2        | " 1000        | Anglia    | W    | 6     | b       | 41   | 50  |
| 3        | 30th 0300     | Arundel   | NW   | 5     | ct      | 47   | 50  |

## GENERAL INFERENCE.

A very deep depression over Scotland and to the Northward will cause strong winds or gales from South-West to West very generally, with occasional rain and a high temperature. Generally mild and unsettled weather appears likely for some days.

## Districts

Forecasts for the 24 hours commencing 15h.G.M.T. Friday, 30th December, 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
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

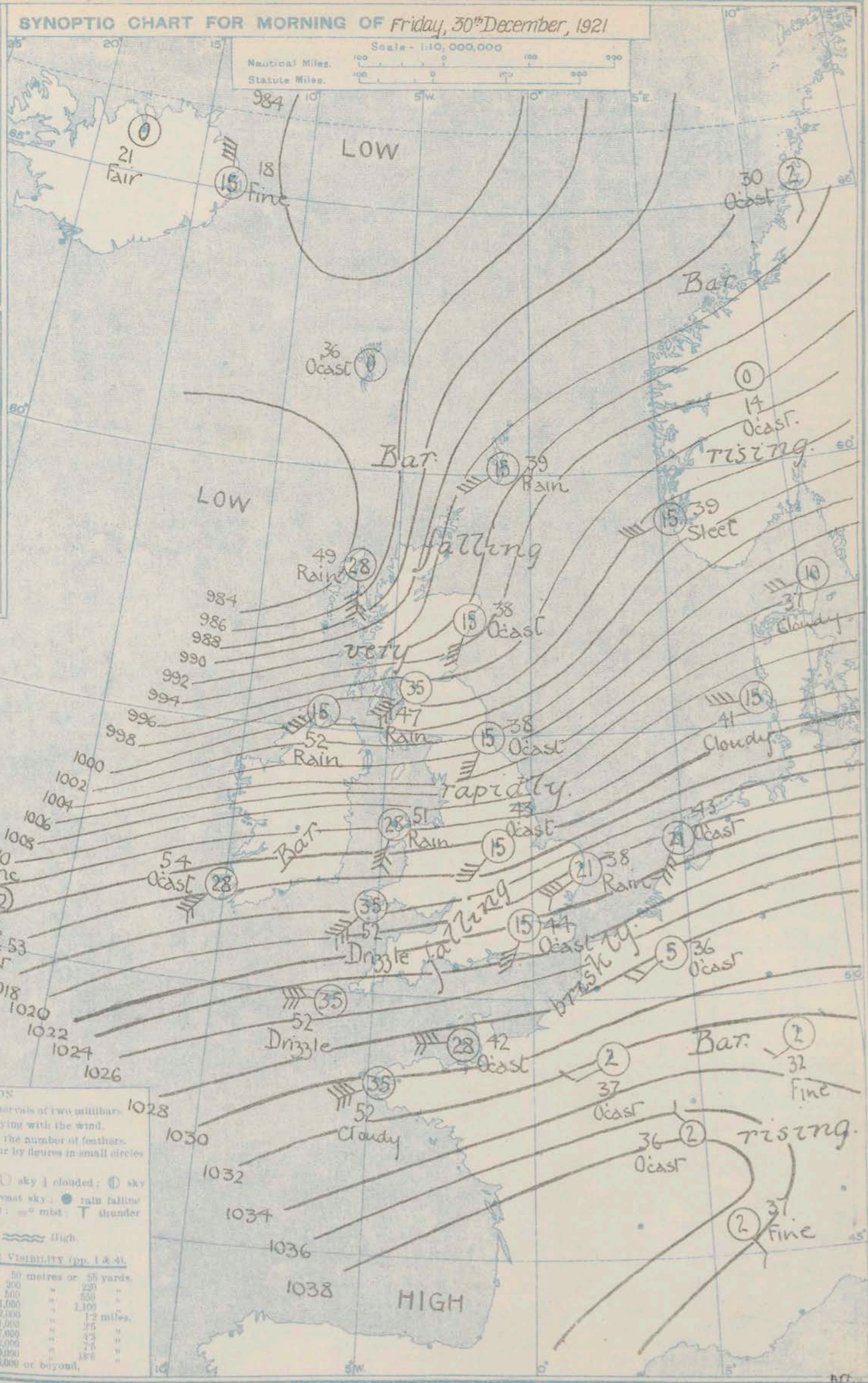
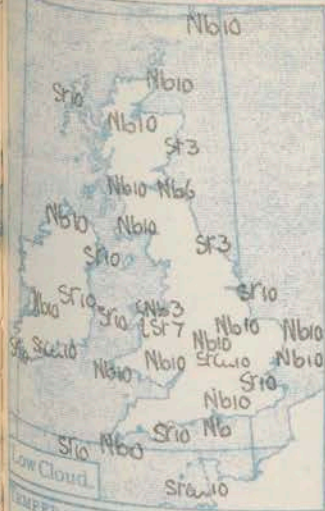
Wind South-Westerly, veering later to West or North-West, strong generally, a gale at sea and in exposed places inland; much low cloud, occasional rain, improving later. Temperature high, then falling somewhat. Visibility mainly fair.

Continuing unsettled with Westerly winds.  
Gale Warnings issued to all coasts this morning.



# SYNOPTIC CHART FOR MORNING OF Friday, 30<sup>th</sup> December, 1921

Scale - 1:10,000,000  
Nautical Miles. 100 0 100 200  
Statute Miles. 160 0 160 320



EXPLANATION

Isobars are drawn for intervals of two millibars.

Direction is shown by arrows flying with the wind.

Mean velocity is shown by the number of feathers.

Temperature is shown in miles per hour by figures in small circles.

TEMPERATURE is given in °F

WEATHER SYMBOLS: ○ clear sky, ○ sky & clouded, ○ sky & rain, ○ sky & snow, ○ sky & sleet, ○ overcast sky, ● rain falling, ○ thunder, ○ hail, ○ fog, ○ mist, T thunder

SEA DISTANCE: ~~~~~ Rough ~~~~~ High

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

| Objects not visible at | 50 metres or 50 yards. | 100 metres or 100 yards. | 200 metres or 200 yards. | 400 metres or 400 yards. | 1,000 metres or 1,000 yards. | 2,000 metres or 2,000 yards. | 4,000 metres or 4,000 yards. | 7,000 metres or 7,000 yards. | 12,000 metres or 12,000 yards. | 20,000 metres or 20,000 yards. | 30,000 metres or 30,000 yards. | 40,000 metres or 40,000 yards. | 50,000 metres or 50,000 yards. | 60,000 metres or 60,000 yards. | 70,000 metres or 70,000 yards. | 80,000 metres or 80,000 yards. | 90,000 metres or 90,000 yards. | 100,000 metres or 100,000 yards. |
|------------------------|------------------------|--------------------------|--------------------------|--------------------------|------------------------------|------------------------------|------------------------------|------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------------------------------|
| 1. Dense fog.          |                        |                          |                          |                          |                              |                              |                              |                              |                                |                                |                                |                                |                                |                                |                                |                                |                                |                                  |
| 2. Rather thick fog.   |                        |                          |                          |                          |                              |                              |                              |                              |                                |                                |                                |                                |                                |                                |                                |                                |                                |                                  |
| 3. Very thick fog.     |                        |                          |                          |                          |                              |                              |                              |                              |                                |                                |                                |                                |                                |                                |                                |                                |                                |                                  |
| 4. Bad.                |                        |                          |                          |                          |                              |                              |                              |                              |                                |                                |                                |                                |                                |                                |                                |                                |                                |                                  |
| 5. Very poor.          |                        |                          |                          |                          |                              |                              |                              |                              |                                |                                |                                |                                |                                |                                |                                |                                |                                |                                  |
| 6. Poor.               |                        |                          |                          |                          |                              |                              |                              |                              |                                |                                |                                |                                |                                |                                |                                |                                |                                |                                  |
| 7. Indifferent.        |                        |                          |                          |                          |                              |                              |                              |                              |                                |                                |                                |                                |                                |                                |                                |                                |                                |                                  |
| 8. Fair.               |                        |                          |                          |                          |                              |                              |                              |                              |                                |                                |                                |                                |                                |                                |                                |                                |                                |                                  |
| 9. Good.               |                        |                          |                          |                          |                              |                              |                              |                              |                                |                                |                                |                                |                                |                                |                                |                                |                                |                                  |
| 10. Very good.         |                        |                          |                          |                          |                              |                              |                              |                              |                                |                                |                                |                                |                                |                                |                                |                                |                                |                                  |

Objects visible at 30,000 or beyond.



## AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4.

BRITISH SECTION Friday, 30<sup>th</sup> December 1921.

No. 364.

| STATIONS.               | Observations at 0100 G.M.T. 30 <sup>th</sup> |                    |        |       |          |           |            |                |                           |        |      |       |                        | Observations at 0700 G.M.T. 30 <sup>th</sup> |       |       |          |           |            |                |                           |        |            |      |    |    |
|-------------------------|----------------------------------------------|--------------------|--------|-------|----------|-----------|------------|----------------|---------------------------|--------|------|-------|------------------------|----------------------------------------------|-------|-------|----------|-----------|------------|----------------|---------------------------|--------|------------|------|----|----|
|                         | Barom. at M.S.L. in h.                       | Change in 3 Hours. | Wind.  |       | Weather. | Temp. °F. | Humidity % | Visibility 0-8 | Height of Low Cloud. Feet | Cloud. |      |       | Barom. at M.S.L. in h. | Change in 3 Hours.                           | Wind. |       | Weather. | Temp. °F. | Humidity % | Visibility 0-8 | Height of Low Cloud. Feet | Cloud. |            |      |    |    |
|                         |                                              |                    | Dirac. | Force |          |           |            |                |                           | Form.  | Amt. | Form. |                        |                                              | Amt.  | Form. |          |           |            |                |                           | Amt.   | Total Amt. |      |    |    |
|                         |                                              |                    |        |       |          |           |            |                |                           |        |      |       |                        |                                              |       |       |          |           |            |                |                           |        |            |      |    |    |
| Lerwick                 | 1001.8                                       | -3                 | W      | 4     | b.c.f.s  | 26        | 85         | 7              | -                         | -      | -    | 9.51  | 5                      | -                                            | WSW   | 4     | off      | 39        | 97         | 6              | 2500                      | Nb     | 10         | -    | 10 |    |
| Stornoway               | 1007.3                                       | -5                 | SSW    | 4     | b        | 35        | 92         | 4              | -                         | -      | -    | -     | 984.3                  | -3                                           | S     | 6     | off      | 49        | 97         | 5              | 450                       | St.    | 10         | -    | 10 |    |
| Wick                    | 1005.2                                       | -3                 | SW     | 3     | b.c.f.s  | 35        | 92         | 9              | 800                       | St.    | 2    | 9.51  | 4                      | -                                            | WSW   | 8     | pro      | 52        | 65         | 6              | 1500                      | St.    | 10         | -    | 10 |    |
| Castellbay              |                                              |                    |        |       |          |           |            |                |                           |        |      |       | 990.9                  | -9                                           | WSW   | 8     | pro      | 52        | 65         | 6              | 1500                      | St.    | 10         | -    | 10 |    |
| Nairn                   |                                              |                    |        |       |          |           |            |                |                           |        |      |       | 992.0                  | -9                                           | WNW   | 2     | off      | 38        | 92         | 8              | 2500                      | Nb     | 10         | -    | 10 |    |
| Aberdeen                |                                              |                    |        |       |          |           |            |                |                           |        |      |       | 992.7                  | -17                                          | SSW   | 4     | off      | 38        | 92         | 7              | 2500                      | St.    | 3          | 9.51 | 9  |    |
| Malin Head              | 1011.9                                       | -9                 | SW     | 3     | off      | 41        | 97         | 8              | 4000                      | Nb     | 10   | -     | 10                     | -                                            | SW    | 4     | off      | 52        | 92         | 7              | 4000                      | Nb     | 10         | -    | 10 |    |
| Renfrew                 | *                                            | *                  | *      | *     | *        | *         | *          | *              | *                         | *      | *    | *     | *                      | 998.8                                        | -16   | SW    | 7        | off       | 47         | 97             | 6                         | 2500   | Nb         | 10   | -  | 10 |
| Inchkeith               | 1012.8                                       | -3                 | SSW    | 5     | off      | 42        | 97         | 9              | -                         | St.    | 3    | 9.51  | 9                      | -                                            | SW    | 4     | off      | 47        | 97         | 9              | -                         | Nb     | 6          | -    | 10 |    |
| Rahdalemuir             | *                                            | *                  | *      | *     | *        | *         | *          | *              | *                         | *      | *    | *     | *                      | 1001.9                                       | -14   | SW/S  | 6        | off       | 43         | 97             | 5                         | 800    | Nb         | 10   | -  | 10 |
| Tynemouth               | 1012.4                                       | -1                 | WSW    | 3     | off      | 40        | 85         | 6              | -                         | -      | -    | 9.51  | 10                     | -                                            | S     | 4     | off      | 39        | 85         | 6              | 4000                      | St.    | 3          | 9.51 | 10 |    |
| Blackhead Point         |                                              |                    |        |       |          |           |            |                |                           |        |      |       | 1002.0                 | -12                                          | SW    | 4     | off      | 52        | 85         | 8              | 4000                      | St.    | 10         | -    | 10 |    |
| Donaghadee              |                                              |                    |        |       |          |           |            |                |                           |        |      |       | 1010.1                 | -10                                          | WSW   | 5     | off      | 53        | 92         | 3              | 800                       | Nb     | 10         | -    | 10 |    |
| Birr Castle             |                                              |                    |        |       |          |           |            |                |                           |        |      |       | 1009.1                 | -9                                           | SW    | 7     | off      | 52        | 85         | 7              | 1500                      | St.    | 10         | -    | 10 |    |
| Baldonell               | 1021.1                                       | -10                | SSW    | 6     | off      | 41        | 85         | 6              | 1500                      | St.    | 10   | -     | 10                     | -                                            | SSW   | 6     | off      | 51        | 97         | 7              | 800                       | St.    | 10         | -    | 10 |    |
| Holyhead                | 1022.3                                       | -5                 | SW     | 6     | off      | 41        | 85         | 7              | 800                       | St.    | 10   | -     | 10                     | -                                            | SSW   | 6     | off      | 51        | 97         | 7              | 800                       | St.    | 10         | -    | 10 |    |
| Liverpool (Bishopstow)  |                                              |                    |        |       |          |           |            |                |                           |        |      |       | 1010.6                 | -11                                          | SW/W  | 6     | off      | 49        | 85         | 7              | 1500                      | Nb     | 10         | -    | 10 |    |
| Chester (Bishopstow)    |                                              |                    |        |       |          |           |            |                |                           |        |      |       | 1011.1                 | -9                                           | W     | 4     | off      | 50        | 85         | 8              | 450                       | St.    | 10         | -    | 10 |    |
| Howden                  |                                              |                    |        |       |          |           |            |                |                           |        |      |       | 1011.3                 | -3                                           | S     | 7     | off      | 41        | 75         | 9              | 1500                      | St.    | 10         | -    | 10 |    |
| Spurn Head              | 1023.1                                       | +1                 | W      | 5     | off      | 39        | 92         | 6              | 450                       | St.    | 10   | -     | 10                     | -                                            | SW    | 4     | off      | 43        | 92         | 5              | 1500                      | Nb     | 10         | -    | 10 |    |
| Nottingham              |                                              |                    |        |       |          |           |            |                |                           |        |      |       | 1015.8                 | -4                                           | SSW   | 7     | off      | 41        | 97         | 8              | 1500                      | Nb     | 10         | -    | 10 |    |
| Grimsby                 | 1025.6                                       | +1                 | SW     | 4     | off      | 36        | 97         | 7              | 2500                      | St.    | 10   | -     | 10                     | -                                            | SSW   | 7     | off      | 41        | 97         | 8              | 1500                      | Nb     | 10         | -    | 10 |    |
| Gorleston               | 1025.5                                       | +2                 | WNW    | 4     | b        | 35        | 92         | 8              | -                         | -      | -    | -     | 0                      | -                                            | WSW   | 5     | off      | 38        | 92         | 7              | 4500                      | Nb     | 10         | -    | 10 |    |
| Palham                  |                                              |                    |        |       |          |           |            |                |                           |        |      |       | 1020.7                 | -5                                           | SW    | 5     | off      | 38        | 97         | 5              | 1500                      | Nb     | 10         | -    | 10 |    |
| Felixstowe              |                                              |                    |        |       |          |           |            |                |                           |        |      |       | 1022.9                 | -6                                           | SW    | 4     | off      | 40        | 97         | 7              | 800                       | Nb     | 10         | -    | 10 |    |
| Valencia (Chirelvean)   | 1020.9                                       | -9                 | SW     | 4     | off      | 50        | 97         | 4              | -                         | -      | -    | -     | 0                      | -                                            | SW    | 6     | off      | 54        | 85         | 8              | 800                       | St.    | 10         | -    | 10 |    |
| Reches Point            |                                              |                    |        |       |          |           |            |                |                           |        |      |       | 1017.0                 | -7                                           | WSW   | 5     | off      | 53        | 85         | 8              | 1500                      | St.    | 10         | -    | 10 |    |
| Pembroke (St. Ann's H.) | 1028.3                                       | -2                 | W      | 4     | off      | 49        | 75         | 9              | 2500                      | St.    | 10   | -     | 10                     | -                                            | SW    | 7     | off      | 52        | 92         | 7              | 450                       | Nb     | 10         | -    | 10 |    |
| Ross-on-Wye             |                                              |                    |        |       |          |           |            |                |                           |        |      |       | 1028.5                 | -5                                           | WSW   | 4     | off      | 45        | 97         | 7              | 1500                      | Nb     | 10         | -    | 10 |    |
| Benson                  |                                              |                    |        |       |          |           |            |                |                           |        |      |       | 1029.6                 | -9                                           | SW    | 4     | off      | 45        | 85         | 8              | -                         | St.    | 10         | -    | 10 |    |
| S. Farnborough          |                                              |                    |        |       |          |           |            |                |                           |        |      |       | 1023.3                 | -9                                           | WSW   | 7     | off      | 47        | 85         | 8              | 1500                      | Nb     | 10         | -    | 10 |    |
| London (Kew Obs.)       |                                              |                    |        |       |          |           |            |                |                           |        |      |       | 1021.3                 | -8                                           | SSW   | 4     | off      | 44        | 85         | 8              | 1500                      | St.    | 10         | -    | 10 |    |
| Croydon                 | 1019.8                                       | +2                 | W      | 4     | off      | 38        | 85         | 7              | 4000                      | St.    | 10   | -     | 10                     | -                                            | SW    | 4     | off      | 43        | 85         | 7              | 1500                      | St.    | 10         | -    | 10 |    |
| Clacton-on-Sea          |                                              |                    |        |       |          |           |            |                |                           |        |      |       | 1023.8                 | -6                                           | W     | 4     | off      | 40        | 97         | 7              | 1500                      | St.    | 10         | -    | 10 |    |
| Sheeburyness            |                                              |                    |        |       |          |           |            |                |                           |        |      |       | 1023.1                 | -5                                           | SW    | 4     | off      | 42        | 92         | 7              | 1500                      | St.    | 10         | -    | 10 |    |
| Grain                   |                                              |                    |        |       |          |           |            |                |                           |        |      |       | 1021.6                 | -5                                           | SW    | 4     | off      | 42        | 92         | 7              | 800                       | Nb     | 10         | -    | 10 |    |
| Lymington               | 1029.9                                       | +5                 | NNW    | 3     | b        | 35        | 92         | 8              | -                         | -      | -    | -     | 0                      | -                                            | WSW   | 4     | off      | 42        | 97         | 7              | 225                       | Nb     | 10         | -    | 10 |    |
| Seilly (St. Mary's)     | 1022.1                                       | -1                 | WS     | 5     | b        | 49        | 97         | 8              | 4000                      | Cl.    | 1    | -     | 1                      | -                                            | W     | 7     | off      | 52        | 97         | 6              | 1500                      | St.    | 10         | -    | 10 |    |
| Palmaout (Pendennis)    | 1022.3                                       | -2                 | W      | 4     | b        | 48        | 65         | 8              | 4000                      | Cl.    | 3    | -     | 3                      | -                                            | WSW   | 8     | off      | 51        | 92         | 5              | 1500                      | Nb     | 10         | -    | 10 |    |
| Plymouth                |                                              |                    |        |       |          |           |            |                |                           |        |      |       | 1023.7                 | -7                                           | SW    | 7     | off      | 51        | 97         | 8              | 500                       | Nb     | 10         | -    | 10 |    |
| Portland Bill           | 1031.2                                       | 0                  | WSW    | 5     | off      | 48        | 85         | 8              | -                         | -      | -    | 9.51  | 10                     | -                                            | SW    | 7     | off      | 49        | 85         | 8              | 450                       | St.    | 10         | -    | 10 |    |
| Calshot                 | 1031.8                                       | +3                 | WS     | 4     | off      | 41        | 85         | 8              | 2500                      | St.    | 10   | -     | 10                     | -                                            | SW/W  | 6     | off      | 48        | 85         | 7              | 800                       | Nb     | 10         | -    | 10 |    |
| Dungeness               | 1024.1                                       | +4                 | WNW    | 3     | b        | 37        | 97         | 8              | -                         | -      | -    | -     | 0                      | -                                            | WSW   | 5     | off      | 46        | 85         | 7              | 5750                      | St.    | 9          | -    | 10 |    |
| Jersey Th.              | 1032.0                                       | +3                 | WSW    | 3     | b.c.f.s  | 45        | 65         | 8              | 5750                      | St.    | 4    | -     | 4                      | -                                            | W     | 6     | off      | 42        | 75         | 8              | 2500                      | St.    | 10         | -    | 10 |    |
| Guernsey (H.)           |                                              |                    |        |       |          |           |            |                |                           |        |      |       | 1019.2                 | -4                                           | W     | 6     | off      | 42        | 75         | 8              | 2500                      | St.    | 10         | -    | 10 |    |

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 29<sup>th</sup> December.

| STATIONS.             | WEATHER.   |             | TEMPERATURE. |             | RAINFALL†     |             | SUNSHINE.          |                            | STATIONS. | WEATHER.   |             | TEMPERATURE. |             | RAINFALL†     |             | SUNSHINE.          |                    |
|-----------------------|------------|-------------|--------------|-------------|---------------|-------------|--------------------|----------------------------|-----------|------------|-------------|--------------|-------------|---------------|-------------|--------------------|--------------------|
|                       | Fore-noon. | After-noon. | Max. Day.    | Min. Night. | Night 12h-2h. | Day 2h-12h. | Sunrise to Sunset. | Sunrise to Sunset.         |           | Fore-noon. | After-noon. | Max. Day.    | Min. Night. | Night 12h-2h. | Day 2h-12h. | Sunrise to Sunset. | Sunrise to Sunset. |
|                       |            |             |              |             |               |             |                    |                            |           |            |             |              |             |               |             |                    |                    |
| Banff ... ..          | bc.bsp     | bc.b        | 57           | 33          | 2             | 0.2         | 3.8                | Paignton ... ..            | opq.bc    | bc.p.b     | 48          | 41           | 3           | 2             | 3.5         | hr                 |                    |
| Montrose ... ..       | ebc.       | c           | 40           | 34          | 0.7           | ~           | 4.7                | Ilfracombe ... ..          | ebc.      | bc         | 49          | 43           | 1           | ~             | 2.7         | hr                 |                    |
| Llandudno ... ..      | cb         | bc          | 45           | 41          | 1             | ~           | 2.4                | Bude ... ..                | roc.bc    | b          | 48          | 44           | 2           | ~             | 2.5         | hr                 |                    |
| Colwyn Bay ... ..     | bc         | bc.c        | 43           | 40          | 2             | ~           | 2.2                | Penzance ... ..            | aprb.c    | bc.p.c     | 50          | 44           | 4           | ~             | 3.7         | hr                 |                    |
| Rhyl ... ..           | bc.g       | g.c         | 45           | 39          | 0.3           | 0.1         | 1.8                | Torquay ... ..             | o         | b          | 51          | 42           | 0.5         | 2             | 3.5         | hr                 |                    |
| Southport ... ..      | cg.bc      | cbcb        | 44           | 41          | 2             | ~           | 2.7                | Weymouth ... ..            | cp.bc     | b          | 48          | 42           | 0.2         | 0.8           | ~           | hr                 |                    |
| Blackpool ... ..      | op         | bc.         | 44           | 41          | 2             | 0.2         | 2.6                | Bournemouth ... ..         | ccb       | b          | 47          | 40           | 2           | ~             | 2.6         | hr                 |                    |
| Harrogate ... ..      | cbyp       | p.c.cb      | 41           | 34          | 3             | 3           | 1.4                | Portsmouth (S'head) ... .. | o         | bc.        | 47          | 42           | 0.4         | ~             | 2.0         | hr                 |                    |
| Skagness ... ..       | acb        | beb         | 43           | 43          | ~             | ~           | 3.2                | Worthing ... ..            | o         | bc.b       | 48          | 37           | ~           | ~             | 1.5         | hr                 |                    |
| Aberystwyth ... ..    | rac.       | qucc        | 49           | 44          | 0.5           | ~           | 2.0                | Brighton ... ..            | o         | o.bc.b     | 47          | 41           | ~           | ~             | 1.4         | hr                 |                    |
| Bath ... ..           | ac.bc      | b.bc.c      | 48           | 38          | 1             | ~           | 4.0                | Eastbourne ... ..          | co.oc     | beb        | 47          | 41           | 0.1         | ~             | ~           | hr                 |                    |
| Leamington Spa ... .. | c          | cb          | 45           | 36          | ~             | ~           | 5.0                | Hastings ... ..            | o         | oc.bc      | 46          | 38           | ~           | ~             | 1.2         | hr                 |                    |
| Lowestoft ... ..      | bc         | bc.b        | 43           | 37          | ~             | ~           | 4.0                | Folkestone ... ..          | o         | ocbc       | 48          | 35           | ~           | ~             | 0.8         | hr                 |                    |
| Felixstowe ... ..     | bc.z       | bc.p        | 44           | 38          | ~             | 0.4         | 3.4                | Tonbridge Wells ... ..     | oc.bc     | bc.b       | 45          | 36           | ~           | ~             | 0.9         | hr                 |                    |
| Southend ... ..       | bc.        | bc.         | 44           | 37          | ~             | ~           | 1.6                | Ramsgate ... ..            | o         | o          | 45          | 35           | ~           | ~             | 0.0         | hr                 |                    |
|                       |            |             |              |             |               |             |                    | Margate ... ..             | o         | o          | 51          | 45           | ~           | ~             | 1.2         | hr                 |                    |
|                       |            |             |              |             |               |             |                    | Deal ... ..                | oc.bc     | bc         | 45          | 36           | ~           | ~             | 2.8         | hr                 |                    |
|                       |            |             |              |             |               |             |                    | Falmouth ... ..            | mqb.c     | bcb        | 42          | 42           | 3           | 2             | ~           | hr                 |                    |

\* Information for these columns not usually received.

† Trace = rain has fallen, but amount less than 0.1 in.

‡ For code see page 2.

§ See footnote page 1.



# AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

No. B.21954

Saturday, 31<sup>st</sup> DECEMBER, 1921.

Page 1.

| BRITISH ISLANDS. 30 <sup>th</sup> Dec. |                       |                    |       |        |          |           |              |                    |                            |        |      |       |      |                       |                             |       |       |          |           |              |                    |                            |        |      |      |      |      |      |      |
|----------------------------------------|-----------------------|--------------------|-------|--------|----------|-----------|--------------|--------------------|----------------------------|--------|------|-------|------|-----------------------|-----------------------------|-------|-------|----------|-----------|--------------|--------------------|----------------------------|--------|------|------|------|------|------|------|
| Observations at 1500 G.M.T.            |                       |                    |       |        |          |           |              |                    |                            |        |      |       |      |                       | Observations at 1800 G.M.T. |       |       |          |           |              |                    |                            |        |      |      |      |      |      |      |
| STATIONS.                              | Barom. at M.S.L. m.b. | Change in 3 Hours. | Wind. |        | Weather. | Temp. °F. | Humidity. %. | Visibility. Miles. | Height of Low Cloud. Feet. | Cloud. |      |       | Sen. | Barom. at M.S.L. m.b. | Change in 3 Hours.          | Wind. |       | Weather. | Temp. °F. | Humidity. %. | Visibility. Miles. | Height of Low Cloud. Feet. | Cloud. |      |      | Sen. |      |      |      |
|                                        |                       |                    | Dir.  | Force. |          |           |              |                    |                            | Form.  | Amt. | Form. |      |                       |                             | Amt.  | Form. |          |           |              |                    |                            | Amt.   |      |      |      |      |      |      |
|                                        |                       |                    |       |        |          |           |              |                    |                            |        |      |       |      |                       |                             |       |       |          |           |              |                    |                            |        | 0-12 | 0-10 |      | 0-10 | 0-10 | 0-10 |
| Lerwick                                | 979.4                 | -13                | NW    | 1      | for      | 40        | 97           | 6                  | 4000                       | Nb     | 10   | -     | 10   | 981.2                 | +6                          | N     | 6     | do       | 39        | 92           | 6                  | 2500                       | Nb     | 10   | -    | 10   | 5    |      |      |
| Stornoway                              | 977.2                 | -7                 | WSW   | 4      | pr       | 48        | 85           | 8                  | 4000                       | Cu     | 7    | -     | 7    | 980.0                 | +14                         | WNW   | 7     | rr       | 42        | 85           | 5                  | 450                        | St     | 10   | -    | 10   | 6    |      |      |
| Wick                                   | 978.4                 | -6                 | SW    | 4      | bc       | 48        | 85           | 9                  | 2500                       | CuNb   | 7    | -     | 7    | 979.9                 | +8                          | NNW   | 9     | rr       | 43        | 97           | 8                  | 2500                       | Nb     | 10   | -    | 10   | 6    |      |      |
| Castlebay                              | 981.5                 | -7                 | WSW   | 8      | PR       | 48        | 75           | 6                  | 800                        | Nb     | 9    | -     | 9    | 989.1                 | +10                         | NNW   | 7     | pr       | 46        | 92           | 6                  | 800                        | St     | 10   | -    | 10   | 7    |      |      |
| Nairn                                  | 981.7                 | -7                 | WSW   | 3      | bc       | 49        | 85           | 8                  | 2500                       | N      | 1    | CiCu  | 3    | 979.6                 | 0                           | W     | 2     | colr     | 42        | 85           | 7                  | 1500                       | St     | 9    | -    | 9    | 0    |      |      |
| Aberdeen                               | 981.7                 | -7                 | SWW   | 3      | bc       | 49        | 85           | 8                  | 2500                       | N      | 1    | CiCu  | 3    | 978.9                 | +0                          | WSW   | 4     | rr       | 41        | 85           | 8                  | 4000                       | Nb     | 10   | -    | 10   | 0    |      |      |
| Malin Head                             | 988.5                 | -8                 | SW    | 6      | colr     | 50        | 85           | 7                  | 4000                       | Cu     | 7    | -     | 7    | 988.4                 | +10                         | WSW   | 5     | PR       | 45        | 92           | 8                  | 4000                       | CuNb   | 7    | -    | 7    | 6    |      |      |
| Benbow                                 | 988.6                 | -8                 | WSW   | 5      | colr     | 49        | 92           | 6                  | 1500                       | StCu   | 9    | -     | 9    | 985.5                 | -2                          | W     | 4     | R        | 44        | 85           | 5                  | 800                        | Nb     | 10   | -    | 10   | 5    |      |      |
| Inchkeith                              | 984.1                 | -16                | WSW   | 6      | R        | 49        | 92           | 6                  | -                          | Nb     | 10   | -     | 10   | 979.2                 | -2                          | WSW   | 6     | PR       | 43        | 85           | 8                  | -                          | CuNb   | 7    | -    | 7    | 5    |      |      |
| Edinburgh                              | 989.9                 | -14                | SW    | 7      | rr       | 50        | 85           | 7                  | 1500                       | Nb     | 10   | -     | 10   | 986.8                 | -3                          | WSW   | 6     | RR       | 39        | 85           | 6                  | 1500                       | Nb     | 10   | -    | 10   | 5    |      |      |
| Tynemouth                              | 992.6                 | -10                | WSW   | 4      | ra       | 51        | 85           | 7                  | 2500                       | Nb     | 10   | -     | 10   | 987.3                 | -3                          | WSW   | 6     | PR       | 47        | 65           | 6                  | 2500                       | Nb     | 10   | -    | 10   | 3    |      |      |
| Blackad Point                          | 994.3                 | -11                | WSW   | 5      | PR       | 54        | 85           | 8                  | 4000                       | StCu   | 8    | -     | 8    | 992.1                 | -1                          | W     | 5     | rr       | 44        | 85           | 7                  | 1500                       | St     | 10   | -    | 10   | 6    |      |      |
| Donaghadee                             | 1002.4                | 0                  | W     | 5      | R        | 53        | 92           | 6                  | 2500                       | Nb     | 10   | -     | 10   | 1002.4                | 0                           | WSW   | 7     | R        | 49        | 75           | 5                  | 2500                       | Nb     | 10   | -    | 10   | 5    |      |      |
| Birs Castle                            | 999.4                 | -11                | SW    | 7      | colr     | 52        | 85           | 7                  | 1500                       | St     | 10   | -     | 10   | 999.2                 | -1                          | WNW   | 7     | o+       | 46        | 75           | 7                  | 1500                       | St     | 10   | -    | 10   | 5    |      |      |
| Baldonnel                              | 1000.1                | -13                | SW    | 6      | colr     | 52        | 97           | 7                  | 1500                       | St     | 10   | -     | 10   | 997.7                 | -1                          | W     | 9     | b        | 48        | 75           | 8                  | 1500                       | Cu     | 1    | -    | 1    | 6    |      |      |
| Holyhead                               | 999.3                 | -11                | SWW   | 7      | colr     | 51        | 85           | 7                  | 1500                       | CuNb   | 10   | -     | 10   | 995.2                 | +2                          | W'S   | 8     | bc       | 47        | 75           | 8                  | 1500                       | CuNb   | 4    | -    | 4    | 8    |      |      |
| Liverpool (Biston)                     | 999.2                 | -12                | WSW   | 7      | ra       | 52        | 85           | 8                  | 450                        | Nb     | 8    | AS    | 10   | 995.1                 | -0                          | W     | 8     | bc       | 49        | 65           | 8                  | 800                        | St     | 2    | -    | 2    | 0    |      |      |
| Chester (Shotwick)                     | 999.0                 | -12                | WSW   | 7      | colr     | 51        | 75           | 6                  | 4000                       | Cu     | 8    | -     | 8    | 991.0                 | -8                          | W     | 8     | PR       | 49        | 85           | 7                  | 1500                       | St     | 3    | -    | 3    | 5    |      |      |
| Howden                                 | 1002.0                | 0                  | W     | 7      | co       | 53        | 92           | 6                  | 1500                       | Nb     | 10   | -     | 10   | 996.4                 | 0                           | W     | 6     | olr      | 50        | 75           | 5                  | 800                        | CuNb   | 10   | -    | 10   | 5    |      |      |
| Spurn Head                             | 1003.6                | -9                 | SWW   | 7      | r        | 52        | 85           | 8                  | 800                        | Nb     | 10   | -     | 10   | 995.7                 | -6                          | W     | 6     | cl       | 48        | 85           | 8                  | 1500                       | Cu     | 7    | -    | 7    | 5    |      |      |
| Nottingham                             | 1007.2                | -14                | SWW   | 7      | colr     | 50        | 85           | 7                  | 4000                       | Nb     | 5    | AS    | 10   | 997.9                 | -7                          | SWW   | 6     | rr       | 51        | 85           | 8                  | 4000                       | Nb     | 10   | -    | 10   | 6    |      |      |
| Grimsby                                | 1006.7                | -13                | SW    | 6      | colr     | 52        | 85           | 8                  | 2500                       | St     | 8    | AS    | 10   | 997.1                 | -8                          | SW    | 6     | cl       | 50        | 85           | 5                  | 1500                       | St     | 10   | -    | 10   | 6    |      |      |
| Carlisle                               | 1011.2                | -12                | SW    | 4      | colr     | 48        | 97           | 8                  | 800                        | StCu   | 4    | AS    | 10   | 1002.9                | -9                          | SW    | 6     | olr      | 49        | 92           | 8                  | 1500                       | StCu   | 10   | -    | 10   | 2    |      |      |
| Valencia (Cahiroreen)                  | 1008.5                | -5                 | WSW   | 7      | colr     | 53        | 85           | 7                  | 1500                       | St     | 6    | AS    | 10   | 1013.2                | +8                          | W     | 7     | pr       | 51        | 65           | 8                  | 2500                       | StCu   | 3    | -    | 3    | 8    |      |      |
| Roshea Point                           | 1008.9                | -9                 | WSW   | 6      | rr       | 54        | 92           | 7                  | 800                        | Nb     | 10   | -     | 10   | 1010.9                | +6                          | W     | 6     | pr       | 48        | 85           | 8                  | 800                        | CuNb   | 7    | -    | 7    | 6    |      |      |
| Pembroke (St. Ann's L.)                | 1009.5                | -8                 | SW    | 8      | ffo      | 52        | 92           | 7                  | 450                        | St     | 10   | -     | 10   | 1006.5                | +3                          | W     | 9     | c        | 50        | 85           | 7                  | 800                        | Nb     | 10   | -    | 10   | 7    |      |      |
| Ross-on-Wye                            | 1008.6                | -10                | SW    | 5      | co       | 52        | 75           | 8                  | 2500                       | Nb     | 10   | -     | 10   | 1003.8                | -6                          | WNW   | 6     | r        | 47        | 85           | 9                  | 1500                       | Nb     | 10   | -    | 10   | 5    |      |      |
| Benson                                 | 1010.5                | -10                | WSW   | 5      | o        | 52        | 75           | 9                  | -                          | Cu     | 10   | -     | 10   | 1001.7                | -9                          | WSW   | 7     | r        | 52        | 85           | 8                  | -                          | Nb     | 10   | -    | 10   | 5    |      |      |
| S. Farnborough                         | 1012.2                | -10                | WSW   | 7      | colr     | 54        | 75           | 8                  | 1500                       | StCu   | 8    | CiSt  | 10   | 1002.0                | -12                         | WSW   | 8     | olr      | 51        | 92           | 8                  | 1500                       | Nb     | 10   | -    | 10   | 5    |      |      |
| London (Kew Obs.)                      | 1010.8                | -12                | WSW   | 6      | colr     | 53        | 75           | 8                  | 1500                       | Cu     | 8    | CiSt  | 10   | 1002.0                | -12                         | WSW   | 6     | pr       | 53        | 85           | 8                  | 1500                       | StCu   | 9    | -    | 9    | 5    |      |      |
| Croydon                                | 1011.9                | -11                | WSW   | 7      | colr     | 53        | 75           | 8                  | 600                        | St     | 6    | CiSt  | 10   | 1003.2                | -12                         | SWW   | 7     | olr      | 53        | 75           | 8                  | 1500                       | St     | 10   | -    | 10   | 5    |      |      |
| Clacton-on-Sea                         | 1010.7                | 0                  | SW    | 5      | colr     | 52        | 85           | 8                  | 1500                       | Cu     | 5    | AS    | 9    | 1001.2                | -9                          | WSW   | 6     | olr      | 49        | 92           | 7                  | 4000                       | Nb     | 10   | -    | 10   | 5    |      |      |
| Shoeburyness                           | 1011.6                | -12                | WSW   | 6      | d        | 51        | 92           | 7                  | 800                        | Nb     | 10   | -     | 10   | 1002.0                | -10                         | WSW   | 8     | olr      | 52        | 85           | 8                  | 1500                       | StCu   | 8    | AS   | 10   | 5    |      |      |
| Grain                                  | 1013.4                | -12                | SSW   | 7      | ra       | 47        | 97           | 1                  | <150                       | Nb     | 10   | -     | 10   | 1001.8                | -11                         | WSW   | 7     | bc       | 52        | 85           | 8                  | 800                        | Nb     | 4    | -    | 4    | 6    |      |      |
| Lymington                              | 1013.4                | -12                | SSW   | 7      | ra       | 47        | 97           | 1                  | <150                       | Nb     | 10   | -     | 10   | 1004.7                | -12                         | SSW   | 7     | rr       | 50        | 97           | 7                  | 225                        | Nb     | 10   | -    | 10   | 0    |      |      |
| Sally (St. Mary's)                     | 1018.1                | -8                 | WSW   | 7      | pr       | 54        | 97           | 7                  | 2500                       | StCu   | 10   | -     | 10   | 1015.3                | -1                          | W     | 8     | PR       | 52        | 97           | 6                  | 1500                       | St     | 10   | -    | 10   | 7    |      |      |
| Plymouth (Pendennis)                   | 1015.7                | -12                | SW    | 6      | co       | 53        | 78           | 6                  | 4000                       | Cu     | 6    | AS    | 8    | 1012.4                | -6                          | SW    | 9     | PR       | 55        | 75           | 6                  | 2500                       | Nb     | 9    | -    | 9    | 7    |      |      |
| Plymouth                               | 1015.7                | -12                | SW    | 6      | co       | 53        | 78           | 6                  | 4000                       | Cu     | 6    | AS    | 8    | 1011.2                | -7                          | WNW   | 9     | ro       | 53        | 85           | 8                  | 1500                       | Nb     | 10   | -    | 10   | 7    |      |      |
| Portland Bill                          | 1016.2                | -13                | WSW   | 9      | R        | 52        | 85           | 7                  | 450                        | St     | 10   | -     | 10   | 1007.6                | -5                          | WSW   | 9     | PR       | 52        | 85           | 7                  | 450                        | St     | 10   | -    | 10   | 8    |      |      |
| Calshot                                | 1014.2                | -12                | SWW   | 7      | colr     | 53        | 85           | 8                  | 800                        | St     | 3    | AS    | 9    | 1006.1                | -8                          | SW    | 8     | olr      | 52        | 97           | 7                  | 800                        | St     | 10   | -    | 10   | 7    |      |      |
| Dungeness                              | 1012.0                | -16                | WSW   | 8      | DD       | 48        | 97           | 5                  | 1500                       | Nb     | 10   | -     | 10   | 1005.0                | -8                          | SW    | 9     | R        | 50        | 97           | 5                  | 1500                       | Nb     | 10   | -    | 10   | 9    |      |      |
| Jersey                                 | 1012.4                | -5                 | SW    | 4      | do       | 52        | 92           | 7                  | 800                        | Nb     | 10   | -     | 10   | 1016.7                | -4                          | WSW   | 7     | olr      | 53        | 85           | 7                  | 1500                       | Nb     | 10   | -    | 10   | 6    |      |      |

| LONDON OBSERVATIONS.          |            |              |          |            |                   |            |        |             |            | ATMOSPHERIC POLLUTION.                          |  |                                           |  |                                 |  |  |  |  |  | SOLAR RADIATION.    |  |  |  |  |  |  |  |  |  | POLE STAR BEYOND GREENWICH OBS. |  |  |  |  |  |  |  |  |  |
|-------------------------------|------------|--------------|----------|------------|-------------------|------------|--------|-------------|------------|-------------------------------------------------|--|-------------------------------------------|--|---------------------------------|--|--|--|--|--|---------------------|--|--|--|--|--|--|--|--|--|---------------------------------|--|--|--|--|--|--|--|--|--|
| WEATHER.                      |            | TEMPERATURE. |          | RAIN-FALL. |                   | SUN-SHINE. |        | HUMIDITY.   |            | Lbs. of Solid Impurity per million cubic yards. |  | Vertical component per square centimetre. |  | POLE STAR BEYOND GREENWICH OBS. |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| Morn. 10h.                    | Afternoon. | Night.       | Max. °F. | Min. °F.   | Min. on Glass °F. | Day.       | Night. | 15h. G.M.T. | 9h. G.M.T. | Lbs. of Solid Impurity per million cubic yards. |  | Vertical component per square centimetre. |  | POLE STAR BEYOND GREENWICH OBS. |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 24 HOURS ENDED 3000 G.M.T.    |            |              |          |            |                   |            |        |             |            | YESTERDAY.                                      |  |                                           |  |                                 |  |  |  |  |  | TO-DAY.             |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| Kew                           |            |              |          |            |                   |            |        |             |            | South Kensington                                |  |                                           |  |                                 |  |  |  |  |  | Kew Observatory     |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| Croydon                       |            |              |          |            |                   |            |        |             |            | Max. Time Min. Time                             |  |                                           |  |                                 |  |  |  |  |  | Max. Time Min. Time |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| Greenwich (Royal Obs.)        |            |              |          |            |                   |            |        |             |            | 2 20 19 1 1 30                                  |  |                                           |  |                                 |  |  |  |  |  | 2 20 19 1 1 30      |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| City (Bundell Row)            |            |              |          |            |                   |            |        |             |            | 13 12 30 1 1 30                                 |  |                                           |  |                                 |  |  |  |  |  | 13 12 30 1 1 30     |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| Waterloo (St. James' Pl.)     |            |              |          |            |                   |            |        |             |            | 13 12 30 1 1 30                                 |  |                                           |  |                                 |  |  |  |  |  | 13 12 30 1 1 30     |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| Regents Pl. (Botanical Obs.)  |            |              |          |            |                   |            |        |             |            | 13 12 30 1 1 30                                 |  |                                           |  |                                 |  |  |  |  |  | 13 12 30 1 1 30     |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| Ossenden Sq. (Brit. Rainfall) |            |              |          |            |                   |            |        |             |            | 13 12 30 1 1 30                                 |  |                                           |  |                                 |  |  |  |  |  | 13 12 30 1 1 30     |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| Kensington Palace             |            |              |          |            |                   |            |        |             |            | 13 12 30 1 1 30                                 |  |                                           |  |                                 |  |  |  |  |  | 13 12 30 1 1 30     |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| Hamstead Observatory          |            |              |          |            |                   |            |        |             |            | 13 12 30 1 1 30                                 |  |                                           |  |                                 |  |  |  |  |  | 13 12 30 1 1 30     |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |

| RADIO DISTURBANCES (Atmospherics) AT CROYDON.         |                |        |      |           |          |       |         |                                                   |                                                   | TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                    |                                                    |                                                    | BEAUFORT NOTATION OF WEATHER.                         |                                                    |                                                    |                                                    |                                                    |                                                    |                                                    |                                                    |  |  | THE BEAUFORT SCALE OF WIND.                           |  |  |  |  |  |  |  |  |  |
|-------------------------------------------------------|----------------|--------|------|-----------|----------|-------|---------|---------------------------------------------------|---------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|--|--|-------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| Type.                                                 | No. per 4 sec. | Stren. | Dir. | STATIONS. | Sunrise. | Noon. | Sunset. | 1. b. line sky (not more than a quarter covered). | 2. b. line sky (not more than a quarter covered). | 3. b. line sky (not more than a quarter covered).                                                  | 4. b. line sky (not more than a quarter covered). | 5. b. line sky (not more than a quarter covered). | 6. b. line sky (not more than a quarter covered). | 7. b. line sky (not more than a quarter covered). | 8. b. line sky (not more than a quarter covered). | 9. b. line sky (not more than a quarter covered). | 10. b. line sky (not more than a quarter covered). | 11. b. line sky (not more than a quarter covered). | 12. b. line sky (not more than a quarter covered). | 13. b. line sky (not more than a quarter covered).    | 14. b. line sky (not more than a quarter covered). | 15. b. line sky (not more than a quarter covered). | 16. b. line sky (not more than a quarter covered). | 17. b. line sky (not more than a quarter covered). | 18. b. line sky (not more than a quarter covered). | 19. b. line sky (not more than a quarter covered). | 20. b. line sky (not more than a quarter covered). |  |  |                                                       |  |  |  |  |  |  |  |  |  |
| 3 <sup>rd</sup> Dec 1911 & 1 <sup>st</sup> Jan. 1912. |                |        |      |           |          |       |         |                                                   |                                                   | 3 <sup>rd</sup> Dec 1911 & 1 <sup>st</sup> Jan. 1912.                                              |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                    |                                                    |                                                    | 3 <sup>rd</sup> Dec 1911 & 1 <sup>st</sup> Jan. 1912. |                                                    |                                                    |                                                    |                                                    |                                                    |                                                    |                                                    |  |  | 3 <sup>rd</sup> Dec 1911 & 1 <sup>st</sup> Jan. 1912. |  |  |  |  |  |  |  |  |  |
| Yarmouth                                              |                |        |      |           |          |       |         |                                                   |                                                   | Yarmouth                                                                                           |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                    |                                                    |                                                    | Yarmouth                                              |                                                    |                                                    |                                                    |                                                    |                                                    |                                                    |                                                    |  |  | Yarmouth                                              |  |  |  |  |  |  |  |  |  |
| Greenwich                                             |                |        |      |           |          |       |         |                                                   |                                                   | Greenwich                                                                                          |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                    |                                                    |                                                    | Greenwich                                             |                                                    |                                                    |                                                    |                                                    |                                                    |                                                    |                                                    |  |  | Greenwich                                             |  |  |  |  |  |  |  |  |  |
| Wick                                                  |                |        |      |           |          |       |         |                                                   |                                                   | Wick                                                                                               |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                    |                                                    |                                                    | Wick                                                  |                                                    |                                                    |                                                    |                                                    |                                                    |                                                    |                                                    |  |  | Wick                                                  |  |  |  |  |  |  |  |  |  |
| Valencia                                              |                |        |      |           |          |       |         |                                                   |                                                   | Valencia                                                                                           |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                    |                                                    |                                                    | Valencia                                              |                                                    |                                                    |                                                    |                                                    |                                                    |                                                    |                                                    |  |  | Valencia                                              |  |  |  |  |  |  |  |  |  |

| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
|--------------------------------|--|--|--|--|--|--|--|--|--|-----------------------------|--|--|--|--|--|--|--|--|--|
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| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
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| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
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| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
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| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
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| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
| SEA-FORCE NOTATION OF WEATHER. |  |  |  |  |  |  |  |  |  | THE BEAUFORT SCALE OF WIND. |  |  |  |  |  |  |  |  |  |
| SEA-FORCE NOTATION OF WEATHER  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |

| LONDON OBSERVATIONS |  |  |  |  |  |  |  |  |  | ATMOSPHERIC POLLUTION.                          |                      |      |                  | SOLAR RADIATION.                          |  | POLY STAR BEYOND at Greenwich Obs.   |  |
|---------------------|--|--|--|--|--|--|--|--|--|-------------------------------------------------|----------------------|------|------------------|-------------------------------------------|--|--------------------------------------|--|
|                     |  |  |  |  |  |  |  |  |  | Lbs. of Solid Impurity per million cubic yards. |                      |      |                  | Vertical component per square centimetre. |  | Exposure from 30" to 31" Y. h. o. m. |  |
|                     |  |  |  |  |  |  |  |  |  | 31 Hr. ended 1800 G.M.T. 30 <sup>th</sup>       |                      |      |                  | During yesterday.                         |  | 30 <sup>th</sup> Y. h. o. m.         |  |
|                     |  |  |  |  |  |  |  |  |  | South Kensington                                |                      |      |                  | Total                                     |  | Stars                                |  |
|                     |  |  |  |  |  |  |  |  |  | Max.                                            | Time.                | Min. | Time.            | Average Rate                              |  | h. m. d. m.                          |  |
|                     |  |  |  |  |  |  |  |  |  | 11                                              | 12h 30 <sup>th</sup> | <1   | 30 <sup>th</sup> | Milliwatts.                               |  | 12 0 4 22 31                         |  |
|                     |  |  |  |  |  |  |  |  |  | Kew Observatory                                 |                      |      |                  | Maximum Rate                              |  | Minoris                              |  |
|                     |  |  |  |  |  |  |  |  |  | Max.                                            | Time.                | Min. | Time.            | Milliwatts.                               |  | 12 0 4 6 29                          |  |
|                     |  |  |  |  |  |  |  |  |  | 1                                               | 18h 29 <sup>th</sup> | <1   | 30 <sup>th</sup> |                                           |  |                                      |  |
|                     |  |  |  |  |  |  |  |  |  | 1                                               | 10h 30 <sup>th</sup> | <1   | 30 <sup>th</sup> |                                           |  |                                      |  |

|                                                        |  |  |  |       |  |  |  |                  |  |  |  |                                                                                                    |  |  |  |        |  |  |  |           |  |  |  |                               |  |  |  |       |  |  |  |         |  |  |  |                                                                                                                                                                                                             |  |  |  |     |  |  |  |    |  |  |  |                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  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| OBSERVATORY                                            |  |  |  | 52    |  |  |  | 30               |  |  |  | 29                                                                                                 |  |  |  | 3      |  |  |  | 4         |  |  |  | 0.1                           |  |  |  | 70    |  |  |  | x       |  |  |  | 104                                                                                                                                                                                                         |  |  |  | 303 |  |  |  | 30 |  |  |  | 100                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  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| RADIO DISTURBANCES (Atmospheres) AT CHUDON.            |  |  |  |       |  |  |  |                  |  |  |  | TABLE SHOWING THE GREENWICH TIMES OF SETTING, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. |  |  |  |        |  |  |  |           |  |  |  | BEAUFORT NOTATION OF WEATHER. |  |  |  |       |  |  |  |         |  |  |  | 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-PORT No.                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  | Statute mile per hour. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  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| Time                                                   |  |  |  | Type. |  |  |  | No. per 1/2 sec. |  |  |  | Siren.                                                                                             |  |  |  | Dress. |  |  |  | STATIONS. |  |  |  | Sunrise.                      |  |  |  | Noon. |  |  |  | Sunset. |  |  |  | b blue sky (not more than a quarter covered).                                                                                                                                                               |  |  |  |     |  |  |  |    |  |  |  | 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"; hc(r) = "hail" or "rain and hail". |  |  |  |  |  |  |  |  |  |  |  | SEA DISTURBANCE.       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  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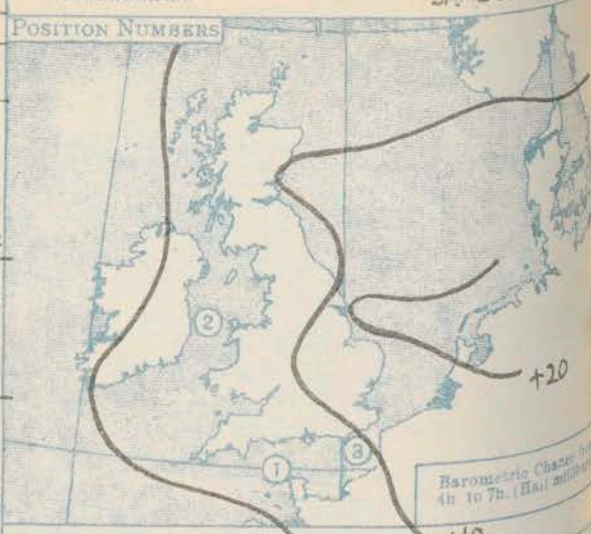


## SUMMARIES FOR THE PAST 24 HOURS

ISALLOTHARS

31<sup>st</sup> December

| STATIONS.               | WEATHER. |             |            |           | TEMPERATURE. |             |                | RAINFALL.    |                 |                      |                      | SUN. |
|-------------------------|----------|-------------|------------|-----------|--------------|-------------|----------------|--------------|-----------------|----------------------|----------------------|------|
|                         | 7h-13h.  | 13h-19h.    | 19h-24h.   | 1h-7h.    | MAX. Day.    | MIN. Night. | MIN. on GRASS. | Day. 7h-13h. | Night. 13h-19h. | Precipitation began. | Precipitation ended. |      |
| Lerwick                 | verd     | rad         | c          | S. 15     | 42           | 29          | .              | 1            | trace           | <0.00                | 6.30                 | .    |
| Stornoway               | p        | rad         | r.d        | p         | 51           | 34          | .              | 2            | <0.00           | 6.30                 | 0.0                  | .    |
| Wick                    | oc pr    | orr q       | o/r        | bc p q    | 48           | 34          | .              | 2            | <0.00           | <2.00                | .                    | .    |
| Castlebay               | oc       | oc p        | op. o      | c. b      | 52           | 41          | .              | 2            | 0.2             | <0.00                | .                    | 0.1  |
| Nairn                   | oc b p   | q p R       | p          | .         | 49           | 36          | .              | 8            | 1               | <0.00                | 22.00                | 1.1  |
| Aberdeen                | oc b p   | bc or       | orr q. b   | .         | 50           | 36          | 33             | 3            | 4               | 11.00                | <2.00                | 1.4  |
| Malin Head              | rr b p q | c p q       | op q       | op q      | 53           | 40          | .              | 8            | 0.6             | <0.00                | <2.00                | 0.0  |
| Reufrew                 | om q p R | o p R q     | b. bc      | m         | 54           | 39          | 35             | 12           | 0.4             | <0.00                | .                    | 0.0  |
| Inchkeith               | rad      | p           | b. bc      | .         | 52           | 40          | 37             | 5            | trace           | .                    | .                    | .    |
| Esksdalemuir            | rad      | oc R        | b          | .         | 50           | 35          | 30             | 20           | 1               | <0.00                | <2.00                | 0.0  |
| Tynemouth               | hur q    | imp q       | imp q      | imp q     | 53           | 34          | .              | 2            | 2               | <0.00                | <2.00                | .    |
| Blackrod Point          | .        | .           | .          | .         | .            | .           | .              | .            | .               | .                    | .                    | .    |
| Donaghadee              | c q b    | o q r       | o q r      | bc p      | 54           | 41          | .              | 4            | 3               | <0.00                | <2.00                | .    |
| Birr Castle             | oc p R   | q p R H     | c r        | bc        | 53           | 39          | 34             | 5            | 0.3             | <0.00                | <2.00                | 0.0  |
| Baldonnell              | oc p R   | o b t b o q | q w        | b. bc     | 53           | 38          | 33             | 4            | 0.6             | <0.00                | <2.00                | 0.0  |
| Holyhead                | oc p R   | o p q       | b. op q    | b         | 52           | 45          | 42             | 2            | 1               | <0.00                | <2.00                | 0.0  |
| Liverpool (Bidston)     | rad      | p           | c          | .         | 55           | 40          | 38             | 1            | 1               | 11.00                | <2.00                | 0.0  |
| Chester (Shotwick)      | oc p R   | o r o b q   | b. bc p q  | bc. q     | 46           | 43          | .              | 5            | 0.2             | 11.00                | <2.00                | .    |
| Howden                  | .        | .           | .          | .         | .            | .           | .              | .            | .               | .                    | .                    | .    |
| Spurn Head              | c        | p           | p          | b. bc     | 51           | 41          | .              | 5            | -               | 13.30                | .                    | .    |
| Nottingham              | pc       | R R         | b. bc      | .         | 53           | 39          | 34             | 6.           | 0.2             | <0.00                | <2.00                | 0.0  |
| Cranwell                | pr       | rk q        | id. r      | c         | 52           | 37          | 32             | 3            | 0.1             | <0.00                | 9.0                  | 0.0  |
| Gorleston               | ps q     | obr q w     | c          | q r       | 53           | 40          | 38             | 3            | 3               | 15.30                | 1.30                 | 0.0  |
| Pulham                  | oo       | b. bc       | h. r       | rh        | 53           | 39          | 36             | 3            | 3               | <0.00                | <2.00                | 0.0  |
| Felixstowe              | rad      | q           | r. d       | .         | 52           | 41          | 38             | 1            | 3               | <0.00                | <2.00                | 0.0  |
| Valencia (Cabiroveas)   | om d r   | c q b       | b. bc      | b         | 50           | 49          | 45             | 2            | -               | 09.00                | .                    | 0.0  |
| Roches Point            | or. r    | p           | p          | .         | 55           | 45          | .              | 1            | 0.3             | <0.00                | <2.00                | .    |
| Pembroke (St. Ann's H.) | om q     | o p r       | o q c      | c q. c    | 54           | 43          | .              | 2            | 2               | 14.30                | <2.00                | 0.0  |
| Ross-on-Wye             | oc q     | oc p q r    | b. bc      | q. b      | 54           | 42          | 37             | 2            | 0.3             | <0.00                | <2.00                | 0.0  |
| Benson                  | oc p     | oc p        | q. b       | q. b      | 53           | 40          | .              | 1            | 2               | <0.00                | <2.00                | .    |
| S. Farnborough          | rad      | or p r      | r. d       | .         | 54           | 40          | 42             | 2            | 0.3             | 09.00                | 1.30                 | 0.3  |
| London (New Obs.)       | oc p     | oc p        | o p. b     | o p. b    | 54           | 42          | 39             | 0.6          | 0.3             | 11.00                | <2.00                | 0.1  |
| Croydon                 | oc p     | oc p        | c. a. b. m | o r q. c  | 53           | 42          | 39             | 1            | 1               | <0.00                | <2.00                | 0.1  |
| Olacton-on-Sea          | oc p     | oc p        | o p. b     | o p. b    | 51           | 41          | 36             | 3            | 3               | <0.00                | <2.00                | 0.0  |
| Shoeburyness            | rad      | rad         | r. d       | .         | 54           | 39          | 34             | 1            | 2               | <0.00                | <2.00                | 0.1  |
| Grain                   | rad      | p           | 11.11      | .         | 53           | 39          | 36             | 0.3          | 0.2             | <0.00                | <2.00                | 0.0  |
| Lympe                   | oc p     | oc p        | o. a. r. q | o r. c. b | 50           | 39          | 33             | 3            | 1               | <0.00                | <2.00                | 0.0  |
| Scilly (St. Mary's)     | c q      | p           | b. bc      | b. bc     | 55           | 44          | .              | 1            | -               | <0.00                | .                    | 0.4  |
| Falmouth (Pendennis)    | om q p   | om q p      | om q. c    | om b. c   | 55           | 44          | .              | 2            | 2               | <0.00                | 24.00                | 1.5  |
| Plymouth                | p        | rad         | c          | .         | 54           | 46          | 48             | 1            | 0.2             | .                    | .                    | 0.1  |
| Portland Bill           | oo       | oo          | c          | b. bc     | 53           | 40          | .              | 3            | 0.3             | 09.00                | <2.00                | .    |
| Calshot                 | rad      | rad         | r. d       | c         | 53           | 44          | 42             | 1            | 1               | <0.00                | <2.00                | 0.6  |
| Dungeness               | om d     | oc p R      | r. d       | b. bc     | 52           | 41          | .              | 3            | 4               | <0.00                | <2.00                | .    |
| Jersey                  | ard      | oc p        | o p. b     | o p. q    | 55           | 49          | .              | 2            | 5               | 12.30                | 22.00                | 0.1  |



| Position. | Date and Time.        | Steamship. | Wind. | Weather. | Temp. |
|-----------|-----------------------|------------|-------|----------|-------|
|           |                       |            | Dir.  | Force.   | Air.  |
| 2         | 30 <sup>th</sup> 1000 | ANGEL      | SW    | Y        | 54    |
| 3         | 31 <sup>st</sup> 0400 | BRIGHTON   | NW    | 9        | 51    |

## GENERAL INFERENCE.

It is probable that after a brief interval of mainly fair, colder weather with a North-Westerly wind, another depression will arrive from the Atlantic causing the wind to back to West and South-West, with a rise of temperature and unsettled weather.

## Districts.

Forecasts for the 24 hours commencing 15h GMT. Saturday, 31st December 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
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 North-Westerly, moderate; mainly fair, but local showers of rain or hail; colder, frost locally in night; probably becoming milder again tomorrow; visibility fair or good.

Wind mainly North-West, moderate, fresh locally; variable sky, some showers of hail, rain, or sleet; colder temporarily, local frost at night; visibility fair or good.

Wind Westerly, milder, unsettled.







WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR... 30<sup>th</sup> Dec

1. See footnote page





## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.

CORRECTIONS AND ADDITIONS, December, 1921.

Page 1.

## I.—CORRECTIONS.

| STATION.        | CORRECTION.                                                    | Report for | STATION.          | CORRECTION.                              | Report for | STATION.        | CORRECTION.                         |
|-----------------|----------------------------------------------------------------|------------|-------------------|------------------------------------------|------------|-----------------|-------------------------------------|
| Hydhead.        | 13h wind ESE. 1h Vcs. 7. 13-19h cloud total 5. (206)           | 11th       | Felixstowe.       | 7h cloud ht. 800' Vis. 1.                | 23rd       | Ross-on-Wye.    | Sun. 0.1.                           |
| Jersey.         | 13h wind ESE.                                                  |            | Grain.            | Max. 53.                                 |            | Dungeness.      | Rain, day 7.                        |
| Stornoway.      | 7h bar. 1001.8.                                                |            | Raiglen.          | 02:02:50:41:--:0.0                       |            | Paignton.       | Min. 49.                            |
| Malin Hd.       | 1h bar. change -1: temp. 43.                                   |            | Leamington.       | 13h cloud total 6.                       |            | Lifordcombe.    | 40.                                 |
| Baldonnell.     | 1h humidity 92.                                                |            | Cranwell.         | 18h bar. 1026.0.                         |            | Worthing.       | 13h hum. 75: Max. 42.               |
| Ross-on-Wye.    | 1h bar. 1001.8.                                                |            | Pulham.           | Min. 41.                                 |            | Baldonnell.     | 18h temp. 42.                       |
| Lymington.      | Max. 37.                                                       |            | Shoeburyness.     | 37.                                      |            | Calshot.        | 13h temp. 47: 18h temp. 43.         |
| Chesler.        | Muz. 41.                                                       |            | Malin Hd.         | 44.                                      |            | Cranwell.       | 7h bar. 1023.1.                     |
| Roches Pt.      | Rainfall day 7mm.                                              |            | Renfrew.          | Rain, day 1mm.                           |            | S. Farnborough. | Rain, night 1.                      |
| Plymouth.       | Sunshine 3.0.                                                  |            | Gorleston.        | Min. 45.                                 |            | Lymington.      | 7-13h bcop. rain.                   |
| Landudno.       | 1.2.                                                           |            | S. Farnborough.   | Rain, day 0.2.                           |            | Plymouth.       | Rain, day 1: night 0.4.             |
| Weymouth.       | Rainfall day 10.                                               |            | Falmouth.         | Sun. 1.6.                                |            | Dungeness.      | 13h temp. 35.                       |
| Penzance.       | Max. 46.                                                       |            | Harrogate.        | 13h temp. 48.                            |            | Lewick.         | 13h temp. 35.                       |
| Bournemouth.    | Th wind NE. 5: temp. 44: Rainfall 1h E. 6: weather mb: Cloud 0 | 13th       | Donaghadee.       | 48: 18h bar 1025.9.                      |            | Pulham.         | bar change -3: weather obs.         |
| Renfrew.        | Th humidity 85.                                                |            | Spurn Hd.         | 18h wind. W.                             |            | Roches Pt.      | Th clouds. 45:1.                    |
| Holyhead.       | bar. 1008.1.                                                   |            | Jersey.           | Th N.                                    |            | Baldonnell.     | temp. 43: Rain, night. 8.           |
| Bur Castle.     | 1008.7.                                                        |            | Benson.           | NNW. 3.                                  |            | Holyhead.       | clouds. 51.                         |
| Valencia.       | 996.6.                                                         |            | Pulham.           | Rain, night 2.                           |            | Grain.          | temp. 45: Grass min. 30.            |
| Jersey.         | Rain, night 3.                                                 |            | Jersey.           | Min. 44.                                 |            | Malin Hd.       | Max. 51.                            |
| Dungeness.      | Min. 47.                                                       |            | Southend.         | 13h wind. N. 4.                          |            | Esksdalemuir.   | Rainfall day 4.                     |
| Paignton.       | 18h bar. change +2: wind E.                                    |            | Gorleston.        | Th Vis. 6.                               |            | Chesler.        | Min. 39.                            |
| Howden.         | 13h cloud ht. 800' Th wind E.N.                                |            | Valencia.         | Max. 44: Grass min. 27: Sun. 1.9.        |            | Lymington.      | Rain, night 1: Sun 5.3.             |
| Cranwell.       | Th Sea. 0.                                                     |            | Pulham.           | Rain, night 4.                           |            | Scully.         | Rain, day 1.                        |
| Plymouth.       | Vis. 8.                                                        |            | Bath.             | 18h cloud total 10: Th wind WNW. 1.      |            | Castlebay.      | 13h bar. 1014.7.                    |
| Calshot.        | Grass min. 27.                                                 |            | Felixstowe.       | Max. 43: Min. 42.                        |            | Renfrew.        | 18h Vis. 5.                         |
| Liverpool.      | Rain, night 2.                                                 |            | Spurn.            | Max. 42.                                 |            | Chesler.        | 13h bar 1013: high cloud. 10.       |
| Valencia.       | Min. 36.                                                       |            | Harrogate.        | Rain, day 0.2: Sun. 0.0.                 |            | Cranwell.       | 18h bar change +1: weather b.       |
| Pembroke.       | 7-13h "omim's"                                                 |            | Aberystwyth.      | Min. 34.                                 |            | Roches Pt.      | 13h weather bc.                     |
| Grain.          | 18h bar. 1022.6.                                               |            | Brighon.          | 18h cloud ht. 2500: Max. 48.             |            | Ross-on-Wye.    | wind NW. 5: Th bar. 1025.0.         |
| Lymington.      | 13h cloud amt. 1: 18h cloud amt. 1.                            |            | Baldonnell.       | weather. obs.                            |            | Lymington.      | Grass min. 28: Rain day 2.          |
| Castlebay.      | 7h temp. 38.                                                   |            | Cranwell.         | 13h cloud ht. 450.                       |            | Greenwich.      | Rain, night 1.                      |
| Bur Castle.     | Sun. 0.6.                                                      |            | Felixstowe.       | 18h weather. 01r.                        |            | Stornoway.      | Sun. 3.2.                           |
| Baldonnell.     | 0.1.                                                           |            | Grain.            | Th bar. 1020.2.                          |            | Baldonnell.     | Rain, night 0.1.                    |
| Croydon.        | Max. 45.                                                       |            | Pulham.           | Min. 51.                                 |            | Calshot.        | bz: 45: 26: 4: --: 0.0.             |
| Jersey.         | Sun. 0.6.                                                      |            | Malin Hd.         | 36.                                      |            | Leamington.     | or: optab: 54: 39: 1: 2: 0.8.       |
| Landudno.       | Max. 40.                                                       |            | Tynemouth.        | Rain, night 0.1.                         |            | Paignton.       | r: b: 53: 40: 1: 4: 0.9.            |
| Southport.      | 38.                                                            |            | Holyhead.         | 18h wind. W 3.                           |            | Torquay.        | Min. 37.                            |
| Paignton.       | abc: bc. 0. bc. 42: 35: --: 0.6.                               |            | Stornoway.        | temp. 49.                                |            | Brighon.        | 13h wind SW 5.                      |
| Siegness.       | 13h Vis. 7.                                                    |            | Cranwell.         | Th bar. 994.3.                           |            | Castlebay.      | 18h bar. change -3.                 |
| Calshot.        | Th bar 1029.1.                                                 |            | Inchkeith.        | Min. 48.                                 |            | Chesler.        | wind SW 5.                          |
| Shoeburyness.   | cloud ht. 800.                                                 |            | Castlebay.        | 50: Rain, night 0.3.                     |            | Plymouth.       | Grass min. 30.                      |
| Grain.          | Max. 40.                                                       |            | Holyhead.         | Max. 48: Min. 46.                        |            | Greenwich.      | Th bar. 998.1.                      |
| Gorleston.      | Min. 39.                                                       |            | Spurn.            | Grass min. 38.                           |            | Renfrew.        | 995.1.                              |
| Pembroke.       | Sun. 6.5.                                                      |            | Ross-on-Wye.      | Grass min. 42.                           |            | Inchkeith.      | wind SW 5.5.                        |
| Colwyn Bay.     | Min. 29.                                                       |            | S. Farnborough.   | Rain, day 0.4.                           |            | Baldonnell.     | Rain, night 3.                      |
| Rhyl.           | Sun. 0.3.                                                      |            | Grain.            | Grass min. 45.                           |            | Donaghadee.     | Max. 46: Min. 42.                   |
| Bide.           | 13h bar. 1019.0.                                               |            | Plymouth.         | Min. 48.                                 |            | Spurn.          | Sun. 2.8.                           |
| Tynemouth.      | 18h 1025.0.                                                    |            | Calshot.          | 39.                                      |            | Felixstowe.     | 4.0.                                |
| Pulham.         | Th humidity 97.                                                |            | Dungeness.        | 18h temp. 53.                            |            | Lymington.      | Max. 59.                            |
| Ross-on-Wye.    | wind. SW 5.                                                    |            | Torquay.          | 1h bar. 1017.4.                          |            | Landudno.       | Min. 34.                            |
| Wick.           | Rain, day 2.                                                   |            | Jersey.           | Th 1029.1.                               |            | Southport.      | 13h bar. 999.0: Rain, day 7.        |
| Renfrew.        | 18-1h "cor."                                                   |            | Grain.            | Sun. 4.1.                                |            | Renfrew.        | 18h 1014.3.                         |
| Liverpool.      | 13h clouds "Nb: 9: 25: 10."                                    |            | Torquay.          | Max. 57.                                 |            | Grain.          | 1h weather. opt: Cloud ht. 1500.    |
| Spurn.          | Vis. 8.                                                        |            | Portsmouth.       | Rain, night 0.2.                         |            | Holyhead.       | Th bar. 995.2.                      |
| Valencia.       | clouds. 5.8.                                                   |            | Uderdeen.         | 18h bar. 1008.9.                         |            | Chesler.        | 1003.8.                             |
| Inchkeith.      | 18h Sea. 0.                                                    |            | Grain.            | wind WSW: Cloud ht. 2500.                |            | S. Farnborough. | Delete 1h entry.                    |
| Lymington.      | Th bar. change +4.                                             |            | Malin Hd.         | Max. 47.                                 |            | Phymouth.       | Rain day 0.1.                       |
| Paignton.       | 1h temp. 44.                                                   |            | Turnbridge Wells. | Min. 46.                                 |            | Shoeburyness.   | Sun. 2.4.                           |
| Lewick.         | Min. 47.                                                       |            | Stornoway.        | 18h temp. 47.                            |            | Scully.         | 0.2.                                |
| Calshot.        | 13h bar. 1005.8.                                               |            | Holyhead.         | 1-Th. opb.                               |            | Rhyl.           | 3.5.                                |
| Roches Pt.      | humidity 75.                                                   |            | Bude.             | Sun. 0.4.                                |            | Leamington.     | 3.2.                                |
| Malin Hd.       | Th bar. 1025.9.                                                |            | Lewick.           | Max. 44.                                 |            | Paignton.       | Rain, night 2.                      |
| Tynemouth.      | Rain, night 3.                                                 |            | Baldonnell.       | Sun. 4.3.                                |            | Torquay.        | 13h weather. opt: Th bar. 1015.4.   |
| Portland Bill.  | Max. 54.                                                       |            | Holyhead.         | 1.4.                                     |            | Roches Pt.      | 18h bar. 1015.0.                    |
| Grain.          | Sun. 0.4.                                                      |            | Spurn.            | Min. 40.                                 |            | Plymouth.       | 13h weather. bcPR: 18h bar. 1019.5. |
| Felixstowe.     | Min. 49.                                                       |            | Southport.        | Max. 45: Rain day 1: Sun. 1.7.           |            | Cranwell.       | Th cloud ht. 3500.                  |
| Scully.         | 13h wind WSW.                                                  |            | Southend.         | Min. 46.                                 |            | Ross-on-Wye.    | Th cloud ht. 3500.                  |
| Lewick.         | Th temp. 48.                                                   |            | Worthing.         | Max. 49: Min. 47.                        |            | Calshot.        | 1h 1020.5.                          |
| Castlebay.      | bar. 1029.6.                                                   |            | Cranwell.         | 13h clouds. Cu: 4: 0Cu: 8.               |            | Renfrew.        | Sun. 1.2.                           |
| Donaghadee.     | Max. 48.                                                       |            | Roches Pt.        | bar change -2.                           |            | Max. 45.        | Rain, day 0.6.                      |
| Ifracombe.      | Min. 44.                                                       |            | Kew.              | 18h 1013.5.                              |            | S. Farnborough. | Sun. 1.4.                           |
| Paignton.       | Rain, night 1.                                                 |            | Holyhead.         | 1h cloud ht. 800: Th bar. 998.0.         |            | Blackpool.      | 3.5.                                |
| Castlebay.      | Max. 57.                                                       |            | Gorleston.        | Min. 47.                                 |            | Leamington.     | Min. 51.                            |
| Baldonnell.     | 18h temp. 51.                                                  |            | Pulham.           | Grass min. 42.                           |            | Paignton.       | 13h bar 1012.2.                     |
| Stornoway.      | bar. 1026.7: Wind SWW.                                         |            | Grain.            | Sun. 1.3.                                |            | Renfrew.        | 1015.3: low cloud "St. Cu."         |
| Inchkeith.      | Th wind. SW 6.                                                 |            | Chesler.          | 13h bar. change -2.                      |            | Cranwell.       | weather. bc: 18h weather. b.        |
| Rhyl.           | humidity 92.                                                   |            | Baldonnell.       | 18h temp. 52: 18h bar. 998.5.            |            | Plymouth.       | clouds. 2500: St. Cu. 9.            |
| Southend.       | Sun. 0.4.                                                      |            | Cranwell.         | 1h cloud ht. 800: Th bar. 998.0.         |            | Jersey.         | Sun. 2.7.                           |
| Renfrew.        | 1.3.                                                           |            | Holyhead.         | Th bar. 1001.9.                          |            | Penzance.       | Min. 40.                            |
| Holyhead.       | 18h wind. SSW 3.                                               |            | Felixstowe.       | bar. 1004.8: hum. 85: 18h cloud ht. 800. |            | Baldonnell.     | Rain, day 1.                        |
| Chesler.        | bar. 1018.8.                                                   |            | Gorleston.        | Th bar. 1001.9.                          |            | Holyhead.       | 13h Vis. 7.                         |
| S. Farnborough. | hum. 85.                                                       |            | Felixstowe.       | bar. 1004.3: Sun. 1.1.                   |            | Cranwell.       | 18h cloud amt. 2.                   |
|                 | 92. 13-18h "aop"                                               |            | Stornoway.        | Min. 33.                                 |            | Pulham.         | St. Cu. Grass min. 32.              |
|                 |                                                                |            | Spurn Hd.         | 39.                                      |            | Plymouth.       | St. Cu. change -7: Wind SW.         |
|                 |                                                                |            |                   |                                          |            | Dungeness.      | 18h wind SW 10.                     |
|                 |                                                                |            |                   |                                          |            | Baldonnell.     | 1h bar. change +2.6: Wind WNW.      |
|                 |                                                                |            |                   |                                          |            | Chesler.        | 7h hum. 85: Max. 53.                |
|                 |                                                                |            |                   |                                          |            | Spurn Hd.       | 18h bar. change +1: Max. 45.        |
|                 |                                                                |            |                   |                                          |            | Croydon.        | Th wind NW.                         |
|                 |                                                                |            |                   |                                          |            | Grain.          | cloud amt. 4.                       |
|                 |                                                                |            |                   |                                          |            | Stornoway.      | bar. change +14.                    |
|                 |                                                                |            |                   |                                          |            | Calshot.        | Rain, day 12.                       |
|                 |                                                                |            |                   |                                          |            | Paignton.       | 3.                                  |
|                 |                                                                |            |                   |                                          |            |                 | Max. 54.                            |

† The barometric change is expressed in half millibars.



## II.—ADDITIONS.

[illegible]

PT 3157 421. AT. IN. D. 613. 100. 2. 2

## UPPER AIR SUPPLEMENT, CORRECTIONS AND ADDITIONS, December

1921

### I.—CORRECTIONS.

[illegible]

## II — ADDITIONS. (a) UPPER WIND:

[illegible]

## (b) UPPER AIR TEMPERATURES

| Station. | Pressure. | Height. |      | Temp. |      | Rel. Hum. % | Station. | Pressure. | Height. |      | Temp. |      | Rel. Hum. % | Station. | Pressure. | Height. |      | Temp. |      | Rel. Hum. % | Station. | Pressure. | Height. |      | Temp. |  | Rel. Hum. % |
|----------|-----------|---------|------|-------|------|-------------|----------|-----------|---------|------|-------|------|-------------|----------|-----------|---------|------|-------|------|-------------|----------|-----------|---------|------|-------|--|-------------|
|          |           | Dry.    | Wet. | Dry.  | Wet. |             |          |           | Dry.    | Wet. | Dry.  | Wet. |             |          |           | Dry.    | Wet. | Dry.  | Wet. |             |          |           | Dry.    | Wet. |       |  |             |
| mb.      | °F.       | °F.     | °F.  |       |      |             | mb.      | °F.       | °F.     | °F.  | °F.   |      |             | mb.      | °F.       | °F.     | °F.  | °F.   |      |             | mb.      | °F.       | °F.     | °F.  | °F.   |  |             |