

M.O. FORM 2373

AIR MINISTRY.

**METEOROLOGICAL OFFICE.**

**LONDON.**

---

# **DAILY WEATHER REPORTS**

---

**1ST JANUARY TO 31ST MARCH. 1921.**



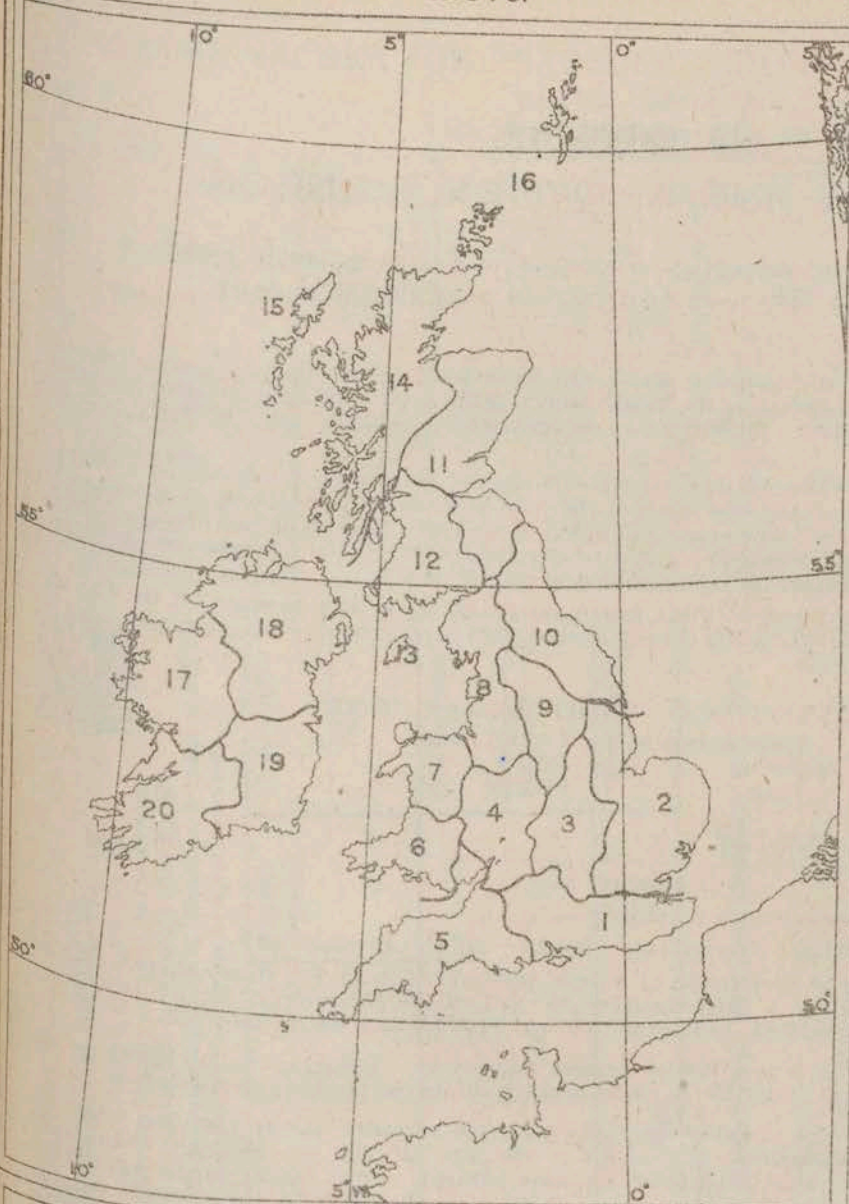
# METEOROLOGICAL STATIONS.

Scale 1:2 x 10<sup>7</sup>  
Nautical Miles 1 2 3 4 5 6 7 8 9 10  
Statute Miles 1 2 3 4 5 6 7 8 9 10





# DISTRICTS.



# 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	Hurricane ..	Very rarely experienced; accompanied by widespread damage	64-75
12			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.  
e wet air without rain falling  
f fog. g gloom.  
h hail. l lightning  
m mist. p passing showers.

Capital letters indicate intensity, and repetition of letters continuity, thus:—  
R=heavy rain. rr=continuous moderate rain. r r r=continuous slight rain.

## BEAUFORT NOTATION.

q squalls. r rain.  
rs sleet, i.e., rain and snow.  
s snow. t thunder.  
u ugly, threatening sky.  
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 1/4 clouded ☉  
Sky 1/2 clouded ☉ Sky 3/4 clouded ☉  
Overcast sky ☉ Rain falling ☉  
Snow ❄ Sleet ❄  
Fog ☁ Hail ⚡  
Thunder ⚡ Mist ☁  
Lightning ⚡ Thunderstorm ⚡  
Aurora 🌈 Gale 🌪  
Rime ❄ Solar halo ☉  
Glazed frost ❄ Lunar halo ☉  
Glazed roads ❄ Solar corona ☉  
Snow lying ❄ Lunar corona ☉

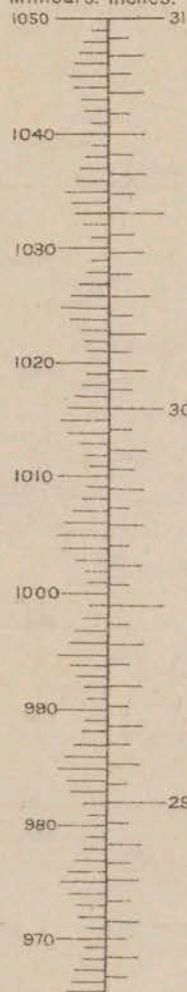


# AIR MINISTRY.

## METEOROLOGICAL OFFICE, LONDON.

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

Millibars. Inches.



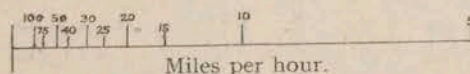
**Pressure.**—The distribution of barometric pressure at Mean Sea Level is shown by means of isobars which are drawn for intervals of 2 millibars on the British Section of the Report and for intervals of 4 millibars on the International Section. Values in millibars may be converted to mercury inches by the scale given in the margin.

The wind at a height of 1,100–2,000 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 × 10<sup>7</sup> Charts.  
or 2 mb. " " 1 : 10<sup>7</sup> " "  
or 1 mb. " " 1 : 5 × 10<sup>6</sup> " "





## APPENDIX I.

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

**FIRST QUARTER, JANUARY TO MARCH.**

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

JANUARY.

FEBRUARY.

MARCH.

STATIONS.	PRESSURE. 1906-1915.		AIR TEMPERATURE.								RAINFALL. 1881-1915.		BRIGHT SUNSHINE. 1881-1915.						
	7 a.m. Obser- vations (re- duced to M.S. Level).		Means of			Absolute Extremes.					Days with Rain.	Total Fall.	Daily Mean.	Per Cen- tage of Possible Duration.					
			1906-1915.		1881-1915.	1881-1915.													
			Dry Bulb 7 a.m.	Daily Maxi- mum.		Maximum.		Minimum.											
						Temp.	Year.	Temp.	Year.	Temp.									
Lerwick	mb.	°F.	°F.	°F.	°F.	°F.	Year.	°F.	Year.	°F.	mm.	in.	hr.	%					
Stornoway	1007.0	39.6	42.6	35.6	52	1898	1910	16	1881	27	108	4.26	—	—					
Castlebay (Barra Isd.)	1008.3	40.3	43.7	34.9	55	1890	1881	11	1881	25	131	5.17	0.90	13					
Eskdalemuir	1009.0	43.0	45.6	39.3	52	1908, 09, 10, 14	1910	28	1910	24	130	5.16	0.97	13					
Malin Head	1012.7	43.8	46.6	37.4	51	1910, 11, 15	1910	31	1910	21	114	4.48	1.03	14					
Blackod Point	1010.3	41.1	44.4	37.4	55	1898	1894	23	1894	22	166	2.61	—	—					
Valencia	1011.9	43.7	46.5	38.6	56	1890	1891	26	1891	25	129	5.09	—	—					
Roche's Point	1014.9	44.4	48.5	40.2	55	1882, 3, 4, 8, 9, 98, 1901	1894	20	1894	24	139	5.49	1.55	19					
Birr Castle	1016.0	43.2	47.5	39.4	57	1889	1894	20	1894	21	105	4.15	—	—					
Donaghadee	1014.3	39.3	45.2	34.3	57	1898	1881, 94	6	1881, 94	20	72	2.83	1.61	20					
Liverpool (Observatory)	1013.5	40.5	44.8	36.3	58	1898	1881	9	1881	20	64	2.53	—	—					
Holyhead	1015.4	38.7	43.3	35.3	58	1898	1881	14	1881	17	54	2.12	1.94	24					
Pembroke (St. Ann's Hd.)	1014.8	42.3	45.2	38.4	54	1899, 1915	1894	20	1894	19	74	2.91	1.42	18					
Selly (St. Mary's)	1015.9	42.9	45.9	39.4	53	1899, 1907, 14	1881, 94, 1907	19	1881, 94, 1907	20	84	3.31	1.71	21					
Falmouth	1017.3	45.6	46.1	42.3	57	1899	1894	25	1894	21	76	2.98	1.90	23					
Jersey (St. Aubin's)	1018.0	43.1	46.9	39.9	55	1888, 90, 96	1894	20	1894	20	107	4.21	1.87	22					
Portland Bill	1019.0	42.8	46.6	38.6	57	1899	1891	12	1891	20	75	2.94	2.19	26					
Dungeness	1016.6	39.4	43.8	34.7	55	1898	1901, 03, 05, 11, 12, 13, 15	11	1907	16	57	2.26	—	—					
Dover	1015.5	38.1	43.2	34.4	55	1898	1893	11	1893	18	57	2.25	2.10	25					
Wick	1008.5	38.0	42.5	33.3	60	1898	1881	4	1881	21	62	2.46	—	—					
Nairn	1009.5	36.9	42.6	31.8	59	1887	1910	4	1910	18	51	1.99	1.32	18					
Aberdeen	1011.1	37.1	42.3	33.4	59	1898	1881	9	1881	18	55	2.18	1.55	21					
Leith	1012.0	39.2	44.0	34.2	58	1898	1881	4	1881	15	42	1.66	—	—					
Tynemouth	1013.5	38.5	43.5	33.6	58	1898	1881	6	1881	15	41	1.63	—	—					
Spurn Head	1014.3	38.3	42.1	34.7	55	1898	1881	13	1881	15	35	1.70	1.29	16					
Yarmouth	1015.9	37.8	41.8	33.7	57	1899	1881	10	1881	18	44	1.74	1.81	22					
Clacton-on-Sea	1016.8	37.7	41.8	33.9	55	1914	1915	18	1915	14	34	1.87	1.87	23					
Nottingham	1015.7	37.1	42.6	32.6	57	1882, 88, 98, 99	1881	2	1881	19	46	1.81	1.10	14					
LONDON (Kew Obs.)	1017.5	38.3	43.1	34.6	56	1908, 10, 14	1881	9	1881	16	45	1.76	1.39	17					
Lerwick	1002.6	39.0	42.1	34.5	53	1910	1895	17	1895	23	80	3.16	—	—					
Stornoway	1004.0	39.2	44.1	34.2	55	1891	1892	12	1892	22	113	4.46	2.06	22					
Castlebay (Barra Isd.)	1005.0	42.7	45.8	38.0	52	1914	1912	27	1912	22	191	5.83	1.76	19					
Eskdalemuir	1007.6	45.4	48.1	41.6	51	1912	1912	10	1912	22	183	7.19	1.60	16					
Malin Head	1005.8	40.7	44.6	37.1	59	1891	1895	20	1895	19	161	2.41	—	—					
Blackod Point	1008.0	42.9	46.7	38.1	61	1891	1912	23	1912	22	103	4.06	—	—					
Valencia	1010.6	43.5	48.8	39.7	58	1891	1895	22	1895	21	132	5.20	2.48	25					
Roche's Point	1011.4	42.5	47.8	39.1	56	1889, 1900, 02, 12	1895	25	1895	18	91	3.70	—	—					
Birr Castle	1009.7	39.1	46.7	34.4	60	1912	1895	6	1895	17	58	2.29	2.41	25					
Donaghadee	1009.4	40.0	45.6	36.1	57	1897, 1901, 11	1895	16	1895	18	58	2.20	—	—					
Liverpool (Observatory)	1010.7	38.7	44.2	35.6	59	1885, 1898	1895	12	1895	16	42	1.68	2.66	23					
Holyhead	1010.2	41.9	45.4	38.0	59	1891	1895	17	1895	17	63	2.43	2.50	26					
Pembroke (St. Ann's Hd.)	1011.3	42.2	45.6	38.9	56	1903	1895	23	1895	17	77	2.66	2.70	28					
Selly (St. Mary's)	1012.8	45.1	48.9	41.7	57	1896, 1899	1895	27	1895	17	65	2.57	3.01	30					
Falmouth	1013.8	42.6	47.1	39.6	58	1899	1895	22	1895	17	94	3.70	2.98	30					
Jersey (St. Aubin's)	1015.2	42.4	47.3	38.7	62	1891	1895	18	1895	17	62	2.44	3.30	33					
Portland Bill	1012.5	42.4	45.6	38.5	54	1905	1912	24	1912	13	49	1.93	—	—					
Dungeness	1012.0	39.5	44.5	35.2	57	1897	1889	11	1889	15	41	1.60	—	—					
Dover	1014.1	39.4	45.6	35.9	56	1913	1912	17	1912	17	43	1.68	3.16	32					
Wick	1003.9	37.8	42.8	32.8	57	1897, 1903	1895	2	1895	19	58	2.27	—	—					
Nairn	1005.0	36.8	43.9	31.3	64	1891	1895, 97	17	1895, 97	17	46	1.80	2.59	28					
Aberdeen	1006.7	37.7	43.2	33.4	64	1897	1895	6	1895	17	52	2.05	2.59	28					
Leith	1007.2	38.8	45.2	33.8	59	1881	1895, 1912	12	1895, 1912	14	36	1.42	—	—					
Tynemouth	1008.7	38.5	44.5	33.7	60	1898, 99	1895	7	1895	14	35	1.37	—	—					
Spurn Head	1010.0	38.7	43.0	35.1	61	1899	1895	20	1895	14	31	1.21	2.79	29					
Yarmouth	1012.1	38.1	42.9	34.0	60	1912	1895	15	1895	15	38	1.49	2.84	29					
Clacton-on-Sea	1012.9	38.1	42.9	34.4	58	1903	1912	18	1912	12	32	1.25	2.94	30					
Nottingham	1011.4	37.6	44.6	33.2	61	1899	1895	16	1895	16	39	1.55	2.06	21					
LONDON (Kew Obs.)	1013.5	38.5	45.0	35.1	62	1899	1895	11	1895	13	39	1.54	2.13	22					
Lerwick	1005.7	38.3	42.9	34.4	57	1893	1891	19	1891	25	80	3.14	—	—					
Stornoway	1007.4	38.6	45.3	34.4	57	1894, 1907	1881	13	1881	24	104	4.10	3.39	29					
Castlebay (Barra Isd.)	1006.7	41.7	45.7	38.5	52	1911	1911	27	1911	22	177	3.02	1.87	23					
Eskdalemuir	1007.2	45.2	44.2	31.9	55	1910, 1915	1913	16	1913	21	139	5.24	1.10	16					
Malin Head	1008.2	40.7	46.0	37.7	62	1894	1900	25	1900	21	153	2.32	—	—					
Blackod Point	1009.8	42.7	47.9	38.6	64	1894, 1899	1891, 1900, 09	26	1891, 1900, 09	23	104	4.10	—	—					
Valencia	1011.8	43.4	50.0	39.9	66	1899	1899, 1901	26	1899, 1901	21	115	4.54	3.97	34					
Roche's Point	1012.2	42.5	49.3	39.2	61	1899	1890	27	1890	18	76	3.01	—	—					
Birr Castle	1011.0	38.8	49.2	34.6	66	1894	1891	18	1891	18	61	2.40	3.55	30					
Donaghadee	1010.1	39.9	47.4	36.7	64	1892	1892, 1906	25	1892, 1906	19	56	2.19	—	—					
Liverpool (Observatory)	1011.0	39.6	46.9	36.9	65	1884, 94, 1907	1886	21	1886	17	48	1.90	3.52	30					
Holyhead	1010.8	41.9	46.9	38.4	67	1894	1881	27	1881	18	67	2.62	4.09	35					
Pembroke (St. Ann's Hd.)	1011.7	41.9	46.7	39.0	58	1899	1888, 1909	26	1888, 1909	17	66	2.58	4.19	36					
Selly (St. Mary's)	1012.6	45.0	49.0	42.0	59	1893	1883, 90, 91	30	1883, 90, 91	18	62	2.45	4.52	38					
Falmouth	1013.4	42.7	48.7	39.8	60	1914	1890	24	1890	18	88	3.46	4.45	38					
Jersey (St. Aubin's)	1014.1	43.4	49.9	39.9	66	1891, 94, 1903	1890	21	1890	18	64	2.51	4.74	40					
Portland Bill	1011.8	42.7	47.5	39.1	59	1900	1909	26	1909	15	51	2.02	—	—					
Dungeness	1010.8	40.7	47.0	36.4	60	1903	1909	12	1909	15	45	1.76	—	—					
Dover	1010.8	40.8	47.4	37.0	58	1911, 15	1909	17	1909	15	43	2.50	3.97	34					
Wick	1006.7	37.7	44.9	33.8	62	1894	1900	10	1900	21	58	2.27	—	—					
Nairn	1007.4	36.6	46.4	32.6	66	1907	1892	6	1892	19	48	1.87	1.81	31					
Aberdeen	1008.3	38.0	45.7	34.4	66	1889, 91, 92	1889	10	1889	20	61	2.41	3.77	32					
Leith	1008.7	39.3	47.7	34.9	68	1884	1881, 89	19	1881, 89	17	44	1.75	—	—					
Tynemouth	1009.4	38.7	46.0	34.4	67	1907	1880	15	1880	16	40	1.81	—	—					
Spurn Head	1009.9	39.5	45.7	36.3	62	1890, 93, 1903	1886	24	1886	15	36	1.40	3.71	32					
Yarmouth	1011.1	39.2	45.8	35.4	65	1906, 14	1892	18	1892	17	44	1.75	3.77	32</					

Results for 30 years, 1886-1915.			
+	16	"	1900-1915.
+	15	"	1901-1915.

4	Results for 9 years, 1907-1915.
8	" 8 " 1908-1915.
6	" 6 " 1910-1915.

\* Results for 5 years, 1911-1915.  
 20 " " " " 1914-1915.

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

(7055—12.) Wt. 47589—8458. 3000. 4/16. D & S. G. 3.

† The barometric change is expressed in half millibars.



SUPPLEMENT TO THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.  
SUMMARY OF METEOROLOGICAL OBSERVATIONS AT SELECTED STATIONS ISSUED ON THE 1st DAY OF EACH MONTH.

Notes on the Weather of JANUARY, 1921.

The mild weather which set in at Christmas was maintained throughout the first month of New Year almost without a break in the Southern districts. There was no spell of definitely cold weather as there was, for example, near the beginning of January 1920, which was otherwise a mild month. Five years ago, 1916, the general prevalence of Westerly winds maintained an abnormally high temperature, about 7° above the average for January at Kew Observatory. During the past month there was a little more range but the mean (of Max. & Min.) was approximately the same, 46°F, or between 2° and 3° above the average maximum.

During the night of 15th - 16th, under the influence of an area of relatively high pressure over England and France there were several degrees of frost inland and dense fog in some parts of London. At Eskdalemuir on 15th a minimum of 15°F was recorded.

Stormy conditions were experienced occasionally, notably on the 18th when a severe Westerly gale swept across the British Isles. Gusts of over 60 m.p.h. were reported from many parts, while in N.W. England and on Salisbury Plain the maximum speed was nearly 80 m.p.h.

Sleet or snow was not infrequent in some parts of Scotland: on the 24th a heavy storm was reported from St. Andrews. In England and Ireland, however, there was but little and in many localities, none at all.

Total precipitation for the month amounted to 312 mm at Eskdalemuir.

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

Height.	Station.	No. of Obs.	Under 10 m.p.h.	10-25 m.p.h.	25-45 m.p.h.	45-70 m.p.h.	Above 70 m.p.h.
ft.							
2,000	Valencia.	19	1	8	8	2	0
5,000		8	0	4	4	0	0
10,000		2	0	1	1	0	0
15,000		1	0	1	0	0	0
2,000	Lympe.	25	4	10	10	1	0
5,000		6	1	4	1	0	0
10,000		1	0	0	1	0	0
15,000		0	0	0	0	0	0
2,000	Eskdalemuir.	2	0	1	1	0	0
5,000		2	0	1	1	0	0
10,000		0	0	0	0	0	0
15,000		0	0	0	0	0	0

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

STATIONS.	1H.										7H.										13H.										18H.											
	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9		
Lerwick																																										
Stornoway	0	0	0	6	13	6	4	2	0	0	0	0	0	3	13	5	6	4	0	0	0	0	0	1	4	5	9	9	3	0	0	0	0	3	11	8	4	4	1	0		
Renfrew	0	0	0	0	0	7	19	4	1	0	0	0	0	0	0	8	19	4	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Eskdalemuir	0	0	0	1	4	3	11	9	3	0	0	0	1	4	2	3	10	10	1	0	0	0	1	5	2	1	6	10	6	0	0	0	0	4	2	3	9	5	6	2	0	
Malin Head	0	1	1	3	2	11	9	2	2	0	0	0	0	2	1	11	12	5	0	0	0	0	0	2	3	5	15	5	1	0	0	0	0	1	4	8	7	9	2	0		
Blacksod Point	0	0	1	1	2	3	5	8	11	0	0	0	0	2	1	2	6	8	12	0	0	0	0	0	3	1	3	7	17	0	0	0	1	2	3	1	7	7	10	0		
Valencia	0	0	1	0	6	10	8	6	0	0	0	0	1	2	3	5	14	6	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Roche's Point	*	*	*	*	*	*	*	*	*	*	0	0	0	0	2	2	7	9	11	0	0	0	0	0	1	3	4	12	11	0	0	0	0	0	1	4	10	7	8	1	0	
Baldonnel	*	*	*	*	*	*	*	*	*	*	0	0	2	0	2	1	9	17	0	0	0	0	1	0	7	0	8	10	6	0	0	0	1	2	0	2	0	8	17	1	0	
	0	0	0	1	6	6	6	9	3	0	0	0	0	1	5	5	7	11	2	0	0	0	0	2	2	3	4	16	13	1	0	0	1	1	4	8	6	7	2	2		
Manchester (Alexandra Park)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Holyhead	0	0	0	0	0	1	11	14	5	0	0	0	0	0	1	3	7	18	2	0	0	0	1	1	3	10	10	6	0	0	0	0	0	1	3	15	10	2	0			
Pembroke (St. Ann's Head)	1	0	1	0	1	1	2	10	6	9	0	1	0	0	1	1	5	3	9	11	0	1	1	0	1	2	3	4	10	6	0	1	0	0	0	1	5	1	7	10	7	
Ross-on-Wye	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	4	4	12	8	0	0	0	1	2	3	2	9	7	7	0	0	0	0	1	5	1	7	10	7		
Scilly	0	0	0	1	0	1	3	11	15	0	0	0	1	0	0	1	6	14	9	0	0	0	2	1	1	4	3	13	7	0	0	0	3	1	1	2	5	10	9	0		
Falmouth	0	0	0	1	3	2	6	12	7	0	0	0	0	3	3	0	5	18	2	0	0	2	0	1	4	2	4	10	8	0	0	0	3	2	2	5	9	10	0	0		
Cattewater	0	0	0	1	3	2	6	12	7	0	0	0	0	3	3	0	5	18	2	0	0	0	0	0	3	6	6	8	14	0	0	0	1	0	3	2	6	6	13	0		
Calshot	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	3	9	11	8	0	0	0	0	1	3	6	11	9	0	0	0	0	1	0	2	6	6	16	0	0		
Lympe	0	0	2	1	0	2	5	7	14	0	0	0	0	0	3	1	4	6	7	10	0	0	0	1	1	3	6	11	9	0	0	0	0	1	0	2	6	6	16	0		
	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Tynemouth	0	0	0	5	10	1	9	3	3	0	0	0	1	3	10	3	11	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	7	3	3	2	0		
Howden	0	0	0	2	5	16	7	0	0	0	0	0	0	3	6	12	10	0	0	0	0	0	1	1	4	6	9	9	0	1	0	0	0	1	1	9	11	7	2	0		
Cranwell	1	0	0	0	2	5	16	7	0	0	0	0	0	3	6	12	10	0	0	0	0	1	1	4	6	9	9	0	1	0	0	0	0	1	1	9	11	7	2	0		
Felixstowe	0	0	1	1	4	13	5	7	0	0	0	0	0	1	4	12	8	4	2	0	0	0	0	1	5	6	5	11	3	0	0	1	0	0	4	15	8	2	1	0		
	0	0	0	1	0	6	15	8	1	0	0	1	0	0	2	5	11	11	1	0	0	0	0	0	0	3	7	10	9	2	0	0	0	1	1	0	6	10	12	1	0	
Yarmouth	0	0	0	0	2	0	4	16	2	7	0	1	0	1	3	0	4	15	0	7	0	0	2	1	5	6	13	2	0	2	0	0	2	1	3	1	12	9	2	1		
Shoeburyness	*	*	*	*	*	*	*	*	*	*	0	0	0	2	0	0	9	20	0	0	0	1	0	2	0	4	11	10	3	0	0	0	3	5	0	2	10	11	0	0		
Isle of Grain	*	*	*	*	*	*	*	*	*	*	0	0	0	3	3	11	7	7	0	0	0	1	1	2	5	12	7	2	1	0	0	0	0	3	5	7	12	4	0	0		
Benson	*	*	*	*	*	*	*	*	*	*	0	0	0	0	4	13	6	4	3	1	0	0	0	2	2	10	10	5	2	0	0	0	0	1	0	9	10	14	0	0		
S. Farnboro'	*	*	*	*	*	*	*	*	*	*	1	0	1	2	8	7	12	0	0	0	0	0	1	3	1	9	6	4	0	0	0	0	1	2	4	10	14	0	0	0		
London (Kew Obsy.)	*	*	*	*	*	*	*	*	*	*	2	0	1	0	8	9	5	5	1	0	0	0	1	1	6	14	6	0	2	1	0	0	1	1	0	8	13	6	1	1	0	
Croydon	0	0	2	1	2	12	9	4	1	0	0	0	1	6	5	14	5	0	0	0	0	0	2	5	3	12	8	1	0	0	0	0	3	3	7	12	6	0	0			
	0	0	0	2	1	2	12	9	5	0	0	0	1	6	6	13	5	0	0	0	0	0	0	2	5	3	14	6	1	0	0	0	0	3	3	8	12	5	0	0		
H.M.S.																																										



# SUMMARY OF RECORDS OF TEMPERATURE, SUNSHINE.

Equivalents of Temperature. A°. F°.		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.	18h.														
32° or below	33° — 41°	42° — 50°	51° — 59°	23° or below	24° — 32°	33° — 41°	42° — 50°	51° — 59°	Highest Maximum.	Lowest Maximum.	Highest Minimum.	Lowest Minimum.	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.																																
Aberdeen	...	0	8	15	8	0	8	19	4	0	56	22	37	14	45	21	30	14	13	*	*	*	2	19	1	0	21	5	0	17	2	
Leith	...	0	5	11	15	0	4	21	5	1	55	3	36	24	51	29	28	15	3	*	*	*	*	*	*	*	*	*	*	*	*	
Renfrew	...	0	4	15	12	0	7	17	7	0	54	3	38	14	49	21	26	15	4	12	16	0	9	20	0	15	14	0	13	15	0	
Eskdalemuir	...	0	8	21	2	3	8	16	4	0	51	28	35	14	47	29	15	15	4	12	17	0	10	20	1	11	18	2	8	18	4	
Tynemouth	...	0	4	15	12	0	3	20	7	1	56	9	38	14	51	29	30	16	*	*	*	*	*	*	*	*	*	*	*	*	*	
Howden	...	0	4	13	14	0	7	16	6	2	57	9	37	15	52	10	25	14	11	*	*	*	*	*	*	*	*	*	*	*	*	
Cranwell	...	0	2	15	14	0	4	17	9	1	56	9	34	15	51	4	25	14	3	6	19	2	6	18	7	9	18	4	7	22	2	
Yarmouth	...	0	0	16	15	0	2	17	12	0	57	9	43	14	49	10	31	16	2	*	*	*	*	*	*	*	*	*	*	*	*	
Nottingham	...	0	4	8	19	0	3	15	12	1	57	9	38	14	52	10	27	14	5	*	*	*	*	*	*	*	*	*	*	*	*	
I. of Grain	...	0	2	9	20	0	4	15	13	0	56	10	40	14	50	10	30	16	5	*	*	*	9	18	0	9	18	0	8	19	0	
Benson...	...	0	1	12	18	0	5	14	12	0	56	9	41	15	50	10	26	15	10	*	*	*	*	*	*	*	*	*	*	*	*	
London	(Kew Obsy.)	0	2	10	19	0	3	11	16	1	56	9	40	15	51	10	25	17	6	*	*	*	10	17	0	6	19	0	2	17	2	
Croydon	...	0	1	12	18	0	2	13	15	1	57	9	36	16	52	10	29	15	4	11	9	0	20	5	0	19	7	1	14	14	0	
Manchester	...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Bidston	...	0	1	13	17	0	1	11	18	1	57	9	41	13	51	10	32	15	4	*	*	*	*	*	*	*	*	*	*	*	*	
Holyhead	...	0	0	16	15	0	0	10	21	0	53	9	43	13	50	10	34	15	1	*	*	*	*	*	*	*	*	*	*	*	*	
Falmouth	...	0	0	7	24	0	0	12	16	3	55	9	46	13	52	10	35	14	1	9	19	0	7	24	0	10	21	0	11	19	1	
Calshot	...	0	0	16	15	0	1	6	24	0	54	20	37	15	49	5	31	15	1	12	12	0	9	19	0	13	14	1	7	22	0	
Lympne	...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Dublin	(Phoenix Park)	0	1	8	22	0	4	12	13	2	57	25	41	13	53	9	26	14	4	*	*	*	*	*	*	*	*	*	*	*	*	
Baldonnell	...	0	1	9	21	0	3	12	16	0	55	9	41	13	49	9	30	14	4	5	19	0	7	22	0	10	20	1	12	8	0	
Birr Castle	...	0	1	10	20	0	3	16	11	1	55	3	40	13	52	10	28	14	9	*	*	*	*	*	*	*	*	*	*	*	*	
Valencia	...	0	8	23	0	0	0	5	23	3	55	9	44	13	52	10	33	14	1	*	*	*	9	21	1	16	15	0	18	13	0	

UPPER AIR TEMPERATURE.										MINIMUM SURFACE HUMIDITY.									
		BALDONNEL.		SHOEBURYNESS.		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	0	3	11	12	4	1	0	0	0
950	1210	33	42	9	45	1	38	7	41	Eskdalemuir	0	1	8	10	7	4	0	0	0
850	4680	26	34	8	34	1	30	7	34	Valencia	0	2	7	11	8	3	0	0	0
750	7950	18	24	8	28	1	22	6	25	Falmouth	0	4	6	9	11	1	0	0	0
650	11440	7	16	6	-	0	13	5	14	Aberdeen	0	0	6	5	10	9	0	0	0
550	11540	-6	-8	1	-	0	-	0	8	Leith	0	2	6	13	7	3	0	0	0
										Benson	0	3	10	13	4	1	0	0	0
										London (Kew Obsy.)	0	3	9	16	5	1	0	0	0



## RAINFALL, HUMIDITY AND LOW CLOUD. JANUARY, 1921.

STATIONS.	SUNSHINE.										RAINFALL.										Days with Thunder.	Days with Snow or Sleet.	
	Number of days with duration					Maximum Duration.						Number of days with amount.											
	Nil.	0-1-3h.	3-1-6h.	6-1-9h.	Above 9h.	Hours.	Date.	Total for past 12 months.	Difference from Average.	Total for Month.	Difference from Average.	0, trace or 0-1 mm.	0-2-1 mm.	1-1-5 mm.	5-1-15 mm.	15-1-25 mm.	Above 25 mm.	Total for past 12 months.	Difference from Average.	Total for month.			Difference from Average.
Equivalent of Temperature.																							
A°. F°. 283-6 51. 288-0 59. 288-6 60. 293-0 68. 293-6 69. 298-0 77. 298-6 78. 303-0 86.																							
STATIONS.																							
hours. hours. hours. hours.																							
mm. mm. mm. mm.																							
Aberdeen	8	17	3	3	0	69	30	1380	-7	51	+3	13	7	8	1	0	0	700	-48	33	-22	0	5
Leith	*	*	*	*	*	*	*	*	*	*	*	6	13	7	3	2	0	753	+161	98	+56	0	2
Renfrew	17	11	3	0	0	60	{13 14	*	*	33	*	1	6	11	11	2	0	*	*	166	*	0	4
Eskdalemuir	23	4	4	0	0	58	14	1102	*	24	*	3	3	9	8	5	3	1742	*	312	*	0	5
Tynemouth	*	*	*	*	*	*	*	*	*	*	*	16	5	5	3	1	1	695	+74	98	+57	0	1
Howden	16	13	1	1	0	61	19	*	*	22	*	19	9	7	3	0	0	*	*	45	*	0	1
Cranwell	10	16	5	0	0	60	21	1446	*	38	*	*	*	*	*	*	*	595	*	51	*	0	1
Yarmouth	11	12	8	0	0	60	{16 19	1712	*	59	*	12	10	9	0	0	0	517	-105	38	-6	0	0
Nottingham	15	14	11	0	0	48	21	1064	-261	16	-18	13	8	7	3	0	0	633	+35	48	+2	0	1
L. of Grain	9	14	5	3	0	74	16	*	*	54	*	15	7	8	1	0	0	*	*	32	*	0	1
Benson...	*	*	*	*	*	*	*	*	*	*	*	13	7	7	4	0	0	599	*	64	*	0	0
London (Kew Obsy.)	13	15	3	0	0	38	16	1277	-198	30	-13	13	4	12	2	0	0	597	-9	52	+7	0	0
Croydon	*	*	*	*	*	*	*	*	*	*	*	12	8	8	1	0	0	*	*	47	*	0	0
Manchester	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Bidston	11	15	5	0	0	54	21	1247	*	43	*	9	8	10	4	0	0	853	+144	75	+21	0	1
Holyhead	17	10	4	0	0	55	14	1202	*	29	*	8	4	12	6	1	0	1261	+373	145	+71	0	0
Falmouth	9	15	7	0	0	50	7	1496	-263	41	-17	7	5	11	7	1	0	1118	+11	104	-3	1	0
Calshot...	10	16	5	0	0	66	14	1578	*	41	*	11	7	8	4	0	1	659	*	90	*	0	0
Lympne	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Dublin... (Phoenix Park)	9	16	6	0	0	47	21	1325	-182	43	-14	6	8	13	4	0	0	830	+125	81	+23	0	0
Baldonnel	14	12	5	0	0	44	7	1167	*	34	*	5	8	16	1	1	0	852	*	75	*	0	0
Birr Castle	14	11	5	1	0	64	13	1159	-184	38	-12	6	8	10	7	0	0	930	+101	95	+23	0	0
Valencia	11	17	3	0	0	32	16	1186	-259	30	-18	2	5	15	6	3	0	1582	+168	134	-5	1	1

## TELEGRAPHIC CODE.

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

## REMARKS ON CHART OF ISOPLETHS FOR JANUARY 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 19h. 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. 44° N., Long. 4° E. in the south.

Deep depressions frequently passed between Iceland and Scotland as they travelled Eastward. They were accompanied by numerous minor disturbances which affected the British Isles in general, while on two occasions the main system was centred over these regions: about 12th - 13th and again at the close of the month.

At times pressure increased considerably over Iceland and rose to 1024 mb about 23rd - 24th, when heavy falls of snow were reported from some parts of Scotland.

1,320 mb. 1,000 mb. 800 mb. 600 mb.



# PRESSURE: ICELAND TO GULF OF LYONS JANUARY 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. B21,590

SATURDAY, 1ST JANUARY, 1921.

## OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 18H.

STATIONS.	12H. G.M.T. OF 31ST DEC. 1920											12H. G.M.T. OF 31ST DEC. 1920											
	Barom. at M.S.L. mb.	Change in 3 hours.	WIND. Direc. Force 0-12.	Temp. °F.	Humidity. %	Visibility. 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-9.	Barom. at M.S.L. mb.	Change in 3 hours.	WIND. Direc. Force 0-12.	Temp. °F.	Humidity. %	Visibility. 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-9.			
Renfrew ...	988.9	-5	NNW	2	47	97	2	1,250	Nb	10	993.5	+5	SW	4	50	75	8	4,200	StCu	2	ASc	1	*
Esksdalemuir ...	990.5	-5	SSW	6	49	92	3	1,250	Nb	10	993.4	+6	SW	5	47	85	6	-	StCu	6	-	-	*
Valencia (Cahire's) ...	996.7	+6	WSW	3	52	75	8	3,000	StCu	3	1000.8	+4	S	4	51	85	7	2,000	StCu	7	-	-	4
Baldonnell ...	994.3	+7	SW	6	55	78	8	1,250	StCu	6	999.4	+7	SW	5	48	85	7	-	-	-	ASc	1	*
Manchester (Alex. PK) ...	996.9	+1	SSW	4	52	85	5	1,250	Nb	9	1001.0	+6	SW	4	52	85	5	2,000	Nb	5	-	-	2
Ross on Wye ...	1000.1	0	WSW	5	54	97	7	1,250	Nb	10	1004.6	+6	W	2	53	85	8	2,000	Nb	9	-	-	*
Falmouth ...	1002.7	+2	SW	7	55	97	3	-	Nb	10	1007.9	+7	SW	6	53	92	4	-	Nb	10	-	-	*
Calshot (Hants) ...	1003.5	-3	SSW	6	51	97	4	<500	Nb	10	1008.3	+6	SW	5	52	97	8	1,250	St	10	-	-	5
Lymington (Folkestone) ...	1006.4	-3	SSW	6	49	97	4	<500	Nb	10	1007.6	+2	SSW	7	52	97	1	<500	Nb	10	-	-	*
Aberdeen ...	994.1	-10	SE	6	45	92	5	1,250	Nb	10	988.7	-3	SSW	2	48	92	4	2,000	Nb	10	-	-	4
Howden ...	996.7	-2	SSW	3	52	97	5	1,250	St	10	999.9	+8	WSW	4	51	85	5	3,000	StCu	4	-	-	*
Cranwell (Lincoln) ...	999.1	-3	SW	5	53	97	6	1,250	StCu	10	1001.0	+3	WSW	8	54	92	6	2,000	StCu	9	-	-	*
Felixstowe ...	1006.5	-4	S	5	49	97	5	1,250	Nb	10	1006.2	+2	SSW	4	51	97	5	750	Nb	10	-	-	4
Shoeburyness ...	1004.7	-4	SSW	5	52	92	6	1,250	Nb	10	1005.5	+2	W	5	54	85	7	3,000	StCu	9	-	-	*
Benson ...	1001.0	-1	SSW	5	52	92	4	-	Nb	10	1005.3	+3	SSW	4	55	92	4	-	St	10	-	-	*
S. Farnborough ...	1003.3	-3	SW	7	53	92	5	<500	Nb	10	1006.4	+6	SSW	6	55	92	7	1,250	Nb	10	-	-	*
London (Kew Obs.) ...	1003.1	-4	SW	4	53	92	5	1,250	Nb	8	1006.0	+5	SW	4	56	85	5	2,000	St	4	ASc	1	*
Croydon ...	1004.6	-2	S	5	51	97	6	750	Nb	10	1006.5	+3	WSW	5	54	92	6	1,250	St	7	-	-	*
7H. G.M.T. OF 1ST JAN. 1921																							
Renfrew ...	1000.7	+5	SW	5	48	92	7	-	StCu	2	1003.9	+4	SSW	4	47	85	7	2,000	StCu	9	-	-	4
Esksdalemuir ...	1001.8	+4	0	51	45	92	5	1,250	Nb	10	1006.2	+2	SW	5	45	92	7	2,000	St	8	-	-	*
Valencia (Cahire's) ...	1003.1	0	SSW	3	51	*	*	*	*	*	1004.6	+2	S	4	52	85	6	3,000	StCu	7	CiSt	3	*
Baldonnell ...	1004.9	+3	SSW	5	47	85	6	-	ASc	1	1004.8	-1	SSW	5	50	85	6	2,000	St	10	-	-	*
Manchester (Alex. PK) ...	*	*	*	*	*	*	*	*	*	*	1009.6	+1	SSW	2	50	85	4	3,000	Nb	4	CiSt	3	*
Ross on Wye ...	*	*	*	*	*	*	*	*	*	*	1011.9	+2	SSW	3	50	85	8	2,000	StCu	10	-	-	*
Falmouth ...	1011.6	+1	SW	5	51	97	7	-	StCu	8	1017.7	0	SW	3	52	97	3	-	Nb	10	-	-	*
Calshot (Hants) ...	1012.9	+2	SW	3	51	92	*	*	*	*	1014.6	+1	S	3	50	97	3	<500	St	10	-	-	2
Lymington (Folkestone) ...	1012.9	+5	SW	5	50	92	6	1,250	St	10	1015.4	+1	SW	2	50	97	1	<500	St	10	-	-	*
Aberdeen ...	*	*	*	*	*	*	*	*	*	*	1001.4	+4	-	0	44	85	6	-	-	-	-	-	3
Howden ...	1006.8	+4	WSW	1	45	85	6	-	*	*	1009.7	+3	SSW	1	43	92	5	3,000	StCu	6	ASc	4	*
Cranwell (Lincoln) ...	1008.7	+6	W	3	47	92	5	-	ASc	1	1011.8	+1	SW	3	42	97	5	-	-	ASc	10	-	*
Felixstowe ...	1012.1	+4	S	3	47	97	6	-	ASc	1	1015.0	+3	S	3	42	97	5	-	-	ASc	2	2	*
Shoeburyness ...	*	*	*	*	*	*	*	*	*	*	1014.3	+1	SSW	1	47	85	6	-	-	ASc	5	-	*
Benson ...	*	*	*	*	*	*	*	*	*	*	1013.3	+2	SSW	3	47	97	6	-	-	StCu	8	-	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	1013.9	+2	WSW	2	49	97	5	<500	St	10	-	-	*
London (Kew Obs.) ...	1011.5	+4	*	*	*	*	*	*	*	*	1014.3	+2	-	0	44	92	5	2,000	St	6	ASc	4	*
Croydon ...	1012.3	+4	WSW	4	49	92	7	-	CiSt	1	1014.4	+2	S	1	44	92	6	-	-	CiSt	7	-	*

## STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.

STATIONS.	Barom. at M.S.L.	Temp.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Dirac. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine
	mb.	°F.	Dirac.	Force 0-12.		at M.S.L. mb.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dirac.	Force 0-12.					Max. °F.	Min. °F.	Morning	Afternoon	Night.	Hours.
	12H. G.M.T. OF 31 <sup>ST</sup> DEC 1920																				
Lerwick	997.5	41	SE	8	ogf	993.0	+5	47	+4	SW	5	-	omd	4	9	49	40	og	og	omrg	*
Stornoway	985.2	47	S	3	od	996.5	+2	48	+2	WSW	5	-	C	4	7	48	44	or	od	b.b.c	0.0
Castlebay (Barras)	989.0	49	W	4	b	998.4	0	50	+3	S	4	-	op	4	4	51	47	r	r.o.b	b.p.cob	0.0
Malin Head	991.8	48	SW	3	bc	998.6	0	46	-3	SSW	3	SW	0	3	3	52	46	omr	cm	bc	0.3
Blackod Point	993.6	49	W	3	bc	998.0	+3	49	-1	SW	4	-	bc	5	6	52	46	omr	bc	b.c.c	*
Roche's Point	1002.7	48	WSW	1	b	1008.5	0	51	-2	WSW	2	-	0	4	0.2	54	48	o.c	bc b	b.o	*
Birt Castle	999.6	47	S	1	C	1003.4	*	50	-4	S	3	-	0	*	2	54	43	o.p.c	C	c.o	2.4
Donaghadee	997.3	47	W	2	bm	1002.8	0	47	-2	WSW	1	-	cm	1	1	54	44	o.p.c	bm	bcw	*
Liverpool (Baldern)	999.7	51	SW	4	b	1008.7	0	46	-3	SSE	3	S	0	3	0.3	53	46	o.c	b	bm.o	1.1
Holyhead	1000.4	51	SW	5	b	1006.8	0	50	0	SW	4	-	om	3	3	52	48	r.f.d. om	a.c.p b	b.b.op	0.0
Pembroke (St. Ann's Head)	1004.1	51	SW	4	bif	1009.9	0	50	-2	SW	3	-	oif	4	2	52	50	adm	cm.bcm	bm.b.c	1.4
Scilly (St. Mary's)	1007.2	52	W	4	bc	1010.8	0	52	-2	SSW	1	-	r.23f	4	3	54	51	oif	a.c.b.c.p	bc.bom	0.2
Jersey (St. Aubin)	1011.4	54	SSW	4	0	1015.0	0	53	+3	SSW	4	-	0	3	2	55	50	o.p.c	o.p.c	o.p.c	0.0
Portland Bill	1008.1	51	WSW	7	og	1010.7	0	50	+1	SW	5	-	fe	7	8	53	47	og.mt	og	og	*
Dungeness	1007.6	52	SW	7	r	1016.5	+1	50	-1	WSW	3	-	r	4	9	52	50	og	og	og	*
Wick	986.3	46	SSE	9	omrg	997.3	+5	43	-2	SW	3	-	b	2	11	46	42	og	omrg	omrg	*
Nairn	986.0	45	-	0	C	999.0	*	45	0	H	2	-	bc	2	4	47	43	odg	od.c	og.p.bc	0.0
Leith	991.1	50	SW	5	bc	1002.9	+2	47	+3	W	4	W	b	3	5	54	44	r	r.og.bc	bcg.b	*
Tynemouth	995.0	52	W	2	b2f	1005.8	+1	46	+1	SE	2	-	bcif	2	5	53	45	mt	cm	bcw.bm	*
Spurn Head	999.6	51	SW	4	b	1010.9	+4	44	0	SW	3	-	om	3	7	51	36	omr	oif	b.om	*
Yarmouth (H.M.S. Goliath)	1003.4	53	WSW	4	og	1013.7	+3	45	+1	SW	3	-	bc	2	9	54	44	omrg	omrg	b.bv.bc	0.0
Norton-on-Sea	1003.0	49	SSW	3	0	1014.3	+3	45	-1	SSW	2	-	bc	2	3	50	44	og	og	og	0.0
Nottingham	1001.6	55	SW	3	C	1011.0	*	44	-5	SW	1	SW	C	*	5	56	44	ro	o.c	bc.b	0.0

Information for these columns not usually received.

The barometric change is expressed in half millibars.

For code see page 3

See footnote p. 4.



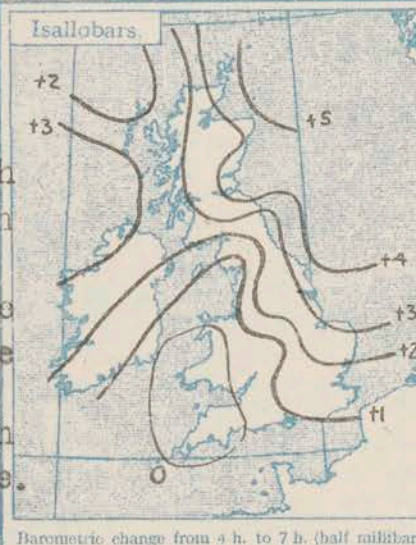
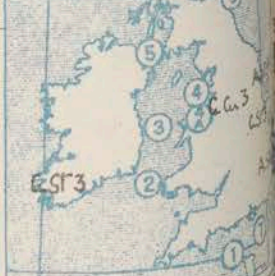
## SUMMARY OF CONDITIONS AT 7 h.G.M.T. 1.1.21.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Dull, misty, local rain.	Poor	Slight
2. E. England	Fair	Good	Smooth
3. E. Midlands	Dull, misty.	Indiff.	-
4. W. Midlands	Dull, misty.	Poor	-
5. S.W. England	Slight rain, misty.	Indiff.	Mod.
6. South Wales	Dull, misty.	Fair	Mod.
7. North Wales	Gloomy.	Fair	Slight
8. N.W. England	Dull, misty.	Poor	Slight
9. N. Midlands	Dull, misty	Indiff.	-
10. N.E. England	Fair to dull, misty.	Fair.	Smooth
11. E. Scotland	Fine, misty.	V. good	Slight
12. S.W. Scotland	Dull.	Good	V. smooth
13. Isle of Man	Dull, misty.	Fair.	V. smooth
14. N. & N.W. Scotland	Fair to fine.	Good	Slight
15. Hebrides	Dull, showery.	Fair.	Moderate
16. Orkneys and Shetlands	Dull, misty, rainy.	Indiff.	Moderate
17. N.W. Ireland	Fair	Good	R. rough
18. N.E. Ireland	Dull, misty.	Fair.	V. smooth
19. S.E. Ireland	Dull.	Fair.	Moderate.
20. S.W. Ireland	Dull.	Fair.	-

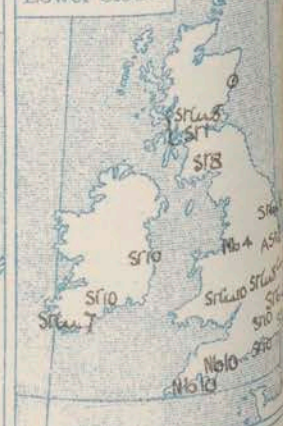
Temperature reported from Coastal and Cross Channel Steamers

Position Number.	Date	Time G.M.T.	Sea °F	Air °F
5.	31 <sup>st</sup> Dec.	08.48	49	50
1.	"	12.15	52	54
6.	"	15.00	51	52
7.	1 <sup>st</sup> Jan.	02.55	52	54
4A.	"	03.15	48	50

CHART OF POSITION NUMBERS and Upper Cloud



Lower Cloud.



## EXPLANATION

**BAROMETER.**—Isobars are drawn at intervals of two millibars. The pressure is shown by the number of millibars above or below the standard pressure of 1013.2 millibars.

**WIND.**—Direction is shown by the arrow pointing in the direction the wind is blowing from. Force, in knots, is indicated by the number of flags or pennants. Mean velocity is shown by the number of flags or pennants. Mean velocity is shown by the number of flags or pennants.

**TEMPERATURE.**—Temperature is given in degrees Fahrenheit.

**WEATHER SYMBOLS.**—

- clear sky.
- sky 1 clouded.
- sky 2 clouded.
- overcast sky.
- sleet.
- rain.
- thunder.
- thunder.
- thunder.

**SEA DISTURBANCE.**—

- Rough.
- High.

GENERAL INFERENCE from observations received up to 9h.

The general South-Westerly wind current is likely to maintain mild weather. Secondaries will cause much cloud with rain or drizzle in places.

Districts. Forecasts for the 24 hours commencing 15 h.G.M.T. Saturday, 1st January 1921.

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 SW moderate; variable sky, local drizzle or showers; visibility indifferent to fair, local mist; mild.

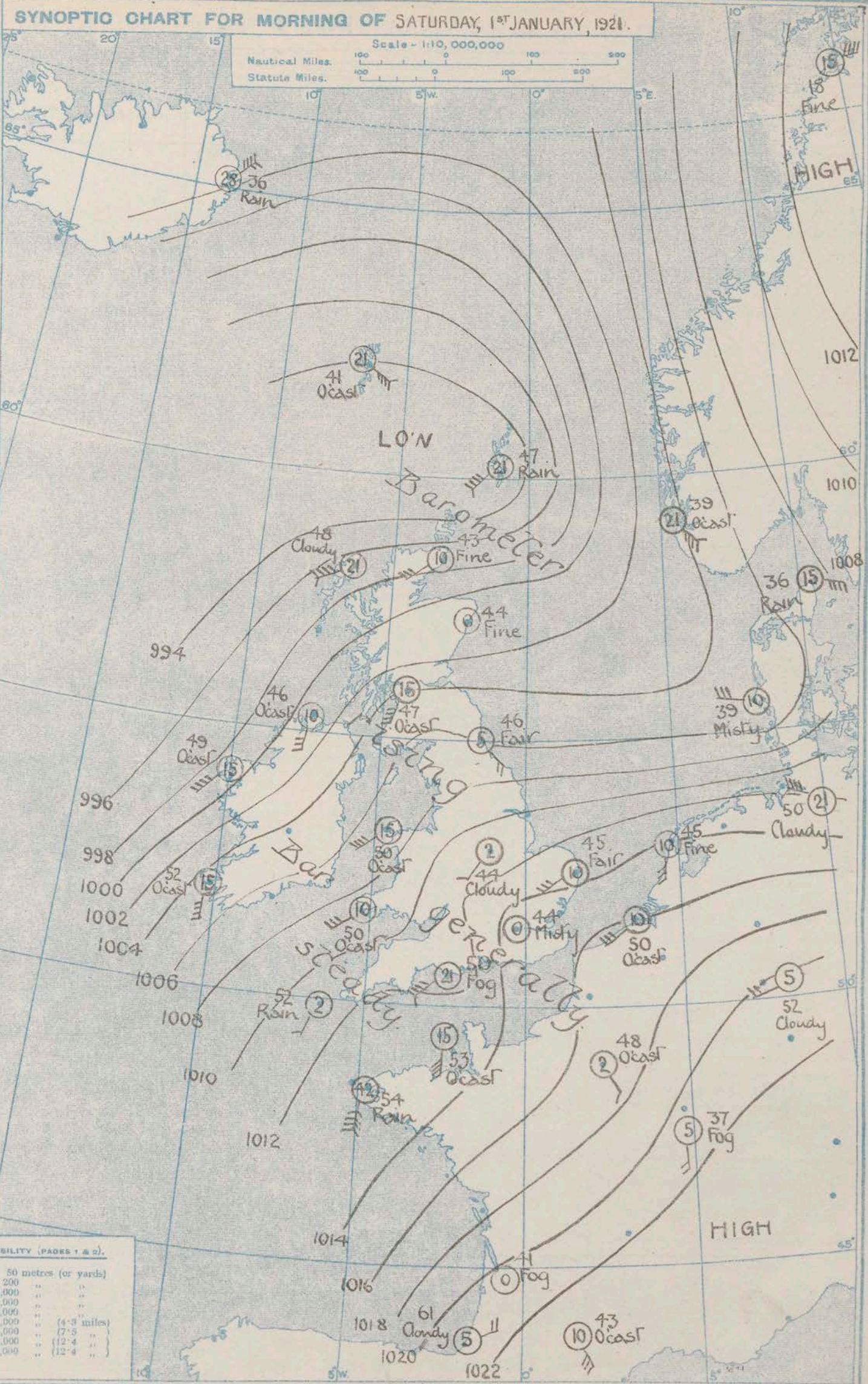
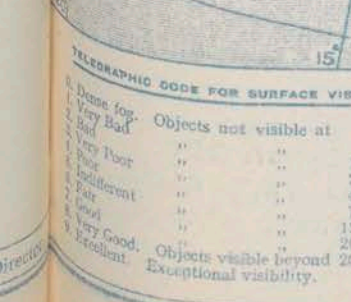
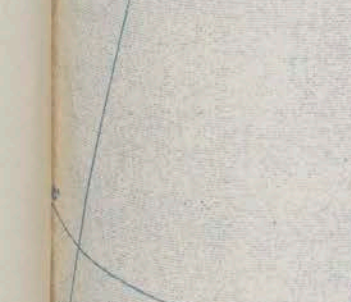
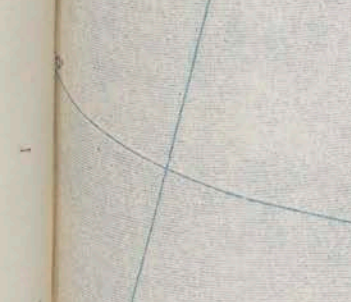
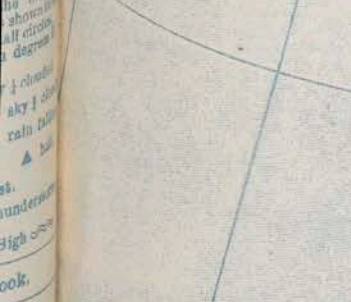
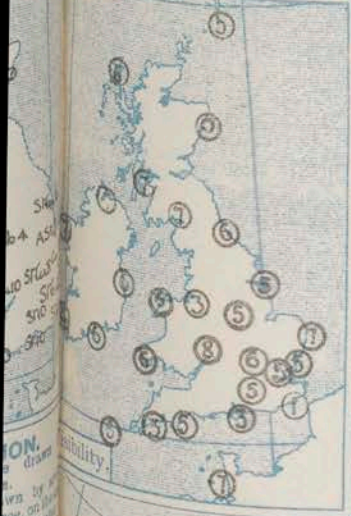
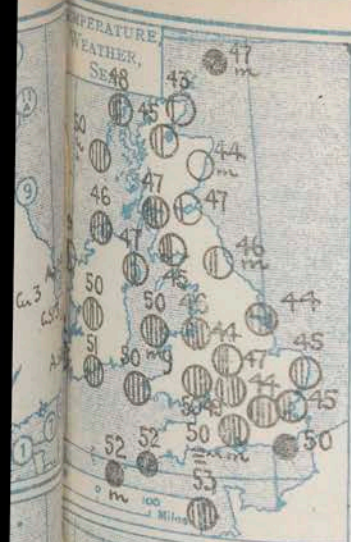
Wind S to SW moderate to strong; mainly cloudy or overcast, some rain; visibility varying indifferent to good; mild.

Continuing mild with South-Westerly winds and unsettled weather.



# SYNOPTIC CHART FOR MORNING OF SATURDAY, 1<sup>ST</sup> JANUARY, 1921.

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



## TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2).

Objects not visible at	50 metres (or yards)
Dense fog	200 "
Very Bad	1,000 "
Very Poor	2,000 "
Poor	4,000 "
Difficult	7,000 "
Fair	12,000 "
Good	20,000 "
Very Good	20,000 "
Excellent	20,000 "



WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 31<sup>st</sup> Dec. 1920

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		
	Forenoon.	Afternoon.	Max. F.	Min. F.	Night.	Day.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. F.	Min. F.	Night.	Day.	Sunrise to Sunset.		
					10h-11h.	12h-1h.							10h-11h.	12h-1h.		30"-31"	31"
Scotland.	Oban ... ..	od	to	51	36	6	6	0.0	England, N.W.	Douglas (L.O.M.)					0.0		
	Banff ... ..	rd	do	47	36	1	4	0.0		Blackpool ... ..	r.o	c	53	42	1	0.2	
	Montrose ... ..									Southport ... ..	o	o.coc	55	43	9	0.0	
	St. Andrews ... ..	o	c	52	33	15	9	0.0		Morecambe	x	x	53	40	9	0.3	
England, N.E.	Harrogate ... ..	ot	ot.c.b.c	54	?	5	3	0.1	Midlands.	Buxton ... ..							
	Scarborough ... ..	o	ot	54	41	2	3	0.0		Leamington Spa...	ot	o	55	44	7	1	0.0
	Skegness ... ..	ot	ot.c.b	52	40	5	5	0.0		Malvern ... ..							
England, E.	Lowestoft ... ..		ow	50	46	4	2	0.0	Wales.	Bath ... ..	r	r.c.c	57	46	4	3	0.0
	Felixstowe ... ..	ot	ot.do	51	40	4	1	0.0		Rhyl ... ..	c	b.c.c	56	48	1	-	1.4
	Southend-on-Sea...									Colwyn Bay ... ..	x	x	58	46	2	-	0.8
England, S.E.	Tunbridge Wells	ot	ot	54	47	4	7	0.0		Llandudno ... ..			58	48	1	-	0.0
	Margate ... ..	od	oc	56	46	3	0.2	0.0		Aberystwyth ... ..	r.ot	c.o	51	49	-	2	0.0
	Ramsgate ... ..	*	*	51	38	1	2	0.0		Tenby ... ..							
	Folkestone ... ..	r.r	r.r	53	46	2	5	0.0		Swansea ... ..							
	Hastings ... ..	ot	ot.m	52	48	5	8	0.0		Weymouth ... ..	r.y.r	r.ob	54	50	9	4	0.0
	Eastbourne ... ..	r	r	54	49	6	3	0.0		Teignmouth ... ..							
	Brighton ... ..	ot	ot.d	52	49	5	7	0.0		Torquay ... ..	ot	ot.d.o	55	51	16	6	0.0
	Worthing ... ..	r	r	52	48	6	5	0.0		Paignton ... ..	ot	ot.b.c	56	50	16	3	0.0
	Littlehampton ... ..	ot	ow	52	47	5	3	0.0		Penzance ... ..	ot.d	ot.c	55	51	21	2	0.0
	Portsmouth (S. Chas.)	*	*	54	48	6	3	0.0		Newquay ... ..	ot.d	ot	55	50	9	2	0.0
	Bournemouth ... ..	*	*	54	48	8	2	0.0		Bude ... ..	r	r.o.c	57	49	7	2	0.0
	Ventnor (I. of W.)	*	*							Ilfracombe ... ..	ot	o	56	50	18	3	0.0
										Weston-s-Mare ... ..	r	r.c	55	47	2	3	0.0

## SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	7h-12h.	12h-1h.	Max. F.	Min. F.	Day. 7h-12h.	Night. 12h-1h.	Hours.	
Renfrew ...	ot.r	ot.c.b.c	52	43	0.0	0.0	0.0	
Edinburgh ...	ot.r	ot.c.b.c	50	42	0.0	0.0	0.0	
Valence (Canal) ...	ot.c.b.c	ot.c.b.c	53	49	0.0	0.0	0.0	
Baldonnel ...	ot.c.b.c	ot.c.b.c	50	47	0.0	0.0	0.0	
Manchester (Alex. Ph.)	ot.r	ot.c.b.c	56	43	0.0	0.0	0.0	
Ross on Wye ...	ot.r	ot.c.b.c	55	48	0.0	0.0	0.0	
Falmouth ...	ot.r	ot.c.b.c	54	51	0.0	0.0	0.0	
Calshot (Hants) ...	ot.r	ot.c.b.c	53	48	0.0	0.0	0.0	
Lympne (Folkestone)	ot.r	ot.c.b.c	52	45	0.0	0.0	0.0	
Aberdeen ...	ot.r	ot.c.b.c	48	43	0.0	0.0	0.0	
Howden ...	ot.r	ot.c.b.c	54	38	0.0	0.0	0.0	
Cranwell (Lincs) ...	ot.r	ot.c.b.c	56	39	0.0	0.0	0.0	
Felixstowe ...	ot.r	ot.c.b.c	51	44	0.0	0.0	0.0	
Shoeburyness ...	ot.r	ot.c.b.c	55	43	0.0	0.0	0.0	
Benson ...	ot.r	ot.c.b.c	55	44	0.0	0.0	0.0	
S. Farnborough ...	ot.r	ot.c.b.c	56	43	0.0	0.0	0.0	
London (New Obs.)	ot.r	ot.c.b.c	56	43	0.0	0.0	0.0	
Croydon ...	ot.r	ot.c.b.c	55	47	0.0	0.0	0.0	

## BEAUFORT NOTATION.

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.
e	wet air without rain falling.
f	fog.
g	gloom.
h	hail.
i	lightning.
m	mist.
o	overcast sky.
p	passing showers.
q	squalls.
r	rain.
s	sleet, i.e., rain and snow together.
t	thunder.
u	ugly, threatening sky.
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.

## THE BEAUFORT SCALE OF WIND FORCE.

No.	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.0
2	4-7	1.0-1.9
3	8-12	2.0-3.3
4	13-18	3.4-5.0
5	19-24	5.1-6.7
6	25-31	6.8-8.5
7	32-38	8.6-10.4
8	39-46	10.5-12.8
9	47-54	12.9-15.0
10	55-63	15.1-17.7
11	64-75	17.8-20.8
12	Above 75	20.9 or above

## SYMBOLS—

Aurora	☄	Solar halo	☉
Rime	☃	Lunar halo	☾
Glazed frost	☃	Solar corona	☉
Glazed roads	☃	Lunar corona	☾

## LONDON OBSERVATIONS.

	MORNING.	AFTERNOON.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	MOON.	G.M.T.	G.M.T.
	24 HOURS ENDED 9H G.M.T. ... 1st Jan.							YESTERDAY.		TO-DAY.
Greenwich (Royal Observatory)	ot.r	ot.r 0	ocb.0	56	44	35	2	0.0	90	96
City (Bunhill Row) ...	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James's Park)	*	*	*	57	45	37	2	0.0	86	91
Regent's Park (Botanical School)	*	*	*	*	*	*	*	0.0	*	*
Canoe Sq. (British Museum)	*	*	*	*	*	*	*	*	*	*
Kensington Palace ...	or	0	*	55	44	36	2	*	74 (18h)	97
Hampstead Observatory ...	*	*	*	54	46	39	3	0.0	*	97

## SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday	77
Total	77
Average Rate	2.7
Maximum Rate	5

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

Station.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth...	8.6	11.57	3.48
Greenwich	8.8	12.4	4.0
Wick	9.5	12.16	3.27
Valencia	8.51	12.45	4.24

## Photographic Record of

## Pole Star (Polaris) and of 2 Ursa

## Minors at Greenwich Observatory.

Exposure from 10h. to 11h. ... m.  
 of 10h. to 11h. ... m.

Sign.	Duration of Exposure	Duration of Record	%
Polaris	h. m.	h. m.	%
2 Ursa			
Minors			

## NOTES ON THE WEATHER OF YESTERDAY.

Rain fell very generally over the whole of the United Kingdom the amount being between 5 and 10mm in most localities. Sunshine was practically nil except in Ireland, where 2-3 hours were enjoyed; and locally in the West of England and Wales. Temperature remained very high for the season, reaching 55° or 56° at many Southern stations.



## AIR MINISTRY.

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

BRITISH SECTION.

No. B. 21591.

Sunday, 2<sup>nd</sup> January, 1921.

## OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 18H.

STATIONS.	12H. G.M.T. OF 1 <sup>st</sup>														18H. G.M.T. OF 1 <sup>st</sup>													
	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Force 0-12.	Weather.	Temp. °F.	Humidity %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Sea 0-9.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Force 0-12.	Weather.	Temp. °F.	Humidity %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Sea 0-9.
Renfrew ...	1005.6	+2	SSW	5	01f	50	85	7	2000	ScCu	2	CiSt	7	*	1006.6	+1	SSW	4	bcif	47	92	6	4200	ScCu	6	-	-	*
Eskdalemuir ...	1007.0	0	SW	5	02m	47	92	4	1250	Nb	10	-	-	*	1008.1	+2	SW	4	c2f	46	92	5	2000	Sc	8	-	-	*
Valencia (Cahire'n)	1005.9	-1	S	3	0	53	88	7	750	Sc	7	ACu	2	4	1004.6	-1	S	2	0	51	92	6	750	Sc	7	ASr	2	4
Baldonnel ...	1007.7	+1	SW	4	c1f	52	88	6	2000	ScCu	3	ACu	5	*	1008.3	-1	SSW	3	01f	51	85	5	3000	Sc	10	-	-	*
Didsbury ...	1010.7	-1	SW	3	01f	50	85	4	-	-	-	ASr	10	*	1010.2	-1	SSW	2	cdm	48	85	3	3000	Nb	5	ASr	3	*
Ross on Wye ...	1011.7	-2	-	0	01f	49	97	3	750	Nb	10	-	-	*	1011.0	-1	S	1	01f	50	97	5	1250	Nb	10	-	-	*
Falmouth ...	1011.0	-2	SW	1	d.b.f.e	53	97	1	-	Nb	10	-	-	*	1009.9	-2	SSW	7	01f	54	97	2	-	Nb	10	-	-	*
Calshot (Hants) ...	1013.9	-2	SSW	5	01f	51	37	4	4500	Nb	10	-	-	2	1013.9	0	SSW	5	01f	52	97	5	4500	Nb	10	-	-	3
Lymington (Folkestone)	1015.4	-1	SW	5	01f	52	97	1	4500	Nb	10	-	-	*	1015.0	0	SW	5	01f	51	97	1	4500	Nb	10	-	-	*
Aberdeen ...	1002.5	+1	SSW	3	c2f	49	78	5	2000	Sc	6	CiCu	1	3	1005.2	+2	SSW	2	b2f	46	85	5	-	-	-	CiCu	1	2
Howden ...	1010.7	-1	SSW	3	0	48	92	5	3000	Sc	5	Ci	3	*	1010.9	0	SSW	2	C	45	97	4	3000	Sc	5	ASr	3	*
Cranwell (Lincs) ...	1013.0	0	SW	3	0	49	92	6	750	ScCu	6	ASr	4	*	1012.1	-1	SSW	2	01f	48	97	4	2000	Nb	10	-	-	*
Felixstowe ...	1015.6	-1	S	3	02f	48	97	4	750	Sc	10	-	-	*	1014.2	-1	S	3	01f	49	97	2	750	Sc	10	-	-	*
Shoeburyness ...	1014.9	-1	SSW	1	01f	52	92	2	1250	Sc	10	-	-	*	1013.4	-1	SSW	5	01f	53	92	6	1250	Nb	10	-	-	*
Benson ...	1012.7	-3	SSW	4	01f	52	97	3	-	Nb	10	-	-	*	1011.6	0	SSW	2	01f	54	92	3	-	Nb	10	-	-	*
S. Farnborough ...	1013.6	-1	SW	2	01f	53	97	4	4500	Nb	10	-	-	*	1013.1	0	SSW	5	01f	53	92	5	4500	Nb	10	-	-	*
London (Kew Obs.)	1013.6	-4	SSW	2	01f	53	97	4	2000	ScCu	8	ASr	2	*	1013.1	0	SW	4	01f	54	92	5	2000	ScCu	8	ASr	2	*
Croydon ...	1014.5	0	S	2	01f	53	97	4	750	Nb	10	-	-	*	1014.0	0	SW	4	01f	53	97	6	750	Sc	10	-	-	*
Renfrew ...	1006.6	-1	NNE	1	01f	43	97	6	2000	Sc	10	-	-	*	1004.1	-2	-	0	01f	41	97	3	2000	Sc	10	-	-	*
Eskdalemuir ...	1006.7	-2	-	0	01f	45	97	1	750	Sc	10	-	-	*	1003.2	-3	N	3	C	44	92	6	3000	Sc	4	ASr	3	*
Valencia (Cahire'n)	1003.4	0	SSE	1	bc	49	*	*	*	*	*	*	*	1	1002.4	-1	S	2	Cf	50	92	6	3000	Cu	8	-	-	*
Baldonnel ...	1004.6	-4	NNE	1	01f	49	92	4	2000	Sc	10	-	-	*	1003.0	-2	-	0	01f	47	97	5	1250	Nb	10	-	-	*
Didsbury ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1001.1	-4	S	4	01f	50	92	4	1250	Nb	10	-	-	*
Ross on Wye ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1002.6	-3	SW	4	0	53	85	9	3000	ScCu	10	-	-	*
Falmouth ...	1005.6	-5	SSW	7	01f	52	97	4	-	Nb	10	-	-	*	1006.6	+1	SW	6	01f	51	97	3	-	Nb	10	-	-	*
Calshot (Hants) ...	1011.9	-2	SSW	4	0	51	85	8	1250	Sc	10	-	-	3	1007.1	-4	SSW	6	01f	50	97	6	750	Nb	10	-	-	4
Lymington (Folkestone)	1013.5	-2	SW	4	bc	50	92	8	2000	ScCu	5	-	-	*	1009.1	-4	SW	5	01f	50	85	8	750	Sc	10	-	-	*
Aberdeen ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1005.3	-1	W	1	C2f	36	92	5	-	-	-	ASr	8	2
Howden ...	1007.0	-5	-	0	r	44	92	4	1250	Nb	10	-	-	*	1002.2	-8	S	1	01f	49	97	4	3000	Nb	2	ACu	8	*
Cranwell (Lincs) ...	1007.4	-3	SW	2	01f	51	97	4	4500	Nb	10	-	-	*	1003.7	-3	SW	4	01f	49	97	4	750	Sc	10	-	-	*
Felixstowe ...	1012.9	-2	SSW	4	C	49	92	6	3000	Sc	3	ASr	4	3	1008.8	-4	S	4	0	47	92	7	5700	ScCu	10	-	-	3
Shoeburyness ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.0	-3	SW	6	C	51	75	7	3000	ScCu	8	-	-	*
Benson ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1008.0	-4	SW	5	0	50	92	5	-	Sc	10	-	-	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1006.3	-6	S	4	01f	50	97	6	4500	Nb	10	-	-	*
London (Kew Obs.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1006.3	-5	SSW	5	01f	52	85	7	2000	ScCu	8	ASr	2	*
Croydon ...	1012.4	-3	SW	4	01f	53	75	6	2000	Sc	10	-	-	*	1007.8	-5	SSW	5	01f	51	85	5	750	Nb	10	-	-	*

STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.																									
STATIONS.	BAROM. at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea	Rainfall †	TEMP.		WEATHER.			Sunshine Hours.				
	mb.	°F.	Direc.	Force 0-12.		at M.S.L. mb.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.					
19h. G.M.T. of					7h. G.M.T. of										24 HOURS ENDED 7h.										†
Derwick	1001.3	46	S	3	omd	1003.1	+1	46	-1	S	2	-	b	1	10	48	43	bc	omr	omr	*				
Stornoway	1000.5	46	S	4	bctg	1001.8	0	45	-3	SW	2	-	c	3	8	48	43	cgo	obcpg	bcc	0.0				
Castlebay (Barra Is)	1003.3	50	SW	4	c	1002.1	-1	48	-1	SSE	3	-	o	3	2	51	48	opem	cmopc	obc.o	1.4				
Malin Head	1004.2	47	SSW	2	bc	1001.2	-1	44	-2	SSW	1	-	bcm	1	-	49	42	bc	cm	bcm	2.4				
Blacksod Point	1002.6	48	SW	2	bc	1001.3	-2	47	-2	SW	2	-	c	3	-	52	42	bc	bc	bcc	*				
Roche's Point...	1007.0	50	SW	2	efe	1004.4	0	47	-4	WSW	2	-	o	4	4	52	47	adocm	odfe	of	*				
Birt Castle	1006.7	50	S	2	c	1002.6	*	47	-3	SSW	1	-	o	*	3	53	47	c	co	odrof	0.9				
Donaghadee	1007.2	46	SW	1	cm	1004.0	-2	47	0	-	0	-	omd	3	3	52	45	bcm	bm	omond	*				
Liverpool (Bidston)	1009.2	48	SSE	1	o	1000.2	-4	49	+3	SE	2	-	r	2	13	51	48	ocm	o	or	0.0				
Holyhead	1008.3	50	SSW	4	2fe	1000.2	-2	48	-2	ENE	4	-	2fe	3	7	50	47	opafe	fe	scord.	0.0				
Pembroke (St. Ann's Head)	1009.6	49	S	2	or	1003.6	+1	49	-1	SW	3	-	o	4	19	50	47	omf	ofor	orom.	0.0				
Scilly (St. Mary's)	1009.0	53	SSW	4	r	1006.2	+2	50	-2	SW	4	-	c	6	11	53	49	omp	omfr.	ft.ocm	0.0				
Jersey (St. Aubin)	1016.5	54	SSW	4	o	1009.9	-1	51	-2	SSW	4	-	o	3	02	55	50	oe	oe	odoe	0.0				
Portland Bill	1011.1	52	SW	6	omr	1004.1	-4	52	+2	SW	7	-	omr	7	11	53	49	feomr	omr	opmr	*				
Duneness	1014.9	52	SW	4	r	1009.2	-4	51	+1	SSW	3	-	c	4	4	53	50	ofmr	or	obebc	*				
Wick	1004.3	44	SSW	3	bc	1002.5	-1	43	-1	SW	2	-	b	2	-	48	39	bc	bc	b	*				
Nairn	1003.2	42	-	0	bc	1003.3	*	34	+11	-	0	-	bc	0	-	47	34	bc	bcc	bcr	2.2				
Leith	1005.8	47	SSW	1	bc	1003.3	-1	42	-5	ENE	1	-	o	1	02	52	41	b	bcc	b	*				
Lynmouth	1009.2	47	SSW	2	caj	1004.1	-2	45	-1	WSW	2	-	r.4f	2	2	50	43	cm	cm	omfr.	*				
Spurn Head	1011.2	46	SSW	2	bm	1002.7	-4	48	+4	SSW	4	-	op	2	7	48	42	om	co	frpb	*				
Yarmouth (Hort. Lighthouse)	1014.5	47	SW	2	r	1007.7	-3	50	+5	SW	4	-	c	2	5	53	44	bcc	omrfm	ft.omfr.	1.2				
Cleckon-on-Sea	1013.1	47	SW	3	r	1007.9	-5	48	+3	SSW	3	-	cv	3	4	49	44	bccgm	ogmr	ogrdcv	0.0				
Nottingham	1011.4	50	S	1	r	1002.7	*	50	+6	SW	4	-	o	*	9	52	42	com	ond	r	0.0				

## STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.

STATIONS.	BAROM. at M.S.L.		WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea.	Rainfall †	TEMP.		WEATHER.			Sunshine Hours.
	mb.	°F.	Direc.	Force 0-12.		at M.S.L. mb.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	
18H. G.M.T. of 1 <sup>st</sup>						7H. G.M.T. of 2 <sup>nd</sup>						24 HOURS ENDED 7H. 2 <sup>nd</sup>						1 <sup>st</sup>			
Lerwick	1001.3	46	S	3	omd	1003.1	+1	46	-1	S	2	-	b	1	10	48	43	bc	omr	omr	*
Stornoway	1000.5	46	S	4	bctg	1001.8	0	45	-3	SW	2	-	c	3	8	48	43	cgo	obcpg	bcc	0.0
Castlebay (Barra Is)	1003.3	50	SW	4	C	1002.1	-1	48	-1	SSE	3	-	o	3	2	51	48	opcm	cmopc	cbcc	1.4
Malin Head	1004.2	47	SSW	2	bc	1001.2	-1	44	-2	SSW	1	-	bcm	1	-	49	42	bc	cm	bcm	2.4
Blacksod Point	1002.6	48	SW	2	bc	1001.3	-2	47	-2	SW	2	-	c	3	-	52	42	bc	bc	bcc	*
Roche's Point	1007.0	50	SW	2	efe	1004.4	0	47	-4	WSW	2	-	o	4	4	52	47	odocm	odfe	of	*
Birr Castle	1006.7	50	S	2	C	1002.6	*	47	-3	SSW	1	-	o	*	3	53	47	c	co	odrof	0.9
Donaghadee	1007.2	46	SW	1	cm	1004.0	-2	47	0	-	0	-	omd	3	3	52	45	bcm	bm	onond	*
Liverpool (Bidston)	1009.2	48	SSE	1	o	1000.2	-4	49	+3	SE	2	-	r	2	13	51	48	ocm	o	or	0.0
Holyhead	1008.3	50	SSW	4	2fe	1000.2	-2	48	-2	ENE	3	-	2fe	3	7	50	47	opdfe	fe	ford	0.0
Pembroke (St. Mary's Head)	1009.6	49	S	2	or	1003.6	+1	49	-1	SW	3	-	o	4	19	50	47	omf	of	or	0.0
Selly (St. Mary's)	1009.0	53	SSW	4	r	1006.2	+2	50	-2	SW	4	-	c	6	11	53	49	omp	omfr	ftocm	0.0
Jersey (St. Aubin)	1016.5	54	SSW	4	o	1009.9	-1	51	-2	SSW	4	-	o	3	02	55	50	ce	oe	odoe	0.0
Portland Bill	1011.1	52	SW	6	omr	1004.1	-4	52	+2	SW	7	-	omr	7	11	53	49	jeomr	omr	opmr	*
Dungeness	1014.9	52	SW	4	r	1009.2	-4	51	+1	SSW	3	-	c	4	4	53	50	orjmr	or	obcbe	*
Wick	1004.3	44	SSE	3	bc	1002.5	-1	42	-1	SW	2	-	b	2	-	48	39	bc	bc	b	*
Nairn	1003.2	42	-	0	bc	1003.3	*	34	-11	-	0	-	bc	0	-	47	34	bc	bcc	bcc	2.2
Leith	1005.8	47	SSW	1	bc	1003.3	-1	42	-5	ENE	1	-	o	1	02	52	41	b	bcc	b	*
Lynmouth	1009.2	47	SSW	2	c2f	1004.1	-2	45	-1	WSW	2	-	r4f	2	2	50	43	cm	cm	omfr	*
Spurn Head	1011.2	46	SSW	2	bm	1002.7	-4	48	+4	SSW	4	-	op	2	7	48	42	om	co	frpb	*
Yarmouth (Hort)	1014.5	47	SW	2	r	1007.7	-3	50	+5	SW	4	-	c	2	5	53	44	bcc	omrjm	ftomfr	1.2
Cleckon-on-Sea	1013.1	43	SW	3	r	1007.9	-5	48	+3	SSW	3	-	cv	3	4	49	44	bccgm	ogmr	ogrdcv	0.0
Nottingham	1011.4	50	S	1	r	1002.7	*	50	+6	SW	4	-	o	*	9	52	42	com	ond	r	0.0



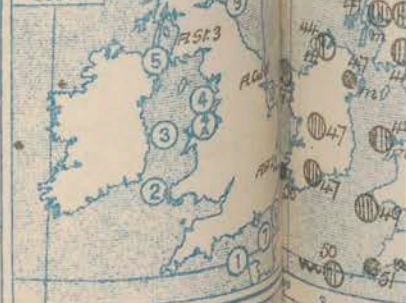
## SUMMARY OF CONDITIONS AT 7 h.G.M.T. 1. 21.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Dull, misty, drizzle.	Fair.	Mod.
2. E. England	Dull.	Good.	Slight
3. E. Midlands	Dull.	Indiff.	-
4. W. Midlands	Slight rain, misty.	Poor.	-
5. S.W. England	Dull, drizzle.	Indiff.	Rough
6. South Wales	Dull.	Exclt.	Mod.
7. North Wales	Dull, misty.	Indiff.	Slight
8. N.W. England	Rainy.	Poor.	Slight
9. N. Midlands	Dull, misty, drizzle.	"	"
10. N.E. England	Dull, misty, rainy.	Bad.	Smooth
11. E. Scotland	Dull, foggy.	Indiff.	Smooth
12. S.W. Scotland	Dull.	Fair.	Slight
13. Isle of Man	Dull, misty, rainy.	Poor.	"
14. N. & N.W. Scotland	Fair.	Good.	V. Smooth
15. Hebrides	-	-	-
16. Orkneys and Shetlands	Fine.	Poor.	V. Smooth
17. N.W. Ireland	-	-	-
18. N.E. Ireland	Dull, misty, drizzle.	Poor.	Slight
19. S.E. Ireland	Dull.	Bad.	Mod.
20. S.W. Ireland	Showery.	Fair.	-

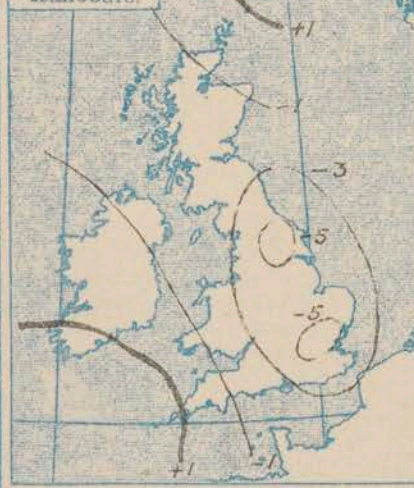
## Temperature reported from Coastal and Cross Channel Steamers.

Position Number.	Date	Time G.M.T.	Sea °F	Air °F
5	1 <sup>st</sup> Jan	0850	49	51
3	"	1015	51	56
7	2 <sup>nd</sup>	0345	49	53
4A.	2 <sup>nd</sup>	"	47	45

## CHART OF POSITION NUMBERS and Upper Cloud



## Isallobars.



Barometric change from 4 h. to 7 h. (half millibars).

## Lower Cloud.



## EXPLANATION.

**BAROMETER.**—Isobars are drawn at intervals of two millibars.

**WIND.**—Direction is shown by the arrow. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in small circles per hour by figures in degrees.

**TEMPERATURE.**—Temperature is given in degrees.

**WEATHER SYMBOLS.**

- sky + cloud.
- sky + cloud.
- ☉ overcast sky.
- \* snow.
- ☼ sleet.
- ☁ fog.
- ☁ mist.
- ☁ thunder.
- ☁ thunderstorm.

**SEA DISTURBANCE.**—

- Rough.
- High waves.

## GENERAL INFERENCE from observations received up to 9h.

A shallow depression centred over Wales will move Eastward or North-eastward. Further disturbances originating to Westward or South-Westward of the British Isles are likely to develop and maintain mild unsettled weather for several days.

Districts.	Forecasts for the 24 hours commencing 15h.G.M.T. Sunday, 2nd. January 1921.
1. S.E. England	Wind South-West moderate, fresh at times; cloudy or overcast, some rain; visibility fair but local mist; mild.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	Wind variable becoming South-westerly, light to moderate; dull, some rain; visibility indifferent to fair; mild.
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Winds S to SW, light or moderate, variable sky, local rain or showers; visibility fair; mild.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	Winds S to SW, light or moderate, freshening later; dull some rain; visibility fair, local mist; mild.
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

Continuing mild and unsettled.



SYNOPTIC CHART FOR MORNING OF Sunday, 2<sup>nd</sup> January, 1921

Scale - 1:10,000,000

Nautical Miles.  
Statute Miles.



TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2)

Very Bad	Objects not visible at	50 metres (or yards)		
Very Poor	"	200	"	"
Poor	"	1,000	"	"
Fair	"	2,000	"	"
Satisfactory	"	4,000	"	"
Good	"	7,000	"	"
Very Good	"	12,000	"	(4·3 miles)
Excellent	"	20,000	"	(7·5 " )
	Objects visible beyond	20,000	"	(12·4 " )
	Exceptional visibility.	20,000	"	(12·4 " )



# AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1921. No. 2...

Sunday  
2nd January

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 1st Jan.																		
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night.	Day.	Sunrise to Sunset.			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night.	Day.	Sunrise to Sunset.	
						12h-1h.	1h-12h.								12h-1h.	1h-12h.		12h-1h.
Scotland.	Oban ... ..								England, N.W.	Douglas (I.O.M.)								
	Banff ... ..	b	bcb	49	42	03	-	1.2		Blackpool ... ..	or	or	51	44	-	0.1	0.0	
	Montrose ... ..									Southport ... ..	o	o	50	43	-	-	0.0	
	St. Andrews ... ..									Morecambe ... ..								
England, N.E.	Harrogate ... ..	cobc	bcbbc	49	41	-	-	0.0	Midlands.	Buxton ... ..								
	Scarborough ... ..	bc	bc	54	43	-	-	0.1		Leamington Spa ... ..								
	Skegness ... ..									Malvern ... ..							0.0	
England, E.	Lowestoft ... ..									Bath ... ..	or	r	55	44	-	10	0.0	
	Felixstowe ... ..	cm	omr	49	41	0.2	4	0.0		Rhyl ... ..								
	Southend-on-Sea ... ..	ofr	or	51	43	-	3	0.0		Colwyn Bay ... ..								
										Llandudno ... ..	*	*	54	49	0.3	-	0.4	
										Aberystwyth ... ..	oc	co	53	48	-	-	0.0	
	Tunbridge Wells ... ..	oro	oro	54	49	-	5	0.0		Tenby ... ..								
	Margate ... ..	od	od	55	48	-	0.4	0.0		Swansea ... ..								
	Ramsgate ... ..	*	*	52	47	-	-	0.0										
	Folkestone ... ..	fe	fe	55	48	0.3	2	0.0		Weymouth ... ..								
	Hastings ... ..	fr	omr	53	49	1	6	0.0		Teignmouth ... ..								
	Eastbourne ... ..	or	or	?	?	0.6	8	0.0		Torquay ... ..	odr	odr	54	50	1	9	0.0	
	Brighton ... ..									Paignton ... ..	odfor	or	55	50	1	12	0.0	
	Worthing ... ..	r	r	52	49	0.3	3	0.0		Penzance ... ..	ord	odfr	54	51	3	2	0.0	
	Littlehampton ... ..	ofr	or	51	48	1	9	0.0		Newquay ... ..								
	Portsmouth (S. base) ... ..			54	50	2	4	0.0		Bude ... ..	r	r	53	46	1	7	0.0	
	Bournemouth ... ..	*	*							Ilfracombe ... ..	or	orf	53	49	-	7	0.0	
	Ventnor (I. of W.) ... ..	*	*							Weston-s-Mare ... ..								

SUMMARIES FOR PAST 24 HOURS.											THE BEAUFORT NOTATION. 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. e wet air without rain falling. f fog. g gloom. h hail. i lightning. m mist. o overcast sky. p passing showers. q squalls. r rain. rs sleet, i.e., rain and snow together. s snow. t thunder. u ugly, threatening sky. 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.		THE BEAUFORT SCALE WIND FORCE. Used only for surface observations.	
STATIONS.	WEATHER.				Max. Temp. F.	Min. Temp. F.	Min. on Grass. F.	RAINFALL. †		Sun. Hours.				
	7h-12h.	12h-18h.	18h-12h.	1h-7h.				Day. 7h-18h.	Night. 18h-7h.					
Renfrew ...	o2frrco	co2fbc	b.o2f	bccco2f	51	38	31	mm.	mm.	1.3	c			
Eskdalemuir ...	co2f d2f	o2f pd co2f	co2f 4-2f pd 2f co		45	42	41	0.2	0.3	0.0	d			
Valencia (Cahire) ...	co co	pd o	bcc bec	co p	53	48	42	-	-	0.2	e			
Baldonnel ...	co q	co o2f	rr o2f	rr o2f	54	45	42	0.1	6	0.3	f			
Didsbury ...	co o2f	o2f o3f	o3f dd r	o3f rr	51	43	42	-	12	*	g			
Ross on Wye ...	o2f	o2f o2f	o2f 6 o2f rr q co q		53	48	48	2	7	0.0	h			
Falmouth ...	rr 2f 2f	dd 2f 2f	ro2f dd	dd	54	55	50	12	7	0.0	i			
Calshot (Hants) ...	o3f dd	rr 2f	o1f o pd	br o2f dd	54	48	47	9	4	0.0	m			
Lympne (Folkstone) ...	co2f pd	o2f 2f	o2f 2f	beco o q	52	48	40	3	1	0.0	n			
Aberdeen ...	2f 2f	2f 2f	2f	2f	49	35	31	-	-	0.7	o			
Howden ...	co2f	co 2f	rr dd	rr o	49	42	38	-	8	0.0	p			
Cranwell (Lincs) ...	o	dd 2f	4-2f rr 2f rr 2f p		51	40	33	-	9	0.0	q			
Felixstowe ...	o o2f	rr 2f	rr 2f bo	y co	50	46	4	5	1	0.0	r			
Shoeburyness ...	bcc 2f	dd 2f	rr o	co q	54	45	26	3	1	0.0	rs			
Benson ...	o	rr	o	o	54	46	46	6	1	*	s			
S. Farnborough ...	pd DD	dd DD	rr bcc	bcc co	54	49	47	4	1	0.0	t			
London (Kew Obs.) ...	w o2f rr pd	rr o2f rr 2f	o o2f	o pd	55	44	49	5	1	0.0	u			
Croydon ...	co2f 2f	pd 2f	rr q o2f bo	o2f 2f	54	49	47	4	0.4	*	v			

LONDON OBSERVATIONS.													
STATIONS.		WEATHER.				TEMPERATURE.		RAINFALL.		SUN.		HUMIDITY %	
		Morning.	Afternoon.	Night.		Max. Temp. F.	Min. Temp. F.	Day. 7h-18h.	Night. 18h-7h.	Hours.		15 h. G.M.T.	9 h. G.M.T.
Greenwich (Royal Observatory)		od	od or	or	or	54	50	46	5	0.0	94	93	
City (Bunhill Row)		*	*	*	*	*	*	*	*	*	*	*	*
Westminster (St. James's Park)		*	*	*	*	*	*	*	*	*	*	*	*
Regents-Pk. (Botanic Gds.)		*	*	*	*	*	*	*	*	*	*	*	*
Camden Sq. (British Rtnall)		o	od	*	*	55	45	44	7	*	93	90	
Kensington Palace		o or	or od	*	*	56	50	47	6	*	95 (18h)	92	
Hampstead Observatory		*	*	*	*	53	48	45	8	0.0	*	93	

NOTES ON THE WEATHER OF YESTERDAY.													
Photographic Record of		24 HOURS ENDED 9H G.M.T. 2ND											
		od	od or	or	or	54	50	46	5	0.0	94	93	
Pole Star (Polaris) and of 3 Ursae		YESTERDAY.											
Mineria at Greenwich Observatory		TO-DAY.											
Exposure from.....h m.		Vertical Component of Solar Radiation per Square Centimetre during yesterday.											
to.....h m.		Total.....Joules.											
Stars.		Average Rate.											
Duration of Exposure.		Maximum Rate.											
Duration in													
h m.													
Polaris													
3 Ursae													
Mineria													

\* Information for these columns not usually received.

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



## AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:  
BRITISH SECTION. No. B.21592 Monday, 3<sup>rd</sup> JANUARY.....1921

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 18H.

STATIONS.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND.		Weather.	TEMP. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-9.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND.		TEMP. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-9.				
			Force	Dir.											Force	Dir.											
			0-12.	0-12.											0-10.	0-10.								0-10.	0-10.		
12H. G.M.T. OF 2 <sup>nd</sup>												18H. G.M.T. OF 2 <sup>nd</sup>															
Renfrew ...	1004.9	0	-	0	or 2f	44	97	3	2000	SL	9	ACu	1007.6	14	-	0	bc 4f	42	97	2	1250	SL	6	-	-	-	-
Eskaudemuir ...	1003.5	0	NNE	1	0	45	92	6	2000	SL	8	ACu	1007.0	14	W	3	0	45	88	7	-	SL	9	-	-	-	-
Valencia (Cahire'n)	1009.6	+7	WNW	4	0	40	85	8	2000	SL	7	ACu	1014.6	16	WSW	3	0	50	88	8	2000	SL	10	ACu	1	ACu	1
Baldonnel ...	1005.5	+2	WNW	2	0 1f	49	97	7	1250	SL	10	-	1010.7	16	S	2	0 2f	49	92	4	1250	SL	10	ACu	1	ACu	1
Manchester (Alex. R.)	1001.5	+1	WSW	5	omq	48	92	4	1250	Nb.	10	-	1006.9	16	W	2	0 2f	46	92	4	1250	Nb.	10	-	-	-	-
Ross on Wye ...	1005.2	+1	W	3	0	51	85	8	2000	Nb.	6	ASr	1008.3	16	W	2	0	47	92	8	1250	SL	10	-	-	-	-
Falmouth ...	1007.8	0	WSW	4	0	52	95	7	-	Nb.	8	-	1008.4	16	WNW	7	0 2f	49	92	7	1250	SL	10	-	-	-	-
Calshot (Hants) ...	1007.9	0	SSW	5	0 1f	51	97	7	1250	SL	10	-	1008.4	16	SW	3	0 1f	48	92	7	1250	SL	10	-	-	-	-
Lympe (Folkestone)	1007.8	-1	SSW	6	0 1f	50	97	1	1250	Nb.	10	-	1008.4	16	SW	4	0	49	92	8	1250	SL	10	-	-	-	-
Aberdeen ...	1004.6	-1	WNW	1	b 3f	36	97	3	-	-	ACu	3	1005.7	12	WNW	2	b 3f	34	92	3	-	-	ACu	2	2	2	2
Howden ...	1000.1	-2	SW	1	odm	51	97	3	750	Nb.	10	-	1004.1	14	N	4	0	47	92	3	1250	Nb.	10	-	-	-	-
Cranwell (Lincs) ...	1002.2	-2	WSW	5	bc	52	85	8	1250	SL	6	-	1005.7	12	WNW	4	0 2f	47	92	5	1250	SL	10	-	-	-	-
Felixstowe ...	1007.0	-3	SSW	4	0 1f	49	97	6	3000	SL	10	-	1007.3	12	SW	3	0	47	92	7	1250	SL	10	-	-	-	-
Shoeburyness ...	1006.5	-2	WSW	5	0	53	85	8	1250	Nb.	5	ASr	1007.3	11	WSW	3	0	49	88	7	1250	SL	10	-	-	-	-
Benson ...	1005.6	0	SW	3	0	52	95	7	-	SL	10	-	1007.5	11	W	1	0	49	92	6	-	-	SL	10	-	-	-
S. Farnborough ...	1006.7	0	SW	2	0 2f	52	95	4	1250	Nb.	10	-	1008.1	12	SW	3	0	48	92	7	1250	SL	10	-	-	-	-
London (Kew Obs.)	1006.2	0	SW	4	0	54	75	5	3000	SL	8	CL	1007.8	14	SW	2	0	50	92	4	1250	Nb.	9	-	-	-	-
Croydon ...	1007.4	0	SW	4	0	52	85	6	750	Nb.	10	-	1008.4	14	W	3	0 1f	49	92	6	1250	SL	10	-	-	-	-
1H. G.M.T. OF 3 <sup>rd</sup>												7H. G.M.T. OF 3 <sup>rd</sup>															
Renfrew ...	1012.9	+4	WSW	3	b	43	97	6	-	SL	2	-	1015.9	0	SSW	3	b	45	97	6	2000	SL	2	-	-	-	-
Eskaudemuir ...	1013.7	+4	W	2	bc	44	95	7	-	CL	2	-	1017.3	+2	S	1	0	37	92	7	-	SL	7	-	-	-	-
Valencia (Cahire'n)	1017.1	0	WSW	1	bc	49	92	7	-	-	-	-	1014.5	-5	S	5	0	51	88	7	2000	SL	10	-	-	-	-
Baldonnel ...	1017.5	+5	SW	2	bc	48	92	7	-	-	ASr	1	1017.7	-1	S	1	0 1f	44	85	7	4200	SL	7	ASr	3	3	3
Manchester (Alex. R.)	1019.1	+4	NNW	3	0 2f	46	92	4	1250	SL	10	-	1019.1	+4	NNW	3	0 2f	46	92	4	1250	SL	10	-	-	-	-
Ross on Wye ...	1021.4	+3	W	2	b	43	95	9	-	-	-	-	1021.4	+3	W	2	b	43	95	9	-	-	CL	2	-	-	-
Falmouth ...	1021.4	+3	WNW	3	b	47	92	7	-	-	-	-	1022.3	+1	W	2	0	46	92	6	-	SL	10	-	-	-	-
Calshot (Hants) ...	1017.2	+6	W	1	bc	47	92	8	2000	SL	4	-	1022.2	+5	WNW	4	bc	47	92	8	3000	SL	4	-	-	-	-
Lympe (Folkestone)	1014.5	+8	SW	4	bc	45	92	7	1250	SL	5	-	1020.3	+6	N	2	0 1f	43	97	7	4200	SL	7	-	-	-	-
Aberdeen ...	1014.1	+1	W	1	b 3f	34	92	3	-	-	-	-	1014.1	+1	W	1	b 3f	34	92	3	-	-	-	-	-	-	-
Howden ...	1017.0	+6	-	0	bm.	38	97	5	3000	SL	2	ASr	1017.0	+6	-	0	bm.	38	97	5	3000	SL	2	ASr	1	1	1
Cranwell (Lincs) ...	1019.3	+5	WNW	3	b	43	97	5	-	-	-	-	1019.3	+5	WNW	3	b	43	97	5	-	-	ASr	1	-	-	-
Felixstowe ...	1019.5	+6	WNW	3	0 1f	46	97	6	4200	SL	10	-	1019.5	+6	WNW	3	0 1f	46	97	6	4200	SL	10	-	-	-	-
Shoeburyness ...	1019.7	+4	W	1	0	45	85	7	3000	SL	5	ASr	1019.7	+4	W	1	0	45	85	7	3000	SL	5	ASr	2	2	2
Benson ...	1020.3	+3	W	2	C	46	92	6	-	-	-	-	1020.3	+3	W	2	C	46	92	6	-	-	SL	8	-	-	-
S. Farnborough ...	1021.5	+5	W	1	C	45	92	6	2000	SL	5	ACu	1021.5	+5	W	1	C	45	92	6	2000	SL	5	ACu	2	2	2
London (M.O. at 1st)	1021.2	+6	WSW	2	0 2f	48	85	4	2000	SL	9	-	1021.2	+6	WSW	2	0 2f	48	85	4	2000	SL	9	-	-	-	-
Croydon ...	1021.2	+4	W	2	0 1f	47	92	6	1250	SL	10	-	1021.2	+4	W	2	0 1f	47	92	6	1250	SL	10	-	-	-	-

STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.

STATIONS.	STATIONS CONTINUING REPORTS AT 7 H.																			Sunshine Hours.	
	BAROM. at M.S.L. mb.	TEMP. °F.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			
			Force 0-12.			at M.S.L. mb.	Change in 2 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.		Night.
18H. G.M.T. of 2 <sup>nd</sup>						7H. G.M.T. of 3 <sup>rd</sup>										24 HOURS ENDED 7H. 3 <sup>rd</sup>					2 <sup>nd</sup>
Lerwick	1005.4	46	S	2	bc	1010.0	+2	46	0	SW	2	SW	C	1	47	44	bc	bc	bc	*	
Stornoway	1004.6	45	WSW	2	bc	1010.6	0	47	+2	SW	2	SW	C	2	48	43	bc	b. bcc	b. bcc	0.3	
Castlebay (Barrals)	1004.5	49	WSW	3	bc	1011.5	0	50	+1	S	4	-	op	4	50	48	op	op. bc	b. pbot	0.0	
Malin Head	1007.4	46	WSW	1	om	1012.2	0	44	0	SW	2	-	bc	1	trace	49	42	om	om	bome	0.0
Blacksod Point	1008.8	45	W	1	bc	1019.5	-1	50	+3	S	4	-	0	4	50	41	or	r. b	b. o	*	
Roche's Point...	1014.0	46	WNW	3	b	1016.9	*	42	-5	SE	2	-	C	2	49	40	0	odrc	cpc	0.0	
Birr Castle	1011.4	46	W	1	C	1016.9	0	40	-7	W	1	-	bm	1	48	39	om	cm	bm	*	
Donaghadee	1008.9	46	W	1	bc	1016.9	0	40	-7	W	1	-	bm	1	48	39	om	cm	bm	*	
Liverpool (Maiden)	1007.6	46	W	4	0	1018.6	+1	44	-5	W	3	-	b	3	50	43	od	ceb	ceb	0.0	
Holyhead	1009.0	48	WNW	3	op	1018.4	+1	47	-1	WSW	3	-	bcg	2	49	44	o. om	r. o. op. a	op. oebc	0.0	
Pembroke (St. Ann's Head)	1011.1	49	W	2	0	1022.4	+1	49	0	S	2	-	b	3	51	48	or	or	ovcb	0.0	
Silly (St. Mary's)	1014.0	50	WNW	6	b	1022.5	+1	50	0	S	2	-	b	4	51	48	cpc	c. bc. b	b	3.7	
Jersey (St. Aubin)	1013.2	52	WSW	6	0	1025.3	+1	48	-3	W	4	-	b	3	54	47	c. od. bc	bc. ty. c	oqpb	0.5	
Portland Bill	1008.9	51	W	6	bc	1022.0	+4	49	-3	WNW	4	-	b	6	53	47	omr. bc	bep	top opb	*	
Dungeness	1008.5	50	WSW	5	bc	1019.5	+5	45	-6	WNW	2	NN	C	4	52	42	cmr. ep	cpc. bc	bc. bcc	*	
Wick	1004.1	47	SW	1	bc	1010.8	+2	40	-2	W	2	-	b	2	45	35	b	bc	bcb	*	
Nairn	1005.6	41	-	0	C	1012.2	*	41	+7	-	0	-	bc	0	42	31	bc	bccp	cbc	3.3	
Leith	1006.1	43	SW	1	m	1014.5	+1	41	-1	NN	1	-	b	1	43	40	omc	com	mbw. b	*	
Lynmouth	1005.0	45	NNW	2	omr	1016.4	+2	42	-3	WSW	2	-	bm	1	46	42	fr	omr	bm	*	
Spartan Head	1001.9	45	W	3	r	1016.0	+4	44	-4	NN	5	-	bD	3	50	40	op	cm	opm. b	*	
Falmouth (City)	1005.0	47	WSW	4	b	1016.8	+6	43	-7	NW	4	-	b	2	53	44	bc. c	bc. br	omr. bvor	0.0	
Clacton-on-Sea	1006.4	48	SW	8	bc	1019.0	+5	45	-3	WNW	3	NN	C	2	49	44	c. o. og	og. cp. bc	bc. ops	0.0	
Nottingham	1005.8	48	W	3	0	1019.3	*	47	-3	W	2	W	0	0.3	53	45	op. c	a. c	0	0.5	

Information for these columns not usually received.

† The barometric change is expressed in half millibars.

‡ For code see page 3

† See footnote p. 4



## SUMMARY OF CONDITIONS AT 7 h.G.M.T. 3.1.1921.

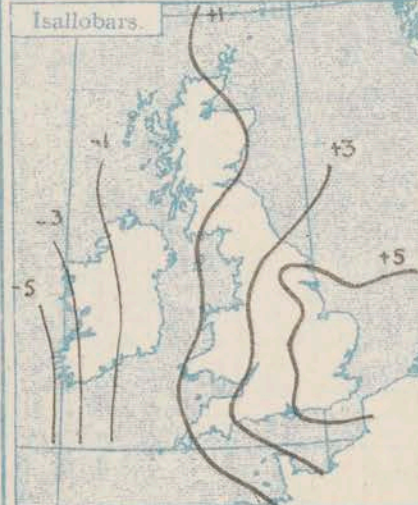
Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Cloudy, some mist.	Fair	Slight
2. E. England	Fine to dull, some mist.	"	Smooth
3. E. Midlands	Dull.	Indiff.	-
4. W. Midlands	Fine to cloudy.	Good	-
5. S.W. England	Fair to dull.	"	Mod.
6. South Wales	Fine.	V. Good	Slight
7. North Wales	Fair.	Fair	"
8. N.W. England	Fine to dull.	"	"
9. N. Midlands	Dull.	Indiff.	-
10. N.E. England	Fine, misty.	"	Smooth
11. E. Scotland	Fine, some mist.	"	"
12. S.W. Scotland	Fine to cloudy.	Good	Slight
13. Isle of Man	Fair.	Fair	Smooth
14. N. & N.W. Scotland	Fair to fine.	"	"
15. Hebrides	Dull, some showers.	"	Slight
16. Orkneys and Shetlands	Fair to cloudy.	"	Smooth
17. N.W. Ireland	Fair to cloudy.	Good	Mod.
18. N.E. Ireland	Fine to fair.	"	Smooth
19. S.E. Ireland	Dull.	"	Mod.
20. S.W. Ireland	Dull.	"	"

Temperature reported from Coastal and Cross Channel Steamers.

Position Number.	Date	Time G.M.T.	Sea ° F	Air ° F
3	2 <sup>nd</sup>	0950	51	49

CHART OF POSITION NUMBERS and Upper Cloud

Lower Cloud.



Barometric change from 4 h. to 7 h. (half millibars).

GENERAL INFERENCE from observations received up to 9h.

A new depression is advancing from the Atlantic and will cause cloud and rain to spread gradually from the West after a brief interval of fair to fine weather. The temperature is likely to continue unseasonably high and the weather unsettled for several days.

**EXPLANATION.**  
**BAROMETER.**—Isobars are drawn at intervals of two millibars.  
**WIND.**—Direction is shown by the flying with the wind. Force is shown by the number of flags. Mean velocity is shown by the number of flags. Mean velocity in small circles per hour by figures in degrees.  
**TEMPERATURE.**—Isobars are drawn at intervals of two millibars.  
**WEATHER SYMBOLS.**—  
 ○ clear sky. ○ sky & clouds. ○ overcast sky.  
 \* snow. \* fog. \* mist. \* thunder.  
**SEA DISTURBANCE.**—  
 Rough. High sea.

Further Outlook.

Districts.	Forecasts for the 24 hours commencing 15 h.G.M.T. Monday, 3rd January, 1921.
1. S.E. England	Light Westerly wind backing to S.W. or S. and freshening later; fair at first, much cloud and some rain later, visibility deteriorating; mild.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Moderate to fresh S.W. to S. wind, becoming stronger; much low cloud, some rain later; visibility deteriorating; mild.
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	Light to moderate S.W. to S. wind, becoming stronger; much low cloud, some rain, visibility deteriorating; mild.
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	Fresh to strong Southerly wind, reaching gale force on the coast; much low cloud, some rain; visibility indifferent to fair; mild.
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	Same as 17.

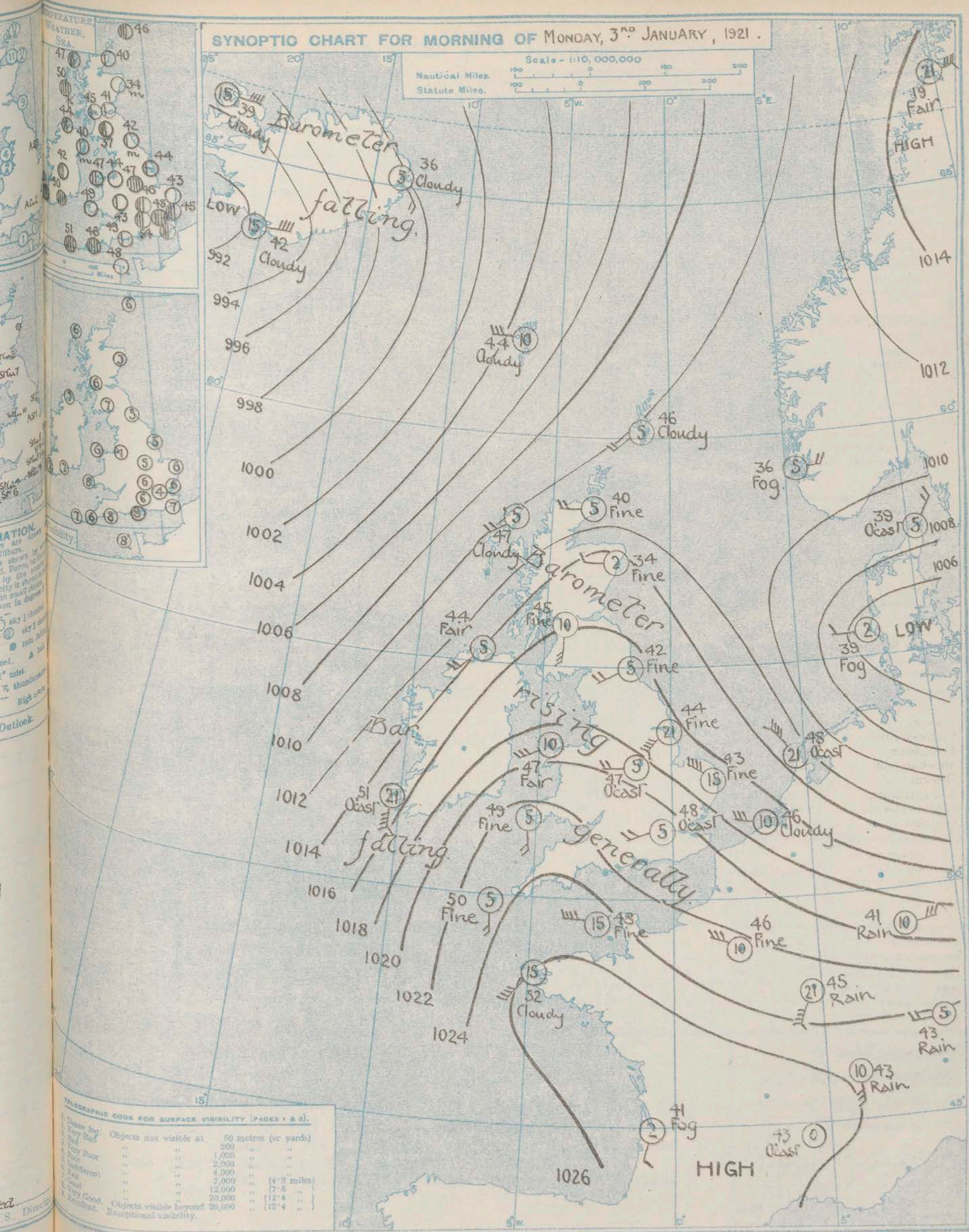
Unseasonably high temperatures and cloudy weather with intermittent rain probable for several days.

Cone Hoisted.



# SYNOPTIC CHART FOR MORNING OF MONDAY, 3<sup>rd</sup> JANUARY, 1921.

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



## TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2).

Objects not visible at	50 metres (or yards)
Very Bad	200
Poor	1,000
Indifferent	2,000
Fair	4,000
Good	7,000
Very Good	12,000
Excellent	20,000
Exceptional visibility.	20,000



# AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1921 No. 3<sup>rd</sup>

Monday  
3<sup>rd</sup> January

### WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 2<sup>nd</sup>

STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 12h-2h.	Day. 2h-12h.	Sunrise to Sunset. 2h.	Forenoon.			Afternoon.	Max. F.	Min. F.	Night. 12h-2h.	Day. 2h-12h.	Sunrise to Sunset. 2h.		
						1-2	2	2								1-2	2	2	
Scotland.	Oban ... ..									England, N.W.	Douglas (I.O.M.)								
	Banff ... ..										Blackpool ... ..	or	o. c	49	44	10	4	0.0	
	Montrose ... ..										Southport ... ..	r.3.0	10.c.o	55	50	10	2	0.0	
	St. Andrews ... ..										Morecambe.								
England, N.E.	Harrogate ... ..	od	od	45	43	14	3	0.0		Midlands.	Buxton ... ..								
	Scarborough ... ..										Leamington Spa...	0	c.6	53	43	7	0.1	0.6	
	Skegness ... ..										Malvern ... ..								
	Lowestoft ... ..										Bath ... ..	c.o	r.o.c	54	49	3	4	0.4	
England, E.	Felixstowe ... ..	omr	or	51	45	2	0.3	0.2		Wales.	Rhyl ... ..	?	0	?	?	18	3	0.0	
	Southend-on-Sea...	o	ocbc	51	45	1	—	0.0			Colwyn Bay ... ..	*	*	47	44	12	4	0.0	
											Llandudno ... ..	d	d	51	45	15	3	0.0	
											Aberystwyth ... ..								
England, S.E.	Tunbridge Wells	o.c.o	o.c	52	48	1	0.3	0.0		England, S.W.	Tenby ... ..								
	Margate ... ..	c	c	53	50	1	—	0.0			Swansea ... ..								
	Ramsgate ... ..	*	*								Weymouth ... ..	o.c	op.c.6	53	49	3	1	1.3	
	Folkestone ... ..	o	o	53	47	1	—	0.0			Teignmouth ... ..								
	Hastings ... ..	f.o	o.c.o	52	44	1	1	0.1			Torquay ... ..	odrbc	o	54	50	3	3	1.5	
	Eastbourne ... ..	or	o	52	49	1	0.1	0.2			Paignton ... ..	orepbc	bcpbc	53	49	6	5	1.2	
	Brighton ... ..	o	o.c.p	51	50	2	0.2	0.2			Penzance ... ..	o.c.p	o.r.c	54	48	14	3	1.1	
	Worthing ... ..	d.o	o.b.c.c.b	51	50	2	0.3	0.6			Newquay ... ..	op.bc	op	52	48	7	2	1.2	
	Littlehampton ... ..										Bude ... ..	r.o.r	r.o	53	50	8	2	1.4	
	Portsmouth (S'haes)	*	*	54	50	7	0.4	0.8			Ilfracombe ... ..	or.op							
	Bournemouth ... ..	*	*	51	47	5	2	0.2			Weston-s-Mare ... ..	or	c.b.c	50	47	2	3	0.3	

### SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. F.	Min. Temp. F.	Min. on Grass F.	RAINFALL.		Sun. Hours.
	7h-12h.	12h-18h.	18h-24h.	24h-7h.				Day. 7h-12h.	Night. 12h-7h.	
Renfrew ...	o.c.p.d.	o.c.p.d.	o.c.p.d.	o.c.p.d.	45	37	31	0.0	0.0	0.0
Eskdalemuir ...	c.o.o	o	o.c.b.c	b.c.b.c	46	36	31	—	—	0.0
Valencia (Cahire'n)	r.c.o	o.b.c	b.b.c.p	c.o.o	51	49	43	—	—	2.5
Baldonnel ...	o.c	o.c	b.b.c.p	c.o.o	51	49	43	3	—	0.0
Manchester (Alex. R.)	o.c.p.d.	o.c.p.d.	o.c.p.d.	o.c.p.d.	52	45	39	2	trace	0.0
Ross on Wye...	o.c.p.d.	o.c.p.d.	o.c.p.d.	o.c.p.d.	53	43	35	5	—	0.3
Falmouth ...	d.c.o	o.c.p.d.	b.b.c.b	b.o	52	44	39	3	—	1.2
Calshot (Hants)...	o.c.p.d.	o.c.p.d.	b.b.c.b	b.b.c.b	52	44	41	2	—	0.2
Lymington (Folkestone)	o.c.p.d.	o.c.p.d.	b.b.c.b	b.b.c.b	50	41	38	1	trace	0.0
Aberdeen ...	o.c.p.d.	o.c.p.d.	b.b.c.b	b.b.c.b	38	33	23	—	—	0.1
Howden ...	d.c.o	o.c	b.b.c.b	b.b.c.b	51	38	31	2	2	0.0
Cranwell (Lincs) ...	p.d.o	o.c	b.b.c.b	b.b.c.b	52	43	39	1	0.4	0.3
Felixstowe ...	p.d.o	o.c	b.b.c.b	b.b.c.b	51	44	38	0.4	—	0.2
Shoeburyness ...	p.d.o	o.c	b.b.c.b	b.b.c.b	53	44	41	—	0.2	0.0
Benson ...	o	o	b.b.c.b	b.b.c.b	53	45	45	4	2	0.0
S. Farnborough ...	c.p.d.	o.c	b.b.c.b	b.b.c.b	54	45	40	1	trace	0.1
London (Kew Obs.)	p.d.o	o.c	b.b.c.b	b.b.c.b	54	46	42	1	1	0.0
Croydon ...	o.c.p.d.	o.c.p.d.	b.b.c.b	b.b.c.b	53	46	43	0.1	0.1	0.0

### BEAUFORT NOTATION.

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.  
e wet air without rain falling.  
f fog. g gloom.  
h hail. i lightning.  
m mist. o overcast sky.  
p passing showers.  
q squalls. r rain.  
rs sleet, i.e., rain and snow together.  
s snow. t thunder.  
u ugly, threatening sky.  
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.  
Capital letters indicate intensity, and repetition of letters continuity, thus: R = heavy rain.  
rr = continuous moderate rain.  
r.r. = continuous light rain.

### THE BEAUFORT SCALE OF WIND FORCE.

Limits of Velocity at about 30 feet above ground.		
No.	Statute miles per hour.	Miles per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.0
2	4-7	1.0-2.0
3	8-12	2.0-3.0
4	13-18	3.0-4.0
5	19-24	4.0-5.0
6	25-31	5.0-6.0
7	32-38	6.0-7.0
8	39-46	7.0-8.0
9	47-54	8.0-9.0
10	55-63	9.0-10.0
11	64-75	10.0-11.0
12	Above 75	11.0 or above

### SYMBOLS -

Solar halo ☉  
Aurora ☀  
Glazed frost ❄  
Line Squall ⚡  
Solar corona ☀  
Lunar corona ☾  
Snow lying ❄

### LONDON OBSERVATIONS.

	WEATHER.			TEMPERATURE.			mm.	HOURS.	G.M.T.	G.M.T.
	Morning.	Afternoon.	Night.	Max.	Min.	Min. on Grass.			15 h.	9 h.
	34 HOURS ENDED 9H G.M.T. 3 <sup>rd</sup>								YESTERDAY.	TO-DAY.
Greenwich (Royal Observatory)	od	odp	obcobe	54	45	39	3	0.1	90	89
City (Banhill Row) ... ..	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James's Park)	*	*	*	55	45	38	5	0.1	95	86
Regent's Pk. (Botanic Gds)	*	*	*	*	*	*	*	0.0	*	*
Camden Sq. (British Rainfall)	-	-	*	55	44	39	12	*	*	89
Kensington Palace ... ..	0.05	0P	*	54	45	41	6	*	88 (18h)	90
Hampstead Observatory ...	*	*	*					0.0	*	*

### SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	HUMIDITY %	
	15 h. G.M.T.	9 h. G.M.T.
Total	138	138
Average Rate.	4.9	4.9
Maximum Rate.	16	16

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

3 <sup>rd</sup> & 4 <sup>th</sup> January 1921			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth...	8.6	11.58	3.49
Greenwich	8.6	11.58	3.50
Wick	9.4	12.5	4.1
Valencia ...	9.3	12.7	3.30

### Photographic Record of Pole Star (Polaris) and of 8 Ursae Minoris at Greenwich Observatory.

Exposure from 2 <sup>nd</sup> 17.1.1921 to 3 <sup>rd</sup> 7.1.1921			
Stars.	Duration of Exposure.	Duration of Record.	
Polaris	13.45	13.45	1435
8 Ursae Minoris	13.45	13.45	1428

### NOTES ON THE WEATHER OF YESTERDAY.

Rain fell generally, 12mm at Tynemouth and 11mm at Pembroke. The temperature exceeded 50° in the South but was nearly 10° lower in the North of Scotland. Bright sunshine amounted to 3 hours at Scilly and Nairn, but elsewhere there was little or none.





INDEXED IN 7-1

Max. F.	Min. F.
------------	------------

No. B. 2159.3

40	32
54	40

\* The barometric change is expressed in half millibars.

§ For code see page 3

† See footnote p.4.



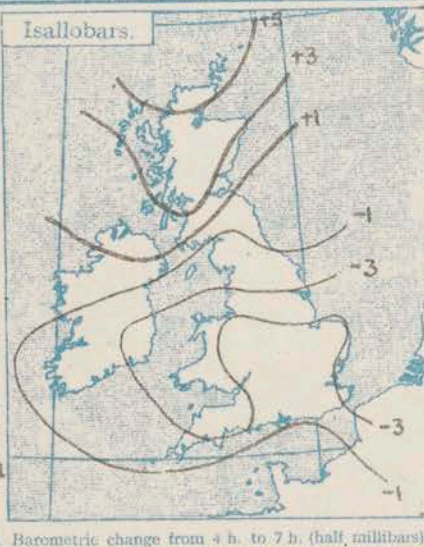
## SUMMARY OF CONDITIONS AT 7 h.G.M.T. 4.1.1921.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Dull, some light rain.	Var.	Mod.
2. E. England	Dull, local drizzle.	Good	Slight
3. E. Midlands	Dull.	"	"
4. W. Midlands	Dull.	"	"
5. S.W. England	Dull, some drizzle.	Indiff.	Rough
6. South Wales	Dull, misty, some drizzle.	Fair	Mod.
7. North Wales	Dull, squally, drizzle.	Indiff.	Rough
8. N.W. England	Dull.	"	Slight
9. N. Midlands	Dull.	"	"
10. N.E. England	Cloudy, misty.	"	Slight
11. E. Scotland	Dull.	Good	"
12. S.W. Scotland	Dull, some rain.	Indiff.	"
13. Isle of Man	Dull, some rain.	"	"
14. N. & N.W. Scotland	Fair.	"	"
15. Hebrides	Fair to dull.	Fair	"
16. Orkneys and Shetlands	Fair to cloudy, squally.	Poor	"
17. N.W. Ireland			
18. N.E. Ireland	Dull, misty, some rain.	Fair	Slight
19. S.E. Ireland	Dull, some rain.	Indiff.	Rough
20. S.W. Ireland	Dull, some rain.	Fair	Rough

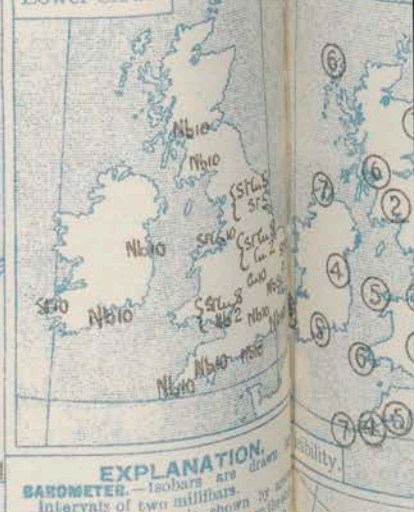
Temperature reported from Coastal and Cross Channel Steamers

Position Number	Date	Time G.M.T.	Sea °F	Air °F
5	3-4	0821	49	45
3	3-4	1015	51	50
3	3-4	0600	45	43
4	4	0200	52	53
7	4	0307	51	51

CHART OF POSITION NUMBERS and Upper Cloud



Lower Cloud.



GENERAL INFERENCE from observations received up to 9h.

Atlantic depressions will cause strong winds or gales from between South and West over the British Isles, with much cloud and intermittent rain and an unseasonably high temperature during the next few days.

**EXPLANATION.**  
**BAROMETER.**—Isobars are drawn at intervals of two millibars.  
**WIND.**—Direction is shown by the arrow, force by the number of feathers. Mean velocity is shown in small circles per hour by figures in small circles.  
**TEMPERATURE.**—Mean temperature is shown in small circles.  
**WEATHER SYMBOLS.**  
 ○ clear sky. ○ sky & clouds. ○ sky & rain. ○ overcast sky. ○ rain falling. \* snow. ⊙ mist. ☼ fog. ☼ mist. T thunder. R thunderstorm.  
**SEA DISTURBANCE.**—High. Rough.

Districts. Forecasts for the 24 hours commencing 15 h.G.M.T. Tuesday, 4th January, 1921.

- 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

Strong winds from between South and West, a gale at times; much low cloud, intermittent rain, visibility varying from indifferent to good; unseasonably high temperature.

Probably continuing mild with much cloud and rain at times for at least two days.

South Coast Flying.  
4.1.21







Tuesday  
4<sup>th</sup> January

Surface	
---------	--

Surface	
---------	--

Surface	
---------	--

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





## AIR MINISTRY.

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

BRITISH SECTION.

No. B21594

WEDNESDAY 5 JANUARY 1920.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 18H.

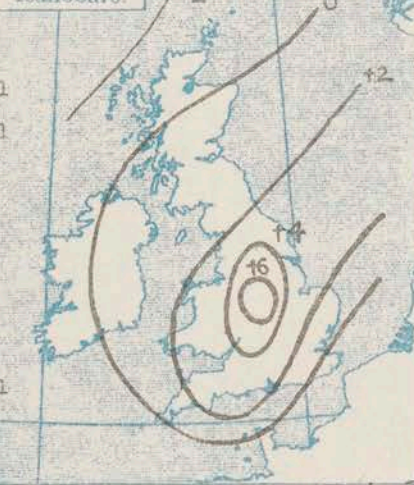
STATIONS.	12H. G.M.T.												18H. G.M.T. OF 4																
	Barom. at M.S.L.	Change in 3 hours.	Wind.	Temp.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.	Upper Cloud.	Sea.	Barom. at M.S.L.	Change in 3 hours.	Wind.	Temp.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.	Upper Cloud.	Sea.									
	mb.		Dir.	°F.	%	0-9.	Feet.	Form.	Amt. 0-10.	0-9.	mb.		Dir.	°F.	%	0-9.	Feet.	Form.	Amt. 0-10.	0-9.									
Renfrew ...	1004.2	41	W	2	02f	45	85	6	2,000	Sc Cu	3	ASr	6	1007.3	44	WSW	2	02f	41	85	5	4,200	Sc Cu	9	-	-	-	-	-
Esksdalemuir ...	1003.8	42	W	1	0	46	85	8	2,000	Sc	10	-	-	1007.4	42	N	1	0	41	85	7	-	Sc	8	-	-	-	-	-
Valencia (Cahire'n)	1006.6	44	W	4	0	46	92	6	1,800	Sc	10	-	-	1011.5	45	NW	3	0	46	85	8	2,000	Sc	7	-	-	-	-	-
Baldonnell ...	1004.8	42	N	2	01.23f	48	92	4	1,200	Nb	10	-	-	1008.3	44	N	1	01.23f	44	92	2	1,800	Sc	10	-	-	-	-	-
Manchester (Rix R.)	1006.9	-2	SSW	5	01.4f	52	92	4	2,000	Nb	8	ASr	2	1007.3	41	S	3	01.4f	52	92	4	4,100	Sc Cu	7	-	-	-	-	-
Ross on Wye ...	1310.0	-4	SW	6	01.9	52	92	5	1,250	Nb	10	-	-	1009.4	0	SW	5	02.9	52	92	4	1,250	Nb	10	-	-	-	-	-
Falmouth ...	1012.0	74	SW	6	09	54	92	6	-	Sc Cu	10	-	-	1010.3	-2	SSW	7	06.9	52	85	6	-	Sc Cu	7	-	-	-	-	-
Calshot (Hants) ...	1015.3	3	SSW	6	01.7	52	92	7	1,250	Sc	10	-	-	1013.5	-2	SSW	8	01.3f	51	92	5	1,250	Nb	10	-	-	-	-	-
Lymington (Folkestone)	1016.9	2	SW	6	01.4	50	92	7	1,500	Sc	10	-	-	1015.3	-1	SSW	6	01.4	49	85	7	1,500	Sc	10	-	-	-	-	-
Aberdeen ...	1003.2	42	W	2	01.5	46	92	7	4,100	Sc Cu	4	ASr	3	1006.1	42	WNW	1	01.5	36	85	6	-	-	-	-	-	-	-	
Howden ...	1007.4	-2	SW	4	01.5	53	85	5	2,000	Sc	8	ASr	2	1007.2	0	SW	2	01.5	52	92	5	2,000	Sc	10	-	-	-	-	-
Cranwell (Lincs) ...	1010.2	-1	SW	5	01.5	53	85	7	2,000	Sc	10	-	-	1009.4	-1	SW	4	01.5	51	92	5	1,250	Nb	10	-	-	-	-	-
Felixstowe ...	1015.5	-2	SSW	5	01.5	52	85	6	2,000	Sc Cu	10	-	-	1014.2	-1	S	5	01.5	49	85	6	2,000	Sc Cu	10	-	-	-	-	-
Shoeburyness ...	1014.9	-3	SW	6	0	54	92	7	1,250	Sc	8	ASr	2	1013.5	-2	SW	6	0	52	92	5	2,000	Sc Cu	10	-	-	-	-	-
Benson ...	1012.2	-3	SW	6	0	53	85	7	-	Sc Cu	10	-	-	1011.3	-1	SW	3	0	51	92	5	-	Nb	10	-	-	-	-	-
S. Farnborough ...	1014.4	-3	SW	7	01.5	53	85	6	1,500	Nb	9	ASr	1	1013.1	-2	SW	6	01.5	51	92	6	1,250	Nb	10	-	-	-	-	-
London (Kew Obs.)	1014.5	-4	SW	5	09	54	85	6	2,000	Sc Cu	8	ASr	2	1013.5	-1	SW	4	01.5	53	85	6	2,000	Sc Cu	10	-	-	-	-	-
Croydon ...	1015.8	-1	SSW	6	01.9	52	85	7	1,500	Sc	10	-	-	1014.2	-2	SW	5	01.5	51	85	6	1,500	Nb	10	-	-	-	-	-
1H. G.M.T. OF 5												7H. G.M.T. OF 5																	
Renfrew ...	1009.3	0	-	0	bx	32	92	4	-	-	1009.5	0	-	0	bex	32	92	2	-	-	-	ASr	5	-	-	-	-	-	-
Esksdalemuir ...	1009.8	+1	-	0	b	30	95	6	-	-	1011.7	+2	-	0	bx	24	97	7	-	-	Sc Cu	2	-	-	-	-	-	-	-
Valencia (Cahire'n)	1013.3	0	-	0	bc	45	85	8	-	-	1012.2	-1	S	3	0	47	85	7	2,000	Sc	9	-	-	-	-	-	-	-	
Baldonnell ...	1012.1	+2	-	0	b	38	85	8	-	-	1012.3	-1	S	4	0.9f	43	85	7	4,200	Sc Cu	3	ASr	6	-	-	-	-	-	
Manchester (Rix R.)	1013.8	+3	W	4	0.0	47	92	5	-	Nb	10	-	-	1012.7	+4	W	1	02f	40	92	4	2,000	Sc Cu	10	-	-	-	-	-
Ross on Wye ...	1013.8	+3	W	4	0.0	47	92	5	-	Nb	10	-	-	1013.7	+6	W	0	0	45	92	8	2,000	Sc Cu	10	-	-	-	-	-
Falmouth ...	1013.8	+3	W	4	0.0	47	92	5	-	Nb	10	-	-	1016.9	+1	WNW	3	0	42	92	7	-	Sc	1	-	-	-	-	-
Calshot (Hants) ...	1013.8	+3	W	4	0.0	47	92	5	-	Nb	10	-	-	1013.2	+2	WSW	4	01.5	49	92	7	1,250	Sc	3	ASr	7	2	-	-
Lymington (Folkestone)	1013.2	-1	S	5	01.5	49	92	6	750	Sc	10	-	-	1013.0	0	SSW	6	01.5	48	92	6	750	Sc	10	-	-	-	-	-
Aberdeen ...	1007.8	0	-	0	01.5	49	92	5	2,000	Sc	10	-	-	1007.8	0	SW	2	bex	34	92	5	-	-	-	-	-	-	-	-
Howden ...	1009.2	0	W	3	bc	49	97	5	3,000	Sc Cu	6	-	-	1011.7	+2	-	0	0	43	97	5	1,250	Sc	10	-	-	-	-	-
Cranwell (Lincs) ...	1009.2	0	W	3	bc	49	97	5	3,000	Sc Cu	6	-	-	1009.6	+1	WNW	3	02f	45	97	3	1,500	Sc	10	-	-	-	-	-
Felixstowe ...	1013.4	-2	SSW	3	02f	47	97	5	1,250	Sc	10	-	-	1012.5	0	SW	3	02f	46	97	5	-	Sc Cu	10	-	-	-	-	-
Shoeburyness ...	1013.4	-2	SSW	3	02f	47	97	5	1,250	Sc	10	-	-	1011.8	0	-	0	0	49	85	7	3,000	Sc Cu	5	ASr	2	-	-	-
Benson ...	1013.4	-2	SSW	3	02f	47	97	5	1,250	Sc	10	-	-	1011.8	+3	W	2	0	49	92	6	-	Sc	10	-	-	-	-	-
S. Farnborough ...	1013.4	-2	SSW	3	02f	47	97	5	1,250	Sc	10	-	-	1012.7	+4	WSW	2	01.5	49	97	6	750	Sc Cu	10	-	-	-	-	-
London (Kew Obs.)	1013.4	-2	SSW	3	02f	47	97	5	1,250	Sc	10	-	-	1012.6	+2	SW	2	02f	50	92	5	2,000	Sc	8	ASr	2	-	-	-
Croydon ...	1011.7	22	SW	3	01.5	51	85	6	1,250	Sc	10	-	-	1013.0	+1	W	3	01.5	49	92	6	750	Nb	10	-	-	-	-	-
STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.												24 HOURS ENDED 7H. 5																	
STATIONS.	Barom. at M.S.L.	Temp.	Wind.	Weather.	Barometer.	Temperature.	Wind.	Sea.	Rainfall.	Temp.	Weather.	Sunshine.																	
	mb.	°F.	Dir.	Force 0-12.	at M.S.L.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.	Dir.	Hours.																	
Lerwick ...	1002.0	48	SW	4	omp	1002.7	-1	46	-1	5	3	-	bcm	2	2	49	44	bc	omp	omp	omp	omp	omp	omp	omp	omp	omp	omp	omp
Stornoway ...	2003.6	42	WSW	2	bc	1000.6	-2	47	+6	5	6	-	og	5	1	47	40	bc, oc	c, bex	bcoq	bcoq	bcoq	bcoq	bcoq	bcoq	bcoq	bcoq	bcoq	
Castell Bay (Barrats)	1004.6	44	SSW	3	b	1003.4	-1	48	+3	SSW	5	-	op	5	1	49	44	a.c.b	b, op, b	bobcp	bobcp	bobcp	bobcp	bobcp	bobcp	bobcp	bobcp	bobcp	
Malin Head ...	1006.0	44	SW	2	0	1005.7	0	42	-3	SSW	3	-	0	3	-	46	40	c	0	bc, cm	bc, cm	bc, cm	bc, cm	bc, cm	bc, cm	bc, cm	bc, cm	bc, cm	
Blackod Point ...	1004.5	45	-	0	bc	1005.3	-6	48	+3	SW	4	-	omd	4	1	48	47	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	
Roche's Point ...	1008.7	45	NW	4	bc	1014.4	0	45	-7	W	1	-	b	3	2	54	41	do	op, bc	bc, b	bc, b	bc, b	bc, b	bc, b	bc, b	bc, b	bc, b	bc, b	
Birr Castle ...	1009.0	42	NW	1	0	1011.9	0	42	-11	S	1	-	c	8	8	53	35	or	oro										



## SUMMARY OF CONDITIONS AT 7 h.G.M.T. 5.1.1921.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Temperature reported from Coastal and Cross Channel Steamers				
				Position Number.	Date	Time G.M.T.	Sea ° F	Air ° F
1. S.E. England	Dull, misty, local drizzle.	Fair	Slight	4A	4	0400	47	51
2. E. England	Dull to fair.	Good	Smooth	12	4	0420	48	46
3. E. Midlands	Dull.	V. Poor	-	5	4	0527	49	48
4. W. Midlands	Dull, misty.	Poor	-	3	4	0945	51	54
5. S.W. England	Fine, misty.	Good	Mod.	6	4	1500	50	52
6. South Wales	Cloudy.	Excellt.	Slight	2	5	0100	51	51
7. North Wales	Fine.	V. Good	Smooth	7	5	0450	49	51
8. N.W. England	Dull, misty.	Poor	Slight	4A	5	0350	46	47
9. N. Midlands	Dull, misty.	"	-					
10. N.E. England	Fine, some fog.	Fair	Slight					
11. E. Scotland	Fair to cloudy, local frost.	Indiff.	Smooth					
12. S.W. Scotland	Fine, frosty.	Good	V. Smooth					
13. Isle of Man	Fair, misty.	"	"					
14. N. & N.W. Scotland	Gloomy.	Fair	Mod.					
15. Hebrides	Dull, showery, squally.	Indiff.	R. Rough					
16. Orkneys and Shetlands	Fair, misty.	"	Smooth					
17. N.W. Ireland	-	-	-					
18. N.E. Ireland	Fair, misty.	Good	V. Smooth					
19. S.E. Ireland	Fine.	"	Slight					
20. S.W. Ireland	Overcast.	"	-					

Isallobars.



Barometric change from 4 h. to 7 h. (half millibars).

CHART OF POSITION NUMBERS and Upper Cloud



Lower Cloud.



## EXPLANATION.

**BAROMETER.**—Isobars are drawn at intervals of two millibars.

**WIND.**—Direction is shown by the arrow flying with the wind. Force, on the number 0-12, is indicated by the number in the center. Mean velocity is shown in small figures per hour by figures in small circles.

**TEMPERATURE.**—Mean temperature is given in degrees F.

**WEATHER SYMBOLS.**

○ clear sky. ○ sky & clouds. ○ sky & clouds. ○ rain falling. ○ overcast sky. ○ mist. ○ fog. ○ thunder. ○ thunder. ○ sea disturbance. ○ High.

GENERAL INFERENCE from observations received up to 9h.

Wind has again become Southerly in the West and mild conditions will be re-established over the Kingdom generally. Weather will continue unsettled and rain is likely to spread from Westward during the 24 hours.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 5th January, 1921.
1. S.E. England	Wind Westerly, backing towards South, light or moderate; mainly fair at first, probably some rain later, visibility fair but some local mist or fog; colder temporarily then mild again.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	Wind S.W., moderate or fresh; fair early, probably some rain later, visibility indifferent to fair; mild.
8. N.W. England	
9. N. Midlands	As for 1 - 6.
10. N.E. England	
11. E. Scotland	As for 7 - 8.
12. S.W. Scotland	
13. Isle of Man	Wind S. to S.W., reaching a gale in places; dull, some rain, visibility indifferent to fair; mild.
14. N. & N.W. Scotland	
15. Hebrides	Wind S. to S.W., moderate, freshening later; cloudy to dull, some rain, visibility fair; mild.
16. Orkneys and Shetlands	
17. N.W. Ireland	Wind S. to S.W., moderate, freshening later; cloudy to dull, some rain, visibility fair; mild.
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

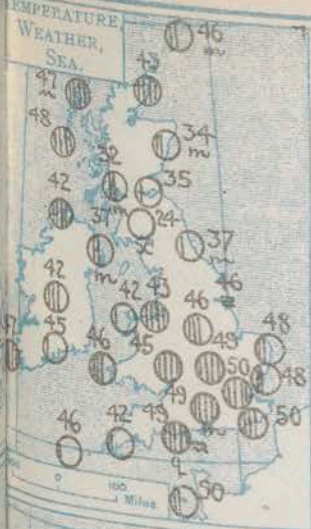
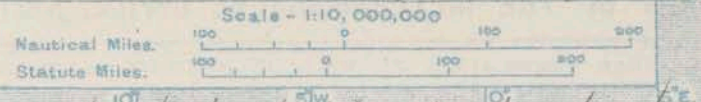
Further Outlook.

Mild and unsettled, with rain mainly from South to South-West.

▼ South Cone Hoisted 08.30 5.1.21



# SYNOPTIC CHART FOR MORNING OF Wednesday 5<sup>th</sup> January, 1921.



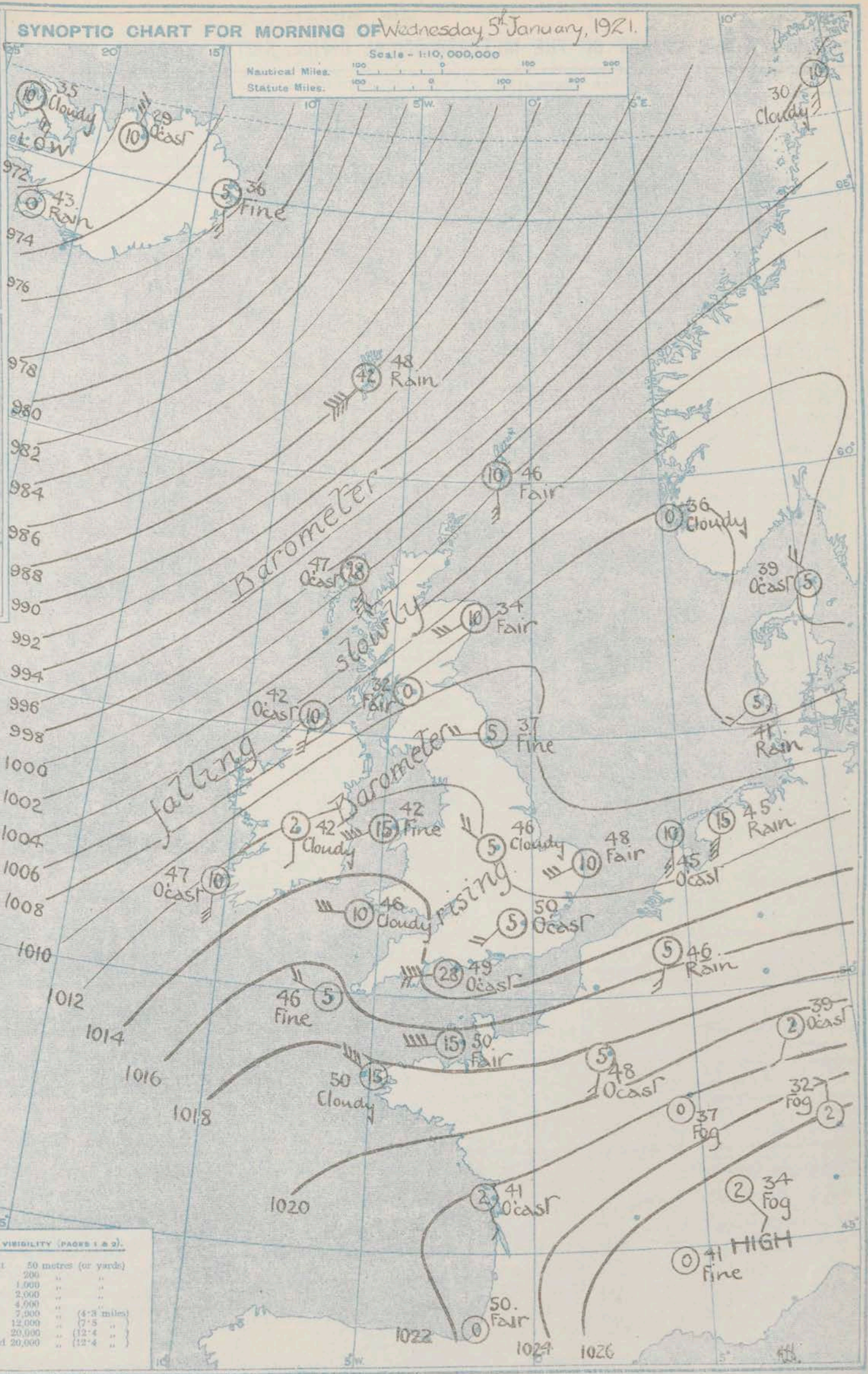
...are drawn by ...  
...shown by ...  
...the number ...  
...is shown in ...  
...small circles ...  
...in degrees ...  
...sky & clouds ...  
...sky & clouds ...  
...rain falling ...  
...mist ...  
...thunderstorms ...  
...High ...  
...outlook.

...with wind ...  
...South ...  
...est.

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

Code	Description	Objects not visible at	50 metres (or yards)
0	Dense fog	"	"
1	Very Bad	"	"
2	Bad	"	"
3	Very Poor	"	"
4	Poor	"	"
5	Indifferent	"	"
6	Fair	"	"
7	Good	"	"
8	Very Good	"	"
9	Excellent	"	"

Objects visible beyond 20,000 (12.4 miles)  
Exceptional visibility.





**AIR MINISTRY.**

**DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1921 No. 5**

Wednesday  
5<sup>th</sup> January

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

STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 12h-3h.	Day. 3h-12h.	Sunrise to Sunset.	Forenoon.			Afternoon.	Max. F.	Min. F.	Night. 12h-3h.	Day. 3h-12h.	Sunrise to Sunset.		
Scotland.	Oban ... ..	bc	b	53	40	10	-	1-3	England, N.W.	Douglas (L.O.M.)									
	Banff ... ..	o.c. bc	bc. b	44	32	5	-	1-3		Blackpool ... ..	or	o	52	44	-	10			0-0
	Montrose ... ..									Southport ... ..	or	o.c. o	54	47	-	5			0-0
	St. Andrews ... ..									Morecambe	o	o	51	46	1	8			0-0
England, N.E.	Harrogate ... ..	o.c	c. or. c	52	43	0.2	1	0-0	Midlands.	Buxton ... ..									
	Scarborough ... ..	o	or	54	44	1	1	0-0		Leamington Spa...	o	or	54	43	0-1	5			0-0
	Skegness ... ..	or	or	52	44	-	2	0-0		Malvern ... ..									0-0
	Lowestoft ... ..									Bath ... ..	o	or	54	51	-	3			0-0
England, E.	Felixstowe ... ..	og. m	c	53	44	-	-	0-0	Wales.	Rhyl ... ..	c	bc	55	42	-	2			0-0
	Southend-on-Sea...	o	o	52	43	-	-	0-0		Colwyn Bay ... ..	o	o	55	49	-	-			0-0
										Llandudno ... ..	or	o.c. b	60	50	0-1	4			0-0
										Aberystwyth ... ..	o. cr	10.0	53	45	-	6			0-0
England, S.E.	Tunbridge Wells	o	o	53	46	1	-	0-0	England, S.W.	Tenby ... ..									
	Margate ... ..	o	o	54	45	-	-	0-0		Swansea ... ..									
	Ramsgate ... ..	o	o	52	42	-	-	0-0		Weymouth ... ..	o	or	53	50	1	1			0-0
	Folkestone ... ..	o.c	o	56	45	0.3	-	0-0		Teignmouth ... ..									?
	Hastings ... ..	o.c. m	o	51	41	1	0.3	0-0		Torquay ... ..	o	o. or	54	51	2	2			0-0
	Eastbourne ... ..	do	o	53	48	3	0-2	0-0		Paignton ... ..	o. or	o. or	54	50	2	2			0-0
	Brighton ... ..	o	o	51	49	2	-	0-0		Penzance ... ..	o.c	o	54	51	2	1			0-0
	Worthing ... ..	o	o	52	48	2	-	0-0		Newquay ... ..	o.m	or. o	54	51	0-2	2			0-0
	Littlehampton ... ..	o.c	o.c	52	50	1	-	0-0		Bude ... ..	o.c. o	o	55	51	-	4			0-0
	Portsmouth (S. Sea)	o	o	53	45	-	-	0-0		Ilfracombe ... ..	o	o	54	48	0-1	99			0-0
	Bournemouth ... ..	o	o	53	47	2	1	0-0		Weston-s-Mare ... ..	c. o	o	54	49	0-3	3			0-0

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMP.		RAINFALL.		SUN.	
	7h-12h.	12h-18h.	Max. Temp. F.	Min. Temp. F.	Day. 7h-12h.	Night. 12h-7h.	Hours.	Hours.
Renfrew ...	o.c. or. c	o.c. or. c	48	31	22	1	0.5	0.5
Eskdalemuir ...	RR. o	o. c. o	48	23	19	1	0.0	0.0
Valencia (Cahirey)	bc	bc. o	54	43	38	2	0.0	0.0
Baldonnell ...	o. or	o. or	54	35	30	4	0.2	0.1
Manchester (Alex. M.)	o. or	o. or	54	40	33	2	1	0.0
Ross on Wye ...	o. or	o. or	53	45	41	6	1	0.0
Falmouth ...	o. or	o. or	54	41	37	2	0.1	0.0
Calshot (Hants.)	o. or	o. or	52	49	46	0.4	4	0.0
Lymington (Folkestone)	o. or	o. or	50	48	47	0.3	1	0.0
Aberdeen ...	o. or	o. or	51	31	23	-	-	0.0
Howden ...	o. or	o. or	53	41	39	0.4	-	0.0
Cranwell (Lincoln)	o. or	o. or	53	45	44	3	3	0.0
Felixstowe ...	o. or	o. or	53	46	4	-	4	0.0
Shoeburyness ...	o	o	55	48	48	trace	4	0.0
Benson ...	o	o	54	49	44	2	3	0.0
S. Farnborough ...	o	o	53	49	44	trace	4	0.0
London (Kew Obs.)	o. or	o. or	54	50	47	-	3	0.0
Croydon ...	o. or	o. or	54	49	46	trace	2	0.0

BEAUFORT NOTATION.

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.
e	wet air without rain falling.
f	fog.
g	gloom.
h	hail.
i	lightning.
m	mist.
o	overcast sky.
p	passing showers.
q	squalls.
r	rain.
s	sleet, i.e., rain and snow together.
t	thunder.
u	ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

Used only for surface observations.		
No.	Limits of Velocity at about 30 feet above ground.	
	Statute miles per hour.	Meters per second.
0	Less than 1	Less than 0.5
1	1-3	0.5-1.5
2	4-7	1.0-2.5
3	8-12	2.5-5.4
4	13-18	5.4-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.4
11	64-75	28.5-33.5
12	Above 76	33.6 or above

**SYMBOLS**— Solar halo ☉  
Aurora ☀ Rime ❄ Lunar halo ☾  
Glazed frost ❄ Solar corona ☉  
Glazed roads ☀ Lunar corona ☾  
Line Squall ⚡ Snow lying ❄

**LONDON OBSERVATIONS.**

	WEATHER.		TEMP.		RAINF.		SUN.	
	Morning.	Afternoon.	Max. F.	Min. F.	mm.	in.	Hours.	Hours.
Greenwich (Roy. Obs.)	o	o	54	49	2	0.0	83	91
City (Banhill Row)	o	o	56	50	3	0.0	80	90
Westminster (St. James's Park)	o	o	56	50	3	0.0	80	90
Regents Pk. (Botanic Obs.)	o	o	55	49	4	0.0	79	93
Camden Sq. (British Rainfall)	o	o	55	49	4	0.0	79	93
Kensington Palace	o	o	55	49	4	0.0	79	93
Hampstead Observatory	o	o	53	48	4	0.0	76	98

	WEATHER.		TEMP.		RAINF.		SUN.		HUMIDITY %	
	Morning.	Afternoon.	Max. F.	Min. F.	mm.	in.	Hours.	Hours.	15h. G.M.T.	9h. G.M.T.
24 HOURS ENDED 9h G.M.T. 5										
YESTERDAY.										
TO-DAY.										

**SOUTH KENSINGTON (Meteorological Office).**

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	66
Total Joules.	66
Milliwatts.	66
Average Rate.	2.3
Maximum Rate.	5

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

5 <sup>th</sup> & 6 <sup>th</sup> January 1921			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth...	8.5	11.58	3.51
Greenwich	8.5	11.59	3.52
Wick	8.7	12.5	4.3
Valencia	8.6	12.6	4.5

**Photographic Record of Pole Star (Polaris) and of 3 Ursae Minoris at Greenwich Observatory.**

Exposure from 17.15 m to 17.40 m				
Star.	Duration of Exposure.	Direction of Record.	E.	M.
Polaris	13 45	o	o	-
3 Ursae Minoris	13 45	o	o	-

**NOTES ON THE WEATHER OF YESTERDAY.**

Except in parts of Scotland the day was generally overcast and rain fell over a wide area. Except at Eskdalemuir (13 mm) amounts did not exceed 10 mm. Temperature fell to 23° at Eskdalemuir but remained very high for the time of year in most localities, the maximum temperature being generally between 50° and 55°.

\* Information for these columns not usually received.

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





## AIR MINISTRY.

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

BRITISH SECTION.

No. B. 21395

Thursday, 6<sup>th</sup> JANUARY

1921.

## OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 12H.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 18H.																									
STATIONS.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND. Dirac. Force 0-12.	WEATHER.	TEMP. °F.	HUMIDITY. %	VISIBILITY. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-9.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND. Dirac. Force 0-12.	WEATHER.	TEMP. °F.	HUMIDITY. %	VISIBILITY. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-9.			
18H. G.M.T. OF 5																									
Renfrew ...	1008.3	-4	SSW	4	oif	45	85	6	1,250	Str	9	1008.6	-3	SSW	6	oif	47	85	5	1,250	Str	10	-	-	2
Esksdalemuir ...	1010.8	-2	SSW	3	o	48	97	6	2,000	Str	10	1009.0	-2	SSW	6	oif	44	92	6	-	Str	10	-	-	2
Valencia (Cahira's) ...	1011.8	-2	S	5	o	51	85	8	2,000	Str	6	1010.4	-2	S	6	oif	52	85	7	2,000	Str	6	ast	4	5
Baldonnel ...	1012.2	-1	SW	6	oif	47	75	8	4,200	Str	3	1011.2	-2	S	5	oif	48	75	6	1,250	Str	4	ast	6	2
Manchester (Alex. R.) ...	1014.8	+1	SW	3	oif	47	65	6	3,000	Cu	1	1015.5	+1	SSW	3	oif	45	85	4	4,200	Str	9	-	-	2
Ross on Wye ...	1016.8	+1	W	2	oif	46	75	9	3,000	Str	10	1017.5	+1	SW	3	o	46	85	7	2,000	Str	10	-	-	2
Falmouth ...	1019.1	-1	SW	3	o	49	75	8	-	Cu	5	1019.8	o	SW	2	o	45	85	7	-	Cu	7	-	-	2
Calshot (Hants) ...	1017.2	+2	W	3	o	46	85	8	4,200	Str	10	1020.3	+2	SW	3	o	46	85	8	3,000	Str	10	-	-	2
Lymington (Folkestone) ...	1015.6	+2	WSW	3	oif	50	92	7	750	Str	8	1019.3	+3	NW	2	oif	44	92	4	750	Str	10	-	-	2
Aberdeen ...	1005.7	-4	SW	2	oif	40	85	5	5,700	Str	10	1004.0	-2	SSW	5	oif	45	85	5	2,000	Str	8	-	-	3
Howden ...	1013.8	o	SW	1	oif	43	85	4	3,000	Str	5	1014.6	-1	SW	2	o	40	92	4	4,200	Str	3	ast	2	2
Cranwell (Lincs) ...	1015.8	+1	W	4	oif	44	75	8	4,200	Str	8	1017.2	+1	SSW	4	oif	41	85	5	4,200	Str	5	ast	4	2
Felixstowe ...	1015.5	+2	NW	3	oif	48	85	5	2,000	Str	9	1019.1	+3	W	2	o	48	85	7	4,200	Str	10	-	-	2
Shoeburyness ...	1015.7	+3	NW	3	oif	48	85	5	2,000	Str	10	1018.9	+2	WSW	1	oif	46	85	3	2,000	Str	10	-	-	2
Benson ...	1016.6	+2	NW	1	o	44	85	6	-	Str	10	1018.6	+2	W	1	o	43	85	6	-	Str	10	-	-	2
S. Farnborough ...	1017.2	+2	NW	2	oif	45	85	6	750	Str	10	1019.5	+4	W	1	oif	42	92	6	1,250	Str	10	-	-	2
London (New Obs.) ...	1016.9	+4	NW	2	oif	48	75	5	2,000	Cu	1	1019.7	+3	W	2	oif	45	85	4	-	-	-	-	-	2
Croydon ...	1017.5	+6	NW	1	oif	46	97	4	750	Str	10	1020.4	+3	WSW	2	oif	42	85	8	-	-	-	-	-	2
7H. G.M.T. OF 6																									
Renfrew ...	1004.5	-2	SSW	6	oif	50	85	6	1,250	Str	10	999.9	-8	SSW	8	oif	48	97	5	1,250	Str	10	-	-	2
Esksdalemuir ...	1006.8	-2	SSW	6	o	46	92	6	-	Str	10	1004.5	-4	SSW	7	oif	45	92	5	1,250	Str	10	-	-	2
Valencia (Cahira's) ...	1006.2	-5	S	6	o	52	85	8	-	Str	6	1005.5	-1	SSW	5	o	51	85	8	3,000	Str	8	-	-	2
Baldonnel ...	1008.9	-4	S	7	oif	50	85	5	2,000	Str	10	1004.4	-3	SW	7	oif	50	92	5	750	Str	10	-	-	2
Manchester (Alex. R.) ...	1012.0	-2	SW	5	oif	49	85	5	2,000	Str	10	1012.0	-2	SW	5	oif	49	85	5	2,000	Str	10	-	-	2
Ross on Wye ...	1015.6	-3	W	4	oif	48	85	7	2,000	Str	10	1015.6	-3	W	4	oif	48	85	7	2,000	Str	10	-	-	2
Falmouth ...	1019.6	-2	SSW	3	o	50	75	7	-	Str	9	1019.6	-2	SSW	4	o	48	92	7	-	Str	7	-	-	2
Calshot (Hants) ...	1020.9	o	SSW	1	o	47	92	5	2,000	Str	10	1019.6	-1	SW	3	o	49	85	8	3,000	Str	10	-	-	2
Lymington (Folkestone) ...	1021.1	+1	NW	1	oif	42	85	5	1,250	Str	10	1020.2	o	WSW	4	oif	45	85	6	750	Str	10	-	-	2
Aberdeen ...	1014.4	+2	S	4	oif	43	92	3	2,000	Str	10	999.5	-2	S	4	oif	48	92	7	4,200	Str	10	-	-	3
Howden ...	1017.0	-5	SW	5	o	44	97	5	2,000	Str	2	1017.6	-1	SSW	5	oif	45	92	4	4,200	Str	10	-	-	2
Cranwell (Lincs) ...	1020.8	o	SW	3	o	42	92	7	-	-	-	1020.2	o	S	3	o	46	85	7	1,250	Str	10	-	-	2
Felixstowe ...	1020.2	o	S	3	o	46	85	7	1,250	Str	10	1019.7	-2	SW	1	o	45	75	7	3,000	Cu	8	-	-	2
Shoeburyness ...	1019.7	-2	SSW	4	oif	46	75	7	2,000	Str	10	1019.0	-1	SSW	4	oif	46	75	7	-	Str	10	-	-	2
Benson ...	1017.0	-1	SSW	4	o	46	85	7	1,250	Str	10	1019.0	-2	SSW	4	o	46	85	7	1,250	Str	10	-	-	2
S. Farnborough ...	1020.1	o	SSW	2	oif	42	92	6	2,000	Str	10	1019.0	-2	SSW	3	o	48	75	6	2,000	Str	8	ast	2	2
London (M.O. at 1H) ...	1021.0	o	SSW	2	oif	42	92	6	-	-	-	1020.1	-2	S	2	oif	46	75	7	2,000	Str	10	-	-	2
Croydon ...	1021.0	o	SSW	2	oif	42	92	6	-	-	-	1020.1	-2	S	2	oif	46	75	7	2,000	Str	10	-	-	2

## STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.

STATIONS.	BAROM. at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.
	mb.	°F.	Direc.	Force 0-12		at M.S.L. mb.	Change in 2 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	
	12H. G.M.T. of 5										24 HOURS ENDED 7H. 6										
Lerwick	997.3	47	S	5	omfgy	997.0	-5	45	-1	SW	2	-	of	1	5	49	44	omf.	omf	omf. omf.	5
Stornoway	994.0	51	SSW	6	ofgy	992.0	0	46	-1	-	0	-	0	0	17	51	44	ofq.	ofq	of. 0	2.0
Castletown (Barras)	998.3	51	WSW	6	T	993.8	-1	46	-2	W	2	-	0	3	9	52	46	opt	T.	T. 0	0.0
Malin Head	1001.8	48	SSW	4	om	994.2	-1	49	+7	SSW	4	-	omf.	4	1	49	41	o.	0	om. omf.	0.0
Blackod Point	1004.4	50	SW	5	omf	1001.5	-4	51	+6	SW	8	-	of	5	4	51	45	om	omf	om. omf.	0.0
Roche's Point	1014.2	51	SW	5	0	1002.9	0	52	+10	S	5	-	0	8	-	52	40	o.	0	omf.	0.0
Birr Castle	1009.7	49	S	2	0	1002.8	-4	49	+12	SW	3	-	omf. r	3	Trace	50	36	om	om	omf.	0.0
Donaghadee	1009.9	47	SW	2	om	1009.6	-4	50	+5	SW	7	SW	of	6	-	51	43	o. o.	o	o	2.9
Liverpool (Lancaster)	1013.4	49	SW	5	ofq	1008.2	-2	50	+8	SSW	7	-	ofq	6	0.1	50	41	b. of.	of.	ofq.	0.8
Holyhead	1017.3	49	SW	4	oV	1012.9	-3	50	+4	SSW	6	-	0	5	0.4	50	46	b. of.	oV	oV. of. o.	1.0
Pembroke (St. Ann's Head)	1018.8	50	W	3	c	1016.5	-2	51	+5	SSW	4	SW	0	5	1	51	46	b. bc.	bc. c	bc. bc. of.	2.7
Scilly (St. Mary's)	1021.6	47	W	3	b	1021.8	0	48	-2	W	4	-	0	2	0.2	52	44	bc. of. o	of. b	b. o	3.3
Jersey (St. Aubin)	1019.1	48	WSW	4	c	1018.6	-3	49	0	SW	5	-	ofq	5	-	50	45	o. c	c.	bc. bc. of.	2
Portland Bill	1020.1	46	NW	2	c	1020.6	-1	49	-1	WSW	4	W	c	4	-	51	43	o. c	c. o. c	b. o. cV	0
Dunegness	996.7	47	SSW	6	ofq	992.1	-3	48	+5	SW	5	-	omf.	4	1	48	43	of.	o. of.	of. omf.	0
Wick	998.0	47	SW	4	bc	992.8	0	51	+8	WSW	4	-	ofq	3	0.2	51	42	c. bc.	c. bc.	bc. of.	0.0
Nairn	1005.9	47	SW	4	T	1000.4	-2	51	+15	SW	3	-	c	2	1	51	35	bc. c. o.	c. of. o.	of. of. c	0
Leith	1011.3	44	SW	3	0	1008.4	-1	50	+13	SW	4	-	ofq	3	-	55	37	bc. om	om	om.	0
Tynemouth	1015.3	43	WSW	3	c	1012.1	0	45	-1	SW	5	-	c	3	-	46	34	of.	bc	om.	0
Spurn Head	1017.2	44	W	2	c	1018.3	+1	40	-8	SSW	3	-	c	2	-	50	39	bc. om	c	om. c. om. bc.	0.6
Yarmouth (New Obs.)	1018.4	45	W	2	0	1019.5	-1	46	-2	SSW	3	-	oV	2	-	50	41	bc. of.	of. c. om	om. bc. o	0.0
Clacton-on-Sea	1016.7	44	SW	2	0	1014.5	0	47	+1	SW	4	-	0	2	-	47	42	om	om. c	c. o.	0.0
Nottingham	1016.7	44	SW	2	0	1014.5	0	47	+1	SW	4	-	0	2	-	47	42	om	om. c	c. o.	0.0

\* Information for these columns not usually received.

† The barometric change is expressed in half millibars.

‡ For code see page 3

§ See footnote p. 4.



## SUMMARY OF CONDITIONS AT 7 h. G.M.T. 6.1.1921.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Dull, slight mist.	Good	Slight
2. E. England	Dull.	"	Smooth
3. E. Midlands	Dull.	Fair	-
4. W. Midlands	Dull, squally.	Good	-
5. S.W. England	Dull, squally, local rain.	"	R. Rough
6. South Wales	Dull.	Fair	"
7. North Wales	Dull, squally, slight drizzle.	"	Rough
8. N.W. England	Dull, squally.	Indiff.	"
9. N. Midlands	Dull.	"	-
10. N.E. England	Dull.	Fair	Slight
11. E. Scotland	Dull.	Good	"
12. S.W. Scotland	Rainy, squally.	Indiff.	Mod.
13. Isle of Man	Rainy, squally.	"	R. Rough
14. N. & N.W. Scotland	Dull, squally.	Fair	Mod.
15. Hebrides	Dull.	"	Slight
16. Orkneys and Shetlands	Dull, slight rain.	Poor	"
17. N.W. Ireland			
18. N.E. Ireland	Dull, some rain.	Fair	Mod.
19. S.E. Ireland	Rainy.	Poor	R. Rough
20. S.W. Ireland	Dull, some rain.	Var.	"

Temperature reported from Coastal and Cross Channel Steamers.

Position Number.	Date	Time G.M.T.	Sea °F	Air °F
5	5 <sup>th</sup>	0821	47	44
8	5 <sup>th</sup>	0710	47	49
3	5 <sup>th</sup>	1015	50	48
2	6 <sup>th</sup>	0230	52	51
7	6 <sup>th</sup>	0300	50	50

CHART OF POSITION NUMBERS and Upper Cloud



Isallobars.



Barometric change from 4 h. to 7 h. (half millibars).

Lower Cloud.



**EXPLANATION.**  
**BAROMETER.**—Isobars are drawn at intervals of two millibars.  
**WIND.**—Direction is shown by the arrow flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in small circles per hour by figures in small circles.  
**TEMPERATURE.**—Temperature is given in degrees Fahrenheit.  
**WEATHER SYMBOLS.**  
 ○ clear sky.    ☁ sky 1 cloud.  
 ☁ sky 2 cloud.    ☁ sky 3 cloud.  
 ☁ overcast sky.    ☁ rain falling.  
 \* snow.    \* sleet.  
 = fog.    = mist.  
 T thunder.    T thunder.  
**SEA DISTURBANCE.**—High sea. Rough.

GENERAL INFERENCE from observations received up to 9h.

The main centre of low pressure maintains its position off South-West Iceland and the main wind current over the British Isles is likely to remain South-Westerly. Weather will continue mild and unsettled.

Further Outlook.

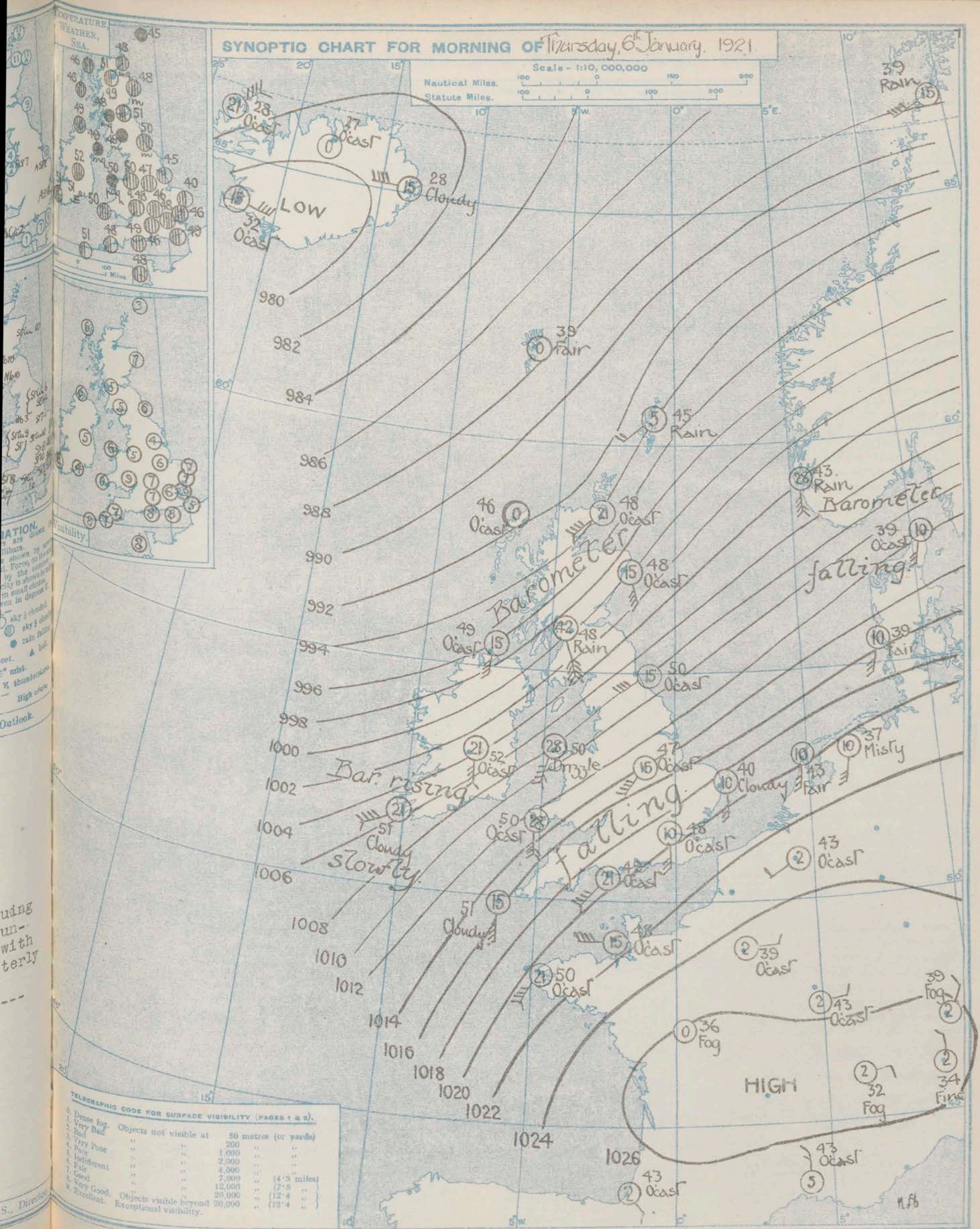
Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 6th January, 1921.
1. S.E. England	Wind S.W., moderate or fresh; mainly overcast, local rain or showers, visibility fair; mild.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	Wind between S. and W., fresh or strong, then moderating; variable sky, local rain or showers, visibility mainly fair; mild.
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	Wind mainly S.W., light at first, freshening later; variable sky, probably some rain, visibility fair; mild.
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	As 1 - 6.
20. S.W. Ireland	

Continuing mild and unsettled, with South-Westerly winds.



# SYNOPTIC CHART FOR MORNING OF Thursday, 6<sup>th</sup> January, 1921.

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



## TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2).

Objects not visible at	50 metres (or yards)
0. Dense fog	200
1. Very Bad	1,000
2. Bad	2,000
3. Very Poor	4,000
4. Poor	7,000
5. Indifferent	12,000
6. Fair	20,000
7. Good	20,000
8. Very Good	20,000
9. Excellent	20,000

Objects visible beyond 20,000 (12.4 miles)



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

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

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		Sunshine.	STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		Sunshine.
	Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 12h-1h.	Day. 9h-12h.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 12h-1h.	Day. 9h-12h.	Sunrise to Sunset.
Scotland.								England, N.W.							
Glasgow ...	o.c.	c.b.c.	45	32	-	-	0.2	Douglas (I.O.M.)							
Banff ...	c.o.	c.b.c.	45	32	-	-	0.2	Blackpool ...							
Montrose ...								Southport ...	c.b.c.	c.o.	47	41	0.1	*	2.6
St. Andrews ...	o.	o.	46	30	2	-	0.3	Morecambe							
England, E.								Midlands.							
Harrogate ...	b.b.c.	b.c.o.	45	36	0.2	-	2.8	Buxton ...							
Scarborough ...	b.	b.	53	42	-	-	3.3	Leamington Spa...							
Skegness ...	o.b.c.	b.c.o.	47	40	2	-	1.1.7	Malvern ...							
Lowestoft ...								Bath ...	o.	c.c.	47	46	1	-	0.1
Felixstowe ...	cind.	sm.	50	43	5	-	0.0	Rhyl ...	b.c.	c.b.c.	55	41	-	-	2.7
Southend-on-Sea...	gro	o	49	43	4	1	0.0	Colwyn Bay ...	x.	x.	48	40	-	-	2.6
England, S.E.								Wales.							
Tunbridge Wells	o.	o	49	44	4	-	0.0	Llandudno ...	b.b.c.	c.o.	50	42	0.1	-	2.4
Margate ...	o.	o	52	46	1	0.4	0.0	Aberystwyth ...	T.c.c.	c.o.o.	49	44	2	-	0.2
Ramsgate ...	o.	o	51	44	1	1	0.2	Tenby ...							
Folkestone ...	o.	c	51	45	1	-	0.7	Swansea ...							
Hastings ...								England, S.W.							
Eastbourne...	o	o	50	46	0.4	-	0.0	Weymouth ...	o.c.	c.b.c.	49	46	1	-	0.1
Brighton ...	o.c.o.	o.c.	50	47	1	-	0.2	Teignmouth ...							
Worthing ...	c	c	50	46	2	-	0.0	Torquay ...	c.o.	b.c.	50	44	0.4	-	1.3
Littlehampton ...	o.c.	b.c.	50	42	3	-	0.0	Paignton ...	o.c.b.c.	c.b.c.b.	52	40	-	-	3.0
Portsmouth (S. Sea)	x.	x.	49	46	3	-	0.3	Penzance ...	c.b.c.	o.p.	52	41	1	0.4	2.4
Bournemouth ...	*	*	52	46	-	-	0.0	Newquay ...	b.v.b.c.v.	c	50	45	3	-	1.3
								Bude ...	o.b.c.	c	55	46	0.4	-	0.4
								Ilfracombe ...	o.c.	c.b.c.o.	49	46	1	-	0.0
								Weston-s-Mare ...	c	c	52	44	0.2	-	

## SUMMARIES FOR PART 24 HOURS.

STATIONS.	SUMMARIES FOR PART 24 HOURS.										Sun. Hours.	BEAUFORT NOTATION. 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. e wet air without rain falling. f fog. g gloom. h hail. i lightning. m mist. o overcast sky. p passing showers. q squalls. r rain. rs sleet, i.e., rain and snow together. s snow. t thunder. u ugly, threatening sky. 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.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	RAINFALL.†				
	7h-12h	12h-18h	18h-1h	1h-7h				Day. 7h-12h	Night. 12h-7h			
Renfrew ...	b.c.c.f.	c.o.c.f.	r.f.q.	o.f.c.g.	50	32	4.4	mm.	mm.			
Eskdalemuir ...	x.b.c.c.f.	o.p.d.	o.g.	o.r.t.	46	2.4	4.2	0.1	1	0.0		
Valencia (Cahire'n) ...	o.o.o.	o.o.f.	o.	r.t.	53	47	4.9	-	7	0.0		
Baldonnel ...	o.g.	o.g.	o.f.	r.t.o.c.f.	51	42	4.4	-	0.3	0.1		
Manchester (Alex. H.) ...	o.f.c.c.f.	o.o.f.	c.o.f.	o.f.	49	40	3.9	-	-	0.1		
Ross on Wye... ..	o.v.c.o.v.	o.	o.c.o.	o.g.	48	44	4.0	-	-	0.1		
Falmouth ... ..	b.o.c.c.	c.o.c.c.	c.o.o.	c.o.	50	40	4.4	-	-	3.1		
Calshot (Hants)... ..	l.f.o.	c.o.o.	b.b.c.c.o.	o.	49	45	4.0	-	-	0.3		
Lympne (Folkestone) ...	o.f.b.c.	o.g.f.b.c.	o.f.	o.f.c.f.	50	37	3.3	0.1	Trace	0.0		
Aberdeen ... ..	2.f.c.	o.g.f.c.	2.f.c.	q. o.f.	49	34	4.3	-	-	0.1		
Howden ... ..	c.o.c.o.	c.o.g.	o.f.	o.f.	46	43	3.4	-	-	1.5		
Cranwell (Lincs) ...	b.o.c.c.	c.o.o.f.	b.b.c.b.	c.o.o.	46	39	3.7	-	-	1.5		
Felixstowe ... ..	b.c.c.	o.f.c.o.	b.c.b.b.c.	o	50	41	4.1	-	-	0.0		
Shoeburyness ... ..	p.d.	o.f.c.	o.f.c.	b.c.c.	49	38	3.3	0.3	-	0.0		
Benson ... ..	o	o	o	o	50	40	3.1	1	-	0.0		
S. Farnborough ... ..	c.o.o.	c.o.o.	o.b.c.	b.c.c.o.	49	40	3.5	Trace	-	0.0		
London (Kew Obs.) ...	o.f.c.c.	o.f.c.	o.f.c.	o	50	43	3.8	-	-	0.0		
Croydon ... ..	o.f.c.c.	o.f.c.	o.f.c.	b.b.c.c.	50	42	3.7	1	-	0.0		

THE BEAUFORT SCALE. WIND FORCE. Used only for surface observations.		
No.	Limits of Velocity at about 30 feet above ground.	
	Statute miles per hour.	Meters per second.
0	Less than 1	Less than 0.5
1	1-2	0.5-1.5
2	3-7	1.5-2.5
3	8-12	2.5-3.5
4	13-18	3.5-5.0
5	19-24	5.0-7.0
6	25-31	7.0-10.0
7	32-38	10.0-13.0
8	39-46	13.0-17.0
9	47-54	17.0-20.0
10	55-68	20.0-24.0
11	69-78	24.0-29.0
12	Above 78	29.0 or above

SYMBOLS.—	
Solar halo	☉
Lunar halo	☾
Partial frost	☉
Solar corona	☉
Lunar corona	☾
Glazed roads	☉
Snow lying	☉

## BEAUFORT NOTATION.

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.  
e wet air without rain falling.  
f fog.  
g gloom.  
h hail.  
i lightning.  
m mist.  
n overcast sky.  
p passing showers.  
q squalls.  
r rain.  
rs sleet, i.e., rain and snow together.  
s snow.  
t thunder.  
u ugly, threatening sky.  
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.

Capital letters indicate intensity, and repetition of letters continuity, thus:  
R = heavy rain.  
rr = continuous moderate rain.  
r.r. = continuous light rain.

## THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity at about 30 feet above ground.	
	Statute miles per hour.	Meters per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-0.8
2	4-7	0.8-1.9
3	8-12	1.9-3.3
4	13-18	3.3-5.0
5	19-24	5.0-6.7
6	25-31	6.7-8.5
7	32-38	8.5-10.7
8	39-46	10.7-12.8
9	47-54	12.8-14.8
10	55-63	14.8-17.7
11	64-75	17.7-20.8
12	Above 75	20.8 or above

## SYMBOLS.

Solar halo ☉  
Aurora ☀  
Lunar halo ☾  
Solar corona ☼  
Lunar corona ☾  
Solar flare ☼  
Lunar flare ☾  
Line Squall ☿

## LONDON OBSERVATIONS.

LONDON. OBSERVATIONS.		WEATHER.			Max. Temp.		Min. Temp.		Min. on Grass.		Rain-fall.		Sun-shine to Sunset.		HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).		TABLE SHOWING THE GREENWICH SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.		
		Morning.	Afternoon.	Night.	* F.	* F.	* F.	* F.	* F.	* F.	mm.	Hours.	15 h. G.M.T.	9 h. G.M.T.							
		24 HOURS ENDED ON G.M.T. ... 6 ...										YESTERDAY.		TO-DAY.		Vertical Component of Solar Radiation per Square Centimetre during yesterday.		6 6 7 JAN 1920			
Greenwich (Royal Observatory)	o. o. t.	o.	o. b. o.	51	42	35	1	0.0	80	82											
City (Bunhill Row)	*	*	*	*	*	*	*	0.0	*	*											
Westminster (St. James's Park)	*	*	o	51	44	38	-	0.0	79	73											
Regent's Pk. (Botanic Obs.)	x.	x.	x.	x.	x.	x.	x.	0.0	x.	x.											
Camden Sq. (British Rainfall)	o.	b. o.	*	51	43	37	1	*	77	77											
Kensington Palace	o.	b.	*	51	43	?	0.3	*	85 (18h)	81											
Hampstead Observatory	*	*	*	49	40	36	1	0.0	*	79											
		24 HOURS ENDED ON G.M.T. ... 6 ...										YESTERDAY.		TO-DAY.		Vertical Component of Solar Radiation per Square Centimetre during yesterday.		6 6 7 JAN 1920			

## Photographic Record of

## Pole Star (Polaris) and of 3 Ursa

## Minors at Greenwich Observatory.

Exposure from ... 17 ... h 15 m.  
to ... 7 ... h 0 m.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	13.45	4.18	31
3 Ursa	13.45	3.58	29
Minors	13.45	3.58	29

## NOTES ON THE WEATHER OF YESTERDAY.

Rain fell again in the West and North, the largest measured amount being 17mm at Stornoway. Much cloud prevailed generally but several hours of sunshine were enjoyed in places. At Colwyn Bay 4.6 hours were registered. Temperature again rose to above 50° at most stations and 55° was reached at Bude, Rhyl and Tynemouth.





## AIR MINISTRY.

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

BRITISH SECTION.

No. B21,596

Friday, 7<sup>th</sup> January, 1921.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 12H.

STATIONS.	Barom. at M.S.L.	Change in 2 hours.	WIND.		Temp. °F.	Humidity %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.	Barom. at M.S.L.	Change in 2 hours.	WIND.		Temp. °F.	Humidity %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.		
	mb.		Dir.	Force 0-12.					Form.	Amt. 0-10.	Form.	Amt. 0-10.		mb.		Dir.	Force 0-12.					Form.	Amt. 0-10.	Form.	Amt. 0-10.			
	12H. G.M.T. of 6 <sup>th</sup>													12H. G.M.T. of 6 <sup>th</sup>														
Renfrew ...	1000.8	+3	WSW	4	o	48	85	8	1,250	St Cu	4	5	*	1004.3	+4	SW	5	o	45	75	7	2,000	St Cu	9	-	-	*	
Eskdalemuir ...	1002.1	-2	SW	5	o	48	92	5	1,250	St	10	-	*	1006.0	+3	SSW	5	o	44	85	7	-	St Cu	9	-	-	*	
Valencia (Cahire'n)	1009.9	+2	SW	4	bc	51	75	8	2,000	Cu	5	-	*	1014.7	+6	WNW	3	b	47	75	8	3,000	Cu	2	-	-	4	
Baldonnel ...	1006.6	+4	WSW	4	b	51	75	8	3,000	Cu	2	ASr	1	*	1011.3	+3	SW	4	bc	45	85	7	1,250	St Cu	6	-	-	*
Manchester (Alex. Park)	999.1	-5	SSW	5	o	50	85	6	2,000	St Cu	9	ASr	1	*	1011.5	+3	WSW	3	bc	44	85	5	1,200	St Cu	5	-	-	*
Ross on Wye ...	1013.9	-3	SW	6	o	49	85	7	1,250	Nb	10	-	*	1014.4	+1	W	2	b	48	92	8	2,000	Nb	3	-	-	*	
Falmouth ...	1016.6	-3	SSW	6	o	51	92	4	-	Nb	10	-	*	1017.0	+2	W	2	o	49	97	6	-	Nb	9	-	-	*	
Calshot (Hants) ...	1019.0	-2	SSW	5	o	49	92	7	3,000	St Cu	4	ASr	6	3	1018.4	-1	SSW	5	o	49	92	8	2,000	St	10	-	-	*
Lymington (Folkestone)	1019.6	-1	SW	5	o	47	85	8	2,000	St	10	-	*	1019.2	0	SSW	5	o	46	85	8	1,250	St	10	-	-	*	
Aberdeen ...	997.2	-1	SSW	4	o	52	85	5	2,000	St	7	Cu	3	2	1000.4	+4	SW	3	o	47	75	6	4,200	St Cu	8	-	-	2
Howden ...	1009.8	-3	SSW	5	o	49	85	6	3,000	St	10	-	*	1010.3	+3	SW	3	o	49	92	6	2,000	St	5	ASr	3	*	
Cranwell (Lines) ...	1013.1	-3	SSW	6	o	48	85	7	2,000	St	7	ASr	3	*	1013.6	+2	SSW	4	bc	48	92	6	3,000	St Cu	4	-	-	*
Felixstowe ...	1018.7	-3	S	4	o	47	85	7	3,000	St Cu	10	-	*	1018.2	0	S	4	o	48	92	7	2,000	St	10	-	-	*	
Shoeburyness ...	1018.6	-2	SW	3	o	48	75	7	3,000	St Cu	4	ASr	4	*	1017.6	0	SSW	4	o	48	75	6	3,000	St Cu	9	-	-	*
Benson ...	1015.4	-4	SSW	6	o	49	85	7	-	St Cu	9	-	*	1015.7	-1	SSW	1	o	49	85	6	-	St	10	-	-	*	
S. Farnborough ...	1018.2	-2	SW	5	o	48	85	7	1,250	St Cu	10	-	*	1017.8	0	SW	5	o	48	92	5	750	St	10	-	-	*	
London (Kew Obs.)	1018.1	-4	SW	4	o	50	75	6	3,000	St Cu	9	ASr	1	*	1017.4	0	SW	4	o	50	85	4	3,000	St	10	-	-	*
Croydon ...	1019.0	-2	SSW	4	o	48	85	7	750	St Cu	10	-	*	1018.6	0	SSW	5	o	47	92	7	750	St	9	-	-	*	
1H. G.M.T. of 7 <sup>th</sup>													7H. G.M.T. of 7 <sup>th</sup>															
Renfrew ...	1011.3	+3	WSW	5	b	42	85	7	-	St	1	-	*	1010.9	-2	SW	5	b	40	92	7	-	-	-	-	-	*	
Eskdalemuir ...	1013.7	+4	SE	1	b	36	85	8	-	St Cu	1	-	*	1013.7	0	S	2	cx	32	97	6	-	St	7	-	-	*	
Valencia (Cahire'n)	1016.3	0	W	2	bc	43	85	8	-	-	-	-	2	1011.9	-4	SSW	2	b	43	85	8	3,000	Cu	3	-	-	*	
Baldonnel ...	1016.0	+1	WSW	3	b	40	92	7	-	-	-	ASr	1	*	1013.2	-4	S	2	bc	37	85	7	3,000	St Cu	4	-	-	*
Manchester (Alex. Park)	-	-	-	-	-	-	-	-	-	-	-	-	-	1014.7	-2	-	0	o	37	92	3	2,000	St	10	-	-	*	
Ross on Wye ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1015.0	-3	-	0	o	47	97	2	2,500	St	10	-	-	*	
Falmouth ...	1017.1	-3	-	0	b	46	92	7	-	St	1	-	*	1013.3	-4	NW	1	o	45	97	3	-	Nb	10	-	-	1	
Calshot (Hants) ...	1017.6	-1	SW	3	c	49	97	8	1,250	St	8	-	1	1014.7	-4	NNW	1	o	46	97	3	1,500	Nb	10	-	-	*	
Lymington (Folkestone)	1018.7	0	SSW	2	o	47	97	1	1,500	St	10	-	*	1016.1	-2	SSW	5	o	46	97	1	1,500	Nb	10	-	-	*	
Aberdeen ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1009.4	+2	SW	2	bc	37	85	5	-	-	-	-	-	2	
Howden ...	1014.3	+2	WSW	3	bc	41	97	5	5700	St	2	-	*	1014.8	-2	-	0	o	36	97	5	7200	St	10	-	-	*	
Cranwell (Lines) ...	1016.2	+2	W	3	bc	44	92	5	4200	St Cu	5	-	*	1016.4	-1	SW	1	o	36	97	5	4200	St	4	Cu	5	*	
Felixstowe ...	1018.5	0	SSW	4	o	47	97	6	1250	Nb	10	-	2	1016.8	-2	W	1	o	45	97	2	1500	St	10	-	-	0	
Shoeburyness ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1015.8	-3	-	0	o	47	85	1	1250	St	10	-	-	*	
Benson ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1014.3	-2	-	0	o	43	97	5	-	St	10	-	-	*	
S. Farnborough ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1015.5	-3	-	0	o	47	97	2	1500	St	10	-	-	*	
London (Kew Obs.)	1017.5	0	-	-	-	-	-	-	-	-	-	-	-	1015.2	-2	-	0	o	47	97	0	750	St	10	-	-	*	
Croydon ...	1018.4	0	SW	2	o	48	97	4	750	St	10	-	*	1016.3	-3	SE	1	o	47	97	4	750	St	9	ASr	1	*	

STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.

STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETR.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine
	at M.S.L.	°F.	Direc.	Force 0-12.		at M.S.L.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	Hours.
	mb.	°F.				mb.		°F.													
12H. G.M.T. of 6 <sup>th</sup>						7H. G.M.T. of 7 <sup>th</sup>						24 HOURS ENDED 7H. 7 <sup>th</sup>						6 <sup>th</sup>			
Lerwick	994.8	44	SW	3	omp	1001.8	14	45	0	SW	5	-	bq	4	9	48	42	c	omp	cm.bq	"
Stornoway	997.9	43	SW	2	bc	1003.0	-2	44	-2	WSW	5	-	bq	4	7	46	39	op	bcp	bopq	0.7
Castlebay (Barra Is)	1002.5	44	SW	6	o	1005.6	-2	47	+1	SSW	5	-	op	6	2	48	42	deop	opcop	bbop	0.2
Malin Head	1004.8	44	W	3	op	1006.6	-2	40	-9	SW	3	-	bc	3	4	52	37	bc	op.	cp.bc	1.9
Blacksod Point	1009.7	45	NW	2	bc	1009.4	-5	45	-5	SW	4	-	bc	4	2	52	42	bop	bc	bc.bc	"
Roche's Point	1014.1	47	NW	3	b	1014.5	-3	41	-10	N	1	-	bc	3	2	53	37	doc	cb	bbc	"
Birr Castle	1011.9	44	W	1	b	1012.2	-	35	-17	W	1	-	b	*	3	52	35	oqrph	cpr.b	bx	3.6
Donaghadee	1007.5	46	W	3	bcg	1013.0	-2	35	-14	SW	1	-	bm	3	1	52	35	bcmp	bcm	bm	"
Liverpool (Bidston)	1010.6	48	WSW	2	bc	1013.9	-1	41	-9	SW	1	-	b	2	1	54	40	co	bbc	bc	1.0
Holyhead	1011.0	48	WSW	5	c	1013.1	-2	41	-9	SSW	2	-	og	1	5	52	39	orgm	obbap.	cbebo	1.4
Pembroke (St. Ann's Head)	1014.7	50	WSW	3	b	1013.7	-3	43	-7	NE	1	-	o	3	3	52	42	orm	c	brbc	0.9
Scilly (St. Mary's)	1016.5	50	W	3	cif	1013.6	-4	48	-3	-	0	-	bc	3	4	52	46	copq	odmc	ebbbc	0.0
Jersey (St. Aubin)	1021.1	49	SSW	3	o	1014.3	-2	50	+2	S	4	-	o	3	1	50	47	o	o	odapo	0.0
Portland Bill	1017.4	50	SW	6	og	1014.5	-4	48	-1	N	1	-	or	4	8	51	45	og	ogp	obcor	"
Dungeness	1019.6	49	WSW	5	c	1016.6	-3	48	-1	SW	5	-	r	5	2	50	48	c	c	borod	"
Wick	997.4	41	SW	2	bc	1005.1	+2	38	-10	SSW	3	-	bc	3	2	49	35	apd bc	bop	bcq p	"
Nairn	999.8	43	W	3	r	1005.4	-	38	-13	W	2	-	bc	1	2	51	36	cq p bc	bccpo	q p bc	1.3
Leith	1003.6	43	SW	4	c	1010.5	0	39	-12	SW	2	-	b	2	1	54	38	cq p c	cuoc	pcb.b	"
Tynemouth	1006.2	49	WSW	3	bzf	1013.4	0	39	-11	-	0	-	bczf	2	-	52	37	cm	cm	bz bm	"
Spurn Head	1009.9	49	SW	6	bcg	1014.3	0	43	-2	WSW	3	-	om	3	-	49	34	c	co	bq om	"
Yarmouth (New Quay)	1016.2	47	SW	8	o	1016.3	-1	42	-2	W	1	-	bzf	1	-	48	40	cq bcq	bcq og	mbmbf	0.0
Clacton-on-Sea	1017.6	47	SW	3	o	1016.3	-2	46	0	-	0	-	ogm	1	1	47	45	o	o	opgm	0.0
Nottingham	1012.8	50	SW	4	b	1015.3	-	35	-12	SSW	1	-	f	*	tracc	51	33	o	opc	b	0.0

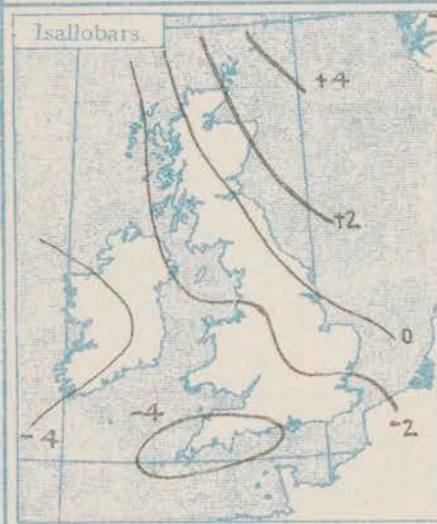
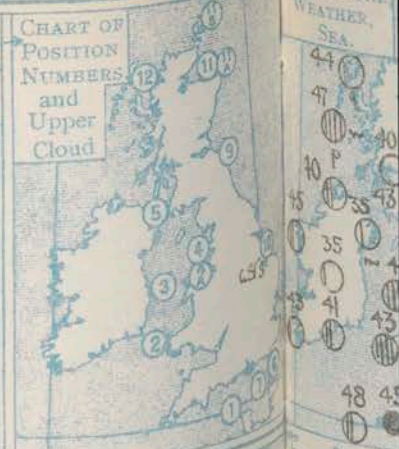


## SUMMARY OF CONDITIONS AT 7 h.G.M.T. 7.1.1921.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Dull; mist or fog, local rain.	Poor	Mod.
2. E. England	Dull; mist or fog.	V. Poor	V. Smooth
3. E. Midlands	Dull; local fog.	Poor	-
4. W. Midlands	Dull; local fog.	Poor	-
5. S.W. England	Dull, rainy.	"	Slight
6. South Wales	Overcast.	V. Good	"
7. North Wales	Overcast, gloomy.	Good	Smooth
8. N.W. England	Dull, local fog.	Indiff.	"
9. N. Midlands	Dull, some fog.	Poor	-
10. N.E. England	Fair to dull, misty.	"	Smooth
11. E. Scotland	Fine, misty.	Indiff.	"
12. S.W. Scotland	Fine to cloudy.	Good	Slight
13. Isle of Man	Fair to dull.	"	"
14. N. & N.W. Scotland	Fair.	Indiff.	Slight
15. Hebrides	Fine to dull, showery, squally.	Fair	R. Rough
16. Orkneys and Shetlands	Fair, squally.	"	Mod.
17. N.W. Ireland	Fair.	"	"
18. N.E. Ireland	Fair.	Good	Slight
19. S.E. Ireland	Fair.	"	"
20. S.W. Ireland	Fair.	V. Good	"

## Temperature reported from Coastal and Cross Channel Steamers

Position Number	Date	Time G.M.T.	Sea ° F	Air ° F
4A.	6 <sup>th</sup>	0430	48	48
12.	"	0536	49	47
5.	"	0830	50	50
3.	"	10.00	51	-
10.	"	10.32	44	47
6.	"	15.30	50	49
7.	7 <sup>th</sup>	03.55	49	50
4A.	"	04.00	45	46
2.	"	02.00	52	46



## GENERAL INFERENCE from observations received up to 9h.

A secondary depression lying over Southwest England will cause rain in the Southern districts during Friday. A new disturbance is indicated off the West of Ireland and unsettled weather will be renewed after a brief improvement.

**EXPLANATION.**  
**BAROMETER.**—Isobars are drawn at intervals of two millibars.  
**WIND.**—Direction is shown by the flying with the wind. Force, on the 0-12, is indicated by the number of feathers. Mean velocity is shown in feet per hour by figures in small circles.  
**TEMPERATURE.**—Mean temperature in degrees Fahrenheit is shown in small circles.  
**WEATHER SYMBOLS.**—  
 ○ clear sky.      ● sky & clouds  
 ☁ sky & clouds.      ● rain falling  
 ☁ overcast sky.      ● rain falling  
 \* snow.      ● sleet.      A hail.  
 ≡ fog.      ≡ mist.  
 T thunder.      R thunder.  
**SEA DISTURBANCE.**—  
 Rough.      High waves.

## Districts. Forecasts for the 24 hours commencing 15h.G.M.T. Friday, 7th January, 1921.

1. S.E. England	Wind S to SW light inland, stronger on coasts; dull some rain, then improving temporarily; visibility mainly indifferent, some fog; less mild.
2. E. England	
3. E. Midlands	
4. W. Midlands	Wind light variable, becoming Southerly; dull some rain then improving temporarily; visibility indifferent, some fog; colder temporarily.
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	Wind light variable, becoming Southerly; mainly fair at first probably some rain later; visibility indifferent to fair; becoming mild again.
9. N. Midlands	
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	Wind S to S.W., moderate or fresh; fine early, rain later; visibility fair but local mist; milder.
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	Wind Southerly veering towards West; mainly cloudy or dull some rain; visibility fair; temperature moderate to mild.
20. S.W. Ireland	

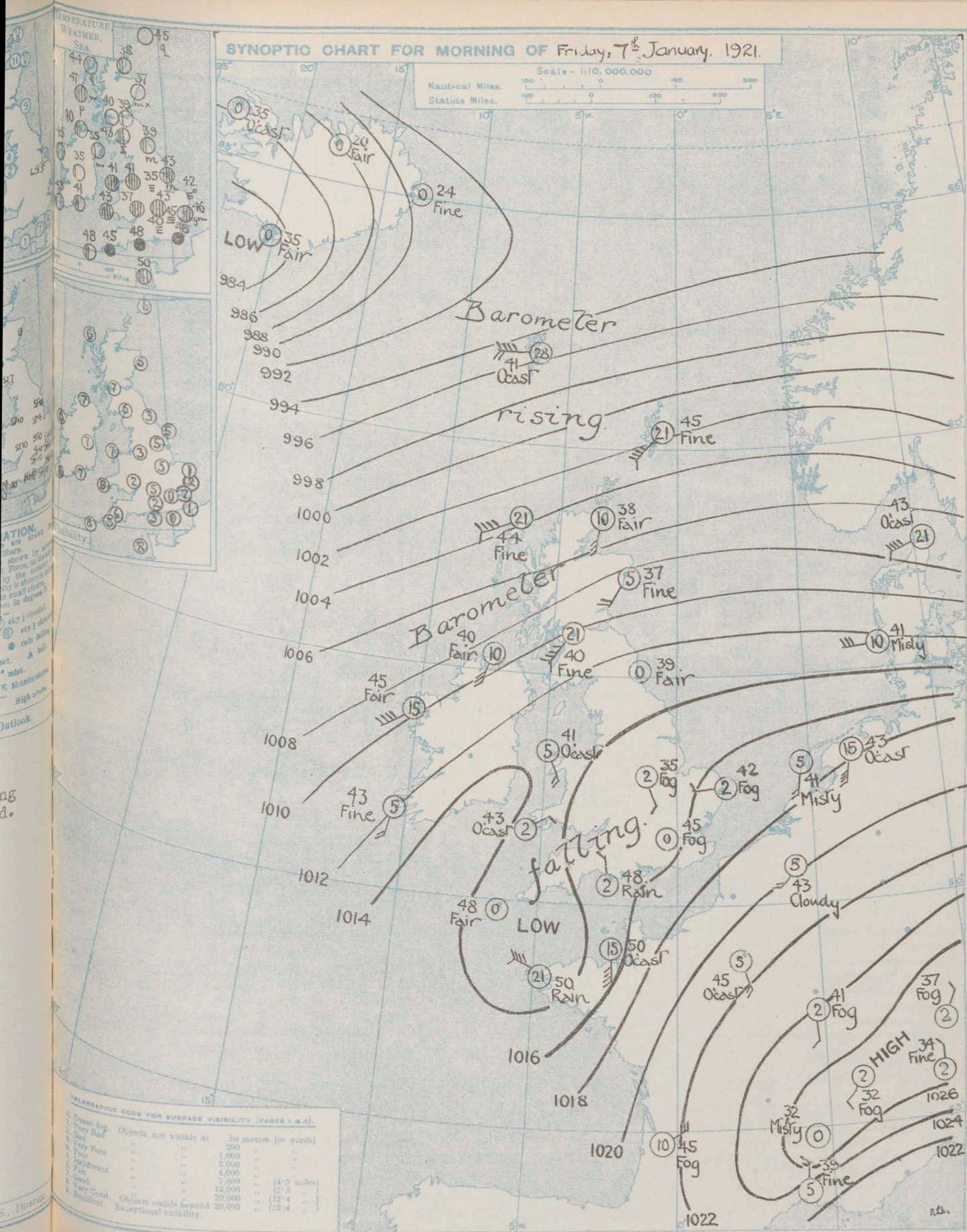
Continuing unsettled.



SYNOPTIC CHART FOR MORNING OF Friday, 7<sup>th</sup> January, 1921.

Scale - 1:10,000,000

Nautical Miles.  
Statute Miles.



1. Page 1



## AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1921 No. 7...

Friday  
7<sup>th</sup> January 1921WEATHER, TEMPERATURE RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 6<sup>th</sup>

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.
	Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 12h-1h.	Day. 12h-1h.	
Oban ... ..	of	of	48	44	20	7	0.0
Banff ... ..	oobc	arc	54	42	-	0.2	0.8
Montrose ... ..							
St. Andrews ... ..							
Harrogate ... ..	o	op bcb	49	41	-	0.4	0.1
Scarborough ... ..	o	o	51	41	-	-	0.0
Skegness ... ..	o	ob	55	38	3	-	0.0
Lowestoft ... ..							
Felixstowe ... ..	om	og	47	41	-	-	0.0
Southend-on-Sea ... ..							
Tunbridge Wells ... ..	o	o	48	39	-	-	0.0
Margate ... ..	o	o	49	42	-	-	0.0
Ramsgate ... ..	*	*	47	39	-	-	0.0
Folkestone ... ..	om	om	49	40	-	-	0.0
Hastings ... ..	o	o	49	41	0.2	-	0.0
Eastbourne ... ..	o	o	49	42	-	-	0.0
Brighton ... ..	o	o	49	45	-	-	0.0
Worthing ... ..	o	o	50	42	-	-	0.0
Littlehampton ... ..	oc	bco	49	47	-	-	0.0
Portsmouth (S. Sea) ... ..	-	-	50	45	-	-	0.0
Bournemouth ... ..	*	*	50	44	-	-	0.0
Douglas (I.O.M.) ... ..							
Blackpool ... ..	or	cb	51	43	-	3	0.0
Southport ... ..	or	or bcb	52	44	-	1	0.0
Morecambe ... ..	-	-	51	42	-	5	0.0
Buxton ... ..							
Leamington Spa ... ..	o	o	51	41	-	-	0.0
Malvern ... ..							
Bath ... ..	o	ro	51	43	-	1	0.0
Rhyl ... ..	cbg	bc	55	41	-	-	0.0
Colwyn Bay ... ..	orc	bcc	56	43	-	0.4	0.0
Llandudno ... ..	orc	bcc	56	43	-	0.4	0.0
Aberystwyth ... ..	cco	cco	51	45	-	2	0.0
Tenby ... ..							
Swansea ... ..							
Weymouth ... ..	o	o	51	47	-	-	0.0
Teignmouth ... ..							
Torquay ... ..	or	or	52	44	-	0.3	0.0
Paignton ... ..	oogod	oda	53	39	-	1	0.0
Penzance ... ..	odr	orc	52	46	-	6	0.0
Newquay ... ..	ood	orc	52	46	0.1	4	0.0
Bude ... ..	oclo	r	52	46	-	3	0.0
Ilfracombe ... ..	o	or	52	47	-	6	0.0
Weston-s-Mare ... ..	ocr	cbr	51	44	-	1	0.0

## SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		Sun.
	7h-12h.	12h-18h.	Max. F.	Min. F.	Day. 7h-12h.	Night. 12h-18h.	
Renfrew ... ..	ofrrgca	cop	51	39	33	7	0.7
Eskdalemuir ... ..	roto.	oobcco	48	30	26	12	1.3
Valencia (Cahireny) ... ..	oobcco	bccpbbc	52	39	35	1	3.0
Baldonnel ... ..	roogofbb	bccif	52	36	32	2	2.6
Manchester (Alex Park) ... ..	oafg.	oifrcoll	51	34	27	1	0.1
Ross on Wye ... ..	oafg.	oifrcoll	51	34	27	1	0.1
Falmouth ... ..	o.	o.	52	43	36	1	0.0
Calshot (Hants) ... ..	o.	oifrcoll	50	45	38	0.1	0.0
Lymington (Folkestone) ... ..	oifrcoll	o.	48	45	45	-	0.0
Aberdeen ... ..	oifrcoll	oifrcoll	52	34	23	-	1.8
Howden ... ..	oifrcoll	oifrcoll	50	31	27	-	0.0
Cranwell (Lines) ... ..	o.	oobcco	50	35	31	trace	0.1
Felixstowe ... ..	oifrcoll	o.	48	44	*	0.2	0.0
Shoeburyness ... ..	o.	o.	50	45	46	-	0.0
Benson ... ..	o.	o.	50	39	30	-	0.2
S. Farnborough ... ..	o.	oifrcoll	49	38	32	trace	0.0
London (Kew Obs.) ... ..	oifrcoll	oifrcoll	51	43	37	-	0.0
Croydon ... ..	oifrcoll	oifrcoll	49	46	42	trace	0.0

## BEAUFORT NOTATION.

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.  
 e wet air without rain falling.  
 f fog.  
 g gloom.  
 h hail.  
 i lightning.  
 m mist.  
 o overcast sky.  
 p passing showers.  
 q squalls.  
 r rain.  
 rs sleet, i.e., rain and snow together.  
 s snow.  
 t thunder.  
 u ugly, threatening sky.  
 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.

Capital letters indicate intensity, and repetition of letters continuity, thus:  
 R = heavy rain.  
 rr = continuous moderate rain.  
 r.r. = continuous light rain.

## THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity at about 30 feet above ground.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.9
1	1-8	0.9-1.3
2	8-12	1.3-1.8
3	12-16	1.8-2.2
4	16-20	2.2-2.7
5	20-24	2.7-3.1
6	24-28	3.1-3.6
7	28-32	3.6-4.0
8	32-36	4.0-4.5
9	36-40	4.5-5.0
10	40-44	5.0-5.5
11	44-48	5.5-6.0
12	Above 48	6.0 or above

**SYMBOLS**— Solar halo ☉  
 Aurora ☀ Rime ☁ Lunar halo ☾  
 Glazed frost ☁ Solar corona ☉  
 Glazed roads ☁ Lunar corona ☾  
 Line Squall ☁ Snow lying ☁

## LONDON OBSERVATIONS.

	WEATHER.		TEMPERATURE.		RAINFALL.		Sun.	HUMIDITY %		
	Morning.	Afternoon.	Max. F.	Min. F.	Max. mm.	Min. mm.		15h. G.M.T.	9h. G.M.T.	
24 HOURS ENDED 9h G.M.T. 7 <sup>th</sup>										
Greenwich (Royal Observatory)	o	o	50.0	49	43	34	3	0.0	82	100
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	*
Westminster (St. James's Park)	*	*	*	51	46	41	2	0.0	80	96
Regents Park (Botanical Obs.)	*	*	*	*	*	*	*	0.0	*	*
Camden Sq. (British Rainfall)	o	o	*	50	48	39	3	*	80	98
Kensington Palace ...	o	o	*	50	44	38	2	*	84 (18h)	99
Hampstead Observatory ...	*	*	*	48	43	32	4	0.0	*	97

## SOUTH KENSINGTON (Meteorological Office).

	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	
	Total	Average Rate.
133	133	4.6
Maximum Rate.	12	

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

Stations.	7 <sup>th</sup> + 8 <sup>th</sup> January 1921		
	Sunrise.	Noon.	Sunset.
Greenwich ... ..	8.41	11.53	3.56
Wick ... ..	8.41	12.0	4.6
Valencia ... ..	8.41	12.6	4.8

## Photographic Record of

Pole Star (Polaris) and of 3 Ursae  
 Minors at Greenwich Observatory.

Exposure from 5.17 h. to 7.00 m.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	13 45	2 5	15
3 Ursae Minors	13 45	1 37	12

## NOTES ON THE WEATHER OF YESTERDAY.

Rain fell everywhere except on the East Coast but the amount exceeded 10mm only at Eskdalemuir (13mm).

There were 3.7 hours of sunshine at Colwyn Bay and 3.6 hours at Birr Castle but hardly any was recorded in Great Britain.

Day temperature again exceeded 50° at most stations but night minima were rather lower than of late.





## AIR MINISTRY.

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

BRITISH SECTION.

No. B. 21597

Saturday, 8<sup>th</sup> JANUARY 1921

## OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 12H.

STATIONS	BAROM.	Change	WIND.	Temp.	Humidity	Visibility	Height	Low Cloud	Upper Cloud	Sea	BAROM.	Change	WIND.	Temp.	Humidity	Visibility	Height	Low Cloud	Upper Cloud	Sea																					
	at	in 3	Force	°F.	%	0-10.	of Low	Form.	Form.	0-10.	at	in 3	Force	°F.	%	0-10.	Feet.	Form.	Form.	0-10.																					
	M.S.L.	hours	0-12.				Cloud.				M.S.L.	hours	0-12.				Feet.																								
12H. G.M.T. 7																					12H. G.M.T. OF 7																				
Renfrew	1007.1	+5	SSW 3	43	75	7	3000	Scn	1	0-5	1007.3	-3	SSW 3	41	92	5	2000	Nb	10	-																					
Eskdalemuir	1009.8	-6	S 3	36	92	5	2000	St	10	-	1006.2	-3	S 3	34	92	6	2000	St	7	-																					
Valencia (Cahire's)	1008.5	-4	WSW 4	46	92	7	1250	St	5	ASh	1011.9	+5	W 5	47	65	7	2000	St	7	-																					
Baldonnel	1009.1	-6	SSW 4	45	75	8	4200	Cl	1	Cl	1007.6	+2	SSW 2	40	92	6	1250	St	9	-																					
Manchester (Alders)	1011.4	-4	-	42	92	2	2000	Scn	10	-	1009.3	-1	SSW 3	39	92	3	1250	Scn	5	-																					
Ross on Wye	1011.6	-4	W 1	42	97	4	750	Nb	10	-	1010.6	+1	SSW 1	40	97	5	2000	St	1	-																					
Falmouth	1013.4	-1	NW 4	49	85	8	-	Scn	3	Cl	1012.3	-2	SW 3	46	85	7	-	St	1	-																					
Calshot (Hants)	1009.9	-6	NW 5	44	97	5	2500	Nb	10	-	1012.5	+3	SW 3	43	97	8	2000	Scn	1	-																					
Lymington (Folkestone)	1012.3	-3	S 5	46	97	6	750	St	10	-	1009.8	-2	SSW 5	46	97	5	750	St	10	-																					
Aberdeen	1007.6	-4	SW 3	39	85	4	-	-	ASh	10	1006.3	-3	SSW 3	41	75	6	4200	Scn	1	-																					
Howden	1012.1	-4	-	40	92	3	2000	St	10	-	1008.8	-2	-	38	97	3	2000	Scn	4	ASh																					
Cranwell (Lincs)	1012.5	-5	NE 1	40	97	4	1250	Nb	10	-	1010.2	-0	SW 1	47	97	1	4500	St	10	-																					
Felixstowe	1012.5	-6	S 4	46	97	4	4500	St	10	-	1009.2	-2	S 4	47	97	6	750	Nb	10	-																					
Shoeburyness	1012.5	-3	SSW 3	48	92	6	2000	St	10	-	1009.0	-3	NW 2	44	85	7	-	-	-	-																					
Benson	1009.7	-5	NNE 2	43	97	4	-	Nb	10	-	1011.0	0	WSW 1	42	92	6	-	St	10	-																					
S. Farnborough	1009.3	-8	S 3	48	97	4	4500	Nb	10	-	1011.7	+3	-	40	97	4	750	St	10	-																					
London (New Ob.)	1009.5	-8	SSW 3	49	92	4	1250	Scn	10	-	1011.4	+4	NW 1	43	92	4	2000	Scn	7	-																					
Croydon	1010.7	-7	S 3	48	97	4	750	St	10	-	1011.6	+4	NW 3	42	92	4	750	St	10	-																					
1H. G.M.T. OF 8																					7H. G.M.T. OF 8																				
Renfrew	1005.2	+1	SW 4	42	85	7	-	-	-	-	1007.5	+3	SW 3	42	85	6	2000	St	2	-																					
Eskdalemuir	1007.1	+2	SSW 2	35	92	6	-	Scn	7	-	1009.6	+2	SW 4	37	92	6	2000	St	6	-																					
Valencia (Cahire's)	1016.2	0	WSW 3	44	85	7	-	-	-	-	1012.0	-4	S 4	45	75	8	2000	St	3	ASh																					
Baldonnel	1012.0	+2	SW 5	40	85	7	3000	Scn	1	-	1013.1	-1	SSW 4	41	75	6	1250	St	3	ASh																					
Manchester (Alders)	-	-	-	-	-	-	-	-	-	-	1013.3	+2	SW 1	34	92	4	2000	Scn	3	-																					
Ross on Wye	-	-	-	-	-	-	-	-	-	-	1015.3	+2	WSW 2	36	92	8	-	-	Cl	1																					
Falmouth	1015.6	+5	NW 2	41	85	7	-	Nb	2	-	1015.3	+1	W 1	39	85	7	-	St	1	-																					
Calshot (Hants)	1011.2	-2	NW 4	43	97	7	4500	Nb	10	-	1015.6	+5	NW 3	35	97	8	-	-	-	1																					
Lymington (Folkestone)	1012.3	+1	SW 1	39	97	6	-	-	-	-	1013.0	+1	NW 2	39	97	6	1250	Scn	8	-																					
Aberdeen	-	-	-	-	-	-	-	-	-	-	1004.7	+2	-	32	97	3	2000	Scn	1	-																					
Howden	1008.5	0	SW 2	33	97	2	1250	St	5	-	1012.5	+3	W 3	34	97	4	2000	St	3	ASh																					
Cranwell (Lincs)	1010.4	0	WSW 2	37	97	2	4500	St	10	-	1013.6	+3	WSW 3	34	92	5	2000	St	10	-																					
Felixstowe	1012.1	+1	SW 3	40	97	5	-	-	-	-	1013.0	+3	NW 2	39	97	4	2000	Scn	10	-																					
Shoeburyness	-	-	-	-	-	-	-	-	-	-	1013.5	0	-	41	85	6	2000	St	3	-																					
Benson	-	-	-	-	-	-	-	-	-	-	1014.5	+3	-	32	92	9	-	-	-	-																					
S. Farnborough	-	-	-	-	-	-	-	-	-	-	1014.7	+5	NW 1	35	92	6	-	-	-	-																					
London (New Ob.)	1010.9	0	-	37	-	-	-	-	-	-	1014.6	+5	NW 1	39	95	5	2000	St	2	-																					
Croydon	1011.8	-2	SSW 3	37	97	5	-	-	-	-	1014.9	+3	NW 3	39	92	5	1250	St	3	-																					

## STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.

STATIONS.	BAROM. at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea	Rainfall mm.	TEMP.			WEATHER.			Sunshine Hours.
			Force 0-12.	Direc.		at M.S.L. mb.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.		
12H. G.M.T. of 7						7H. G.M.T. of 8						24 HOURS ENDED 7H. 8						7				
Lerwick	1001.5	44	SSW	4	bc	998.1	0	40	-5	SW	3	-	b	2	1	45	37	bc	bc	opomr	#	
Stornoway	995.3	37	S	3	of	999.9	+1	41	-3	S	4	-	b	3	6	45	37	bc	bc	op. ob	0.5	
Castlebay (Bertrals)	995.0	44	WSW	5	bc	1002.6	0	44	-3	WSW	4	-	of	5	2	47	40	op. bcg	op. bc	bc. bp	0.0	
Malin Head	1002.9	42	SW	4	bc	1005.7	0	43	+3	SW	3	-	om	4	1	45	38	bc	cqg	cq. bc	2.4	
Blacksod Point	1005.3	45	NW	4	bc	1005.3	-3	45	0	N	4	-	o	4	11	54	40	or.	or.	bc. bc	#	
Roche's Point...	1010.1	43	NW	4	b	1015.6	0	45	+4	WSW	3	-	o	3	3	50	39	bc. o	o. c. op. b	bo	#	
Birr Castle	1008.3	39	SE	2	b	1012.1	-	39	+4	SSE	1	-	o	3	3	45	34	bc	op. bc	oc	3.7	
Donaghadee	1006.7	42	W	3	cm	1010.4	+1	40	+5	W	2	-	bc. m	2	2	45	35	bc.	bc. m	bc. m	#	
Liverpool (Bidston)	1007.9	40	SE	2	b	1011.5	+3	41	0	WSW	4	-	b	4	3	43	36	om.	bc. b	or. b	0.9	
Holyhead	1007.0	47	SSW	4	og	1012.5	+1	44	+3	WSW	4	-	b	3	12	48	38	og. bc. b	b. bc. c. o	op. bc. b	2.3	
Pembroke (St. Ann's Head)	1009.2	48	SSW	4	o	1016.3	+1	47	+4	NW	4	-	bc. v	4	9	49	42	c.	cv.	op. bc. v	3.2	
Scilly (St. Mary's)	1012.6	50	SW	4	or	1018.2	+1	46	-2	W	2	-	b	4	3	50	45	bc.	bc. c. or	op. bc. b	5.4	
Jersey (St. Aubin)	1014.4	48	NW	4	b	1017.3	+1	46	-4	NNW	3	-	b	3	10	51	44	or. o.	op. b.	or. b	1.1	
Portland Bill	1011.9	48	W	5	bc	1015.7	+5	45	-3	NW	5	-	b	6	11	49	44	or. c.	c. bc	q. bc. b	#	
Dungeness	1010.3	48	W	4	c	1013.3	+1	42	-6	N	2	-	c	3	3	48	42	op. c.	or. c.	bc. bc	#	
Wick	997.8	43	SSW	6	bcq	1000.0	+2	37	-1	WSW	2	-	bc	3	1	44	33	c. bcq.	c. bcq.	bcq. pl.	#	
Nairn	999.2	41	W	1	bc	1002.2	-	38	0	W	1	-	bc	1	1	43	37	bcq.	bc	bcq. bc	1.0	
Leith	1003.9	40	SW	1	bc	1006.3	0	42	+3	SW	2	-	b	2	1	43	38	b. bc	c. bc	bc. bc	#	
Tynemouth	1007.6	39	SW	1	bf	1009.1	+2	39	0	SW	2	-	b. bf.	2	-	41	36	f.	bf	f. b. m	#	
Spurn Head	1008.9	42	WSW	3	f.	1011.7	+3	39	-4	W	3	-	b. m	3	4	43	35	om.	om. f.	b. b. m	#	
Yarmouth (New)	1007.8	46	SSW	5	f.	1013.1	+2	40	-2	WSW	3	-	b. f.	1	4	46	38	bf. or. f.	om. r. q.	r. bc. om. f.	0.0	
Clacton-on-Sea	1008.0	47	SSW	4	o	1012.7	+2	45	-1	NNW	1	-	c. g. m	1	5	47	40	op. r. d.	op. r. d.	op. c. m	0.0	
Nottingham	1009.5	41	-	0	om	1013.4	-	34	-1	SW	1	-	b	4	4	41	33	f. or. m	f. or. m	o	0.0	

Information for these columns not usually received.

The barometric change is expressed in half millibars.

For code see page 3

See footnote p. 4.



## SUMMARY OF CONDITIONS AT 7 h. G.M.T. 8.1.1921

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Fair, some mist.	Fair	Slight
2. E. England	Fine to cloudy, misty.	Indiff.	Smooth
3. E. Midlands	Fine.	"	"
4. W. Midlands	Fine.	Good	"
5. S.W. England	Fine.	"	R. Rough
6. South Wales	Fair.	V. Good	Mod.
7. North Wales	Fine.	Good	Slight
8. N.W. England	Fine, misty.	Indiff.	Mod.
9. N. Midlands	Fine.	"	"
10. N.E. England	Fine to fair.	Poor	Smooth
11. E. Scotland	Fine, misty.	"	"
12. S.W. Scotland	Fine.	Fair	Slight
13. Isle of Man	Fine.	Good	"
14. N. & N.W. Scotland	Fair.	Fair	"
15. Hebrides	Fine.	"	"
16. Orkneys and Shetlands	Fine to fair.	Good	Smooth
17. N.W. Ireland	Overcast.	Fair	Mod.
18. N.E. Ireland	Dull to fair.	Good	"
19. S.E. Ireland	Overcast.	"	Slight
20. S.W. Ireland	Overcast.	V. Good	Mod.

## Temperature reported from Coastal and Cross Channel Steamers

Position Number	Date	Time G.M.T.	Sea ° F	Air ° F
5	7	0817	49	49
3	7	1015	50	47
1	7	1233	50	49
2	8	0210	51	44
7	8	0305	51	46

## CHART OF POSITION NUMBERS and Upper Cloud



## Isallobars.



Barometric change from 4 h. to 7 h. (half millibars).

## Lower Cloud.



**EXPLANATION.**  
 BAROMETER.—Isobars are drawn at intervals of two millibars.  
 WIND.—Direction is shown by the flying with the wind. Force, on the 0-12, is indicated by the number of feathers. Mean velocity is shown in feet per hour by figures in small circles.  
 TEMPERATURE.—Given in degrees Fahrenheit.  
 WEATHER SYMBOLS:  
 ☉ clear sky. ☁ sky & cloud. ☁ overcast sky. \* snow. ☁ mist. ☁ fog. T thunder. SEA DISTURBANCE.—High rough. Further Outlook.

GENERAL INFERENCE from observations received up to 9h.

A new depression approaching the West Coast of Ireland will cause rain in the Western districts during Saturday. In the Eastern areas weather is likely to be fair until Sunday when some rain is probable.

## Districts. Forecasts for the 24 hours commencing 15 h. G.M.T. Saturday, 8th January, 1921.

1. S.E. England	Wind S.W. or W., light; mainly fair on Saturday, some rain probable on Sunday, visibility fair after morning mist; colder, ground frost probable.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Wind S.W. or S., moderate to fresh; cloudy or dull, rain later, visibility fair; moderate temperature.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	Wind S.W. or S., moderate; fair on Saturday, some rain probable Sunday, visibility fair; local mist; moderate temperature.
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	As 4 - 8.
14. N. & N.W. Scotland	
15. Hebrides	Wind mainly S.W., moderate to strong; variable sky, some rain or showers, visibility fair; moderate temperature.
16. Orkneys and Shetlands	
17. N.W. Ireland	Wind between S. and W., moderate to strong; dull, some rain, probably improving later, visibility fair to good; temperature moderate to rather mild.
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

Weather continuing changeable with winds between South and West.



# SYNOPTIC CHART FOR MORNING OF Saturday, 8<sup>th</sup> JANUARY, 1921.

Scale - 1:10,000,000

Nautical Miles.  
Statute Miles.

TEMPERATURE  
WEATHER.  
SEA.

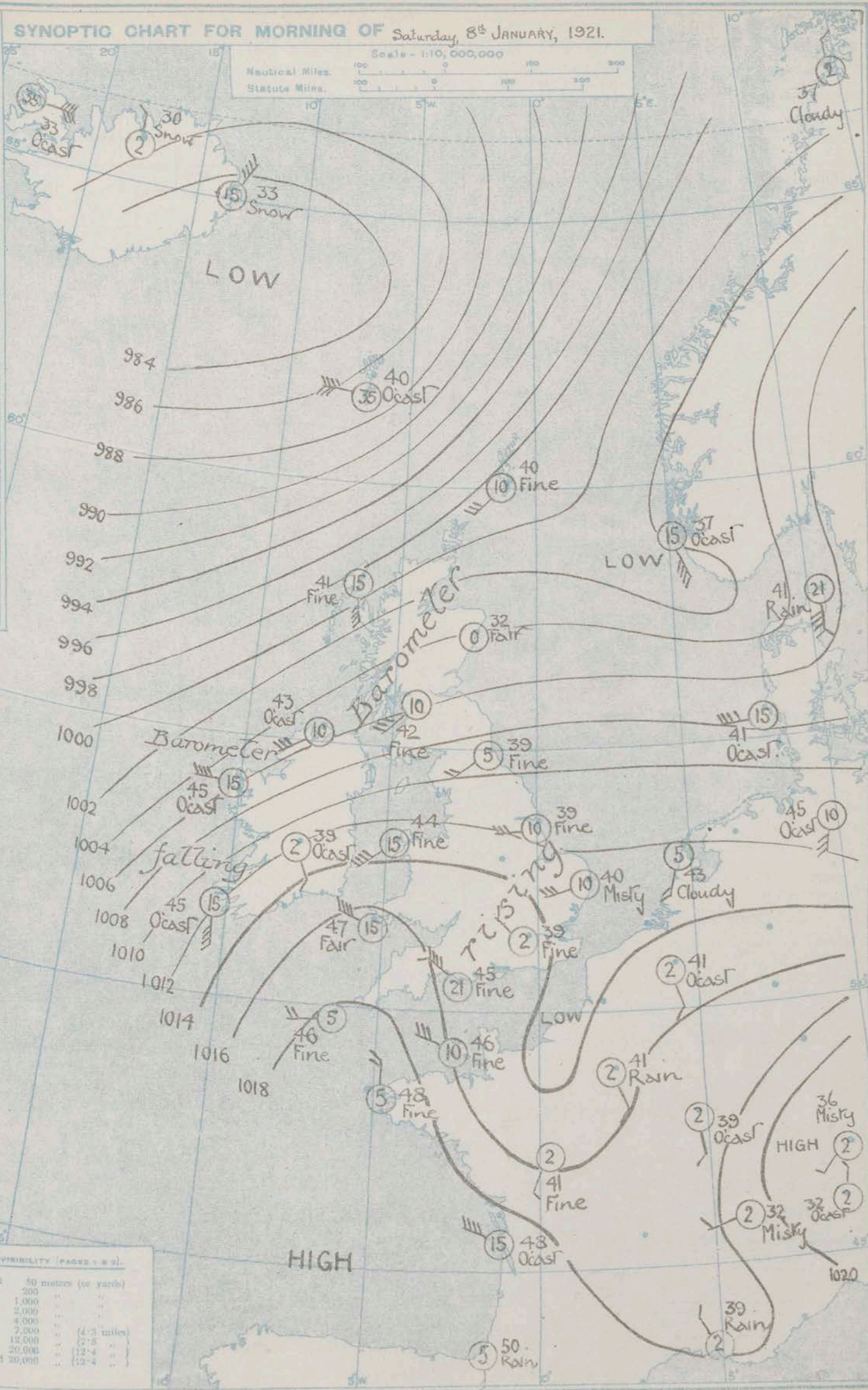


Visibility.  
Outlook.

Changes between West.

TELEGRAPHIC CODES FOR SURFACE VISIBILITY (PAGES 1 & 2).

Code	Description	Objects visible at	Distance
0	Dense fog.	Objects not visible at	50 metres (or yards)
1	Very Bad	"	"
2	Bad	"	"
3	Very Poor	"	"
4	Poor	"	"
5	Indifferent	"	"
6	Fair	"	"
7	Good	"	"
8	Very Good.	Objects visible beyond	20,000 "
9	Excellent.	Exceptional visibility.	"





## AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1921 No. 1...

Saturday  
8th January

WEATHER, TEMPERATURE RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 7 <sup>th</sup>																	
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. F.	Min. F.	Night 12h-9h.	Day 9h-12h.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. F.	Min. F.	Night 12h-9h.	Day 9h-12h.	Sunrise to Sunset.	
						6-7	7	7							6-7	7	7
Scotland	Oban ...	bc.	bc. op.	45	39	3	3	2.0	England, N.W.	Douglas (I.O.M.)	om.	bc.	43	38	1	-	0.0
	Banff ...	c.	c. bc.	41	35	0.2	-	0.2		Blackpool ...	om.	bc.	43	37	-	-	0.0
	Montrose ...	c.	c.	41	36	1	-	0.3		Southport ...	om.	bc.	42	37	1	-	0.0
	St. Andrews ...	c.	c.	41	36	1	-	0.3		Morecambe ...	om.	bc.	42	37	1	-	0.0
England, N.E.	Harrogate ...	m. bc.	o. bc. b.	40	35	1	-	0.0	Midlands.	Buxton ...	om.	bc.	43	37	4	2	0.0
	Scarborough ...	o.	o.	51	38	-	-	0.0		Leamington Spa ...	om.	bc.	43	37	4	2	0.0
	Skegness ...	of.	T. o. c. of.	42	36	-	9	0.0		Malvern ...	om.	bc.	46	39	3	5	0.2
	Lowestoft ...	om.	om.	47	44	-	4	0.0		Bath ...	om.	bc.	46	39	3	5	0.2
England, E.	Felixstowe ...	om.	om.	47	44	-	4	0.0	Wales.	Rhyl ...	c.	bc.	55	36	1	-	2.0
	Southend-on-Sea ...	om.	om.	48	42	2	3	0.0		Colwyn Bay ...	c.	bc.	44	38	2	-	2.0
										Llandudno ...	o.	bc.	47	37	2	-	2.0
										Aberystwyth ...	o. c.	bc.	47	38	-	-	3.0
England, S.E.	Tunbridge Wells	om.	om.	49	42	6	5	0.0	England, S.W.	Tenby ...	om.	bc.	47	38	-	-	0.0
	Margate ...	om.	om.	49	47	2	1	0.0		Swansea ...	om.	bc.	47	38	-	-	0.0
	Ramsgate ...	om.	om.	47	45	2	1	0.0		Weymouth ...	om.	bc.	48	41	12	4	0.8
	Folkestone ...	om.	om.	50	41	3	3	0.0		Teignmouth ...	om.	bc.	52	44	9	1	3.0
	Hastings ...	om.	om.	49	44	6	3	0.0		Torquay ...	om.	bc.	52	40	7	13	5.3
	Eastbourne ...	om.	om.	49	44	6	3	0.0		Paignton ...	om.	bc.	52	45	9	-	4.7
	Brighton ...	om.	om.	50	45	9	1	0.0		Penzance ...	om.	bc.	50	45	2	1	1.8
	Worthing ...	om.	om.	49	45	11	2	0.4		Newquay ...	om.	bc.	50	45	2	1	1.6
	Littlehampton ...	om.	om.	50	42	10	2	0.0		Bude ...	om.	bc.	48	44	3	1	1.6
	Portsmouth (S. Sea)	om.	om.	50	44	10	9	0.1		Ilfracombe ...	om.	bc.	48	43	6	2	1.6
	Bournemouth ...	om.	om.	46	40	11	2	1.5		Weston-s-Mare ...	om.	bc.	48	43	6	2	1.6

## SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	7h-12h.	12h-18h.	18h-1h.	1h-7h.	Max. Temp. F.	Min. Temp. F.	Min. on Grass F.	Sun. Hours.
Renfrew ...	bc. o. o	o. f. f.	b. o. p.	b. b. b. c.	44	36	35	2.8
Eskdalemuir ...	c. o. o	o. f. f.	b. o. p.	b. b. b. c.	38	29	26	0.1
Valencia (Cahireh) ...	b. o. c. p.	o. f. f.	b. o. p.	b. b. b. c.	42	39	36	1.0
Baldonnel ...	b. o. c. p.	o. f. f.	b. o. p.	b. b. b. c.	46	35	33	4.4
Manchester (Alex. Park) ...	o. f. f.	o. f. f.	b. o. p.	b. b. b. c.	43	33	24	0.0
Ross on Wye ...	o. f. f.	o. f. f.	b. o. p.	b. b. b. c.	43	34	27	0.1
Falmouth ...	o. f. f.	o. f. f.	b. o. p.	b. b. b. c.	51	38	32	2.2
Calshot (Hants) ...	o. f. f.	o. f. f.	b. o. p.	b. b. b. c.	50	35	32	3.0
Lymington (Folkestone) ...	o. f. f.	o. f. f.	b. o. p.	b. b. b. c.	47	37	33	0.0
Aberdeen ...	o. f. f.	o. f. f.	b. o. p.	b. b. b. c.	42	32	22	0.0
Howden ...	o. f. f.	o. f. f.	b. o. p.	b. b. b. c.	40	31	28	0.1
Cranwell (Lincoln) ...	o. f. f.	o. f. f.	b. o. p.	b. b. b. c.	41	32	31	0.2
Felixstowe ...	o. f. f.	o. f. f.	b. o. p.	b. b. b. c.	47	36	34	0.0
Shoeburyness ...	o. f. f.	o. f. f.	b. o. p.	b. b. b. c.	48	35	29	0.4
Benson ...	o. f. f.	o. f. f.	b. o. p.	b. b. b. c.	44	31	22	0.1
S. Farnborough ...	o. f. f.	o. f. f.	b. o. p.	b. b. b. c.	48	34	33	0.4
London (Kew Obs.) ...	o. f. f.	o. f. f.	b. o. p.	b. b. b. c.	49	35	28	1.0
Croydon ...	o. f. f.	o. f. f.	b. o. p.	b. b. b. c.	49	37	34	0.3

## BEAUFORT NOTATION.

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.
e	wet air without rain falling.
f	fog.
g	gloom.
h	hail.
i	lightning.
m	mist.
o	overcast sky.
p	passing showers.
q	squalls.
r	rain.
s	sleet, i.e., rain and snow together.
t	thunder.
u	ugly, threatening sky.
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.

## THE BEAUFORT SCALE OF WIND FORCE.

Limits of Velocity at about 30 feet above ground.		
No.	Scale miles per hour.	Miles per second.
0	Less than 1	Less than 0.3
1	1-5	0.3-1.3
2	6-10	1.3-2.8
3	11-15	2.8-4.2
4	16-20	4.2-5.7
5	21-25	5.7-7.1
6	26-30	7.1-8.6
7	31-35	8.6-10.1
8	36-40	10.1-11.6
9	41-45	11.6-13.1
10	46-50	13.1-14.6
11	51-55	14.6-16.1
12	56-60	16.1-17.6

## SYMBOLS—

Solar halo	☉
Lunar halo	☾
Solar corona	☉
Lunar corona	☾
Snow lying	☉

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %	
	Morning.	Afternoon.	Night.						16 h. G.M.T.	24 h. G.M.T.
	24 HOURS ENDED 24 G.M.T. 1891							YESTERDAY.	TO-DAY.	
Greenwich (Royal Observatory)	od	od.	o b o b x 2	49	37	31	7	0 0	89	90
City (Banhill Row) ...	"	"	"	"	"	"	"	0 0	"	"
Westminster (St. James's Park)	"	"	"	50	36	31	8	0 0	92	91
Regent's Park (Botanic Obs.)	"	"	"	"	"	"	"	0 0	"	"
Camden Sq. (British Museum)	omf	orc	"	50	35	31	9	"	96	93
Kensington Palace ...	of or	oc bc	"	49	36	31	10	"	91 (18h)	88
Hampstead Observatory ...	"	"	"	"	"	"	"	0 0	"	"

## SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	
Total	56 Joules.
Average Rate.	1.9 Milliwatts.
Maximum Rate.	3.

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

8th & 9th JAN. 1921			
Stations.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth...	8.4	12.0	3.56
Greenwich	8.5	12.1	3.57
Wick	9.0	12.1	3.58
Valencia	9.4	12.4	4.48

## Photographic Record of

## Pole Star (Polaris) and of 8 Ursa

## Minors at Greenwich Observatory.

Exposure from 7.17.15 m. to 7.40.0 m.			
Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	13.45	6.40	43
8 Ursa Minors	13.45	5.42	41

## NOTES ON THE WEATHER OF YESTERDAY.

Rain fell everywhere except in a small area in the North-East. The largest amounts were measured at Calshot (25mm) and South Farnborough 17mm. Several hours of sunshine were enjoyed at some Western stations, Penzance, Falmouth and Scilly recording 5 hours or more. Temperature was markedly lower, ground frosts occurring in many places.

\* Information for these columns not usually received.

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



DON

1.

TEMPERATURE

Max. Min.

°F. °F.

29 30

48 46

54 45

59 39

63 43

61 54

57 43

63 43

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

68 50

## AIR MINISTRY.

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

BRITISH SECTION.

No. B.2598

Sunday 9<sup>th</sup> JANUARY

1921

## OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 12H.

STATIONS.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND.		WEATHER.	TEMP. °F.	HUMIDITY. %	VISIBILITY. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND.		WEATHER.	TEMP. °F.	HUMIDITY. %	VISIBILITY. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.
			Dirac.	Force 0-12.						Form.	Am't. 0-10.	Form.	Am't. 0-10.				Dirac.	Force 0-12.						Form.	Am't. 0-10.	Form.	Am't. 0-10.	
			12H. G.M.T. OF 8																									
Renfrew ...	1005.2	-4	S	4	σ <sub>0</sub>	42	85	6	2,000	nb	10	-	-	996.7	-12	S	6	σ <sub>0</sub> 2.3f	44	97	4	1,250	nb	10	-	-	-	2
Eskdalemuir ...	1007.6	-4	SSW	4	σ <sub>0</sub> f	40	92	5	1,250	St	10	-	-	1000.7	-8	SSW	7	σ <sub>0</sub> q	41	97	5	-	nb	10	-	-	-	2
Valencia (Cabrera) ...	1007.0	-4	SW	5	σ <sub>0</sub> f	53	97	6	750	St	10	-	-	1009.0	+3	WSW	6	σ <sub>0</sub>	53	97	5	4500	St	10	-	-	-	4
Baldonnell ...	1006.3	-9	SW	6	σ <sub>0</sub> q	40	85	4	4500	nb	10	-	-	1003.3	-1	S	4	σ <sub>0</sub> q	50	92	4	750	St	10	-	-	-	2
Manchester (Alcazar) ...	1015.7	-3	SSW	3	σ <sub>0</sub> f	41	97	3	2,000	St	10	-	-	1007.9	-8	S	5	σ <sub>0</sub> f	42	97	3	2,000	nb	10	-	-	-	2
Ross on Wye ...	1015.8	-1	SW	3	σ <sub>0</sub> f	43	85	6	-	-	aSt	10	-	1012.3	-3	SW	6	σ <sub>0</sub> f	43	85	7	1,250	nb	10	-	-	-	2
Falmouth ...	1019.2	-2	SSW	3	σ <sub>0</sub>	47	75	7	-	St	10	-	-	1014.0	-5	SSW	5	σ <sub>0</sub> q	50	97	3	-	nb	10	-	-	-	2
Calshot (Hants) ...	1017.2	+1	SW	3	σ <sub>0</sub> q	44	92	5	3,000	St	4	aSt	6	2	1017.2	0	SW	5	σ <sub>0</sub>	47	85	8	3,000	St	8	aSt	2	3
Lympe (Folkestone) ...	1016.4	+2	WNW	3	σ <sub>0</sub> f	44	85	5	-	-	aSt	9	-	1017.9	+1	SW	2	σ <sub>0</sub> f	40	92	3	-	-	-	aSt	10	-	2
Aberdeen ...	1009.4	-3	SSW	3	σ <sub>0</sub> f	41	85	4	3,000	St	10	-	-	997.5	-9	S	4	σ <sub>0</sub> 2.3f	40	92	4	2,000	nb	10	-	-	-	3
Howden ...	1012.2	-2	SSW	2	σ <sub>0</sub> f	40	92	4	750	St	10	-	-	1008.2	-7	S	4	σ <sub>0</sub>	40	92	5	750	nb	10	-	-	-	2
Cranwell (Lincs) ...	1015.1	0	SW	2	σ <sub>0</sub> f	40	92	4	5,700	-	aSt	10	-	1012.3	-4	S	5	σ <sub>0</sub> 2.3f	41	92	5	4,200	nb	10	-	-	-	2
Felixstowe ...	1016.7	0	WNW	3	σ <sub>0</sub> f	43	85	6	-	-	aSt	8	-	1017.2	0	SW	5	σ <sub>0</sub>	43	85	8	3,000	St	8	aSt	2	-	2
Shoeburyness ...	1015.5	+2	WNW	1	σ <sub>0</sub> 2.3f	44	75	6	-	-	aSt	3	-	1016.8	0	SW	3	σ <sub>0</sub> f	43	85	3	3,000	St	3	aSt	7	-	2
Benson ...	1016.2	-1	SW	1	σ <sub>0</sub>	43	85	6	-	-	aSt	8	-	1014.7	-2	SSW	3	σ <sub>0</sub>	43	92	7	-	St	10	-	-	-	2
S. Farnborough ...	1017.3	-0	WSW	2	σ <sub>0</sub>	45	75	6	-	-	aSt	9	-	1016.3	-2	SSW	3	σ <sub>0</sub> f	42	85	6	-	St	10	-	-	-	2
London (Kew Obs.) ...	1016.8	-2	WNW	1	σ <sub>0</sub> 2.3f	43	85	5	-	-	aSt	8	-	1016.2	-2	SSW	3	σ <sub>0</sub>	43	85	5	-	-	aSt	10	-	-	2
Croydon ...	1017.5	+1	WNW	1	σ <sub>0</sub> f	43	85	5	-	-	aSt	10	-	1017.5	-1	S	2	σ <sub>0</sub> f	42	85	5	4,200	St	3	aSt	7	-	2
1H. G.M.T. OF 9																												
Renfrew ...	996.2	+1	WSW	6	σ <sub>0</sub> q	52	92	6	1,250	nb	10	-	-	996.8	+1	SW	7	σ <sub>0</sub> f	52	92	6	2,000	St	10	-	-	-	2
Eskdalemuir ...	996.9	-1	SW	6	σ <sub>0</sub> q	50	97	5	-	nb	10	-	-	998.6	0	WSW	6	σ <sub>0</sub> 2.3f	50	92	5	1,250	nb	10	-	-	-	2
Valencia (Cabrera) ...	1010.5	0	W	7	σ <sub>0</sub> 2.3f	52	*	*	*	*	*	*	4	1012.3	0	SW	5	σ <sub>0</sub>	54	85	6	1,250	St	10	-	-	-	2
Baldonnell ...	1005.3	+2	SW	6	σ <sub>0</sub> D	52	92	3	4500	St	10	-	-	1005.7	-0	SSW	6	σ <sub>0</sub> q	53	92	4	750	nb	10	-	-	-	2
Manchester (Alcazar) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	1005.1	-1	SW	5	σ <sub>0</sub> q	52	97	4	2,000	St	9	-	-	-	2
Ross on Wye ...	*	*	*	*	*	*	*	*	*	*	*	*	*	1009.8	0	W	6	σ <sub>0</sub>	53	85	8	2,000	St	5	aSt	2	-	2
Falmouth ...	1015.3	0	W	6	σ <sub>0</sub> q	52	92	4	-	nb	10	-	-	1016.5	0	W	4	σ <sub>0</sub>	53	97	6	-	St	10	-	-	-	2
Calshot (Hants) ...	1013.3	-4	SW	6	σ <sub>0</sub> 2.3f	50	97	3	4500	nb	10	-	-	1013.4	0	SW	5	σ <sub>0</sub> f	50	97	6	2,000	St	10	-	-	-	3
Lympe (Folkestone) ...	1013.8	-3	SSW	6	σ <sub>0</sub> f	45	97	3	2,000	St	10	-	-	1012.3	-1	SW	5	σ <sub>0</sub> 2.3f	49	97	4	1,250	nb	10	-	-	-	2
Aberdeen ...	*	*	*	*	*	*	*	*	*	*	*	*	*	993.5	+1	WNW	1	σ <sub>0</sub> f	43	97	6	-	St	10	-	-	-	2
Howden ...	1003.2	-3	SW	4	σ <sub>0</sub>	46	97	6	1,250	nb	10	-	-	1002.8	-1	WNW	5	σ <sub>0</sub> f	54	85	7	1,250	St	10	-	-	-	2
Cranwell (Lincs) ...	1006.1	-5	SW	6	σ <sub>0</sub>	49	92	6	2,000	St	10	-	-	1006.5	-0	WSW	5	σ <sub>0</sub> q	53	85	7	1,250	nb	9	-	-	-	2
Felixstowe ...	1012.5	-4	S	6	σ <sub>0</sub> f	45	97	6	2,000	St	10	-	-	1010.5	0	SW	4	σ <sub>0</sub>	51	92	7	5,700	St	10	-	-	-	3
Shoeburyness ...	*	*	*	*	*	*	*	*	*	*	*	*	*	1010.5	0	W	5	σ <sub>0</sub>	51	85	7	2,000	St	3	aSt	5	-	2
Benson ...	*	*	*	*	*	*	*	*	*	*	*	*	*	1010.7	0	SW	2	σ <sub>0</sub>	51	85	6	-	St	10	-	-	-	2
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	1011.9	0	WSW	3	σ <sub>0</sub> f	51	92	6	1,250	nb	10	-	-	-	2
London (Kew Obs.) ...	1011.8	-3	*	*	*	48	*	*	*	*	*	*	*	1011.7	+1	SW	3	σ <sub>0</sub>	51	85	7	2,000	St	8	-	-	-	2
Croydon ...	1012.8	-4	SW	6	σ <sub>0</sub> 2.3f	46	97	7	750	nb	10	-	-	1012.2	0	W	5	σ <sub>0</sub> 2.3f	51	85	7	750	St	8	aSt	2	-	2

## STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.

STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Dirac. of Upper Cloud.	Weather.	Sea 0-9.	TEMP.		WEATHER.			Sunshine Hours.		
	at M.S.L. mb.	°F.	Dirac.	Force 0-12.		at M.S.L. mb.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dirac.	Force 0-12.				↑ Rainfall inches.	Max. °F.	Min. °F.	Morning.	Afternoon.		Night.	
	12 HOURS ENDED 7H. 9																					
	12H. G.M.T. of 8					7H. G.M.T. of 9															8	
Lerwick	995.2	43	SW	3	over	989.2	0	43	+3	W	2	-	bc	1	4	45	39	bcq	over	over	over	7
Stornoway	990.0	41	S	5	or	990.4	-3	43	+2	-	0	-	op	0	6	46	40	b. or q.	or	odp	0.0	
Castell Bay (Barra)	990.7	50	WSW	4	0	993.4	0	51	+7	WSW	5	-	q	5	3	51	42	opt.	T.0	op	0.0	
Malin Head	992.8	48	SSW	4	smg	995.2	0	51	+8	SW	4	-	smg	6	3	52	38	smg	smg	smg	0.0	
Blackod Point	999.2	52	WSW	3	0.4-5f	1002.4	-1	52	+7	WSW	4	-	0.4-5f	4	13	53	46	0.	smg	smg	0	
Roche's Point	1008.7	53	SW	3	0	1012.3	0	53	+8	W	4	-	bc	5	3	54	45	0-m	0-m	op bc	0	
Birr Castle	1004.0	52	SW	3	r	1007.9	*	53	+14	SW	4	-	0	*	3	54	38	or.	or	op q.0	0.0	
Donaghadee	1000.9	46	WSW	3	om	1001.0	-1	53	+13	W	4	-	bcmq	4	6	53	39	om	smg	smg	0	
Liverpool (Bidston)	1006.3	43	S	4	T	1004.6	-1	53	+12	WSW	7	W	q	6	2	55	41	op.	op	0. c q.	0.0	
Holyhead	1004.3	48	SSW	7	smg	1006.4	0	52	+8	SW	5	-	q	5	8	57	43	op q	op q	op q	0.0	
Pembroke (St. Ann's Head)	1009.3	49	SSW	5	0.2-3f	1012.4	+1	52	+5	WSW	5	-	0	5	4	52	44	c v d	odm	odm	0.1	
Scilly (St. Mary's)	1014.4	52	WSW	4	0.2-3f	1017.2	0	52	+6	W	5	W	bif	5	5	52	45	bc sm	smf	sm	0.0	
Jersey (St. Aubin)	1020.3	48	SW	4	0	1019.1	0	52	+6	SW	5	-	od	3	2	52	43	0	0	0	1.3	
Portland Bill	1016.7	47	SW	6	or	1013.5	0	48	+3	WSW	6	SW	c	6	1	51	44	bc.0	or	or. 0.0	0	
Dungeness	1017.9	46	SW	3	c	1012.5	-1	50	+8	SW	7	-	q	7	0.3	51	40	bc.	bc	q. od q.	0	
Wick	993.1	42	S	6	0	991.3	0	42	+5	WNW	1	-	op	1	5	44	34	bc. c.	c. op.	op. op	0	
Nairn	992.5	40	WSW	1	T	991.7	*	43	+5	-	0	-	q.	1	1	49	36	bc. q.	c. p.	0. p.0	0.0	
Leith	996.4	44	SW	2	0	994.4	0	53	+11	W	5	W	c	3	0.4	53	41	bc.0	od.0	q. op c	0	
Tynemouth	1003.7	42	SW	3	0	997.9	0	55	+16	W	4	-	q.2	3	1	55	39	om	om	om	0	
Spurn Head	1009.1	41	SW	5	0	1002.9	0	51	+12	SW	5	-	q	4	1	51	27	bm	om	op. q.	0	
Yarmouth	1015.4	41	SW	3	0	1007.7	-2	51	+11	SSW	4	-	ov	7	1	51	39	bc. q.	q	or. q.	2.7	
Clacton-on-Sea	1016.4	44	WSW	3	0	1009.7	0	50	+5	SW	3	-	c	3	0.2	50	39	c. bc. om	c. om	om p. c	0.2	
Nottingham	1011.0	43	SW	4	or	1006.0	*	53	+19	WSW	4	W	0	x	1	53	33	c. om	om	op	0.2	



**EXPLANATION.**  
**BAROMETER.**—Isobars are drawn at intervals of two millibars.  
**WIND.**—Direction is shown by the flag with the force of the wind 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.  
**TEMPERATURE.**—is given in degrees F.  
**WEATHER SYMBOLS.**—  
 ☉ sky; clear sky.  
 ☁ sky; cloudy.  
 ☂ sky; shower.  
 ☃ rain falling.  
 ☄ hail.  
 ☇ overcast sky.  
 ❄ snow.  
 ☂ elect.  
 ☃ mist.  
 ☄ thunder.  
**SEA DISTURBANCE.**—  
 ⚡ High waves.  
 ⚡ Rough.

Further depressions are likely to come over the British Isles from the Atlantic, causing a prolongation of the mild, unsettled weather, with the wind between West and South.

Continuing mild  
and unsettled.



# SYNOPTIC CHART FOR MORNING OF Sunday, 9th JANUARY, 1921.

Nautical Miles  
Statute Miles.

Scale - 1:10,000,000

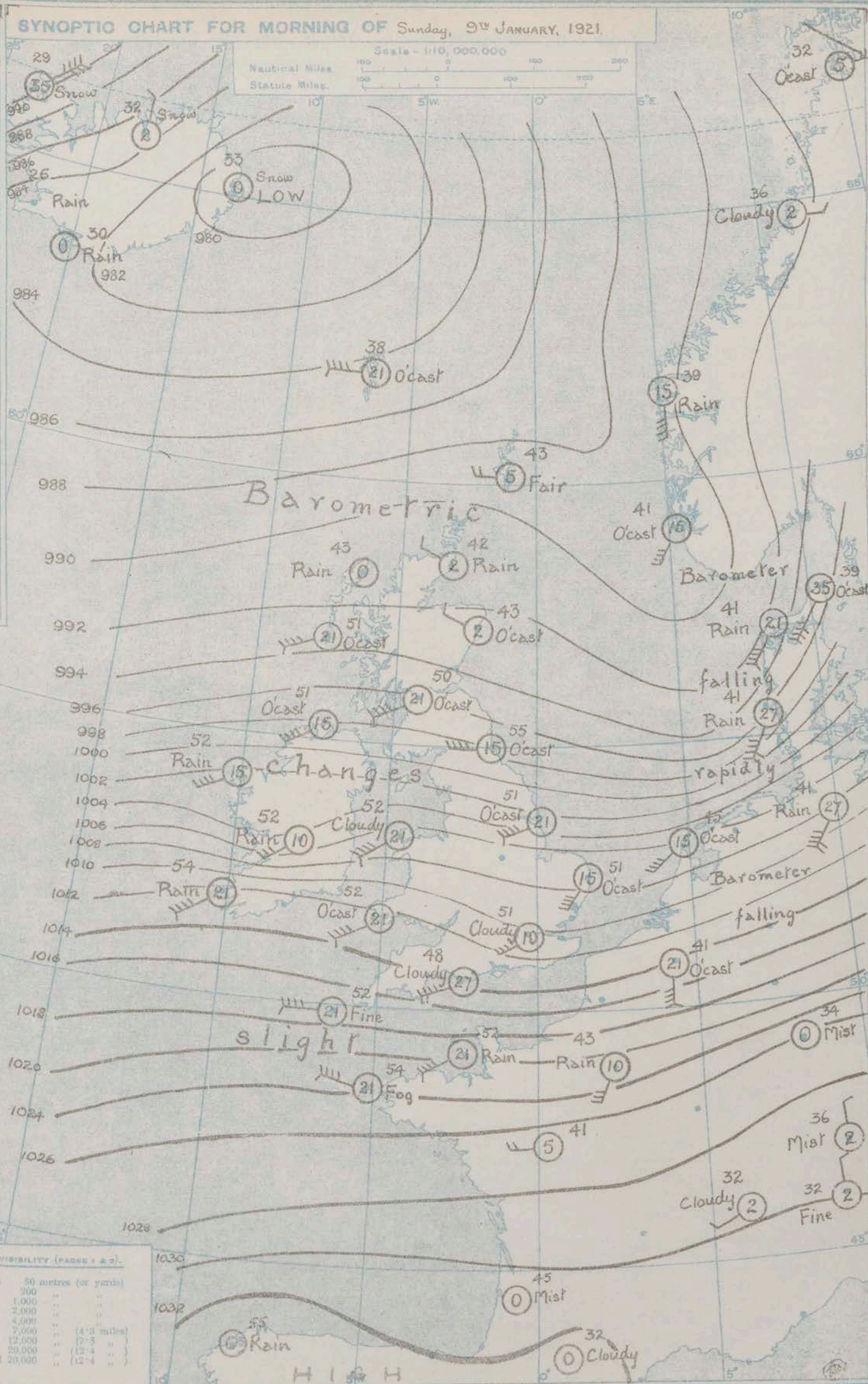
... are drawn in  
... shown on the  
... Force, on the  
... by the number  
... is shown in  
... in small circles  
... in degrees F.

8 mild  
tled.

5. Direction

## TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGE 1 & 2).

Objects not visible at	50 metres (or yards)
Very Poor	200
Poor	1,000
Fair	2,000
Good	4,000
Very Good	7,000
Excellent	12,000
Exceptional visibility	20,000





# AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1921 No. 9...

Sunday  
9 JANUARY

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 9 JANUARY 1921.																						
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.				
		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 12h-12h.	Day. 9h-12h.	Sunrise to Sunset.	Forenoon.			Afternoon.	Max. F.	Min. F.	Night. 12h-12h.	Day. 9h-12h.	Sunrise to Sunset.					
Scotland.	Oban ...	o.	o5	44	40	4	11	0.0		England, N.W.	Douglas (L.O.M.)											
	Banff ...	bc.c.	o5	42	34	-	0.2	0.0			Blackpool ...	o.	o5	45	35	2	2	0.0				
	Montrose ...										Southport ...	c.o.	o5	44	37	3	2	0.0				
	St. Andrews ...										Moscambe ...											
England, N.E.	Harrogate ...	o	o5	42	33	-	0.2	0.0		Midlands.	Buxton ...											
	Scarborough ...										Leamington Spa ...											
	Skegness ...										Malvern ...											
England, E.	Lowestoft ...									Wales.	Rhyl ...	b.bc.o.	o5	46	33	1	0.3	0.1				
	Felixstowe ...	om	om	43	34	1	-	1.4			Colwyn Bay ...											
	Southend-on-Sea ...	o5	o5	45	37	0.3	-	2.3			Llandudno ...	o	o5	48	35	8	0.2	0.0				
England, S.E.	Tunbridge Wells	b.	bc.o	45	36	0.3	-	3.1		England, S.W.	Aberystwyth ...	o	o5	47	35	1	2	0.0				
	Margate ...	c.	c	44	39	0.1	-	0.5			Tenby ...											
	Ramsgate ...			43	36	0.3	-	1.2			Swansea ...											
	Folkestone ...										Weymouth ...	b.bc3	o5	49	38	6	0.2	0.3				
	Hastings ...	bc	b.bc.o	47	39	1	-	4.1			Teignmouth ...											
	Eastbourne ...	bc.	c.o	46	39	4	-	4.3			Torquay ...	c.o.	a	49	37	6	0.4	0.0				
	Brighton ...										Paignton ...	o.	o5	49	38	6	Trace	0.0				
	Worthing ...	b.	c.o	45	36	3	-	3.8			Penzance ...	c.o.	o5	52	40	7	7	0.0				
	Littlehampton ...	bc	bc	47	35	4	-	4.1			Newquay ...											
	Portsmouth (S. Coast)										Bude ...	p.c.o	5	50	43	4	1	0.0				
	Bournemouth ...										Ilfracombe ...	o.	o5	47	43	7	2	0.0				
											Weston-s-Mare ...											
SUMMARIES FOR PAST 24 HOURS.																						
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUN.		BEAUFORT NOTATION.		THE BEAUFORT SCALE OF WIND FORCE.		SYMBOLS.								
		7h-12h.	12h-12h.	Max. F.	Min. F.	Min. on Grass. F.	Day. 7h-12h.	Night. 12h-7h.	Sun. Hours.													
Renfrew	...	b.c.c.	o5	52	38	4.0	0.0	0.0		b blue sky (not more than a quarter covered).		No.	Less than 1	Less than 0.5								
Eskdalemuir	...	c.o.	o5	50	36	4.0	0.0	0.0		bc sky partly cloudy (one half covered).		1	1-2	0.5-1.5								
Valencia (Cabin's)	...	o5	o5	54	44	5.1	0.0	0.0		c generally cloudy (three quarters covered).		2	4-7	1.5-3.5								
Baldonnel	...	o5	o5	53	38	4.8	0.0	0.0		d drizzle, or fine rain.		3	8-12	3.5-5.5								
Manchester (Alex. R.)	...	b.c.c.	o5	51	35	1.1	0.0	0.0		e wet air without rain falling.		4	13-18	5.5-10.5								
Ross on Wye	...	o5	o5	53	36	4.0	0.1	0.2		f fog.		5	19-24	10.5-15.5								
Falmouth	...	b.c.c.	o5	53	38	4.9	0.0	0.0		g gloom.		6	25-31	15.5-20.5								
Calshot (Hants)	...	o5	o5	53	38	4.9	0.0	0.0		h hail.		7	32-38	20.5-25.5								
Lympne (Folkstone)	...	o5	o5	53	39	3.9	0.0	0.0		i lightning.		8	39-46	25.5-30.5								
Aberdeen	...	o5	o5	49	32	3.4	0.1	0.0		m mist.		9	47-54	30.5-35.5								
Howden	...	o5	o5	54	33	2.9	0.3	0.0		n overcast sky.		10	55-62	35.5-40.5								
Cranwell (Lincs)	...	o5	o5	53	32	3.8	0.1	0.2		p passing showers.		11	63-75	40.5-45.5								
Felixstowe	...	b.c.c.	o5	51	38	4.1	0.1	1.4		q squalls.		12	Above 75	45.5 or above								
Shoeburyness	...	b.c.c.	o5	52	39	4.1	0.1	2.5		r rain.												
Benson	...	b.c.c.	o5	52	39	4.1	0.1	2.5		rs sleet, i.e., rain and snow together.												
S. Farnborough	...	b.c.c.	o5	51	32	3.9	0.1	2.9		s snow.												
London (Kew Obs.)	...	b.c.c.	o5	52	36	4.1	0.1	2.0		t thunder.												
Croydon	...	o5	o5	52	35	3.9	0.0	2.0		u ugly, threatening sky.												
LONDON OBSERVATIONS.																						
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).		TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.								
		Morning.	Afternoon.	Night.	Max. F.	Min. F.	Min. on Grass. F.	Rain-fall. mm.	Sun-shine to Sunset. Hours.	15h. G.M.T.	9h. G.M.T.											
24 HOURS ENDED 9h G.M.T. 9 JANUARY 1921.																						
Greenwich (Royal Observatory)	...	b2	o5	o	53	36	4.2	0.7	83	88	88	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Stations.	Sunrise. G.M.T.	Noon. G.M.T.							
City (Bunhill Row)	...												Yarmouth ...	6.3	12.0							
Westminster (St. James's Park)	...												Greenwich	6.3	12.1							
Regents Pk. (Botanic Obs.)	...																					
Camden Sq. (British Rainfall)	...	b.	bc.o		53	36	?		94	89		Total ... 88 Joules.										
Kensington Palace	...				53	37	4.1	0.5	86 (18h)	90		Average Rate. 6.5 Milliwatts.	Wick	6.5	12.19							
Hampstead Observatory	...				51	34	4.2	1	1.46	91		Maximum Rate. 14	Valencia	6.5	12.48							
NOTES ON THE WEATHER OF YESTERDAY.																						
Temperature rose to 50° or above over the greater part of the Kingdom. Rain fell very generally the largest amounts being measured in the North and North-West; at Eskdalemuir the value was 20mm and at Blackpool Point 13mm. About 4 hours bright sunshine was recorded at some places in the South East of England, but in nearly all the other districts the day was sunless.																						
Photographic Record of Pole Star (Polaris) and of 3 Ursa Minoris at Greenwich Observatory.																						
Exposure from ... to ...																						
to ...																						
Stars. Duration of Exposure. Duration of Record. %																						
Polaris																						
3 Ursa Minoris																						

\* Information for these columns not usually received.

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



## AIR MINISTRY.

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

BRITISH SECTION.

No. B.2,599 Monday, 10<sup>th</sup> January, 1924.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 12H.

STATIONS.	Barom. at M.S.L.	Change in 3 hours.	WIND. Dir.	Force 0-12.	Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea.	Barom. at M.S.L.	Change in 3 hours.	WIND. Dir.	Force 0-12.	Temp. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea.																							
	mb.											mb.																																	
12H. G.M.T. OF 9 <sup>th</sup>																							12H. G.M.T. OF 9 <sup>th</sup>																						
Renfrew ...	998.5	+1	WSW	6	0D	52	97	5	750	Nb	10	-	-	-	998.5	-3	SW	6	0D	53	92	6	1,250	Nb	10	-	-	-																	
Eskdalemuir ...	999.6	+1	SW	6	0R-3f	50	92	3	1,250	Nb	10	-	-	-	998.8	-3	SW	7	0R-3f	50	92	5	-	Nb	10	-	-	-																	
Valencia (Cahire's) ...	1012.9	-1	SW	7	01f	55	75	6	1,250	St	10	-	-	-	1012.3	-1	SW	6	0	54	85	6	2,000	St	10	-	-	-																	
Baldonnell ...	1007.3	-0	SW	6	0D	55	85	8	750	St	10	-	-	-	1006.7	-1	SW	8	0D	53	92	5	1,500	St	10	-	-	-																	
Manchester (Alex. Pk.) ...	1006.2	+1	WSW	6	0mg	57	75	4	2,000	St	9	-	-	-	1007.1	H	WSW	6	0mg	55	85	5	2,000	St	5	-	-	-																	
Ross on Wye ...	1012.6	+2	W	6	C	55	85	7	2,000	St	8	-	-	-	1013.7	H	SW	4	0	53	85	4	3,000	St	4	-	-	-																	
Falmouth ...	1019.5	+2	WSW	5	0mg	53	92	5	-	St	7	-	-	-	1019.7	H	WSW	5	0R-3f	53	92	4	-	St	7	-	-	-																	
Calshot (Hants) ...	1015.8	0	SSW	4	01f	51	97	7	2,000	St	10	-	-	-	1016.6	0	SW	6	0	50	97	7	2,000	St	1	-	-	-																	
Lymington (Folkestone) ...	1013.6	+2	WSW	5	02f	51	92	5	1,500	St	10	-	-	-	1015.0	H	WSW	5	02f	50	97	5	750	St	10	-	-	-																	
Aberdeen ...	992.6	-2	WSW	2	01f	54	75	6	4,200	St	8	-	-	-	992.4	H	WSW	3	01f	50	75	6	4,200	St	10	-	-	-																	
Howden ...	1004.2	+1	W	6	0	56	85	6	1,250	St	10	-	-	-	1004.9	-1	W	6	01f	56	85	7	1,250	St	10	-	-	-																	
Cranwell (Lincs) ...	1007.3	0	WSW	5	02f	56	85	7	1,250	St	9	-	-	-	1008.9	+2	WSW	5	01f	54	85	7	2,000	St	5	-	-	-																	
Felixstowe ...	1012.1	0	SW	4	01f	54	85	6	4,200	St	9	-	-	-	1012.9	H	SW	4	01f	54	85	6	4,200	St	4	-	-	-																	
Shoeburyness ...	1012.2	0	SW	4	0	54	75	6	3,000	St	9	-	-	-	1012.5	0	SW	4	0	55	75	6	2,000	St	10	-	-	-																	
Benson ...	1013.1	-1	SW	4	01f	56	85	6	-	St	4	-	-	-	1014.0	H	SW	4	0	53	85	3	-	St	10	-	-	-																	
S. Farnborough ...	1013.6	-0	WSW	3	0	56	85	7	2,000	Nb	8	-	-	-	1014.6	0	WSW	5	01f	54	85	7	2,000	St	5	-	-	-																	
London (Kew Obs.) ...	1013.1	-1	WSW	4	0	55	85	5	2,000	St	3	-	-	-	1014.4	H	WSW	4	0	55	85	6	3,000	St	8	-	-	-																	
Croydon ...	1014.0	0	W	5	01f	55	85	6	1,250	St	5	-	-	-	1015.1	0	WSW	5	01f	54	85	7	1,250	St	8	-	-	-																	
12H. G.M.T. OF 10 <sup>th</sup>																							12H. G.M.T. OF 10 <sup>th</sup>																						
Renfrew ...	998.3	+1	WSW	4	01f-3f	45	92	4	-	St	10	-	-	-	997.3	-6	SW	4	02f	43	85	5	2,000	St	10	-	-	-																	
Eskdalemuir ...	998.6	+2	WSW	3	01f	46	92	3	-	Nb	10	-	-	-	997.6	-4	WSW	3	01f	42	92	5	-	Nb	10	-	-	-																	
Valencia (Cahire's) ...	1009.3	-2	SSW	5	01f	53	-	-	-	-	-	-	-	-	1009.2	-12	SW	7	01f	52	92	5	2,000	St	10	-	-	-																	
Baldonnell ...	1006.0	-1	SSW	7	01f	54	85	5	750	St	10	-	-	-	999.9	-10	SW	6	01f	53	75	7	3,000	St	3	-	-	-																	
Manchester (Alex. Pk.) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1004.9	-5	SW	6	02f	54	92	4	2,000	St	9	-	-	-																	
Ross on Wye ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1009.9	-4	W	6	01f	52	92	6	1,250	Nb	10	-	-	-																	
Falmouth ...	1019.3	-2	SW	6	0	52	92	6	-	St	10	-	-	-	1014.0	-8	SW	7	01f	53	92	6	-	St	10	-	-	-																	
Calshot (Hants) ...	1017.5	0	SW	5	01f	52	92	6	3,000	St	10	-	-	-	1015.0	-4	SW	5	02f	51	97	5	2,000	St	10	-	-	-																	
Lymington (Folkestone) ...	1016.2	0	W	5	01f	50	85	6	1,250	St	10	-	-	-	1014.7	-1	WSW	6	01f	50	92	6	750	St	9	-	-	-																	
Aberdeen ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	994.9	-1	SSW	2	01f	39	85	4	4,200	St	6	-	-	-																	
Howden ...	1004.0	-1	WSW	7	01f	54	85	6	4,200	St	2	-	-	-	1002.1	-2	WSW	7	01f	53	85	7	2,000	St	5	-	-	-																	
Cranwell (Lincs) ...	1008.5	0	WSW	6	0	52	85	7	2,000	St	9	-	-	-	1006.3	0	SW	6	01f	52	85	8	2,000	St	2	-	-	-																	
Felixstowe ...	1007.7	+1	SW	4	0	50	92	8	-	-	-	-	-	-	1012.4	-1	SSW	5	01f	51	92	7	-	-	-	-	-																		
Shoeburyness ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.8	-2	SW	5	0	52	75	7	3,000	St	8	-	-	-																	
Benson ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1014.0	-4	SW	4	0	52	85	7	-	St	10	-	-	-																	
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.8	-3	SW	5	0	52	92	7	750	St	10	-	-	-																	
London (Kew Obs.) ...	1012.7	0	*	*	*	*	*	*	*	*	*	*	*	*	1012.8	-2	SW	4	02f	53	85	5	2,000	St	10	-	-	-																	
Croydon ...	1015.9	0	WSW	7	01f	54	75	7	2,000	St	9	-	-	-	1013.7	-2	WSW	5	01f	52	85	6	1,250	St	10	-	-	-																	

STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.

STATIONS.	BAROM.	TEMP.		WIND.		Weather.	BAROMETR.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea.	Rainfall	TEMP.		WEATHER.			Sunshine Hours.
	at M.S.L.	°F.	Direc.	Force 0-12.	at M.S.L.		Change in 3 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.	Max. °F.					Min. °F.	Morning.	Afternoon.	Night.		
	mb.				mb.																	
	12H. G.M.T. of 9 <sup>th</sup>						7H. G.M.T. of 10 <sup>th</sup>						24 HOURS ENDED 7H. 10 <sup>th</sup>						9 <sup>th</sup>			
Lerwick	983.4	44	WSW	5	0mg	985.9	0	49	-3	SW	4	-	b	3	4	47	37	0mg	0mg	bca bca	0.0	
Stornoway	990.5	43	SSW	4	01f	990.4	-1	39	-4	SW	2	-	b	1	5	48	38	01f	01f	01f	0.0	
Castletown (Barra)	994.2	47	NNW	5	01f	993.9	-1	45	-6	W	4	-	c	4	0.4	51	42	01f	01f	01f	0.0	
Blackhead	996.4	51	WSW	4	0mg	995.4	-2	45	-6	WSW	4	-	01f 2-3f	4	5	51	45	0mg	0mg	0mg	0.0	
Blackod Point	1000.0	53	WSW	4	0mg	995.8	-1	45	-7	W	2	-	01f	3	2	53	45	0mg	0mg	0mg	0.0	
Roche's Point	1013.6	54	WSW	5	0	1004.7	-9	53	0	WSW	5	-	0	5	1	55	52	0	0	0	0.0	
Birr Castle	1009.6	53	SW	4	0	999.2	-1	53	0	S	5	-	0	5	0.4	54	52	0	0	0	0.0	
Dunagbadee	1002.1	53	WSW	4	0mg	1000.2	-4	45	-8	-	0	-	0mg	0	6	55	45	0mg	0mg	0mg	0.0	
Liverpool (Bidston)	1007.4	54	SW	5	0	1002.7	-4	52	-1	SW	7	-	bca	6	-	57	51	bca	bca	0.0	2.6	
Holyhead	1007.5	52	SW	5	0	1002.9	-5	51	-1	SW	7	-	01f	6	Trace	53	50	01f	01f	01f	0.0	
Fernbrook	1014.6	52	WSW	5	01f	1009.0	-4	51	-1	SSW	5	-	01f	5	1	53	50	01f	01f	01f	0.0	
Scilly (St. Mary's)	1019.1	53	W	4	01f	1015.4	-6	53	+1	SW	5	-	0	6	-	54	49	01f	01f	01f	0.0	
Jersey (St. Aubin)	1021.9	53	WSW	5	0	1019.7	-2	53	+1	SW	5	-	01f	4	0.1	54	50	01f	01f	01f	0.0	
Portland Bill	1016.4	52	WSW	7	bca	1014.7	-5	52	+4	WSW	7	-	01f	7	-	54	48	01f	01f	01f	0.0	
Dungeness	1015.4	51	W	6	bca	1016.1	-1	51	+1	WSW	6	-	c	6	-	52	49	01f	01f	01f	0.0	
Wick	988.8	44	WSW	3	0mg	990.4	-3	35	-7	WSW	3	-	b	2	2	47	34	01f	01f	01f	0.0	
Nairn	990.6	48	-	0	c	992.7	0	37	-6	W	1	-	c	1	2	51	37	01f	01f	01f	0.3	
Leith	994.2	54	WSW	6	0	995.8	0	43	-10	WSW	2	-	0	3	2	54	43	01f	01f	01f	0.0	
Tynemouth	999.3	56	W	4	01f	998.5	+1	47	-8	W	3	-	bca	3	-	56	45	01f	01f	01f	0.0	
Spurn Head	1005.5	54	SW	4	0	1001.6	-2	51	0	WSW	6	-	b	5	-	54	39	01f	01f	01f	0.0	
Yarmouth	1010.0	54	WSW	4	01f	1009.3	-2	52	+1	WSW	6	-	bca	3	-	57	49	01f	01f	01f	0.4	
Hutton-on-Sea	1012.5	53	WSW	4	01f	1012.1	-1	52	+2	WSW	3	-	c	3	-	54	48	01f	01f	01f	0.2	
Nottingham	1008.1	56	W	4	0	1006.1	0	53	0	W	4	-	c	4	-	57	52	01f	01f	01f	0.2	



## SUMMARY OF CONDITIONS AT 7 h. G.M.T. 10. 1. 1921

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Temperature reported from Coastal and Cross Channel Steamers.			
				Position Number.	Date	Time G.M.T.	Air °F
1. S.E. England	Dull, local mist and squalls	Indiff.	R. Rough	8	9 <sup>th</sup>	0445	49
2. E. England	Fine to dull.	V. Good	Mod.	4A	9 <sup>th</sup>	0530	51
3. E. Midlands	Cloudy or dull.	Fair	-	3	9 <sup>th</sup>	1025	51
4. W. Midlands	Dull, slight local drizzle	"	-				
5. S.W. England	Dull, squally, slight local drizzle	"	Rough				
6. South Wales	Dull.	"	R. Rough				
7. North Wales	Fair to dull, squally.	Good	Rough				
8. N.W. England	Dull, local mist.	Poor	"				
9. N. Midlands	Fair to dull.	Indiff.	-				
10. N.E. England	Fine to cloudy.	Fair	R. Rough				
11. E. Scotland	Fair to dull, local mist	Poor	Smooth				
12. S.W. Scotland	Dull, misty.	Indiff.	"				
13. Isle of Man	Dull, squally.	Indiff.	Var.				
14. N. & N.W. Scotland	Fine to cloudy.	Fair	Smooth				
15. Hebrides	Fine to cloudy.	Good	Slight				
16. Orkneys and Shetlands	Fine.	Poor	"				
17. N.W. Ireland	Dull, some mist and rain.	V. Poor	"				
18. N.E. Ireland	Dull, some mist and rain	Indiff.	"				
19. S.E. Ireland	Fair to dull.	Good	R. Rough				
20. S.W. Ireland	Dull, slight rain in West	Indiff.	Rough				

CHART OF POSITION NUMBERS and Upper Cloud

Lower Cloud.

Isallobars.

Barometric change from 4 h. to 7 h. (half millibars).

**EXPLANATION.**  
 BANDMETER. — Isobars are drawn at intervals of two millibars.  
 WIND. — Direction is shown by the flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in per hour by figures in small circles.  
 TEMPERATURE. — Is given in degrees Fahrenheit.  
 WEATHER SYMBOLS. —  
 ☉ clear sky. ☁ sky & cloud. ☂ rain falling. ☄ overcast sky. ⚡ elect. ⚡⚡ thunder. \* snow. \* mist. \* fog. T thunder. R thunderstorm.  
 SEA DISTURBANCE. — High. Rough.

## GENERAL INFERENCE from observations received up to 9h.

During the next few days strong winds or gales from a Westerly direction are probable with alternating fair and rainy periods and a temperature mainly high for the season but colder at times especially in the North.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 10th January, 1921.
1. S.E. England	Strong winds or gales from some Westerly point; alternating fair and rainy periods; base of clouds as low as 1000 feet at times; visibility fair to good; temperature rather high at first, but becoming somewhat colder temporarily.
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	Wind varying considerably in direction, but mainly from SW or W, strong to a gale locally; much low cloud, but fair intervals, rain or hail showers; occasional thunder and lightning locally, especially on the coast; colder than of late.
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	Same as 1 - 10.
20. S.W. Ireland	

Further Outlook.

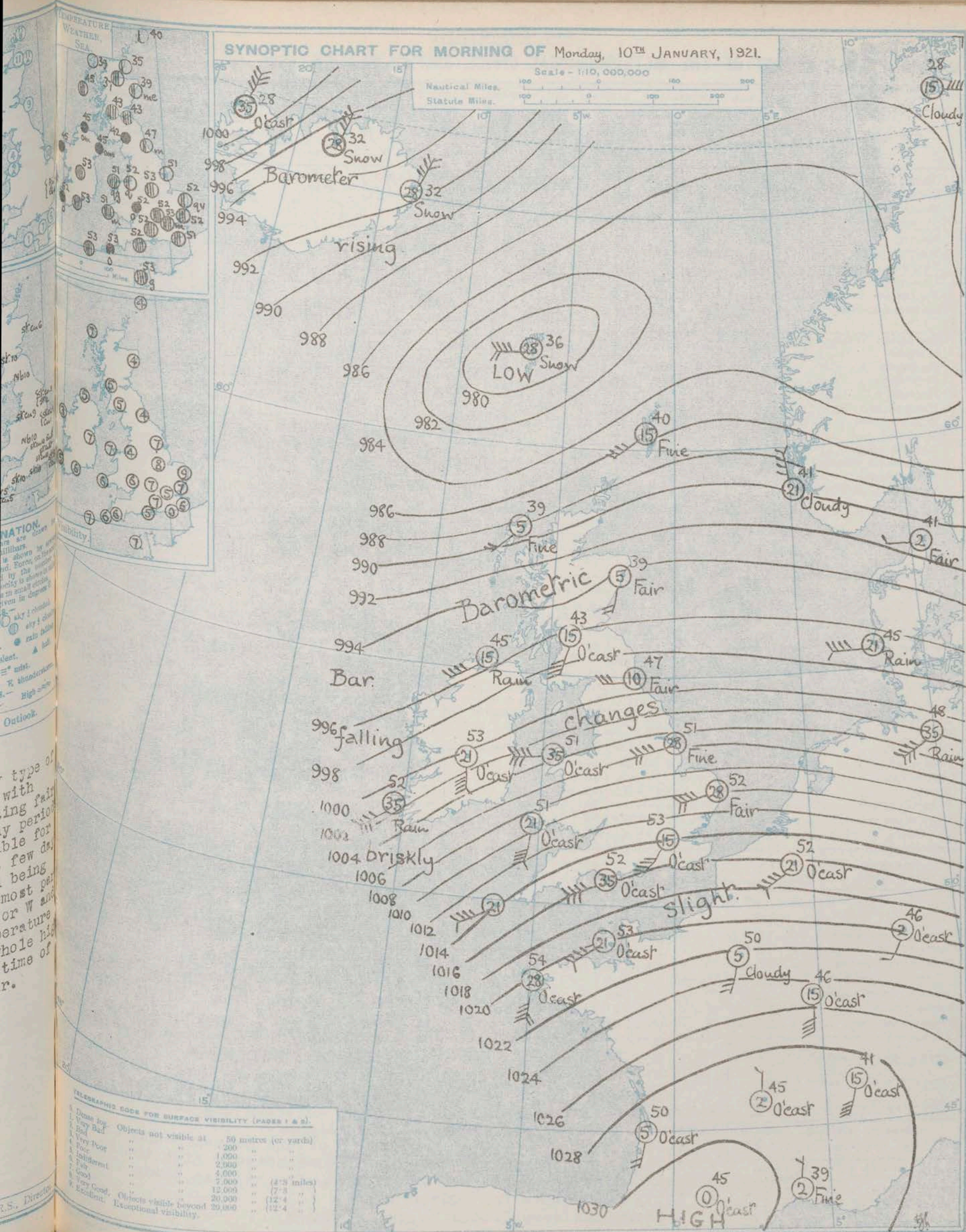
A stormy type of weather with alternating fair and rainy periods is probable for the next few days, the wind being for the most part from SW or W and the temperature on the whole high for the time of year.



SYNOPTIC CHART FOR MORNING OF Monday, 10<sup>TH</sup> JANUARY, 1921.

Scale - 1:10,000,000

Nautical Miles.  
Statute Miles.



TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2)	
1. Dense fog	50 metres (or yards)
2. Very Bad	
3. Bad	Objects not visible at 50 metres (or yards)
4. Very Poor	" " 200 "
5. Poor	" " 1,000 "
6. Indifferent	" " 2,000 "
7. Fair	" " 4,000 "
8. Good	" " 7,000 "
9. Very Good	" " 12,000 "
10. Excellent	" " 20,000 "
	Objects visible beyond 20,000 "
	Exceptional visibility. 12.4 "



## AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1921 No. 10.

Monday  
10<sup>th</sup> January

WEATHER, TEMPERATURE RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 9 <sup>th</sup>																		
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night, 12h-9h. 8 <sup>th</sup> 9 <sup>th</sup>	Day, 9h-12h. 9 <sup>th</sup>	Sunrise to Sunset. 9 <sup>th</sup>			Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night, 12h-9h. 8 <sup>th</sup> 9 <sup>th</sup>	Day, 9h-12h. 9 <sup>th</sup>	Sunrise to Sunset. 9 <sup>th</sup>	
Scotland.	Oban ... ..								England, N.W.	Douglas (I.O.M.)							0.0	
	Banff ... ..	o.c.	b.c.c.o	53	39	2	-	1.0		Blackpool ... ..	o.c.	o	51	43	3	0.1	0.3	
	Montrose ... ..									Southport ... ..	o.c.o	o	54	47	1	-		
	St. Andrews ... ..									Morecambe ... ..	*	*						
England, N.E.	Harrogate ... ..	o.g.d.	o.d.	54	40	-	1	0.0	Midlands.	Buxton ... ..							0.0	
	Scarborough ... ..									Leamington Spa ... ..	o	o	57	36	1	-		
	Skegness ... ..									Malvern ... ..							0.0	
England, E.	Lowestoft ... ..								Wales.	Bath ... ..	o	o	54	44	0.1	-	0.1	
	Felixstowe ... ..	om	c.b.	55	41	0.2	-	1.8		Rhyl ... ..	-	-	58	38	-	-	3.4	
	Southend-on-Sea ... ..	o.c.	b.c.c.o	54	39	-	-	1.8		Colwyn Bay ... ..	*	*	58	43	-	-	0.9	
England, S.E.	Tunbridge Wells	-	-	54	42	1	-	0.0	Wales.	Llandudno ... ..	o.c.d.	o.d.c	57	52	-	0.1		
	Margate ... ..	c	b.c	56	41	-	-	1.5		Aberystwyth ... ..								
	Ramsgate ... ..			54	34	-	-	1.5		Tenby ... ..								
	Folkestone ... ..		o	50	43	-	-	0.0		Swansea ... ..							2.4	
	Hastings ... ..	o.c.	o	53	45	1	b.c.c.	0.0		Weymouth ... ..	o.g.b.c	b.c.b.g	56	46	2	-	2.4	
	England, S.E.	Eastbourne ... ..	-	-	52	45	2	-	0.0	England, S.W.	Teignmouth ... ..	c.b.c	b.c	58	46	1	-	1.0
		Brighton ... ..	o	o	51	38	2	-	0.3		Torquay ... ..	o.b.c	b.c.b	58	45	1	-	0.0
		Worthing ... ..									Paignton ... ..	o	o.c	53	46	1	-	0.1
		Littlehampton ... ..									Penzance ... ..	om.c.ow	om	53	50	1	-	0.0
		Portsmouth (S. Thos.)	-	-	54	37	0.3	-	0.9		Newquay ... ..	om.e	om.e	53	49	1	-	0.0
		Bournemouth ... ..	*	*	55	47	-	-	2.5		Bude ... ..	o	o	54	43	1	-	0.1
		Ventnor (I. of W.)	*	*							Ilfracombe ... ..	o	o	54	43	1	-	
											Weston-s-Mare ... ..	c.c.c	c	53	43	1	-	

STATIONS.	SUMMARIES FOR PAST 24 HOURS.										Sun. Hours.	
	WEATHER.				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL. †				
	7h-12h.	12h-18h.	18h-9h.	9h-7h.				Day, 7h-12h.	Night, 12h-7h.			
Renfrew ...	o.g.d.	o.g.d.	o.g.d.	o.g.d.	53	43	41	4	3	0.0		
Eskdalemuir ...	o.g.d.	o.g.d.	o.g.d.	o.g.d.	51	41	40	2.0	1.6	0.0		
Valencia (Cahire'n) ...	o.g.d.	o.g.d.	o.g.d.	o.g.d.	55	52	51	1	3	0.0		
Baldonnel ...	o.g.d.	o.g.d.	o.g.d.	o.g.d.	55	52	49	1	3	0.0		
Manchester (Alex. Park) ...	o.g.d.	o.g.d.	o.g.d.	o.g.d.	58	52	48	0.1	-	0.0		
Ross on Wye ...	o.g.d.	o.g.d.	o.g.d.	o.g.d.	55	51	47	-	Trace	1.0		
Falmouth ...	o.g.d.	o.g.d.	o.g.d.	o.g.d.	55	52	50	-	-	0.0		
Calshot (Hants) ...	o.g.d.	o.g.d.	o.g.d.	o.g.d.	54	49	47	-	-	1.1		
Lympne (Folkestone) ...	o.g.d.	o.g.d.	o.g.d.	o.g.d.	52	48	46	-	-	0.0		
Aberdeen ...	o.g.d.	o.g.d.	o.g.d.	o.g.d.	54	38	28	-	-	1.6		
Howden ...	o.g.d.	o.g.d.	o.g.d.	o.g.d.	57	52	49	-	-	0.0		
Cranwell (Lincs) ...	o.g.d.	o.g.d.	o.g.d.	o.g.d.	56	50	49	Trace	Trace	0.0		
Felixstowe ...	o.g.d.	o.g.d.	o.g.d.	o.g.d.	56	49	-	-	-	1.5		
Shoeburyness ...	o.g.d.	o.g.d.	o.g.d.	o.g.d.	56	50	48	-	-	1.9		
Benson ...	o.g.d.	o.g.d.	o.g.d.	o.g.d.	56	50	41	-	-	0.0		
S. Farnborough ...	o.g.d.	o.g.d.	o.g.d.	o.g.d.	56	50	46	-	-	0.5		
London (Kew Obs.) ...	o.g.d.	o.g.d.	o.g.d.	o.g.d.	56	51	49	-	-	1.5		
Croydon ...	o.g.d.	o.g.d.	o.g.d.	o.g.d.	57	51	49	Trace	-	0.0		

BEAUFORT NOTATION.	
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.
e	wet air without rain falling.
f	fog.
g	gloom.
h	hail.
i	lightning.
m	mist.
o	overcast sky.
p	passing showers.
q	squalls.
r	rain.
rs	sleet, i.e., rain and snow together.
s	snow.
t	thunder.
u	ugly, threatening sky.
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.

Capital letters indicate intensity, and repetition of letters continuity, thus :-  
R = heavy rain.  
rr = continuous moderate rain.  
r,r = continuous light rain.

THE BEAUFORT SCALE WIND FORCE.		
Used only for surface observations.*		
No.	Limits of Velocity at about 30 feet above ground.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 1
1	1-2	0.9-1.8
2	3-4	1.8-3.7
3	5-10	3.7-7.4
4	11-16	7.4-11.1
5	17-24	11.1-14.8
6	25-31	14.8-17.7
7	32-38	17.7-20.7
8	39-46	20.7-24.4
9	47-54	24.4-28.1
10	55-63	28.1-31.8
11	64-75	31.8-35.5
12	Above 75	35.5 or above

**SYMBOLS-** Solar halo ☉  
Aurora ☀ Rime ☄ Lunar halo ☾  
Glazed frost ❄ Solar corona ☀  
Glazed roads 🌫 Lunar corona ☾  
Line Squall 🌩 Snow lying ❄

## BEAUFORT NOTATION.

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.  
e wet air without rain falling.  
f fog. g gloom.  
h hail. i lightning.  
m mist. o overcast sky.  
p passing showers.  
q squalls. r rain.  
rs sleet, i.e., rain and snow together.  
s snow. t thunder.  
u ugly, threatening sky.  
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.

Capital letters indicate intensity, and repetition of letters continuity, thus:-  
R = heavy rain.  
rr = continuous moderate rain.  
r.f. = continuous light rain.

## THE BEAUFORT SCALE OF WIND FORCE.

Limits of Velocity at about 30 feet above ground.		
No.	Statute miles per hour.	Metres per second.
0	Less than 1	0.3-1.5
1	1-3	1.6-8.3
2	4-7	5.4-8.4
3	8-12	6.5-7.9
4	13-18	8.0-10.7
5	19-24	10.8-13.8
6	25-31	13.9-17.1
7	32-38	17.2-20.7
8	39-46	20.8-24.4
9	47-54	24.5-28.4
10	55-63	28.5-33.8
11	64-75	33.9-38.8
12	Above 75	38.9 or above

**SYMBOLS** - Solar halo ☉  
Aurora ☀ Rime ☄ Lunar halo ☾  
Glazed frost ☁ Solar corona ☀  
Glazed roads ☀ Lunar corona ☾  
Lunar Squall ☾ Snow lying ☄

LONDON OBSERVATIONS.													
Morning.		WEATHER.		Max. Temp. °F.		Min. Temp. °F.		Min. on Grass °F.		Rainfall, †		Sunshine to Sunset.	
		Afternoon.	Night.	°F.	°F.	°F.	°F.	°F.	°F.	mm.	mm.	Hours.	Hours.
24 HOURS ENDED 10 <sup>th</sup> JANUARY 1921.													
Greenwich (Royal Observatory)	o.b.c.	o.b.c.	o.b.c.	55	51	45	-	1.8	82	80			
City (Bunhill Row)													
Westminster (St. James's Park)				57	53	46	-		72	82			
Regents Park (Botanical Obs.)													
Camden Sq. (British Rainfall)				57	47	?	-			83			
Kensington Palace	b.c.o	o		58	52	47	-		86 (18h)	87			
Hampstead Observatory				54	50	44	Trace		85				

## SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 115 Joules.

Average Rate 40 Milliwatts.

Maximum Rate 14

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

10 <sup>th</sup> + 11 <sup>th</sup> JANUARY 1921.			
Stations.	Sunrise.	Noon.	Sunset.
Greenwich	G.M.T. 12.1	G.M.T. 12.1	G.M.T. 3.59
Yarmouth	8.3	12.1	4.11
Greenwich	8.5	12.8	4.12
Wick	8.58	12.20	3.42
Valencia	8.57	12.49	4.50

## Photographic Record of

Pole Star (Polaris) and of 3 Ursae

Minoris at Greenwich Observatory.

Exposure from 17<sup>h</sup> 15<sup>m</sup> to 17<sup>h</sup> 45<sup>m</sup>

Stars.	Duration of Exposure.	Duration of Record.
Ursae	13 45	4 15
3 Ursae Minoris	13 45	2 46

## NOTES ON THE WEATHER OF YESTERDAY.

There was practically no rain in England, but at Eskdale as much as 36mm was reported; at most Scottish and Irish Stations however, the fall was comparatively slight.

Very warm air came up from South of the Azores round an anticyclone off Portugal, and caused some notably high temperatures for the time of year in England, the highest being 58° at Rhyl, Manchester and Colwyn Bay.

There was very little bright sunshine.

\* Information for these columns not usually received.

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



# AIR MINISTRY.

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

BRITISH SECTION.

No. B. 21,500

Tuesday, 11<sup>th</sup> January, 1921

### OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 10H AND 12H.

STATIONS	12H. G.M.T. OF 10 <sup>th</sup>												12H. G.M.T. OF 11 <sup>th</sup>																
	Barom. at M.S.L.		Change in 3 hours		Wind. Direc.	Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Height of Low Cloud Feet	Low Cloud Form	Upper Cloud Form	Sea 0-9	Barom. at M.S.L.		Change in 3 hours		Wind. Direc.	Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Height of Low Cloud Feet	Low Cloud Form	Upper Cloud Form	Sea 0-9	
	mb.	mb.	mb.	mb.											mb.	mb.	mb.	mb.											
Renfrew	997.7	-9	N	1	or 231	36	97	4	4000	St.	10	-	-	-	997.3	+2	WSW	4	b	37	85	7	-	-	-	-	-	-	-
Eskdalemuir	998.7	-3	N	2	omr	40	85	6	10	Nb	10	-	-	-	997.3	+5	N	4	b	37	85	7	-	-	-	-	-	-	-
Valencia (Cahire's)	998.4	-3	SW	6	c	49	72	7	2,000	St. Cu	5	11 St	6	6	1006.6	+13	NNW	4	b	46	75	8	2,000	St. Cu	3	-	-	-	-
Baldonnel	998.4	-3	SW	5	cg	50	75	8	3,000	St. Cu	9	-	-	-	999.1	+10	N	3	b	40	85	7	1,250	St. Cu	3	-	-	-	-
Manchester (Globe)	998.5	-10	SW	8	or 9	53	97	7	750	Nb	10	-	-	-	997.8	-3	SW	6	or 9	49	97	5	2,000	Nb	10	-	-	-	-
Ross on Wye	1001.3	-8	SW	7	or 9	51	92	7	1,250	Nb	10	-	-	-	998.5	-3	NNW	5	0	47	85	8	2,000	St. Cu	9	-	-	-	-
Falmouth	1007.5	-7	SW	8	cg	52	97	6	-	Nb	10	-	-	-	1002.4	-7	SW	8	or 9	51	85	5	-	Nb	10	-	-	-	-
Calshot (Hants)	1008.5	-6	SW	7	cg	52	97	5	750	St.	10	-	-	-	1002.8	-5	SW	7	or 9	50	92	6	750	Nb	10	-	-	-	-
Lympe (Folkestone)	1008.9	-7	SW	8	om 3	51	97	5	4500	Nb	10	-	-	-	1002.5	-7	SW	9	om 9	49	97	3	4500	Nb	10	-	-	-	-
Aberdeen	998.4	-9	SW	1	at	41	75	3	3,000	St. Cu	10	-	-	-	998.8	-1	NNW	2	b 2	37	85	5	-	-	-	-	-	-	-
Howden	998.2	-9	SW	7	or 9	55	75	7	2,000	St. Cu	10	-	-	-	1001.3	0	NNW	2	or 9	45	92	5	2,000	Nb	10	-	-	-	-
Cranwell (Lincs)	998.8	-7	SW	6	0	54	75	8	1,250	St. Cu	10	-	-	-	994.4	-3	SW	4	bc	48	85	6	2,000	St.	4	11 St	2	-	-
Felixstowe	1006.7	-8	SW	6	0	51	97	6	750	Nb	10	-	-	-	1000.3	-7	SW	6	b	50	85	7	1,250	St.	2	-	-	-	-
Shoeburyness	1006.3	-7	NNW	6	cg	54	85	7	3,000	St.	5	4 St	3	3	1000.7	-7	SW	5	b	50	85	6	2,000	Nb	2	-	-	-	-
Benson	1003.7	-9	SW	6	0	54	85	8	-	St.	9	-	-	-	997.4	-4	SW	5	b	49	85	8	-	St.	3	-	-	-	-
S. Farnborough	1003.9	-8	SW	7	or 9	52	92	6	4500	Nb	10	-	-	-	1001.2	-6	SW	7	bc	49	85	7	4500	Nb	4	-	-	-	-
London (New Ob.)	1003.8	-7	SW	6	cg	54	85	6	2,000	St. Cu	9	11 St	1	1	1000.5	-6	SW	4	b	50	85	6	-	-	-	-	-	-	-
Croydon	1007.5	-8	SW	6	or 9	54	85	7	750	St.	10	-	-	-	1004.0	-4	WSW	6	b 1	50	75	7	1,250	St. Cu	3	-	-	-	-
1H. G.M.T. OF 11 <sup>th</sup>																													
Renfrew	998.9	+1	N	5	or	41	85	7	1,250	Nb	7	AS	3	3	997.8	+4	WSW	5	bc 1	40	85	6	2,000	Cum	6	-	-	-	-
Eskdalemuir	998.8	+2	NNW	6	or 9	34	85	4	-	Nb	10	-	-	-	997.9	+2	N	5	b	37	85	6	-	St.	1	-	-	-	-
Valencia (Cahire's)	1001.2	+2	WSW	7	bc	43	-	-	-	-	-	-	-	-	1008.1	-4	SW	3	0	42	85	8	4,200	St. Cu	6	AS	3	-	-
Baldonnel	1002.5	+2	SW	4	bc	39	75	8	-	-	-	-	-	-	1000.4	+2	SW	5	bc	39	85	5	2,000	St. Cu	3	AS	1	-	-
Manchester (Globe)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1004.4	+3	N	6	or 9	43	97	4	1,250	St. Cu	10	-	-	-	-
Ross on Wye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1002.8	+1	SW	2	b	41	75	9	4,200	St.	3	-	-	-	-
Falmouth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1013.4	0	N	3	bc	42	85	7	-	Nb	4	-	-	-	-
Calshot (Hants)	1012.2	+6	NNW	4	b	43	75	7	-	St. Cu	1	-	-	-	1011.2	+2	SW	4	bc	42	85	8	3,000	St. Cu	4	AS	1	3	-
Lympe (Folkestone)	1007.7	+10	N	4	b	45	75	8	-	-	-	-	-	-	1010.2	+4	N	4	bc	36	97	8	1,250	St.	3	St.	2	-	-
Aberdeen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	989.9	+5	NNW	6	bc	40	85	8	-	-	-	-	-	-	-
Howden	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1000.5	+2	NNW	5	bc	41	75	5	3,000	St.	2	-	-	-	-
Cranwell (Lincs)	998.2	+4	N	4	bc	40	85	5	3,000	St.	3	-	-	-	1008.9	+2	WSW	4	b	38	85	7	-	-	AS	1	-	-	-
Felixstowe	1001.1	+5	N	4	b	41	85	5	2,000	St.	3	-	-	-	1008.0	+3	SW	5	b	40	92	7	-	-	St.	2	-	-	-
Shoeburyness	1003.2	+7	NNW	5	b	43	85	7	-	-	-	-	-	-	1008.3	+3	N	4	b	40	75	7	4,200	St. Cu	1	-	-	-	-
Benson	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1008.3	+2	WSW	3	b	37	85	8	-	St. Cu	3	-	-	-	-
S. Farnborough	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1010.1	+2	WSW	3	bc	37	92	7	2,000	St.	2	St.	4	-	-
London (New Ob.)	1004.4	+8	-	-	-	45	-	-	-	-	-	-	-	-	1009.4	+1	SW	4	b	40	85	7	3,000	St.	2	AS	1	-	-
Croydon	1005.2	+7	NNW	5	or 9	45	75	7	2,000	St. Cu	9	-	-	-	1010.0	+2	WSW	5	b 1	40	85	6	-	-	AS	3	-	-	-
STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.																													
STATIONS	12H. G.M.T. OF 10 <sup>th</sup>				7H. G.M.T. OF 11 <sup>th</sup>				24 HOURS ENDED 7H. 11 <sup>th</sup>				10 <sup>th</sup>																
	Barom. at M.S.L.	Temp. °F.	Wind. Direc.	Force 0-12	Barometer at M.S.L.	Change in 3 hours	Temp. °F.	Change in 24 hours	Wind. Direc.	Force 0-12	Weather	Sea 0-9	Max. °F.	Min. °F.	Morning	Afternoon	Night	Sunshine Hours											
Lerwick	982.1	38	N	1	om 1	-1	42	+2	N	2	or 9	6	42	35	bc	om 1	om 1	2											
Stornoway	985.4	37	NNW	2	or 9	+2	39	0	NNW	2	-	1	41	37	cfh	cfh	cfh	2.1											
Castlebay (Barris)	990.2	40	NNW	4	or 9	+2	44	-1	NNW	4	-	2	45	39	c.o. bc	cfh	bc	1.6											
Malin Head	993.0	44	N	4	bc	+1	40	-5	N	5	bc	5	45	38	omr	cfh	cfh	0.7											
Blackod Point	1003.9	44	NN	3	bc	-3	41	-4	N	3	-	4	47	38	omr	bc	bc	0.7											
Roche's Point	1003.4	45	NN	4	bc	-2	42	-11	N	2	-	4	53	41	or 9	cfh	bc	0.7											
Birr Castle	1001.4	39	N	1	bc	-	39	-14	S	1	-	4	53	37	or 9	cfh	bc	1.4											
Donaghadee	995.3	39	N	2	bc	+4	39	-6	N	3	-	3	49	39	omr	omr	bc	0.7											
Liverpool (Bishop)	993.8	41	N	4	r	+1	42	-10	N	7	-	6	55	41	bc	bc	bc	2.8											
Holyhead	996.1	43	N	7	cg	+1	44	-7	N	5	-	5	52	42	or 9	cfh	bc	1.2											
Pembroke (St. Mary's)	998.9	49	NNW	6	cg	0	47	-4	NNW	5	-	5	52	44	om 1	cfh	bc	1.1											
Scilly (St. Mary's)	1002.3	52	N	8	or 9	0	47	-6	N	4	-	5	54	46	om 1	cfh	bc	1.1											
Jersey (St. Aubin)	1010.1	52	SW	7	or 9	+1	46	-7	N	3	-	4	56	46	or 9	cfh	bc	0.1											
Portland Bill	1008.5	51	NNW	8	or 9	+3	49	-3	N	6	-	7	53	45	or 9	cfh	bc	0.1											
Dunegness	1001.8	50	SW	9	or 9	+4	41	-10	NNW	6	-	6	53	41	bc	bc	bc	0.6											
Wick	983.9	34	SW	2	bc	+8	39	+4	NNW	4	-	3	41	32	bc	bc	bc	0.6											
Nairn	985.9	36	N	1	bc	0	38	+1	N	1	-	1	39	34	bc	bc	bc	0.6											
Leith	984.4	37	SW	2	bc	+2	39	-4	SW	2	-	2	44	35	or 9	cfh	bc	0.6											
Tynemouth	989.9	37	NNW	4	om 1	+2	40	-7	N	4	-	3	53	37	om 1	om 1	bc	0.6											
Spurn Head	991.1	47	NNW	6	bc	0	42	-9	N	6	-	5	54	37	or 9	cfh	bc	0.6											
Yarmouth (New Ob.)	997.6	54	NNW	6	bc	+1	39	-13	N	5	-	2	56	39	or 9	cfh	bc	0.6											
Clacton-on-Sea	999.9	49</																											

Information for these columns not usually received.

The barometric change is expressed in half millibars

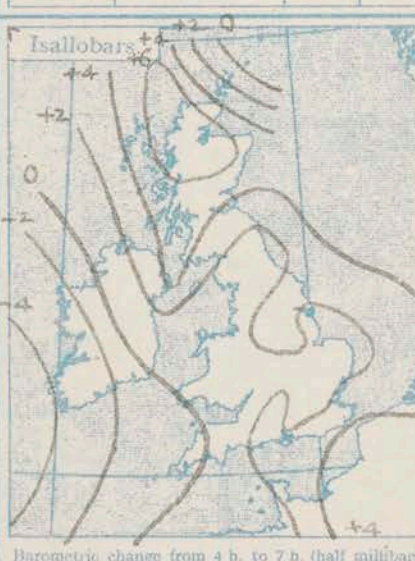
For code see page 3

See footnote p. 4.



Temperature reported from Coastal and  
Cross Channel Steamers.

Position Number	Date	Time G.M.T.	Sea ° F	Air ° F
3	10 <sup>th</sup>	0945	51	53
6	10 <sup>th</sup>	1600	50	52
2	11 <sup>th</sup>	0215	54	41



A new depression is indicated Westward of Ireland. Westerly winds will continue for the next few days with alternating fair and stormy periods and temperature mainly high for the time of year.

**WIND.**—Direction flying with the wind. Force, 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.  
**TEMPERATURE** is given in degrees F.

**WEATHER SYMBOLS.—**

(○)	clear sky.	(☁)	sky is clouded.
(⊖)	sky is cloudy.	(⊕)	sky is clear.
(☉)	overcast sky.	(☔)	rain falling.
(❄)	snow.	(☾)	halt.
(≡)	fog.	(≡)	mist.
T	thunder.	R	showers or rain.
SEA DISTURBANCE.—	High	Low	
Bough			

Further Outlook

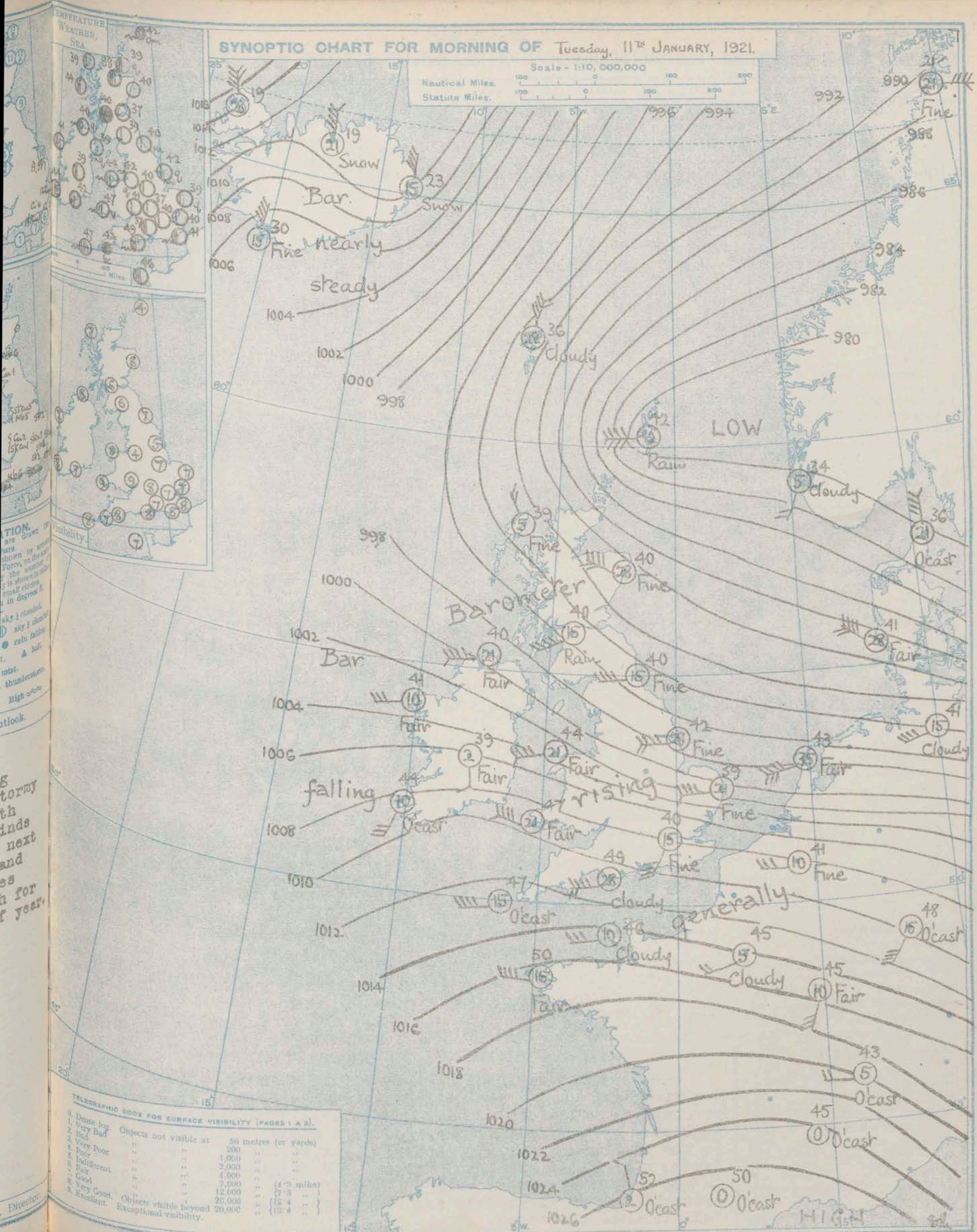
Alternating fair and stormy periods with Westerly winds during the next few days, and temperatures mainly high for the time of year.



SYNOPTIC CHART FOR MORNING OF Tuesday, 11<sup>th</sup> JANUARY, 1921.

Scale - 1:10,000,000

Nautical Miles.  
Statute Miles.



TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2)



# AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1921. No. 11...

Tuesday  
11<sup>th</sup> January

### WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 10<sup>th</sup> Jan.

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		Sunshine.	STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		Sunshine.
	Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 9 <sup>th</sup> 10 <sup>th</sup> 11 <sup>th</sup> .	Day. 9 <sup>th</sup> 10 <sup>th</sup> 11 <sup>th</sup> .	Sunrise to Sunset. 10 <sup>th</sup> .		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 9 <sup>th</sup> 10 <sup>th</sup> 11 <sup>th</sup> .	Day. 9 <sup>th</sup> 10 <sup>th</sup> 11 <sup>th</sup> .	Sunrise to Sunset. 10 <sup>th</sup> .
Scotland.								England, N.W.							
Oban ... ..	cc	cp	42	40	2	1	0.0	Douglas (I.O.M.)							
Banff ... ..	bcc.o	c-bcb	40	36	-	-	0.1	Blackpool ... ..							1.5
Montrose ... ..								Southport ... ..	c.bc.or	bc.ccr	53	48	-	7	0.1
St. Andrews ... ..			42	37	1	4	0.0	Morecambe	-	-	50	45	1	6	
England, E.								Midlands.							
Harrogate ... ..	bccp	ccap	54	42	-	6	0.1	Buxton ... ..							0.2
Scarborough ... ..	b	o	57	45	-	0.4	0.0	Leamington Spa...	o	o	52	50	-	5	
Skewness ... ..	cbo	or.b	56	41	-	1	2.5	Malvern ... ..							0.1
Lowestoft ... ..								Bath ... ..	o	c.or	56	49	-	4	0.9
Felixstowe ... ..	om	op	54	50	-	1	1.2	Rhyl ... ..	bcp	pc	54	50	-	2	0.3
Southend-on-Sea...	ocg	ocpg	54	48	-	1	0.8	Colwyn Bay	-	-	54	48	-	-	0.2
England, S.E.								Wates.							
Tunbridge Wells	cor	orgo	53	48	-	4	0.0	Llandudno ... ..	cc.r	ccr	50	44	-	4	0.0
Margate ... ..	o	org	56	50	-	1	0.0	Aberystwyth		r.co	52	50	-	5	
Ramsgate ... ..			53	45	-	0.4	0.3	Tenby ... ..							
Folkestone ... ..	o	or	51	43	-	1	0.0	Swansea ... ..							
Hastings ... ..	o	or	53	50	0.2	4	0.0	Weymouth ... ..	ccpo	ccpog	54	49	0.2	2	0.0
Eastbourne ... ..	cc	ccro	53	50	-	3	0.0	Teignmouth							0.5
Brighton ... ..	or	or	52	50	-	2	0.0	Torquay ... ..	ccr	rpg	54	52	-	7	0.2
Worthing ... ..	o	rg	52	50	-	2	0.0	Paignton	ccr	ccr	54	50	-	3	0.6
Littlehampton ... ..	cc	r.co	53	49	-	3	0.0	Penzance ... ..	ccr	c.org	54	51	0.1	2	0.6
Portsmouth (S. Isles)	-	-	53	50	-	3	0.0	Newquay ... ..	ccp	bc.op	53	50	0.1	3	0.7
Bournemouth ... ..			53	50	-	5	0.0	Bude ... ..	om	p	56	49	-	2	0.0
Ventnor (I. of W.)								Hfracombe ... ..	op	ccap	54	50	0.4	2	0.5
								Weston-s-Mare	c.r.bc	bc.r.o	55	49	0.3	0.3	

### SUMMARY FOR THE 24 HOURS.

STATIONS.	WEATHER.		TEMP.		RAINFALL.		SUN.	
	7h-10h/10 <sup>th</sup>	10h-11h/10 <sup>th</sup>	Max. Temp. F.	Min. Temp. F.	Day. 10h-11h/10 <sup>th</sup>	Night. 10h-11h/10 <sup>th</sup>	Hours.	Hours.
Renfrew	ccr	ccr	43	36	33	33	0.0	0.0
Eskdalemuir	ccr	ccr	45	33	35	35	0.0	0.0
Valencia (Canary)	ccr	ccr	52	43	40	4	0.7	0.7
Baldonnel	ccr	ccr	53	38	32	5	0.5	0.5
Didsbury	ccr	ccr	56	41	35	2	0.0	0.0
Ross on Wye	ccr	ccr	54	39	30	8	0.3	0.0
Falmouth	ccr	ccr	53	40	35	5	0.3	0.3
Calshot (Hants)	ccr	ccr	53	40	37	2	0.0	0.0
Lympne (Folkestone)	ccr	ccr	52	36	30	3	0.4	0.0
Aberdeen	ccr	ccr	41	36	28	-	0.3	0.0
Howden	ccr	ccr	36	37	32	1	1.9	1.9
Cranwell (Lincs)	ccr	ccr	37	35	1	1	0.6	0.6
Felixstowe	ccr	ccr	54	40	4	1	0.2	1.2
Shoeburyness	ccr	ccr	56	39	36	1	0.4	0.4
Benson	ccr	ccr	55	37	30	3	2	2
S. Farnborough	ccr	ccr	54	37	33	4	1	0.0
London (Kew Obs.)	ccr	ccr	55	40	35	4	Trace	0.0
Croydon	ccr	ccr	56	39	36	2	3	3

### BEAUFORT NOTATION.

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.  
e wet air without rain falling.  
f fog.  
g gloom.  
h hail.  
i lightning.  
m mist.  
o overcast sky.  
p passing showers.  
q squalls.  
r rain.  
rs sleet, i.e., rain and snow together.  
s snow.  
t thunder.  
u ugly, threatening sky.  
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.

### THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity at about 25 feet above ground.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.5
1	1-3	0.5-1.5
2	4-7	1.5-3.5
3	8-15	3.5-7.5
4	16-25	7.5-10.5
5	26-31	10.5-13.5
6	32-37	13.5-16.5
7	38-46	16.5-20.5
8	47-54	20.5-24.5
9	55-63	24.5-28.5
10	64-72	28.5-32.5
11	73-87	32.5-39.5
12	Above 88	39.5 or above

### SYMBOLS.

Aurora  $\Delta$  Prime  $\Sigma$  Lunar halo  $\odot$   
Glazed frost  $\rightarrow$  Solar corona  $\odot$   
Glazed roads  $\rightarrow$  Lunar corona  $\odot$   
Line Squall  $\rightarrow$  Snow lying  $\rightarrow$

### LONDON OBSERVATIONS.

	WEATHER.		TEMP.		RAINFALL.		SUN.	
	Morning.	Afternoon.	Max. Temp. F.	Min. Temp. F.	Min. on Grass. F.	Min. on Water. F.	Hours.	Hours.
Greenwich (Royal Observatory)	o	ap	55	39	32	4	0.3	86
City (Punhill Row)							0.0	
Westminster (St. James's Park)			56	39	33	5	0.0	85
Regent's Pk. (Botanical Gdns)							0.0	
Canon Sq. (British Museum)	bc.o	or.b	55	38	33	5	0.0	85
Kensington Palace	o	or.b	55	39	35	7	0.0	84
Hampstead Observatory			53	37	33	5	0.0	85

### SOUTH KENSINGTON (Meteorological Office).

	TEMP.		RAINFALL.		SUN.	
	Max. Temp. F.	Min. Temp. F.	Day. 10h-11h/10 <sup>th</sup>	Night. 10h-11h/10 <sup>th</sup>	Hours.	Hours.
Vertical Component of Solar Radiation per Square Centimetre during yesterday.						
Total	111					
Average Rate.	3.8					
Maximum Rate.	9					

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

Stations.	11 <sup>th</sup> & 12 <sup>th</sup> January, 1921.	
	Sunrise	Sunset
Greenwich	8.2	4.1
Wick	8.57	4.51
Valencia	8.47	4.52

### Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minoris at Greenwich Observatory.

Exposure from 11.15 a.m. to 11.25 a.m.

Stars.	Duration of Exposure.		Duration of Record.		%
	h.	m.	h.	m.	
Polaris	13	45	9	13	67
8 Ursae Minoris	13	45	8	45	64

### NOTES ON THE WEATHER OF YESTERDAY.

A very decided fall of temperature occurred in England and Ireland, the 7 a.m. readings showing a decrease of as much as 15° at some stations. This change appears in some cases to have been initiated by a line squall which swept across S.E. England late in the afternoon. Stormy weather prevailed during Monday in the South, with gales along the Channel and Belgian and Dutch coasts in the afternoon. Considerable falls of rain occurred nearly everywhere, 27mm at Eskdale and 24 at Donaghadee. Hail showers fell in most districts.

\* Information for these columns not usually received.

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





## AIR MINISTRY.

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

BRITISH SECTION.

No. B.21.601.

Wednesday, 12<sup>th</sup> January, 1921.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 12H.																								
STATIONS.	Barom. at M.S.L. mb.	Change in 3 hours.	WIND. Direc. Force 0-12.	Weather.	Temp. °F.	Humidity. %	Visibility. 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea. 0-9.	Barom. at M.S.L. mb.	Change in 3 hours.	WIND. Direc. Force 0-12.	Weather.	Temp. °F.	Humidity. %	Visibility. 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea. 0-9.		
12H. G.M.T. 11 <sup>th</sup>												12H. G.M.T. OF 11 <sup>th</sup>												
Renfrew ...	999.3	0	WSW	4	C	43	75	8	2000	Sc	3	997.3	-3	W	1	OF	40	85	5	2000	Sc	10	-	-
Esksdalemuir ...	1000.4	+2	WSW	3	0	39	85	7	-	Sc	2	997.4	-5	W	1	OF	36	92	6	-	Sc	10	-	-
Valencia (Cahire's) ...	1000.7	-6	SW	4	OF	50	85	7	3000	Sc	4	999.7	0	WSW	5	C	48	75	7	2000	Sc	8	-	5
Baldonnel ...	1003.8	-5	SW	3	OF	41	85	5	2000	Sc	10	996.6	-5	WSW	3	C	43	92	5	3000	Sc	7	-	-
Monchessie (Cahire's) ...	1004.9	-1	WSW	4	OF	45	75	4	2000	Sc	2	999.3	-9	S	4	OF	42	92	4	2000	Nb	10	-	-
Ross on Wye ...	1007.8	-3	W	2	0	46	75	4	2000	Sc	4	1001.0	-9	SSW	3	OF	45	85	7	1250	Nb	10	-	-
Falmouth ...	1010.0	-6	SW	4	0	49	85	7	-	Sc	6	1002.9	-8	SW	7	OF	49	92	4	-	Nb	10	-	-
Caishot (Hants) ...	1010.3	-3	SW	4	bc	48	75	8	3000	Sc	2	1005.7	-6	SW	5	OF	47	92	7	2000	Sc	10	-	4
Lymington (Folkestone) ...	1010.2	-1	WSW	4	bc	46	75	8	3000	Sc	2	1007.3	-3	SW	4	0	44	85	8	2000	Sc	10	-	-
Aberdeen ...	995.6	+5	NNW	4	C	42	75	8	3000	Sc	8	996.6	0	W	2	bfc	37	85	7	3000	Sc	1	-	3
Howden ...	1002.0	+1	W	5	Cg	44	75	7	2000	Sc	6	1000.2	-5	SSW	3	OF	42	85	7	2000	Nb	10	-	-
Cranwell (Glouce) ...	1005.9	0	WSW	4	bc	44	75	7	3000	Sc	4	1002.7	-4	SSW	3	OF	42	85	5	3000	Nb	7	AS	3
Felixstowe ...	1009.1	-1	WSW	4	bc	45	75	7	-	Sc	6	1006.9	-4	SSW	4	OF	45	85	6	9000	-	AS	10	3
Shoeburyness ...	1009.1	W	S	3	bc	47	85	6	2000	Sc	1	1008.0	-4	SW	3	OF	45	75	3	3000	Sc	4	AS	5
Benson ...	1008.0	-2	WSW	4	bc	46	75	7	-	Sc	3	1004.0	-6	SSW	3	0	45	85	7	-	Sc	10	-	-
S. Farnborough ...	1009.7	-1	WSW	4	0	46	75	8	1250	Sc	10	1005.2	-6	SW	5	OF	45	92	7	1250	Nb	5	AS	5
London (Kew Obs.) ...	1009.3	-3	SW	4	OF	46	75	6	3000	Sc	6	1005.1	-6	SSW	4	OF	46	85	5	-	AS	10	-	-
Croydon ...	1010.4	-2	WSW	4	OF	46	75	7	3000	Sc	6	1006.4	-5	SSW	4	OF	45	85	7	2000	Sc	8	AS	2
1H. G.M.T. OF 12 <sup>th</sup>												7H. G.M.T. OF 12 <sup>th</sup>												
Renfrew ...	994.4	-1	E	1	bc	37	85	5	1250	Nb	10	993.4	-1	NE	4	OF	36	92	4	-	Sc	10	-	-
Esksdalemuir ...	994.2	-2	NE	1	bc	33	97	5	-	Nb	10	993.8	-1	NE	1	OF	33	97	5	-	Nb	10	-	-
Valencia (Cahire's) ...	993.9	-5	SSW	2	bc	47	-	-	-	-	-	996.3	-8	ENE	2	0	42	92	8	3000	Sc	10	-	-
Baldonnel ...	995.3	-1	S	6	bq	41	85	6	3000	Sc	1	999.6	-7	-	0	OF	42	85	5	1250	Sc	10	-	-
Monchessie (Cahire's) ...	-	-	-	-	-	-	-	-	-	-	-	994.8	-2	S	3	bcm	39	85	4	-	-	AS	3	-
Ross on Wye ...	-	-	-	-	-	-	-	-	-	-	-	995.8	-3	SW	3	0	45	85	7	2000	Sc	8	AS	2
Falmouth ...	1001.4	-3	SW	3	0	48	92	6	-	Sc	9	994.2	-9	SSW	6	Cg	50	85	7	-	Sc	7	-	-
Caishot (Hants) ...	1000.6	-3	SW	3	0	46	92	8	2000	Sc	10	999.0	-3	S	3	OF	47	97	7	2000	Sc	10	-	2
Lymington (Folkestone) ...	999.6	-5	SW	5	OF	47	97	5	750	Nb	10	1000.2	0	W	1	bc	39	97	8	3000	Sc	3	Sc	2
Aberdeen ...	-	-	-	-	-	-	-	-	-	-	-	996.3	+1	NNW	3	OF	36	97	5	2000	Nb	10	-	3
Howden ...	994.9	+2	W	2	bfc	35	97	4	3000	Sc	4	995.8	0	-	0	bfc	37	97	5	5700	Sc	1	AS	2
Cranwell (Glouce) ...	996.3	0	WSW	2	b	42	92	6	-	-	-	997.3	0	SW	2	0	38	97	5	4200	Sc	9	-	-
Felixstowe ...	999.1	-7	SSW	3	OF	46	97	6	2000	Sc	10	1000.1	+1	SW	2	bfc	41	97	6	-	-	AS	4	1
Shoeburyness ...	-	-	-	-	-	-	-	-	-	-	-	999.5	0	SW	1	bfc	42	85	6	-	-	AS	2	-
Benson ...	-	-	-	-	-	-	-	-	-	-	-	997.2	-1	SW	2	0	42	97	6	-	Sc	9	-	-
S. Farnborough ...	-	-	-	-	-	-	-	-	-	-	-	998.9	-1	S	2	C	41	97	5	2000	Sc	4	AS	4
London (Kew Obs.) ...	998.9	-3	-	-	-	-	-	-	-	-	-	999.1	-1	SW	2	C	42	92	5	3000	Sc	4	AS	4
Croydon ...	1000.0	-4	WSW	3	OF	47	85	7	1250	Nb	8	1000.2	-1	SSW	3	Cg	41	97	5	4200	Sc	4	AS	3
STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.																								
STATIONS.	Barom. at M.S.L. mb.	Temp. °F.	WIND. Direc. Force 0-12.	Weather.	Barometer. M.S.L. mb.	Change in 3 hours.	Temperature. °F.	Change in 2 hours.	WIND. Direc. Force 0-12.	Dirac. of Upper Cloud.	Weather.	Sea. 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Morning Weather.	Afternoon Weather.	Night Weather.	Sunshine Hours.					
12H. G.M.T. of 11 <sup>th</sup>					7H. G.M.T. of 12 <sup>th</sup>					24 HOURS ENDED 7H. 12 <sup>th</sup>														
Lerwick ...	993.0	39	NNW	5	omfg	998.0	+2	30	-12	NNW	4	-	oms	3	2	42	28	omfg	omfg	omsp, bc	-			
Stornoway ...	996.1	38	W	2	0	996.7	+1	37	-2	!	4	-	bc	3	3	39	33	bc, 0	o.c. 0	o.b.c	0.0			
Castlebay (Barra) ...	994.8	42	ENE	2	bc	993.1	0	39	-5	ENE	4	-	bc	4	3	45	37	bc, bc	bc	bc, bc	2.8			
Malin Head ...	994.4	39	SW	3	OF	986.2	0	41	+1	ESE	3	-	om	2	16	44	35	cp	0	omr	0.2			
Blackod Point ...	990.5	45	W	5	Cg	988.9	-5	43	+2	-	0	-	C	1	4	46	40	bc	bc, bc	bc, c	-			
Ricche's Point ...	1000.0	48	W	2	6	986.8	-10	46	+4	WSW	3	-	OF	4	17	50	42	orm	r.c.p. 6	b, at	-			
Birr Castle ...	997.0	42	SW	2	C	988.3	-	42	+3	NE	1	-	r	-	8	44	37	OF	OF	c, OF	0.0			
Donaghadee ...	997.9	39	SW	2	omr	992.2	-1	41	+2	SW	2	-	bcm	2	4	42	37	bcm	cm, omr	bcm	-			
Liverpool (Laidston) ...	997.8	41	SE	1	r	994.1	-2	40	-2	SE	3	S	0	3	4	46	38	bc	OF	OF	2.6			
Holyhead ...	996.1	45	SSW	4	OF	991.4	-5	47	+3	S	5	-	ag	3	13	47	41	bc, 0	o.orm	c.b. bc, bc	0.0			
Pembroke (St. Ann's) ...	999.8	49	SW	6	OF	992.2	-8	47	0	S	2	-	OF	4	7	49	45	cp	OF	OF	0.0			
Jersey (St. Mary's) ...	1004.2	47	W	5	R23f	992.4	-10	50	+3	SSW	4	-	OF	6	8	50	47	c, om	orm	oc, bc, bc, om	0.0			
Portland Bill ...	1010.4	49	SW	4	OF	1000.6	-1	48	+2	SW	4	-	0	4	5	50	44	OF	OF	OF	0.3			
Dunegess ...	1004.7	47	WSW	7	OF	997.7	-4	48	-1	WSW	6	SW	OF	7	7	51	45	c, bc	bc, OF	OF	-			
Wick ...	1007.6	47	WSW	5	C	1000.2	+1	45	+4	WSW	2	-	b	3	3	50	41	c, bc	bc, OF	OF	-			
Nairn ...	995.1	38	NW	2	bc	996.4	+1	34	-5	N	2	-	bc	2	3	40	33	OF	OF	bc, bc	1.1			
Leith ...	995.9	36	-	0	bc	995.6	0	33	-5	-	0	-	OF	1	2	41	32	OF	OF	OF	-			
Spurn Head ...	998.5	41	NNW	1	omfg	995.3	0	34	-6	-	0	-	b, f	2	5	43	33	bcm	om	omr, bf	-			
Yarmouth ...	1000.6	44	W	3	0	995.7	+1	38	-4	W	3	-	cm	3	5	44	35	bc	bc, om	OF, bc	-			
Clacton-on-Sea ...	1005.0	42	SW	4	C	998.2	+1	39	0	WSW	2	-	b	1	5	46	39	bc, bc	OF	OF	5.3			
Nottingham ...	1001.0	43	SW	3	OF	999.0	+1	41	+1	W	2	-	b	2	2	46	39	bc	OF	OF	2.8			

Information for these columns not usually received.

The barometric change is expressed in half millibars.

For code see page 2



**EXPLANATION.**  
SASOMETER.—Isobars are drawn at intervals of two millibars.  
WIND.—Direction is shown by an arrow. Velocity is indicated by the number of feathers. Most velocity is shown in per hour by figures in small circles.  
TEMPERATURE.—Temperature is given in degrees.  
WEATHER SYMBOLS.—  
☉ sky; clear sky. ☁ sky; cloudy.  
☁☁ overcast sky. ☁☁☁ mist.  
✱ snow. ☁☁☁☁ rain.  
☁☁☁☁☁ fog. ☁☁☁☁☁ thunder.  
☁☁☁☁☁☁ T. thunder.  
SEA DISTURBANCE.—High—  
Bough—

A complex depression over Ireland is likely to move Eastward. Unsettled weather will continue general, with a lower temperature. Rain in most places will probably be followed by showers of hail, sleet or snow.

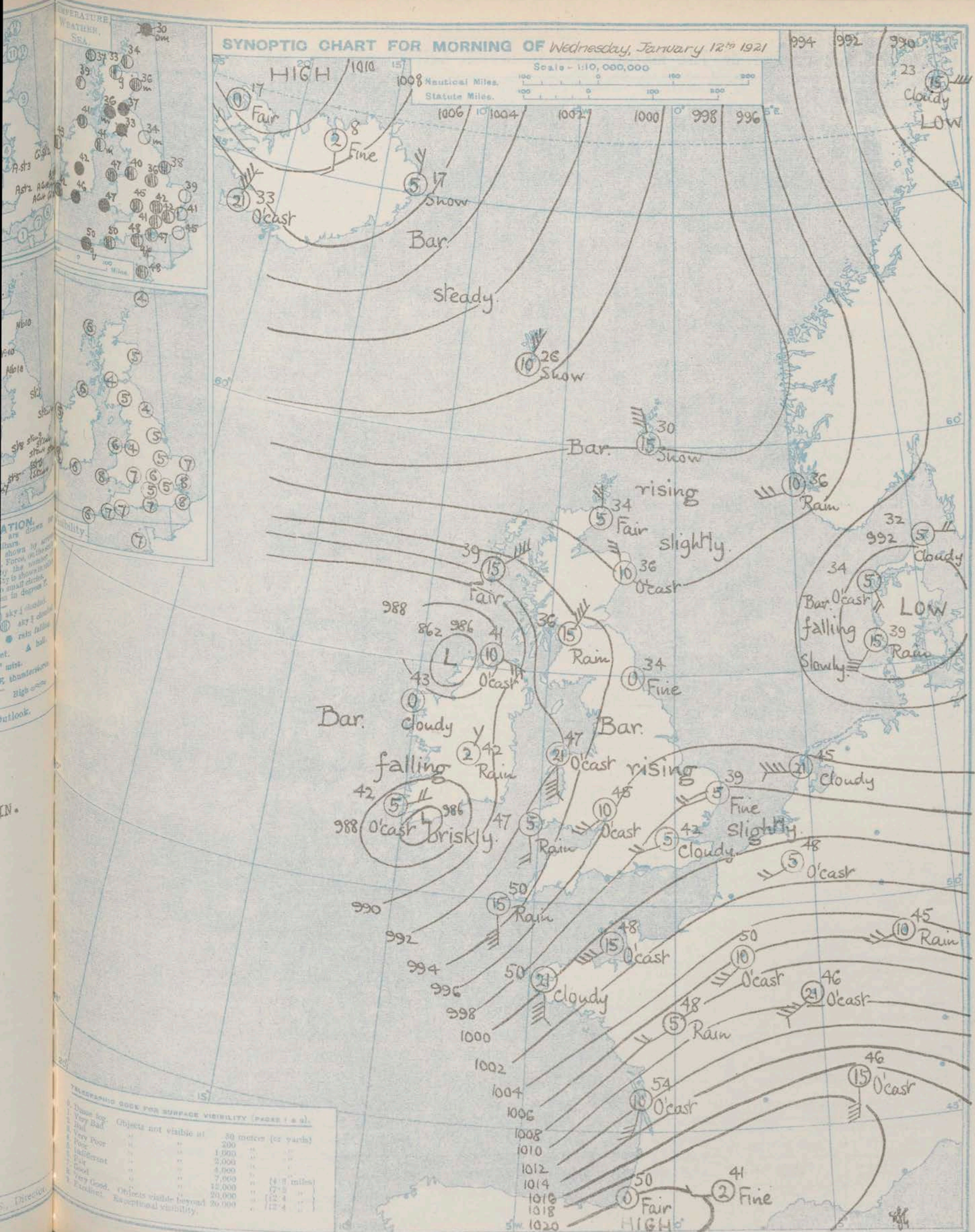
Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Wednesday 12th January 1921.	Further
1. S.E. England	Wind South and South-West, increasing in force; some rain, rather mild. Winds becoming variable or North-Westerly later, with showers of rain, hail or sleet and a lower temperature. Visibility mainly fair.	UNCERTAIN.
2. E. England		
3. E. Midlands		
4. W. Midlands		
5. S.W. England	Wind SW veering to W or NW, strong or a gale, squally, rain, then hail or sleet showers. Temperature falling. Visibility indifferent to fair or good.	
6. South Wales		
7. North Wales		
8. N.W. England	Wind mainly between South-East and North-East, force variable; much cloud, some rain, hail sleet or snow. Visibility mainly fair. Cold.	
9. N. Midlands		
10. N.E. England		
11. E. Scotland		
12. S.W. Scotland		
13. Isle of Man	Wind East or North-East, increasing; much cloud, snow, sleet or rain. Visibility indifferent to fair. Cold	
14. N. & N.W. Scotland		
15. Hebrides		
16. Orkneys and Shetlands		
17. N.W. Ireland	Wind becoming North-West or North, increasing; showers of rain, hail or sleet, fair intervals. Visibility mainly fair. Rather cold.	
18. N.E. Ireland		
19. S.E. Ireland		
20. S.W. Ireland		



# SYNOPTIC CHART FOR MORNING OF Wednesday, January 12<sup>th</sup> 1921

Scale - 1:10,000,000

Nautical Miles.  
Statute Miles.





# AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1921. No. 12.

Wednesday  
12<sup>th</sup> January

### WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 11<sup>th</sup> Jan.

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		Sunrise to Sunset. 11 <sup>h</sup> .	STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		Sunrise to Sunset. 11 <sup>h</sup> .
	Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 10 <sup>h</sup> -11 <sup>h</sup> .	Day. 11 <sup>h</sup> -12 <sup>h</sup> .			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 10 <sup>h</sup> -11 <sup>h</sup> .	Day. 11 <sup>h</sup> -12 <sup>h</sup> .	
Oban ... ..	c.bc	bc	45	38	5	-	1.2	Douglas (I.O.M.)							1.2
Banff ... ..	p.c	bcp	40	35	5	2	2.5	Blackpool ... ..	c.or		45	41	-	1	0.0
Montrose ... ..								Southport ... ..	b.b.c.o	or	45	41	1	3	
St. Andrews ... ..								Morecambe.							
Harrogate ... ..	b.bc b	b.c	45	35	2	-	2.6	Buxton ... ..							4.0
Scarborough ... ..	b	bc	47	38	-	-	3.3	Leamington Spa...	b	bc	47	37	1	-	
Skegness ... ..	b	bc	56	38	-	-	4.6	Malvern ... ..							5.4
Lowestoft ... ..								Bath ... ..	b.b.c	c.or	47	40	2	1	0.2
Felixstowe ... ..	b.c	bc	46	43	3	-	3.4	Rhyl ... ..	c	cp	47	41	1	1	0.2
Southend-on-Sea...	b.b.c	b.c.o	54	38	1	-	4.1	Colwyn Bay ... ..	-	-	47	41	2	4	0.1
								Llandudno ... ..	c.o	or	46	41	1	3	0.0
								Aberystwyth ... ..	c.o.c	c.r.r	48	43	1	1	
Tunbridge Wells ... ..	b	b.b.c.o	48	36	1	-	4.2	Tenby ... ..							
Margate ... ..	b	b.b.c.c	49	38	1	-	4.4	Swansea ... ..							3.7
Ramsgate ... ..	*	*	48	37	4	-	4.3	Weymouth ... ..	b.b.c.o	op.od	52	42	3	1	2.4
Folkestone ... ..	c	c.o.v	49	38	8	-	4.1	Teignmouth ... ..							2.6
Hastings ... ..								Torquay ... ..	b.c.b	rp	50	41	11	3	0.1
Eastbourne ... ..	bc	c.o.r.o	49	42	14	1	4.3	Paignton ... ..	b.b.c	or.prg	50	40	8	2	0.4
Brighton ... ..	b.c.b	b.c.o	49	42	10	-	4.4	Penzance ... ..	c.o	ofa	50	41	1	1	1.1
Worthing ... ..	b.b.c	c.o	50	40	5	-	4.3	Newquay ... ..	b.c.v.op	cd.rm	49	45	3	1	0.7
Littlehampton ... ..	bc	b.c.or	49	40	4	0.3	3.9	Bude ... ..	o.c.b.c	p	50	45	1	2	1.1
Portsmouth (S. Isaac)	-	-	50	42	1	-	3.7	Ilfracombe ... ..	b.c.c	or	49	45	2	1	
Bournemouth ... ..	*	*	54	40	1	1	3.0	Weston-s-Mare ... ..	b.c.p.b.c	cr	52	43	2	1	
Ventnor (I. of W.)	*	*													

### SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. F.	Min. Temp. F.	Min. on Grass F.	RAINFALL †		Sun. Hours.
	7h-12h.	12h-18h.	18h-24h.	24h-7h.				Day. 7h-12h.	Night. 12h-18h.	
Renfrew ...	b.c.p.c	c.o.c.f	R.R.b.c.b	o.f.r.o	43	36	3.4	1	5	2.0
Eskdalemuir ...	b.c.c.f	p.c.c.f	b.b.c.c	r.f.o	40	32	3.2	1	4.5	2.2
Valencia (Cabrera) ...	p.c	p.c.o	b.b.c.c	r.f.o	50	42	5.0	7	13	0.0
Baldonnel ...	c.o.r.o	o.f.r	b.b.c.c	b.c.o	43	30	-	4	0.1	0.0
Manchester (Glace Park) ...	b.c.c.c	c.f.r.r	r.o.f.c	r.o.f.c	47	36	2.7	2	4	8
Ross on Wye ...	b.b.c.c	c.f.c.o	r.o.c.c	c.o	47	41	3.4	0.3	1	2.3
Falmouth ...	b.b.c.c	o.f.r	c.o	c.o	50	40	4.1	3	3	0.0
Calshot (Hants) ...	b.b.c.c	o.f.r	c.o	c.o	50	42	4.0	0.2	4	3.8
Lymington (Folkestone) ...	b.b.c.c	b.c.c.o	o.f.r	r.o.f.c	48	35	3.4	Trace	3	4.1
Aberdeen ...	b.b.c.c	b.c.c.f	l.f.x	p.f.c.o	42	33	2.7	-	Trace	4.6
Howden ...	b.c.c	o	o.f	o.f.w	41	31	2.5	1	10	4.5
Cranwell (Lincs) ...	b.b.c.c	b.c.c.c	b.b.c	b.b.c	35	37	3.5	Trace	3	4.6
Felixstowe ...	b.b.c	b.c.c.f	r.o.f	b.c.c	47	40	3.3	-	2	3.3
Shoeburyness ...	b.b.c	p.c.o	o.f.r	r.f.e	48	39	3.6	0.1	4	4.0
Benson ...	b.b.c	o	o.f	c.o	47	37	3.2	-	2	8
S. Farnborough ...	b.c.c.o	o.f	r.f.o	c.o	48	35	3.0	Trace	5	3.9
London (New Obay) ...	b.b.c.c	c.o.f	r.f.p	c.o	48	40	3.6	-	4	3.2
Croydon ...	b.b.c.c	o.f.c.p	o.f.r	o.f.c	49	39	3.7	-	4	8

### BEAUFORT NOTATION.

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.  
e wet air without rain falling.  
f fog.  
g gloom.  
h hail.  
i lightning.  
m mist.  
o overcast sky.  
p passing showers.  
q squalls.  
r rain.  
rs sleet, i.e., rain and snow together.  
s snow.  
t thunder.  
u ugly, threatening sky.  
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.  
Capital letters indicate intensity, and repetition of letters continuity, thus: R = heavy rain.  
rr = continuous moderate rain.  
r.f. = continuous light rain.

### THE BEAUFORT SCALE OF WIND FORCE.

Used only for surface observations.		
Limits of Velocity at about 30 feet above ground.		
No.	Statute miles per hour.	Meters per second.
0	Less than 1	Less than 0.3
1	1-5	0.3-1.4
2	6-10	1.5-2.8
3	11-16	2.9-3.7
4	17-21	4.0-4.8
5	22-26	5.0-5.8
6	27-31	6.0-6.8
7	32-36	7.0-7.8
8	37-41	8.0-8.8
9	42-46	9.0-9.8
10	47-51	10.0-10.8
11	52-56	11.0-11.8
12	57-61	12.0-12.8
	Above 62	13.0 or above

### SYMBOLS—

Solar halo ☉  
Aurora & Rime ☄ Lunar halo ☾  
Glazed frost ~ Solar corona ☼  
Glazed roads ~ Lunar corona ☾  
Line Squall ⚡ Snow lying ❄

### LONDON OBSERVATIONS.

	WEATHER.			24 HOURS ENDED 11 <sup>th</sup> G.M.T.	12 <sup>th</sup>			RAIN.	TEMPERATURE.		WIND.	MOON.	HOURS OF SUNSHINE.
	MORNING.	AFTERNOON.	NIGHT.		12 <sup>th</sup> G.M.T.	9 <sup>th</sup> G.M.T.	YESTERDAY.		TO-DAY.				
Greenwich (Royal Observatory)	b	o.c.b bc	b.c.f. bc	49	39	32	4	4.1	75	94			
City (Banhill Row) ...	*	*	*	*	*	*	*	1.8	*	*			
Westminster (St. James's Park)	*	*	*	*	*	*	*	*	*	*			
Regents Pk. (Botanical Garden)	*	*	*	*	*	*	*	2.8	2	*			
Camden Sq. (British Museum)	b	o.f	*	48	40	34	5	*	79	94			
Kensington Palace ...	bc	*	*	49	40	34	5	*	78 (18h)	90			
Hampstead Observatory ...	*	*	*	46	38	34	3	2.8	*	93			

### SOUTH KENSINGTON (Meteorological Office).

Vertical Component * of Solar Radiation per Square Centimetre during yesterday.	
Total	185 Joules.
Average Rate	6.4 Milliwatts.
Maximum Rate	20

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

12 <sup>th</sup> 1921			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.1	12.1	4.1
Greenwich ...	8.3	12.3	4.3
Wick ...	8.56	12.56	4.56
Valencia ...	8.47	12.50	4.50

### Photographic Record of Pole Star (Polaris) and of 8 Ursae Minoris at Greenwich Observatory.

Exposure from 12 <sup>h</sup> to 1 <sup>h</sup> 15 <sup>m</sup> to 1 <sup>h</sup> 45 <sup>m</sup>			
Steps.	Duration of Exposure.	Duration of Record.	%
Polaris	13-45	3-55	29
8 Ursae Minoris	13-45	3-43	27

### NOTES ON THE WEATHER OF YESTERDAY.

Temperature rose to 50° or above in some parts of England, but remained below that value generally. Rain fell in all districts, the amount being rather heavy in the West; 2.0 inches at Valencia. Bright sunshine records were high except in some Western and North-Western stations.

Information for these columns not usually received.

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



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

BRITISH SECTION.

No. B. 21,602

...THURSDAY, 13<sup>TH</sup> JANUARY, 1921

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.																																												
STATIONS.	BAROM. at M.S.L.	Change in 3 hours.	WIND. Dir.	Force 0-12.	Weather.	TEMP. °F.	Humidity. %	Visibility. 0-9.	Height of Low Cloud. Feet.	Low Cloud.				Upper Cloud.				Sea	BAROM. at M.S.L.	Change in 3 hours.	WIND. Dir.	Force 0-12.	Weather.	TEMP. °F.	Humidity. %	Visibility. 0-9.	Height of Low Cloud. Feet.	Low Cloud.				Upper Cloud.				Sea								
										Form.	Amt. 0-10.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	Form.	Amt. 0-10.											Form.	Amt. 0-10.															
13H. G.M.T. OF 12 <sup>h</sup>																																												
Renfrew	992.2	-2	NE	4	o2f	38	92	4	750	St	10	-	-	-	991.3	+1	NE	6	o2f	37	85	5	1,250	Nb	10	-	-	-	990.2	+2	NNW	2	c	43	75	8	3,000	Stcu	7	-	-	-	4	
Eska Dalemuir	991.4	-3	NE	2	o1f	34	92	6	-	St	10	-	-	-	988.4	-3	NE	5	o2f	34	97	4	-	Nb	10	-	-	-	986.1	+5	WNW	3	o2f	40	92	4	4,500	St	10	-	-	-	*	
Valencia (Cahire's)	989.1	+4	NNW	2	c	45	85	8	2,000	Stcu	7	-	-	-	990.2	+2	NNW	2	c	43	75	8	3,000	Stcu	7	-	-	-	986.1	+5	WNW	3	o2f	40	92	4	4,500	St	10	-	-	-	*	
Baldonnel	985.8	-6	NNE	1	o2f	42	97	4	750	Nb	10	-	-	-	986.1	+5	WNW	3	o2f	40	92	4	4,500	St	10	-	-	-	986.1	+5	WNW	3	o2f	40	92	4	4,500	St	10	-	-	-	*	
Manchester (Alex. Pk.)	989.0	-8	SE	4	o2f	43	92	4	1,250	Nb	10	-	-	-	988.9	-2	SSW	4	o2f	43	92	4	2,000	Nb	8	AS	2	-	988.9	-2	SSW	4	o2f	43	92	4	2,000	Nb	8	AS	2	-	x	
Ross on Wye	988.6	-7	SSW	3	c	45	85	8	3,000	cuNb	7	ci	1	-	988.2	0	W	6	o2f	46	75	8	2,000	Nb	9	-	-	-	988.2	0	W	6	o2f	46	75	8	2,000	Nb	9	-	-	-	*	
Falmouth	991.4	-1	SW	6	bc	48	75	8	-	Stcu	3	ci	2	-	992.0	+1	SW	4	o2f	47	85	6	-	cuNb	7	-	-	-	992.0	+1	SW	4	o2f	47	85	6	-	cuNb	7	-	-	-	*	
Calshot (Hants)	993.0	-7	SSW	6	o1f	48	85	7	1,250	Nb	9	-	-	-	992.8	+1	SSW	5	bc	49	85	7	2,000	Stcu	5	-	-	-	992.8	+1	SSW	5	bc	49	85	7	2,000	Stcu	5	-	-	-	3	
Lympe (Folkestone)	996.0	-8	S	4	o1f	47	92	6	750	St	10	-	-	-	993.5	-1	SW	6	bc	46	85	8	4,500	St	3	-	-	-	993.5	-1	SW	6	bc	46	85	8	4,500	St	3	-	-	-	*	
Aberdeen	996.8	+1	ENE	5	o2f	37	85	8	2,000	Nb	10	-	-	-	996.4	0	ENE	5	o1f	37	75	7	2,000	Nb	10	-	-	-	996.4	0	ENE	5	o1f	37	75	7	2,000	Nb	10	-	-	-	4	
Howden	991.3	-7	SE	4	o2f	40	97	4	1,250	Nb	10	-	-	-	985.0	-2	SSW	4	bc	42	92	4	3,000	St	2	AS	2	-	985.0	-2	SSW	4	bc	42	92	4	3,000	St	2	AS	2	-	*	
Cranwell (Lines)	992.6	-6	SE	2	o2f	41	97	4	1,250	Nb	10	-	-	-	987.1	-2	SSW	4	bc	43	92	5	2,000	Nb	5	-	-	-	987.1	-2	SSW	4	bc	43	92	5	2,000	Nb	5	-	-	-	x	
Felixstowe	992.2	-6	SSE	4	o2f	45	97	6	1,250	Nb	6	AS	4	2	992.4	-2	SSW	4	b	46	85	7	-	-	-	-	-	-	992.4	-2	SSW	4	b	46	85	7	-	-	-	-	*			
Shoeburyness	995.4	-5	SSE	1	o2f	48	85	8	3,000	Stcu	5	AS	3	-	991.7	-2	WSW	3	b	47	75	7	-	-	-	-	-	-	991.7	-2	WSW	3	b	47	75	7	-	-	-	-	-	*		
Benson	990.8	-8	S	5	o2f	47	92	5	-	Nb	10	-	-	-	990.2	0	SW	3	bc	45	75	7	-	cu	5	-	-	-	990.2	0	SW	3	bc	45	75	7	-	cu	5	-	-	-	*	
S. Farnborough	992.5	-6	S	4	o2f	47	92	5	750	Nb	10	-	-	-	991.7	+1	SW	6	bc	45	85	7	1,250	cuNb	1	-	-	-	991.7	+1	SW	6	bc	45	85	7	1,250	cuNb	1	-	-	-	*	
London (Kew Obs.)	993.0	-9	SSE	3	o2f	49	85	5	2,000	Stcu	9	AS	1	-	991.7	+2	SW	4	bc	47	85	5	-	-	-	-	-	-	991.7	+2	SW	4	bc	47	85	5	-	-	-	-	-	*		
Croydon	994.6	-6	S	4	o1f	48	85	6	750	Nb	8	AS	2	-	992.6	+1	SW	5	bc	47	75	7	2,000	Stcu	1	-	-	-	992.6	+1	SW	5	bc	47	75	7	2,000	Stcu	1	-	-	-	-	*
1H. G.M.T. OF 13 <sup>h</sup>																																												
Renfrew	994.5	+4	NNE	4	o1f	37	85	6	-	St	10	-	-	-	999.4	+4	NNE	6	bif	35	65	6	2,000	Stcu	2	-	-	-	999.4	+4	NNE	6	bif	35	65	6	2,000	Stcu	2	-	-	-	x	
Eska Dalemuir	991.2	+4	NNE	6	o2f	34	97	5	-	Nb	10	-	-	-	996.6	+4	NNE	5	o2f	34	75	5	-	St	10	-	-	-	996.6	+4	NNE	5	o2f	34	75	5	-	St	10	-	-	-	*	
Valencia (Cahire's)	992.1	0	NNW	2	bc	45	*	*	*	*	*	*	*	0	997.6	+8	NE	3	c	41	85	8	3,000	St	7	-	-	-	997.6	+8	NE	3	c	41	85	8	3,000	St	7	-	-	-	x	
Baldonnel	991.4	+4	N	4	o2f	40	85	4	2,000	Stcu	10	-	-	-	996.2	+8	NNW	4	o2f	38	92	3	750	Nb	10	-	-	-	996.2	+8	NNW	4	o2f	38	92	3	750	Nb	10	-	-	-	*	
Manchester (Alex. Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	990.0	+5	ENE	5	o2f	39	85	4	1,250	Nb	10	-	-	-	990.0	+5	ENE	5	o2f	39	85	4	1,250	Nb	10	-	-	-	x	
Ross on Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*	989.7	-1	WNW	1	o1f	38	92	6	4,200	St	9	AS	1	-	989.7	-1	WNW	1	o1f	38	92	6	4,200	St	9	AS	1	-	*	
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*	989.8	+2	NNW	3	b	41	97	7	-	St	3	-	-	-	989.8	+2	NNW	3	b	41	97	7	-	St	3	-	-	-	*	
Calshot (Hants)	989.9	-3	SE	2	b	43	97	7	-	Stcu	3	-	-	-	990.9	-1	SSW	3	bc	44	92	8	2,000	Stcu	10	-	-	-	990.9	-1	SSW	3	bc	44	92	8	2,000	Stcu	10	-	-	-	2	
Lympe (Folkestone)	992.9	-1	SW	5	bc	44	85	8	750	St	5	-	-	-	992.4	-1	SW	4	o2f	43	92	7	750	Nb	10	-	-	-	992.4	-1	SW	4	o2f	43	92	7	750	Nb	10	-	-	-	*	
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1000.7	+3	N	3	bc	37	65	8	2,000	Stcu	5	-	-	-	1000.7	+3	N	3	bc	37	65	8	2,000	Stcu	5	-	-	-	4	
Howden	984.6	+2	SW	3	o1f	41	97	5	2,000	St	10	-	-	-	989.4	+3	NE	5	o2f	40	92	5	2,000	Nb	10	-	-	-	989.4	+3	NE	5	o2f	40	92	5	2,000	Nb	10	-	-	-	*	
Cranwell (Lines)	988.5	+1	SW	4	o	43	75	5	2,000	Stcu	9	-	-	-	990.1	+2	WSW	1	o2f	38	92	5	2,000	St	10	-	-	-	990.1	+2	WSW	1	o2f	38	92	5	2,000	St	10	-	-	-	*	
Felixstowe	993.1	0	S	4	bif	45	97	6	-	-	-	AS	1	2	992.8	-1	S	2	o	44	92	7	3,000	Stcu	10	-	-	-	992.8	-1	S	2	o	44	92	7	3,000	Stcu	10	-	-	-	2	
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*	989.8	0	WSW	1	bc	43	85	7	4,200	Stcu	2	AS	2	-	989.8	0	WSW	1	bc	43	85	7	4,200	Stcu	2	AS	2	-	*	
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*	989.5	0	SSW	2	o	42	92	6	-	Stcu	10	-	-	-	989.5	0	SSW	2	o	42	92	6	-	Stcu	10	-	-	-	*	
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*	990.7	-1	LS	2	om	42	92	5	750	Stcu	10	-	-	-	990.7	-1	LS	2	om	42	92	5	750	Stcu	10	-	-	-	*	
London (M.O. at 1st)	991.2	-1	*	*	*	44	*	*	*	*	*	*	*	*	991.1	0	S	1	o2f	42	92	4	2,000	Nb	10	-	-	-	991.1	0	S	1	o2f	42	92	4	2,000	Nb	10	-	-	-	*	
Croydon	992.3	-2	SW	5	cif	45	85	7	-	-	-	AS	8	-	992.1	-1	SSW	2	o2f	42	92	6	750	Nb	9	-	-	-	992.1	-1	SSW	2	o2f	42	92	6	750	Nb	9	-	-	-	*	
STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.																																												
STATIONS.	BAROM. at M.S.L.	TEMP. °F.	WIND. Dir.	Force 0-12.	Weather.	BAROMETER.		TEMPERATURE.		WIND.		Dir. of Upper Cloud.	Weather.	Sea	Rainfall mm.	TEMP.			WEATHER.			Sunshine Hours.																						
						at M.S.L.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.																								
18H. G.M.T. OF 12 <sup>h</sup>																							7H. G.M.T. OF 13 <sup>h</sup>							24 HOURS ENDED 7H. 13 <sup>h</sup>							12 <sup>h</sup>							
Lerwick	1000.1	31	WNW	2	b	1001.0	+1	31	+1	NNW	3	-	b	1	0.2	42	29	b	b	b	b	x																						
Stornoway	997.0	25	ENE	2	bc	1001.3	0	37	0	E	2	-	bc	1	-	37	33	bc	bc	bc	bc	3.0																						
Castlebay (Barrats)	993.6	40	NE	3	c	1001.5	+2	38	-1	ESE	2	-	b	2	-	40	36	bc	o.c	c.b	0.0																							
Malin Head	987.9	41	E	4	om	999.2	+3	40	-1	E	2	-	b	2	4	43	36	om	om	c.omp	0.0																							
Blackod Point	988.2	45	N	4	c	998.8	+4	41	-2	N	3	-	c	3	1	44	39	cr	bcm	bcp	*																							
Roche's Point	990.5	43	W	3	b	995.7	+5	40	-6	NNW	4	-	b	3	1	48	36	r.o.c.o	o.c.b	b	*																							
Birr Castle	987.2	39	WNW	1	o	997.1	-	37	-5	W	1	-	o	*	14	42	34	or	or.o	o	0.0																							
Donaghadee	987.4	41	SE	5	cmpy	997.9	+5	41	0	NE	5	-	bcmy	5	5	47	40	om																										

Information for these columns not usually received.

‡ The barometric change is expressed in half millibars.

§ For code see page 3

† See footnote p. 4.



## SUMMARY OF CONDITIONS AT 7 h.G.M.T. 13.1.1921.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Dull, local rain & mist.	Fair	R. Rough
2. E. England	Fair to dull.	Good	Smooth
3. E. Midlands	Dull.	Fair	-
4. W. Midlands	Dull, some mist.	"	-
5. S.W. England	Fine to dull, local rain.	Good	Mod.
6. South Wales	Fair.	V. Good	"
7. North Wales	Dull, showery, squally.	Fair	R. Rough
8. N.W. England	Dull, local rain & mist.	Poor	Mod.
9. N. Midlands	Dull, some mist.	"	-
10. N.E. England	Dull, misty, local rain.	"	-
11. E. Scotland	Fair to cloudy.	Good	Mod.
12. S.W. Scotland	Fine to dull, some mist.	Fair	"
13. Isle of Man	Fair to dull, misty, squally.	Indiff.	R. Rough
14. N. & N.W. Scotland	Fine to dull.	Good	Smooth
15. Hebrides	Fair or fine.	"	"
16. Orkneys and Shetlands	Fine.	"	V. Smooth
17. N.W. Ireland	Cloudy.	Fair	Slight
18. N.E. Ireland	Fair or fine, local mist.	"	Mod.
19. S.E. Ireland	Dull, local heavy rain.	Var.	"
20. S.W. Ireland	Fine to cloudy.	Good	Slight.

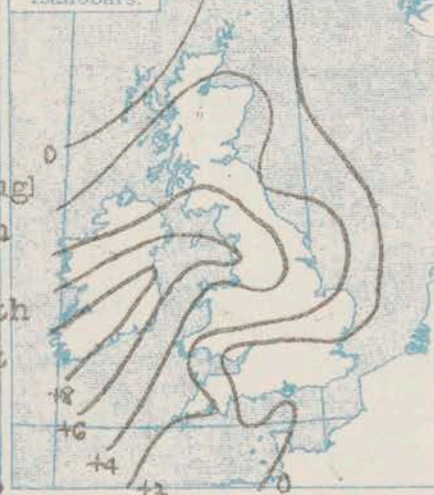
Temperature reported from Coastal and Cross Channel Steamers.

Position Number	Date	Time G.M.T.	Sea ° F	Air ° F
4a	12 <sup>th</sup>	0350	47	44
5	12 <sup>th</sup>	0811	48	44
3	12 <sup>th</sup>	1000	49	45
6	12 <sup>th</sup>	1430	50	51
2	13 <sup>th</sup>	0215	51	44
7	13 <sup>th</sup>	0251	51	49
4a	13 <sup>th</sup>	0430	45	42

CHART OF POSITION NUMBERS and Upper Cloud

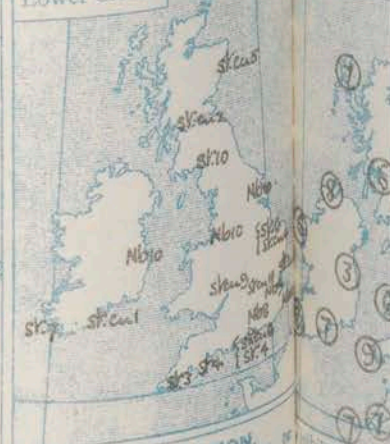


Isallobars.



Barometric change from 4 h. to 7 h. (half millibars).

Lower Cloud.



**EXPLANATION.**  
 BAROMETER.—Isobars are drawn at intervals of two millibars.  
 WIND.—Direction is shown by the arrow, and the number of the wind is shown by the number of the arrow.  
 TEMPERATURE.—Mean temperature is shown in degrees Fahrenheit by figures in small circles.  
 WEATHER SYMBOLS.—  
 ☉ clear sky. ☁ sky & clouds. ☂ rain falling. ☄ overcast sky. ☀ sleet. ☁ fog. ☁ thunder. ☁ thunderstorm. ☁ High.

GENERAL INFERENCE from observations received up to 9h.

A band of low pressure extends from the mouth of the Channel to the North Sea and there is some indication that another depression is approaching the South-West of England from the Bay of Biscay. It seems probable therefore that the North-Easterly wind will become general with colder weather than of late. Showers of rain or hail are to be expected in the South and of sleet or snow in the North.

Districts.	Forecasts for the 24 hours commencing 15 h.G.M.T. Thursday, 13th January, 1921.
1. S.E. England	Wind backing to S.E. or E., light or moderate to fresh or strong; much cloud, showers of rain or hail, brief fair periods, visibility mainly fair or good; temperature falling.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Wind between E. and N., increasing considerably; mainly overcast, some rain, hail or sleet locally, visibility fair; temperature falling.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	Wind between N. and N.E., moderate or fresh generally, strong or high at times; cloudy or overcast, some snow or sleet; visibility fair; cold.
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	Wind mainly between N. and E., light to moderate; variable sky, some snow showers, visibility fair; cold.
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	Same as 7 - 13.
19. S.E. Ireland	
20. S.W. Ireland	

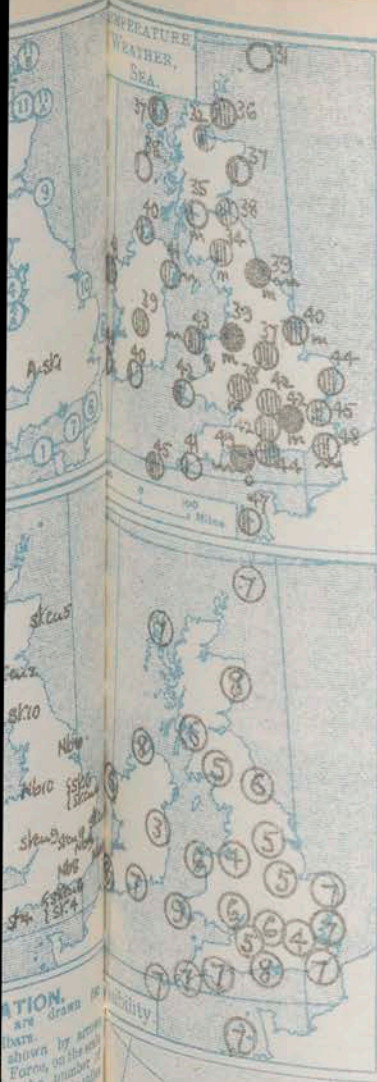
Further Outlook.

Much colder weather than of late is probable, with winds from between North and East. Some snow is to be expected in all districts.



# SYNOPTIC CHART FOR MORNING OF Thursday, January 13<sup>th</sup> 1921

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

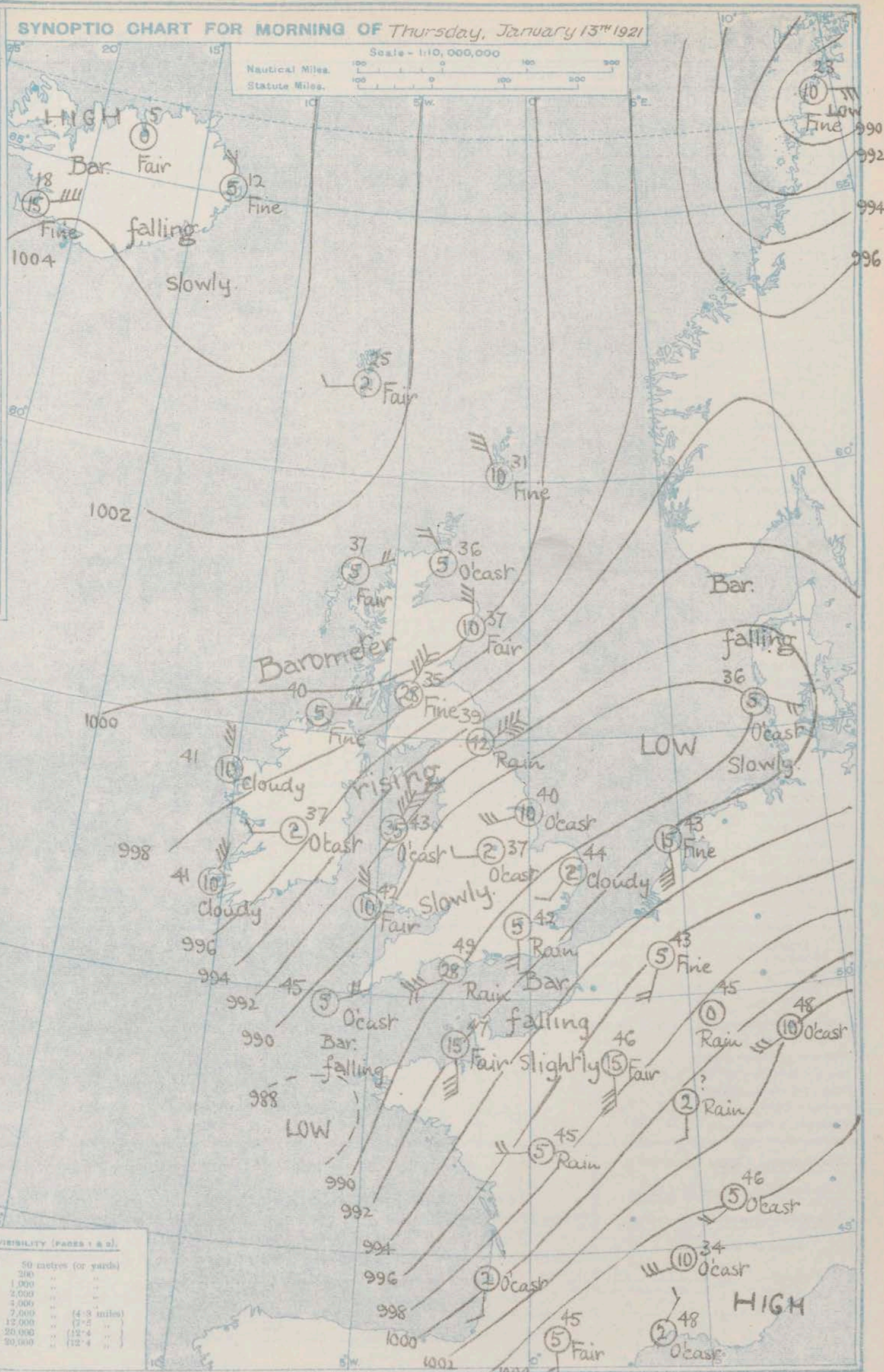


older  
man of  
probable,  
from  
north and  
snow  
expected  
districts.

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

Code	Meaning	Objects not visible at	50 metres (or yards)
0	Very Poor	1,000	"
1	Poor	2,000	"
2	Fair	4,000	"
3	Good	7,000	" (4-5 miles)
4	Very Good	12,000	" (7-8 miles)
5	Excellent	20,000	" (12-14 miles)

Objects visible beyond 20,000 feet.  
Exceptional visibility.



Director



WEATHER, TEMPERATURE RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 12<sup>th</sup>

STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 11-12. °	Day. 12-1. °	Sunrise to Sunset. 12. °			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 11-12. °	Day. 12-1. °	Sunrise to Sunset. 12. °
Scotland.	Oban ... ..	bc.c.o	o.c	39	36	-	-	0.0	England, N.W.	Douglas (I.O.M.)							0.0
	Banff ... ..	o.c	c.o	38	35	-	-	0.1		Blackpool ... ..	ot	ot	43	39	7	10	0.0
	Montrose ... ..									Southport ... ..	ot.	to	43	38	7	7	0.0
	St. Andrews ... ..	ot	ot	40	32	1	8	0.0		MORECAMBE ... ..	x.	x.	43	37	5	11	0.0
England, N.E.	Harrogate ... ..	o.	ot	41	33	10	10	0.0	Midlands.	Buxton ... ..							
	Scarborough ... ..	o.	ot	44	34	8	6	0.0		Leamington Spa... ..	od	od	48	37	2	6	0.7
England, E.	Skegness ... ..	o	ot.c.b	45	35	-	0.4	0.0	Wales.	Malvern ... ..							2.1
	Lowestoft ... ..									Bath ... ..	bc.c.ot	b.bcp	51	43	3	4	0.3
England, S.E.	Felixstowe ... ..	bc.	bcp	47	39	2	7	0.2	England, S.W.	Rhyl ... ..	T.	rc	45	39	2	4	0.0
	Southend-on-Sea... ..	ot.c.	ot.c.bc	47	38	3	3	0.0		Colwyn Bay ... ..	x.	x.	45	41	4	9	0.0
	Tunbridge Wells ... ..	o.ot	ot.c.bc	49	39	5	3	0.0		Llandudno ... ..	T.	ro	46	41	4	9	0.5
	Margate ... ..	bc.cp.	ot	50	39	1	4	0.4		Aberystwyth ... ..	ro.c.	ro	48	43	10	9	
	Ramsgate ... ..	*	*	48	39	1	2	0.5		Tenby ... ..							
	Folkestone ... ..	f.o.c	o	50	40	3	3	0.1		Swansea ... ..							
	Hastings ... ..	o.	ot.c.	50	41	5	4	0.0		Weymouth ... ..	cp.bc	bc.b	52	46	4	3	1.8
	Eastbourne ... ..	o.c.ot	T.o.c	51	42	14	4	0.2		Teignmouth ... ..							
	Brighton ... ..	T	T.o.c.b	50	41	7	2	0.0		Torquay ... ..	otp.bc	bc	52	45	5	3	4.1
	Worthing ... ..	rc.	rc.bc	50	39	7	1	0.2		Paignton ... ..	otp.bc	bc.bq	53	44	4	3	3.1
Littlehampton ... ..	bc.m	bc.p	50	42	5	1	0.4	Penzance ... ..	c.bcp	bc.c	52	46	8	1	4.6		
Portsmouth (S. base) ... ..	x.	x.	51	42	5	3	1.5	Newquay ... ..	bcp.	bcp	50	45	7	1	2.9		
Bournemouth ... ..	*	*	51	43	4	3	2.8	Bude ... ..	p.	p.	51	46	4	5	2.6		
Ventnor (I. of W.)	*	*							Ilfracombe ... ..							1.4	
									Weston-s-Mare ... ..	ot.b.rc	bcp.c	50	43	5	4		

## SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	7h-12h	12h-18h	Max. F.	Min. F.	Day. 7h-12h	Night. 12h-18h	Hours.	Hours.
Renfrew ... ..	ot.c	ot.c	38	34	32	0.0	0.0	0.0
Eskdalemuir ... ..	ot.c	ot.c	38	32	32	0.0	0.0	0.0
Valencia (Cahire) ... ..	ot.c	ot.c	46	38	23	2.9	2.9	2.9
Baldonnel ... ..	ot.c	ot.c	42	34	32	12	4	0.0
Manchester (Alex. Pk) ... ..	ot.c	ot.c	46	39	37	7	0.4	0.0
Ross on Wye ... ..	ot.c	ot.c	48	36	29	10	trace	1.0
Falmouth ... ..	ot.c	ot.c	51	39	32	9	5	4.7
Calshot (Hants) ... ..	ot.c	ot.c	51	41	37	2	11	1.9
Lympne (Folkestone) ... ..	ot.c	ot.c	47	38	37	4	0.3	0.2
Aberdeen ... ..	ot.c	ot.c	38	35	31	0.4	0.1	0.0
Howden ... ..	ot.c	ot.c	45	30	22	5	1	0.0
Cranwell (Lines) ... ..	ot.c	ot.c	44	35	32	8	trace	0.0
Felixstowe ... ..	ot.c	ot.c	47	40	3	5	0.2	0.2
Shoeburyness ... ..	ot.c	ot.c	51	38	39	3	0.2	0.1
Benson ... ..	ot.c	ot.c	49	40	37	4	-	0.1
S. Farnborough ... ..	ot.c	ot.c	49	40	38	2	2	0.7
London (Kew Obs.) ... ..	ot.c	ot.c	49	41	32	4	trace	0.1
Croydon ... ..	ot.c	ot.c	48	41	36	3	1	0.1

## BEAUFORT NOTATION.

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.  
e wet air without rain falling.  
f fog.  
g gloom.  
h hail.  
i lightning.  
m mist.  
o overcast sky.  
p passing showers.  
q squalls.  
r rain.  
rs sleet, i.e., rain and snow together.  
s snow.  
t thunder.  
u ugly, threatening sky.  
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.

Capital letters indicate intensity, and repetition of letters continuity, thus:  
R = heavy rain.  
rr = continuous moderate rain.  
r.r. = continuous light rain.

## THE BEAUFORT SCALE OF WIND FORCE.

Used only for surface observations.

Limits of Velocity at about 30 feet above ground.

No.	Statute miles per hour.	Meters per second.
0	Less than 1	Less than 0.9
1	1-3	0.9-1.5
2	4-7	1.6-2.4
3	8-12	2.5-3.3
4	13-18	3.6-5.0
5	19-24	5.1-6.7
6	25-31	6.8-8.5
7	32-38	8.6-10.7
8	39-46	10.8-12.8
9	47-54	12.9-14.9
10	55-63	15.0-17.7
11	64-75	17.8-21.0
12	Above 75	21.1 or above

## SYMBOLS.

Aurora  $\Delta$  Rime  $\square$  Lunar halo  $\odot$   
Glazed frost  $\sim$  Solar corona  $\odot$   
Glazed roads  $\sim$  Lunar corona  $\odot$   
Line Squall  $\sim$  Snow lying  $\sim$

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.				
	Morning.	Afternoon.	Night.						15 h.	9 h.						
									G.M.T.	G.M.T.						
	24 HOURS ENDED 9h G.M.T. 13 <sup>th</sup>							YESTERDAY.	TO-DAY.							
										Vertical Component of Solar Radiation per Square Centimetre during yesterday.		13 <sup>th</sup> AND 14 <sup>th</sup> JANUARY 1920.				
												Stations.	Sunrise.	Noon.	Sunset.	
Greenwich (Royal Observatory)	o.c.	o.c.	bc.c	49	41	35	3	0.4	82	90		G.M.T.	G.M.T.	G.M.		
City (Bunhill Row) ...	*	*	*	*	*	*	*	0.0	*	*						
Westminster (St. James's Park)	*	*	*	50	42	35	2	0.0	80	79						
Regent's Pk. (Botanical Gardens)	*	*	*	*	*	*	*	*	*	*						
Camden Sq. (British Rainfall)	bc.c.or.	bc.b	*	50	41	35	3	*	93	84	Total 152 Joules.					
Kensington Palace ...	bc.d	bc.d	*	50	42	35	3	*	79 (18h)	88	Milliwatts.					
Hampstead Observatory ...	*	*	*	*	*	*	*	0.0	*	*	Average Rate. 5.2					
											Maximum Rate. 19					
													Yarmouth...	8.1 8.0	12.2 12.2	4.3 4.3
													Greenwich	8.3 8.2	12.9 12.9	4.6 4.6
													Wick	8.55 8.54	12.21 12.21	3.4 3.4
													Valencia	8.46 8.45	12.50 12.50	4.5 4.5

## Photographic Record of

Pole Star (Polaris) and of  $\delta$  Ursae

Minors at Greenwich Observatory.

Exposure from 12<sup>h</sup> 17<sup>m</sup> 15<sup>s</sup> to 13<sup>h</sup> 7<sup>m</sup> 0<sup>s</sup>

Star.	Duration of Exposure.	Duration of Record.	%
Polaris	15 45	8 55	56
$\delta$ Ursae	15 45	8 43	65
Minors			

## NOTES ON THE WEATHER OF YESTERDAY.

Temperature rose to about 50° at some Southern Stations, but remained below 40° at several places in the North.

Rain fell very generally - heavily in some localities. At Tynemouth the measurement was 34mm, at Holyhead 18mm, Baldonnel 16mm, Birr Castle and Falmouth 14mm.

Sunshine was more general in the South-West of England than elsewhere; at Scilly the record was 5.3 hours. Over a large area in the East and North the day was sunless, but Stornoway had 3 hours.

\* Information for these columns not usually received.

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





## AIR MINISTRY.

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

BRITISH SECTION.

No. B.21.603. Friday, 14th January, 1921

## OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1h, 7h, 13h AND 19h.

STATIONS.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Dirce.	Force 0-12.	Weather.	Temp. °F.	Humidity. %	Visibility 0-3.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-4.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Dirce.	Force 0-12.	Weather.	Temp. °F.	Humidity. %	Visibility 0-3.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-4.																										
																									13h. G.M.T. of 13th													13h. G.M.T. of 13th												
																									Renfrew ...	1002.1	+3	NNE	4	bc	37	75	8	-	-	-	-	1007.2	+5	WSW	2	bc	37	75	8	-	-	-	-	
Eskdalemuir ...	1002.1	+4	NNE	4	bc	35	75	6	-	-	-	-	1006.7	+5	-	0	bc	38	75	8	-	-	-	-																										
Valencia (Cable's) ...	1002.1	+6	ENE	2	bc	41	85	8	2000	St. Cu	6	-	1010.1	+6	NE	1	b	39	85	8	3,000	St. Cu	2	-	4																									
Baldonnel ...	1002.5	+6	NNE	3	bc	40	75	6	3,000	St. Cu	6	-	1007.4	+6	N	2	b	34	85	6	2,000	St. Cu	2	-	0																									
Manchester (Glasgow) ...	996.3	+6	NE	7	cg	38	75	4	1,250	St. Cu	9	AS	1008.4	+10	NNE	3	cg	40	75	4	1,250	St. Cu	4	AS	5																									
Ross on Wye ...	993.5	+3	NNE	3	cg	39	90	5	750	St.	10	-	999.7	+7	NE	5	cg	37	85	5	1,250	St.	10	-	-																									
Falmouth ...	994.0	+3	N	6	0	45	75	7	-	St. Cu	9	-	1000.3	+9	N	6	cg	43	75	6	-	St. Cu	9	-	-																									
Calshot (Hants) ...	992.0	+2	SW	1	0	45	92	7	1,250	St.	10	-	995.2	+4	N	3	0	44	85	6	4,200	St. Cu	10	-	2																									
Lymington (Folkestone) ...	992.4	0	SW	3	0	44	92	6	1,250	St.	10	-	994.3	H	-	0	0	41	91	7	750	St.	10	-	-																									
Aberdeen ...	1003.9	+2	N	1	0	37	65	8	2,000	St. Cu	8	-	1005.7	+2	N	1	0	31	85	5	-	-	-	3																										
Howden ...	996.1	+3	ENE	8	0	42	92	5	1,250	St.	10	-	1000.4	+6	NE	4	0	39	75	6	1,250	St.	4	AS	5																									
Cranwell (Lincoln) ...	993.6	+3	NE	1	0	40	97	3	4,500	St.	10	-	994.5	+6	NE	5	0	40	85	6	2,000	St.	10	-	-																									
Felixstowe ...	993.8	+1	S	2	0	46	85	6	3,000	St. Cu	9	-	998.0	+3	N	3	0	43	97	6	2,000	St. Cu	10	-	1																									
Shoeburyness ...	992.5	+2	S	1	0	46	85	6	1,250	St.	10	-	994.5	+2	-	0	0	44	85	6	1,250	St.	10	-	-																									
Benson ...	991.7	+2	NNE	2	0	41	97	5	-	St.	10	-	995.9	+5	NE	2	0	41	92	6	-	St.	10	-	-																									
S. Farnborough ...	991.8	+1	SW	1	0	45	92	7	750	St.	10	-	995.6	+5	N	1	0	42	92	6	-	St.	10	-	-																									
London (Kew Obs.) ...	992.2	0	SW	1	0	46	85	4	4,200	St. Cu	9	AS	995.6	+4	NNW	3	0	43	85	4	2,000	St.	10	-	-																									
Croydon ...	992.7	+1	SW	1	0	45	85	4	1,250	St.	7	AS	995.7	+4	N	3	0	43	92	5	750	St.	10	-	-																									
1h. G.M.T. of 14th													7h. G.M.T. of 14th																																					
Renfrew ...	1007.6	+1	WSW	2	0	32	85	4	1,250	St.	10	-	1009.8	+3	W	2	bc	35	92	7	-	St. Cu	1	-	-																									
Eskdalemuir ...	1010.5	+1	-	0	bc	18	92	3	-	St. Cu	1	-	1009.6	0	WSW	2	bc	32	92	5	-	St.	6	-	-																									
Valencia (Cable's) ...	1010.6	+2	NNE	3	bc	42	-	-	-	-	-	-	1016.3	+1	NNE	1	bc	37	97	8	4,200	St.	4	-	-																									
Baldonnel ...	1012.1	+3	S	3	bc	33	85	7	3,000	St. Cu	2	AS	1016.3	+3	WSW	3	bc	35	85	6	2,000	St. Cu	3	AS	2																									
Manchester (Glasgow) ...	-	-	-	-	-	-	-	-	-	-	-	-	1013.4	+3	SE	1	bc	27	97	3	4,200	St. Cu	9	-	-																									
Ross on Wye ...	-	-	-	-	-	-	-	-	-	-	-	-	1015.3	+5	SW	1	bc	30	85	8	-	-	-	-																										
Falmouth ...	1010.3	+8	H	4	bc	38	75	7	-	-	-	-	1016.9	+6	N	3	bc	36	85	8	-	-	-	-																										
Calshot (Hants) ...	1004.9	+1	N	4	0	40	85	8	3,000	St. Cu	10	-	1014.6	+9	NNW	4	bc	35	85	6	3,000	St. Cu	1	-	2																									
Lymington (Folkestone) ...	1001.4	+7	N	8	0	37	97	4	4,500	St.	10	-	1011.1	+8	N	6	cg	33	97	7	750	St.	9	-	-																									
Aberdeen ...	-	-	-	-	-	-	-	-	-	-	-	-	1007.1	+3	WNW	5	bc	35	92	8	3,000	St. Cu	1	-	3																									
Howden ...	1008.3	+1	N	1	bc	30	97	5	4,500	St.	10	-	1012.7	+3	-	0	bc	24	97	5	3,000	St.	2	AS	1																									
Cranwell (Lincoln) ...	1008.3	+6	N	2	bc	32	85	7	5,700	St. Cu	1	AS	1013.6	+5	WNW	1	bc	23	97	4	-	-	-	-																										
Felixstowe ...	1002.7	+6	N	5	0	37	92	6	1,250	St.	10	-	1011.3	+9	NW	4	bc	35	85	8	4,200	St. Cu	5	-	3																									
Shoeburyness ...	-	-	-	-	-	-	-	-	-	-	-	-	1011.7	+9	N	3	bc	34	75	7	4,200	St. Cu	2	-	-																									
Benson ...	-	-	-	-	-	-	-	-	-	-	-	-	1013.5	+8	NNW	3	bc	31	85	6	-	St.	3	-	-																									
S. Farnborough ...	-	-	-	-	-	-	-	-	-	-	-	-	1013.5	+9	SW	1	bc	31	85	6	2,000	St.	1	-	-																									
London (Kew Obs.) ...	1004.5	+7	-	-	-	35	-	-	-	-	-	-	1013.3	+9	NNW	2	bc	34	75	5	2,000	St.	1	-	-																									
Croydon ...	1004.9	+8	NE	4	0	37	85	6	750	St.	10	-	1013.1	+10	NNE	3	bc	34	85	5	2,000	St. Cu	3	-	-																									

## STATIONS CONTRIBUTING REPORTS AT 7h. AND 19h.

STATIONS.	BAROM.		WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Dirac. of Upper Cloud.	Weather.	Sea.	Rainfall.	TEMP.		WEATHER.			Sunshine Hours.
	at M.S.L.	mb.	Temp.	Force 0-12.		Temp.	Change in 24 hours.	Dirac.	Force 0-12.	Max. °F.	Min. °F.					Morning.	Afternoon.	Night.			
	mb.	°F.	Dirac.	Force 0-12.		°F.	Change in 24 hours.	Dirac.	Force 0-12.	°F.	°F.					°F.	°F.	°F.			
18h. G.M.T. of 13th						7h. G.M.T. of 14th						24 HOURS ENDED 7h. 14th						13th			
Lerwick	1003.8	30	-	0	oms	1007.0	+4	35	+4	N	4	-	bc	4	1	36	29	bc	oms.	oms	xi.
Stornoway	1000.6	36	S	4	0	1011.9	+5	34	-3	N	2	-	b	3	4	39	34	bc	bc. or	op. b	0.7
Castlebay (Barrato)	1003.1	39	N	4	cp	1013.3	+4	38	0	NNE	2	-	c	2	5	39	36	bc	bc. op.	c. op. b	5.0
Malin Head	1005.1	37	SW	2	bc	1011.8	+3	42	+2	NW	3	NW	c	3	2	43	37	bc	bc	omp. cp	6.4
Blacksod Point	1006.5	40	-	0	bc	1013.3	+3	41	0	WNW	1	-	bc	2	1	47	39	bc	bc	bc. bep	-
Roche's Point	1008.1	40	NNW	3	b	1016.5	+3	37	-3	NW	1	-	0	2	0.3	44	32	b. bc	bc. b	b. o	-
Birr Castle	1008.4	33	NW	1	b	1015.4	-	33	-4	N	1	-	bc	-	-	40	28	b.	b.	bc	6.4
Donaghadee	1007.7	36	-	0	brn	1011.9	+3	36	-5	W	2	-	bc	1	-	41	32	brn	brn	brn	-
Liverpool (Baldon)	1003.2	38	NE	4	0	1012.5	+1	35	-4	WSW	3	W	bc	2	1	41	34	r. o	c. o	bcx	0.0
Holyhead	1004.7	42	NE	4	bc	1013.1	+1	43	0	W	5	-	cg	4	0.3	43	39	cg	c	b. b. p. h	0.5
Pembroke (St. Mary's)	1003.5	41	N	3	bc	1016.1	+3	43	+1	NW	2	-	bc	2	-	44	36	c. o	a. c. bc	bc. b. b. v.	1.2
Scilly (St. Mary's)	1001.4	46	NE	6	c	1017.6	+6	44	-1	NNW	2	-	b	4	3	47	41	obccp	cg	c. bc. b. b.	1.3
Jersey (St. Aubin)	994.3	46	S	4	0	1013.7	+5	41	-6	N	4	N	bc	4	2	51	41	ccg	cc. o	or. o. bc	1.3
Portland Bill	995.7	46	N	5	om	1014.5	+2	36	-13	N	5	-	b	5	0.2	44	34	or. cg	om	m. o. c. b.	-
Dungeness	993.8	45	-	0	r	1008.3	+7	37	-11	NNE	5	N	b	5	7	49	37	c. p. c	cp. c. r	c. cg. bc	-
Wick	1002.2	36	SW	3	cg	1007.0	-10	35	-1	NNW	6	-	bcg	4	0.2	36	28	c. c	bcg	b. bcg. p.	-
Nairn	1003.5	28	-	0	bc	1009.4	-	34	+2	W	1	-	bc	1	-	36	27	c. bc	bc	b. bc	4.8
Leith	1005.9	34	SW	1	b	1006.3	0	37	-1	W	1	-	0	2	-	39	30	c. bc	b	b. b. x. o	-
Tynemouth	1003.4	40	ENE	4	cl	1010.0	+2	34	-5	WSW	2	-	c. f.	3	-	42	31	cg	cg	bc. m.	-
Spurn Head	999.0	42	NE	6	cg	1011.0	+4	37	-3	NNW	4	-	b	4	2	42	33	om	om. r. cg	bc. b	-
Yarmouth	996.0	43	NE	4	0	1010.8	+6	39	-5	NE	5	-	c	3	3	45	39	cp. om	om. r. v	bc. b.	0.0
Clacton-on-Sea	994.5	45	NNW	1	0	1010.2	+8	35	-10	N	4	N	bcv	3	4	48	35	cp. c	a. om. p. d.	cg. p. r.	0.9
Nottingham	1000.1	39	NNE	4	0	1013.7	-	32	-5	NW	2	-	bc	2	2	41	30	cd	r. o	c. c. b	0.0



GENERAL INFERENCE from observations received up to 9h.

An anticyclone extending over the British Isles from the South-Westward will cause mainly fair, cold weather for a time, but a depression which is advancing on Iceland will probably bring about a return to West and South-West winds and unsettled weather in the North and West before the ensuing 24 hours have elapsed, and subsequently to all parts of the Kingdom.

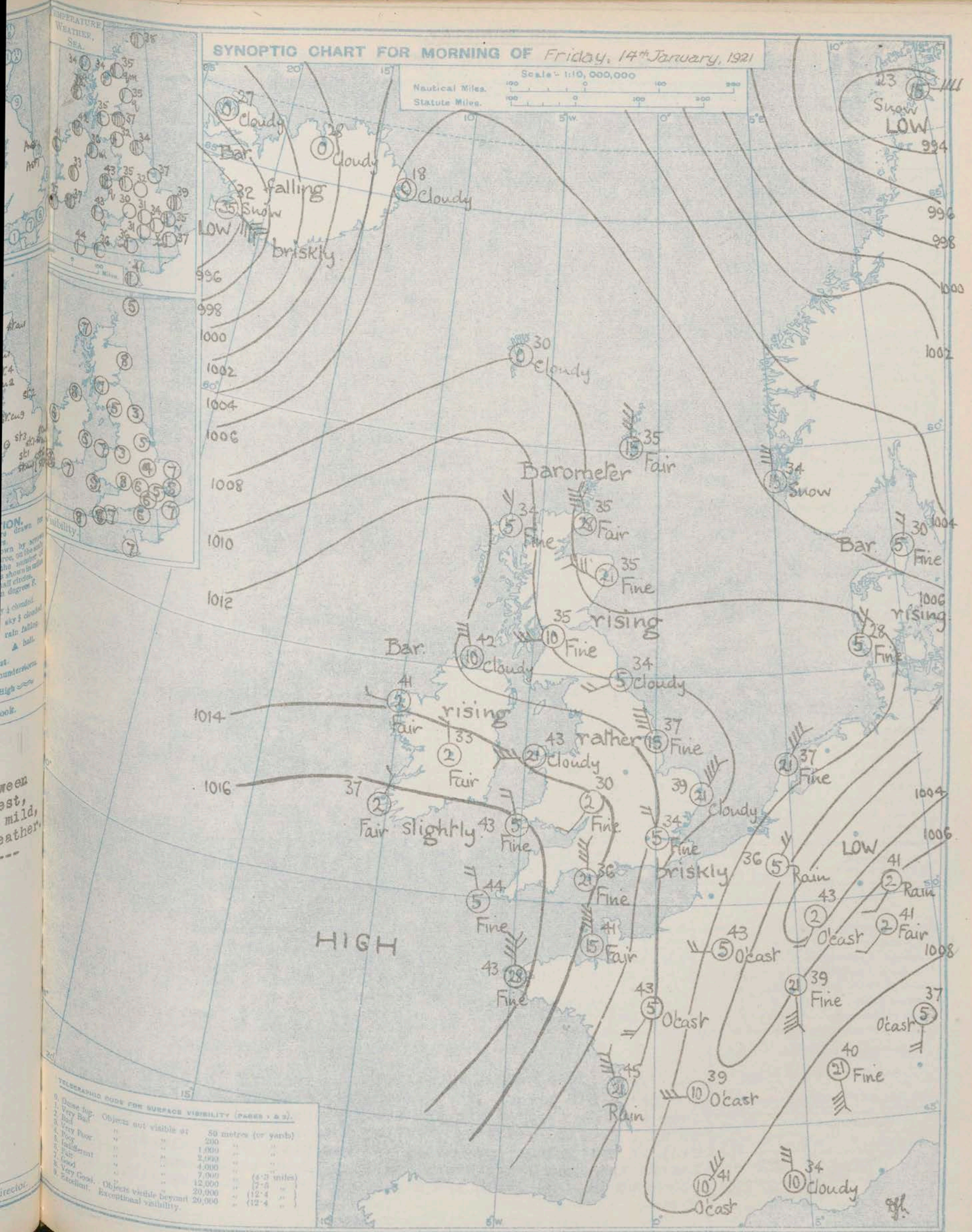
Wind between  
South and West,  
with rather mild,  
unsettled weather.



# SYNOPTIC CHART FOR MORNING OF Friday, 14<sup>th</sup> January, 1921

Nautical Miles.  
Statute Miles.

Scale - 1:10,000,000



## TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2).

Code	Object not visible at	Distance (in miles)
0	Dense fog	50 metres (or yards)
1	Very Bad	200 "
2	Bad	1,000 "
3	Very Poor	2,000 "
4	Poor	3,000 "
5	Indifferent	4,000 "
6	Fair	7,000 "
7	Good	12,000 "
8	Very Good	20,000 "
9	Excellent	20,000 "



Friday  
14th January

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

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.
	Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-3h.	Day. 3h-12h.	Sunrise to Sunset. 13 <sup>h</sup>		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-3h.	Day. 3h-12h.	Sunrise to Sunset. 13 <sup>h</sup>
Scotland.								England, N.W.							
Oban ... ..	bc.v	bc	40	28	-	-	5.6	Douglas (I.O.M.)							0.7
Banff ... ..	bc.b	b	41	27	-	-	5.3	Blackpool ... ..	o		41	38	9	-	0.0
Montrose ... ..								Southport ... ..	o	o.c.bc.b	41	37	4	-	0.2
St. Andrews ... ..								Morecambe ... ..	*	*	39	37	10	-	
England, N.E.								Midlands.							
Harrogate ... ..	or.o	o.c.bc.b	38	34	5	0.3	0.0	Buxton ... ..							0.0
Scarborough ... ..	or	o	44	37	5	1	0.0	Leamington Spa... ..	o	or	43	37	-	-	
Skegness ... ..	or.g	or	42	35	0.1	1	0.0	Malvern ... ..							0.1
England, E.								Wales.							
Lowestoft ... ..								Bath ... ..	o.c	o	45	36	0.3	-	0.0
Felixstowe ... ..	cp	om	47	43	1	1	1.0	Rhyl ... ..	cp	c	45	37	2	0.3	0.0
Southend-on-Sea... ..	op.c	od	48	41	1	0.3	0.6	Colwyn Bay ... ..	*	*	42	38	3	-	0.0
England, S.E.								Llandudno ... ..	*	*	46	40	1	-	1.5
Tunbridge Wells	bc.op	bc.opm	48	40	6	5	1.3	Aberystwyth ... ..	o.c.b	c.o.d	42	40	-	-	
Margate ... ..	or	or	47	42	1	7	0.2	Tenby ... ..							0.0
Ramsgate ... ..	*	*	47	41	2	7	0.5	Swansea ... ..							
Folkestone ... ..	ec.p.o	r.o	49	43	0.3	7	0.0	England, S.W.							
Hastings ... ..	ec.p.r	or	49	44	0.4	10	0.5	Weymouth ... ..	c.o	o	46	41	7	-	
Eastbourne ... ..	r.o.c.or	r.or	49	44	2	2	0.3	Teignmouth ... ..							1.7
Brighton ... ..	o.c.b	bc.od	48	45	3	-	2.1	Torquay ... ..	o.c	bc.c	48	40	3	0.1	1.8
Worthing ... ..	r.o	bc.c	49	42	9	0.3	1.8	Paignton ... ..	bc	bc.o	47	38	4	-	1.2
Littlehampton ... ..	or.g	ocp	48	41	4	2	0.4	Penzance ... ..	c.bc	bc.c	48	42	7	0.2	1.1
Portsmouth (J.Hesse)	*	*	50	42	7	1	0.0	Newquay ... ..	bc.c	?	46	41	4	-	0.1
Bournemouth ... ..	*	*	45	41	13	-	0.0	Bude ... ..	c	c	46	38	4	-	0.0
Ventnor (I. of W.)	*	*						Ilfracombe ... ..	om	om	44	41	0.2	-	0.0
								Weston-s-Mare ... ..	c.o	o.c	46	39	1	-	

## SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	RAINFALL. †		Sun. Hours.
	7h-12h.	12h-18h.	18h-24h.	24h-7h.				Day 7h-18h.	Night 18h-7h.	
Renfrew ...	b.bc	b.c	b.c.c.c.s	c.p.s.c.c.c	38	25	14	0.1	0.1	6.0
Eskdalemuir ...	bc.c	b.bc.b	bc.	p.s.c.c	37	17	12	-	0.4	3.5
Valencia (Cahire) ...	o.p.c	bc.c.b.c	b.c.b.c	b.c.p.o	44	33	29	-	2	3.1
Baldonnel ...	bc.p.c	b.c.c	b.c.c	b.c.c	41	30	20	0.3	0.1	1.0
Manchester (O. H. P. H.)	bc.g	bc.g	c.o.g	c.o.g	41	24	15	0.1	-	0.5
Ross on Wye ...	bc.g	bc.g	c.o.g	c.o.g	41	30	22	0.1	0.1	0.0
Falmouth ...	bc.c	bc.c	c.o.b	bc.c	46	35	30	-	-	1.3
Calshot (Hants) ...	p.r	bc.c	c.o.b	bc.c	46	35	32	1	0.1	0.0
Lymington (Folkestone) ...	bc.p.c	bc.p.c	c.o.g	c.o.g	44	34	32	12	6	0.2
Aberdeen ...	b.bc.c	bc.c	bc.c	bc.c	37	30	20	-	-	0.1
Howden ...	bc.g	bc.g	bc.c	bc.c	41	25	16	2	-	0.0
Cranwell (Lincs) ...	bc.c	bc.c	bc.c	bc.c	40	28	25	3	-	0.0
Felixstowe ...	bc.c	bc.c	bc.c	bc.c	47	34	28	0.3	2	1.1
Shoeburyness ...	bc.c	bc.c	bc.c	bc.c	48	34	30	1	2	0.8
Benson ...	bc.c	bc.c	bc.c	bc.c	44	31	24	2	0.2	*
S. Farnborough ...	bc.c	bc.c	bc.c	bc.c	45	31	26	-	1	0.1
London (Kew Obs.) ...	bc.c	bc.c	bc.c	bc.c	46	34	28	1	1	0.1
Croydon ...	bc.c	bc.c	bc.c	bc.c	45	34	29	3	0.4	0.5

## BEAUFORT NOTATION.

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.  
 e wet air without rain falling.  
 f fog, g gloom.  
 h hail, i lightning.  
 m mist, o overcast sky.  
 p passing showers.  
 q squalls, r rain.  
 rs sleet, i.e., rain and snow together.  
 s snow, t thunder.  
 u ugly, threatening sky.  
 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.

Capital letters indicate intensity, and repetition of letters continuity, thus:-  
 R = heavy rain.  
 rr = continuous moderate rain.  
 r.f. = continuous light rain.

## THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity at about 30 feet above ground.	
	Statute miles per hour.	Meters per second.
0	Less than 1	Less than 0.5
1	1-5	0.5-1.5
2	4-7	1.5-2.5
3	8-15	2.5-4.5
4	16-20	4.5-5.5
5	21-24	5.5-6.5
6	25-31	6.5-8.5
7	32-38	8.5-10.5
8	39-45	10.5-12.5
9	46-54	12.5-15.5
10	55-63	15.5-18.5
11	64-75	18.5-21.5
12	Above 75	21.5 or above

## SYMBOLS—

Solar halo ☉  
 Aurora ✨  
 Rime ❄️  
 Lunar halo ☾  
 Glazed frost ❄️  
 Solar corona ☉  
 Lunar corona ☾  
 Glazed roads ❄️  
 Lunar corona ☾  
 Line Squall ☁️  
 Snow lying ❄️

## LONDON OBSERVATIONS.

	Morning.							Hour.		G.M.T.	
	24 HOURS ENDED 14th JAN. 1921							YESTERDAY.		TO-DAY.	
Greenwich (Royal Observatory)	o.c.	o.c.	o.c.	46	33	29	3	0.1	97	80	
City (Bunhill Row)	"	"	"	"	"	"	"	0.0	"	"	
Westminster (St. James's Park)	"	"	r.b	47	35	28	2	0.1	89	75	
Regent's Park (Botanical Garden)	"	"	"	"	"	"	"	0.0	"	"	
Camden Sq. (British Rainfall)	bc.c	o.c.	"	47	32	?	1	"	95	79	
Kensington Palace	o.b.	o.	"	47	34	29	3	"	90 (18h)	78	
Hampstead Observatory	"	"	"	44	31	26	1	0.1	"	79	

## SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	HUMIDITY %	
	15 h. G.M.T.	9 h. G.M.T.
Total	13.6	joules
Average Rate.	4.6	Milliwatts.
Maximum Rate.	2.5	

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

Stations.	14th JAN. 1921		15th JAN. 1921	
	Sunrise. G.M.T.	Noon. G.M.T.	Sunrise. G.M.T.	Noon. G.M.T.
Yarmouth...	8.0	12.2	8.1	12.3
Greenwich	8.2	12.4	8.3	12.5
Wick	8.5	12.7	8.6	12.8
Valencia ...	8.8	13.0	8.9	13.1

## Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minors at Greenwich Observatory.

Exposures from 10.15 a.m. to 11.15 a.m.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	13.45	3.4	23
8 Ursae	13.45	2.56	21

## NOTES ON THE WEATHER OF YESTERDAY.

Temperature remained below 40° at several Northern stations and below 50° except at a few on the South Coast. Frost occurred over a large area at night: at Eskdalemuir the thermometer fell to 17°, at Manchester 24°, and at Howden and Renfrew to 25°. Rain fell in most places, and snow in some parts of Scotland; at Lymington the rain measurement was 18mm. Much bright sunshine was recorded in some Irish and Scottish localities. Very little else where.

\* Information for these columns not usually received.

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





## AIR MINISTRY.

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

BRITISH SECTION.

No. B. 21.604

Saturday, 15<sup>th</sup> January, 1921.

## OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 10H AND 18H.

STATIONS.	13H. G.M.T. OF 14 <sup>th</sup>											15H. G.M.T. OF 14 <sup>th</sup>																							
	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND. Direc.	Force 0-12.	Weather	TEMP. °F.	Humidity %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND. Direc.	Force 0-12.	Weather	TEMP. °F.	Humidity %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.							
										Form.	Amt. 0-10.	Form.	Amt. 0-10.											Form.	Amt. 0-10.	Form.	Amt. 0-10.								
Renfrew ...	1016.6	+5	NH	2	C	39	65	8	-	-	-	-	-	-	1022.2	+3	-	0	C3f	31	85	3	-	-	-	-	-	-	H.Sr	7	*				
Esksdalemuir ...	1015.1	+5	N	4	b	35	75	7	-	-	-	-	-	-	1020.7	+5	-	0	b	24	92	8	-	-	-	-	-	-	-	-	*				
Valencia (Cabrera) ...	1017.8	-1	SE	3	bc	47	85	8	2,000	St. Cu	6	-	-	3	1018.6	+2	S	3	oif	48	92	7	1,250	St.	6	-	-	-	-	-	A.Sr	4	3		
Baldonnel ...	1018.1	+2	SW	2	C	41	75	8	1,250	St. Cu	1	H.Sr	6	*	1020.6	+4	-	0	bif	37	85	7	-	-	-	-	-	-	-	-	-	A.Sr	1	3	
Manchester (Crested) ...	1015.3	+2	SW	2	C3f	39	85	3	1,250	St.	8	-	-	*	1019.8	+6	N	1	bc3f	34	85	2	2,000	St.	4	-	-	-	-	-	-	-	*		
Ross on Wye ...	1017.2	+1	H	2	C	41	75	8	3,700	St. Cu	6	G.Cu	1	*	1020.5	+5	NNW	1	bv2	36	85	9	-	-	-	-	-	-	-	-	-	-	Ci	1	*
Falmouth ...	1020.3	+2	H	1	C	46	75	8	-	-	-	G.Cu	8	*	1022.7	+3	H	3	C	44	85	6	-	-	-	-	-	-	-	-	-	-	-	*	
Calshot (Hants) ...	1018.5	+5	NH	3	bif	41	65	7	3,000	St. Cu	2	-	-	1	1021.2	+4	H	1	bif	37	85	7	3,000	St.	1	-	-	-	-	-	-	-	-	*	
Lymington (Folkestone) ...	1016.0	+4	NH	4	b	38	75	8	4,200	St. Cu	1	-	-	*	1019.7	+5	-	0	cif	33	85	6	2,000	St.	8	-	-	-	-	-	-	-	-	*	
Aberdeen ...	1013.9	+4	NH	4	b	37	75	8	4,200	St. Cu	2	-	-	3	1018.8	+5	NNN	3	b	32	75	8	-	-	-	-	-	-	-	-	-	-	3	*	
Howden ...	1013.9	+1	H	2	C	36	97	4	3,000	St.	4	H.Cu	4	*	1019.0	+8	NNN	2	brn	33	92	6	4,200	St.	1	-	-	-	-	-	-	-	-	*	
Cranwell (Lincoln) ...	1015.8	+1	NH	3	02f	36	85	4	1,250	St. Cu	6	-	-	*	1019.9	+7	NNW	2	bc	34	97	5	2,000	Cu	6	-	-	-	-	-	-	-	-	*	
Felixstowe ...	1016.3	+2	NNW	3	b	41	75	8	-	-	-	H.Sr	1	2	1019.9	+4	NNH	3	02.	38	85	6	4,200	St. Cu	10	-	-	-	-	-	-	-	-	1	*
Shoeburyness ...	1016.6	+3	NE	2	b	40	65	7	4,200	Cu	2	G.Cu	1	*	1019.5	+5	-	0	C3f	36	85	3	2,000	St. Cu	8	-	-	-	-	-	-	-	-	-	*
Benson ...	1017.0	+2	N	3	C	41	65	6	-	-	-	H.Cu	7	*	1020.1	+4	-	0	b	33	92	5	-	-	-	-	-	-	-	-	-	-	-	*	
S. Farnborough ...	1017.7	+2	NNW	3	C	40	65	7	-	-	-	H.Cu	8	*	1020.8	+4	-	0	b	34	92	6	-	-	-	-	-	-	-	-	-	-	-	-	*
London (Kew Obs.) ...	1017.4	+1	H	2	bc3	39	65	6	-	-	-	H.Cu	6	*	1020.6	+5	SW	2	brn2	37	85	4	-	-	-	-	-	-	-	-	-	-	-	-	*
Croydon ...	1018.0	+7	NH	2	bc2f	39	75	4	-	-	-	G.Sr	3	*	1020.9	+4	NNW	2	cel	37	85	4	3,000	St. Cu	6	-	-	-	-	-	-	-	-	-	*
STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.																																			
STATIONS.	18H. G.M.T. OF 14 <sup>th</sup>											7H. G.M.T. OF 15 <sup>th</sup>											24 HOURS ENDED 7H. 15 <sup>th</sup>					Sunshine Hours.							
	BAROM. at M.S.L. mb.	TEMP. °F.	WIND. Direc.	Force 0-12.	Weather	BAROMETER.		TEMPERATURE.		WIND. Direc.	Force 0-12.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.		Sunshine Hours.																
						at M.S.L. mb.	Change in 3 hours.	TEMP. °F.	Change in 24 hours.						Discc.	Max. °F.	Min. °F.	Motion		Afternoon	Night														
Lerwick ...	1015.4	36	NNW	1	0	1017.9	-3	41	+6	SSW	4	-	09	3	-	42	31	b	bc	bc,og															
Stornoway ...	1016.5	38	-	0	C 3f	1013.7	-2	43	+9	S	6	-	09	5	-	43	32	b	bc	bc,og	3.1														
Castell Bay (Barra) ...	1017.0	42	SE	3	bc	1014.5	-1	47	+9	SSW	4	-	d		0.3	47	37	c,bc	bc	bc,od	4.3														
Malin Head ...	1016.3	37	SE	2	bif	1014.6	0	43	+1	SSW	3	-	0	3	-	44	35	bc	bc	o	5.9														
Blackhead ...	1016.6	46	S	2	C	1014.5	0	50	+9	SW	4	-	omd	4	3	51	48	bc	bc	omdom															
Roche's Point ...	1021.0	46	-	0	0	1022.1	0	50	+13	SW	3	-	0	3	03	50	35	o,b,tc	bcop	o,b,o															
Birr Castle ...	1013.5	39	S	1	C	1020.2		46	+13	S	2	-	0	*	-	47	32	bc	c	co	4.0														
Donaghadee ...	1019.4	34	NNW	1	brn	1020.4	+1	44	+8	WSW	1	-	bcu	1	-	45	34	bcv	bcu	bcu															
Liverpool (Blanton) ...	1020.5	39	N	1	b	1024.7	+1	54	-1	SE	3	-	0	2	0.2	44	32	psh,bc	bc,b	bm,x	4.4														
Holyhead ...	1020.3	42	NNW	4	b	1022.7	+1	44	+1	S	4	-	0	3	-	45	34	c,tc,c	bc,b	bx,b	5.5														
Pembroke (St. Mary's) ...	1021.8	42	N	1	bv	1024.5	0	48	+5	SSW	3	-	ov	2	0.1	48	40	bv,bv	bcv	bv,ovp	2.1														
Jersey (St. Aubin) ...	1022.0	49	N	3	C	1024.0	0	50	+6	SW	1	-	bc	3	-	50	44	b,tc	bc,c	cb,bbc	4.4														
Portland Bill ...	1022.1	44	N	3	b	1027.4	+1	45	+4	NE	3	-	0	3	1	46	40	bc,b	b	opo	6.7														
Dungeness ...	1018.6	43	NNW	3	bc	1028.6	+4	42	+6	E	4	-	0	4	0.4	45	35	b	bop,tc	bc,bo															
Wick ...	1019.5	36	N	1	bc	1026.3	13	33	-4	N	2	-	C	3	-	41	30	bc	bc	cb,box															
Nairn ...	1017.2	30	SW	2	bc	1016.9	-2	40	+5	SSW	5	-	cq	3	-	41	29	bcq	bc	bob															
Leith ...	1017.8	28	-	0	b	1017.6		33	-1	-	0	-	oug	1	-	36	25	bc	bc,b	bcog	2.1														
Tynemouth ...	1019.2	34	W	1	b	1021.8	0	33	-4	ESE	1	-	0	1	-	39	28	oc,bc	b	bz,br															
Spurn Head ...	1019.1	35	H	2	bcf	1024.6	+1	32	-2	WSW	2	-	bc3f	3	trace	38	31	cmps	bcu	bm,br															
Yarmouth ...	1017.6	37	NNW	4	brn	1026.4	+4	35	-2	NNW	4	-	bcu	3	0.1	38	31	by	bf,cm	bm,br															
Clacton-on-Sea ...	1018.2	38	NNW	2	C	1026.0	+2	33	-6	NNW	3	-	bcx,m	1	-	43	32	bcv,cm	cm	bm,br	6.0														
Nottingham ...	1019.0	38	NW	3	C	1026.8	+3	32	-3	NNW	1	-	omx	1	-	40	30	bcv,b	b,bc,c	bc,cm	6.3														
	1019.3	36	N	2	b	1027.2		28	-4	W	1	-	bm	*	trace	38	27	c,cm	cm	bm	0.3														

Information for these columns not usually required.

\* The barometric change is expressed in half millibars.

† For code see page 3

‡ See footnote p. 4.



GENERAL INFERENCE from observations received up to 9h.

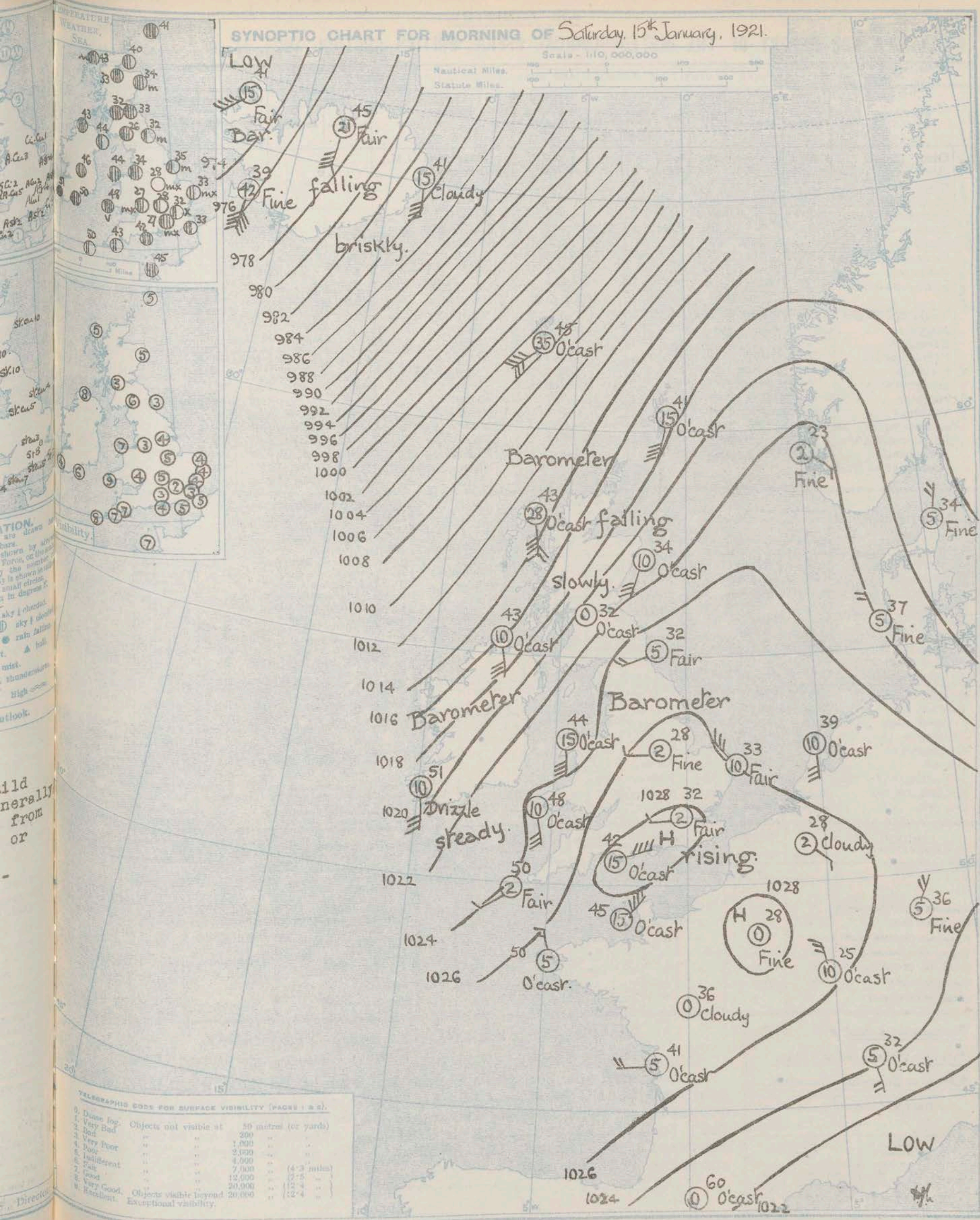
**EXPLANATION.**  
**BAROMETER.**—Isobars are drawn at intervals of two millibars.  
**WIND.**—Direction is shown by the line flying with the wind. Force, on the 0-12, is indicated by the number of feathers. Mean velocity is shown in feet per hour by figures in small circles.  
**TEMPERATURE** is given in degrees F.  
**WEATHER SYMBOLS.**—  
 ☉ sky clear. ☁ sky cloudy.  
 ☁☁ overcast sky. ☁☁☁ rain falling.  
 \* snow. ☄ mist.  
 ≡ fog. ≡ mist.  
 T thunder. F thunderstorm.  
**SEA DISTURBANCE.**—  
 Rough. High.

Rather mild  
weather generally  
with winds from  
South-West or  
South.



# SYNOPTIC CHART FOR MORNING OF Saturday, 15<sup>th</sup> January, 1921.

Scale - 1:10,000,000  
Nautical Miles. Statute Miles.





## AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1921. No. 15...

Saturday  
15th January

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

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.
	Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-1h.	Day. 9h-12h.	Sunrise to Sunset. 12h.		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-1h.	Day. 9h-12h.	Sunrise to Sunset. 12h.
Scotland.								England, N.W.							
Oban ...	b.b.c.c.	b.c.	42	29	-	-	5.0	Douglas (I.O.M.)							
Banff ...	o.c.b.c.	c.b.c.c.	40	28	0.3	-	0.6	Blackpool ...	c.b.	b.c.b	42	30	1	-	5.6
Montrose ...								Southport ...	c.b.c.	b.c.b	43	29	1	-	4.6
St. Andrews ...			40	30	-	-	5.4	Morecambe			41	27	2	-	6.0
England, N.E.								Midlands.							
Harrogate ...	b.c.s.p.b	b.b.c.b	38	28	-	0.2	2.4	Buxton ...							
Scarborough ...	os	or	42	31	-	2	0.0	Leamington Spa...	b.c.	b.c.	41	27	1	-	4.8
Skegness ...	m.b.c.u	o.b.c.b	38	30	-	-	2.0	Malvern ...							
England, E.								Bath ...	b.b.c.	b.b.c.c.o	43	29	2	-	3.1
Lowestoft ...								Rhyl ...	b.c.	b.c.	45	29	0.4	-	3.1
Felixstowe ...	b	cm	40	34	2	-	6.2	Colwyn Bay ...	*	*	44	31	1	-	2.6
Southend-on-Sea...	x.b	b.b.c.	41	32	2	-	6.6	Llandudno ...	c.c.b	b.c.c	45	30	1	-	3.2
England, S.E.								Aberystwyth ...	r.o.c	c.b.c	45	30	1	-	2.5
Tunbridge Wells	b	b.b.c.b	40	32	11	-	4.2	Tenby ...							
Margate ...	b.c.b	b.b.c.c	41	37	1	-	4.6	Swansea ...							
Ramsgate ...	*	*	40	35	6	-	5.2	England, S.W.							
Folkestone ...	b	b.c	41	35	8	-	6.1	Weymouth ...	b.b.c	b.c.p.b	46	33	-	0.3	5.4
Hastings ...	b	b.b.c.c	44	35	1	-	5.7	Teignmouth ...							
Eastbourne ...	b	b.b.c.c	41	35	2	-	6.0	Torquay ...	b.m	b.b.c.c	49	32	-	-	4.8
Brighton ...	b	b.c	41	35	-	-	5.7	Paignton ...	b.m.b.c	c.b.c	48	29	trace	-	4.9
Worthing ...	b.c	b.c	42	33	-	-	6.5	Penzance ...	b.b.c	b.c.p	51	36	-	1	4.8
Littlehampton ...	b	b.c.m	42	34	0.1	-	6.2	Newquay ...	b	o.p.b.c.o	47	40	-	1	3.6
Portsmouth (S. theca)	-	-	43	34	-	-	6.0	Bude ...	c.b.c	c.b.c.p.d	48	28	-	0.2	2.9
Bournemouth ...	*	*	45	33	-	-	5.7	Ilfracombe ...	b.b.c.c	o.p.c	47	32	-	1	1.0
Ventnor (I. of W.)	*	*						Weston-s-Mare ...	b.b.c	b.c	46	35	-	-	3.6

STATIONS.	SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.	THE BEAUFORT SCALE OF WIND FORCE. Used only for surface observations.			
	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	RAINFALL. †		Sun. Hours.					
	7h-12h.	12h-18h.	18h-1h.	1h-7h.				Day. 7h-18h.	Night. 18h-7h.						
Renfrew ...	b.c.c.b.c.c.	b.c.c.f.c.c.	b.c.f	b.c.c.f.R.S.	41	26	15	-	-	6.0	b blue sky (not more than a quarter covered).	Limits of Velocity at about 30 feet above ground.	No.	Statute miles per hour.	Metres per second.
Eskdalemuir ...	b.c.c	b.c.c.b	b.f	b.b.o	35	15	12	-	-	5.8	bc sky partly cloudy (one half covered).				
Valencia (Cahire'n)	c.c.p.b.c.c.	b.c.c.o	o.c.f	dd	51	35	3	1	3	2.1	c generally cloudy (three quarters covered).				
Baldonnel ...	b.c.c.f	b.c.c.	b.c.c.f	b.o.p.o	40	30	18	0.2	1.0	7.0	d drizzle, or fine rain.				
Didsbury ...	c.c.c.c.c.c.	b.c.c.c.c.c.	b.c.c.f	x.b.b.c.c.f	43	26	17	-	-	0.0	e wet air without rain falling.				
Ross on Wye...	b.b.c.c.c.	b.c.c.c.c.b	b.b.c.x	b.x.b.c.c.x	44	27	22	-	-	6.4	f fog.				
Falmouth ...	b.b.c.c.c.	c.o	c.o.b.c.c.	b.b.c.c	49	35	31	2	-	4.4	g gloom.				
Calshot (Hants)...	b.f	c.o.b.c.c.	b	b.f.c.c.f	43	31	28	-	-	6.0	h hail.				
Lymington (Folkestone)	c.c.g.b.b.c.c.	b.c.c.c.c.f	c.o.f.c.c.f	c.f.c.c.c.f	39	31	25	-	-	6.3	i lightning.				
Aberdeen ...	p.s.g	b.b.c.b	b.f	z.f.c.c.f	37	30	23	2	-	2.5	m mist.				
Howden ...	p.s.g	c.o.c.c.f	-	b.o.p.	38	25	18	0.2	-	1.6	n overcast sky.				
Cranwell (Lincoln)	s.c.c.o	p.s.c.c.o	b.x.f	b.b.c	37	28	25	0.2	-	1.6	o passing showers.				
Felixstowe ...	b.	b.c.c.p.o	p.o.b.c.c	c.o.f	42	31	31	-	-	6.3	p squalls.				
Shoeburyness ...	b.b.c	b.c.c.p.o	z.f.x	z.f.x	41	31	26	0.2	-	6.7	q rain.				
Benson ...	b.b.c.c	b	b.b.c	b.b.c.x	46	26	21	-	-	*	rs sleet, i.e., rain and snow together.				
S. Farnborough ...	b.b.c	b.c.c.b.b.b.c	b.b.c	b.c.c.c.o	41	25	21	-	-	5.4	s snow.				
London (Kew Obs.)	f.f.b.z.f	z.f.b.c.c.f	b.x.z	b.x.b.c.c.f	41	31	23	trace	-	4.1	t thunder.				
Croydon ...	b.c.c.f	b.c.c.f	b.c.c.f	b.x.z	40	30	23	-	-	*	u ugly, threatening sky.				

Capital letters indicate intensity, and repetition of letters continuity, thus:-  
R = heavy rain.  
rr = continuous moderate rain.  
r,r = 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.  
e wet air without rain falling.  
f fog.  
h hail.  
i lightning.  
m mist.  
o overcast sky.  
p passing showers.  
q squalls.  
r rain.  
rs sleet, i.e., rain and snow together.  
s snow.  
t thunder.  
u ugly, threatening sky.  
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.

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

Less than 0.8  
0.8-1.5  
1.6-2.8  
3.4-6.4  
6.5-7.9  
8.0-10.7  
10.8-13.6  
13.7-17.1  
17.2-20.7  
20.8-24.6  
24.5-28.4  
28.5-38.6  
38.6 or above

Solar halo ☉  
Aurora ☆  
Rime ⚡  
Lunar halo ☾  
Solar corona ☼  
Lunar corona ☾  
Snow lying ❄

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.				
	Morning.	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.		Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.	
	24 HOURS ENDED 15 <sup>th</sup> G.M.T. ....								YESTERDAY.	TO-DAY.						
Greenwich (Royal Observatory)	b	bco	bxo bco	39	29	28	-	2.1	76	88	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	15 <sup>th</sup> & 16 <sup>th</sup> January ..... 1921	Yarmouth...	7.59 7.58	12.22 12.13	4.57 4.7
City (Bunhill Row) ...	*	*	*	*	*	*	*	1.0	*	*	Total 246					
Westminster (St. James's Park)	*	*	*	42	31	28	0.2	1.3	69	89	... Joules.	Wick	8.53 8.52	12.21 12.22	3.60 3.58	
Regent's Park (Botanical Garden)	*	*	*	*	*	*	*	4.1	*	*	Milliwatts.					Valencia
Camden Sq. (British Rainfall)	b	bcm	*	40	28	24	-	*	75	87	Average Rate. 8.3					
Kensington Palace ...	b	obcc	*	41	31	25	-	*	79 (18h)	94	Maximum Rate. 19					
Hampstead Observatory ...	*	*	*	41	30	22	-	3.8	*	90						

Photographic Record of  
Pole Star (Polaris) and of 3 Ursae  
Minoris at Greenwich Observatory.

Exposure from 14.17h. to 15.7h.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	13 45	9 10	67
3 Ursae Minoris	13 45	4 27	34

## NOTES ON THE WEATHER OF YESTERDAY.

Temperature remained below 45° except on some parts of the West and South Coasts, and below 40° over a wide area. Frost occurred at most places at night; at Eskdalemuir the thermometer fell to 15°. Slight sleet or snow was experienced in various parts of the Kingdom, but generally the day was bright and the sunshine records high.

\* Information for these columns not usually received.

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





## AIR MINISTRY.

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

BRITISH SECTION.

No. 821,605

SUNDAY, 16<sup>th</sup> JANUARY, 1921.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 12H.																															
STATIONS.	Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-2.	Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Weather.	Temp. °F.	Humidity. %	Visibility. 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-2.			
			Direc.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				Direc.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.		Form.	Amt. 0-10.	
			12H. G.M.T. OF 15 <sup>th</sup>														12H. G.M.T. OF 15 <sup>th</sup>														
Renfrew ...	1022.7	0	NNW	1	od.	36	97	2	750	St	10	-	-	*	1022.5	0	-	0	od.	39	97	2	750	St	10	-	-	*	*		
Eskdalemuir ...	1024.8	0	-	0	om.	32	97	5	1250	St	10	-	-	*	1025.2	0	SSW	2	om.	34	97	3	750	St	10	-	-	*	*		
Valencia (Cahire'n)	1019.6	0	S	4	od.	52	97	4	4500	St	10	-	-	*	1021.1	+2	S	4	od.	52	97	4	4500	St	10	-	-	*	*		
Baldonnell ...	1021.1	0	SSW	5	od.	51	85	8	2,000	St	9	Ast	1	*	1021.6	0	SW	5	od.	51	85	8	3,000	St	9	Ast	1	*	*		
Manchester (Alex'PR)	1026.1	+1	SE	2	od.	40	75	3	-	-	-	Ast	10	*	1027.7	+1	-	0	bczf	36	85	2	1250	St	3	Ast	2	*	*		
Ross on Wye ...	1027.5	0	-	0	od.	39	85	5	-	-	-	Ast	10	*	1028.5	+1	SSW	3	om.	41	85	5	3,000	St	3	Ast	6	*	*		
Falmouth ...	1026.9	0	SSE	2	od.	48	97	3	-	Nb	10	-	-	*	1028.1	+2	SSE	2	oe	49	92	6	-	CuN	9	-	-	*	*		
Calshot (Hants) ...	1029.5	+1	ENE	2	bczf	42	85	3	-	-	-	Ast	4	1	1031.0	+2	ENE	3	od.	41	92	3	-	-	-	Ast	10	2	*	*	
Lympe (Folkestone)	1029.4	+3	S	1	bczf	41	85	5	-	-	-	Ast	3	*	1031.2	+2	-	0	bczf	38	85	4	-	-	-	-	-	-	*	*	
Aberdeen ...	1021.0	-1	SSW	4	bczf	39	85	4	-	-	-	Ast	6	3	1028.5	-1	SSW	4	bczf	39	97	4	5,700	St	8	-	-	3	*	*	
Howden ...	1027.2	-2	S	3	od.	36	85	2	2,000	St	6	Ast	2	*	1029.9	+2	S	3	bczf	38	92	2	4,200	St	2	-	-	*	*		
Cranwell (Lincs) ...	1028.3	+2	SSW	1	b	40	75	5	-	-	-	Ast	3	*	1029.6	+1	SSW	1	b	30	97	5	3,000	St	1	-	-	*	*		
Felixstowe ...	1029.4	+1	-	0	bczf	41	75	4	-	-	-	Ast	5	0	1031.6	+1	-	0	bczf	38	92	5	-	-	-	-	-	0	*	*	
Shoeburyness ...	1029.9	+1	SW	1	bczf	41	75	3	-	-	-	Cu	3	*	1030.9	+2	-	0	bczf	34	85	3	-	-	-	-	-	-	*	*	
Benson ...	1028.9	+1	SW	1	b	41	75	6	-	-	-	-	-	*	1030.3	+1	S	1	bc	35	92	5	-	Cu	5	-	-	-	*	*	
S. Farnborough ...	1029.4	+1	S	1	bczf	39	85	3	3,000	St	2	-	-	*	1031.0	+2	SSE	2	bczf	30	97	4	-	-	-	-	-	-	*	*	
London (Kew Obs.)	1029.6	+1	-	0	bczf	39	75	2	-	-	-	Ast	2	*	1031.2	+2	-	0	bczf	33	97	1	-	-	-	-	-	-	*	*	
Croydon ...	1029.6	+2	-	0	bczf	39	85	3	-	-	-	Ast	3	*	1031.6	+2	S	3	bczf	34	85	3	-	-	-	-	-	-	*	*	
1H. G.M.T. OF 15 <sup>th</sup>													7H. G.M.T. OF 15 <sup>th</sup>																		
Renfrew ...	1027.2	-2	SSW	4	od.	48	97	5	-	St	10	-	-	*	1028.5	-2	SSW	5	od.	50	97	5	1250	St	10	-	-	*	*		
Eskdalemuir ...	1024.6	-1	SSW	5	om.	42	97	5	-	St	10	-	-	*	1028.4	0	SSW	5	od.	44	97	5	-	Nb	10	-	-	*	*		
Valencia (Cahire'n)	1022.7	0	S	3	od.	52	97	4	-	-	-	-	-	*	1027.1	+4	SW	1	c	49	92	7	4,100	St	7	-	-	*	*		
Baldonnell ...	1023.9	+2	SW	4	od.	52	85	8	2,000	St	8	Ast	1	*	1024.5	+2	SSW	5	bczf	52	85	8	2,000	St	8	-	-	*	*		
Manchester (Alex'PR)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1028.7	0	S	4	od.	48	92	5	1250	St	10	-	-	*	*		
Ross on Wye ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1031.0	0	SW	2	od.	42	85	6	2,000	St	10	-	-	*	*		
Falmouth ...	1029.7	0	S	2	od.	50	97	7	-	Nb	10	-	-	*	1031.3	+1	S	2	od.	50	97	4	-	Nb	10	-	-	*	*		
Calshot (Hants) ...	1023.5	+2	S	2	bczf	36	92	2	-	-	-	-	-	1	1036.2	+2	SE	3	bczf	44	85	6	4,200	St	3	-	-	1	*	*	
Lympe (Folkestone)	1024.5	-2	-	0	bczf	36	85	5	-	-	-	-	-	*	1035.6	-1	SSW	3	bczf	36	97	6	2,000	St	1	-	-	1	*	*	
Aberdeen ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1019.1	-2	SSW	4	od.	46	97	5	4,200	St	10	-	-	3	*	*	
Howden ...	1029.7	0	S	4	od.	34	97	4	3,000	St	10	-	-	*	1029.4	0	S	4	od.	36	97	4	2,000	St	5	Ast	3	*	*		
Cranwell (Lincs) ...	1021.4	+1	SSW	2	b	32	97	5	-	-	-	-	-	*	1031.3	0	S	2	b	34	97	5	-	-	-	Ast	1	*	*		
Felixstowe ...	1024.6	+2	S	3	bczf	39	92	5	-	-	-	-	-	1	1034.9	+1	S	3	bczf	39	92	5	-	-	-	Ast	1	1	*	*	
Shoeburyness ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1034.6	+1	-	0	b	31	75	6	-	-	-	Cu	1	1	*	*	
Benson ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1033.1	0	SSW	2	b	35	92	6	-	-	-	-	-	-	-	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1034.0	+1	-	0	bczf	28	97	4	-	-	-	-	-	-	-	*	*
London (Kew Obs.)	1023.7	+2	*	*	*	29	92	3	*	*	*	*	*	*	1034.4	+1	-	0	od.	4	27	92	0	3,000	St	10	-	-	*	*	
Croydon ...	1024.6	+1	S	2	bczf	38	92	3	-	-	-	-	-	*	1034.9	+1	SSW	3	bczf	36	92	4	-	-	-	-	-	-	-	*	*
STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.																															
STATIONS.	Barom. at M.S.L. mb.	Temp. °F.	WIND.		Weather.	BAROMETEK.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-2.	Rainfall mm.	TEMP.			WEATHER.			Sunshine Hours.									
			Direc.	Force 0-12.		at M.S.L. mb.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning	Afternoon	Night											
12H. G.M.T. OF 15 <sup>th</sup>											7H. G.M.T. OF 15 <sup>th</sup>											24 HOURS ENDED 7H. 15 <sup>th</sup>									
Lerwick ...	1014.6	45	S	5	omg	1009.7	-4	49	+8	SSW	5	-	omg	4	4	50	41	omg	omg	omg	omg	omg	0.0								
Stornoway ...	1013.7	48	S	6	odg	1014.6	+6	47	+4	WSW	5	-	odg	4	4	50	43	odg	odg	odg	odg	odg	0.0								
Castlebay (Barrels)	1015.6	50	S	4	d	1018.4	+4	48	?	NNW	4	-	d	4	3	57	47	d	d	d	d	d	0.0								
Malin Head ...	1015.7	49	SSW	3	om	1020.0	+3	45	+5	SSW	2	SW	om	3	-	52	49	o	o	om.o	om	0.0									
Blackod Point ...	1015.7	50	SW	3	om	1021.2	+7	49	?	W	2	-	bc	2	2	52	45	omd	omd	omd	omd	omd	0.0								
Roche's Point ...	1023.4	50	SSW	23	+	1027.3	+2	51	+1	SSW	4	-	r	4	3	57	50	ofd	ofd	ofd	ofd	ofd	0.0								
Birr Castle ...	1020.7	51	SSE	1	o	1025.1	0	51	+5	SW	2	-	r	4	1	52	46	o	o	o	o	o	0.0								
Donaghadee ...	1021.7	49	SW	2	om	1024.0	0	49	+5	SW	1	-	bc	1	0.4	51	43	omg	omg	omg	omg	omg	0.0								
Liverpool (Bidston)	1026.5	41	SE	4	o	1027.7	0	44	+10	SE	3	S	o	3	-	44	34	om	om	om	om	om	0.0								
Holyhead ...	1024.5	47	S	5	2fe	1026.2	0	44	+5	SSW	5	-	3fe	4	1	49	43	o.cog	op.dem	op.dem	op.dem	op.dem	0.0								
Pembroke (St. Ann's Head)	1026.6	48	S	3	o	1029.0	+1	49	+1	S	3	-	0fe	3	1	49	47	odm	om	at.ofe	at.ofe	at.ofe	0.0								
Scilly (St. Mary's)	1026.2	51	SSE	2	3fe	1030.1	+2	51	+2	SW	2	-	0.4.5f	3	3	53	51	off.bc	ofd	frod.d	frod.d	frod.d	0.5								
Jersey (St. Aubin)	1030.0	48	E	3	o	1034.4	+1	39	-6	SE	4	SE	c	3	-	49	39	o.bc.c	c.o	sem.o.bc	sem.o.bc	sem.o.bc	3.7								
Portland Bill ...	1029.8	45	ESE	3	bc	1032.7	+4	46	+4	S	5	S	o	5	-	47	43	o.c	c.bc	bc.o	bc.o	bc.o	0.0								
Dungeness ...	1030.4	41	SSE	1	b	1034.4	+1	41	+8	SSE	3	-	b	2	-	44	32	bcz	c.bz	b.bz	b.bz	b.bz	0.0								
Wick ...	1014.6	45	SW	4	odg</																										



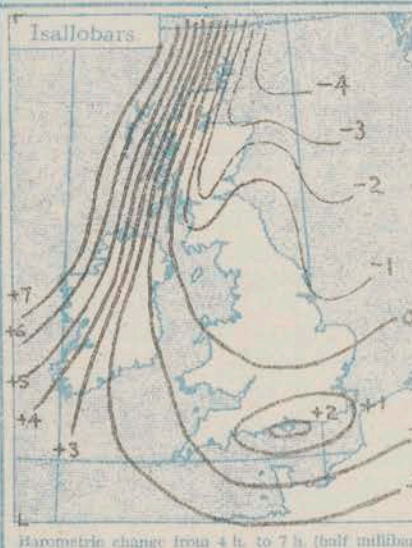
## SUMMARY OF CONDITIONS AT 7 h.G.M.T. 16.1.1921.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Fine, misty, some inland (frost & fog)	Indiff.	Slight
2. E. England	Fine, local mist & frost.	Fair	Smooth
3. E. Midlands	Variable sky.	Indiff.	-
4. W. Midlands	Dull, local mist.	"	-
5. S.W. England	Dull, local rain & fog.	Poor	Mod.
6. South Wales	Dull, local fog.	V. Poor	Slight
7. North Wales	Dull, misty.	Poor	Mod.
8. N.W. England	Dull, local mist.	"	Slight
9. N. Midlands	Cloudy or dull, misty.	"	-
10. N.E. England	Fine to cloudy, misty.	"	Smooth
11. E. Scotland	Var. sky, local mist & squalls	Indiff.	Slight
12. S.W. Scotland	Dull, misty, rainy.	Poor	Mod.
13. Isle of Man	Fair, misty.	-	Slight
14. N. & N.W. Scotland	Cloudy or dull, local squalls.	Fair	Mod.
15. Hebrides	Cloudy or dull, local squalls.	"	"
16. Orkneys and Shetlands	Dull, squally, local mist.	Indiff.	"
17. N.W. Ireland	Fair or cloudy, local mist.	Good	Slight
18. N.E. Ireland	Fair or cloudy, misty.	Fair	Smooth
19. S.E. Ireland	Mainly dull, some rain.	Poor	Slight
20. S.W. Ireland	Cloudy or dull, local rain.	Var.	Mod.

## Temperature reported from Coastal and Cross Channel Steamers

Position Number	Date	Time G.M.T.	Sea °F	Air °F
5	15 <sup>th</sup>	0530	47	46
12	15 <sup>th</sup>	0515	47	44
3	15 <sup>th</sup>	1020	50	49
4A	16 <sup>th</sup>	0530	46	49

## CHART OF POSITION NUMBERS and Upper Cloud



## Lower Cloud.



GENERAL INFERENCE from observations received up to 9h.

The present tendency is for an anticyclone to develop to Westward or South-Westward of Ireland and for the depression over Iceland to move North-East. This should lead to fair weather generally in the South during the next day or two, but in the North some more rain is likely.

**EXPLANATION.**  
**BAROMETER.**—Isobars are drawn at intervals of two millibars.  
**WIND.**—Direction is shown by arrow flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.  
**TEMPERATURE** is given in degrees.  
**WEATHER SYMBOLS.**  
 ☉ clear sky. ☁ sky & clouded. ☂ sky & clouded. ☔ rain falling. ☕ overcast sky. ☎ rain falling. \* snow. \* sleet. \* hail. ☼ fog. ☼ mist. ☼ thunder. ☼ thunderstorm.  
**SEA DISTURBANCE.**—Rough. High.

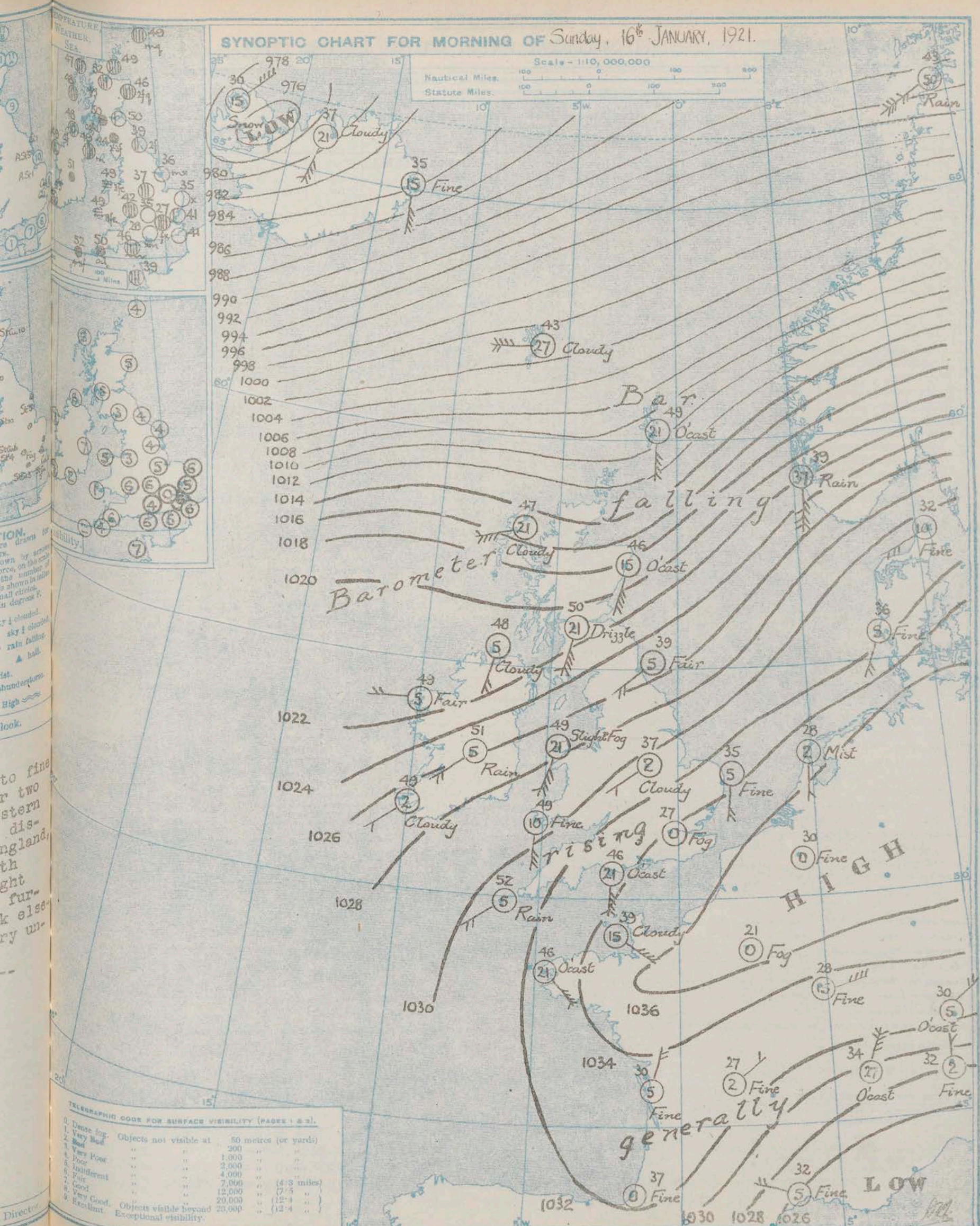
Districts.	Forecasts for the 24 hours commencing 15 h.G.M.T. Sunday, 16th January, 1921.
1. S.E. England	Light breezes; mainly from S. or S.W.; fair to fine, some mist or fog and frost at night, but mild, with fairly good visibility, during the day.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Moderate S.W. to W. wind; cloudy to fair, local showers at first; visibility improving; mild.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	Same as 1 - 3.
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	Moderate S.W. to W. wind; fair to dull, occasional rain, visibility improving; mild.
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	Same as 4 - 9.
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

**Further Outlook.**  
 Fair to fine for a day or two over the Eastern and Midland districts of England, probably with frost at night inland. The further outlook elsewhere is very uncertain.



# SYNOPTIC CHART FOR MORNING OF Sunday, 16<sup>th</sup> JANUARY, 1921.

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



## TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGE 1 & 2).

	Objects not visible at	50 metres (or yards)
0. Dense fog.	"	200
1. Very bad.	"	1,000
2. Bad.	"	2,000
3. Very poor.	"	4,000
4. Poor.	"	7,000
5. Indifferent.	"	12,000
6. Fair.	"	20,000
7. Good.	"	20,000
8. Very good.	"	20,000
9. Excellent.	Objects visible beyond	20,000
	Exceptional visibility.	



## AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1921. No. 15...

Sunday

15<sup>th</sup> JANUARYWEATHER, TEMPERATURE RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 15<sup>th</sup>

STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night.	Day.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night.	Day.	Sunrise to Sunset.	
						12h-15h.	15h-18h.							12h-15h.	15h-18h.		12h-15h.
Scotland.	Oban ... ..	od	od	46	30	-	-	0.0	England, N.W.	Douglas (I.O.M.)							
	Banff ... ..	c.b.c	c.o	42	27	-	-	0.5		Blackpool ... ..							0.0
	Montrose ... ..									Southport ... ..	o	o.c.o	39	30	-	-	
	St. Andrews ...									MORECAMBE							
England, N.E.	Harrogate ... ..	m.b.c	b2	39	28	-	-	1.6	Midlands.	Buxton ... ..							
	Scarborough ...									Leamington Spa...							
	Skegness ... ..									Malvern ... ..							
	Lowestoft ... ..									Bath ... ..	c.b.c	bc.cm	41	27	-	-	0.3
England, E.	Felixstowe ... ..	cm	b	45	30	-	-	4.3	Wales.	Rhyl ... ..							
	Southend-on-Sea...	x.c.b.c	bc.b	44	31	-	-	2.9		Colwyn Bay ... ..							0.0
										Llandudno ... ..	*	*	48	32	-	-	0.0
										Aberystwyth ...	a.c	c.o	47	33	-	-	
England, S.E.	Tunbridge Wells	x.o.c.b.c	b	42	29	-	-	3.4	England, S.W.	Tenby ... ..							
	Margate ... ..	o	c.b	43	36	1	-	0.9		Swansea ... ..							
	Ramsgate ... ..	*	*	39	33	2	-	1.7		Weymouth ... ..	c	c.b.c	47	33	-	-	0.3
	Folkestone ... ..									Teignmouth ...							
	Hastings ... ..	c.b.c	c.b.c	41	32	-	-	3.2	Torquay ... ..	c	c	50	37	-	-	0.0	
	Eastbourne ... ..	a.c.b.c	bc	44	33	-	-	3.0	Paignton ... ..	c.f.o	o	50	48	-	-	0.1	
	Brighton ... ..								Penzance ... ..	o.f.d	od	51	42	2	!	0.0	
	Worthing ... ..	c.b.c	bm	40	30	-	-	4.0	Newquay ... ..								
	Littlehampton ...	b.b.c	bcu	42	31	-	-	4.0	Bude ... ..	o	o	50	35	0.2	-	0.4	
	Portsmouth (Sithaea)	*	*	42	33	-	-	3.8	Ilfracombe ... ..	c.b.c	bc.c.o	48	39	-	-	0.9	
	Bournemouth ...	*	*	43	31	-	-	0.2	Weston-s-Mare ...								
	Ventnor (I. of W.)	*	*														

## SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL. †		Sun. Hours.
	7h-12h <sup>15</sup>	12h-18h <sup>15</sup>	18h-12h <sup>15</sup>	12h-7h <sup>15</sup>				Day. 7h-12h	Night. 12h-7h	
Renfrew ...	o 03 f d d	o 03 f d d	o 03 f d d	o 03 f d d	51	32	37	mm.	mm.	0.0
Eskdalemuir ...	o	o 03 f d d	o 03 f d d	o 03 f d d	44	26	33	0.4	1	0.0
Valencia (Cahire'nj) ...	d d o 2 f	h d o 2 f	o	d d o 2 f	43	48	46	2	1	0.0
Baldonnel ...	o 03 f d d	o 03 f d d	o 03 f d d	o 03 f d d	53	46	47	-	-	0.0
Manchester (Alex. Pk) ...	o 03 f d d	b b c 3 f	b b c 3 f	b b c 3 f	43	29	24	Trace	1	0.0
Ross on Wye...	c o 2 f	o 03 f d d	c o 2 f	o 03 f d d	43	27	33	-	-	0.0
Falmouth ...	b b c 3 f	d d o 2 f	o	d d o 2 f	50	41	46	2	2	0.0
Calshot (Hants)...	b b c 3 f	b b c 3 f	b b c 3 f	b b c 3 f	45	34	33	-	-	3.5
Lymington (Folkestone) ...	o 03 f d d	b b c 3 f	b b c 3 f	b b c 3 f	42	31	25	-	-	4.0
Aberdeen ...	o 03 f d d	2 f e	2 f e	2 f e	47	34	37	-	0.3	0.9
Howden ...	b c c 3 f	b c c 3 f	b c c 3 f	b c c 3 f	44	29	28	-	-	1.7
Cranwell (Lincs) ...	b c c 3 f	b c c 3 f	b c c 3 f	b c c 3 f	41	29	28	Trace	-	3.9
Felixstowe ...	2 f b c c	2 f b c c	2 f b c c	2 f b c c	45	32	21	-	-	4.3
Shoeburyness ...	b b c 3 f	3 f e	3 f e	3 f e	45	30	20	0.1	-	4.4
Benson ...	b	b c c	b	b	44	26	23	-	-	3.5
S. Farnborough ...	b c c 3 f	b c c 3 f	b c c 3 f	b c c 3 f	44	26	23	-	-	3.5
London (Kew Obs.) ...	b b c 3 f	b b c 3 f	b b c 3 f	b b c 3 f	40	26	21	Trace	-	2.6
Croydon ...	c o 2 f	b b c 3 f	b b c 3 f	b b c 3 f	42	29	25	-	-	4.0

## BEAUFORT NOTATION.

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.  
 e wet air without rain falling.  
 f fog.  
 h hail.  
 m mist.  
 p passing showers.  
 q squalls.  
 rs sleet, i.e., rain and snow together.  
 s snow.  
 u ugly, threatening sky.  
 v unusual visibility.  
 w dew.  
 y dry air; humidity less than 60 per cent.  
 z dust haze; the turbid atmosphere of dry weather.

Capital letters indicate intensity, and repetition of letters continuity, thus:-  
 R = heavy rain.  
 rc = continuous moderate rain.  
 r.r. = continuous light rain.

## THE BEAUFORT SCALE OF WIND FORCE.

Used only for surface observations.

Limits of Velocity at about 30 feet above ground.

No. Statute miles per hour. Metres per second.

No.	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.8
1	1-3	0.8-1.5
2	4-7	1.6-2.5
3	8-12	2.6-3.3
4	13-18	3.4-5.0
5	19-24	5.1-6.7
6	25-31	6.8-8.5
7	32-38	8.6-10.7
8	39-46	10.8-12.8
9	47-54	12.9-14.9
10	55-63	15.0-17.7
11	64-75	17.8-20.8
12	Above 76	20.9 or above

## SYMBOLS—

Solar halo ☉  
 Aurora ☀ Rime ❄ Lunar halo ☾  
 Glazed frost ~ Solar corona ☼  
 Glazed roads ~ Lunar corona ☾  
 Line Squall ☁ Snow lying ❄

## LONDON OBSERVATIONS.

	WEATHER.				Max. Temp. F.	Min. Temp. F.	Min. on Grass F.	Rain-fall. mm.	Sun-shine to Sunset. Hours.	HUMIDITY %						
	Morning.	Afternoon.	Night.							15 h. G.M.T.	9 h. G.M.T.					
24 HOURS ENDED 9H G.M.T. 15 <sup>th</sup>												YESTERDAY.	TO-DAY.			
Greenwich (Royal Observatory)	o3	o3 bc. 6m	bx		40	29	21	-	2.0	98	83					
City (Bunhill Row) ... ..	*	*	*		*	*	*	*	*	*	*					
Westminster (St. James's Park)	*	*	*		*	*	*	*	*	*	*					
Regent's Park (Botanical Garden)	*	*	*		*	*	*	*	00	*	*					
Camden Sq. (British Rainfall)	m.p. com	f	*		37	28	22	-	*	84	91					
Kensington Palace ... ..	cf	of	*		39	31	24	-	*	67 (18h)	93					
Hampstead Observatory ...	*	*	*		*	*	*	*	*	*	*					

## SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ... Joules.

Average Rate.

Maximum Rate.

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

15<sup>th</sup> AND 17<sup>th</sup> JANUARY, 1921.

Stations. Sunrise. Noon. Sunset.

G.M.T. G.M.T. G.M.T.

Yarmouth ... { 7.58 12.3 4.7

Greenwich { 7.57 12.3 4.7

Wick ... { 8.52 12.22 3.52

Valencia ... { 8.42 12.51 4.50

## Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minors at Greenwich Observatory.

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

to ... h. ... m.

Steps. Duration of Exposure. Duration of Record.

h. m. h. m. %

Polaris

8 Ursae

Minors.

## NOTES ON THE WEATHER OF YESTERDAY.

There was for the most part very little rain except on our extreme Western Coasts and in the Shetlands, but at Eskdalemuir the total was 10 mm.

Frost occurred locally at night, the minimum falling to 25 at Farnborough and 26° at Eskdalemuir and Kew.

From three to four hours of bright sunshine were experienced in parts of Eastern England. In London there was dense fog in places at night.



## AIR MINISTRY.

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

BRITISH SECTION.

No. B.24606

MONDAY...19<sup>th</sup> JANUARY.....1921.

## OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 12H.

STATIONS.	BAROM.	Change in 3 hours.	WIND.		TEMP. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea.	BAROM.	Change in 3 hours.	WIND.		TEMP. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea.																							
	at M.S.L. mb.		Dirac.	Force 0-12.					Weather.	at M.S.L. mb.	Dirac.	Force 0-12.		Weather.		at M.S.L. mb.	Dirac.					Force 0-12.	Weather.																										
	M.S.L. mb.		Dirac.	Force 0-12.					Weather.	M.S.L. mb.	Dirac.	Force 0-12.		Weather.		M.S.L. mb.	Dirac.					Force 0-12.	Weather.	M.S.L. mb.	Dirac.		Force 0-12.	Weather.																					
13H. G.M.T. 16 <sup>th</sup>																									13H. G.M.T. OF 16 <sup>th</sup>																								
Renfrew ...	1021.2	0	SW	4	od	49	91	6	1250	Nb	10	-	-	1020.9	-3	WSW	4	b	44	85	7	3000	Sc	3	-	-	-	-																					
Eskdalemuir ...	1022.8	-2	SW	4	odm	47	97	4	750	Nb	10	-	-	1022.1	-2	SW	4	o	45	92	7	-	Sc	3	AC	7	-	-	-																				
Valencia (Cahire)	1029.0	0	W	2	c	50	98	8	2000	Sc	1	AC	7	1028.1	-1	S	3	c	45	92	7	2000	Sc	7	-	-	-	3																					
Baldonnell ...	1027.7	0	WSW	5	o	52	95	8	2200	Sc	2	AC	7	1025.8	-2	W	2	c	48	85	8	4200	Sc	4	AC	3	-	-																					
Manchester (Alb. Pk.)	1028.0	-3	S	5	odf	48	85	4	400	Sc	1	AC	3	1026.2	-1	SW	4	odm	48	97	3	750	Nb	10	-	-	-	-																					
Koss on Wye ...	1020.8	-1	SSW	3	odm	46	97	4	700	Sc	10	-	-	1020.1	-2	WSW	3	odm	49	97	5	1250	Nb	10	-	-	-	-																					
Falmouth ...	1031.3	-3	SSW	3	odf	51	97	4	-	Nb	10	-	-	1031.1	-1	SSW	5	odf	51	97	5	-	Nb	10	-	-	-	-																					
Calshot (Hants) ...	1034.3	0	SSW	4	bc	47	95	7	3000	Sc	3	AC	7	1032.7	-2	SSW	4	odf	45	85	7	2000	Sc	10	-	-	-	2																					
Lympne (Folkestone)	1035.3	0	S	4	bcv	43	65	9	-	-	-	AC	3	1033.5	-2	SSW	3	b	37	75	8	-	-	-	AC	2	-	-																					
Aberdeen ...	1019.0	-1	SSW	2	odf	50	85	3	-	-	-	AC	8	1018.6	-1	SW	2	b	43	85	3	-	-	-	-	-	-	3																					
Howden ...	1028.0	-4	SSW	4	odf	41	91	3	2000	Sc	4	AC	3	1026.4	-2	SSW	3	odf	45	92	4	2000	Sc	6	AS	4	-	-																					
Cranwell (Lincs) ...	1030.3	-2	SSW	4	odf	43	97	5	2000	Sc	9	AC	7	1028.4	-2	SSW	3	odf	46	97	5	2000	Sc	10	-	-	-	-																					
Felixstowe ...	1034.8	-2	S	4	bif	43	85	6	-	-	-	-	-	1032.5	-2	S	4	bcv	41	85	7	-	-	-	AC	5	2	-	-																				
Shoeburyness ...	1034.8	0	SSW	2	bif	45	95	6	-	-	-	AC	3	1032.4	-3	SW	3	c	40	65	6	-	-	-	AC	7	-	-																					
Benson ...	1035.1	0	S	3	o	44	85	6	-	-	-	AC	10	1030.5	-1	S	4	o	43	92	5	-	Sc	10	-	-	-	-																					
S. Farnborough ...	1034.3	-1	SSW	4	odf	44	95	6	-	-	-	AC	7	1032.1	-2	S	2	odf	42	85	5	2000	Sc	10	-	-	-	-																					
London (New Obs.)	1034.4	-3	SW	4	bif	44	85	4	-	-	-	AC	2	1032.1	-2	SSW	3	odf	42	75	4	4200	Sc	10	-	-	-	-																					
Croydon ...	1034.4	-2	SW	4	bif	44	75	6	-	-	-	AC	2	1031.5	-4	SSW	4	odf	41	75	5	-	-	-	AC	10	-	-																					
1H. G.M.T. OF 17 <sup>th</sup>																									7H. G.M.T. OF 17 <sup>th</sup>																								
Renfrew ...	1010.9	-12	SSW	6	odf	45	85	6	1250	Nb	10	-	-	998.0	-10	SW	7	odf	43	92	7	1250	Sc	10	-	-	-	-																					
Eskdalemuir ...	1012.8	-8	SW	6	o	41	85	6	-	Sc	9	-	-	1002.5	-13	SW	8	odf	43	92	4	2000	Nb	10	-	-	-	-																					
Valencia (Cahire)	1020.6	-5	SSW	6	bcv	48	-	-	-	-	-	-	-	1015.6	-5	SW	6	odf	51	92	6	1250	Sc	10	-	-	-	-																					
Baldonnell ...	1017.4	-10	SW	5	o	44	75	8	2000	Sc	9	-	-	1009.4	-8	SSW	5	odf	46	85	6	1250	Sc	10	-	-	-	-																					
Manchester (Alb. Pk.)	-	-	-	-	-	-	-	-	-	-	-	-	-	1011.9	-7	SW	4	odf	46	85	3	1250	Nb	10	-	-	-	-																					
Koss on Wye ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1018.0	-5	W	5	odf	48	75	8	2000	Sc	9	AS	1	-	-																					
Falmouth ...	1026.5	-5	SW	4	odf	50	97	4	-	Nb	10	-	-	1023.0	-3	WSW	3	o	47	97	8	-	Sc	10	-	-	-	-																					
Calshot (Hants) ...	1027.3	-4	SSW	5	od	46	97	2	2500	Nb	10	-	-	1020.4	-5	SSW	5	od	49	97	5	2500	Nb	10	-	-	-	3																					
Lympne (Folkestone)	1028.3	-6	SW	3	odf	41	85	6	4200	Sc	10	-	-	1024.0	-4	SSW	5	odf	42	97	2	4500	Sc	10	-	-	-	-																					
Aberdeen ...	-	-	-	-	-	-	-	-	-	-	-	-	-	994.0	-10	SW	5	bcv	43	85	5	1250	Sc	4	-	-	-	3																					
Howden ...	1019.4	-8	SSW	3	b	46	97	4	3000	Sc	3	-	-	1010.1	-7	SW	6	odf	46	75	4	2000	Sc	6	AS	4	-	-																					
Cranwell (Lincs) ...	1022.3	-7	SSW	4	odf	47	97	5	1250	Sc	10	-	-	1014.8	-7	SW	5	odf	49	92	7	1250	Sc	10	-	-	-	-																					
Felixstowe ...	1026.8	-6	SSW	5	o	42	92	7	4200	Sc	10	-	-	1019.8	-8	SSW	5	o	44	97	7	3000	Sc	10	-	-	-	4																					
Shoeburyness ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1019.8	-6	SW	6	c	46	92	6	3000	Sc	8	-	-	-	-																					
Benson ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1017.2	-8	SSW	4	o	48	92	6	-	Sc	10	-	-	-	-																					
S. Farnborough ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1019.6	-8	SSW	5	odm	48	97	4	750	Nb	10	-	-	-	-																					
London (New Obs.)	1026.6	-5	-	-	-	43	-	-	-	-	-	-	-	1019.1	-7	SSW	4	odm	48	97	4	750	Nb	8	AS	2	-	-																					
Croydon ...	1027.1	-6	SW	5	odf	41	92	6	2000	Sc	10	-	-	1020.5	-9	SW	5	odf	47	97	3	750	Sc	10	-	-	-	-																					

## STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.

STATIONS.	STATIONS CONTINUING FROM PREVIOUS PAGE.																		Sunshine Hours.					
	BAROM. at M.S.L. mb.	TEMP. °F.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.						
			Force 0-12.			at M.S.L. mb.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min °F.	Morning		Afternoon.	Night.			
12H. G.M.T. of 16 <sup>th</sup>																			24 HOURS ENDED 7H. 17 <sup>th</sup>					16 <sup>th</sup>
Lerwick ...	1011.4	43	SW	3	c	986.4	-13	44	-5	SSW	8	-	omf	5	3	48	41	bca	cp	omf	*			
Stornoway ...	1011.8	44	WSW	6	bopq	988.7	-3	43	-4	WSW	6	-	bopq	5	11	47	41	cpq	bopq	bopq	3.1			
Castellbay (Barrile)	1015.0	48	WSW	5	bc	994.5	-2	46	-2	WSW	6	-	op	6	3	49	43	bcbem	cmfbc	bcbro	2.6			
Malin Head ...	1018.7	45	SW	3	bc	996.3	-1	47	-1	WSW	5	-	og	4	11	52	42	cm	cp	ogf	0.0			
Blackod Point ...	1020.8	47	SW	6	bc	1002.8	-1	50	+1	W	6	-	c	7	4	51	45	bc	bc	bcc	*			
Roche's Point...	1028.0	49	W	2	b	1016.7	-7	49	-2	WSW	5	-	o	5	1	54	45	fdco	o.b	bo	*			
Burr Castle ...	1025.7	44	S	1	c	1010.6	*	48	-3	SW	5	-	r	*	5	52	40	oc	c	corq	1.8			
Donaghadee ...	1023.7	49	W	1	b	1004.0	-10	48	-1	WSW	5	-	omqr	3	0.3	53	43	cmf	bc	bcmom	*			
Liverpool (Biddon)	1026.6	47	W	2	r	1010.2	-7	45	+1	SW	7	-	og	5	2	54	44	ac	or	obca	0.5			
Holyhead ...	1026.7	48	SW	4	odfe	1009.8	-7	48	-1	SW	7	-	og	6	6	50	46	fe pd.	fe.rpd.	cf bca	0.0			
Pembroke (St. Ann's Head)	1028.7	49	SW	3	odfe	1017.5	-3	48	-1	SW	5	-	or	4	1	50	47	ofe	ofe	ofe ov	0.0			
Scilly (St. Mary's)	1031.1	50	WSW	3	o	1023.1	-2	49	-3	W	5	-	o	6	2	53	48	fdom	odm	om	0.0			
Jersey (St. Aubin)	1033.9	43	SE	3	b	1024.8	-2	46	+7	S	4	-	odf	3	2	46	38	cb.	b.	bodm	7.0			
Portland Bill ...	1031.0	47	SSW	5	o	1021.2	-6	48	+2	SW	6	-	m	5	1	49	45	op	op	fm	*			
Dunageess ...	1033.1	43	SSW	4	b	1022.2	-4	45	+4	SW	6	-	o	6	0.4	46	41	b	b	bccop	*			
Wick ...	1014.0	40	SW	3	b	989.1	-6	39	-10	SW	6	-	bca	5	1	49	38	oap	bcb	compq	*			
Nairn ...	1015.7	40	W	2	bc	990.6	*	41	-11	WSW	4	-	ouq	3	4	52	37	cpbc	bapc	bcaqp	1.8			
Leith ...	1020.3	45	SW	1	bc	997.9	-7	45	-5	SW	5	-	r	3	5	52	42	bccgo	ogu bc	bcbqr	*			
Tynemouth ...	1023.5	48	SW	1	odf	1003.3	-8	45	+6	W	5	-	omf	3	trace	49	39	bcm	cm	cmxmp	*			
Spurn Head ...	1026.0	43	SSW	4	om	1011.1	-8	47	+11	SW	5	-	o	4	0.1	47	33	c	com	o	*			
Yarmouth (New Obs.)	1030.9	39	SSW	4	c	1017.8	-7	42	+7	SW	5	-	omq	4	0.2	43	33	b.bcm	bcmcm	pemo	6.0			
Clacton-on-Sea ...	1032.2	42	SSW	4	bc	1020.2	-7	44	+3	SSW	4	-	og	4	-	44	40	bm	bm bc	bccog	7.0			
Nottingham ...	1027.7	46	SW	3	o	1014.2	*	48	+11	SW	4	-	o	*	0.4	50	36	odm	om	o	0.0			

Information for these columns not usually received.

+ The barometric change is expressed in half millibars.

§ For code see page 3

† See footnote p.4.



GENERAL INFERENCE from observations received up to 9h.

**EXPLANATION.**

**BAROMETER**.—Isobars are drawn at intervals of two millibars.

**WIND**.—Direction is shown by arrow. Flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.

**TEMPERATURE** is given in degrees F.

**WEATHER SYMBOLS**.

( )	clear sky.	( )	sky & clouds
( )	sky & clouded.	( )	sky & clouds falling
( )	overcast sky.	( )	& rain.
*	snow.	( )	mist.
=	fog.	( )	thunderstorm.

**SEA DISTURBANCE**.—  
Rough High

Unsettled, with  
Westerly winds  
and rather high  
temperature.

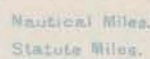


Barometer

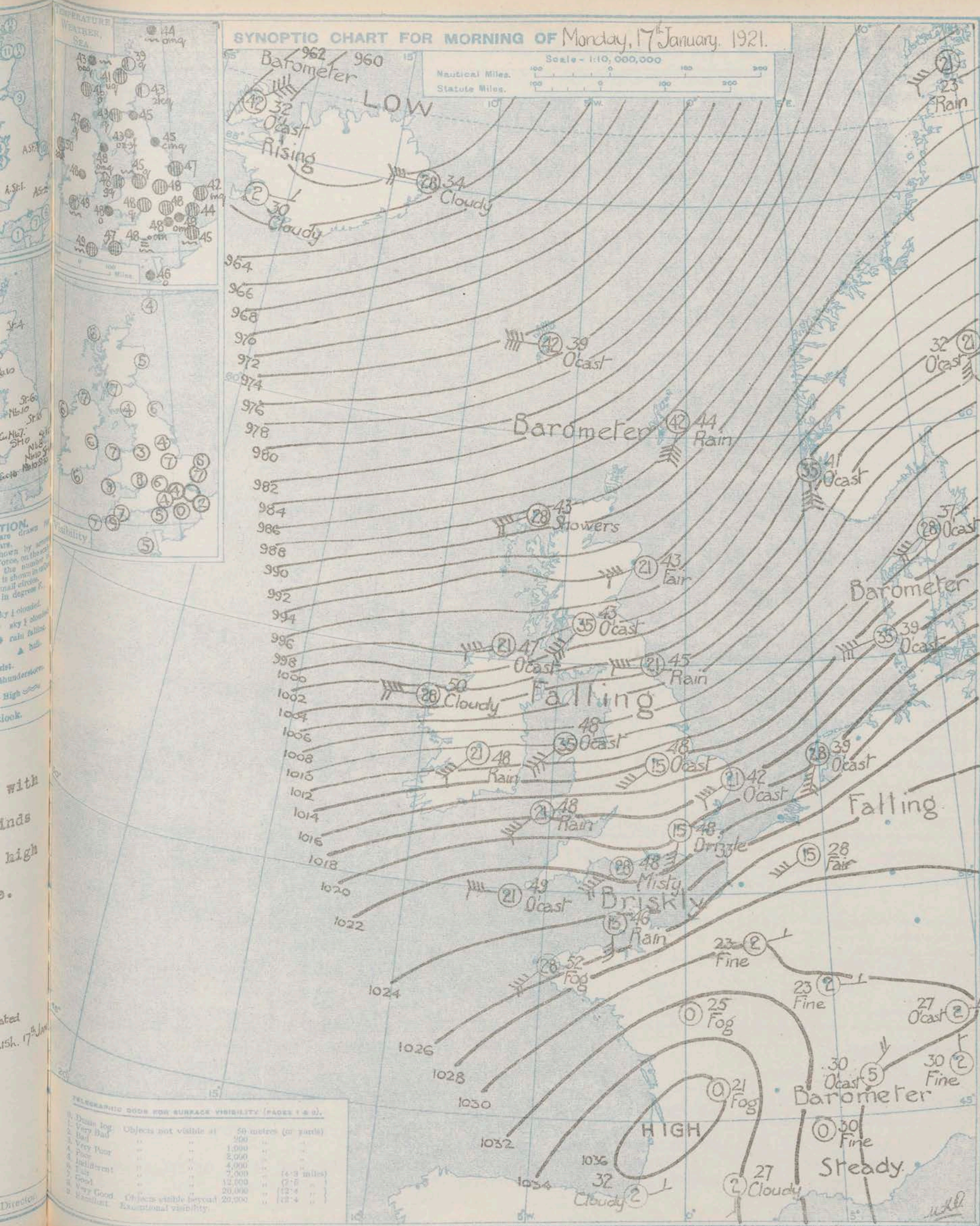
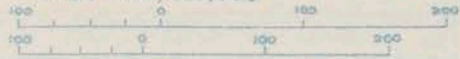
Nautical Miles.

Statute Miles.

Scale - 1:10,000,000



Scale - 1:10,000,000



TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGE 1 OF 3).



# AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1921. No. 17...

MONDAY  
17th JAN 1921

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 16th									
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 12h-1h.	Day. 9h-12h.	Sunrise to Sunset.	
Scotland.	Oban ...	bccp	ebcb	53	41	1	0.1	1.3	
	Banff ...								
	Montrose ...								
	St. Andrews ...								
England, N.E.	Harrogate ...			48	32	-	-	0.0	
	Scarborough ...								
	Skegness ...								
	Lowestoft ...	b	b	44	35	-	-	7.0	
England, E.	Felixstowe ...	x b	bbc	47	32	-	-	6.2	
	Southend-on-Sea ...								
	Tunbridge Wells ...	b	b	45	31	-	-	6.4	
	Margate ...	b	b	46	36	-	-	6.7	
England, S.E.	Ramsgate ...								
	Folkestone ...	b	b	47	40	-	-	7.1	
	Hastings ...	b	b	48	31	-	-	6.9	
	Eastbourne ...	b	b	46	34	-	-	6.7	
England, S.W.	Brighton ...	b	b	48	31	-	-	7.0	
	Worthing ...	b	b	48	31	-	-	7.0	
	Littlehampton ...			48	32	-	-	5.8	
	Portsmouth (S. base) ...			46	40	-	-	0.6	
England, N.W.	Douglas (I.O.M.) ...								
	Blackpool ...								
	Southport ...	co	or	51	38	0.2	3	0.0	
	Buxton ...								
Midlands.	Leamington Spa ...	o	o	47	?	0.3	-	0.0	
	Malvern ...								
	Bath ...	o	or	48	35	-	1	0.0	
	Rhyl ...	c	bccp	53	37	-	2	1.3	
Wales.	Colwyn Bay ...			54	46	-	1	1.6	
	Llandudno ...			55	47	-	2	1.3	
	Aberystwyth ...								
	Tenby ...								
England, S.W.	Swansea ...								
	Weymouth ...	d	o	49	44	-	0.2	0.0	
	Teignmouth ...								
	Torquay ...	adm	or	50	48	-	0.1	0.0	
England, S.W.	Paignton ...	odp	odpod	50	49	-	-	-	
	Penzance ...	ods	of	52	48	4	1	0.0	
	Newquay ...	om	om or	52	48	1	0.1	0.0	
	Bude ...	o	od	53	48	0.2	0.2	0.0	
England, S.W.	Ilfracombe ...	omo	om fe	52	43	-	1	0.0	
	Weston-s-Mare ...	ed	md	50	41	-	0.3	0.0	

SUMMARIES FOR PAST 24 HOURS.									
STATIONS.		WEATHER.				TEMP.		RAINFALL.	
		7h-12h.	12h-1h.	12h-1h.	1h-7h.	Max. F.	Min. F.	Day. 7h-12h.	Night. 12h-1h.
Renfrew ...	...	...	...	...	...	51	42	3.6	0.3
Eskdalemuir ...	...	...	...	...	...	48	39	3.8	1.5
Valencia (Cahire's) ...	...	...	...	...	...	51	45	4.2	1.1
Baldonnel ...	...	...	...	...	...	52	41	4.0	1.1
MANCHESTER (Abercrombie) ...	...	...	...	...	...	49	43	4.0	1.1
Ross on Wye ...	...	...	...	...	...	50	42	4.1	1.1
Falmouth ...	...	...	...	...	...	52	46	4.4	1.2
Calshot (Hants) ...	...	...	...	...	...	49	44	4.4	1.3
Lymington (Folkestone) ...	...	...	...	...	...	49	34	3.1	0.4
Aberdeen ...	...	...	...	...	...	50	40	3.7	0.1
Howden ...	...	...	...	...	...	47	35	3.3	0.1
Cranwell (Lincs) ...	...	...	...	...	...	49	33	4.4	1.1
Felixstowe ...	...	...	...	...	...	44	37	3.7	0.3
Shoeburyness ...	...	...	...	...	...	46	28	3.6	0.3
Benson ...	...	...	...	...	...	49	34	3.9	1.1
S. Farnborough ...	...	...	...	...	...	48	27	4.0	1.1
London (Kew Obs.) ...	...	...	...	...	...	48	25	3.9	0.1
Croydon ...	...	...	...	...	...	47	26	3.8	0.3

### BEAUFORT NOTATION.

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.  
e wet air without rain falling.  
f fog. g gloom.  
h hail. i lightning.  
m mist. o overcast sky.  
p passing showers.  
q squalls. r rain.  
ts sleet, i.e., rain and snow together.  
s snow. t thunder.  
u ugly, threatening sky.  
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.

Capital letters indicate intensity, and repetition of letters continuity, thus:-  
R = heavy rain.  
rr = continuous moderate rain.  
r,r = continuous light rain.

### THE BEAUFORT SCALE OF WIND FORCE.

Used only for surface observations.		
No.	Limits of Velocity at about 33 feet above ground.	Statute miles per hour.
0	Less than 1	Less than 0.8
1	1-3	0.8-1.8
2	4-7	1.8-2.8
3	8-12	2.8-4.4
4	13-18	4.4-7.0
5	19-24	7.0-10.7
6	25-31	10.7-13.8
7	32-38	13.8-17.1
8	39-46	17.1-20.7
9	47-54	20.7-24.4
10	55-63	24.4-28.4
11	64-75	28.4-33.6
12	Above 76	33.6 or above

SYMBOLS— Solar halo ☉  
Aurora ☀ Rime ❄ Lunar halo ☾  
Glazed frost ❄ Solar corona ☼  
Glazed roads ❄ Lunar corona ☾  
Line Squall ⚡ Snow lying ❄

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp.	Min. Temp.	Min. on Grass.	Rain- fall.	Sun- shine to Sunset.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
	Morning.	Afternoon.	Night.	° F.	° F.	° F.	min.	Hours.	15 h. G.M.T.	9 h. G.M.T.					
	24 HOURS ENDED ON G.M.T. 17 <sup>th</sup>								YESTERDAY.	TO-DAY.					
Greenwich (Royal Observatory)	b	b bc	bccdr	48	32	33	1	54	70	96	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	17 <sup>th</sup> 18 <sup>th</sup> 19 <sup>th</sup> JANUARY 1880.			
City (Bunhill Row)	*	*	*	*	*	*	*	23	*	*	Total 262 ..... Joules. Milliwatts.	Stations.	Sunrise.	Noon.	Sunset.
Westminster (St. James's Park)	*	*	*	50	31	28	3	36	68	94		G.M.T.	G.M.T.	G.M.T.	
Regent's Pk. (Botanical Garden)						*					Yarmouth...	7.57	12.3	4.9	
Camden Sq. (Brit. Rainfall)	*	*	*	49	32	27	1	*	*	99	Greenwich	7.55	12.3	4.11	
Kensington Palace	fx.b	bccbc	*	49	34	39	2	*	78 (18h)	97	Average Rate. 84	Wick	7.59	12.10	4.21
Hampstead Observatory	*	*	*	48	35	29	2	36	*	98	Maximum Rate. 17	Valencia	8.00	12.22	3.54

### SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	
Total	262 Joules.
Average Rate	88 Milliwatts.
Maximum Rate	17

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

17th JANUARY 1921			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.57	12.3	4.9
Greenwich ...	8.0	12.10	4.23
Wick ...	8.30	12.22	3.57
Valencia ...	8.42	12.51	3.0

### Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minors at Greenwich Observatory.

Exposure from 16.17.30 m. to 17.06.45 m.

Star.	Duration of Exposure.	Duration of Rise.	%
Polaris	13 15	0 0	-
8 Ursae	13 15	0 0	-
Minors			

### NOTES ON THE WEATHER OF YESTERDAY.

Rainy weather spread from the Northwest during the day accompanied by a rise of temperature, and conditions had become generally unsettled by this morning. 11mm of rain fell at Stornoway and Malin Head.

The day was very fine in the South and East of England, several stations recording 7 hours of sunshine.

\* Information for these columns not usually received.

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





## AIR MINISTRY.

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

BRITISH SECTION.

No. 821647

Tuesday 19<sup>th</sup> January.....1921.

## OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 15H.

STATIONS.	1H. G.M.T. of 17														7H. G.M.T. of 18																					
	Barom.		Wind.		Temp.		Humidity.		Visibility.		Height of Low Cloud.		Low Cloud.		Upper Cloud.		Sea.		Barom.		Wind.		Temp.		Humidity.		Visibility.		Height of Low Cloud.		Low Cloud.		Upper Cloud.		Sea.	
	at M.S.L.	Change in 3 hours.	Dir.	Force 0-12.	°F.	°C.	%	0-3.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.	Form.	Amt. 0-10.	0-9.	mb.	Change in 3 hours.	Dir.	Force 0-12.	°F.	°C.	%	0-3.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.	Form.	Amt. 0-10.	0-9.	mb.	
Renfrew ...	995.0	-2	WSW	6	45	85	7	2,000	St. Cu	6	ASC	3	10	10	10	10	10	995.0	-1	W	6	45	85	7	1,250	Nb	10	-	-	-	-	-	-	10		
Eskdalemuir ...	997.2	-3	WSW	5	43	85	6	2,000	St	8	ASC	1	10	10	10	10	10	997.2	-1	WSW	6	43	85	7	1,250	Nb	10	-	-	-	-	-	-	10		
Valencia (Cahire'n)	1013.5	-3	WSW	7	51	91	6	750	St	10	-	-	10	10	10	10	10	1013.5	-1	WSW	6	51	92	6	750	St	10	-	-	-	-	-	-	10		
Baldonnell ...	1005.6	-5	SW	6	46	85	6	750	Nb	10	-	-	10	10	10	10	10	1005.6	-1	SW	5	46	85	6	750	Nb	10	-	-	-	-	-	-	10		
Doncaster (Alex. R.)	1004.9	-8	SW	4	49	85	4	1,250	Nb	10	-	-	10	10	10	10	10	1004.9	-3	WSW	6	49	85	4	1,250	Nb	10	-	-	-	-	-	-	10		
Ross on Wye ...	1011.3	-7	W	6	49	85	7	1,250	Nb	10	-	-	10	10	10	10	10	1011.3	-3	W	5	51	92	8	3,000	Cu	10	-	-	-	-	-	-	10		
Falmouth ...	1018.3	-7	WSW	5	49	91	4	-	Nb	10	-	-	10	10	10	10	10	1018.3	-1	WSW	7	52	92	6	-	Nb	10	-	-	-	-	-	-	10		
Calshot (Hants) ...	1016.3	-8	SW	5	48	92	6	1,250	St	10	-	-	10	10	10	10	10	1016.3	-6	SW	5	50	91	6	500	Nb	10	-	-	-	-	-	-	10		
Lymington (Folkestone)	1014.9	-8	SW	5	46	91	6	500	St	10	-	-	10	10	10	10	10	1014.9	-5	SW	6	47	91	6	500	St	10	-	-	-	-	-	-	10		
Aberdeen ...	991.1	-3	WSW	5	46	85	8	4,200	St. Cu	2	-	-	10	10	10	10	10	991.1	-1	SW	2	46	85	5	-	-	-	-	-	-	-	-	-	10		
Howden ...	1002.4	-8	WSW	5	50	85	7	570	St	6	ASC	1	10	10	10	10	10	1002.4	-3	W	6	50	85	6	3,000	St	6	ASC	4	-	-	-	10			
Cranwell (Lincs) ...	1006.5	-10	SW	5	47	92	7	2,000	St. Cu	10	-	-	10	10	10	10	10	1006.5	-3	WSW	3	47	92	5	1,250	St	10	-	-	-	-	-	-	10		
Felixstowe ...	1013.0	-9	SW	4	46	91	5	750	Nb	10	-	-	10	10	10	10	10	1013.0	-5	SW	5	46	92	5	1,250	St	10	-	-	-	-	-	-	10		
Shoeburyness ...	1013.2	-5	SW	7	48	91	7	750	Cu	10	-	-	10	10	10	10	10	1013.2	-5	WSW	5	49	85	7	1,250	Cu	10	-	-	-	-	-	-	10		
Benson ...	1012.5	-9	SW	4	46	92	6	-	Nb	10	-	-	10	10	10	10	10	1012.5	-6	WSW	5	46	85	7	-	St	10	-	-	-	-	-	-	10		
S. Farnborough ...	1014.8	-7	WSW	6	46	92	6	750	Nb	10	-	-	10	10	10	10	10	1014.8	-5	WSW	6	46	91	6	750	Nb	10	-	-	-	-	-	-	10		
London (Kew Obs.)	1013.6	-9	SW	4	47	85	6	2,000	Nb	10	-	-	10	10	10	10	10	1013.6	-6	SW	4	47	85	5	2,000	St	10	-	-	-	-	-	-	10		
Croydon ...	1015.3	-7	W	4	46	85	6	750	St	10	-	-	10	10	10	10	10	1015.3	-6	W	6	46	85	6	750	St	10	-	-	-	-	-	-	10		
Renfrew ...	999.0	-8	W	7	49	85	7	2,000	St.	10	-	-	10	10	10	10	10	999.0	-7	W	7	49	85	6	2,000	Nb	10	-	-	-	-	-	-	10		
Eskdalemuir ...	991.1	-5	SW	5	46	85	5	-	Nb	10	-	-	10	10	10	10	10	991.1	-5	WSW	6	46	85	6	2,000	Nb	10	-	-	-	-	-	-	10		
Valencia (Cahire'n)	1007.6	-7	WSW	7	51	91	6	750	St. Cu	10	-	-	10	10	10	10	10	1007.6	-7	WSW	7	51	91	6	750	St. Cu	10	-	-	-	-	-	-	10		
Baldonnell ...	999.5	-7	SW	6	46	85	6	1,250	St. Cu	10	-	-	10	10	10	10	10	999.5	-7	SW	6	46	85	6	1,250	St. Cu	10	-	-	-	-	-	-	10		
Doncaster (Alex. R.)	1004.9	-8	SW	4	49	85	4	1,250	Nb	10	-	-	10	10	10	10	10	1004.9	-3	WSW	6	49	85	4	1,250	Nb	10	-	-	-	-	-	-	10		
Ross on Wye ...	1011.3	-7	W	6	49	85	7	1,250	Nb	10	-	-	10	10	10	10	10	1011.3	-3	W	5	51	92	8	3,000	Cu	10	-	-	-	-	-	-	10		
Falmouth ...	1018.3	-7	WSW	5	49	91	4	-	Nb	10	-	-	10	10	10	10	10	1018.3	-1	WSW	7	52	92	6	-	Nb	10	-	-	-	-	-	-	10		
Calshot (Hants) ...	1016.3	-8	SW	5	48	92	6	1,250	St	10	-	-	10	10	10	10	10	1016.3	-6	SW	5	50	91	6	500	Nb	10	-	-	-	-	-	-	10		
Lymington (Folkestone)	1014.9	-8	SW	5	46	91	6	500	St	10	-	-	10	10	10	10	10	1014.9	-5	SW	6	47	91	6	500	St	10	-	-	-	-	-	-	10		
Aberdeen ...	991.1	-3	WSW	5	46	85	8	4,200	St. Cu	2	-	-	10	10	10	10	10	991.1	-1	SW	2	46	85	5	-	-	-	-	-	-	-	-	-	10		
Howden ...	1002.4	-8	WSW	5	50	85	7	570	St	6	ASC	1	10	10	10	10	10	1002.4	-3	W	6	50	85	6	3,000	St	6	ASC	4	-	-	-	10			
Cranwell (Lincs) ...	1006.5	-10	SW	5	47	92	7	2,000	St. Cu	10	-	-	10	10	10	10	10	1006.5	-3	WSW	3	47	92	5	1,250	St	10	-	-	-	-	-	-	10		
Felixstowe ...	1013.0	-9	SW	4	46	91	5	750	Nb	10	-	-	10	10	10	10	10	1013.0	-5	SW	5	46	92	5	1,250	St	10	-	-	-	-	-	-	10		
Shoeburyness ...	1013.2	-5	SW	7	48	91	7	750	Cu	10	-	-	10	10	10	10	10	1013.2	-5	WSW	5	49	85	7	1,250	Cu	10	-	-	-	-	-	-	10		
Benson ...	1012.5	-9	SW	4	46	92	6	-	Nb	10	-	-	10	10	10	10	10	1012.5	-6	WSW	5	46	85	7	-	St	10	-	-	-	-	-	-	10		
S. Farnborough ...	1014.8	-7	WSW	6	46	92	6	750	Nb	10	-	-	10	10	10	10	10	1014.8	-5	WSW	6	46	91	6	750	Nb	10	-	-	-	-	-	-	10		
London (Kew Obs.)	1013.6	-9	SW	4	47	85	6	2,000	Nb	10	-	-	10	10	10	10	10	1013.6	-6	SW	4	47	85	5	2,000	St	10	-	-	-	-	-	-	10		
Croydon ...	1015.3	-7	W	4	46	85	6	750	St	10	-	-	10	10	10	10	10	1015.3	-6	W	6	46	85	6	750	St	10	-	-	-	-	-	-	10		
Renfrew ...	999.0	-8	W	7	49	85	7	2,000	St.	10	-	-	10	10	10	10	10	999.0	-7	W	7	49	85	6	2,000	Nb	10	-	-	-	-	-	-	10		
Eskdalemuir ...	991.1	-5	SW	5																																



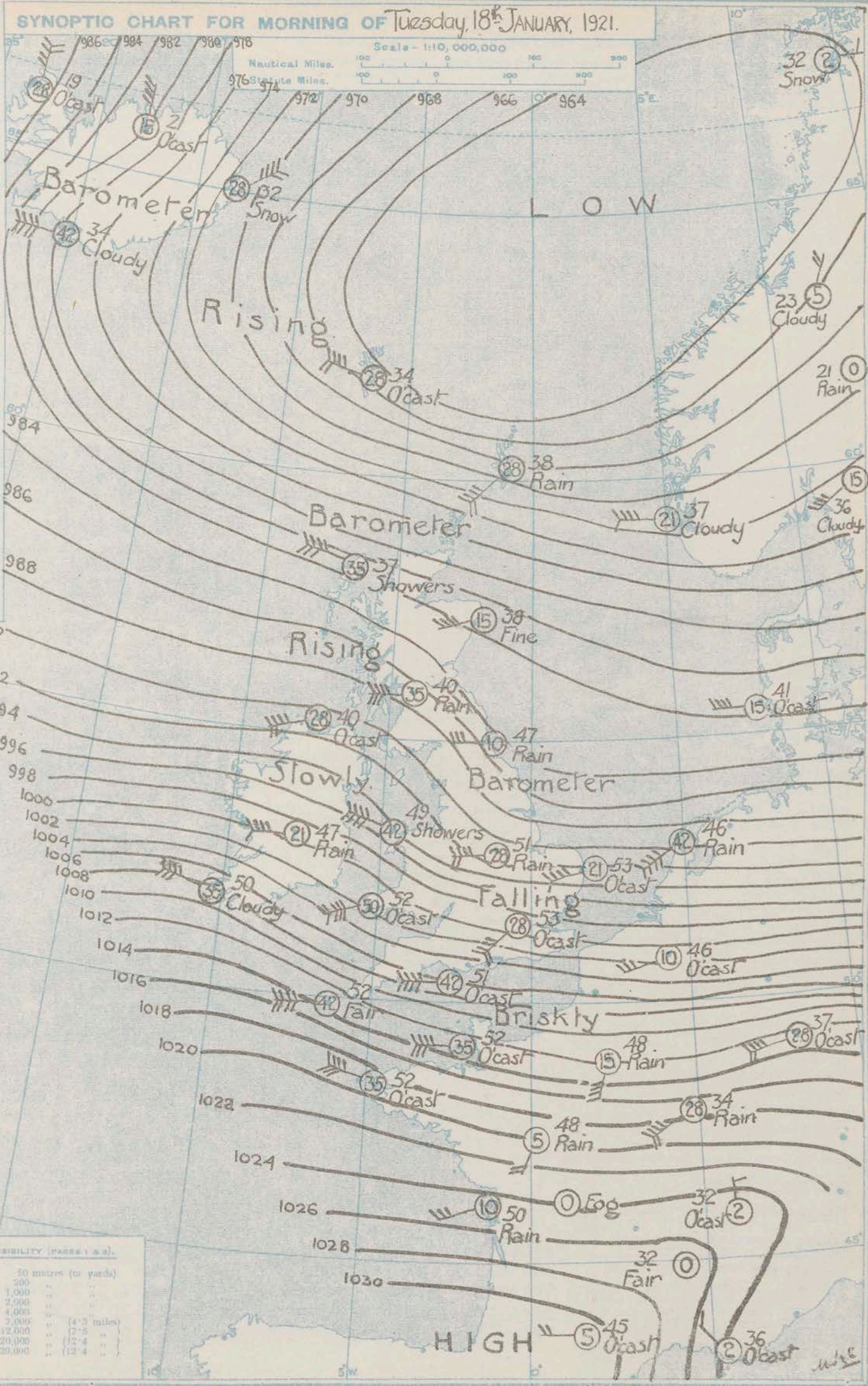




# SYNOPTIC CHART FOR MORNING OF Tuesday, 18<sup>th</sup> JANUARY, 1921.

Scale - 1:10,000,000

Nautical Miles.  
Statute Miles.



## TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PART 1 & 2).

Objects not visible at	50 metres (or yards)
Very fog	200
Very poor	1,000
Poor	2,000
Indifferent	4,000
Fair	7,000
Good	12,000
Very Good	20,000
Excellent	30,000

Objects visible beyond 30,000



# AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1921. No. 18.

Tuesday  
18<sup>th</sup> JANUARY

### WEATHER, TEMPERATURE RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 17<sup>th</sup>

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-12h.	Day. 12h-12h.	Sunrise to Sunset.	Forenoon.		Afternoon.	Max. °F.	Min. °F.	Night. 12h-12h.	Day. 12h-12h.	Sunrise to Sunset.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

### SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	7h-12h.	12h-12h.	Max. °F.	Min. °F.	Night. 12h-12h.	Day. 12h-12h.	Sunrise to Sunset. 17 <sup>th</sup>	Sun.
Renfrew ... ..	o.p.	o.p.	47	39	36	4	7	0.0
Eskdalemuir ... ..	o.p.	o.p.	44	38	37	14	15	0.0
Valencia (Cahire's) ... ..	o.p.	o.p.	50	44	47	-	1	0.0
Baldonnel ... ..	o.p.	o.p.	53	46	45	2	3	0.0
Manchester (Alex. R.) ... ..	o.p.	o.p.	54	46	45	11	9	0.0
Ross on Wye ... ..	o.p.	o.p.	54	46	45	2	1	0.0
Falmouth ... ..	o.p.	o.p.	53	47	49	3	0.3	0.0
Calshot (Hants) ... ..	o.p.	o.p.	54	46	47	2	0.2	0.0
Lymington (Folkestone) ... ..	o.p.	o.p.	49	42	46	3	0.4	0.0
Aberdeen ... ..	o.p.	o.p.	47	37	32	-	0.2	4.5
Howden ... ..	o.p.	o.p.	52	44	42	-	1	0.0
Cranwell (Lincs) ... ..	o.p.	o.p.	53	45	43	line	0.2	0.0
Felixstowe ... ..	o.p.	o.p.	53	44	44	0.4	1	0.0
Shoeburyness ... ..	o.p.	o.p.	53	45	47	0.4	1	0.0
Benson ... ..	o.p.	o.p.	52	46	46	1	-	0.0
S. Farnborough ... ..	o.p.	o.p.	53	45	48	3	trace	0.0
London (Kew Obs.) ... ..	o.p.	o.p.	54	47	48	2	trace	0.0
Croydon ... ..	o.p.	o.p.	53	46	48	2	trace	0.0

### BEAUFORT NOTATION.

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.  
e wet air without rain falling.  
f fog. g gloom.  
h hail. i lightning.  
m mist. o overcast sky.  
p passing showers.  
q squalls. r rain.  
rs sleet, i.e., rain and snow together.  
s snow. t thunder.  
u ugly, threatening sky.  
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.

### THE BEAUFORT SCALE OF WIND FORCE.

Used only for surface observations.

No.	Limits of Velocity at about 35 feet above ground.	
	Statute miles per hour.	Meters per second.
0	Less than 1	Less than 0.5
1	1-3	0.5-1.5
2	4-7	1.5-3.5
3	8-12	3.5-5.5
4	13-18	5.5-7.5
5	19-24	7.5-10.5
6	25-31	10.5-13.5
7	32-38	13.5-17.5
8	39-46	17.5-20.5
9	47-54	20.5-24.5
10	55-63	24.5-28.5
11	64-75	28.5-33.5
12	Above 75	33.5 or above

### SYMBOLS.

Solar halo ☉  
Aurora ☀  
Glazed frost ❄  
Glazed roads ❄  
Line Squall ⚡  
Solar corona ☉  
Lunar corona ☾  
Snow lying ❄

### LONDON OBSERVATIONS.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Morning.	Afternoon.	Night.	Max. °F.	Min. °F.	Min. on Grass. °F.	Sun- shine to Sunset. Hours.	Humidity % 15h. 9h.
Greenwich (Royal Observatory) ... ..	o.p.	o.p.	o.p.	54	47	46	2	86
City (Bunhill Row) ... ..	o.p.	o.p.	o.p.	54	47	44	1	84
Westminster (St. James's Park) ... ..	o.p.	o.p.	o.p.	54	47	44	1	84
Regents Pk. (Botanical Obs.) ... ..	o.p.	o.p.	o.p.	54	47	44	2	87
Camden Sq. (British Rainfall) ... ..	o.p.	o.p.	o.p.	54	47	49	2	86 (18h)
Kensington Palace ... ..	o.p.	o.p.	o.p.	54	47	49	2	86
Hampstead Observatory ... ..	o.p.	o.p.	o.p.	52	45	43	2	76

### SOUTH KENINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	18 <sup>th</sup> & 19 <sup>th</sup> JAN. 1921	
	Stations.	Summit.
Total ... ..	Greenwich	12.3
Average Rate.	Wick	12.2
Maximum Rate.	Valencia	12.5

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

Stations.	18 <sup>th</sup> & 19 <sup>th</sup> JAN. 1921		
	Summit.	Summit.	Summit.
Greenwich	7.59	12.3	4.4
Wick	8.49	12.2	4.0
Valencia	9.41	12.5	5.4

### Photographic Record of

### Pole Star (Polaris) and of 8 Ursae

### Minors at Greenwich Observatory.

Exposure from 17<sup>h</sup> 17<sup>m</sup> 30<sup>s</sup> to 18<sup>h</sup> 6<sup>m</sup> 45<sup>s</sup>

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	13 15	0 0	-
8 Ursae	13 15	0 0	-
Minors	13 15	0 0	-

### NOTES ON THE WEATHER OF YESTERDAY.

The day was generally dull and wet and the rainfall was considerable in places, Eskdalemuir receiving 29 mm and Manchester 20 mm. Except locally in the North of Scotland, where Aberdeen recorded 4.5 hours and Banff 3.8 hours, sunshine was practically nil. Temperature was high in most districts the maximum temperature reaching 55° at Roche's Point.

\* Information for these columns not usually received.

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





## AIR MINISTRY.

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

BRITISH SECTION.

No. B. 21,608

WEDNESDAY, 19<sup>TH</sup> JANUARY, 1921.

## OBSERVATIONS AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 18H.

STATIONS.	12H. G.M.T. OF 18 <sup>h</sup>												18H. G.M.T. OF 18 <sup>h</sup>												
	Barom. at M.S.L.	Change in 3 hours.	Wind.	Force.	Weather.	Temp. °F.	Humidity %.	Visibility.	Height of Low Cloud.	Low Cloud.	Upper Cloud.	Sea.	Barom. at M.S.L.	Change in 3 hours.	Wind.	Force.	Weather.	Temp. °F.	Humidity %.	Visibility.	Height of Low Cloud.	Low Cloud.	Upper Cloud.	Sea.	
	mb.		Dir.	0-12.			0-9.	0-9.	Feet.	Form.	Am't. 0-10.	0-9.	mb.		Dir.	0-12.				0-9.	Feet.	Form.	Am't. 0-10.	0-9.	
Renfrew ...	992.8	+6	W	6	oq	39	75	7	2,000	Cu	9	-	996.2	+3	WNW	8	bcq	39	75	7	2,000	Sc	7	-	-
Eskdalemuir ...	992.8	+5	WNW	7	c	36	85	6	2,000	Nb	8	-	996.7	+4	WNW	7	c	34	75	6	-	Cu	7	-	-
Valencia (Cahire's) ...	1018.5	+7	WNW	7	c	48	65	8	2,000	Sc	7	-	1023.5	+6	WNW	6	c	47	65	7	2,000	Sc	8	-	-
Baldonnel ...	1008.4	+6	W	6	bcq	42	65	7	2,000	Sc	4	AS	1011.3	+5	WNW	6	bcq	40	75	6	2,000	Sc	6	-	-
Manchester (Alex. R.) ...	998.8	+7	WSW	8	oq	44	65	4	1,250	Nb	9	-	1002.7	?	WNW	8	oq	41	75	5	2,000	Cu	9	-	-
Ross on Wye ...	1004.6	+10	WNW	7	bcq	46	65	8	2,000	Cu	4	2	1009.5	+5	WNW	7	bcq	43	65	9	4,200	Cu	4	-	-
Falmouth ...	1014.1	+8	WNW	7	bc	49	75	7	-	Sc	4	-	1019.5	+6	WNW	8	bcq	46	65	7	-	Cu	6	-	-
Calshot (Hants) ...	1004.2	+4	WNW	7	bcq	50	65	8	2,000	Cu	3	-	1011.8	+5	W	6	bcq	43	75	8	2,000	Sc	1	-	-
Lymington (Folkestone) ...	999.0	+2	WNW	8	oq	48	85	8	750	Nb	9	-	1008.1	+6	WNW	7	oq	38	97	8	750	Nb	10	-	-
Aberdeen ...	982.8	0	W	5	b	39	65	8	-	-	-	-	985.8	+3	W	6	b	38	75	8	-	Sc	7	-	-
Howden ...	994.4	+6	WNW	6	bcq	40	85	7	2,000	Cu	2	AS	998.9	+3	WNW	6	bcq	37	75	6	2,000	Cu	2	AS	-
Cranwell (Lincs) ...	996.8	+5	WNW	7	bcq	44	75	6	750	Nb	10	-	1004.7	+8	WNW	6	bcq	41	75	7	-	-	-	-	-
Felixstowe ...	997.4	+4	WNW	6	bcq	47	85	7	2,000	Sc	5	AS	1004.7	+8	WNW	6	bcq	41	75	7	-	-	-	-	-
Shoeburyness ...	998.5	+1	WNW	6	bcq	46	65	7	2,000	Sc	3	AS	1005.7	+6	WNW	6	b	41	65	7	-	-	-	-	-
Benson ...	1001.7	+9	WNW	6	bcq	45	75	8	-	Nb	7	-	1008.1	+7	WNW	5	b	39	75	8	-	-	-	-	-
S. Farnborough ...	1002.0	+6	WNW	7	bcq	50	65	7	2,000	Cu	4	-	1009.4	+6	WNW	4	bcq	42	75	6	1,250	Sc	1	-	-
London (Kew Obs.) ...	1000.9	+7	W	6	bcq	50	55	9	4,200	Cu	3	-	1007.9	+8	WSW	4	bcq	43	65	8	-	-	-	-	-
Croydon ...	1001.4	+5	WNW	7	bcq	48	65	8	2,000	Cu	7	-	1008.7	+7	WNW	4	bcq	42	65	8	1,250	Nb	7	-	-
Renfrew ...	1009.8	+14	WNW	7	bcq	40	75	8	2,000	Sc	1	-	1017.4	+5	WNW	4	bc	40	75	7	2,000	Sc	5	-	-
Eskdalemuir ...	1007.7	+9	WNW	8	bcq	35	75	6	-	Cu	2	-	1016.2	+6	WNW	5	bcq	36	75	7	-	Cu	2	-	-
Valencia (Cahire's) ...	1028.8	0	WNW	8	bcq	52	?	?	?	?	?	?	1031.0	+3	WNW	4	o	47	85	7	2,000	Sc	4	AS	6
Baldonnel ...	1020.4	+10	WNW	6	bcq	41	75	4	2,000	Sc	10	-	1025.5	+3	SW	2	b	39	85	7	2,000	Sc	3	-	-
Manchester (Alex. R.) ...	?	?	?	?	?	?	?	?	?	?	?	?	1019.8	+8	WSW	3	bcq	39	85	4	-	-	AS	3	?
Ross on Wye ...	?	?	?	?	?	?	?	?	?	?	?	?	1022.7	+5	WNW	3	c	41	75	8	2,000	Sc	7	-	-
Falmouth ...	1025.0	+3	WNW	6	bcq	47	65	8	-	Sc	7	-	1028.9	+4	WNW	5	b	45	75	7	-	-	-	-	-
Calshot (Hants) ...	1017.5	+4	WNW	4	bcq	40	92	8	750	Nb	10	-	1022.9	+4	W	4	b	42	75	8	-	-	AS	3	3
Lymington (Folkestone) ...	1012.0	+5	WNW	7	bcq	38	75	8	750	Sc	1	-	1018.2	+5	WNW	6	bcq	37	75	7	1,250	Sc	1	-	-
Aberdeen ...	?	?	?	?	?	?	?	?	?	?	?	?	1010.5	+7	WNW	6	bcq	38	65	8	2,000	Cu	2	-	-
Howden ...	1006.4	+8	WNW	6	bcq	38	75	7	-	-	-	-	1015.0	+10	WNW	5	bcq	38	75	7	4,200	Sc	1	-	-
Cranwell (Lincs) ...	1009.1	+7	WNW	6	b	38	85	7	-	-	-	-	1017.7	+7	WNW	5	bc	38	85	7	-	-	AS	5	?
Felixstowe ...	1008.9	+4	WNW	7	bcq	40	75	7	-	-	-	-	1016.6	+7	WNW	6	bcq	40	75	7	-	-	-	-	-
Shoeburyness ...	?	?	?	?	?	?	?	?	?	?	?	?	1017.6	+5	WNW	3	b	39	75	7	-	-	-	-	-
Benson ...	?	?	?	?	?	?	?	?	?	?	?	?	1020.5	+5	WNW	3	b	37	75	8	-	-	Sc	1	-
S. Farnborough ...	?	?	?	?	?	?	?	?	?	?	?	?	1021.5	+6	WNW	4	b	38	75	7	-	-	-	-	-
London (Kew Obs.) ...	1013.0	+5	?	?	?	41	?	?	?	?	?	?	1020.5	+4	W	4	b	39	75	7	-	-	AS	1	?
Croydon ...	1013.4	+5	WNW	7	bcq	40	75	8	2,000	Sc	1	-	1020.9	+6	WNW	4	bif	38	75	6	1,250	Sc	1	-	-

## STATIONS CONTRIBUTING REPORTS AT 7H AND 12H.

STATIONS.	12H. G.M.T. OF 18 <sup>h</sup>					7H. G.M.T. OF 19 <sup>h</sup>					2: HOURS ENDED 7H. 19 <sup>h</sup>					18 <sup>h</sup>					
	Barom. at M.S.L.	Temp.	Wind.	Force	Weather.	Barometer.	Temperature.	Wind.	Force	Weather.	Sea	Rainfall	Temp.	Weather.	Atmosphere	Night.	Sunshine				
	mb.	°F.	Dir.	0-12.		at M.S.L.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.	Upper Cloud.	0-9.	inches.	Max. °F.	Min. °F.	Motion.	Atmosphere	Night.	Hours.	
Lerwick	978.5	37	WNW	5	omrsq	1005.6	+8	37	-1	NW	8	NW	omrsq	6	6	40	34	bcn.	omrsq	omrsq	?
Stornoway	991.1	41	N	7	opqH	1016.0	+7	40	+3	N	5	-	bcb	4	8	41	39	c. oph	opqH	opqH	?
Castell Bay (Barra)	999.7	42	WNW	9	c	1020.5	+6	42	+2	WNW	4	-	o	1	42	38	bcsh	rsq p c	rsq p c	0.1	
Malin Head	1000.6	37	WNW	7	cqpb	1020.2	0	45	+5	W	4	W	oqr	7	4	45	32	oqrph	oqrph	oqrph	0.0
Blackod Point	1014.1	43	NW	6	o	1026.3	+2	41	+4	NW	3	-	bc	3	2	51	45	oph	o	bcbp	?
Roche's Point	1019.3	45	NW	6	b	1030.0	+4	45	-7	W	4	-	o	34	0.4	52	41	cpq.	cpq.	b. o	?
Birr Castle	1015.0	43	W	4	c	1026.4	?	40	-7	W	2	-	bc	?	1	47	39	o. cqb	o. cqb	o. bc	2.2
Donaghadee	1005.0	35	NW	7	bcqps	1020.5	+2	41	0	NW	3	-	bcn	3	5	43	35	bc. op.	bcqps	bcqph	?
Liverpool (Dutton)	1002.5	42	W	9	r	1020.3	+6	42	-3	WNW	6	W	q. bc	6	2	46	33	bcq.	bcqps	oq. bc	2.4
Holyhead	1007.7	44	WNW	10	bq	1022.7	+4	45	-4	NW	6	NW	c	5	1	49	41	opq.	cpq.	cp. bcq.	4.3
Pembroke (St. Ann's Head)	1014.0	46	WNW	9	bq	1026.6	+3	45	-7	NW	5	-	c	7	-	52	44	bcq.	bcq.	bcq. cpq.	4.8
Scilly (St. Mary's)	1020.3	48	WNW	8	bcq	1028.7	+3	48	-4	NW	5	N	bc	7	-	53	43	bcn.	bcn.	bcq. bcq.	3.3
Jersey (St. Aubin)	1017.6	48	WNW	6	cp	1026.9	+2	47	-5	WNW	4	-	o	3	0.3	55	45	opq. c. o	opq. c.	c. bc.	1.8
Portland Bill	1011.7	47	WNW	9	cp	1022.9	+6	46	-5	NW	8	NW	cq	8	0.4	53	44	bcq.	bcq.	bc. cpq.	?
Dunnet Head	1007.4	42	W	6	b	1016.6	+3	38	-11	NW	5	-	bq	5	1	50	39	bcq. bcq.	bcq.	bcq. bcq.	?
Wick	982.3	37	WNW	4	opq	1008.6	+5	38	+3	NW	7	-	bcq	5	4	42	32	bcq. sp	bcq. sp	o. bcq.	?
Nairn	987.4	36	NW	8	c	1014.0	?	38	+2	NW	4	-	cpq.	3	5	41	34	prsq. bc	q. cpq.	q. prsq.	1.1
Leith	992.4	39	NW	6	c	1014.7	+4	39	-2	WSW	2	W	c	2	1	41	35	cpq. bc	rsq. c	cpq. bc	?
Tynemouth	993.3	37	W	5	bmq	1014.4	+6	38	-9	WNW	3	-	bif	3	0.1	47	36	bcn.	bcn.	bmq. bmq.	?
Spurn Head	994.4	39	WNW	7	bcq	1013.4	+9	40	-7	NW	7	-	bqm	6	1	47	34	bcq.	bcq.	bcq.	?
Yarmouth (St. Peter's)	1000.3	40	NW	4	bc	1013.0	+8	39	-14	WNW	6	-	bcq	5	4	54	34	cpq. bcq.	cpq. bc	cpq. bc	2.2
Clacton-on-Sea	1004.3	39	NW	5	bc	1015.5	+5	39	-12	NW	4	-	b	3	10	54	35	bcq. cpq.	bcq. cpq.	bc. cp	3.0
Nottingham	1003.1	40	NW	6	cp	1018.1	?	41	-10	NW	5	-	b	4	9	51	36	r. bc.	o. cp.	clp	1.5

Information for these columns not usually received.

The barometric change is expressed in half millibars.

For code see page 2

See footnote p. 4.



## SUMMARY OF CONDITIONS AT 7 h.G.M.T. 19.1.1921.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Fine, squally.	Good	Mod.
2. E. England	Fine, squally.	"	"
3. E. Midlands	Fine.	"	-
4. W. Midlands	Fair, squally.	"	-
5. S.W. England	Fine, squally.	"	High
6. South Wales	No report.	-	-
7. North Wales	Cloudy.	Good	R. Rough
8. N.W. England	Fair, squally.	"	Rough
9. N. Midlands	Fair, squally.	"	-
10. N.E. England	Fine, squally.	"	Slight
11. E. Scotland	Fine, squally.	V. Good	Mod.
12. S.W. Scotland	Fine, squally.	Good	"
13. Isle of Man	Fair, misty.	"	R. Rough
14. N. & N.W. Scotland	Fair, squally.	"	Mod.
15. Hebrides	Showery.	Fair	"
16. Orkneys and Shetlands	Dull, misty, rainy, gale.	Poor	Rough
17. N.W. Ireland	No report.	-	-
18. N.E. Ireland	Fair, misty.	Good	Slight
19. S.E. Ireland	Variable sky.	"	Mod.
20. S.W. Ireland	Dull.	"	-

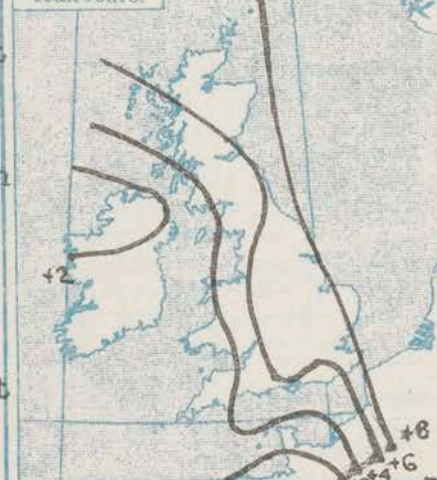
Temperature reported from Coastal and Cross Channel Steamers.

Position Number.	Date	Time G.M.T.	Sea ° F	Air ° F
4A	18 <sup>th</sup>	0415	51	50
5	18 <sup>th</sup>	1046	48	44
5	18 <sup>th</sup>	0828	48	44
12	18 <sup>th</sup>	0525	45	40
3	18 <sup>th</sup>	0955	50	46
6	18 <sup>th</sup>	1530	49	47

CHART OF POSITION NUMBERS and Upper Cloud

Lower Cloud.

Isallobars.



Barometric change from 4 h. to 7 h. (half millibars).

GENERAL INFERENCE from observations received up to 9h.

The wind will moderate with fair to fine weather temporarily over the British Isles but a new depression South of Iceland will cause freshening S.W. winds and dull rainy weather to spread from the West before long.

## EXPLANATION.

**BAROMETER.**—Isobars are drawn at intervals of two millibars.  
**WIND.**—Direction is shown by arrow flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in small circles per hour by figures in degrees F.  
**TEMPERATURE** is given in degrees F.  
**WEATHER SYMBOLS.**—  
 ○ clear sky. ○ sky & cloud.  
 ○ sky & cloud. ○ sky & cloud.  
 ○ overcast sky. ● rain falling.  
 \* snow. \* sleet. ▲ hail.  
 ≡ fog. ≡ mist.  
 T thunder. R thunderstorm.  
**SEA DISTURBANCE.**—  
 Rough. High.

Further Outlook.

Districts.	Forecasts for the 24 hours commencing 15 h.G.M.T. Wednesday, 19th January 1921.
1. S.E. England	Strong N.W. wind backing to W and moderating; fine at first, becoming cloudy with some rain later; visibility good; slight frost, then milder.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Fresh Westerly winds, backing and moderating temporarily; fair at first. cloudy with some rain later; visibility good; temperature rising.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	Strong N.W. wind, backing to S.W. and moderating temporarily; much cloud, some rain later, visibility good; temperature rising.
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	Freshening S.W. wind; much cloud, some rain; visibility good but deteriorating; temperature rising.
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	

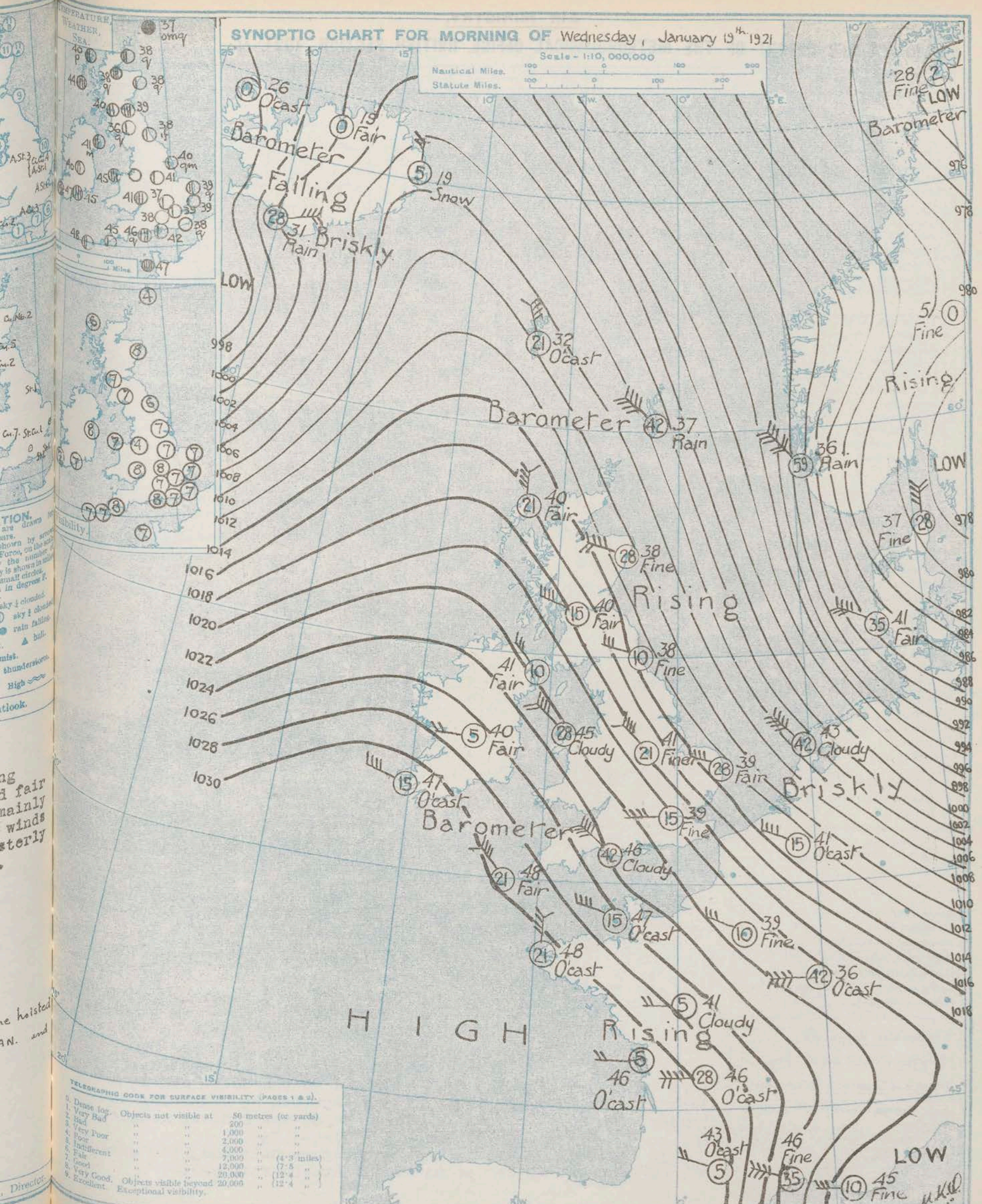
Alternating stormy and fair periods, mainly mild with winds from a Westerly direction.

▼ South Cone hoisted 02.15h 17<sup>th</sup> JAN. and still flying.



# SYNOPTIC CHART FOR MORNING OF Wednesday, January 19<sup>th</sup> 1921

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



## TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2).

0. Dense fog.	Objects not visible at	80 metres (or yards)
1. Very Bad	"	200 "
2. Bad	"	1,000 "
3. Very Poor	"	2,000 "
4. Poor	"	4,000 "
5. Indifferent	"	7,000 "
6. Fair	"	12,000 "
7. Good	"	20,000 "
8. Very Good.	Objects visible beyond	20,000 "
9. Excellent.	Exceptional visibility.	"



WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 18<sup>th</sup>

STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night, 12h-1h.	Day, 1h-12h.	Sunrise to Sunset. 18'	Forenoon.			Afternoon.	Max. ° F.	Min. ° F.	Night, 12h-1h.	Day, 1h-12h.	Sunrise to Sunset. 18'		
Scotland.	Oban ... ..	ohy bc	c.ohy bc	46	37	6	2.	12.	England, N.W.	Douglas (I.O.M.)									
	Banff ... ..	c.s.bc	csh.bc	40	35	1	0.2	1.8		Blackpool ... ..	or.	cpq	45	37	11	1	4.5		
	Montrose ... ..									Southport ... ..	o.cq.bc	chq.ocq	46	38	11	1	4.3		
	St. Andrews ... ..									Morecambe	.	.	45	40.2	12	2.	2.3		
England, N.E.	Harrogate ... ..	bc.opy	ypd.bc.o.bc	42	34	10	4	2.5	Midlands.	Buxton ... ..									
	Scarborough ... ..	b	b	47	38	4	-	5.3		Leamington Spa...	o.c.	c.bc	51	41	3	0.3	2.7		
	Skegness ... ..	op.bc.b	b.o.bc.b	49	36	3	0.2	3.1		Malvern ... ..									
	Lowestoft ... ..									Bath ... ..	pc.bc.b	b.bc.e.o	53	41	-	0.3	4.1		
England, E.	Felixstowe ... ..	bcq	bcqp	54	39	-	6	2.7	Wales.	Rhyl ... ..	.	.	50	40	7	1	2.3		
	Southend-on-Sea...	or.cq	ph.bcq	53	38	0.3	5	1.0		Colwyn Bay ... ..	.	.	46	40	7	-	1.1		
										Llandudno ... ..	c.c.	cp.c	49	41	9	0.2	2.1		
										Aberystwyth ... ..	r.o.c	bc.o	48	46	3	-	3.5		
England, S.E.	Tunbridge Wells	or.o	c.bc.b	51	41	2	3	2.0	England, S.W.	Tenby ... ..									
	Margate ... ..	or	cp.bc	54	44	-	3	1.1		Swansea ... ..									
	Ramsgate ... ..	*	*	52	38	0.2	3	1.5		Weymouth ... ..	ogp.c.	bcq.bq	54	44	0.2	1	3.1		
	Folkestone ... ..	og.rgo	g.o.bc.b	50	46	1	2	1.5		Teignmouth ... ..									
	Hastings ... ..	omro	bcq.h	52	43	1	1	2.2		Torquay ... ..	ogq.bc	cp.bc	54	44	-	1	3.5		
	Eastbourne ... ..	or	o.c.bc	51	43	1	0.4	2.3		Paignton ... ..	odpq	bcqp	54	44	-	1	3.8		
	Brighton ... ..	or.	o.c.b	53	44	1	1	2.1		Penzance ... ..	c.bcq	bcq	54	47	1	-	4.5		
	Worthing ... ..	or.	bc.	52	43	1	1	2.1		Newquay ... ..	op.cq	cq	52	41	0.3	2	3.2		
	Littlehampton ... ..	o.or	bcq	53	43	0.2	2	2.5		Bude ... ..	ofc.bc	bc.cp.b	53	44	1	-	3.9		
	Portsmouth (Sithes)	.	.	53	44	0.3	-	2.4		Ilfracombe ... ..	op.	o.c	52	48	1	1	3.2		
	Bournemouth ... ..	*	*	54	43	1	0.3	3.9		Weston-s-Mare ... ..	bcr.bc	r.bc	51	42	0.3	3	2.4		

## SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		Max. Temp. F.		Min. Temp. F.		Rainfall. †		Sun. Hours.
	7h-12h.	12h-18h.	18h-12h.	12h-18h.	12h-18h.	18h-12h.	Day, 7h-18h.	Night, 18h-7h.	
Renfrew ...	coq.pph	go.bc.pph	42	36	34	1	0.1	1.7	
Eskdalemuir ...	psq	ps.c.o	39	32	30	3	1	1.5	
Valencia (Cahire'n)	ph.rf	ps.c.o	51	45	41	1	-	3.1	
Baldonnel ...	go.fco.bc	bcq.r.f	49	37	33	0.2	0.3	2.8	
Manchester (Alca. Rk.)	g.r.f	ogp.co.ph	53	36	32	2	1	4	
Ross on Wye...	pd.rgo	ogp.co.ph	51	38	31	2	1	3.5	
Falmouth ...	cop.bcc	bc.cq	53	44	41	1	-	4.2	
Calshot (Hants)...	pd.g.p.r	bc.cq	54	38	36	0.4	0.3	2.7	
Lympne (Folkestone)	g.r.f	ogp.co.ph	50	36	33	2	0.1	1.7	
Aberdeen ...	ps.q	bcq	39	36	33	-	3	5.2	
Howden ...	ph.q	q.b.bc	49	35	32	8.3	-	2.4	
Cranwell (Linca)...	bcq	bcq	50	34	33	4	1	2.8	
Felixstowe ...	coq.h.r	bcq.h.r	51	37	35	6	0.1	2.8	
Shoeburyness ...	g.r.f	ogp.co.ph	55	36	34	3	2	2.0	
Benson ...	c.o.p	r	53	37	28	3	0.2	*	
S. Farnborough ...	o.r.f	bcq	53	37	32	2	1	2.5	
London (Kew Obs.)	g.p.bccq	q.b.bc	54	39	34	2	0.1	3.0	
Croydon ...	g.p.bccq	q.b.bc	54	38	30	2	0.1	*	

## BEAUFORT NOTATION.

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.  
e wet air without rain falling.  
f fog. g gloom.  
h hail. i lightning.  
m mist. o overcast sky.  
p passing showers.  
q squalls. r rain.  
rs sleet, i.e., rain and snow together.  
s snow. t thunder.  
u ugly, threatening sky.  
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.

Capital letters indicate intensity, and repetition of letters continuity, thus:-  
rr = heavy rain.  
rrr = continuous moderate rain.  
r.f. = continuous light rain.

## THE BEAUFORT SCALE OF WIND FORCE.

Used only for surface observations.

Limits of Velocity at about 30 feet above ground.

No.	Statute miles per hour.	Meters per second.
0	Less than 1	Less than 0.8
1	1-3	0.8-1.5
2	4-7	1.6-3.8
3	8-13	5.4-5.4
4	14-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-39	13.9-17.1
8	40-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.1
11	64-75	28.2-33.6
12	Above 76	33.7 or above

## SYMBOLS—

Solar halo ☉  
Aurora ✨  
Glazed frost ❄️  
Glazed roads 🌧️  
Line Squall 🌩️  
Snow lying ❄️

## LONDON OBSERVATIONS.

	WEATHER.		Max. Temp. F.		Min. Temp. F.		Rainfall.		Sunshine to Sunset.		Humidity %	
	Morning.	Afternoon.	Night.	18h.	9h.	12h.	mm.	Hours.	18h.	9h.	G.M.T.	G.M.T.
24 HOURS ENDED 9H G.M.T. 12 <sup>th</sup>												
Greenwich (Royal Observatory)	a bc P.	bc P.	b. bc.	54	37	31	4	2.0	62	76		
City (Bunhill Row)	*	*	*	*	*	*	*	1.9	*	*		
Westminster (St. James's Park)	*	*	*	55	38	31	3	2.3	61	76		
Regents P. (Botanist Gds)	*	*	*	*	*	*	*	2.2	*	*		
Camden Sq. (British Rainfall)	atq	bcq	*	54	36	31	4	*	64	75		
Kensington Palace	op. bc	bc R.	*	55	39	34	5	*	69 (18h)	74		
Hampstead Observatory	*	*	*	*	*	*	*	3.1	*	*		

## SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday  
Total 199 Joules.  
Average Rate 6.6  
Maximum Rate 21

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

19 <sup>th</sup> & 20 <sup>th</sup> JAN. 1921			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth...	7.54	12.4	4.13
	7.53	12.4	4.15
Greenwich	7.57	12.11	4.25
	7.56	12.11	4.26
Wick	8.46	12.23	4.9
	8.44	12.23	4.9
Valencia ...	9.40	12.52	5.6
	9.39	12.52	5.6

## Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minors at Greenwich Observatory.

Exposure from 17<sup>h</sup> 15<sup>m</sup> to 17<sup>h</sup> 30<sup>m</sup>  
to 17<sup>h</sup> 45<sup>m</sup> to 17<sup>h</sup> 55<sup>m</sup>

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	17 15	12 4	91
8 Ursae	17 15	11 25	86
Minors			

## NOTES ON THE WEATHER OF YESTERDAY.

A severe Westerly gale swept across the British Isles. There was heavy rain and hail at times in the South and some sleet as well, in a few instances accompanied by lightning and thunder; the total precipitation measured was however moderate, 10mm at Clacton being the largest amount.

In Scotland generally the temperature only slightly exceeded 40°, but it reached 54° at several Southern stations.





## AIR MINISTRY.

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

BRITISH SECTION.

No. B.21,609

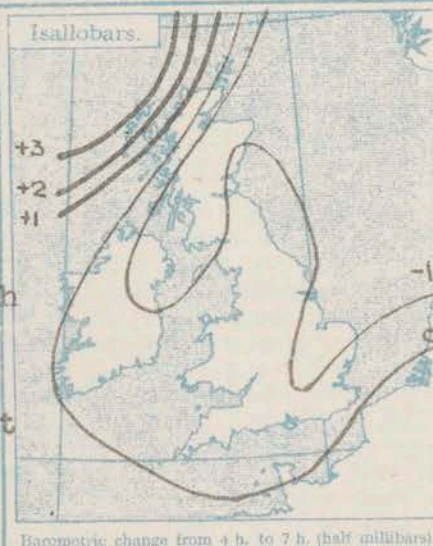
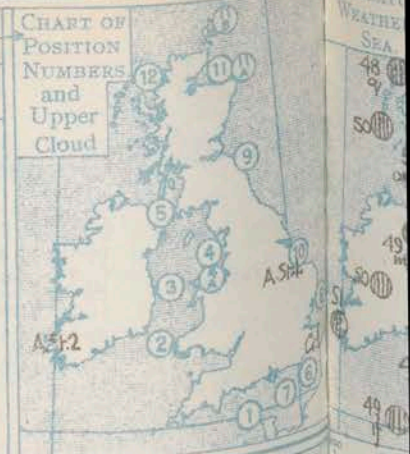
...THURSDAY, 20 JANUARY, 1921.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 12H.																													
STATIONS.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND.		WEATHER.	TEMP. °F.	Humidity. %	Visibility. 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND.		WEATHER.	TEMP. °F.	Humidity. %	Visibility. 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea.	
			Dir.	Force						Form.	Amt.	Form.	Amt.				Dir.	Force						Form.	Amt.				
			12H. G.M.T. 19 <sup>th</sup>																										
Renfrew ...	1022.0	+4	WSW	4	0	44	75	7	2000	StrCu	6	ASr	3	*	1022.6	0	SW	4	od	45	92	5	1250	Nb	10	-	-	*	
Eskdalemuir ...	1022.3	+4	NNW	5	C	40	75	7	3000	Cu	7	Cu	1	*	1022.8	+3	W	4	0	45	85	7	-	Cu	7	ASr	3	*	
Valencia (Cahire'n)	1032.8	+1	W	4	0	50	75	7	3000	StrCu	4	ASr	5	5	1032.3	0	SW	3	od	50	97	5	4500	Str	10	-	-	4	
Baldonnel ...	1021.5	+1	SW	4	0f	45	85	7	2000	StrCu	8	ASr	1	*	1021.9	0	WSW	2	0f	46	85	7	3000	StrCu	7	ASr	2	*	
Manchester (Alex. Pk.)	1024.7	+3	WSW	5	0d	45	75	4	1250	Nb	6	ASr	3	*	1026.6	+2	W	3	0f	43	85	4	1250	StrCu	7	-	-	*	
Ross on Wye ...	1027.0	+3	NNW	3	0	45	75	9	4200	StrCu	8	Cu	1	*	1029.3	+3	NNW	3	0	44	75	9	3000	StrCu	9	-	-	*	
Falmouth ...	1032.1	+1	NNW	5	0	48	75	7	-	StrCu	9	-	-	*	1033.1	+1	NNW	3	0	47	75	7	-	StrCu	9	-	-	*	
Calshot (Hants) ...	1027.4	+4	NNW	5	bif	47	65	6	4200	Cu	1	ASr	1	3	1030.1	+4	NNW	3	0	46	75	8	3000	StrCu	9	-	-	2	
Lympe (Folkestone)	1023.8	+5	NNW	6	caz	44	75	7	2000	StrCu	7	-	-	*	1027.5	+5	NNW	4	CZ	42	75	6	2000	StrCu	7	-	-	*	
Aberdeen ...	1017.8	+5	NNW	4	C	41	65	8	3000	StrCu	8	-	-	3	1018.4	-1	SSW	2	0f	41	75	4	2000	Str	10	-	-	3	
Howden ...	1021.7	+3	NNW	6	bq	45	65	8	3000	Cu	2	ASr	1	*	1024.7	+2	NNW	4	cm	41	92	7	5000	Str	4	ASr	5	*	
Cranwell (Lincs) ...	1023.0	+4	NNW	5	b	44	75	6	3000	Cu	1	-	-	*	1026.3	+4	NNW	3	0f	43	85	5	3000	StrCu	9	-	-	*	
Felixstowe ...	1021.8	+4	NNW	5	bz	45	75	7	-	-	-	-	-	*	1026.4	+6	NNW	3	0f	42	85	7	4200	StrCu	10	-	-	*	
Shoeburyness ...	1023.1	+5	NNW	3	b	46	65	6	4200	Cu	1	-	-	*	1026.8	+5	-	0	C	42	75	7	4200	StrCu	3	ASr	5	*	
Benson ...	1025.3	+5	NNW	4	bc	46	65	8	-	Cu	5	-	-	*	1028.1	+3	NNW	2	0	44	75	7	-	StrCu	10	-	-	*	
S. Farnborough ...	1026.2	+3	NNW	5	C	43	65	7	3000	StrCu	8	-	-	*	1029.0	+4	NNW	4	0	45	75	6	2000	StrCu	10	-	-	*	
London (Kew Obs.)	1025.6	+4	NNW	4	C	46	65	6	4200	Cu	7	-	-	*	1028.5	+4	NNW	2	0f	44	75	5	3000	StrCu	10	-	-	*	
Croydon ...	1025.8	+4	NNW	4	0f	45	65	5	2000	StrCu	9	-	-	*	1028.8	+4	NNW	4	0f	44	75	5	2000	StrCu	10	-	-	*	
1H. G.M.T. OF 20 <sup>th</sup>																													
Renfrew ...	1019.2	-3	WSW	6	Cq	50	97	7	750	StrCu	7	-	-	*	1018.6	-1	WSW	6	q. 0d	50	102	16	750	Str	10	-	-	*	
Eskdalemuir ...	1021.4	-2	WSW	4	odm	44	92	5	-	Nb	10	-	-	*	1020.3	-1	WSW	5	0f	48	92	5	-	Str	10	-	-	*	
Valencia (Cahire'n)	1032.6	0	WSW	3	0	50	*	*	*	*	*	*	*	4	1032.2	0	SW	3	C	51	85	7	4200	Str	5	ASr	2	*	
Baldonnel ...	1025.4	+1	WSW	4	0f	49	92	5	2000	Str	10	-	-	*	1027.6	-1	SW	4	0f	49	185	16	2000	Str	10	-	-	*	
Manchester (Alex. Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1025.9	0	W	5	0f	49	92	4	2000	StrCu	10	-	-	*	
Ross on Wye ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1028.9	0	NNW	3	0	49	85	8	2000	StrCu	10	-	-	*	
Falmouth ...	1034.4	0	NNW	3	0	47	85	8	-	StrCu	9	-	-	*	1034.3	0	W	4	0	49	92	7	-	Str	10	-	-	*	
Calshot (Hants) ...	1031.7	-1	WSW	3	0	43	85	8	3000	StrCu	10	-	-	2	1031.1	0	WSW	3	0f	47	92	7	3000	StrCu	9	-	-	2	
Lympe (Folkestone)	1029.1	+2	NNW	4	b	38	85	6	4200	StrCu	3	-	-	*	1029.8	0	W	3	bc	38	92	6	4200	StrCu	5	Cu	1	*	
Aberdeen ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.9	0	SW	3	bczf	51	75	5	4200	StrCu	5	-	-	3	
Howden ...	1024.6	-1	NNW	3	0	45	92	5	2000	Str	10	-	-	*	1025.1	+1	NNW	4	q. 0d	49	92	5	2000	Str	10	-	-	*	
Cranwell (Lincs) ...	1026.4	0	W	4	0f	42	92	6	2000	StrCu	9	-	-	*	1025.2	-1	W	4	0f	46	97	5	2000	Str	8	ASr	1	*	
Felixstowe ...	1028.1	+1	NNW	3	0f	43	85	6	4200	Str	10	-	-	2	1028.0	0	SW	4	0f	42	85	6	2000	StrCu	10	-	-	1	
Shoeburyness ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1028.5	0	SW	2	bc	42	85	7	3000	StrCu	2	ASr	3	*	
Benson ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1028.4	-1	WSW	3	0	47	92	5	-	Str	10	-	-	*	
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1029.6	-1	W	3	0	44	97	6	1250	Str	10	-	-	*	
London (Kew Obs.)	1029.8	0	*	*	*	42	*	*	*	*	*	*	*	*	1029.1	-1	SW	2	C	44	85	5	2000	StrCu	8	-	-	*	
Croydon ...	1030.3	-1	WSW	4	0f	41	85	6	2000	Str	10	-	-	*	1029.6	-1	W	4	0f	46	92	6	2000	StrCu	10	-	-	*	
STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.																													
STATIONS.	BAROM. at M.S.L. mb.	TEMP. °F.	WIND.		WEATHER.	BAROMETEK. at M.S.L. mb.	TEMPERATURE. Change in 3 hours. °F.	WIND.	TEMP.	Change in 24 hours. °F.	WIND.	TEMP.	Change in 24 hours. °F.	Dir. of Upper Cloud.	Weather.	Sea.	Rainfall mm.	TEMP.			WEATHER.			Sunshine Hours.					
			Dir.	Force				Dir.	Force		Dir.	Force						Max. °F.	Min. °F.	Morning	Afternoon	Night							
			12H. G.M.T. OF 19 <sup>th</sup>																										
Lerwick ...	1011.5	38	-	0	omf	1002.8	-1	AG	+12	WSW	5	W	bcm	4	10	50	35	Cq	bc	omf	omf	omf	omf	omf	omf	omf			
Stornoway ...	1013.8	48	SSW	4	od	1011.6	+3	AG	+8	SW	5	-	og	4	3	50	39	0	od	od	od	od	od	od	od	od			
Castlebay (Barra Is.)	1018.6	48	SW	4	d.	1016.4	0	50	+6	W	5	-	0	5	0.2	50	42	0	od	od	od	od	od	od	od	od			
Malin Head ...	1021.7	47	WSW	3	ome	1019.3	0	49	+4	WSW	4	-	ome	4	trace	49	43	Cq	ome	ome	ome	ome	ome	ome	ome	ome			
Blacksod Point ...	1025.3	49	NNW	3	omd	1025.4	0	51	+10	WSW	5	-	0	5	1	54	47	omf	omf	omf	omf	omf	omf	omf	omf				
Roche's Point ...	1032.6	48	W	2	0	1032.4	0	49	+4	WSW	2	-	0	2	0.2	50	45	obc	obc	obc	obc	obc	obc	obc	obc				
Birr Castle ...	1029.7	47	SW	2	0	1028.2	0	50	+10	WSW	3	-	0	3	0	50	39	oc	oc	oc	oc	oc	oc	oc	oc				
Donaghadee ...	1025.4	45	NNW	3	bcm	1022.2	-1	49	+8	W	4	-	bcm	3	0.2	50	42	bcm	bcm	bcm	bcm	bcm	bcm	bcm	bcm	bcm			
Liverpool (Bidston)	1027.4	46	W	4	C	1026.1	0	48	+6	W	5	W	0	4	-	47	41	opc	opc	opc	opc	opc	opc	opc	opc				
Holyhead ...	1027.9	47	WSW	5	og	1027.1	0	50	+5	WSW	4	-	Cg	3	trace	50	43	ebcc	ebcc	ebcc	ebcc	ebcc	ebcc	ebcc	ebcc				
Pembroke (St. Ann's Head)	1031.4	47	NNW	4	ovzf	1031.3	0	49	?	W	4	-	bv	4	1	50	45	cov	cov	cov	cov	cov	cov	cov	cov				
Scilly (St. Mary's)	1033.7	48	NNW	3	C	1034.6	0	49	+1	NNW	4	-	0f	5	0.4	50	48	Cq	Cq	Cq	Cq	Cq	Cq	Cq	Cq				
Jersey (St. Aubin)	1032.3	48	NNW	4	0	1034.2	0	48	+1	NNW	3	-	0	3	-	51	46	ob	ob	ob	ob	ob	ob	ob	ob				
Portland Bill ...	1030.8	47	NNW	5	bc	1031.9	0	47	+1	WSW	5	-	0	6	-	48	45	Cq	Cq	Cq	Cq	Cq	Cq	Cq	Cq				
Dungeness ...	1026.6	41	N	4	C	1029.6	0	43	+5	NNW	3	-	b	3	-	45	39	bq	bq	bq	bq	bq	bq	bq	bq				



## SUMMARY OF CONDITIONS AT 7 h.G.M.T. 20.1.1921.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Temperature reported from Coastal and Cross Channel Steamers.				
				Position Number.	Date	Time G.M.T.	Sea °F	Air °F
1. S.E. England	Variable sky, local mist.	Fair	Slight	2	19 <sup>h</sup>	0215	51	46
2. E. England	Fair to dull, local mist.	"	Smooth	7	19 <sup>h</sup>	0515	47	45
3. E. Midlands	Dull.	Indiff.	-	4A	19 <sup>h</sup>	0340	45	43
4. W. Midlands	Dull.	Fair	-	5	19 <sup>h</sup>	0855	47	46
5. S.W. England	Dull, local mist.	Good	R. Rough	3	19 <sup>h</sup>	1020	49	44
6. South Wales	Variable sky.	V. Good	Mod.	8	19 <sup>h</sup>	1000	46	47
7. North Wales	Cloudy or dull.	Fair	Slight	7	20 <sup>h</sup>	0307	50	49
8. N.W. England	Dull, local mist.	Indiff.	Mod.	2	20 <sup>h</sup>	0300	51	50
9. N. Midlands	Dull, local mist.	Poor	-					
10. N.E. England	Dull, local mist & drizzle.	Indiff.	Mod.					
11. E. Scotland	Fair to dull, local mist.	"	Slight					
12. S.W. Scotland	Dull, misty, local rain & (squalls.)	"	Mod.					
13. Isle of Man	Cloudy.	-	-					
14. N. & N.W. Scotland	Dull, local squalls & rain.	Indiff.	"					
15. Hebrides	Dull, squally.	"	R. Rough					
16. Orkneys and Shetlands	Fair to dull, squally, local (mist.)	Poor	Mod.					
17. N.W. Ireland	-	-	-					
18. N.E. Ireland	Fair to dull, local mist.	Fair	Slight					
19. S.E. Ireland	Cloudy or dull.	"	Mod.					
20. S.W. Ireland	Cloudy.	"	"					



GENERAL INFERENCE from observations received up to 9h.

The large anticyclone to the South-Westward of this country maintains its position with little modification, and as there are no indications of the approach of any important depression from the Atlantic the weather is likely to be mainly fair to dull during the ensuing 24 hours. Some drizzle or showers may, however, be experienced in the far North and North-West. Temperature will continue rather high.

**EXPLANATION.**  
**BAROMETER.**—Isobars are drawn for intervals of two millibars.  
**WIND.**—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.  
**TEMPERATURE** is given in degrees F.  
**WEATHER SYMBOLS.**—  
 ○ clear sky. ○ sky & clouded.  
 ⊙ overcast sky. ● rain falling.  
 \* snow. ⊕ sleet. ▲ hail.  
 ≡ fog. ≡ mist.  
 T thunder. R thunderstorm.  
**SEA DISTURBANCE.**—  
 Rough. High.

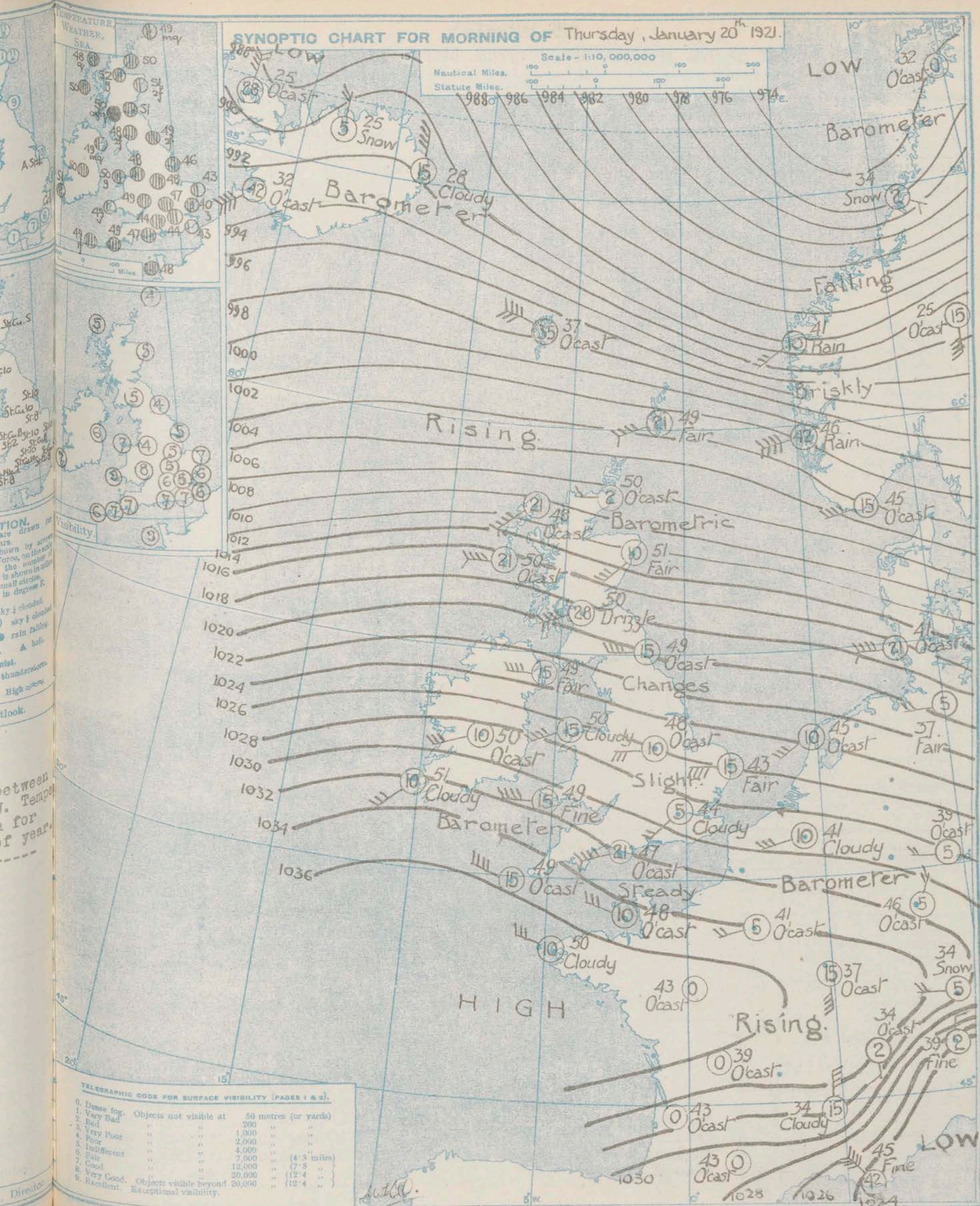
Further Outlook.

Wind between W. and S.W. Temperature high for the time of year.

Districts.	Forecasts for the 24 hours commencing 15 h.G.M.T. Thursday, 20th January, 1921.
1. S.E. England	Wind mainly from W., light or moderate, fresh at times locally; cloudy or overcast generally, but fairer intervals; visibility fair to good; mild.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	Wind W., backing later, moderate, fresh at times; much cloud, some local drizzle or showers; visibility fair; mild.
9. N. Midlands	
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	Wind between W. and S.W., light or moderate; cloudy or overcast, some fairer intervals; visibility fair; mild.
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 Thursday, January 20 1921.



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

GRADE FOR SURFACE VISIBILITY (PAGES 1 & 2)			
0	Dense fog.	Objects not visible at	50 metres (or yards)
1	Very Bad	"	200 "
2	Bad	"	1,000 "
3	Very Poor	"	2,000 "
4	Poor	"	4,000 "
5	Indifferent	"	7,000 " (4.3 miles)
6	Fair	"	12,000 " (7.5 "
7	Good	"	20,000 " (12.4 "
8	Very Good.	Objects visible beyond	20,000 " (12.4 "
9	Excellent.	Exceptional visibility.	



# AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1921. No 20...

Thursday  
20th JANUARY

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

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		
	Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night.	Day.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night.	Day.	Sunrise to Sunset.		
					12h-1h.	1h-12h.							12h-1h.	1h-12h.			
Scotland.	Oban ... ..	bco pd.	o pd. o	47	37	2	0.3	0.0	England, N.W.	Douglas (I.O.M.)							
	Banff ... ..	cbcc	oc bcc	42	36	2	-	2.2		Blackpool ... ..	bc	o	45	36	2	0.8	
	Montrose ... ..									Southport ... ..	corc	bcocbc	44	37	1	0.2	
	St. Andrews ... ..	b	b	46	35	-	-	2.9		MORECAMBE	-	-	46	36	1	1.0	
England, N.E.	Harrogate ... ..	b	b bc	44	34	1	-	5.8	Midlands.	Buxton ... ..							
	Scarborough ... ..	b	b	46	37	-	-	5.4		Leamington Spa...							
	Skegness ... ..	b	b	41	35	-	-	6.4		Malvern ... ..							
England, E.	Lowestoft ... ..									Bath ... ..	oc bcb	oc	47	41	1	1.4	
	Felixstowe ... ..	b	b cm	45	37	0.3	-	6.6		Rhyl ... ..	bc	bo	46	40	-	1.7	
	Southend-on-Sea...	bc q b	bbcc	46	33	3	-	9.5		Colwyn Bay ... ..	-	-	45	38	-	0.5	
England, S.E.	Tunbridge Wells	bc b	bcc o	46	37	0.3	-	3.2	Wales.	Llandudno ... ..	*	*	46	40	1	1.2	
	Margate ... ..	b	b bc	45	37	-	-	4.8			Aberystwyth ... ..	roc	co	47	40	1	0.5
	Ramsgate ... ..	*	*	44	36	1	-	6.1			Tenby ... ..						
	Folkestone ... ..	rc bc	c	46	37	1	-	4.7			Swansea ... ..						
	Hastings ... ..	b bc	bco	46	39	trace	-	4.2									
	Eastbourne ... ..	bc	bcc o	47	39	0.2	-	5.3	England, S.W.	Weymouth ... ..	bcc	cbcb	48	41	-	1.0	
	Brighton ... ..	bc	bc	47	39	1	-	4.5			Teignmouth ... ..						
	Worthing ... ..	b bc	bc	47	39	-	-	4.4			Torquay ... ..	b bc	bcc bc	50	43	-	3.3
	Littlehampton ... ..	bc	bc	48	38	-	-	5.2			Paignton ... ..	b bc	bcc o	49	42	-	2.7
	Portsmouth (S'head)	-	-	49	43	2	-	5.3			Penzance ... ..	c	co	50	44	1	0.9
	Bournemouth ... ..	*	*	46	40	-	-	3.0			Newquay ... ..	oc	opo	49	46	-	0.3
	Ventnor (I. of W.)	*	*								Bude ... ..	o	c	49	44	-	1.0
											Ilfracombe ... ..	o	o	49	44	-	0.4
											Weston-s-Mare ... ..	c	bcc	47	40	1	0.5

STATIONS.	SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.	THE BEAUFORT SCALE OF WIND FORCE.		
	WEATHER.				Max. Temp. F.	Min. Temp. F.	Min. on Grass F.	RAINFALL. †		Sun. Hours.		No.	Limits of Velocity at about 30 feet above ground.	
	7h-12h	12h-1h	1h-12h	1h-12h				Day. 7h-12h	Night. 12h-1h				Statute miles per hour.	Metres per second.
Renfrew ...	bcc	o	o	o	50	39	42	38	trace	1	1.9		0	Less than 1
Eskdalemuir ...	bcc	o	o	o	48	36	39	36	-	2	3.7	1	1-3	0.9-1.5
Valencia (Cabrera) ...	o	o	o	o	51	46	48	48	-	-	1.2	2	4-7	1.5-2.8
Baldonnel ...	o	o	o	o	49	37	42	42	trace	trace	1.0	3	8-13	2.4-5.4
Manchester (Alex. Pk.)	bcc	o	o	o	49	39	38	38	-	2	*	4	14-18	5.5-7.9
Ross on Wye...	bcc	o	o	o	49	39	38	38	-	-	2.0	5	19-24	8.0-10.7
Falmouth ...	bcc	o	o	o	50	44	42	42	-	-	1.0	6	25-31	10.8-13.8
Calshot (Hants)...	bcc	o	o	o	48	40	39	39	-	-	5.4	7	32-38	13.9-17.1
Lymington (Folkestone)	bcc	o	o	o	44	34	31	31	-	-	5.6	8	39-46	17.2-20.7
Aberdeen ...	bcc	o	o	o	52	38	36	36	-	-	2.1	9	47-54	20.8-24.4
Howden ...	bcc	o	o	o	49	37	36	36	-	-	6.1	10	55-68	24.5-28.5
Cranwell (Lincs) ...	bcc	o	o	o	46	36	37	37	-	0.1	6.8	11	69-85	28.6-38.5
Felixstowe ...	bz	b	b	b	46	39	36	36	-	-	6.4	12	86-100	Above 75
Shoeburyness ...	bcc	o	o	o	46	38	37	37	-	-	5.6			
Benson ...	bcc	o	o	o	48	36	28	28	-	-	*			
S. Farnborough ...	bcc	o	o	o	47	37	32	32	-	-	3.7			
London (Kew Obs.)	bcc	o	o	o	46	39	34	34	-	-	2.8			
Croydon ...	bcc	o	o	o	46	38	36	36	-	-	*			

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.
e	wet air without rain falling.
f	fog.
g	gloom.
h	hail.
l	lightning.
m	mist.
o	overcast sky.
p	passing showers.
q	squalls.
r	rain.
rs	sleet, i.e., rain and snow together.
s	snow.
t	thunder.
u	ugly, threatening sky.
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.

Capital letters indicate intensity, and repetition of letters continuity, thus:-
R = heavy rain.
rr = continuous moderate rain.
r.r. = continuous light rain.

Solar halo ☉
Aurora ☀
Rime ☁
Lunar halo ☾
Solar corona ☼
Lunar corona ☾
Snow lying ❄

LONDON OBSERVATIONS.	WEATHER.		Max. Temp. F.	Min. Temp. F.	Min. on Grass. F.	Rain-fall. mm.	Sun-shine to Sunset. Hours.	Humidity %		Vertical Component of Solar Radiation per Square Centimetre during yesterday.	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.		
	Morning.	Afternoon.						15h. G.M.T.	1h. G.M.T.		20th JANUARY.	21st JANUARY.	1921.
Greenwich (Royal Observatory)	bcc	o	46	40	33	-	1.8	67	93		Stations.	Sunrise.	Noon.
City (Bunhill Row) ...							1.6				G.M.T.	G.M.T.	G.M.T.
Westminster (St. James's Park)			47	39	32	-	2.2	67	92		Yarmouth...	7.53	12.4
Regent Pk. (B. & A. & G. & S.)							2.2				Greenwich	7.55	12.11
Camden Sq. (British Rainfall)	b	b	47	38	31	-		64	92		Wick	8.44	12.23
Kensington Palace ...	bcc	o	47	40	34	-		70 (18h)	95		Valencia ...	8.39	12.52
Hampstead Observatory ...			45	38	33	trace	3.0		95				

Photographic Record of Pole Star (Polaris) and of 3 Ursae Minoris at Greenwich Observatory.				NOTES ON THE WEATHER OF YESTERDAY.			
Exposure from 19.17.30 m. to 20.6.45 m.				Temperature rose to above 45° at nearly all stations, and touched or exceeded 50° at many. Rain fell in some Northern and Western localities, but the quantity was very slight generally; at Lerwick, however, it was 10 mm. In most parts of England the day was bright, the sunshine records varying from 4 to 6 hours.			
Stars.	Duration of Exposure.	Duration of Record.					
Polaris	13.15	6.30	49				
3 Ursae Minoris	13.15	5.52	46				

Information for these columns not usually received.

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





## AIR MINISTRY.

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

BRITISH SECTION.

No. B. 21610

FRIDAY, 21<sup>st</sup> JANUARY

1921.

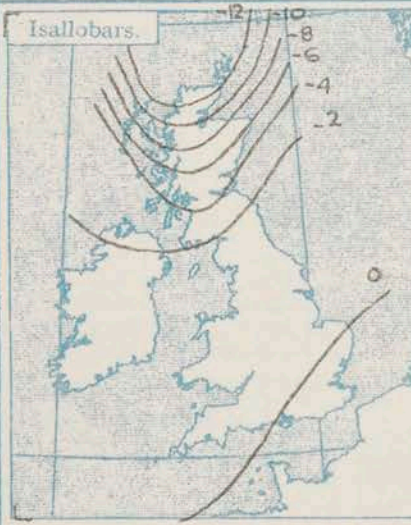
## OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 12H.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 12H.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
STATIONS.	Barom.	Temp.	Wind.	Weather.	Temp.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.	Upper Cloud.	Sea.	Barom.	Temp.	Wind.	Weather.	Temp.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.	Upper Cloud.	Sea.	Barom.	Temp.	Wind.	Weather.	Temp.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.	Upper Cloud.	Sea.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	at M.S.L.	°F.	Dirac.	Force 0-12.	°F.	%	0-3.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	at M.S.L.	°F.	Dirac.	Force 0-12.	°F.	%	0-3.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	at M.S.L.	°F.	Dirac.	Force 0-12.	°F.	%	0-3.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	mb.												mb.												mb.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
12H. G.M.T. OF 20 <sup>th</sup>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Renfrew ...	1020.1	+1	WSW	5	od.	50	97	6	750	Nb	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10	-	1021.3	+1	WSW	5	od.	50	92	5	750	St.Cu	10</



Temperature reported from Coastal and  
Cross Channel Steamers

CHART OF  
POSITION  
NUMBERS  
and  
Upper  
Cloud



Lower Cloud.

St. Cu 6

St. Cu 10

Strio

[St. Cu 7]  
[St. 3]

St. Cu 10

[Strio]  
[Cu 2]

St. Cu 9

St. Cu 10

Cu 2

St. Cu 10

Strio 10

Strio 10

Nib 10

Strio

**EXPLANATION.**

**BAROMETER.**--Inch is drawn in  
intervals of two millibars

**WIND.**--Direction is shown by arrow  
flying with the wind. Force, on the scale  
0-12, is indicated by the number of  
feathers. Mean velocity is shown in miles  
per hour by figures in small circles.

**TEMPERATURE** is given in degrees F.

**WEATHER SYMBOLS.**

☉ clear sky. ☁ sky  $\frac{1}{2}$  clouded.  
☁ sky  $\frac{1}{2}$  clouded. ☁ sky  $\frac{3}{4}$  clouded.  
☁ overcast sky. ☁ rain falling.  
❄ snow. ☁ elect. ▲ hail.  
☁ fog. ☁ mist.  
☁ thunder. ☁ thunderstorm.

**SEA DISTURBANCE.**-- High ~~~~~  
Low ~~~~~

A new depression South of Iceland will cause freshening South-Westerly winds which may reach gale force in the North. The weather will be cloudy and mild with some rain in all districts, during the next day or two.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 21st January, 1921.	Further Outlook.
1. S.E. England	Wind S.W., fresh to strong; cloudy, some rain, visibility fair to good; mild.	Alternating stormy and fair periods with Westerly winds. Temperature mainly high for the time of year. -----
2. E. England		
3. E. Midlands		
4. W. Midlands		
5. S.W. England		
6. South Wales		
7. North Wales	Strong S.W. wind, a gale at times in exposed places; much low cloud, rain at times; visibility indifferent to good; mild.	▼ South Cone hoisted 09.00h. 21 <sup>st</sup> JAN. 1921
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. Orkney and Shetlands		
17. N.W. Ireland		
18. N.E. Ireland		
19. S.E. Ireland	Same as 1 - 6.	
20. S.W. Ireland		

### Further Outlook.

Alternating  
stormy and fair  
periods with  
Westerly winds.  
Temperature mainly  
high for the time  
of year.

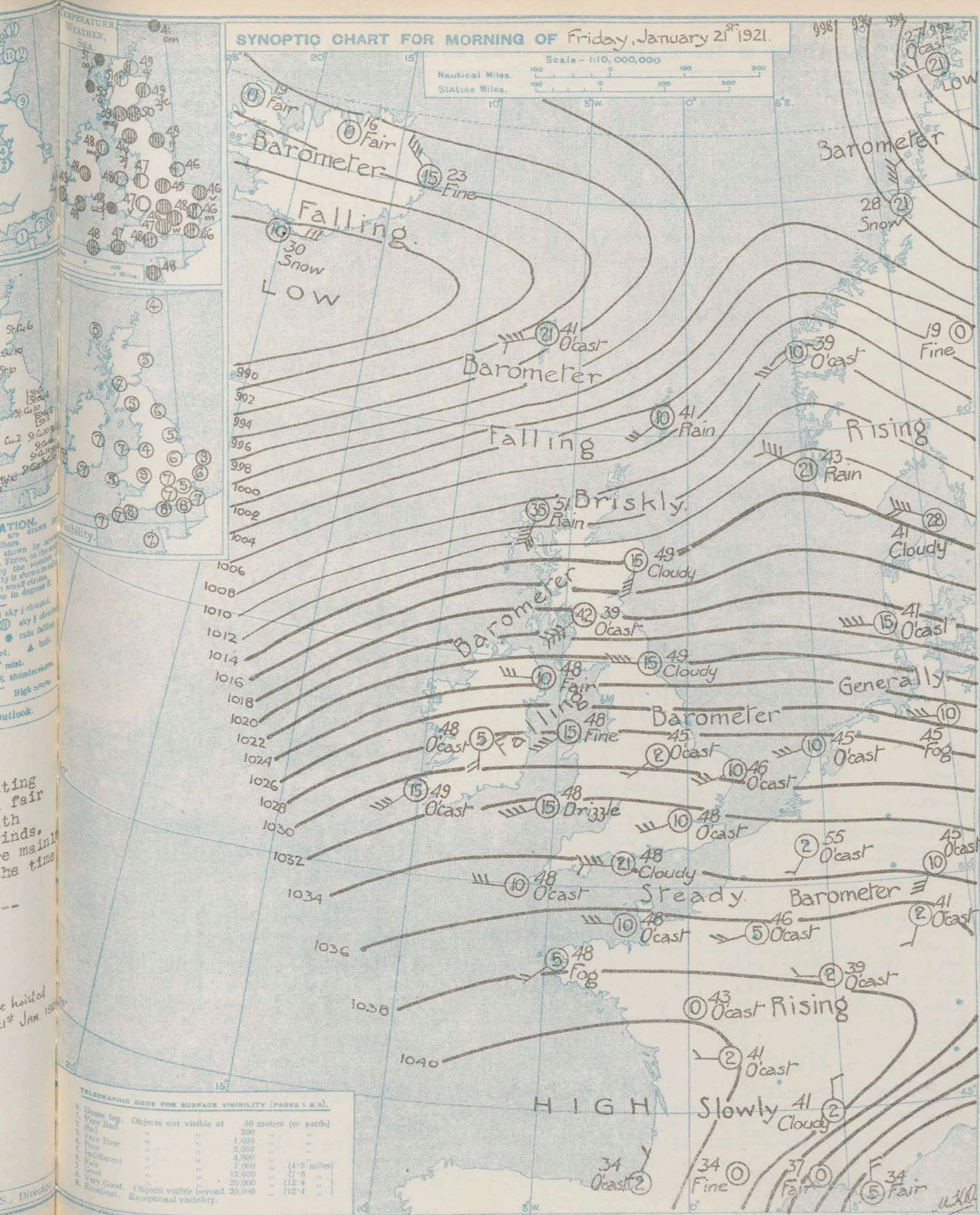
↓ South Cone hoisted  
09.00h. 21<sup>st</sup> JAN. 1902



SYNOPTIC CHART FOR MORNING OF Friday, January 21<sup>st</sup> 1921

Scale - 1:10,000,000

Nautical Miles  
Statute Miles.



TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2)

GRADE FOR SURFACE VISIBILITY (PAGES 1 & 2)			
	Objects not visible at	50 metres (or yards)	
1. Dense fog.	"	200	" "
2. Very Bad	"	1,000	" "
3. Bad	"	2,000	" "
4. Poor	"	4,000	" "
5. Poor	"	7,000	" (4.8 miles)
6. Indifferent	"	12,000	" (7.5 "
7. Fair	"	20,000	" (12.4 "
8. Good	"	20,000	" (12.4 "
9. Very Good.	Objects visible beyond	20,000	"
10. Excellent.	Exceptional visibility.		



WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 20																		
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 10h-11h.	Day. 12h-10h.	Sunrise to Sunset. 20		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 10h-11h.	Day. 12h-10h.	Sunrise to Sunset. 20		
Scotland.	Oban ...	c. ad	c. st	50	43	1	6	0.0	England, N.W.	Douglas (L.O.M.)								
	Banff ...	c. c. bc	bc. co	52	41	-	0.1	2.0		Blackpool ...	a	c. o	49	43	2	-	0.7	
	Montrose ...									Southport ...	c. o. c	c. bc. co	49	44	1	-	1.0	
	St. Andrews ...									Morecambe ...	#	#	48	43	3	-	0.0	
England, N.E.	Harrogate ...	a. c.	c. a	49	40	0.2	-	0.0	Midlands.	Buxton ...								
	Scarborough ...	bc	bc	52	40	-	-	0.0		Leamington Spa ...	a. c. b	c. b	53	37	-	-	0.3	
	Skegness ...	a. bc. b	bc. o	47	36	-	-	2.1		Malvern ...	a. c	c. o	54	41	-	-	2.1	
	Lowestoft ...									Bath ...	a. c	a	51	41	-	-	0.0	
England, E.	Felixstowe ...	cm	bc	54	39	-	-	4.3	Wales.	Rhyl ...	c. bc	bc. c	54	44	1	-	0.9	
	Southend-on-Sea ...	a. bc. c	bc. b	52	37	-	-	2.6		Colwyn Bay ...	#	#	53	44	-	-	0.3	
England, S.E.	Tunbridge Wells	a	a. c. o	51	37	-	-	0.5		Wales.	Llandudno ...	a. c	c. o	51	46	1	-	1.3
	Margate ...	c	bc. c	53	41	-	-	1.2			Aberystwyth ...	T. o. c	c. o	48	42	1	-	0.0
	Ramsgate ...	#	a	53	38	-	-	2.5	Tenby ...									
	Folkestone ...	a	c. a	51	38	-	-	1.5	Swansea ...									
	Hastings ...	ae	a. bc. c	50	38	-	-	0.1	England, S.W.	Weymouth ...	a. bc	bc. o	56	43	-	-	2.9	
	Eastbourne ...	a	c. bc. o	50	41	-	-	1.0		Teignmouth ...								
	Brighton ...	a	bc	50	41	-	-	1.6		Torquay ...	bc. b	bc. c	57	45	-	-	3.6	
	Worthing ...	a. bc	a	51	38	-	-	0.2		Paignton ...	bc	c	55	42	-	-	3.2	
	Littlehampton ...	bc	a. c	52	36	-	-	1.7		Penzance ...	c. o	c. c	53	47	0.3	0.1	0.0	
	Portsmouth (S. base) ...	a	a	55	43	-	-	1.4		Newquay ...	cm	o. p	51	47	0.1	0.1	0.0	
	Bournemouth ...	#	#	55	42	-	-	0.9		Bude ...								
								Ilfracombe ...	a	a	51	45	-	-	0.0			
								Weston-s-Mare ...	bc. c	bc	50	40	-	-	2.5			

SUMMARIES FOR PAST 24 HOURS.													
STATIONS.		WEATHER.		Max. Temp. °F.		Min. Temp. °F.		Mid. on Grass °F.		Rainfall. †		Sun.	
		7h-10h 20	10h-12h 20	10h-12h 20	10h-12h 20	10h-12h 20	10h-12h 20	10h-12h 20	10h-12h 20	Day. 7h-10h	Night. 10h-12h	Hours.	Hours.
Renfrew ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Eskdalemuir ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Valencia (Cableway) ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Baldonnel ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Manchester (Alex. Pk.) ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ross on Wye ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Falmouth ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Calshot (Hants) ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lymington (Folkestone) ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Aberdeen ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Howden ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cranwell (Lincs) ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Felixstowe ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Shoeburyness ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Benson ...	...	...	...	...	...	...	...	...	...	...	...	...	...
S. Farnborough ...	...	...	...	...	...	...	...	...	...	...	...	...	...
London (Kew Obs.) ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Croydon ...	...	...	...	...	...	...	...	...	...	...	...	...	...

## BEAUFORT NOTATION.

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.  
 e wet air without rain falling.  
 f fog.  
 g gloom.  
 h hail.  
 i lightning.  
 m mist.  
 o overcast sky.  
 p passing showers.  
 q squalls.  
 r rain.  
 s sleet, i.e. rain and snow together.  
 t thunder.  
 u ugly, threatening sky.  
 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.

## THE BEAUFORT SCALE OF WIND FORCE.

Limits of Velocity at about 30 feet above ground.		
No.	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-2	0.3-1.5
2	3-7	1.5-3.4
3	8-12	3.4-5.4
4	13-18	5.4-7.8
5	19-24	7.8-10.7
6	25-31	10.7-13.6
7	32-38	13.6-17.3
8	39-46	17.3-20.7
9	47-54	20.7-24.4
10	55-63	24.4-28.4
11	64-75	28.4-33.5
12	Above 75	33.5 or above

SYMBOLS— Solar halo ☉  
 Aurora ☀  
 Glazed frost ☁  
 Glazed roads ☁  
 Line Squall ☁  
 Lunar halo ☾  
 Solar corona ☼  
 Lunar corona ☾  
 Snow lying ☄

Capital letters indicate intensity, and repetition of letters continuity, thus:—  
 R = heavy rain.  
 rr = continuous moderate rain.  
 r.f. = continuous light rain.

LONDON OBSERVATIONS.													
STATIONS.		WEATHER.		Max. Temp. °F.		Min. Temp. °F.		Min. on Grass °F.		Rain-fall.		Sun-shine to Sunset.	
		Morning.	Afternoon.	Night.	Night.	Night.	Night.	Night.	Night.	mm.	mm.	Hours.	Hours.
24 HOURS ENDED 21 <sup>st</sup> JAN. 1921.													
Greenwich (Royal Observatory)	...	...	...	...	...	...	...	...	...	...	...	...	...
City (Bunhill Row)	...	...	...	...	...	...	...	...	...	...	...	...	...
Westminster (St. James's Park)	...	...	...	...	...	...	...	...	...	...	...	...	...
Regent's Pk. (Botanical Obs.)	...	...	...	...	...	...	...	...	...	...	...	...	...
Camden Sq. (British Rainfall)	...	...	...	...	...	...	...	...	...	...	...	...	...
Kensington Palace	...	...	...	...	...	...	...	...	...	...	...	...	...
Hampstead Observatory	...	...	...	...	...	...	...	...	...	...	...	...	...

## SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	
Total	232 Joules.
Average Rate.	4.4 Milliwatts.
Maximum Rate.	25

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

21 <sup>st</sup> JAN. 1921.			
Stations.	Sunrise.	Noon.	Sunset.
Yarmouth ...	7.52 G.M.T.	12.4 G.M.T.	4.16 G.M.T.
Greenwich ...	7.51	12.5	4.15
Wick ...	7.54	12.11	4.27
Valencia ...	7.40	12.12	4.29

## Photographic Record of

## Pole Star (Polaris) and of 3 Ursae

## Minoris at Greenwich Observatory.

Exposures from 20<sup>th</sup> 17. h. 30. m.  
 to 21<sup>st</sup> 6. h. 45. m.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	1/3 1/5	2 22	22
3 Ursae	1/3 1/5	2 8	16

## NOTES ON THE WEATHER OF YESTERDAY.

There was not much rain except in the North (6mm at Lerwick and Eskdale).

The temperature nearly everywhere exceeded 50°, and touched 57° at Torquay. Bright sunshine apart from three to four hours at a few places in the South, was of very short duration.

\* Information for these columns not usually received.

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



## AIR MINISTRY.

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

BRITISH SECTION.

No. B. 2/611

SATURDAY, 22<sup>ND</sup> JANUARY, 1921.

## OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 12H.

STATIONS.	12H. G.M.T. of 21 <sup>ST</sup>														12H. G.M.T. of 22 <sup>ND</sup>													
	Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Weather	TEMP. °F.	Humidity. %	Visibility 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-10.	Barom. at M.S.L. mb.	Change in 3 hours.	WIND.		Weather	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea 0-10.
			Force 0-12.	Dir.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				Force 0-12.	Dir.						Form.	Amt. 0-10.	Form.	Amt. 0-10.	
Renfrew ...	1016.8	-2	SW	S	0	50	75	8	1,250	StCu	7	AST	3	*	1012.8	-6	SW	7.5	0	50	85	8	2,000	St	7	AST	3	*
Eskdalemuir ...	1017.9	-6	SW	7	01f	46	85	6	2,000	St	10	-	-	*	1015.0	0	SW	7	0	45	92	6	-	St	10	-	-	*
Valencia (Cahire'n)	1021.8	-3	S	S	01f	51	92	7	750	St	10	-	-	S	1024.3	-4	S	5	01f	50	92	6	750	St	10	-	-	S
Baldonnell ...	1024.5	-4	SW	S	c	50	75	9	2,000	StCu	4	AST	4	*	1020.8	-3	SW	6	cq	49	75	8	2,000	StCu	5	AST	2	*
MANCHESTER (ALR) ...	1026.1	-3	SW	4	bc	54	65	8	2,000	Cu	1	Ci	4	*	1023.4	-3	SSW	4	cmld	47	85	5	3,000	CuNb	6	CiCu	2	*
Ross on Wye ...	1030.1	-2	WSW	S	bc	50	85	8	4,200	Cu	2	CiCu	2	*	1027.5	-3	WSW	5	0	48	85	8	3,000	StCu	9	-	-	*
Falmouth ...	1034.7	-2	SW	4	0	50	85	8	-	StCu	10	-	-	*	1032.2	-2	SSW	4	0do	47	92	5	-	Nb	9	-	-	*
Calshot (Hants) ...	1039.5	-2	SW	4	0	50	85	8	2,000	StCu	10	-	-	2	1031.7	-2	SSW	4	0	49	85	8	2,000	StCu	10	-	-	2
Lympe (Folkestone)	1021.9	-1	WSW	4	0	49	85	8	2,000	StCu	9	-	-	*	1030.5	+1	WSW	6	0q	46	85	8	1,250	St	10	-	-	*
Aberdeen ...	1029.5	-4	SW	4	bif	54	65	7	-	-	-	Ci	2	2	1024.3	-6	SW	4	bcif	52	65	6	-	-	-	ACu	5	2
Howden ...	1024.4	-3	WSW	4	01f	49	75	6	3,000	St	7	AST	3	*	1021.3	-2	SW	3	c	47	75	5	3,000	St	5	ACu	3	*
Cranwell (Lines) ...	1026.3	+4	WSW	6	c	52	85	6	3,000	StCu	4	ACu	4	*	1023.5	-3	WSW	6	01f	47	85	6	2,000	Cu	7	CiSt	3	*
Felixstowe ...	1030.1	-3	WSW	4	bcif	51	75	5	3,000	StCu	2	CiSt	2	3	1028.6	-2	SW	4	bcw	46	85	6	3,000	St	1	ACu	4	3
Shoeburyness ...	1030.8	-3	W	4	b	51	75	6	-	-	-	Ci	1	*	1024.3	-3	WSW	4	c	47	85	7	4,200	StCu	4	ACu	4	*
Benson ...	1031.1	-2	WSW	4	0	49	85	8	-	StCu	10	-	-	*	1024.4	-1	WSW	4	0	48	75	7	-	St	10	-	-	*
S. Farnborough ...	1032.4	-2	W	3	0	50	75	8	1,250	StCu	10	-	-	*	1030.0	-2	WSW	4	0	48	75	8	-	StCu	10	-	-	*
London (Kew Obs.)	1031.9	-2	WSW	3	0	51	75	8	4,200	StCu	9	-	-	*	1029.9	-2	SW	4	01f	49	85	6	4,200	StCu	10	-	-	*
Croydon ...	1032.0	-2	WSW	4	01f	50	75	7	2,000	StCu	9	-	-	*	1030.7	-1	WSW	4	01fq	47	85	6	1,250	StCu	10	-	-	*

	1H. G.M.T. OF 22 <sup>ND</sup>												7H. G.M.T. OF 22 <sup>ND</sup>														
Renfrew	1005.1	-3	WSW	5	01	46	92	6	2000	Nb	10	-	1007.6	+4	WSW	4	C	42	75	7	2000	StCu	7	-	-	#	
Eskdalemuir	1007.8	-6	SW	8	01	45	97	5	-	Nb	10	-	1009.1	+2	WSW	6	b	39	75	7	-	Cu	2	-	-	#	
Valencia (Cahire'oi	1019.1	-3	SW	5	01	50	85	6	-	-	-	-	1022.3	+2	WSW	4	c	47	85	7	2000	St	10	-	-	#	
Baldonnell	1015.6	-3	SSW	6	01	48	85	6	2000	StCu	10	-	1017.1	+2	SSW	4	c	47	85	7	2000	StCu	7	-	-	#	
Manchester (M <sup>2</sup> P <sup>2</sup> )	*	*	*	*	*	*	*	*	*	*	*	*	1013.9	-4	SW	5	01	49	85	3	1250	Nb	10	-	-	#	
Ross on Wye	*	*	*	*	*	*	*	*	*	*	*	*	1018.8	-3	W	6	01	48	85	8	2000	StCu	10	-	-	#	
Falmouth	1028.0	-3	SW	6	C	47	97	8	-	CuNb	7	-	1026.7	-3	WSW	5	0	48	85	7	-	StCu	10	-	-	#	
Calshot (Hants)	1028.0	-3	SSW	4	01	47	97	7	4200	Nb	10	-	1023.6	-3	SSW	6	0	48	92	8	750	St	10	-	-	4	
Lymington (Folkestone)	1025.1	-5	WSW	8	01	45	97	8	1250	St	10	-	1022.0	-4	WSW	8	01	46	97	6	750	Nb	10	-	-	#	
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	1002.7	+4	WSW	4	C	39	75	8	4200	StCu	8	-	-	2	
Howden	1015.2	-5	WSW	6	01	48	75	6	3000	St	6	AST	4	1010.7	-2	W	6	C	49	75	7	2000	St	7	-	-	#
Cranwell (Lines)	1018.9	-4	WSW	6	01	47	85	7	4200	St	22	ACu	8x	1014.9	-4	WSW	5	bc	48	85	6	1250	StCu	6	-	-	#
Felixstowe	1025.0	+3	SW	5	0	47	85	6	5700	StCu	10	-	1019.7	-5	SW	6	0	47	85	6	3000	StCu	10	-	-	4	
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	1020.8	-5	SW	6	0	49	75	7	3000	Cu	6	AST	3	#	
Benson	*	*	*	*	*	*	*	*	*	*	*	*	1019.8	-4	WSW	5	0	47	85	8	-	StCu	10	-	-	#	
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	1021.5	-5	WSW	6	0	47	92	7	1250	StCu	10	-	-	#	
London (M.O. at 1st)	1025.0	-4	*	*	*	49	*	*	*	*	*	*	1020.9	-5	SW	4	0	49	85	6	2000	StCu	10	-	-	#	
Croydon	1026.2	-6	SW	7	01	47	85	8	750	St	10	-	1021.7	-4	WSW	6	01	48	85	6	750	StCu	10	-	-	#	

## STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.

STATIONS.	BAROM. at M.S.L.		WIND.		WEATHER.	BAROMETR.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-5.	Rainfall mm.	TEMP.		WEATHER.			Subsiding.																																														
	mb.	°F.	Direc.	Force 0-12.		at M.S.L. mb.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.		Hours.																																													
15H. G.M.T. of 21 <sup>st</sup>																						7H. G.M.T. of 22 <sup>nd</sup>																						24 HOURS ENDED 7H. 22 <sup>nd</sup>																						21 <sup>st</sup>	
Lerwick	994.2	48	SW	8	omrsg	99.15	+7	24	+7	W	8	-	omrsg	6	17	50	734	omq	omrsg	or. omrsg	*																																														
Stornoway	997.5	46	SW	7	org	100.22	+3	36	-15	W	6	-	bcq	4	22	51	36	org	org	or. bcq	0.0																																														
Castlebay (Barra Is)	1003.9	50	WSW	7	+	100.7.7	+3	39	-11	WSW	5	W	cp	5	3	51	38	odp	odpr	repc	0.0																																														
Malin Head	1008.5	50	SSW	5	0q	100.2	+3	43	7	W	5	W	bcqf	5	2	53	43	omq	cq	0q p	0.0																																														
Blacksod Point	1013.9	51	SW	7	omq	101.1	+5	44	7	NW	4	-	c	5	4	45	39	c	omq	omq p	*																																														
Roche's Point	1026.8	49	SW	4	0	102.14	0	49	0	NNW	2	-	0	2	2	51	48	odp. c	o. cp. o	op. p	*																																														
Birr Castle	1020.6	49	S	4	c	1018.1	*	43	-5	W	2	-	c	*	2	53	42	c	cq	ca. pc	1.7																																														
Donaghadee	1015.9	51	WSW	5	cq	1012.0	+3	43	-5	WSW	4	-	bqm	5	1	52	43	bomq	omq	b. f. m. p. q	*																																														
Liverpool (Bidston)	1021.0	48	SW	6	b	1012.7	-3	48	+1	W	7	W	0q	5	-	50	46	bc	b	coq	5.4																																														
Holyhead	1022.5	49	SSW	7	cq. if	1015.6	0	47	-1	WSW	6	-	og	5	2	50	45	c. bcqf	cfq	oq. to	0.5																																														
Pembroke (St. Ann's Head)	1028.1	48	SW	4	odp.	1019.8	-3	49	+1	WSW	6	-	0q. pd	6	1	49	47	0	odp	odp	0.3																																														
Scilly (St. Mary's)	1031.7	48	SW	3	c	1026.1	-2	50	+2	W	5	-	c	5	1	51	47	o. c	c. bc. clp	cp	2.6																																														
Jersey (St. Aubin)	1034.6	49	SW	3	0	1028.3	-1	48	-3	SW	5	-	0	3	-	51	44	oe. c	c. o.	abo	0.4																																														
Portland Bill	1031.9	49	W	5	0	1024.4	-4	49	+1	WSW	7	-	opq	7	1	51	47	c. o	0	op. p. q. p. q	*																																														
Dungeness	1030.1	47	WSW	5	cq	1021.8	-3	47	+1	SW	6	-	rq	6	0.2	52	47	bc	bc. q.	co. cp. q	*																																														
Wick	997.9	49	WSW	6	mpdq	99.87	+5	33	-16	W	5	-	bcq	3	16	53	33	bcq. o	omq. pd	op. p. r. s. q	*																																														
Nairn	1000.0	48	WSW	7	+	1003.0	*	34	-17	W	2	-	bc	2	18	51	34	bcq. a	q. cpr	q. p. r. u. o	3.2																																														
Leith	1008.5	50	W	7	c	1005.0	+2	41	-9	W	4	-	b	3	4	52	40	oc. q. c	eq. o. c	eq. o. r. b	*																																														
Tynemouth	1016.5	48	SW	4	c. if. q	1006.5	+1	46	-3	W	4	-	omq	4	-	50	41	om	bomq	bomq	0																																														
Spurn Head	1019.7	48	WSW	6	cq	1009.1	-5	48	+2	WSW	7	-	cq	6	-	50	38	bom	c	cq	*																																														
Yarmouth (gov. wharf)	1028.5	47	WSW	4	bc	1016.5	-4	48	+2	WSW	5	-	cvq	4	-	52	44	bcz. bc	bc	o. bc. cvq	5.0																																														
Clacton-on-Sea	1028.5	46	WSW	3	bc	1019.6	-3	47	+1	WSW	4	-	cv	3	-	50	44	c. bom	bom	b. c. m. c	4.4																																														
Nottingham	1024.4	48	SW	4	c	1014.8	*	48	+3	SW	4	SW	op	*	trace	53	45	o. c	bc. c	c	4.8																																														



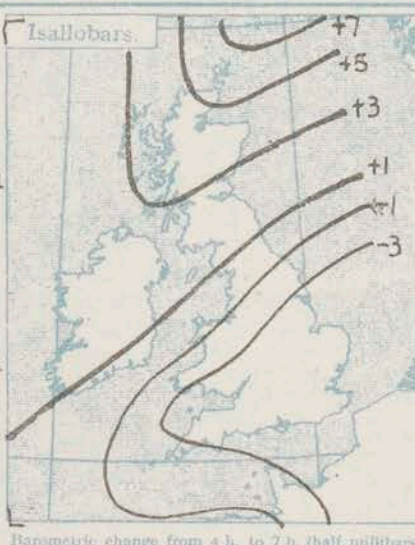
## SUMMARY OF CONDITIONS AT 7 h.G.M.T. 22.1.1921.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Dull, slight local rain.	Fair	Mod.
2. E. England	Dull.	Good	"
3. E. Midlands	Dull.	"	-
4. W. Midlands	Dull.	V. Good	-
5. S.W. England	Dull, some showers.	Good	R. Rough
6. South Wales	Squally, slight rain.	"	Rough
7. North Wales	Dull.	"	R. Rough
8. N.W. England	Dull, squally, local rain.	Fair	"
9. N. Midlands	Dull, some showers.	"	-
10. N.E. England	Fine to cloudy, squally.	"	Mod.
11. E. Scotland	Fair.	V. Good	Slight
12. S.W. Scotland	Fine to cloudy.	Good	R. Rough
13. Isle of Man	Cloudy.	"	"
14. N. & N.W. Scotland	Fair, squally.	Fair	Mod.
15. Hebrides	Fair to cloudy, squally,	"	"
16. Orkneys and Shetlands	Fair to dull, squally, (showery, sleet)	Poor	R. Rough
17. N.W. Ireland			
18. N.E. Ireland	Fair to cloudy.	Good	R. Rough
19. S.E. Ireland	Dull.	Fair	Slight
20. S.W. Ireland	Dull.	Good	Mod.

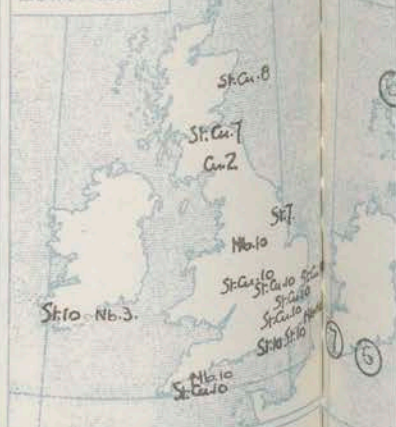
Temperature reported from Coastal and Cross Channel Steamers.

Position Number.	Date	Time G.M.T.	Sea °F	Air °F
5	21 <sup>st</sup>	0823	48	50
3	21 <sup>st</sup>	1015	49	49
1	21 <sup>st</sup>	1230	51	51
2	22 <sup>nd</sup>	0215	51	50
7	22 <sup>nd</sup>	0308	49	49

CHART OF POSITION NUMBERS and Upper Cloud



Lower Cloud.



GENERAL INFERENCE from observations received up to 9h.

Depressions will continue to pass from near Iceland to Scandinavia during the next few days maintaining Westerly winds over the British Isles with alternating fair and stormy periods and a temperature mainly high for the time of year especially in the South.

**EXPLANATION.**  
 BAROMETER.—Isobars are drawn at intervals of two millibars.  
 WIND.—Direction is shown by arrow flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.  
 TEMPERATURE is given in degrees F.  
 WEATHER SYMBOLS.—  
 ☉ clear sky. ☁ sky & clouded.  
 ☁ sky & clouded. ☁ sky & clouded.  
 ☁ overcast sky. ☁ rain falling.  
 \* snow. \* sleet. \* hail.  
 ☁ fog. ☁ mist.  
 T thunder. T thunderstorm.  
 SEA DISTURBANCE.—  
 Rough. High seas.

Districts. Forecasts for the 24 hours commencing 15h.G.M.T. Saturday, 22nd January, 1921.

1. S.E. England	Strong winds or gales from W. or W.N.W.; showery, bright intervals later, visibility good; rather mild.
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	Strong W. to N.W. wind, moderating rapidly, backing to S.W. later; rain, hail or sleet showers, visibility good; colder temporarily.
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	

Moderate to fresh N.W. wind, backing to S.W.; cloudy, some rain or hail showers, improving temporarily; becoming mild.

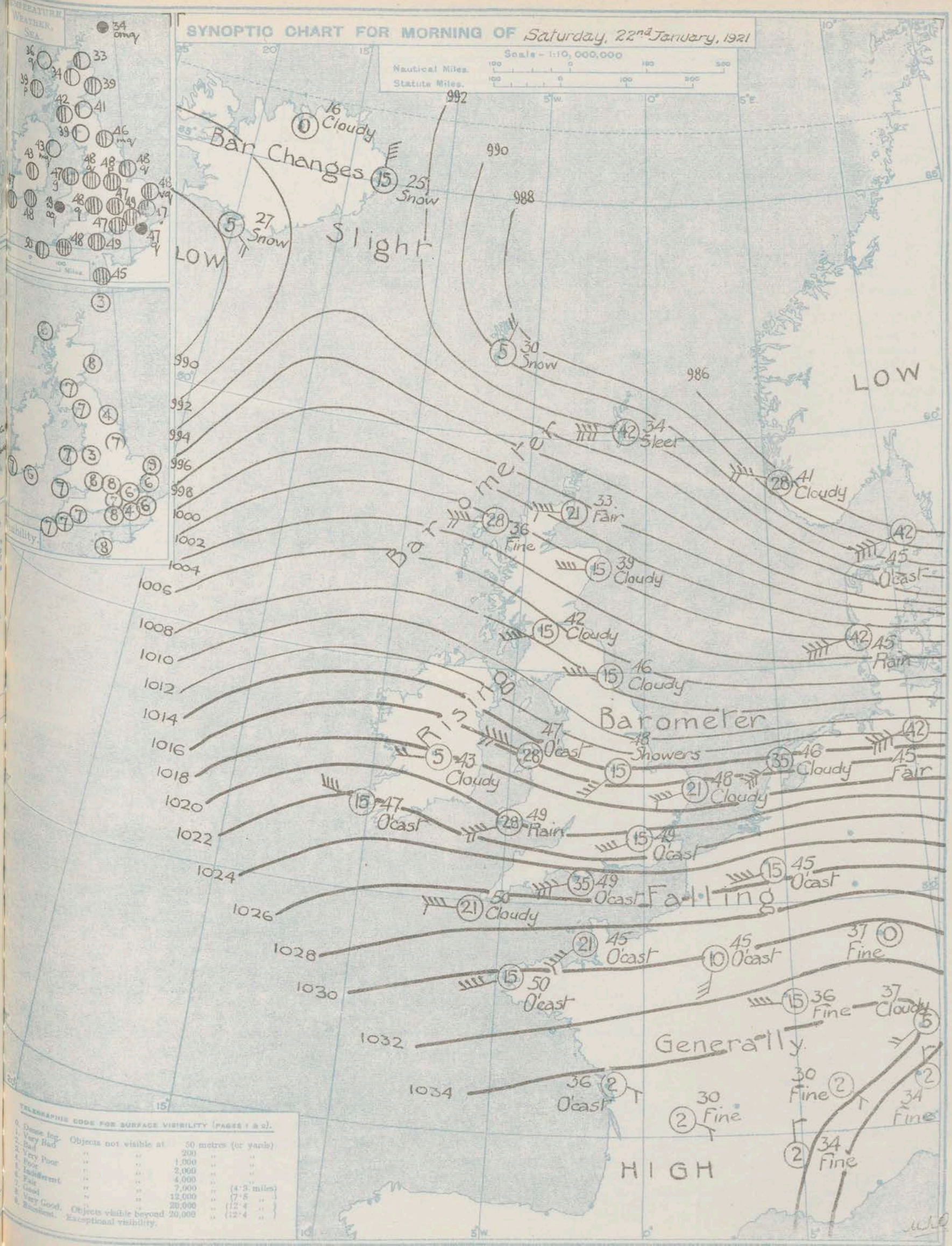
Alternating fair and stormy periods, with Westerly winds and a temperature mainly high for the time of year.

South Cone flying all districts.



# SYNOPTIC CHART FOR MORNING OF Saturday, 22<sup>nd</sup> January, 1921

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



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

Code	Objects not visible at	50 metres (or yards)
0	Dense fog	200
1	Very Bad	1,000
2	Bad	2,000
3	Very Poor	4,000
4	Poor	7,000
5	Indifferent	12,000
6	Fair	20,000
7	Good	20,000
8	Very Good	20,000
9	Excellent	20,000

Objects visible beyond 20,000 (12.4 miles)  
Exceptional visibility.



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

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		Sunshine.	STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		Sunshine.
	Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 18h-21h.	Day. 9h-18h.			Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-21h.	Day. 9h-17h.	
Scotland.								England, N.W.							
Oban ...	od	od	49	45	4	3	0.0	Douglas (I.O.M.)	o	cq	48	46	-	-	0.3
Banff ...	bc	bc	56	44	-	-	4.1	Blackpool ...	o	cq	51	44	-	-	4.0
Montrose ...	*	*	55	47	-	-	0.0	Southport ...	oc bc	bc c bc	51	44	-	-	0.0
St. Andrews ...	*	*	55	47	-	-	0.0	Morecambe	*	*	48	45	0.3	-	-
England, N.E.								Midlands.							
Harrogate ...	abc	bc	49	45	-	-	0.7	Buxton ...	bc	c	53	37	-	-	3.7
Scarborough ...	bc	bc	51	46	-	-	0.0	Leamington Spa...	bc	c	53	46	-	-	7.1
Skegness ...	c bc b	bc b oc	52	36	-	-	3.4 4.4	Malvern ...	c bc	bc b	53	46	-	-	0.0
England, E.								Bath ...	o	o bc	50	48	-	-	-
Lowestoft ...	bc m	bc m	52	43	-	-	6.7	Rhyl ...	bc	bc	52	45	-	-	4.1
Felixstowe ...	bc m	bc m	51	37	-	-	6.0	Colwyn Bay ...	*	*	54	46	-	-	5.1
Southend-on-Sea...	bc m	bc m	51	37	-	-	6.0	Llandudno ...	*	*	51	46	-	-	4.7
England, S.E.								Aberystwyth ...	p, o c	c o	50	46	1	-	0.0
Tunbridge Wells	o c	c bc c	51	45	-	-	1.0	Tenby ...							
Margate ...	o c bc	b	54	43	-	-	4.2	Swansea ...							
Ramsgate ...	*	*	53	42	-	-	5.1	Weymouth ...	c	c o	51	48	-	-	0.0
Folkestone ...	o c	c	52	43	-	-	4.3	Teignmouth ...							
Hastings ...	o c bc	bc c o	53	46	-	-	2.7	Torquay ...	bc c	c bc	53	47	-	-	1.3
Eastbourne ...	c bc	bc c o	51	47	-	-	3.4	Paignton ...	o bc o	c bc	52	46	-	-	1.0
Brighton ...	bc	o	50	47	-	-	1.6	Penzance ...	o c	cpd	51	47	1	0.2	0.1
Worthing ...	c o	o	49	47	-	-	0.2	Newquay ...	o c o	o	50	47	1	-	0.1
Littlehampton ...								Bude ...	d	d o	50	47	-	-	0.0
Portsmouth (S. Hants)	*	*	50	47	-	-	0.0	Ilfracombe ...	o	o	49	47	0.2	0.1	0.0
Bournemouth ...	*	*	50	47	-	-	0.1	Weston-s-Mare ...	c	c	49	46	-	-	0.0
Ventnor (I. of W.)	*	*													

## SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	Rainfall. †		Sun. Hours.
	7h-13h.	13h-18h.	18h-21h.	1h-7h.				Day. 7h-18h.	Night. 18h-7h.	
Renfrew ...	o q	o p	o q r q	r a b o p	51	40	36	mm. trace	mm. 7	1.0
Eskdalemuir ...	o q	o	o q o r	r r o b	46	38	36	-	11	0.0
Valencia (Cahirey) ...	c o p d	o p d	o	d d r r o	51	47	45	-	2	0.1
Baldonnel ...	o bc c	o a	q o f	Corragh 52	42	39	-	2	3.0	
MANCHESTER (4th) ...	o bc c	bc c y f	bc c z f	o a f o r	54	44	39	-	1	"
Ross on Wye ...	b bc v	bc bc o a	c o v o q	o q	52	46	41	-	-	6.5
Falmouth ...	p d o	bc bc o a	o a d c o	o	51	46	43	0.4	1	0.3
Caishot (Hants) ...	o	o	o d d	o f o	50	46	45	-	1	0.1
Lymington (Folkestone) ...	o f c o	c o	o q	o v f r	50	44	44	-	0.1	2.2
Aberdeen ...	o f c	o f c	o f c	p e o	56	39	36	-	2	2.8
Howden ...	o o f	o o	o o f	q p o	53	45	38	-	-	0.3
Cranwell (Lincs) ...	o f c o	c o	bc bc o f q	bc c o f	52	45	40	-	-	6.0
Felixstowe ...	o f c	o f c	o f c	o	52	44	42	-	-	6.7
Shoeburyness ...	bc bc b	bc bc c	bc bc c	c o c o	51	46	43	-	-	6.5
Beaconsfield ...	o	o	o	o	50	46	44	-	-	*
S. Farnborough ...	o	o	o	p d o	50	45	43	-	0.2	0.3
London (New Cross) ...	o c o	c o o f	o	q o f o	51	47	45	-	-	0.6
Croydon ...	o f c	o f	o f q o v	o f v p d q	51	46	44	-	Trace	*

## BEAUFORT NOTATION.

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.  
e wet air without rain falling.  
f fog.  
g gloom.  
h hail.  
i lightning.  
m mist.  
o overcast sky.  
p passing showers.  
q squalls.  
r rain.  
s sleet, i.e., rain and snow together.  
t thunder.  
u ugly, threatening sky.  
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.

Capital letters indicate intensity, and repetition of letters continuity, thus:-  
R = heavy rain.  
rr = continuous moderate rain.  
r.r. = continuous light rain.

## THE BEAUFORT SCALE OF WIND FORCE.

Used only for surface observations.

No.	Limits of Velocity at about 30 feet above ground.	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.8	0.3-0.8
1	1-3	1.6-4.8	0.8-2.4
2	4-7	3.2-7.7	1.6-3.9
3	8-12	4.5-10.8	2.3-5.4
4	13-18	6.5-14.3	3.4-7.9
5	19-24	8.5-19.3	4.5-10.7
6	25-31	10.8-25.3	5.4-13.3
7	32-38	13.4-30.7	6.5-15.7
8	39-48	17.2-30.7	8.3-19.3
9	47-54	20.8-24.4	10.4-22.4
10	55-63	24.8-28.8	12.4-25.3
11	64-75	28.8-33.8	14.3-29.3
12	Above 76	33.8 or above	16.3 or above

## SYMBOLS—

Solar halo ☉  
Aurora ☀ Rime ❄ Lunar halo ☾  
Glazed frost ~ Solar corona ☼  
Glazed roads ~ Lunar corona ☾  
Lies Squall ☁ Snow lying ❄

## LONDON OBSERVATIONS.

	Weather.		Sunshine.		Temp.		Wind.		mm.		Hours.	W. & S. W.		
	Morning.	Afternoon.	Night.	11h.	10h.	9h.	8h.	7h.	6h.	5h.	4h.	3h.	2h.	
24 HOURS ENDED 21 <sup>st</sup> G.M.T. 22 <sup>nd</sup> .....														
											YESTERDAY.			Today.
Greenwich (Royal Observatory)	c	oc q	od q	52	46	44	-	2.9	76	78				
City (Banhill Row) ... ..	"	"	"	"	"	"	"	2.4	"	"				
Westminster (St. James's Park)	"	"	"	"	42	44	-	2.7	76	74				
Regent's Park (Botanic Garden)	"	"	"	"	"	"	"	2.8	"	"				
Camden Sq. (British Rainfall)	c bc	bc c	"	52	47	39	-	"	80	77				
Kensington Palace ... ..	o c	o bc o	"	52	47	46	-	"	74 (18h)	77				
Hampstead Observatory ...	"	"	"	49	45	43	-	0.9	"	80				

## SOUTH KENSINGTON (Meteorological Office).

Various comparisons of  
Some specimens of  
of Square Barometer  
during yesterday

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

22 <sup>nd</sup> & 23 <sup>rd</sup> JANUARY 1921.			
Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth...	7.51	12.5	4.18
Greenwich	7.50	12.5	4.18
Wick	8.40	12.24	4.1
Valencia	8.37	12.53	5.10

## Photographic Record of

Pole Star (Polaris) and of 8 Ursae

Minoris at Greenwich Observatory.

Exposure from 21<sup>st</sup> 17h. 30m.  
to 22<sup>nd</sup> 6h. 45m.

Star.	Duration of Exposure.	Duration of Record.	%
Polaris	13 15	47	6
8 Ursae Minoris	13 15	6	1

## NOTES ON THE WEATHER OF YESTERDAY.

Rain fell heavily in Scotland, 22mm at Stornoway, 18mm at Nairn and 17mm at Lerwick, but in England there was little or none. In North-East Scotland there was some sleet early on Saturday. At several English stations between 6 and 7 hours of bright sunshine were recorded.

The Westerly wind reached gale force at times in parts of England and Scotland.





## AIR MINISTRY.

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

BRITISH SECTION.

No. B.21612

Sunday, 23<sup>rd</sup> JANUARY 1921.

## OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 12H.

STATIONS.	1H. G.M.T. of 22nd										12H. G.M.T. of 23rd														
	Barom. at M.S.L.	Change in 3 hours	Wind. Dir.	Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-9	Barom. at M.S.L.	Change in 3 hours	Wind. Dir.	Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-9	
	mb.												mb.												
Renfrew ...	1011.3	+1	W	5	bc	41	75	8	1,250	CuNb	4	-	1013.3	+2	WSW	5	bc	38	85	8	2,000	Cu	6	-	4
Eskdalemuir ...	1012.3	+2	W	5	c	37	85	7	2,000	St	8	-	1013.6	+2	W	6	cq	37	75	6	-	St	7	-	-
Valencia (Cahire's)	1025.8	+2	WNW	4	c	47	75	8	3,000	StCu	6	St	1025.8	+1	WNW	4	c	46	65	8	3,000	StCu	8	-	4
Baldonnell ...	1020.2	+3	SW	5	b	45	75	8	3,000	StCu	2	St	1021.2	+3	W	4	c	42	75	7	2,000	StCu	6	Acu	3
Manchester (Alex. P.)	1017.9	+2	W	6	cq	41	65	6	2,000	Nb	8	-	1019.2	+3	W	5	bcq	43	75	4	3,000	Cu	2	Acu	3
Koss on Wye ...	1020.6	+4	NW	5	cv	50	65	9	4,200	StCu	7	-	1022.6	+3	WNW	4	bc	44	75	9	3,000	StCu	3	Acu	1
Palmouth ...	1025.6	0	WSW	6	oD	51	92	4	-	Nb	10	-	1027.0	+2	WNW	3	oD	48	97	6	-	Cu	7	-	-
Calshot (Hants) ...	1021.0	-5	SSW	5	oif	50	85	7	1,250	St	10	-	1023.8	+5	WSW	4	bc	47	75	8	3,000	StCu	4	-	2
Lympe (Folkestone)	102.03	-3	SW	6	oq	48	92	8	750	St	10	-	1021.4	+2	WSW	4	c	45	85	8	1,250	StCu	8	-	-
Aberdeen ...	1008.4	0	WSW	4	b	41	65	8	4,200	CuNb	2	-	1007.0	+2	W	4	b	37	75	8	-	-	-	3	
Howden ...	1012.1	+1	WNW	6	bcq	46	65	8	3,000	Cu	7	-	1017.5	+3	WNW	6	bcq	42	75	7	1,250	St	3	St	3
Cranwell (Lines)	1016.6	+3	WNW	5	c	48	75	7	3,000	StCu	8	-	1020.0	+4	WSW	2	oif	43	85	7	4,200	StCu	9	-	-
Felixstowe ...	1017.7	-1	WSW	4	0	50	85	6	2,000	StCu	10	-	1020.7	+3	W	2	bc	46	75	7	5,700	StCu	6	-	-
Shoeburyness ...	1019.1	-2	W	5	0	51	75	7	3,000	Cu	6	Acu	1020.9	+5	W	2	b	45	65	7	4,200	StCu	1	Acu	1
Benson ...	1018.9	-2	SW	5	0	50	92	6	-	-	-	-	1022.5	+5	WSW	3	0	45	65	8	-	StCu	8	-	-
S. Farnborough	1019.9	-2	WSW	6	omq	50	85	6	1,250	StCu	10	-	1022.9	+4	WNW	3	c	46	75	6	2,000	StCu	8	-	-
London (Kew Obs.)	1019.3	-3	WSW	4	0	50	85	8	2,000	StCu	10	-	1022.4	+5	WNW	3	0	47	65	7	2,000	StCu	9	-	-
Croydon ...	1020.0	-2	WSW	5	oifq	50	85	7	1,250	St	10	-	1022.7	+4	WNW	3	oif	47	75	6	3,000	StCu	10	-	-
1H. G.M.T. of 23rd																									
Renfrew ...	1015.6	+4	WSW	4	c	40	85	8	1,250	St	7	-	1017.2	+1	WSW	4	0	41	85	8	2,000	StCu	8	Acu	2
Eskdalemuir ...	1016.1	+3	W	5	orsq	38	75	5	-	Nb	9	-	1018.3	+2	WSW	5	0	37	85	6	-	St	10	-	-
Valencia (Cahire's)	1028.9	0	WNW	3	0	47	75	8	-	-	-	-	1028.6	-1	SSW	2	0	47	85	8	2,000	St	5	Acu	5
Baldonnell ...	1025.0	+4	SW	3	bcu	39	85	7	2,000	StCu	4	Acu	1024.4	-2	SSW	4	oif	42	85	7	2,000	StCu	10	-	-
Manchester (Alex. P.)	*	*	*	*	*	*	*	*	*	*	*	*	1022.6	+2	W	5	cq/m	41	85	4	3,000	StCu	7	-	-
Koss on Wye ...	*	*	*	*	*	*	*	*	*	*	*	*	1026.0	+1	W	2	cv	44	75	9	3,000	StCu	8	-	-
Palmouth ...	1029.1	+2	W	2	bc	45	85	8	-	Cu	10	-	1029.7	0	WNW	2	c	43	92	7	-	StCu	7	-	-
Calshot (Hants) ...	1026.6	+1	SW	3	0	42	85	8	-	Acu	3	Acu	1027.7	+1	SSW	3	b	39	85	8	3,000	StCu	1	Acu	1
Lympe (Folkestone)	1024.7	+1	WSW	4	c	38	92	7	-	Acu	7	-	1025.9	+1	SW	2	bm	38	92	7	5,700	StCu	2	Cu	1
Aberdeen ...	*	*	*	*	*	*	*	*	*	*	*	*	1012.3	+2	SW	1	bif	36	75	7	4,200	StCu	1	-	2
Howden ...	1019.2	+1	W	6	cq	42	85	5	1,250	St	8	-	1020.5	+1	WNW	5	bcq	41	75	8	2,000	StCu	2	Acu	2
Cranwell (Lines)	1021.7	+1	WSW	4	bcu	41	85	7	3,000	Cu	2	Acu	1022.7	+1	W	4	c	40	92	6	3,000	StCu	8	Acu	2
Felixstowe ...	1022.8	+1	WSW	4	0.0	44	75	7	-	-	Cu	10	3	1024.2	+2	SW	4	b	40	65	7	-	-	Acu	2
Shoeburyness ...	*	*	*	*	*	*	*	*	*	*	*	*	1024.8	+1	W	3	c	41	75	7	4,200	StCu	7	-	-
Benson ...	*	*	*	*	*	*	*	*	*	*	*	*	1025.8	+1	WSW	3	bc	39	85	8	-	-	StCu	6	-
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	1026.5	0	W	2	0	40	85	7	2,000	StCu	9	-	-
London (Kew Obs.)	1024.8	+1	*	*	*	*	*	*	*	*	*	*	1026.0	+1	SSW	3	b	40	85	8	-	-	Acu	1	-
Croydon ...	1025.3	+1	W	3	0.0	40	85	8	-	-	Acu	9	1026.5	0	W	3	bif	39	85	7	-	-	Cu	2	-
STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.																									
STATIONS.	7H. G.M.T. of 22nd				7H. G.M.T. of 23rd				24 HOURS ENDED 7H. 23rd										Sunshine Hours.						
	Barom. at M.S.L.	Temp. °F.	Wind. Dir.	Force 0-12	Weather	Barom. at M.S.L.	Temp. °F.	Wind. Dir.	Force 0-12	Weather	Sea 0-9	Rainfall in.	Max. °F.	Min. °F.	Morning	Afternoon	Night								
	mb.					mb.																			
Lerwick ...	995.7	37	W	5	c	1004.2	-3	34	0	SSW	2	3	c	1	40	41	30	omh	omsp	oms.c	2				
Stornoway ...	1006.0	38	W	7	cphq	1012.0	0	40	+4	WNW	6	-	bcphq	5	10	40	34	cophq	cphq	bcphq	2.3				
Castlebay (Barra)	1011.6	42	WNW	7	bc	1016.6	0	42	+3	WNW	4	0	0	5	2	44	39	chchp	hphc	hbcph	1.0				
Malin Head ...	1017.8	40	WNW	5	cq	1018.5	0	44	+1	W	4	W	0	5	3	49	38	bcq	cq	cq	0.0				
Blacksod Point	1021.6	45	NW	4	bc	1021.2	-5	45	+1	NW	2	-	omv	3	2	46	42	cq	cq	c	0				
Roche's Point ...	1026.6	45	W	2	bc	1023.1	-1	44	-4	W	1	-	0	2	0.4	49	41	op.c	c.bc	bc.c	0				
Birr Castle ...	1023.2	43	W	1	c	1025.2	0	42	-1	SW	1	-	0	2	0.1	45	38	c	c	c.c	1.8				
Donaghadee ...	1018.0	42	WNW	4	bcq	1021.4	+1	40	-3	W	2	-	om	2	Trace	46	39	bcq	bcq	bcq	0				
Liverpool (Bidston)	1018.1	44	W	6	bc	1022.1	+1	42	-6	W	6	W	bcq	5	1	49	42	b	bc	bcq	3.6				
Holyhead ...	1021.0	45	W	5	cq	1023.5	+1	45	-2	W	5	W	cq	4	Trace	47	42	acq.b	cq.b	bcq.b	4.4				
Pembroke (St. Ann's)	1025.3	47	WNW	3	sv	1027.6	0	46	-3	WNW	3	-	cv	3	1	50	45	ov	ov.c	ov.c	1.2				
Scilly (St. Mary's)	1027.1	49	WNW	2	f	1029.4	0	48	-2	WNW	3	W	c	4	1	51	46	cp.fe	opd.fe	fic.c	0.0				
Jersey (St. Aubin)	1027.0	50	WSW	4	0	1030.1	0	47	+2	WSW	3	W	c	3	2	52	45	od.o	o	odm.c	0.0				
Portland Bill ...	1024.2	49	NW	4	c	1027.9	+2	47	-2	WNW	3	W	0	5	0.2	51	45	oq	oq.c	o.c	0				
Dunegness ...	1020.9	48	WNW	5	bc	1024.8	+1	39	-8	NW	3	b	b	3	-	50	38	cq	cq.b	bc.c	0				
Wick ...	1003.0	34	W	4	bcq	1006.7	0	34	+1	W	3	-	bcq	3	5	37	32	bcspq	csp	bcspq	0				
Nairn ...	1006.2	34	W	4	0	1012.0	0	36	+2	W	2	-	bcq	2	5	39	32	bcsc	psc	bcspq	2.7				
Leith ...	1010.9	39	W	3	bc	1015.2	0	39	-2	SW	2	-	b	2	0.2	42	37	b.bq.c	cq.p.bc	bc.c	0				
Tynemouth ...	1013.2	39	W	3	bif	1017.2	+2	40	-6	W	2	-	bif	2	0.4	46</									

Information for these columns not usually received.

\* The barometric change is expressed in half millibars.

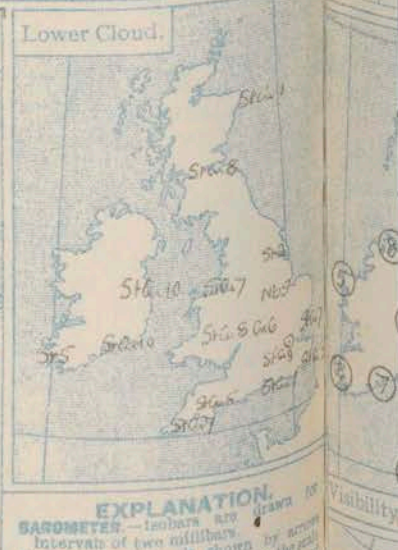
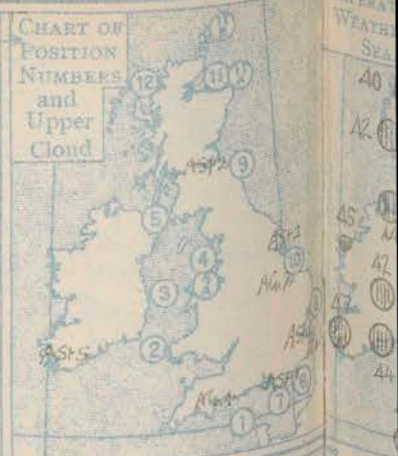
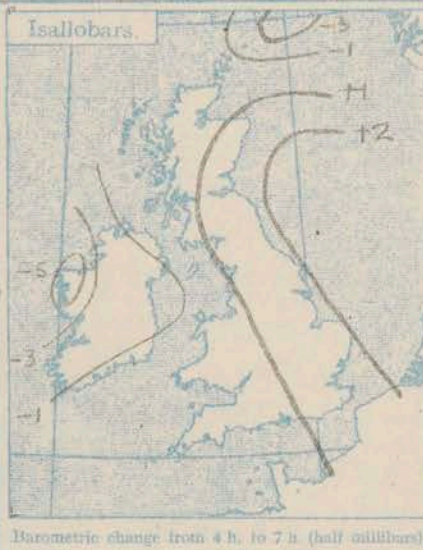
† For code see page 3

‡ See footnote p. 4.



## SUMMARY OF CONDITIONS AT 7 h.G.M.T. 23.1.1921.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Temperature reported from Coastal and Cross Channel Steamers			
				Position Number.	Date	Time G.M.T.	Sea °F Air °F
1. S.E. England	Fine.	Good	Smooth	5	22 <sup>24</sup>	0813	48 45
2. E. England	Fair to cloudy.	V. Good	"	4a.	22 <sup>24</sup>	0430	47 48
3. E. Midlands	Fair to cloudy.	"	-	3	22 <sup>24</sup>	0945	49 45
4. W. Midlands	Fair to cloudy.	Good	-	6	22 <sup>24</sup>	1500	49 49
5. S.W. England	Cloudy.	V. Good	Mod.	2	23 <sup>24</sup>	0700	51 47
6. South Wales	Cloudy.	"	Slight	7	23 <sup>24</sup>	0355	48 48
7. North Wales	Cloudy.	Good	Mod.				
8. N.W. England	Fair to cloudy, squally.	Fair	R. Rough				
9. N. Midlands	Fair to cloudy.	"	-				
10. N.E. England	Fair to cloudy, squally.	"	Slight				
11. E. Scotland	Fine.	Good	Smooth				
12. S.W. Scotland	Dull.	"	Slight				
13. Isle of Man	Cloudy.	"	"				
14. N. & N.W. Scotland	Fine, squally.	Fair	"				
15. Hebrides	Cloudy, squally, hail showers	"	R. Rough				
16. Orkneys and Shetlands	Cloudy.	"	Smooth				
17. N.W. Ireland	Dull, some rain.	Indiff.	Slight				
18. N.E. Ireland	Dull.	Good	Mod.				
19. S.E. Ireland	Dull.	"	Smooth				
20. S.W. Ireland	Dull.	"	Slight				



## GENERAL INFERENCE from observations received up to 9h.

A Northerly wind current spreading from Iceland is likely to cause a considerable fall of temperature. Snow may be expected in the North and there is some risk of it spreading later over the Kingdom generally.

**EXPLANATION.**  
**SAROMETER.**—Isobars are drawn at intervals of two millibars.  
**WIND.**—Direction is shown by arrow lying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in small circles per hour by figures in small circles.  
**TEMPERATURE.**—Is given in degrees F.  
**WEATHER SYMBOLS.**—  
 ☉ clear sky. ☁ sky & cloud. ☂ sky & rain. ☃ overcast sky. ☄ rain & hail. \* snow. ☇ sleet. ☈ fog. ☉ mist. ☊ thunder. ☋ thunderstorm.  
**SEA DISTURBANCE.**—  
 Rough. High.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 23rd January. 1921.
1. S.E. England	Wind W to N.W. moderate, freshening later; fair to cloudy, probably local showers, risk of snow later; visibility fair; colder.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	Wind NW to N fresh to strong; cloudy to dull, probably some snow; visibility fair to good; colder.
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Wind NW to N increasing to a gale; cloudy or dull, some snow; visibility fair; cold.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	Wind NW, moderate or fresh; dull, some rain, perhaps sleet; visibility fair; colder.
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

Further Outlook.  
 Colder weather and probably some snow over Kingdom generally.

North coast forecast 09.30 23.1



# SYNOPTIC CHART FOR MORNING OF Sunday, 23rd January, 1921

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



## TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2).

	Objects not visible at	50 metres (or yards)
0. Dense fog.	"	200
1. Very Bad.	"	1,000
2. Bad.	"	2,000
3. Very poor.	"	4,000
4. Poor.	"	7,000
5. Indifferent.	"	12,000
6. Fair.	"	20,000
7. Good.	"	20,000
8. Very Good.	"	20,000
9. Excellent.	"	20,000



# AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1921. No. 23...

Sunday  
23<sup>rd</sup> JANUARY

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 22 <sup>nd</sup>																		
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.
		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 11h-9h, 9h-12h. 21-22.	Day. 12h-2h. 22.	Sunrise to Sunset. 22 <sup>nd</sup>				Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 11h-9h, 9h-12h. 21-22.	Day. 12h-2h. 22.	Sunrise to Sunset. 22 <sup>nd</sup>
Scotland.	Oban ...	scp.bc	scp.bc	49	37	9	3	2.0	England, N.W.	Douglas (L.O.M.)								
	Banff ...	bcsp	scp.b	38	34	7	4	2.1		Blackpool ...	c	bc	46	43	1	-	3.2	
	Montrose ...									Southport ...	c bc	bc b	46	43	1	-	5.1	
	St. Andrews									Morecambe ...								
England, N.E.	Harrogate ...	bc	c bc	47	39	3	-	3.9	Midlands.	Buxton ...								
	Scarborough ...									Leamington Spa...	o	c b	50	43	-	-	1.5	
	Skegness ...									Malvern ...								
	Lowestoft ...									Bath ...	odr	o c bc b	51	46	0.3	1	6.6	
England, E.	Felixstowe ...	om	o	51	45	-	-	0.3	Wales.	Rhyl ...								
	Southend-on-Sea...	og.c	bc	50	44	-	-	0.0		Colwyn Bay ...								
England, S.E.	Tunbridge Wells	o	o c o	50	45	0.3	-	0.0	England, S.W.	Llandudno ...	*	*	50	44	5	-	4.6	
	Margate ...	o	c	51	45	-	-	0.0		Aberystwyth ...	rc	o c o	48	45	2	-	1.5	
	Ramsgate ...	*	*	49	44	-	-	0.0		Tenby ...								
	Folkestone ...	o	o c	53	46	-	-	0.0		Swansea ...								
	Hastings ...	om	o	50	46	0.4	-	0.0		Weymouth ...	c	od.o	51	47	1	0.1	0.0	
	Eastbourne ...	o	o c	50	47	1	-	0.0		Teignmouth ...								
	Brighton ...									Torquay ...	o	or bc	53	47	0.4	-	0.2	
	Worthing ...									Paignton ...	op q	bc op	53	46	1	Trace	0.2	
	Littlehampton ...									Penzance ...	or'd	od c	52	47	2	3	0.0	
	Portsmouth (S. Sea)	o cm	o bc	50	46	0.4	-	0.0		Newquay ...								
	Bournemouth ...	*	*	50	46	0.3	0.3	0.0		Bude ...	odr o	o	51	45	2	2	0.0	
										Ilfracombe ...								
								Weston-s-Mare ...										

SUMMARIES FOR PAST 24 HOURS.													
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		Sun.		BEAUFORT NOTATION.			
		7h-12h 22 <sup>nd</sup>	12h-18h 22 <sup>nd</sup>	18h-7h 23 <sup>rd</sup>	7h-12h 23 <sup>rd</sup>	Max. Temp. F.	Min. Temp. F.	Min. on Grass. F.	Sun. Hours.	THE BEAUFORT SCALE OF WIND FORCE.			
										Used only for surface observations.			
										Limits of Velocity at about 30 feet above ground.			
										No. Statute miles per hour. Metres per second.			
Renfrew ...		bc o	bc o	b op	b op bc o	42	38	23	2.6	b blue sky (not more than a quarter covered).			
Eskdalemuir ...		bc o	bc o	b op	b op bc o	39	35	32	1.6	bc sky partly cloudy (one half covered).			
Valencia (Canary Is.)		o c o	o c o	c o o	c o o	48	45	42	1.7	c generally cloudy (three quarters covered).			
Baldonnel ...		bc o	bc o	b op	b op bc o	47	37	34	3.4	d drizzle, or fine rain.			
Manchester (Alex. Rd.)		bc o	bc o	b op	b op bc o	50	41	36	2	e wet air without rain falling.			
Ross on Wye ...		bc o	bc o	b op	b op bc o	51	40	33	0.3	f fog, g gloom.			
Falmouth ...		bc o	bc o	b op	b op bc o	52	42	36	3	h hail, i lightning.			
Calshot (Hants) ...		bc o	bc o	b op	b op bc o	51	38	33	Trace	m mist, o overcast sky.			
Lympne (Folkestone)		bc o	bc o	b op	b op bc o	48	34	29	Trace	p passing showers.			
Aberdeen ...		bc o	bc o	b op	b op bc o	41	36	30	-	q squalls, r rain.			
Howden ...		bc o	bc o	b op	b op bc o	49	40	36	0.3	rs sleet, i.e., rain and snow together.			
Cranwell (Lincs) ...		bc o	bc o	b op	b op bc o	48	38	33	Trace	s snow, t thunder.			
Felixstowe ...		bc o	bc o	b op	b op bc o	51	40	36	0.1	u ugly, threatening sky.			
Shoeburyness ...		bc o	bc o	b op	b op bc o	52	39	36	-	v unusual visibility.			
Benson ...		bc o	bc o	b op	b op bc o	51	36	28	-	w dew, x hoar frost.			
S. Farnborough ...		bc o	bc o	b op	b op bc o	51	38	33	Trace	y dry air, humidity less than 60 per cent.			
London (Kew Obs.) ...		bc o	bc o	b op	b op bc o	51	40	33	-	z dust haze; the turbid atmosphere of dry weather.			
Croydon ...		bc o	bc o	b op	b op bc o	51	38	34	Trace	Capital letters indicate intensity, and repetition of letters continues, thus: R = heavy rain, rr = continuous moderate rain, r.f. = continuous light rain.			

LONDON OBSERVATIONS.										SOUTH KENSINGTON (Meteorological Office).			TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
		Weather.	Max. Temp. F.	Min. Temp. F.	Min. on Grass. F.	Rain-fall. mm.	Sun-shine to Sunset. Hours.	Humidity %					23 <sup>rd</sup> & 24 <sup>th</sup> JAN. 1921.			
		Morning.	Afternoon.	Night.												
		24 HOURS ENDED 9H G.M.T.														
Greenwich (Royal Observatory)		o	c	bc b	51	39	31	-	0.0	88	80	Vertical Component of Solar Radiation per Square Centimetre during yesterday.				
City (Bunhill Row)		*	*	*	*	*	*	*	*	*	*					
Westminster (St. James's Park)		*	*	*	*	*	*	*	*	*	*	Total ... Joules. Milliunits.				
Regents Pk. (Botanical Obs.)		*	*	*	*	*	*	*	*	*	*					
Camden Sq. (British Rainfall)		c bc	c	*	52	37	31	-	*	84	82	Average Rate.				
Kensington Palace		o bc	c bc	*	52	39	34	-	*	70 (18h)	84					
Hampstead Observatory		*	*	*	51	37	31	-	1.5	86	86	Maximum Rate.				

Photographic Record of					NOTES ON THE WEATHER OF YESTERDAY.				
Pole Star (Polaris) and of 3 Ursae					Snow and hail fell in Scotland and showers of rain in other				
Minoris at Greenwich Observatory.					areas. At Lerwick and Stornoway the precipitation amounted to				
Exposure from.....h.....m.					10mm.				
to.....h.....m.					Weather continued mild in most districts, maxima exceeding				
					50° at most stations in the South. Several stations recorded				
					fair amounts of sunshine, the highest records being obtained				
					at Aberdeen (6.2 hours) Southport (5.1 hours) and Llandudno				
					(4.6 hours).				
Stars.	Duration of Exposure.		Duration of Record.						
	h.	m.	h.	m.	%				
Polaris									
3 Ursae									
Minoris									



## AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:  
BRITISH SECTION. No. 821,613 ... MONDAY, 24<sup>th</sup> JANUARY, 1921.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 15H.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 15H.																											
STATIONS.	BAROM.	1	Wind.	Weather	TEMP.	Humidity.	1	Height	Low Cloud.	Upper Cloud.	Sea	BAROM.	1	Wind.	Weather	TEMP.	Humidity.	1	Height	Low Cloud.	Upper Cloud.	Sea					
	at M.S.L.	Change in 2 hours.	Dirac. Force 0-12.		°F.	%	0-9.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.	mb.		Change in 2 hours.	Dirac. Force 0-12.	°F.	%	0-9.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.	
12H. G.M.T. 23 <sup>RD</sup>													12H. G.M.T. OF 23 <sup>RD</sup>														
Renfrew ...	1017.0	-1	WSW	4	0%	44	85	7	2,000	Nb	10	-	-	1011.1	-7	SW	6	0%	48	92	6	1,250	Nb	10	-	-	-
Eskaudemuir ...	1017.7	-2	WSW	5	0	40	92	5	2,000	Nb	10	-	-	1012.7	-7	WSW	6	0%	43	97	4	-	Nb	10	-	-	-
Valencia (Cahire's) ...	1026.2	0	SW	3	od.	52	97	5	4,500	St	10	-	-	1025.0	-2	SW	4	0	50	97	5	4,500	St	10	-	-	4
Baldonnel ...	1012.3	-4	SSW	5	og.	46	85	8	2,000	St	10	-	-	1020.3	-1	SSW	5	og.	52	85	6	2,000	St	10	-	-	-
Manchester (Aker's) ...	1023.0	-1	W	6	od.	46	85	4	3,000	Nb	7	A.St.	3	1019.4	-4	SW	3	od.	46	92	4	2,000	Nb	10	-	-	-
Ross on Wye ...	1026.5	+1	W	4	0	46	75	9	2,000	St	8	A.St.	2	1023.3	-4	W	3	0	48	85	8	2,000	St	7	A.St.	2	-
Falmouth ...	1019.8	+1	SW	4	od.	49	92	6	-	Nb	10	-	-	1028.4	0	WSW	3	od.	54	97	2	-	-	-	-	-	-
Calshot (Banta's) ...	1029.0	0	SSW	3	0	48	75	8	4,200	St	10	-	-	1026.7	-4	SSW	3	0	47	85	8	5,700	St	8	A.St.	2	1
Lymington (Folkestone) ...	1027.4	+1	W	4	0	43	85	8	5,700	St	6	A.St.	4	1025.2	-2	WSW	5	og.	42	92	6	-	-	-	A.St.	10	-
Aberdeen ...	1012.8	-1	WSW	3	bc	43	65	8	-	-	-	A.St.	4	1011.1	-2	-	0	od.	39	92	6	3,000	Nb	10	-	-	2
Howden ...	1021.6	0	WSW	5	og.	45	75	5	2,000	St	6	A.St.	4	1017.7	-3	WSW	5	og.	44	92	6	2,000	St	10	-	-	-
Cranwell (Aker's) ...	1023.5	0	WSW	4	0	45	92	7	4,200	St	8	A.St.	2	1020.0	-5	WSW	5	og.	44	92	6	3,000	St	10	-	-	-
Felixstowe ...	1025.4	0	WSW	3	0	44	75	7	-	-	-	A.St.	10	1023.0	-2	SW	3	0	43	85	7	2,000	Nb	10	-	-	-
Shoeburyness ...	1026.2	0	W	4	od.	45	75	5	1,250	St	7	A.St.	2	1023.6	-3	SW	4	0	45	75	6	2,000	St	7	A.St.	2	-
Benson ...	1026.7	0	W	3	0	46	85	7	-	St	10	-	-	1024.5	-2	WSW	2	0	47	85	6	-	St	10	-	-	-
S. Farnborough ...	1027.5	0	W	4	0	45	75	7	-	-	-	A.St.	10	1025.1	-3	WSW	3	0	46	85	7	3,000	St	3	A.St.	7	-
London (Kew Obs.) ...	1026.9	0	WSW	3	od.	46	75	5	-	-	-	A.St.	10	1024.5	-4	SW	3	od.	46	85	5	5,700	St	10	-	-	-
Croydon ...	1027.5	+1	WSW	3	og.	44	75	6	4,200	St	5	A.St.	5	1025.3	-3	W	4	og.	45	85	6	4,200	St	6	A.St.	4	-
1H. G.M.T. OF 24 <sup>TH</sup>													7H. G.M.T. OF 24 <sup>TH</sup>														
Renfrew ...	1011.2	+1	SW	5	od.	50	92	6	1,250	Nb	10	-	-	1013.9	+6	NE	3	or	36	97	6	750	Nb	10	-	-	-
Eskaudemuir ...	1012.0	+1	WSW	6	0	48	85	6	2,000	St	10	-	-	1013.9	+2	NE	4	or	36	97	6	-	Nb	10	-	-	-
Valencia (Cahire's) ...	1022.6	-3	SSW	3	od.	51	-	-	-	-	-	-	-	1021.4	-1	SW	3	0	51	92	7	4,200	St	9	-	-	-
Baldonnel ...	1018.4	-1	SW	5	og.	50	85	7	2,000	St	10	-	-	1019.0	-1	SSW	3	og.	49	92	7	2,000	St	10	-	-	-
Manchester (Aker's) ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1015.5	-1	W	5	og.	48	92	4	750	Nb	10	-	-	-
Ross on Wye ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1019.3	-2	W	3	or	50	75	9	3,000	St	8	d.	1.	
Falmouth ...	1027.5	-1	WSW	4	0	49	92	8	-	St	9	-	-	1025.1	-2	WSW	3	bc	48	92	8	-	St	6	-	-	-
Calshot (Banta's) ...	1025.6	-3	SSW	4	og.	50	97	7	2,000	St	10	-	-	1022.3	-1	SW	4	0	50	85	8	2,000	St	10	-	-	3
Lymington (Folkestone) ...	1021.2	-5	WSW	6	og.	48	97	6	1,250	St	10	-	-	1019.3	-1	W	6	og.	48	85	7	1,250	St	9	-	-	-
Aberdeen ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1010.3	+5	NNW	3	og.	32	75	7	2,000	St	10	-	-	3
Howden ...	1014.6	0	W	6	og.	50	85	6	2,000	St	10	-	-	1014.1	0	NNW	6	og.	49	85	6	1,250	St	10	-	-	-
Cranwell (Aker's) ...	1016.5	-1	WSW	6	og.	51	92	7	2,000	St	2	A.St.	8	1016.3	0	W	5	og.	47	92	6	3,000	St	10	-	-	-
Felixstowe ...	1017.9	-4	WSW	5	0	47	85	6	3,000	St	10	-	-	1017.5	0	W	4	og.	48	85	6	3,000	St	10	-	-	3
Shoeburyness ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1018.2	0	W	7	bc	48	75	6	-	-	A.St.	3	-	-
Benson ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1019.2	-1	WSW	4	0	48	85	8	-	St	10	-	-	-
S. Farnborough ...	-	-	-	-	-	-	-	-	-	-	-	-	-	1020.3	-2	W	4	0	50	85	7	4,500	St	10	-	-	-
London (Kew Obs.) ...	1020.9	-2	-	-	-	51	-	-	-	-	-	-	-	1019.4	-1	SW	3	og.	50	75	6	2,000	St	9	-	-	-
Croydon ...	1021.9	-2	WSW	5	og.	51	92	7	750	St	10	-	-	1020.2	-2	W	5	og.	49	85	7	1,250	St	10	-	-	-

STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.

STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea.	Rainfall.	TEMP.			WEATHER.			Sunshine Hours.
	at M.S.L.	°F.	Direc.	Force 0-12.		at M.S.L.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.		
	mb.					mb.																
12H. G.M.T. of 23 <sup>rd</sup>						7H. G.M.T. of 24 <sup>th</sup>						24 HOURS ENDED 7H. 24 <sup>th</sup>						23 <sup>rd</sup>				
Lerwick	1009.0	27	N	4	CS. v	1013.8	+5	29	-5	NW	5	NW	C	4	3	38	24	cg	b. sq.	om. s. c	*	
Stornoway	1011.1	36	-	0	od	1013.2	+2	34	-6	NW	4	-	0	3	8	40	30	bc. op	st	od. p. s	0.0	
Castell Bay (Zurab's)	1009.0	43	NE	3	Y	1013.3	+1	37	-5	E	3	-	r	5	17	44	37	opr	r	r	0.0	
Malin Head	1011.7	48	SW	4	omg.	1011.2	0	48	+4	SW	3	-	od. f.	4	3	48	41	omd	omd	omg.	0.0	
Blackod Point	1017.9	51	W	4	om	1010.9	-3	50	+5	W	4	-	0	4	0.4	54	43	omd	om	0	*	
Roche's Point	1025.4	49	WSW	2	0	1022.9	-1	50	+6	WSW	3	-	0	3	0.2	50	44	om. o	om. o	o. o	*	
Bir Castle	1021.6	62	SW	2	0	1018.7	-	50	+8	S	1	-	r	*	1	52	41	0	om	odr	0.0	
Donaghadee	1015.8	51	W	4	omg.	1014.3	-2	50	+10	NNW	4	-	bc. m.	3	1	52	40	cm. b	omg. p	omg.	*	
Liverpool (Hendon)	1011.1	51	WSW	5	0	1016.6	-1	47	+8	W	5	H	og	5	0.3	54	42	op. q.	op. q.	co. q.	0.0	
Holyhead	1019.7	49	WSW	5	od. f.	1018.1	-1	50	+5	WSW	3	-	og	2	-	51	44	c. op. o	op. o. c. o.	op. d. m. o. g.	0.0	
Femiroke (St. Ann's Head)	1025.9	51	W	4	0	1021.5	-2	50	+4	WSW	4	-	0	4	0.2	51	46	cv. o	o. ofe	op. d. o	0.0	
Sally (St. Mary's)	1029.4	50	W	4	3fe	1025.4	-2	50	+2	W	4	H	0	5	0.4	52	47	c. f.	cpd.	blat. c. o	0.1	
Jersey (St. Aubin)	1029.9	49	WSW	3	od. f.	1026.8	0	49	+2	W	4	-	0	3	1	52	45	c	c. om. m.	od. m. o	3.7	
Portland Bill	1027.0	49	WSW	6	0	1022.1	-4	49	+2	WSW	7	SW	og	6	0.2	50	45	o. bc. c	c. o	od. og	*	
Dunnet	1024.7	45	WNW	4	C	1019.7	-1	49	+10	W	4	NW	C	4	-	47	38	c	c	bc. o. bc.	*	
Wick	1009.1	35	NW	2	omd.	1014.7	+5	32	-2	NNW	2	-	0	3	3	37	27	bc. sp.	bc. om. p.	op. s	*	
Nairn	1009.8	38	N	1	r	1016.7	-	31	-5	-	0	-	od. s.	1	7	40	30	bc. p. c	cd. p. o	ps. p. c	0.6	
Leith	1010.3	44	SW	2	r	1014.8	+3	35	-4	E	3	-	s	2	16	51	35	bc. u. o	od. or	rg. rs.	*	
Tynemouth	1013.7	45	W	2	od. f.	1013.5	+3	45	+5	NE	3	-	or. 2.3f	3	8	50	39	bc. m.	bc. m.	bc. m. c	*	
Spurn Head	1016.4	45	WSW	4	0	1014.0	-1	48	+5	NNW	6	-	og	5	-	49	35	cg.	cm	cg.	*	
Yarmouth (Hendon)	1021.5	44	W	3	0	1018.5	+1	50	+10	NNW	5	-	cv. q.	3	-	51	39	2 bc. c	o	cv. og.	0.0	
Clacton-on-Sea	1023.5	44	W	3	0	1017.6	+1	48	+8	N	3	NW	ov	2	-	51	40	c. o	og. m.	og. m. ov	0.3	
Nottingham	1020.4	45	W	3	0	1016.8	-	48	+7	W	3	N	C	*	trace	53	40	c. o	c. o	op. c	1.0	

Information for these columns not usually received.

\* The barometric change is expressed in half millibars.

† For code see page 3

‡ Sea footnotes p. 4.



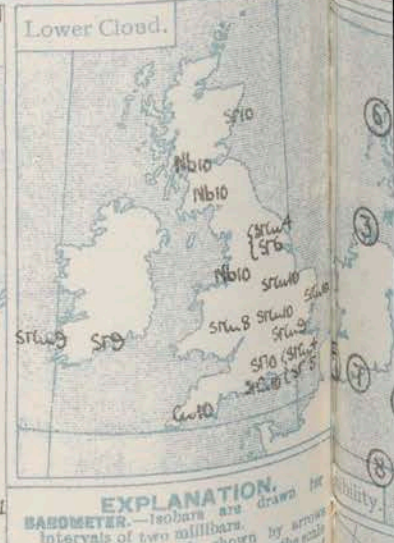
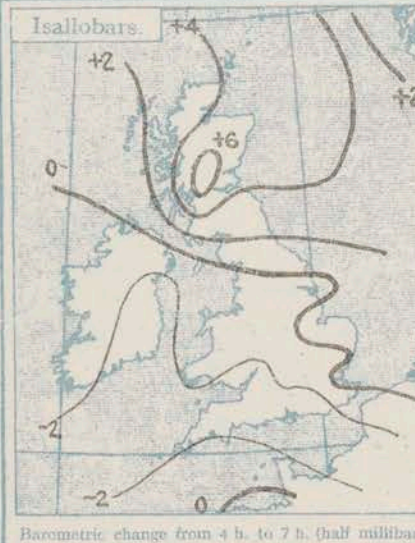
## SUMMARY OF CONDITIONS AT 7 h.G.M. 24.1.1921.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Mainly dull, slight mist.	Good	Mod.
2. E. England	Cloudy or dull.	"	Slight
3. E. Midlands	Cloudy or dull.	Fair	-
4. W. Midlands	Cloudy or dull.	Var.	-
5. S.W. England	Fair to dull.	Good	R. Rough
6. South Wales	Dull.	"	Mod.
7. North Wales	Dull.	"	Smooth
8. N.W. England	Dull, some mist, rain in North	Indiff.	Mod.
9. N. Midlands	Dull	"	-
10. N.E. England	Dull, rain in North	poor	Slight
11. E. Scotland	Dull, some snow	Fair	Slight
12. S.W. Scotland	Dull, rainy, local mist.	"	"
13. Isle of Man	Dull, local mist	Indiff	"
14. N. & N.W. Scotland	Dull, local rain or snow	Fair	"
15. Hebrides	Dull, rain in South	"	Mod.
16. Orkneys and Shetlands	Cloudy	Good	"
17. N.W. Ireland	No reports.		
18. N.E. Ireland	Fair to dull, misty	V. Poor	Slight
19. S.E. Ireland	Dull, local rain.	Good	"
20. S.W. Ireland	Dull	Good	"

Temperature reported from Coastal and Cross Channel Steamers.

Position Number.	Date	Time G.M.T.	Sea ° F	Air ° F
3.	23 <sup>rd</sup>	10.16	48	46

CHART OF POSITION NUMBERS and Upper Cloud



GENERAL INFERENCE from observations received up to 9h.

A secondary depression extending from the North of Ireland to the North Sea is moving Southward slowly. Some snow is probable in the Northern Districts today. Over all the more Southern Districts rain late today or tonight will be followed by some sleet or snow. Temperature will be appreciably lower than of late in all Districts and the wind mainly from between N.E. & N.W.

**EXPLANATION.**  
**BAROMETER.**—Isobars are drawn at intervals of two millibars.  
**WIND.**—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in italics per hour by figures in small circles.  
**TEMPERATURE** is given in degrees F.  
**WEATHER SYMBOLS.**  
 ○ clear sky. ○ sky & cloud. ○ sky & cloud. ○ sky & cloud. ○ overcast sky. ○ rain falling. \* snow. \* sleet. \* hail. = fog. = mist. T thunder. T thunderstorm.  
**SEA DISTURBANCE.**— Rough High

Further Outlook.

Temperature lower than of late.

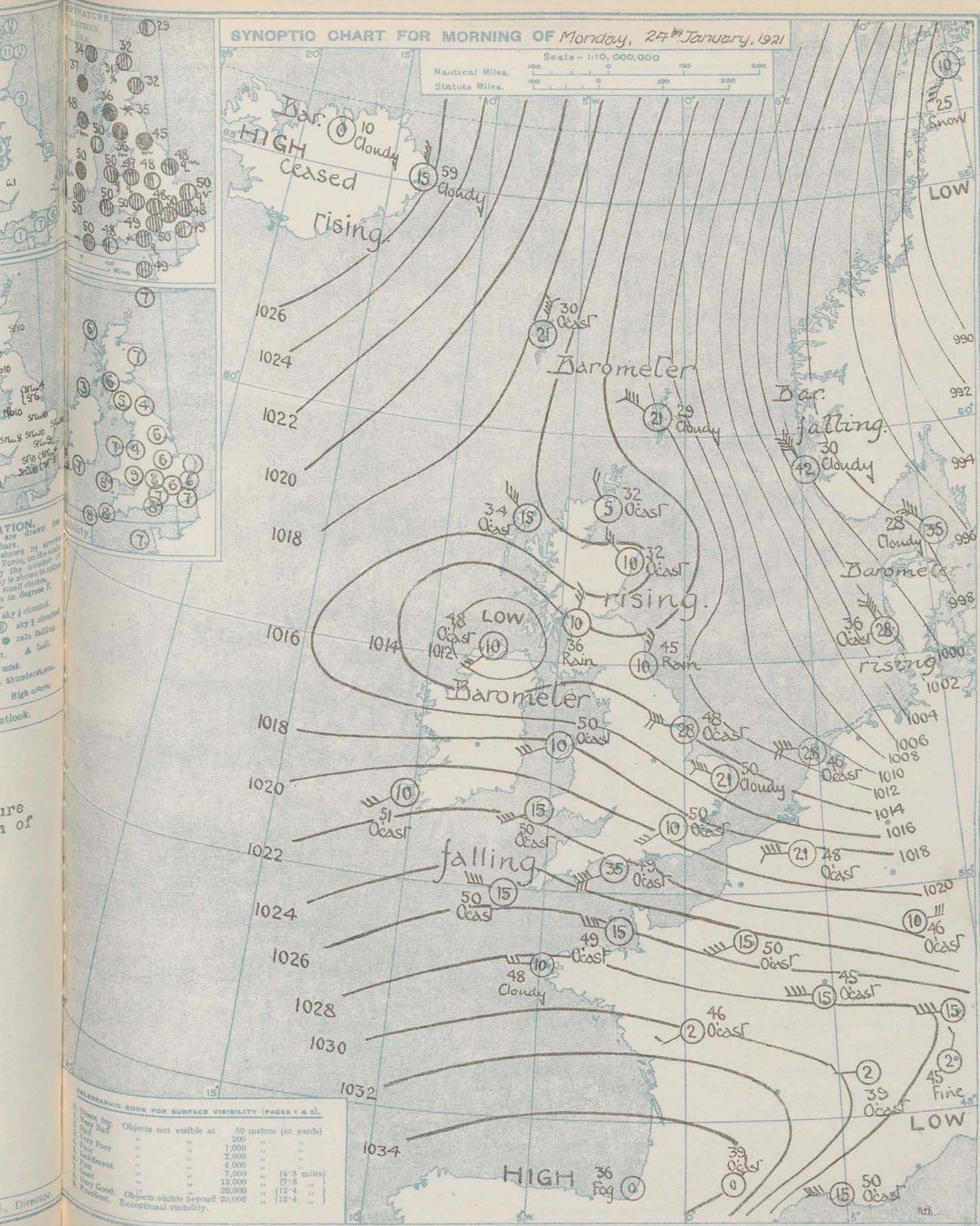
Districts.	Forecasts for the 24 hours commencing 15 h.G.M.T.
1. S.E. England	Wind shifting from the Westward to between N.W. & N.E., moderate or fresh; much cloud, some rain, then sleet or snow. Visibility deteriorating; mild, then much colder.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	Wind shifting to E. or N.E., moderate or fresh; much cloud, some snow. Visibility indifferent to fair. Much colder.
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Wind between N.W. & N.E., light or moderate; overcast or cloudy, snow at times. Visibility indifferent to fair; cold; frost at night.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	Same as 7-10.
18. N.E. Ireland	
19. S.E. Ireland	Same as 1-6
20. S.W. Ireland	



SYNOPTIC CHART FOR MORNING OF Monday, 24<sup>th</sup> January, 1921

Scale - 1:10,000,000

Nautical Miles.  
Statute Miles.



TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2)

	Objects not visible at	50 metres (or yards)	
Very Good	200	"	"
Very Bad	1,000	"	"
Good	2,000	"	"
Very Poor	4,000	"	"
Poor	7,000	"	"
Indifferent	12,000	"	"
Bad	20,000	"	"
Very Good	20,000	"	"
Excellent	20,000	"	"

Objects visible beyond 20,000 (12·4 miles)

Exceptional visibility.



# AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1921. No 24.

Monday  
24<sup>th</sup> JANUARY

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

WEATHER, TEMPERATURE, RAINFALL, AND SUNSHINE AT HEALTH RESORTS FOR 23 <sup>rd</sup>																	
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.
		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 18-23 <sup>rd</sup>	Day. 23 <sup>rd</sup>	Sunrise to Sunset. 23 <sup>rd</sup>			Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 18-23 <sup>rd</sup>	Day. 23 <sup>rd</sup>	Sunrise to Sunset. 23 <sup>rd</sup>
Scotland.	Oban ... ..								England, N.W.	Douglas (L.O.M.)							
	Banff ... ..	op. bc	f	41	34	3	4	0.8		Blackpool ... ..	?	?	46	42	0.3	1	0.0
	Montrose ... ..									Southport ... ..	o.c.o	o.d.o	48	43	-	-	0.0
	St. Andrews ... ..									Morcambe ... ..							
England, N.E.	Harrogate ... ..	o.b.c.o	op	44	41	-	0.1	0.0	Midlands.	Buxton ... ..							
	Scarborough ... ..									Leamington Spa ... ..							
	Skegness ... ..									Malvern ... ..							
										Bath ... ..	o	o	48	40	-	-	0.1
England, E.	Lowestoft ... ..								Wales.	Rhyl ... ..	c	op	53	42	-	0.2	0.0
	Felixstowe ... ..	b	cm	45	39	-	-	1.6		Colwyn Bay ... ..	y	y	53	41	-	-	0.4
	Southend-on-Sea ... ..	o.c.o	o	45	36	-	-	0.5		Llandudno ... ..			51	43	-	-	0.2
										Aberystwyth ... ..							
England, S.E.	Tunbridge Wells	bc.o	o	45	37	-	-	0.6	England, S.W.	Tenby ... ..							
	Margate ... ..	c	bc	47	41	-	-	0.1		Swansea ... ..							
	Ramsgate ... ..			45	36	-	-	0.2		Weymouth ... ..	c.b.c	bc	51	43	-	-	1.5
	Folkestone ... ..	o	o	46	36	-	-	0.0		Teignmouth ... ..							
	Hastings ... ..	b.b.c.o	o	47	36	-	-	2.0		Torquay ... ..	b.b.c	b.c.c	53	43	-	-	3.9
	Eastbourne ... ..	b	bc	46	39	-	-	0.0		Paignton ... ..	bc	bc.o	54	42	-	-	4.4
	Brighton ... ..	bc.o	o	47	39	-	-	0.7	Penzance ... ..	bc	bc	51	41	0.3	0.2	1.8	
	Worthing ... ..	bc.o	o.c	47	36	-	-	0.4	Newquay ... ..	bc	o.o	51	47	0.1	-	2.2	
	Littlehampton ... ..								Bude ... ..	b.b.c.o	?	51	47	-	-	0.2	
	Portsmouth (S. then)	*	*	48	41	-	-	0.7	Ilfracombe ... ..	o	od	?	46	-	0.1	0.0	
	Bournemouth ... ..	*	*	50	39	0.3	-	1.2	Weston-s-Mare ... ..	bc	bc.c	49	42	-	-	0.3	

### SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	7h-18h 23 <sup>rd</sup>	18h-18h 23 <sup>rd</sup>	Max. Temp. F.	Min. Temp. F.	Day. 7h-18h	Night. 18h-7h	Hours.	Sun.
Renfrew ...	c op	o	50	36	36	2	7	0.0
Eskdalemuir ...	bc	o	49	35	34	3	2	0.0
Valencia (Cahice) ...	od	o	53	47	48	-	1	0.0
Baldonnel ...	bc	o	52	44	45	-	0.2	0.0
Manchester (Alex. Pk.)	c op	o	53	41	43	1	0.0	0.0
Ross on Wye ...	c op	o	52	42	42	-	-	0.0
Falmouth ...	bc	o	52	41	46	-	0.1	2.2
Calshot (Hants) ...	b.b.c.o	o	51	39	46	-	-	0.8
Lympne (Folkestone) ...	b.b.c.o	o	50	33	41	-	-	1.4
Aberdeen ...	bc	o	43	31	29	3	1.9	
Howden ...	o	o	52	37	37	-	0.1	0.0
Cranwell (Lincs) ...	bc	o	51	40	38	-	-	0.0
Felixstowe ...	bc	o	52	34	37	-	-	1.4
Shoeburyness ...	c op	o	52	40	46	-	-	0.1
Benson ...	bc	o	51	39	42	-	-	*
S. Farnborough ...	o	o	52	38	43	-	-	0.1
London (Kew Obs.) ...	bc	o	52	40	43	-	-	0.6
Croydon ...	bc	o	52	38	43	-	-	*

### BEAUFORT NOTATION.

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.  
e wet air without rain falling.  
f fog.  
g gloom.  
h hail.  
i lightning.  
m mist.  
o overcast sky.  
p passing showers.  
q squalls.  
r rain.  
s sleet, i.e., rain and snow together.  
t thunder.  
u ugly, threatening sky.  
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.

Capital letters indicate intensity, and repetition of letters continuity, thus:-  
R = heavy rain.  
rr = continuous moderate rain.  
r.f. = continuous light rain.

### THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity at about 30 feet above ground.	
	Statute miles per hour.	Meters per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.5-3.5
3	8-12	3.5-5.5
4	13-18	5.5-7.5
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.5
11	64-75	28.6-33.6
12	Above 76	33.7 or above

SYMBOLS—  
Aurora  $\Delta$  Rime  $\Delta$  Lunar halo  $\odot$   
Glazed frost  $\sim$  Solar corona  $\odot$   
Glazed roads  $\Delta$  Lunar corona  $\odot$   
Line Squall  $\Delta$  Snow lying  $\Delta$

### LONDON OBSERVATIONS.

	Morning.	Afternoon.	Night.	F.	F.	F.	mm.	Hours.	19th G.M.T.	20th G.M.T.
	24 HOURS ENDED 9H G.M.T. 24th							YESTERDAY.	TO-DAY.	
Greenwich (Royal Observatory)										
City (Sunhill Row) ... ..	*	*	*	*	*	*	*	00	*	*
Westminster (St. James's Park)	*	*	x	52	41	35	-	00	74	89
Regents Pk (Botanical Gds)	*	*	*	*	*	*	*	02	*	*
Camden Sq. (British Rainfall)	-	-	*	52	40	37	-	*	-	80
Kensington Palace ... ..	0	0	*	52	41	44	-	*	82 (18h)	92
Hampstead Observatory ... ..	*	*	*	50	38	35	-	00	*	85

### SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	YESTERDAY.		TO-DAY.	
	15 h. G.M.T.	9 h. G.M.T.	15 h. G.M.T.	9 h. G.M.T.
Total	231			
Milliwatts.				
Average Rate.	7.4			
Maximum Rate.	13			

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

Stations.	24 <sup>th</sup> JAN. AND 25 <sup>th</sup> JAN. 1921.		
	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth...	7.49	12.5	4.21
Greenwich	7.48	12.5	4.21
Wick	7.52	12.12	4.33
Valencia	8.38	12.24	4.11

### Photographic Record of

Pole Star (Polaris) and of  $\delta$  Ursae

Minoris at Greenwich Observatory.

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

to.....h.....m.

Stars.	Duration of Exposure.	Duration of Record.	
Polaris	h. m.	h. m.	%
$\delta$ Ursae			
Minoris			

### NOTES ON THE WEATHER OF YESTERDAY.

Temperature exceeded 50° in nearly all parts of the Kingdom except the North of Scotland. In the latter region it fell decidedly during the day and frost occurred at night.

Slight rain was experienced in many Southern Districts and heavy rain, followed by some snow, in some Scottish localities; at Castlebay the value was 17 mm, and at Leith 16 mm. Jersey recorded 3.7 hrs of bright sunshine and Torquay 3.9 hrs; elsewhere the records were much lower; over a very wide area the day was sunless.

\* Information for these columns not usually received.

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





## AIR MINISTRY.

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

BRITISH SECTION.

No. B.21,614 Tuesday, 25<sup>th</sup> January, 1921.

## OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 18H.

STATIONS.	BAROM.	Change	WIND.		TEMP.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea	BAROM.	Change	WIND.		TEMP.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea	
	at M.S.L.	in 2 hours.	Dir.	Force 0-12.					Form.	Amt. 0-10.	Form.	Amt. 0-10.		0-9.	at M.S.L.	in 2 hours.	Dir.					Force 0-12.	Form.	Amt. 0-10.	0-9.		
	mb.																										
12H. G.M.T. 24 <sup>th</sup>																											
Renfrew	1019.0	74	NE	4	0.5	31	92	3	1,250	Nb	10	-	-	1019.5	0	ENE	4	0.5	33	92	3	2,000	Nb	10	-	-	-
Eskdalemuir	1018.7	71	NE	3	0.5	31	97	6	-	Nb	10	-	-	1020.0	12.2	NE	3	0.5	32	97	4	-	Nb	10	-	-	-
Valencia (Cahire'n)	1021.7	0	SW	3	0.1	52	92	7	750	Str	10	-	-	1020.8	0	SSE	4	0.1	53	92	6	750	Str	10	-	-	4
Baldonnel	1018.6	0	SSW	5	0.1	52	85	6	2,000	Str	6	ASr	4	1019.1	0	SW	3	0.1	51	85	7	2,000	Str	7	Acu	7	0
Manchester (Alex Pk)	1017.7	72	W	4	0.2	51	85	4	2,000	Str	9	Acu	1	1019.0	71	E	3	0.5	44	97	3	2,000	Nb	10	-	-	0
Ross on Wye	1025.2	0	W	4	0	53	85	7	-	Clb	9	-	-	1020.6	71	W	2	0.1	51	75	9	3,000	Str	10	-	-	0
Falmouth	1021.5	71	SW	4	0	50	85	8	3,000	Str	8	ASr	1	1025.0	71	WSW	3	0.1	50	85	7	-	Str	7	-	-	0
Calshot (Hants)	1019.4	0	WNW	5	0.1	50	85	9	1,250	Str	10	-	-	1021.7	72	SSW	3	0	50	85	8	3,000	Str	10	-	-	2
Lympe (Folkestone)	1019.4	0	WNW	5	0.1	50	85	9	1,250	Str	10	-	-	1021.1	0	WSW	4	0	48	85	8	4,200	Str	10	-	-	0
Aberdeen	1019.4	73	WNW	2	0.1	34	85	6	2,000	Nb	3	ASr	7	1021.1	72	WNW	1	0.2	33	92	4	2,000	Str	5	ASr	5	3
Howden	1017.1	74	ENE	4	0.1	41	97	6	750	Nb	10	-	-	1021.2	75	E	3	0.1	37	97	5	1,250	Nb	10	-	-	0
Cranwell (Lines)	1017.6	71	WNW	5	0.1	50	92	5	2,000	Str	10	-	-	1020.9	74	E	2	0.1	40	97	4	750	Nb	10	-	-	0
Felixstowe	1017.9	71	WNW	4	0	50	75	7	3,000	Str	10	-	-	1020.0	73	WNW	2	0.1	49	85	6	2,000	Str	10	-	-	0
Shoeburyness	1019.1	0	W	3	0	51	75	7	4,200	Cl	4	Acu	4	1020.3	72	-	0	0.1	50	92	2	1,250	Str	5	ASr	5	0
Benson	1019.5	0	W	4	0	51	85	6	-	Str	10	-	-	1020.8	0	WSW	1	0	50	85	6	-	Str	10	-	-	0
S. Farnborough	1020.5	0	W	2	0	51	85	7	1,250	Str	10	-	-	1021.7	72	-	0	0	49	85	7	2,000	Cl	10	-	-	0
London (New Obs.)	1020.0	0	W	3	0.1	51	75	5	2,000	Str	10	-	-	1021.1	72	SW	2	0.2	51	85	5	2,000	Str	10	-	-	0
Croydon	1020.2	0	W	4	0.1	51	75	6	2,000	Str	8	ASr	2	1021.8	72	W	3	0.2	50	85	5	4,200	Str	10	-	-	0
1H. G.M.T. OF 25 <sup>th</sup>																											
Renfrew	1019.0	0	NE	4	0.2	34	97	4	-	Str	10	-	-	1019.7	74	SW	1	0.2	34	97	3	-	Str	10	-	-	0
Eskdalemuir	1019.6	0	NE	1	0.2	33	97	5	-	Str	10	-	-	1017.0	72	-	0	0.1	34	97	5	-	Nb	10	-	-	0
Valencia (Cahire'n)	1019.5	0	SSW	3	0	52	-	-	-	-	-	-	-	1017.6	72	SSW	3	0	52	92	6	750	Str	9	-	-	0
Baldonnel	1019.1	0	SSW	3	0.1	51	85	7	4,200	Str	7	Acu	3	1017.8	72	SW	4	0.1	50	85	7	4,200	Str	6	ASr	4	0
Manchester (Alex Pk)	-	-	-	-	-	-	-	-	-	-	-	-	-	1019.9	71	3	3	0.1	47	92	3	4,200	Str	10	-	-	0
Ross on Wye	-	-	-	-	-	-	-	-	-	-	-	-	-	1021.6	0	WNW	1	0.1	48	97	6	2,000	Str	9	Acu	1	0
Falmouth	1024.8	0	SW	5	0	50	97	7	-	Str	10	-	-	1023.6	71	SW	4	0	50	97	7	-	Str	10	-	-	0
Calshot (Hants)	1024.4	71	SSW	3	0.1	47	92	7	4,200	Str	10	-	-	1023.4	72	SSW	4	0.1	49	97	7	1,250	Str	10	-	-	2
Lympe (Folkestone)	1024.9	72	WNW	3	0	46	97	8	2,000	Str	10	-	-	1023.1	0	-	0	0.1	45	97	6	750	Nb	10	-	-	0
Aberdeen	-	-	-	-	-	-	-	-	-	-	-	-	-	1019.5	76	S	4	0.2	39	97	4	1,250	Nb	10	-	-	3
Howden	1022.3	0	SE	3	0.1	37	97	7	1,250	Nb	10	-	-	1020.1	76	S	3	0.1	39	97	4	750	Str	10	-	-	0
Cranwell (Lines)	1022.9	72	SE	2	0.1	38	97	6	2,000	Nb	10	-	-	1021.4	72	SSW	1	0.2	40	97	5	3,000	Str	6	Acu	4	0
Felixstowe	1024.0	73	E	3	0.1	47	92	6	2,000	Str	10	-	-	1023.2	71	S	3	0.2	44	97	5	750	Str	10	-	-	3
Shoeburyness	-	-	-	-	-	-	-	-	-	-	-	-	-	1022.9	0	-	0	0.1	44	92	3	4,200	Str	6	ASr	4	0
Benson	-	-	-	-	-	-	-	-	-	-	-	-	-	1021.6	71	SW	2	0	47	97	6	-	Str	10	-	-	0
S. Farnborough	-	-	-	-	-	-	-	-	-	-	-	-	-	1022.8	71	-	0	0.1	47	97	6	750	Nb	10	-	-	0
London (M.O. at 1st)	1023.0	71	-	-	-	-	-	-	-	-	-	-	-	1023.1	71	SW	2	0.2	47	92	4	1,250	Str	10	-	-	0
Croydon	1023.5	71	W	3	0.1	48	92	6	2,000	Str	5	ASr	5	1023.6	0	S	2	0.2	46	92	4	750	Str	10	-	-	0

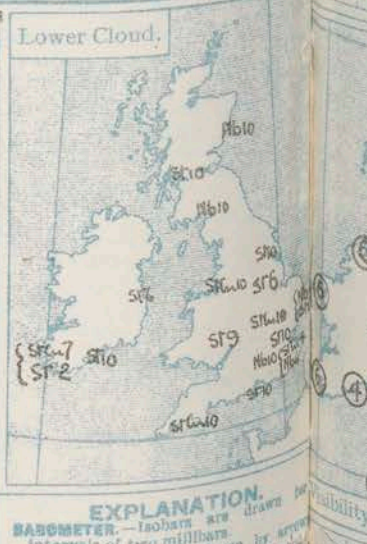
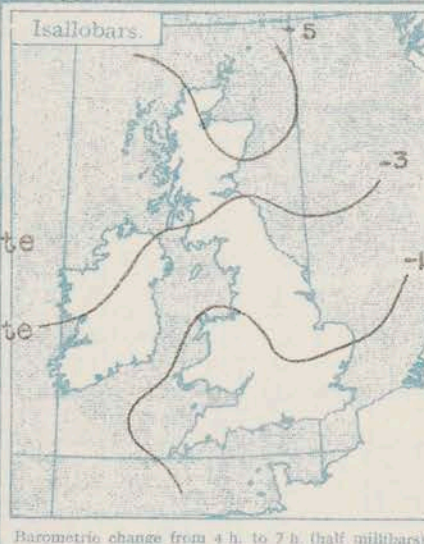
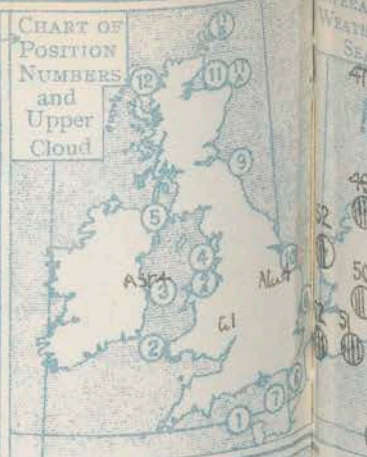
## STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.

STATIONS.	Barom.	TEMP.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Dir. of Upper Cloud.	Weather.	Sea.	Rainfall in.	TEMP.		WEATHER.			Sunshine Hours.
	at M.S.L.	°F.	Dir.	Force 0-12.		at M.S.L.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	
	mb.					mb.															
12H. G.M.T. of ... 24 <sup>th</sup>						12H. G.M.T. of ... 25 <sup>th</sup>						24 HOURS ENDED 7H. ... 25 <sup>th</sup>						24 <sup>th</sup>			
Lerwick	1020.8	29	WNW	1	b	1019.2	-5	37	+8	SE	3	-	b	2	-	37	26	b.	b	b	*
Stornoway	1017.2	36	ESE	2	o	1008.9	-4	47	+13	S	4	-	o	3	5	47	34	c.	c.o	c.op	0.0
Castell Bay (Barrow)	1015.8	40	NE	4	T	1012.2	0	50		SW	3	-	0	4	3.2	50	37	T.op	op	7.0	0.0
Malin Head	1015.1	49	SW	2	T fl	1012.8	0	49	+1	SW	2	-	oif	3	3	52	47	fl.	fl	omd	0.0
Blackod Point	1015.3	51	W	2	o 2-3 f	1013.3	-4	52	+2	W	3	-	c	3	3	54	47	c.	c	c	*
Roche's Point	1022.4	51	W	2	c	1022.2	-2	51	+1	SW	3	-	o	3	1	53	49	c.o.c	o.p.c	ome	*
Birr Castle	1019.4	48	SW	1	c	1017.8	*	50	0	SW	1	-	c	*	0.1	53	47	c.c	c	cp.c	0.4
Donaghadee	1016.0	47	W	1	cm	1016.1	-2	51	+1	W	1	-	cm	1	0.4	54	47	bcap	bcq	cmp	*
Liverpool (Bidston)	1018.4	50	W	5	o	1018.9	0	48	+1	SW	1	-	o	2	-	52	47	c.	o	o	0.6
Holyhead	1018.7	50	WSW	2	smg	1018.6	-1	49	-1	SW	4	-	4fe	3	1	51	46	og	sm	copo	0.0
Pembroke (St. Mary's)	1022.2	50	W	4	o	1021.8	-1	50	0	SW	3	-	o	3	1	50	49	c.o.c	c	om.adm	0.9
Scilly (St. Mary's)	1025.4	52	W	3	o	1023.7	-1	51	+1	SW	3	-	o	4	1	53	49	op.c	c.o	o	0.6
Jersey (St. Aubin)	1026.0	49	W	3	o	1025.9	0	49	0	SW	3	-	o	3	0.2	53	48	od.c	c. adm	adm.o	0.6
Portland Bill	1022.1	50	WSW	5	o	1024.6	0	50	+1	WSW	4	SW	o	5	-	50	45	og	bcap	oco	*
Dungeness	1020.9	49	SW	3	c	1023.1	0	48	-3	-	0	W	c	3	0.4	50	45	c	c	c.bcap	*
Wick	1015.9	36	ESE	3	o	1011.6	-6	39	+7	S	7	-	omrg	5	1	39	31	c.o.c	c.o	ogp	*
Nairn	1019.5	32	-	0	o	1011.4	*	36	+5	-	0	-	cu	1	4	36	29	cg.	cg.o	osp	0.0
Leith	1019.9	34	E	2	c	1015.2	-2	36	+1	E	1	-	r	2	19	36	32	s.rs	s.rs	rs.d	*
Tynemouth	1020.9	35	ESE	3	o, smg	1017.6	-2	38	-7	SW	3	-	omrb	3	16	46	35	omr	omr	omr. adm	*
Spurn Head	1020.3	39	E	4	o	1020.0	-3	42	-6	ESE	4	-	o	3	2	48	36	og	adm	op	*
Yarmouth (Long Porten)	1020.3	40	ENE	4	omf	1023.0	-1	41	+9	S	5	-	omrb	4	4	52	38	cuq/om	omr	om. omr	0.0
Clacton-on-Sea	1019.9	49	W	3	o	1023.0	0	44	-4	S	1	-	ogm	1	-	51	42	ov.	ogm	ogm	0.1
Nottingham	1020.5	42	E	3	o	1021.0	*	42	-6	W	1	-	fe	1	1	53	40	om	omgb	od	0.0



## SUMMARY OF CONDITIONS AT 7 h.G.M.T. 25.1.1921

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.	Temperature reported from Coastal and Cross Channel Steamers.			
				Position Number	Date	Time G.M.T.	Air °F
1. S.E. England	Dull, misty; slight rain	Indiff.	Slight	5.	24 <sup>th</sup>	08.00	48
2. E. England	Dull, misty; local rain	Poor	Slight	3.	"	09.00	48.5
3. E. Midlands	Dull, misty	Indiff.	-	6.	"	10.00	53
4. W. Midlands	Dull, misty	Fair	-	2.	25 <sup>th</sup>	02.20	50.5
5. S.W. England	Dull, slight rain locally	Good	Moderate	7.	"	03.10	50
6. South Wales	Dull.	Good	Slight	4H.	"	03.50	45
7. North Wales	Dull, foggy.	Poor	Slight				
8. N.W. England	Dull	Indiff.	Smooth				
9. N. Midlands	Dull, foggy	Poor	-				
10. N.E. England	Dull, some drizzle	Indiff.	Slight				
11. E. Scotland	Dull, some rain	Poor	Slight				
12. S.W. Scotland	Dull, misty, rainy.	Poor	Slight				
13. Isle of Man	Dull, misty.	Poor	Smooth				
14. N. & N.W. Scotland	Dull, rainy, squally	Indiff.	Moderate				
15. Hebrides	Dull, showery	Fair	Slight				
16. Orkneys and Shetlands	Fair to dull; some rain	Fair	Moderate				
17. N.W. Ireland	Dull	Fair	Slight				
18. N.E. Ireland	Dull	Indiff.	Slight				
19. S.E. Ireland	Dull	Indiff.	Slight				
20. S.W. Ireland	Dull	Indiff.	Slight				



GENERAL INFERENCE from observations received up to 9h.

A depression that has appeared to the Westward of Scotland seems likely to move Eastward. Winds from between S. & S.W. will probably continue over the Kingdom generally, with much cloud, some rain at times, and a temperature high for the time of the year.

**EXPLANATION.**  
**BAROMETER.**—Isobars are drawn at intervals of two millibars by arrows pointing in the direction of the wind. Force, on the scale of 0-12, is indicated by the number of feathers. Mean velocity is shown in small circles per hour by figures in small circles.  
**TEMPERATURE** is given in degrees F.  
**WEATHER SYMBOLS.**  
 ○ clear sky. ○ sky & cloud. ○ sky & cloud. ○ sky & cloud. ○ overcast sky. ○ rain falling. \* snow. ○ mist. ≡ fog. ≡ mist. T thunder. K thunderstorm.  
**SEA DISTURBANCE.**—High. Rough. High.

Districts.	Forecasts for the 24 hours commencing 15h.G.M.T. Tuesday 25th January 1921
1. S.E. England	Wind between SW & S, light or moderate, fresh at times locally. Mainly overcast, some local rain or drizzle probable, fairer intervals; visibility indifferent to fair. Mild.
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	Wind between S.E. & S.W., moderate; fresh or strong locally; much cloud, some rain. Visibility indifferent. Milder.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	Wind between S. & S.W. or West, light to fresh, cloudy or overcast, some rain or showers, fairer intervals. Visibility mainly fair. Mild.
19. S.E. Ireland	
20. S.W. Ireland	

Further Outlook.

Continuing mild, with the general wind current from between S. & S.W.



# SYNOPTIC CHART FOR MORNING OF Tuesday, 25<sup>th</sup> January, 1921

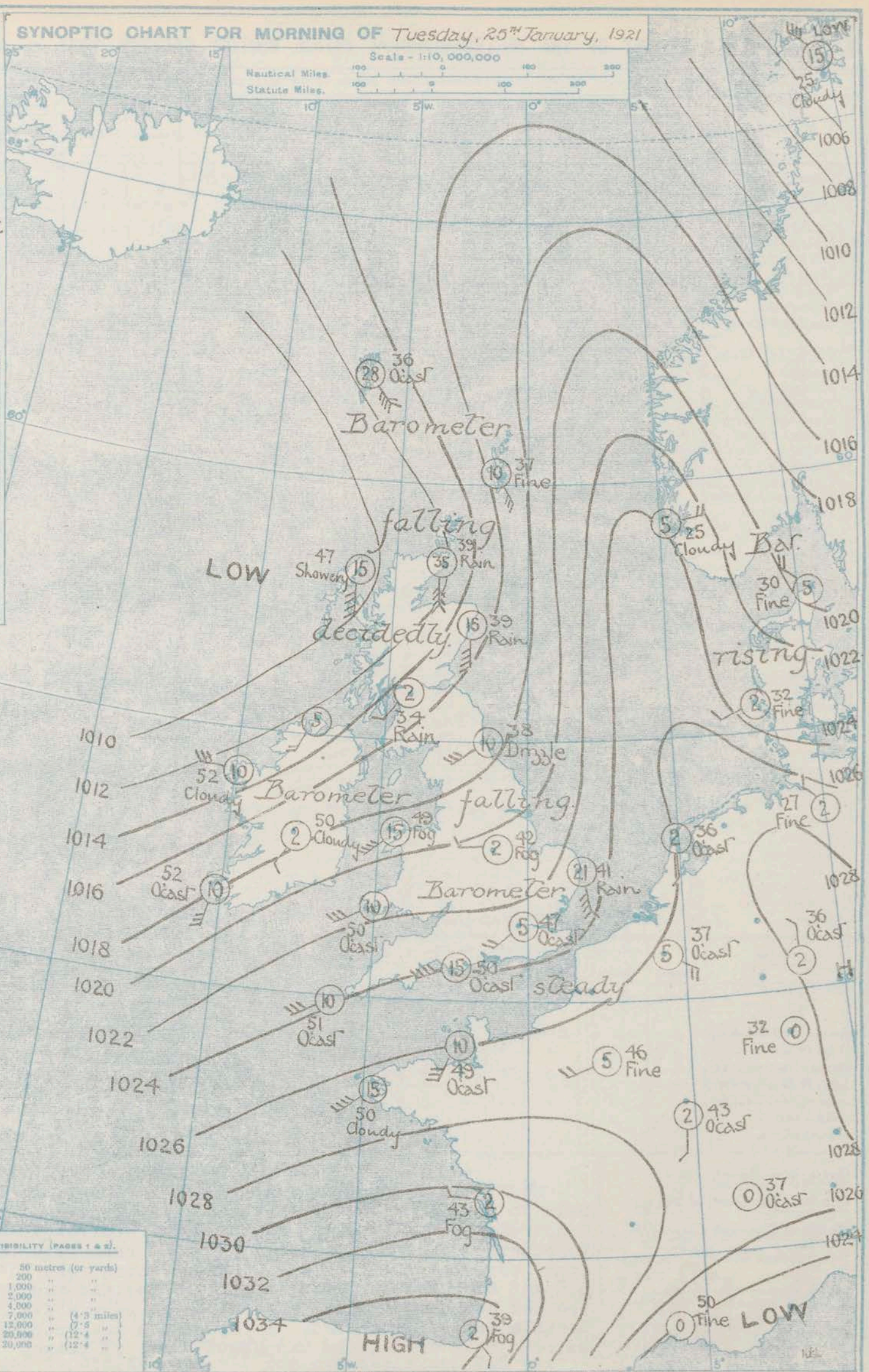
Scale - 1:10,000,000  
Nautical Miles. 100 0 100 200  
Statute Miles. 100 0 100 200



VISION.  
are drawn by  
ars.  
shown by arrow  
Force, on the  
the number  
y is shown in  
small circles  
in degrees f.

sky i. clouded.  
sky i. clouded.  
rain falling.  
ball.  
mist.  
thunderstorm.  
High  
look.

g mild,  
eneral  
nt from  
& S.W.



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

Code	Description	Objects not visible at	50 metres (or yards)
0	Dense fog.		
1	Very Bad		
2	Bad		
3	Very Poor		
4	Poor		
5	Indifferent		
6	Fair		
7	Good		
8	Very Good.		
9	Excellent.		

Objects visible beyond 20,000 (12.4 " )



Tuesday  
25<sup>th</sup> January

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 24 <sup>th</sup>															
STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.
	Forenoon.	Afternoon.	Max. F.	Min. F.	Night 12h-12h.	Day 12h-12h.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. F.	Min. F.	Night 12h-12h.	Day 12h-12h.	Sunrise to Sunset.
Scotland.								England, N.W.							
Oban ...	or	orhs	38	36	10	9	0.0	Douglas (I.O.M.)							
Banff ...	ho.	o	?	33	3	-	0.0	Blackpool ...	o	o	48	45	-	-	0.0
Montrose ...								Southport ...	o.c.o	o.c	48	44	0.2	-	0.1
St. Andrews ...	?	?	33	29	19	3	0.0	Morecambe ...	x.	x.	47	43	-	1	0.0
England, N.E.								Midlands.							
Harrogate ...	od	od	47	36	0.2	6	0.2	Buxton ...							
Scarborough ...	or	or	52	36	3	4	0.0	Leamington Spa...	o	c.b	53	42	-	-	0.0
Skegness ...	bc.o.	od	50	44	-	1	0.0	Malvern ...	o.c.	o.o	53	48	-	-	1.2
England, E.								Bath ...	o	o.c.bc	53	48	-	-	1.0
Lowestoft ...								Wales.							
Felixstowe ...	c.	o	51	41	-	-	0.0	Rhyl ...	c.	bc. cp	54	45	-	0.2	1.2
Southend-on-Sea...	o	o	50	43	-	-	0.0	Colwyn Bay ...	x	x	53	48	-	-	1.6
England, S.E.								Llandudno ...	o.o.c	bc.o	53	47	0.3	0.4	2.2
Tunbridge Wells	o.c	o	52	43	-	-	0.0	Aberystwyth ...	o.o.c	c.o.o	49	44	-	-	0.0
Margate ...	o	o	51	43	-	-	0.0	Tenby ...							
Ramsgate ...	o	o	50	43	-	-	0.0	Swansea ...							
Folkestone ...	o.c.	c.o	53	44	-	-	1.2	England, S.W.							
Hastings ...	o	c.o	52	47	-	-	0.1	Weymouth ...	o.bc	c.bc	54	45	-	-	0.9
Eastbourne...	o	c.o	50	47	-	-	0.1	Teignmouth ...							
Brighton ...	o	c.o	50	43	-	-	0.2	Torquay ...	c.	c	51	49	-	-	1.9
Worthing ...	o.c.	o	52	39	-	0.3	0.1	Paignton ...	c.	c	56	48	-	-	0.7
Littlehampton ...	o.or	o.c	50	47	-	0.1	0.0	Penzance ...	o.bc	bc.c	55	48	0.3	1	1.5
Portsmouth (S' thea)	x.	x.	52	42	-	-	0.2	Newquay ...	am.bcy	amp.de	52	48	0.4	1	0.9
Bournemouth ...	*	*	53	47	-	-	0.6	Bude ...	m.o.c	bc	53	48	2	0.2	1.9
Ventnor (I. of W.)	*	*						Ilfracombe ...	bc.c	c.o	51	47	1.08	-	0.5
								Weston-s-Mare ...	c.	c.bc.c	51	45	1	0.2	0.6

SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.			THE BEAUFORT SCALE OF WIND FORCE.			
STATIONS.	WEATHER.				Max. Temp. F.	Min. Temp. F.	Min. on Grass F.	Rainfall.		Sun. Hours.	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. e wet air without rain falling. f fog. g gloom. h hail. i lightning. m mist. o overcast sky. p passing showers. q squalls. r rain. rs sleet, i.e., rain and snow together. s snow. t thunder. u ugly, threatening sky. 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.			Used only for surface observations. Limits of Velocity at about 30 feet above ground.		
	7h-12h	12h-18h	18h-7h	24h				Day 7h-18h	Night 18h-7h							
Renfrew ...	o2/r135	o2/r135	o2/r135	o2/r135	36	31	31	mm.	mm.	0.0	No. Statute miles per hour. Metres per second.					
Eskdalemuir ...	rs. rs.	rs. rs.	rs. rs.	rs. rs.	36	31	31	13	10	0.0						
Valencia (Canine's)	o2/r135	o2/r135	o2/r135	o2/r135	54	51	50	1	1	0.4	0 Less than 1 Less than 0.8					
Baldonnell ...	o2/r135	o2/r135	o2/r135	o2/r135	52	47	44	q8	-	0.0						
Manchester (Alex Park)	o2/r135	o2/r135	o2/r135	o2/r135	52	43	37	1	7	*	1-3 4-7 8-12 13-18 19-24 25-31 32-38 39-46 47-54 55-63 64-75 Above 75					
Ross on Wye...	o2/r135	o2/r135	o2/r135	o2/r135	54	47	43	-	-	0.5						
Falmouth ...	bc.c.o	bc.c.o	bc.c.o	bc.c.o	55	48	48	trace	2	1.1	Less than 1 0.8-1.5 1.6-2.8 2.9-5.4 5.5-7.9 8.0-10.7 10.8-13.8 13.9-17.1 17.2-20.7 20.8-24.4 24.5-28.1 28.2-30.6 30.7 or above					
Calshot (Hants)...	o2/r135	o2/r135	o2/r135	o2/r135	53	46	40	trace	1	0.7						
Lymington (Folkestone)	o2/r135	o2/r135	o2/r135	o2/r135	51	45	44	-	trace	0.8	Solar halo Aurora Glazed frost Glazed roads Lime Squalls Snow lying					
Aberdeen ...	o2/r135	o2/r135	o2/r135	o2/r135	39	32	31	-	8	0.0						
Howden ...	o2/r135	o2/r135	o2/r135	o2/r135	51	36	35	10	7	0.0	Solar halo Aurora Glazed frost Glazed roads Lime Squalls Snow lying					
Cranwell (Lincs) ...	o2/r135	o2/r135	o2/r135	o2/r135	51	37	37	1	1	0.6						
Felixstowe ...	o2/r135	o2/r135	o2/r135	o2/r135	52	42	41	-	2	0.0	Solar halo Aurora Glazed frost Glazed roads Lime Squalls Snow lying					
Shoeburyness ...	bc.c.o	bc.c.o	bc.c.o	bc.c.o	53	43	41	-	-	0.0						
Benson ...	o2/r135	o2/r135	o2/r135	o2/r135	52	44	36	-	-	*	Solar halo Aurora Glazed frost Glazed roads Lime Squalls Snow lying					
S. Farnborough ...	o2/r135	o2/r135	o2/r135	o2/r135	52	43	37	-	0.3	0.1						
London (Kew Obs.)	o2/r135	o2/r135	o2/r135	o2/r135	52	47	41	-	-	0.0	Solar halo Aurora Glazed frost Glazed roads Lime Squalls Snow lying					
Croydon ...	o2/r135	o2/r135	o2/r135	o2/r135	51	46	40	-	trace	*						

LONDON OBSERVATIONS.										SOUTH KENBINGTON (Meteorological Office).			TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
WEATHER.				Max. Temp. F.	Min. Temp. F.	Min. on Grass F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity %		Vertical Component of Solar Radiation per Square Centimetre during yesterday.		Stations. Sunrise. Noon. Sunset.			
Morning.	Afternoon.	Night.	15h G.M.T.						9h G.M.T.							
24 HOURS ENDED BY G.M.T. 25 <sup>th</sup>										YESTERDAY.		TO-DAY.		25 <sup>th</sup> 26 <sup>th</sup> January 1920.		
Greenwich (Royal Observatory)	o	o	o2.c	52	46	39	-	0.0	78	92	Yarmouth...					
City (Bunhill Row)	*	*	*	*	*	*	*	0.0	*	*				Greenwich		
Westminster (St. James's Park)	*	*	3.0	53	47	40	0.1	0.0	77	86	Wick					
Regents Park (Botanical Gardens)	*	*	*	*	*	*	*	*	*	*				Valencia ...		
Green Sq. (British Rainfall)	o	o.c	*	52	46	40	-	*	79	90						
Kenington Palace	o	o	*	53	47	41	-	*	82 (18h)	93						
Hampstead Observatory	*	*	*	50	46	40	-	0.0	*	96						

Photographic Record of Pole Star (Polaris) and of 8 Ursae Minoris at Greenwich Observatory.

Exposure from 24<sup>th</sup> 17h. 46. m. to 25<sup>th</sup> 6. h. 46. m.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	13. 0	0. 40	5
8 Ursae Minoris	13. 0	0. 26	3

NOTES ON THE WEATHER OF YESTERDAY.

Heavy sleet and rain fell in the South of Scotland and heavy rain on the N.E. Coast of England. At Eskdalemuir the measurement was 23 mm., at Leith 19 mm., Renfrew 18 mm., and at Tynemouth 16 mm. Smaller amounts of rain occurred in most other parts of the Kingdom. Temperature rose to between 50° and 54° over the greater part of England and Ireland and touched 56° at Paignton, but failed to rise above 36° in the South & East of Scotland. A few places in North Wales and the extreme S.W. of England had about 2 hrs of bright sunshine and Jersey 3.7 hrs; elsewhere the day was sunless or nearly so.





DATE  
1926  
BY  
RATON.

## 36

45

[illegible]

56  
41

49

50

39

52

48

5.

子

11

2000

1997

11

[illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1

11

[illegible]

11

10

10

1

100

1

1990

1

1997

22

h

10

10

11

nat

1

1998

1

2005



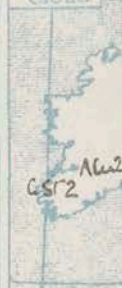
## SUMMARY OF CONDITIONS AT 7 h.G.M.T. 26.1.1921

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Fair to dull	Good	Slight
2. E. England	Dull; slight local rain	Fair	Slight
3. E. Midlands	Dull.	Fair	--
4. W. Midlands	Dull	Good	--
5. S.W. England	Fair to dull	Good	Moderate
6. South Wales	Dull	V. Good	Moderate
7. North Wales	Fair to cloudy	Good	"
8. N.W. England	Dull	Fair	Slight
9. N. Midlands	Dull	Indiff.	--
10. N.E. England	Cloudy	Indiff.	Slight
11. E. Scotland	Fair to cloudy; misty	Poor	Smooth
12. S.W. Scotland	Dull	Fair	Slight
13. Isle of Man	Cloudy	Fair	Smooth
14. N. & N.W. Scotland	Dull	Fair	Slight
15. Hebrides	Fair to dull, showery	Fair	Moderate
16. Orkneys and Shetlands	Dull, slight rain	Indiff.	slight
17. N.W. Ireland	Fair to cloudy	Good	Moderate
18. N.E. Ireland	Fair to cloudy	"	"
19. S.E. Ireland	Cloudy	"	Smooth
20. S.W. Ireland	Cloudy	"	Slight

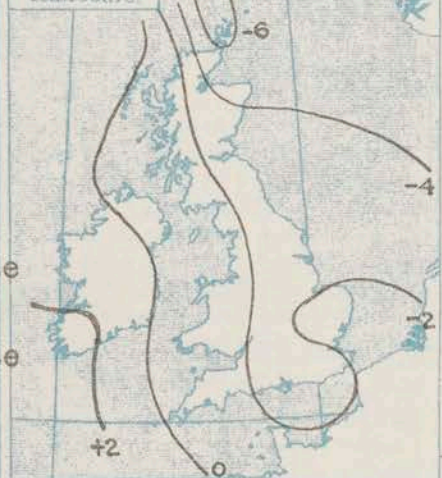
Temperature reported from Coastal and Cross Channel Steamers

Position Number.	Date	Time G.M.T.	Sea °F	Air °F
5	25 <sup>th</sup>	0815	48	50
12	25 <sup>th</sup>	0545	48	46
1	25 <sup>th</sup>	1205	51	52

CHART OF POSITION NUMBERS and Upper Cloud



Isallobars



Barometric change from 4 h. to 7 h. (half millibars).

Lower Cloud.



## EXPLANATION.

**BAROMETER.**—Isobars are drawn at intervals of two millibars.

**WIND.**—Direction is shown by arrow flying with the wind. Force, on the scale 0-12, is indicated by the number in the feathers. Mean velocity is shown in miles per hour by figures in small circles.

**TEMPERATURE.**—Is shown in degrees F.

**WEATHER SYMBOLS.**—

- clear sky.
- sky + clouded.
- overcast sky.
- \* snow.
- ≡ fog.
- T thunder.
- SEA DISTURBANCE.
- High
- Low
- sky + clouded.
- sky + clouded.
- rain falling.
- hail.
- ≡ mist.
- thunderstorm.

GENERAL INFERENCE from observations received up to 9h

The pressure distribution continues favourable for the passage of depressions from the Atlantic over the British Isles, and winds between South & West, with mild, unsettled weather, are therefore still to be expected. Similar conditions will probably continue for some days.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T.
1. S.E. England	Wind SW & West, light or moderate. Variable sky, overcast at times, local showers; visibility fair or good. Mild.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	Wind between West & South, light or moderate to fresh; variable sky, some rain or showers; Visibility fair or good. Mild.
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Wind mainly between SW. & West, veering towards NW; cloudy or overcast, some showers of rain or sleet, snow locally; visibility fair; temperature falling temporarily.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	Wind between S. and W., light or moderate to fresh or strong; variable sky, some rain or showers, visibility fair; mild.
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

Further Outlook.

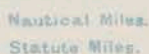
Continuing mild and unsettled generally.



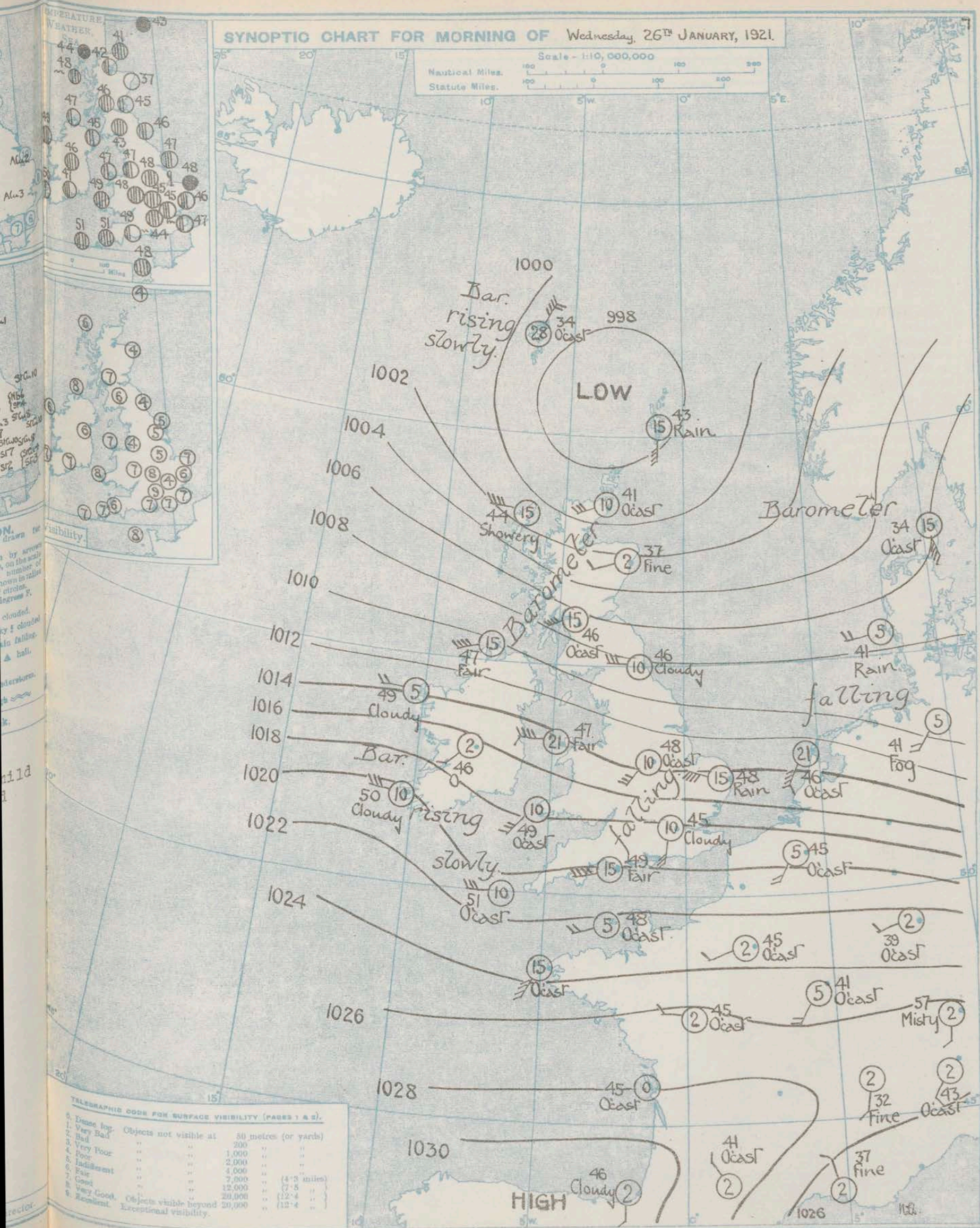
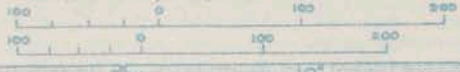
Scale - 1:10,000,000

Nautical Miles. 100 0 100 200

Statute Miles. 100 0 100 200



Scale - 110,000,000



TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2)

Season	Objects not visible at	50 metres (or yards)	
1. Very foggy	"	200	"
2. Very Bad	"	1,000	"
3. Bad	"	2,000	"
4. Very Poor	"	4,000	"
5. Poor	"	7,000	(4.3 miles)
6. Indifferent	"	12,000	(7.5 "
7. Fair	"	20,000	(12.4 "
8. Good	"	20,000	(12.4 "
9. Very Good	"		
10. Excellent	"		



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

STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night.	Day.	Sunrise to Sun- set.			Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night.	Day.	Sunrise to Sun- set.
						18h-9h.	9h-18h.								18h-9h.	9h-18h.	
						24 <sup>th</sup>	25 <sup>th</sup>	25 <sup>th</sup>							24 <sup>th</sup>	25 <sup>th</sup>	25 <sup>th</sup>
						mm.	mm.								mm.	mm.	
Scotland.	Oban ... ..								England, N.W.	Douglas (I.O.M.)							
	Banff ... ..	b.b.c.	b.c.	44	35	-	-	2.0		Blackpool ... ..	b.b.c.	o	44	35	-	-	1.0
	Montrose ... ..									Southport ... ..	b.b.c.	o	44	35	-	-	1.0
	St. Andrews ... ..	*	*														
England, N.E.	Harrogate ... ..	f.b.c.	b.c.	44	34	k	-	3.3	Midlands.	Buxton ... ..							
	Scarborough ... ..	*	*							Leamington Spa...	*	*					
	Skegness ... ..									Malvern ... ..							
										Ross-on-Wye ... ..	m.b.c.	b.	49	36	-	-	7.1
England, E.	Lowestoft ... ..	b	b	46	34	-	-	7.5	Wales.	Rhyl ... ..	b.c.c.	b.c.	48	35	-	-	1.0
	Felixstowe ... ..	b.c.	b.c.	44	37	-	-	7.8		Colwyn Bay ... ..	*	*	47	40	1	-	1.7
	Southend-on-Sea...	b.	b.	49	34	-	-	7.2		Llandudno ... ..	-	-	49	38	-	-	1.3
										Aberystwyth ... ..							
England, S.E.	Tunbridge Wells	b	b	48	30	0.3	-	7.1	England, S.W.	Weymouth ... ..							
	Margate ... ..									Teignmouth ... ..							
	Ramsgate ... ..									Torquay ... ..	b.c.b	b.	48	35	-	-	7.6
	Folkestone ... ..	b.c.	b	50	35	-	-	7.0		Paignton ... ..							
	Hastings ... ..	b	b	49	35	-	-	8.1		Penzance ... ..	b.c.	b.c.o	50	38	1	-	6.4
	Eastbourne ... ..	b.	b.c.	48	34	-	-	7.8		Newquay ... ..	b.	o.b.o	48	37	-	-	6.5
	Brighton ... ..	b.m.	c.b	48	32	0.2	-	6.3		Bude ... ..							
	Worthing ... ..	b.b.c.r.	b.b.	49	32	-	-	6.5		Ilfracombe ... ..							
	Littlehampton ... ..	b.c.m.	b.c.m.	47	?	-	-	7.4		Weston-s-Mare ... ..							
	Bournemouth ... ..	*	*	49	33	1	-	7.5		Bath ... ..	m.b	b.b.c	50	30	-	-	6.3
	Ventnor (I. of W.)			50	39	-	-	7.5									

STATIONS.	SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.	THE BEAUFORT SCALE OF WIND FORCE. Used only for surface observations.
	WEATHER.				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	RAINFALL.		Sun. Hours.		
	7h-18h <sup>25</sup>	18h-18h <sup>25</sup>	18h <sup>25</sup> -1h <sup>26</sup>	1h-7h <sup>25</sup>				Day. 7h-18h	Night. 18h-7h			
								inm.	mm.			
Eskdalemuir ... ..	c.b.c.b.c.o.r	o	a	o	45	35	37	0.3	-	0.3	b blue sky (not more than a quarter covered).	
Valencia (Cahirciveen) ... ..	c.d.o.p	o.r.o	r.l.o.c.p		49	39	36	2.2	20	0.1	bc sky partly cloudy (one half covered).	
Baldonnel ... ..	r.h.g	q.r.h	q.r.h	q.r.	49	40	*	*	*	*	c generally cloudy (three quarters covered).	
Anglesey (Llangefni) ... ..							*	*	*	*	d drizzle, or fine rain.	
Falmouth ... ..	b.b.c.g	b.c.o.g	o.g.	o.g.r.g	50	39	46	-	trace	6.3	e wet air without rain falling.	
Calshot (Hants) ... ..	b.b.c	b.b.c	b.c.c.	c.o	47	38	38	-	-	7.8	f fog. g gloom.	
Capel (Folkestone) ... ..							*	*	*	*	h hail. i lightning.	
Aberdeen ... ..	b.b.c.o.g	b.c.g	c.p.p		44	35	40	-	trace	0.8	m mist. o overcast sky.	
East Fortune ... ..	p.g	q.c.o	q.h.	q	47	38	*	*	*	*	p passing showers.	
Flamborough Head ... ..	z.g	b.c.g	b.b.c.g	c.o.g	49	37	*	*	*	*	q squalls. r rain.	
Felixstowe ... ..	b.b.c.z	b.b.c	b.b.c	b.b.c	44	40	*	*	*	*	rs sleet, i.e., rain and snow together.	
Cranwell (Lincs) ... ..	b.c.c.o	b.c.c.v	u.c.o	p.o	45	32	*	*	*	*	s snow. t thunder.	
Shoeburyness ... ..	d.c.b.c.m	b.b.c.b	b.b.c.c		48	33	30	-	-	7.3	u ugly, threatening sky.	
Benson ... ..	b.	b.	b.c.o		47	33	34	-	-	2	v unusual visibility.	
London (Kew Obsy.) ... ..	b.m.x.b.z.b.c	b.c.z.b.m	b.c.c		47	32	29	-	-	6.2	w dew. x hoar frost.	
											y dry air; humidity less than 60 per cent.	
											z dust haze; the turbid atmosphere of dry weather.	

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

Limits of Velocity at about 30 feet above ground.		
No.	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.4
11	64-75	28.5-33.5
12	Above 75	33.6 or above

SYMBOLS—

Aurora	☆	Solar halo	⊕
Rime	≡	Lunar halo	⊙
Glazed frost	∞	Solar corona	⊙
Glazed roads	⊕	Lunar corona	⊙

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fell. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.		
	Morning.	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.				
	24 HOURS ENDED 9h G.M.T. 26 <sup>th</sup>							YESTERDAY.	TO-DAY.	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	26 <sup>th</sup> & 27 <sup>th</sup> January 1920			
												Stations.	Sunrise.	Noon.
Greenwich (Royal Observatory)	b	b	b.0	49	36	26	-	7.1	70	86		G.M.T.	G.M.T.	G.M.T.
City (Bunhill Row) ... ..	*	*	*	*	*	*	*	3.4	*	*		7.47	12.6	4.24
Westminster (St. James's Park)	*	*	*	49	34	27	-	4.5	65	82		7.46	12.6	4.26
„ (Admiralty Arch)	b.m.b.c.m	b.m.b	c.m.o.p.b.c.g	49	40	*	-	3.7	71	89	Total ..... 38.6 ..... Joules.	Yarmouth ... {		
Camden Sq. (British Rainfall)	-	-	*	47	35	28	-	*	-	88	Milliwatts.	Greenwich {		
Kensington Palace ... ..	b.b.c	b.c	*	48	41	32	-	*	83 (18h)	91	Average Rate. 1.3	Wick ... {		
Hampstead Obsy. ....	o.m.x	o	o.m	46	35	30	-	5.5	*	91	Maximum Rate. 2.6	Valencia ... {		
												8.32	12.25	4.15
												8.33	12.54	5.14
												8.32	12.54	5.16

## NOTES ON THE WEATHER OF YESTERDAY.

On the Western Coasts and in Ireland strong winds or gales endured most of the day.

In the Eastern and Southern districts the weather was mainly fair or fine. The maximum sunshine was 8.1 hours at Hastings while most of the Health Resorts in England had over 7 hours sunshine.

Heavy rain fell in the West of Ireland both during the day and night. As much as 4.4 in. fell at Blacksod during the 24 hours ended 7 a.m. today. 4.2 in. fell at Valencia during the same period.

The maximum temperature was between 45° F. and 50° F over most of the country.





NATURE.

Min.

28

46

114

45

10

五、

37

£2.

22	
----	--

29.

[illegible]

1

1

1

10

11

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

1

[illegible]

11

1

1

11

1

10

1

1

1

1

11

10

1

10

5

11

4. YOUNG PEOPLE

The barometric change is expressed in half millibars.

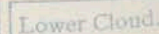
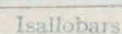
§ For code see page 2

† See footnote p 4



Temperature reported from Coastal and  
Cross Channel Steamers.

CHART OF  
POSITION  
NUMBERS  
and  
Upper  
Cloud



**SUNSHINE.**—Isobars  
Intervals of two millibars.  
**WIND.**—Direction is shown by arrow  
lying with the wind. Force, on the scale  
0-12, is indicated by the number of  
feathers. Mean velocity is shown in miles  
per hour by figures in small circles.  
**TEMPERATURE** is given in degrees F.  
**WEATHER SYMBOLS.**— sky cloudy.  
clear sky. sky & clouds.  
overcast sky. rain falling.  
\* snow. \* mist. & hail.  
≡ fog. ≡ mist.  
T thunder. R thunderstorm.  
SEA STATE.— High—  
Rough—

A ridge of high pressure extending over Great Britain from the South-Westward is likely to move Eastward and be followed by further depressions from the Atlantic.

A slight secondary depression over the North of Ireland will probably disperse gradually but may cause rain or drizzle in its locality

### Further Outlook.

None issued.



# SYNOPTIC CHART FOR MORNING OF Thursday, 27<sup>th</sup> JANUARY, 1921.

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

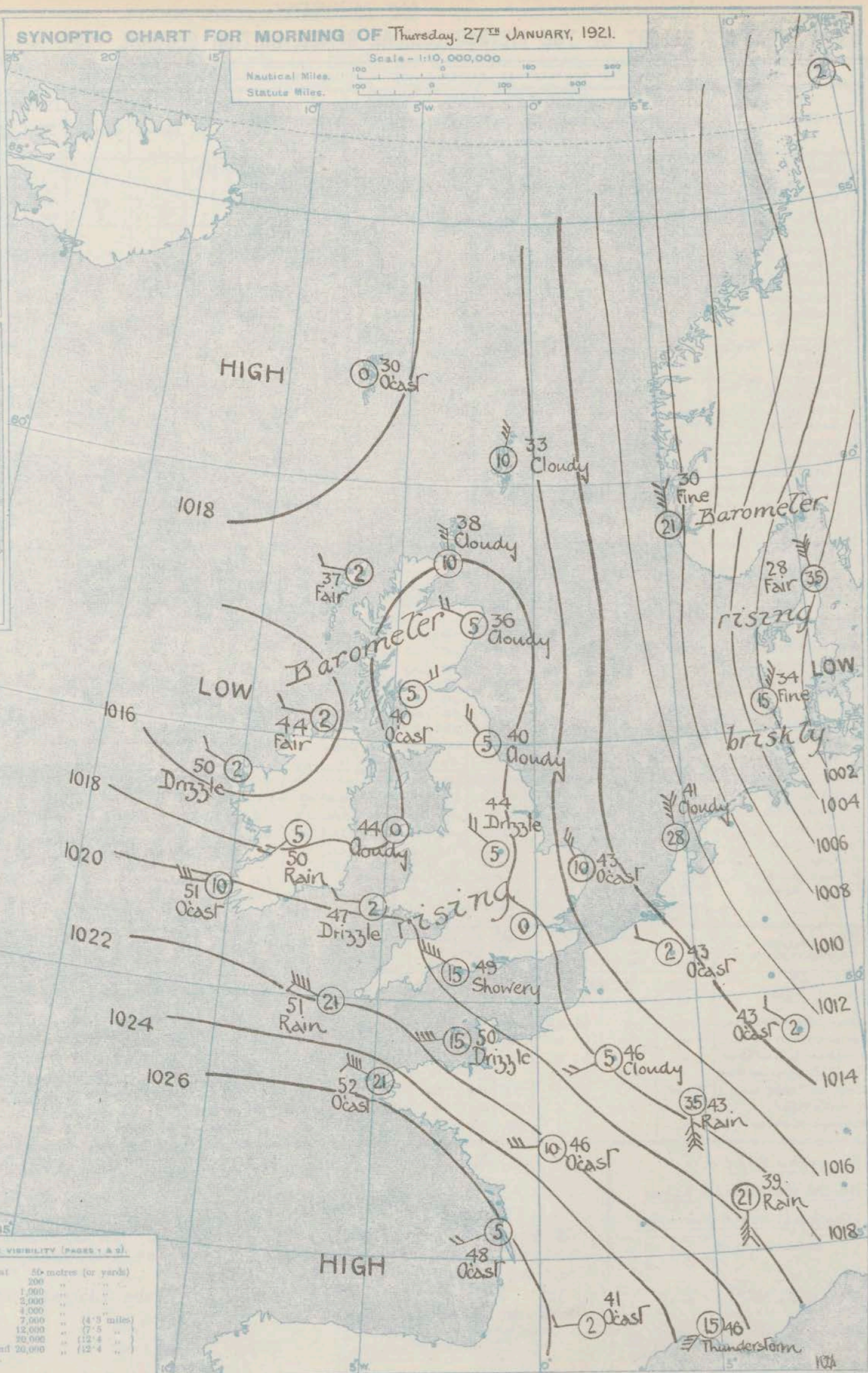


VISION.  
are drawn  
down by arrow  
on the sea  
the number  
is shown in  
small circles  
in degrees &  
minutes.  
by 1 clouded  
sky & clouds  
are shown  
by 2. High  
look.

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

Code	Description	Objects not visible at	50 metres (or yards)
0	Dense fog		
1	Very Bad		
2	Bad		
3	Very Poor		
4	Poor		
5	Indifferent		
6	Fair		
7	Good		
8	Very Good		
9	Excellent		

Objects visible beyond 20,000  
Exceptional visibility.





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

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night.	Day.	Sunrise to Sunset.	Forenoon.		Afternoon.	Max. ° F.	Min. ° F.	Night.	Day.	Sunrise to Sunset.		
					18h-24h.	24h-18h.							25 <sup>th</sup> -26 <sup>th</sup> .	26 <sup>th</sup> -27 <sup>th</sup> .		26 <sup>th</sup> .	
Scotland.	Oban ... ..	c. op.	op	49	37	2	2	0.0	England, N.W.	Douglas (I.O.M.)							
	Banff ... ..	bc.	bc. cr	48	41	0.4	0.4	3.3		Blackpool ... ..	?	?	47	45	5	5	
	Montrose ... ..									Southport ... ..	o.	cr	47	45	8	5	
	St. Andrews ...	bc	c	48	35	-	-	4.6		Morecambe	x.	x.	46	44	6	4	
England, N.E.	Harrogate ... ..	o. c. bc.	bc. c	46	42	3	0.1	1.0	Midlands.	Buxton ... ..							
	Scarborough ...	b.	bc	51	45	2	-	1.8		Leamington Spa...	bc.	o	51	45	-	-	
	Skegness ... ..	o.	o. bc. o	51	45	3	-	1.5		Malvern ... ..	c.	c	51	46	1	0.3	
England, E.	Lowestoft ... ..									Bath ... ..	cr. c. bc.	o. c. bc. b	51	45	0.3	1	
	Felixstowe ... ..	omp.	omg	49	45	-	0.3	0.0		Rhyl ... ..	c.	cp	50	46	5	0.4	
	Southend-on-Sea...	o. c. o	o.	50	43	-	-	0.4		Colwyn Bay	x.	x	49	45	6	1	
England, S.E.	Tunbridge Wells	c. o. d.	o. c. o	51	43	0.3	0.3	0.2		Llandudno ... ..	o.	ord.	51	46	10	1	
	Margate ... ..	o	o	51	45	1	-	0.0		Aberystwyth ...	r. c.	cr. r	49	46	5	3	
	Ramsgate ... ..	*	*	49	43	-	-	0.0		Tenby ... ..							
	Folkestone ... ..	o	o	50	44	-	1	1.0		Swansea ... ..							
	Hastings ... ..	od	oc. bc	50	45	-	0.1	0.0		Weymouth ... ..	o. bc.	bc	54	46	0.2	-	
	Eastbourne ... ..	p. o.	o. c.	50	46	-	0.1	0.8		Teignmouth							
	Brighton ... ..	bc. o	o. c. b	50	46	-	-	1.3		Torquay ... ..							
	Worthing ... ..									Paignton ... ..	g. bc.	bc. b	54	41	trace	-	
	Littlehampton ...	bc	bc	50	45	-	-	1.7		Penzance ... ..	c. bc.	bc. c	53	47	1	-	
	Portsmouth (S. Sea)	x.	x.	53	45	-	-	1.5		Newquay ... ..	o. cv.	bc. c. b	51	44	0.1	-	
	Bournemouth ...	*	*	52	44	-	-	1.3		Bude ... ..	c. bc.	bc	51	45	-	-	
	Ventnor (I. of W.)	*	*							Ilfracombe ... ..	o. c. bc. c	c. oq.	50	47	0.3	-	
										Weston-s-Mare ...	bc.	bc. c	49	45	1	-	

## SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		Sun.	
	7h-18h 26 <sup>th</sup> .	18h-18h 26 <sup>th</sup> .	Max. Temp. °F.	Min. Temp. °F.	Day. 7h-18h.	Night. 18h-7h.	Hours.	Sun.
Renfrew ...	c. op.	op.	48	38	31	0.1	0.0	
Eskdalemuir ...	o. c. o.	o. c. o.	46	35	33	0.1	0.0	
Valencia (Cahire'n)	o. c. o.	o. c. o.	52	49	50	1	0.4	
Baldonnel ...	o. c. o.	o. c. o.	50	42	41	1	0.1	
Manchester (Alex. P. K.)	o. c. o.	o. c. o.	49	43	38	2	0.3	
Ross on Wye ...	o. c. o.	o. c. o.	52	44	36	0.2	2.5	
Falmouth ...	o. c. o.	o. c. o.	52	47	45	3	3.3	
Calshot (Hants) ...	o. c. o.	o. c. o.	52	46	42	0.2	1.4	
Lymington (Folkestone)	o. c. o.	o. c. o.	48	41	39	1	0.3	
Aberdeen ...	o. c. o.	o. c. o.	48	35	31	-	6.3	
Howden ...	o. c. o.	o. c. o.	48	37	30	0.2	0.0	
Cranwell (Lines) ...	o. c. o.	o. c. o.	49	39	36	0.2	1.3	
Felixstowe ...	o. c. o.	o. c. o.	49	42	38	0.4	0.1	
Shoeburyness ...	o. c. o.	o. c. o.	54	43	39	0.2	0.1	
Benson ...	o. c. o.	o. c. o.	51	38	29	0.1	0.3	
S. Farnborough ...	o. c. o.	o. c. o.	52	39	31	-	1.4	
London (Kew Obs.)	o. c. o.	o. c. o.	51	42	30	1	0.7	
Croydon ...	o. c. o.	o. c. o.	51	38	29	1	0.7	

## BEAUFORT NOTATION.

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.  
 e wet air without rain falling.  
 f fog.  
 h hail.  
 m mist.  
 o overcast sky.  
 p passing showers.  
 q squalls.  
 r rain.  
 rs sleet, i.e., rain and snow together.  
 s snow.  
 t thunder.  
 u ugly, threatening sky.  
 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.

Capital letters indicate intensity, and repetition of letters continuity, thus -  
 R = heavy rain.  
 rr = continuous moderate rain.  
 r.f. = continuous light rain.

## THE BEAUFORT SCALE OF WIND FORCE.

Used only for surface observations.

No.	Limits of Velocity at about 30 feet above ground.	Scale miles per hour.	Metres per second.
0	Less than 1	Less than 0.8	
1	1-3	0.8-1.5	
2	4-7	1.5-2.3	
3	8-12	2.3-3.4	
4	13-18	3.4-5.0	
5	19-24	5.0-6.7	
6	25-31	6.7-8.5	
7	32-38	8.5-10.7	
8	39-46	10.7-12.8	
9	47-54	12.8-15.0	
10	55-63	15.0-17.5	
11	64-75	17.5-20.8	
12	Above 75	20.8 or above	

## SYMBOLS -

Solar halo ☉  
 Aurora △ Rime ☄ Lunar halo ☾  
 Glazed frost ~ Solar corona ☉  
 Glazed roads ~ Lunar corona ☾  
 Line Squall ☉ Snow lying ☄

## LONDON OBSERVATIONS.

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp.	Min. Temp.	Min. on Grass.	Rain- fall.	Sun- shine to Sunset.	HUMIDITY %	
	Morning.	Afternoon.	Night.	° F.	° F.	° F.	mm.	Hours.	15 h. G.M.T.	9 h. G.M.T.
	24 HOURS ENDED ON G.M.T. ... 27 <sup>th</sup> ...							YESTERDAY.		TO-DAY.
Greenwich (Royal Observatory)	0.0mm	0	0.0mm	50	40	31	1	0.3	79	82
City (Barhill Row) ...	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James's Park)	*	*	*	51	41	33	1	0.2	71	79
Regent's Park (R. & N. G. Obs.)	*	*	*	*	*	*	*	0.1	*	*
Camden Sq. (British Rainfall)	bc or	C	*	51	39	34	1	*	90	86
Kensington Palace ...	op	C.0	*	51	41	33	0.4	*	70 (18h)	88
Hampstead Observatory ...	*	*	*	48	38	30	1	0.1	*	94

## SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	YESTERDAY.		TO-DAY.	
	15 h. G.M.T.	9 h. G.M.T.	15 h. G.M.T.	9 h. G.M.T.
Total	158	Joules.		
Average Rate	5.0	Milliwatts.		
Maximum Rate	14			

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

Stations.	27 <sup>th</sup> JANUARY 1921.		
	Sunrise.	Noon.	Sunset.
Yarmouth...	7.46	12.6	4.26
Greenwich	7.47	12.6	4.27
Wick	8.32	12.5	4.17
Valencia	8.31	12.54	5.18

## Photographic Record of

## Pole Star (Polaris) and of 3 Ursae

## Minors at Greenwich Observatory.

Exposure from 26<sup>th</sup> 17.45 m. to 27<sup>th</sup> 6.45 m.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	13.0	5.40	44
3 Ursae Minors.	13.0	5.6	39

## NOTES ON THE WEATHER OF YESTERDAY.

Temperature rose to 50° or rather higher in many parts of England & Ireland and to nearly 50° in Scotland. Little bright sunshine was recorded except at Aberdeen, 6.3 hrs, and at a few South-Western Stations.

Rain fell in most localities, the largest amount being 9 mm at Birr Castle.

\* Information for these columns not usually received.

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





## AIR MINISTRY.

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

BRITISH SECTION.

No. B21617

FRIDAY, 28<sup>th</sup> JANUARY.....1921.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 12H.																												
STATIONS.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND. Dirac. Force 0-12.	Weather	TEMP. °F.	Humidity. %	Visibility. 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud Form.	Amt. 0-10.	Sea 0-9.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND. Dirac. Force 0-12.	Weather	TEMP. °F.	Humidity. %	Visibility. 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud Form.	Amt. 0-10.	Sea 0-9.		
12H. G.M.T. of 27 <sup>th</sup>														12H. G.M.T. of 27 <sup>th</sup>														
Renfrew ...	1020.5	+1	NE	2	03f	42	85	3	2000	Sc	10	-	-	1018.8	-2	SE	1	03f	41	97	2	1250	Sc	10	-	-	-	
Esksdalemuir ...	1021.0	+1	S	1	03f	40	85	6	2000	Sc	10	-	-	1020.1	-1	S	3	03f	41	97	5	2000	Sc	10	-	-	-	
Valencia (Cahire's)	1023.1	+1	WSW	4	03f	54	92	5	4500	Sc	10	-	-	1024.0	+1	WSW	4	03f	52	97	6	750	Sc	10	-	-	4	
Baldonnel ...	1020.5	+2	-	0	00	48	97	3	4500	Nb	10	-	-	1020.3	0	SSW	2	0D	52	92	3	4500	Nb	10	-	-	-	
Manchester (Alex. Rk.)	1021.4	+2	SE	2	03f	46	92	3	2000	Sc	10	-	-	1022.4	0	SSW	3	03f	44	85	4	2000	Sc	7	-	-	-	
Ross on Wye ...	1022.2	+2	SSW	2	0	50	66	8	3000	Sc	10	-	-	1023.2	+2	SW	1	0	47	95	7	2000	Sc	10	-	-	-	
Falmouth ...	1023.1	+1	WNW	4	00	64	92	4	-	Nb	10	-	-	1024.3	+3	WNW	3	03fe	51	97	3	-	Nb	9	-	-	-	
Calshot (Hants) ...	1022.6	+1	-	0	bc	51	75	6	5700	Sc	5	-	-	1025.3	+3	-	0	C	42	85	6	4200	Sc	2	ASr	5	0	
Lymington (Folkestone)	1022.2	+4	N	3	03f	45	75	7	1250	Sc	10	-	-	1024.4	+4	-	0	b	40	85	8	3000	Sc	1	ASr	3	-	
Aberdeen ...	1020.4	0	WSW	1	03f	40	65	3	3000	Sc	10	-	-	1018.5	-4	SSW	2	03f	41	75	4	2000	Sc	10	-	-	-	
Howden ...	1022.2	+4	-	0	03f	44	78	7	4200	Sc	10	-	-	1023.0	+3	S	2	C	40	92	6	4200	Sc	4	ASr	4	-	
Cranwell (Lincs) ...	1023.1	+2	-	0	03f	44	85	6	3000	Sc	10	-	-	1024.5	+2	-	0	03f	38	97	7	5700	Sc	6	ASr	2	-	
Felixstowe ...	1022.5	+3	NNE	2	bcz	45	65	7	2000	Cu	5	ASr	1	1025.5	+4	-	0	bif	39	92	7	-	-	ASr	2	-	-	
Shoeburyness ...	1022.6	+3	N	1	bc	46	65	7	3000	Cu	2	ASr	3	1025.1	+3	-	0	b	39	85	7	4200	Sc	2	-	-	-	
Benson ...	1021.6	+2	-	0	C	48	75	6	-	Cu	7	-	-	1024.4	+2	NE	1	b	42	92	5	-	-	Cu	3	-	-	
S. Farnborough ...	1022.3	+2	SE	1	C	50	75	6	3000	Cu	4	ASr	2	1025.1	+3	-	0	bcu	39	97	3	2000	Sc	4	-	-	-	
London (Kew Obs.)	1022.5	+1	N	1	03f	47	75	3	4500	Sc	6	ASr	4	1025.2	+4	-	0	03fw	43	95	2	2000	Sc	9	-	-	-	
Croydon ...	1023.3	+2	WNW	1	03f	46	85	3	4200	Sc	10	-	-	1025.5	+3	S	1	03f	41	92	3	4200	Sc	3	ASr	6	-	-
1H. G.M.T. of 28 <sup>th</sup>														7H. G.M.T. of 28 <sup>th</sup>														
Renfrew ...	1014.4	-3	WSW	6	03f	51	92	6	2000	Sc	10	-	-	1012.8	-1	SW	7	0	52	85	7	2000	Sc	8	ASr	1	-	-
Esksdalemuir ...	1013.9	-2	SSW	4	00	42	97	3	1250	Nb	10	-	-	1014.1	-1	SW	4	0	49	85	6	-	Sc	10	-	-	-	
Valencia (Cahire's)	1024.9	0	SW	1	0	52	*	*	*	*	*	*	*	1021.3	-2	S	3	0	53	85	6	2000	Sc	10	-	-	-	
Baldonnel ...	1021.0	0	SW	3	00	52	92	4	4500	Nb	10	-	-	1018.7	-3	SW	4	03f	51	92	4	1250	Sc	10	-	-	-	
Manchester (Alex. Rk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	1020.3	-1	-	0	03f	49	92	3	1250	Nb	10	-	-	-	
Ross on Wye ...	*	*	*	*	*	*	*	*	*	*	*	*	*	1022.0	-1	W	4	0	50	85	8	3000	Cu	2	ASr	7	-	
Falmouth ...	1026.7	+1	WSW	2	03fe	51	97	3	-	Sc	10	-	-	1026.2	0	W	2	00	50	92	4	-	Nb	10	-	-	-	
Calshot (Hants) ...	1026.5	+2	SE	1	03f	47	92	5	1250	Sc	10	-	-	1024.6	-2	SW	3	03f	49	97	6	4500	Sc	10	-	-	2	
Lymington (Folkestone)	1026.7	+1	SE	1	bc	40	92	8	3000	Sc	5	-	-	1023.7	-3	SW	4	03f	44	92	6	750	Sc	10	-	-	-	
Aberdeen ...	*	*	*	*	*	*	*	*	*	*	*	*	*	1008.5	-4	WSW	2	bcfe	42	75	6	4200	Sc	4	-	-	2	
Howden ...	1019.7	-4	SSW	4	03f	41	97	6	2000	Sc	10	-	-	1018.0	+2	WNW	3	03f	51	92	7	2000	Sc	10	-	-	-	
Cranwell (Lincs) ...	1022.3	-2	SW	3	03f	44	97	5	750	Nb	10	-	-	1019.7	-1	WSW	4	03f	49	97	5	2000	Sc	7	ASr	3	-	
Felixstowe ...	1026.7	0	S	3	03f	42	85	7	7200	Sc	9	-	-	1022.4	0	SSW	3	03f	44	92	5	750	Sc	10	-	-	2	
Shoeburyness ...	*	*	*	*	*	*	*	*	*	*	*	*	*	1023.1	-2	SW	3	00	45	85	6	1250	Nb	10	-	-	-	
Benson ...	*	*	*	*	*	*	*	*	*	*	*	*	*	1022.2	-2	SW	3	0	49	92	5	-	Sc	10	-	-	-	
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	1023.6	-2	WSW	2	00	49	97	5	4500	Nb	10	-	-	-	
London (Kew Obs.)	1025.1	0	*	*	*	*	*	*	*	*	*	*	*	1023.3	-3	SSW	2	00	48	97	4	1250	Sc	10	-	-	-	
Croydon ...	1026.1	-2	S	3	bcf	42	92	6	-	-	ASr	5	-	1024.0	-2	SW	3	03f	47	97	4	750	Nb	10	-	-	-	
STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.																												
STATIONS.	BAROM. at M.S.L. mb.	TEMP. °F.	WIND. Dirac. Force 0-12.	Weather	BAROMETER. at M.S.L. mb.	TEMPERATURE. Temp. °F.	CHANGE in 3 hours.	WIND. Dirac. Force 0-12.	Dirac. of Upper Cloud.	WEATHER.	Sea 0-9.	Rainfall mm.	TEMP.				WEATHER.				Sunshine Hours.							
													Max. °F.	Min. °F.	Morning.	Afternoon.	Night.											
												12H. G.M.T. of 27 <sup>th</sup>												7H. G.M.T. of 28 <sup>th</sup>				
Lerwick ...	1016.5	36	SSW	3	C	1001.5	-6	45	HZ	S	4	-	0.0	32	C	C	omr and	0.0										
Stornoway ...	1016.2	44	WNW	1	00	1004.2	-2	51	HZ	SW	5	-	0.0	37	C	C	omr and	0.0										
Castlebay (Barra Is)	1012.9	43	W	4	r	1008.3	-2	50	HZ	SW	5	-	0.0	43	C	C	omr and	0.0										
Malin Head ...	1014.7	47	SW	2	03f	1009	-1	50	HZ	SW	4	SW	3	50	om	om	om	0.0										
Blacksod Point ...	1017.5	49	W	2	0	1013.6	-3	52	HZ	SW	4	-	3	52	om	om	om	0.0										
Roche's Point ...	1023.6	54	W	2	0	1023.4	-1	52	HZ	W	2	-	2	57	om	om	om	0.0										
Birr Castle ...	1020.6	52	SW	1	0	1019.4	*	52	HZ	SW	3	-	2	53	om	om	om	0.0										
Donaghadee ...	1015.5	47	WSW	2	omf	1015.9	-1	52	HZ	WNW	4	-	3	53	om	om	om	0.0										
Liverpool (Bidston)	1021.8	46	SSW	1	0	1019.6	-1	51	HZ	W	1	-	2	52	om	om	om	0.0										
Holyhead ...	1021.0	48	SSW	4	03f	1020.1	0	50	HZ	SW	4	-	3	51	om	om	om	0.0										
Pembroke (St. Ann's Head)	1023.7	50	-	0	00	1024.2	0	50	HZ	W	4	-	3	50	om	om	om	0.0										
Scilly (St. Mary's)	1025.1	61	NW	3	4fe	1022.8	-1	51	0	W	3	-	4	52	om	om	om	0.0										
Jersey (St. Aubin)	1024.3	51	WNW	3	00	1027.5	0	50	0	SW	3	-	4	52	om	om	om	0.0										
Portland Bill ...	1024.1	50	E	3	0	1024.9	-2	50	HZ	WSW	5	-	4	51	om	om	om	0.0										
Dunegness ...	1024.9	42	ENE	2	b	1023.4	-3	47	HZ	SW	4	SW	4	47	om	om	om	0.0										
Wick ...	1013.8	42	SSW	5	00	100																						



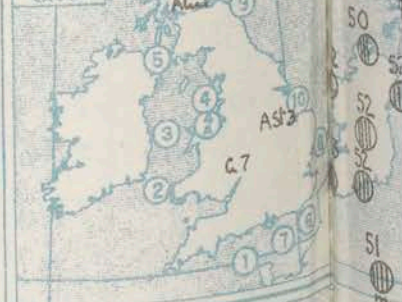
## SUMMARY OF CONDITIONS AT 7 h. G.M.T. 28.1.1921

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Dull, slight drizzle.	Indiff.	Slight
2. E. England	Dull, slight rain.	"	"
3. E. Midlands	Dull, some mist.	"	---
4. W. Midlands	Dull.	Fair	---
5. S.W. England	Dull; local drizzle.	Good	Moderate
6. South Wales	Dull.	"	Slight
7. North Wales	Dull, misty	Fair	Slight
8. N.W. England	Dull, local mist.	Indiff.	Smooth
9. N. Midlands	Dull, local mist.	"	---
10. N.E. England	Dull, misty	Fair.	Slight.
11. E. Scotland	Fair to dull.	"	Smooth
12. S.W. Scotland	Dull.	Good	Slight
13. Isle of Man	Dull.	Fair	Slight
14. N. & N.W. Scotland	Dull.	Indiff.	Moderate
15. Hebrides	Dull, squally, some rain.	"	"
16. Orkneys and Shetlands	Dull, some rain.	"	Slight
17. N.W. Ireland	Fair to cloudy.	Good	Moderate
18. N.E. Ireland	Fair to cloudy.	Fair	Slight
19. S.E. Ireland	Dull.	Fair	Smooth
20. S.W. Ireland	Dull.	Fair	Slight.

Temperature reported from Coastal and Cross Channel Steamers.

Position Number.	Date	Time G.M.T.	Sea °F	Air °F
8.	27th	03.15	46	46
41.	"	04.00	46	50
5.	"	08.17	48	47
3.	"	?	48.6	44

CHART OF POSITION NUMBERS and Upper Cloud



Isallobars.



Barometric change from 4 h. to 7 h. (half millibars).

Lower Cloud.



EXPLANATION.

**BAROMETER.**—Isobars are drawn for intervals of two millibars.

**WIND.**—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.

**TEMPERATURE.**—Is given in degrees 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. sky 11 clouded. sky 12 clouded.

rain falling. rain falling. rain falling. rain falling. rain falling. rain falling. rain falling. rain falling. rain falling. rain falling. rain falling. rain falling.

mist. mist. mist. mist. mist. mist. mist. mist. mist. mist. mist. mist.

thunder. thunder. thunder. thunder. thunder. thunder. thunder. thunder. thunder. thunder. thunder. thunder.

**SEA DISTURBANCE.**— Rough. High.

GENERAL INFERENCE from observations received up to 9h

A depression north of the Faroe will spread South or South East causing freshening Westerly winds and mild weather generally with much cloud, and rain or drizzle at times.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T.
1. S.E. England	Fresh Westerly winds; much cloud, rain or drizzle at times; visibility indifferent to fair; mild.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	
7. North Wales	Fresh to strong Westerly winds; much cloud, rain or drizzle at times; visibility mainly fair; mild.
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	Same as 1-6.
20. S.W. Ireland	

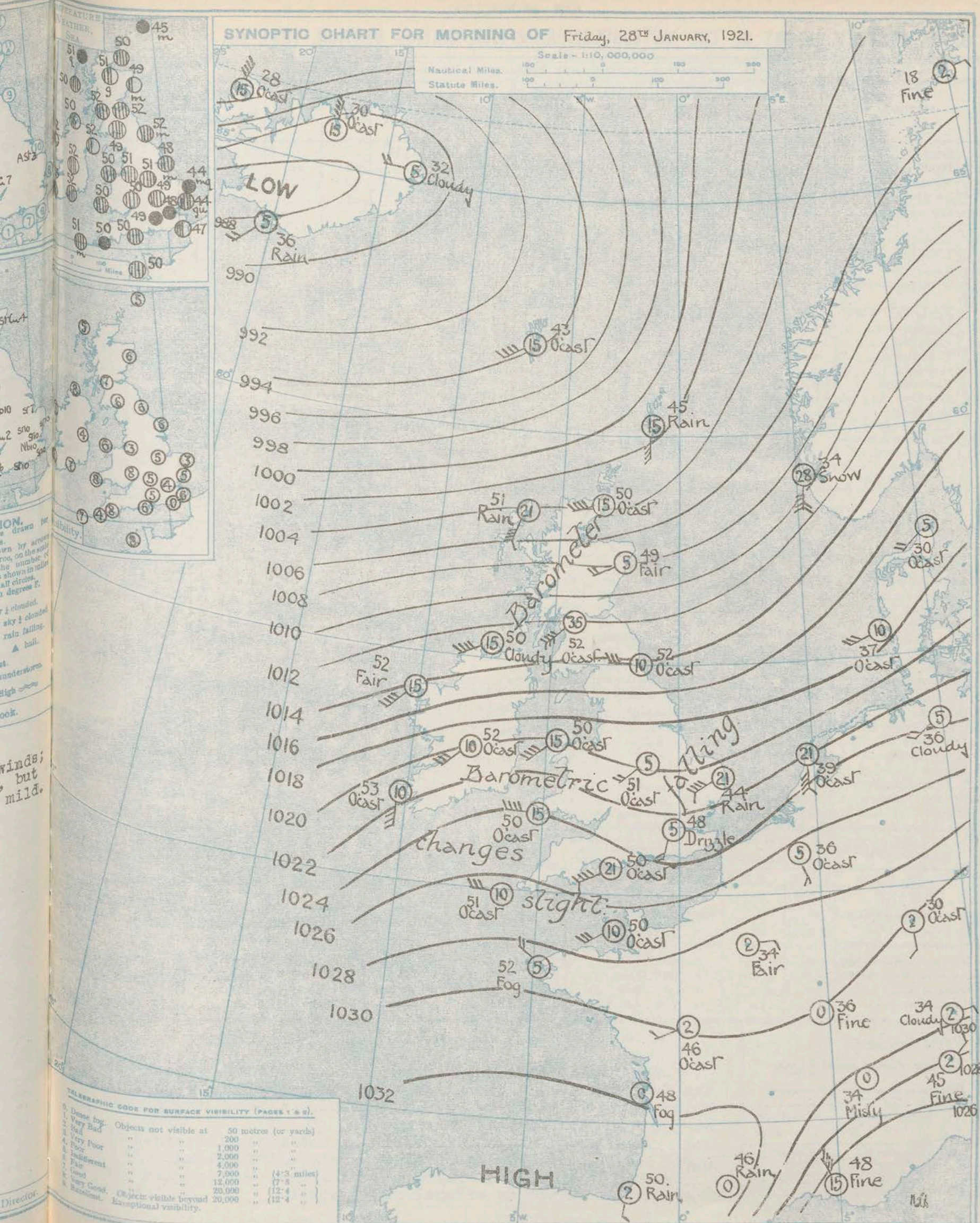
Further Outlook.

Westerly winds; little rain, but much cloud; mild.



# SYNOPTIC CHART FOR MORNING OF Friday, 28<sup>th</sup> JANUARY, 1921.

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



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

Objects not visible at	50 metres (or yards)
0. Dense fog.	200 "
1. Very Bad	1,000 "
2. Bad	2,000 "
3. Very Poor	4,000 "
4. Poor	7,000 "
5. Satisfactory	12,000 "
6. Fair	20,000 "
7. Good	20,000 "
8. Very Good.	20,000 "
9. Exceptional.	20,000 "

Objects visible beyond 20,000 (12-4 " )  
Exceptional visibility.



## WEATHER, TEMPERATURE RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 27

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 12h-1h.	Day. 1h-12h.	Sunrise to Sunset.	Forenoon.		Afternoon.	Max. F.	Min. F.	Night. 12h-1h.	Day. 1h-12h.	Sunrise to Sunset.		
					26-27	27	27							26-27	27	27	
Scotland.	Oban ... ..	cc	ccod	46	35	1	1	0.0	England, N.W.	Douglas (I.O.M.)							1.1
	Banff ... ..	cc	o	42	38	0.1	-	0.3		Blackpool ... ..	ab	cc	49	43	6	-	0.4
	Montrose ... ..									Southport ... ..	cco	cco	47	43	1	-	0.1
	St. Andrews ...									Morecambe			47	41	3	0.3	
England, N.E.	Harrogate ... ..	cc	bcco	44	39	0.1	-	0.3	Midlands.	Buxton ... ..							0.0
	Scarborough ...									Leamington Spa...	o	cb	47	39	-	-	0.3
	Skegness ... ..	amb	bo	46	39	2	-	3.3		Malvern ... ..	c	c	51	43	-	-	1.0
England, E.	Lowestoft ... ..									Bath ... ..	cbcb	bcco	52	46	2	-	3.3
	Felixstowe ... ..	bem	bc	47	42	0.3	-	4.0	Wales.	Rhyl ... ..	cbc	bcc	53	44	1	-	1.6
	Southend-on-Sea...	cc	bc	48	42	0.1	-	1.4		Colwyn Bay ... ..	*	*	52	44	-	-	0.9
										Llandudno ... ..	*	*	52	45	0.2	-	0.0
										Aberystwyth ...	ro	c	50	45	1	-	0.0
										Tenby ... ..							
										Swansea ... ..							0.1
England, S.E.	Tunbridge Wells	o	ocmb	47	39	0.3	-	0.0	England, S.W.	Weymouth ... ..	o	o	52	47	3	-	0.0
	Margate ... ..	o	cb.bc	46	41	1	-	1.5		Teignmouth ...							0.0
	Ramsgate ... ..	*	*	46	41	1	-	1.6		Torquay ... ..	odm	od	51	48	2	1	0.0
	Folkestone ... ..	o	b	47	42	-	-	1.9		Paignton ... ..	omo	omp	51	47	2	trace	0.0
	Hastings ... ..	abc	ccc	49	41	0.4	-	1.6		Penzance ... ..	od	odf	53	49	4	1	0.0
	Eastbourne ...	bcc	cbc	50	43	1	-	3.2		Newquay ... ..	ofd	ofd	51	49	2	1	0.0
	Brighton ... ..	bco	cbcb	49	42	1	-	3.2		Bude ... ..	d	d	52	49	7	2	0.0
	Worthing ... ..	b	b	50	42	-	-	6.1		Ilfracombe ... ..	om	omf	52	47	-	0.4	0.0
	Littlehampton ...	bc	bc	50	44	0.1	-	4.5		Weston-s-Mare ...	c	om	50	46	3	-	0.0
	Portsmouth (S'thsea)			50	44	-	-	0.5									
	Bournemouth ...	*	*	51	46	2	-	2.5									

## SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL.†		Sun. Hours.
	7h-12h.	12h-18h.	18h-7h.	1h-7h.				Day. 7h-18h.	Night. 18h-7h.	
Renfrew ...	o3f.	o3f.	nd2.01f.	og	53	40	40	mm.	mm.	0.0
Eskdalemuir ...	o3f.	pd.02f.	dd.01f.	o	49	35	39	0.4	6	0.0
Valencia (Cahire'n)	o3f.	pd.02f.	pd.0	o	53	51	50	1	1	0.0
Baldonnel ...	o3f.	pd.02f.	o3f.	o3f.	52	42	47	1	1	0.0
Manchester (Alex. Pk.)	o3f.	o3f.	o3f.	o3f.	49	43	40	0.4	3	0.0
Ross on Wye...	o3f.	o3f.	o3f.	o3f.	50	44	43	-	0.1	0.0
Falmouth ...	o3f.	o3f.	o3f.	o3f.	55	49	45	1	0.2	0.6
Calshot (Hants)...	o3f.	o3f.	o3f.	o3f.	52	45	40	-	-	2.1
Lymington (Folkestone)	o3f.	o3f.	o3f.	o3f.	45	35	27	0.1	0.1	2.0
Aberdeen ...	o3f.	o3f.	o3f.	o3f.	49	35	37	-	5	0.6
Howden ...	o3f.	o3f.	o3f.	o3f.	52	36	35	-	-	0.1
Cranwell (Lincs) ...	o3f.	o3f.	o3f.	o3f.	49	34	31	trace	1	0.7
Felixstowe ...	o3f.	o3f.	o3f.	o3f.	46	37	36	-	1	4.1
Shoeburyness ...	o3f.	o3f.	o3f.	o3f.	49	34	25	0.1	0.2	2.6
Benson ...	o3f.	o3f.	o3f.	o3f.	50	38	31	-	0.2	*
S. Farnborough ...	o3f.	o3f.	o3f.	o3f.	50	38	29	-	-	3.9
London (Kew Obs.)	o3f.	o3f.	o3f.	o3f.	48	40	28	-	0.2	0.0
Croydon ...	o3f.	o3f.	o3f.	o3f.	47	38	33	-	0.1	*

## BEAUFORT NOTATION.

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.  
 e wet air without rain falling.  
 f fog.  
 g gloom.  
 h hail.  
 i lightning.  
 m mist.  
 o overcast sky.  
 p passing showers.  
 q squalls.  
 r rain.  
 s sleet, i.e., rain and snow together.  
 t thunder.  
 u ugly, threatening sky.  
 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.

Capital letters indicate intensity, and repetition of letters continuity, thus:  
 R = heavy rain.  
 rr = continuous moderate rain.  
 r.r. = continuous light rain.

## THE BEAUFORT SCALE OF WIND FORCE.

Used only for surface observations.

Limits of Velocity at about 30 feet above ground.

No. Statute miles per hour. Metres per second.

0 Less than 1 Less than 0.5

1 1-3 0.5-1.5

2 4-7 1.5-4.5

3 8-12 4.5-7.5

4 13-18 7.5-10.5

5 19-24 10.5-13.5

6 25-31 13.5-17.5

7 32-38 17.5-20.5

8 39-46 20.5-24.5

9 47-54 24.5-28.5

10 55-63 28.5-32.5

11 64-75 32.5-38.5

12 Above 75 38.5 or above

SYMBOLS— Solar halo ☉

Aurora ☀

Glazed frost ☁

Glazed roads ☁

Line Squall ☁

Snow lying ☁

## LONDON OBSERVATIONS.

STATIONS.	WEATHER.				Max. Temp. F.	Min. Temp. F.	Min. on Grass F.	Rain-fall. mm.	Sun-shine to Sunset. Hours.	HUMIDITY %						
	Morning.	Afternoon.	Night.	Night.						15 h. G.M.T.	9 h. G.M.T.					
	24 HOURS ENDED 9H G.M.T. 25 <sup>th</sup> .....								YESTERDAY.	TO-DAY.						
Greenwich (Royal Observatory)	o	o	ob3f.	nd	50	37	30	1	0.0	80	94					
City (Bunhill Row) ... ..	*	*	*	*	*	*	*	*	0.0	*	*					
Westminster (St. James's Park)	*	*	mord.	*	51	43	36	1	0.0	78	90					
Regents Pk. (Meteorological)	*	*	*	*	*	*	*	*	0.0	*	*					
Camden Sq. (British Rainfall)	co	oc	*	*	50	42	34	1	*	73	96					
Kensington Palace ... ..	o3f.	om	*	*	50	43	35	2	*	80 (18h)	96					
Hampstead Observatory ...	*	*	*	*	48	39	34	2	0.0	*	98					

## SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 143 Joules.

Average Rate 4.6

Maximum Rate 12

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

28 JANUARY 1921.

Stations. Sunrise. Noon. Sunset.

G.M.T. G.M.T. G.M.T.

Yarmouth... 7.44 12.6 4.25

Greenwich 7.47 12.13 4.41

Wick 7.30 12.25 4.19

Valencia 7.30 12.24 4.20

## Photographic Record of

Pole Star (Polaris) and of 3 Ursae

Minoris at Greenwich Observatory.

Exposure from 27<sup>th</sup> 17.45 m.

to 28<sup>th</sup> 6.45 m.

Stars.	Duration of Exposure.	Duration of Record.
Polaris	13. 0	5. 0
3 Ursae	13. 0	3. 15
Minoris		

## NOTES ON THE WEATHER OF YESTERDAY.

The temperature reached 50° in most places, except along the East Coast, but there was a slight ground frost early on Friday morning in parts of S.E. England. A thick fog formed at South Farnborough at this time.

Some good records of bright sunshine were obtained in parts of England; six hours at Yarmouth and Worthing.

No large falls of rain were recorded, but in many places the total amounted to several millimetres.

\* Information for these columns not usually received.

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





## AIR MINISTRY.

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

BRITISH SECTION.

No. B. 1618

SATURDAY, 29<sup>th</sup> JANUARY, 1921.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 12H.																																			
STATIONS.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND. Direc. Force 0-12.	Weather.	TEMP. °F.	Humidity. %	Visibility. 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-9.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND. Direc. Force 0-12.	Weather.	TEMP. °F.	Humidity. %	Visibility. 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-9.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND. Direc. Force 0-12.	Weather.	TEMP. °F.	Humidity. %	Visibility. 0-9.	Height of Low Cloud. Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-9.		
12H. G.M.T. OF 28 <sup>th</sup>																																			
Renfrew ...	1009.9	-3	SW 6	od	52	85	6	1250	St	10	-	1008.5	-1	SW 5	of 2f	51	97	4	750	Nb	10	-	-	1008.5	-1	SW 5	of 2f	51	97	4	750	Nb	10	-	-
Eskdalemuir ...	1010.2	-4	SW 8	o	50	83	6	2000	St	10	-	1009.4	-1	WSW 7	of 2f	50	92	5	2000	St	10	-	-	1009.4	-1	WSW 7	of 2f	50	92	5	2000	St	10	-	-
Valencia (Cahire'n)	1010.3	-2	SSW 6	of	54	85	7	1250	St	10	-	1018.6	-1	S 5	c	53	85	7	1250	St	10	-	-	1018.6	-1	S 5	c	53	85	7	1250	St	10	-	-
Baldonnel ...	1011.9	-2	SW 5	of	53	85	6	1250	St	10	-	1016.7	-1	SSW 5	od	53	85	5	750	St	10	-	-	1016.7	-1	SSW 5	od	53	85	5	750	St	10	-	-
MANCHESTER (Alex. Th.)	1019.3	-2	SW 3	of	52	85	5	2000	St	10	-	1017.7	0	SW 5	of 2f	52	85	5	2000	St	10	-	-	1017.7	0	SW 5	of 2f	52	85	5	2000	St	10	-	-
Ross on Wye ...	1022.6	-1	W 4	o	53	85	8	3000	St	10	-	1022.2	0	W 5	ov	52	85	9	3000	St	10	-	-	1022.2	0	W 5	ov	52	85	9	3000	St	10	-	-
Falmouth ...	1026.6	-1	SW 3	of 2f	51	97	5	-	St	10	-	1025.4	-2	SW 4	of 2f	50	97	2	-	Nb	10	-	-	1025.4	-2	SW 4	of 2f	50	97	2	-	Nb	10	-	-
Calshot (Hants) ...	1024.8	0	SW 4	of	51	92	7	1250	St	10	-	1025.2	+1	SW 4	o	50	97	8	2000	St	10	-	-	1025.2	+1	SW 4	o	50	97	8	2000	St	10	-	-
Lympe (Folkestone)	1024.1	-1	SW 3	of 2f	50	97	5	5500	St	10	-	1022.8	0	WSW 5	of	51	85	6	750	St	10	-	-	1022.8	0	WSW 5	of	51	85	6	750	St	10	-	-
Aberdeen ...	1005.2	-5	S 3	of 2f	50	85	4	4200	St	10	-	1003.4	-2	SSW 2	b 2f	52	75	4	4200	St	10	-	-	1003.4	-2	SSW 2	b 2f	52	75	4	4200	St	10	-	-
Howden ...	1016.9	-3	WSW 5	omg	54	75	5	2000	St	10	-	1016.3	-1	W 5	od	53	85	5	1250	Nb	10	-	-	1016.3	-1	W 5	od	53	85	5	1250	Nb	10	-	-
Cranwell (Lines)	1019.4	0	WSW 5	c	52	85	7	3000	St	10	-	1018.6	0	WSW 4	bc	51	92	6	3000	St	10	-	-	1018.6	0	WSW 4	bc	51	92	6	3000	St	10	-	-
Felixstowe ...	1021.6	-2	SW 3	of 2f	44	92	5	1250	St	10	-	1021.2	+1	WSW 4	bc 2f	52	85	6	-	-	3	-	-	1021.2	+1	WSW 4	bc 2f	52	85	6	-	-	3	-	-
Shoeburyness ...	1022.1	-2	WSW 2	c 2f	52	85	6	3000	St	10	-	1021.9	0	W 3	b 2f	52	85	6	2000	St	10	-	-	1021.9	0	W 3	b 2f	52	85	6	2000	St	10	-	-
Benson ...	1022.4	0	W 3	o	51	85	6	-	St	10	-	1022.5	0	W 3	o	52	85	5	-	St	10	-	-	1022.5	0	W 3	o	52	85	5	-	St	10	-	-
S. Farnborough ...	1023.7	-1	WSW 3	o	52	85	8	1250	St	10	-	1022.6	+1	W 4	o	52	85	7	2000	St	10	-	-	1022.6	+1	W 4	o	52	85	7	2000	St	10	-	-
London (Kew Obs.)	1023.0	-2	W 4	o	53	85	6	3000	St	10	-	1023.1	0	WSW 3	o	54	75	5	2000	St	10	-	-	1023.1	0	WSW 3	o	54	75	5	2000	St	10	-	-
Croydon ...	1023.4	-1	WSW 4	of	52	85	6	750	St	10	-	1023.6	+1	WSW 4	of	53	85	6	750	St	10	-	-	1023.6	+1	WSW 4	of	53	85	6	750	St	10	-	-
1H. G.M.T. OF 29 <sup>th</sup>																																			
Renfrew ...	1008.6	0	SW 6	od	50	92	6	1250	St	10	-	1007.3	-1	SW 6	of	50	92	6	2000	St	10	-	-	1007.3	-1	SW 6	of	50	92	6	2000	St	10	-	-
Eskdalemuir ...	1009.5	+2	WSW 8	of	48	85	6	2000	St	10	-	1008.0	0	SW 7	o	48	85	6	2000	St	10	-	-	1008.0	0	SW 7	o	48	85	6	2000	St	10	-	-
Valencia (Cahire'n)	1015.1	-3	SW 4	o	52	*	*	*	*	*	*	1010.6	-5	SSW 5	o	51	85	8	2000	St	10	-	-	1010.6	-5	SSW 5	o	51	85	8	2000	St	10	-	-
Baldonnel ...	1015.7	-1	SSW 5	of	52	85	6	1250	St	10	-	1012.1	-4	SSW 5	of 2f	50	85	5	1250	St	10	-	-	1012.1	-4	SSW 5	of 2f	50	85	5	1250	St	10	-	-
MANCHESTER (Alex. Th.)	*	*	*	*	*	*	*	*	*	*	*	1015.6	-1	SSW 3	of 2f	51	85	4	2000	St	10	-	-	1015.6	-1	SSW 3	of 2f	51	85	4	2000	St	10	-	-
Ross on Wye ...	*	*	*	*	*	*	*	*	*	*	*	1018.3	-3	WSW 3	o	50	92	7	2000	St	10	-	-	1018.3	-3	WSW 3	o	50	92	7	2000	St	10	-	-
Falmouth ...	1024.4	-1	SW 3	o	50	97	6	-	St	10	-	1022.0	-6	SSW 5	o	51	97	6	-	St	10	-	-	1022.0	-6	SSW 5	o	51	97	6	-	St	10	-	-
Calshot (Hants) ...	1024.3	-2	SW 3	of 2f	50	97	3	4500	St	10	-	1022.4	-2	SSW 3	of 2f	49	97	6	1250	St	10	-	-	1022.4	-2	SSW 3	of 2f	49	97	6	1250	St	10	-	-
Lympe (Folkestone)	1023.2	0	SW 3	of 2f	48	97	5	750	St	10	-	1022.2	-1	SW 4	of 2f	48	97	3	4500	St	10	-	-	1022.2	-1	SW 4	of 2f	48	97	3	4500	St	10	-	-
Aberdeen ...	*	*	*	*	*	*	*	*	*	*	*	1006.2	0	W 1	of	43	72	4	-	Nb	10	-	-	1006.2	0	W 1	of	43	72	4	-	Nb	10	-	-
Howden ...	1016.3	0	SW 5	of	51	85	6	2000	St	10	-	1015.1	-1	WSW 5	of	51	85	6	2000	St	10	-	-	1015.1	-1	WSW 5	of	51	85	6	2000	St	10	-	-
Cranwell (Lines)	1018.6	0	WSW 4	c	51	92	5	3000	St	10	-	1018.0	-1	SW 3	of	50	92	6	2000	St	10	-	-	1018.0	-1	SW 3	of	50	92	6	2000	St	10	-	-
Felixstowe ...	1021.5	0	WSW 3	b 2f	49	92	6	-	-	-	-	1020.9	0	SW 3	of	47	97	6	2500	St	10	-	-	1020.9	0	SW 3	of	47	97	6	2500	St	10	-	-
Shoeburyness ...	*	*	*	*	*	*	*	*	*	*	*	1021.4	-1	W 2	o	50	85	7	1250	St	10	-	-	1021.4	-1	W 2	o	50	85	7	1250	St	10	-	-
Benson ...	*	*	*	*	*	*	*	*	*	*	*	1019.7	-2	SW 3	o	50	92	6	-	St	10	-	-	1019.7	-2	SW 3	o	50	92	6	-	St	10	-	-
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	1021.4	-2	SW 3	of 2f	50	97	5	750	St	10	-	-	1021.4	-2	SW 3	of 2f	50	97	5	750	St	10	-	-
London (Kew Obs.)	1023.2	0	*	*	50	*	*	*	*	*	*	1021.3	-2	SSW 4	of 2f	51	92	5	750	Nb	10	-	-	1021.3	-2	SSW 4	of 2f	51	92	5	750	Nb	10	-	-
Croydon ...	1023.6	0	WSW 3	of	49	92	6	-	-	-	-	1021.8	-2	SW 4	of 2f	50	92	6	750	Nb	10	-	-	1021.8	-2	SW 4	of 2f	50	92	6	750	Nb	10	-	-
STATIONS CONTRIBUTING REPORTS AT 7H. AND 12H.																																			
STATIONS.	BAROM. at M.S.L. mb.	TEMP. °F.	WIND. Direc. Force 0-12.	Weather.	BAROMETER. at M.S.L. mb.	TEMPERATURE. Temp. °F.	Change in 3 hours.	WIND. Direc. Force 0-12.	Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP. Max. °F.	TEMP. Min. °F.	Morning.	Afternoon.	Night.	Sunshine Hours																	
12H. G.M.T. OF 28 <sup>th</sup>																			24 HOURS ENDED 7H. 29 <sup>th</sup>																
Lerwick ...	993.9	48	SW 4	d	1000.0	43	-6	0	-	bc	1	4	49	38	omg	ond	cgfcm	0.0																	
Stornoway ...	1001.6	46	WSW 5	c	1002.1	0	43	3	-	of 2f	2	6	51	42	of	oc	cgfcm	0.0																	
Castlebay (Barra)	1005.7	48	WSW 5	r	1002.5	-4	44	4	-	r	4	3	51	42	of	r	cgfcm	0.0																	
Main Head ...	1007.7	51	SW 5	omg	1005.2	-1	49	4	-	omg	4	2	52	48	mp	m	omg	0.0																	

\* Information for these columns not usually received.

\* The barometric change is expressed in half millibars.

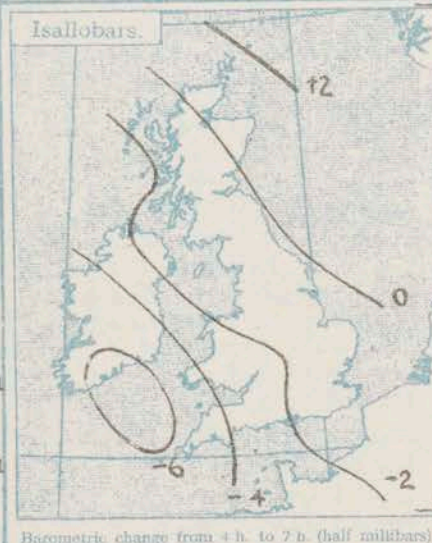
§ For code see page 2

† See footnote p. 4.



Temperature reported from Coastal and Cross Channel Steamers.

CHART OF  
POSITION  
NUMBERS  
and  
Upper  
Cloud



Atlantic depressions will cause South-westerly winds and mild cloudy weather with occasional rain generally.

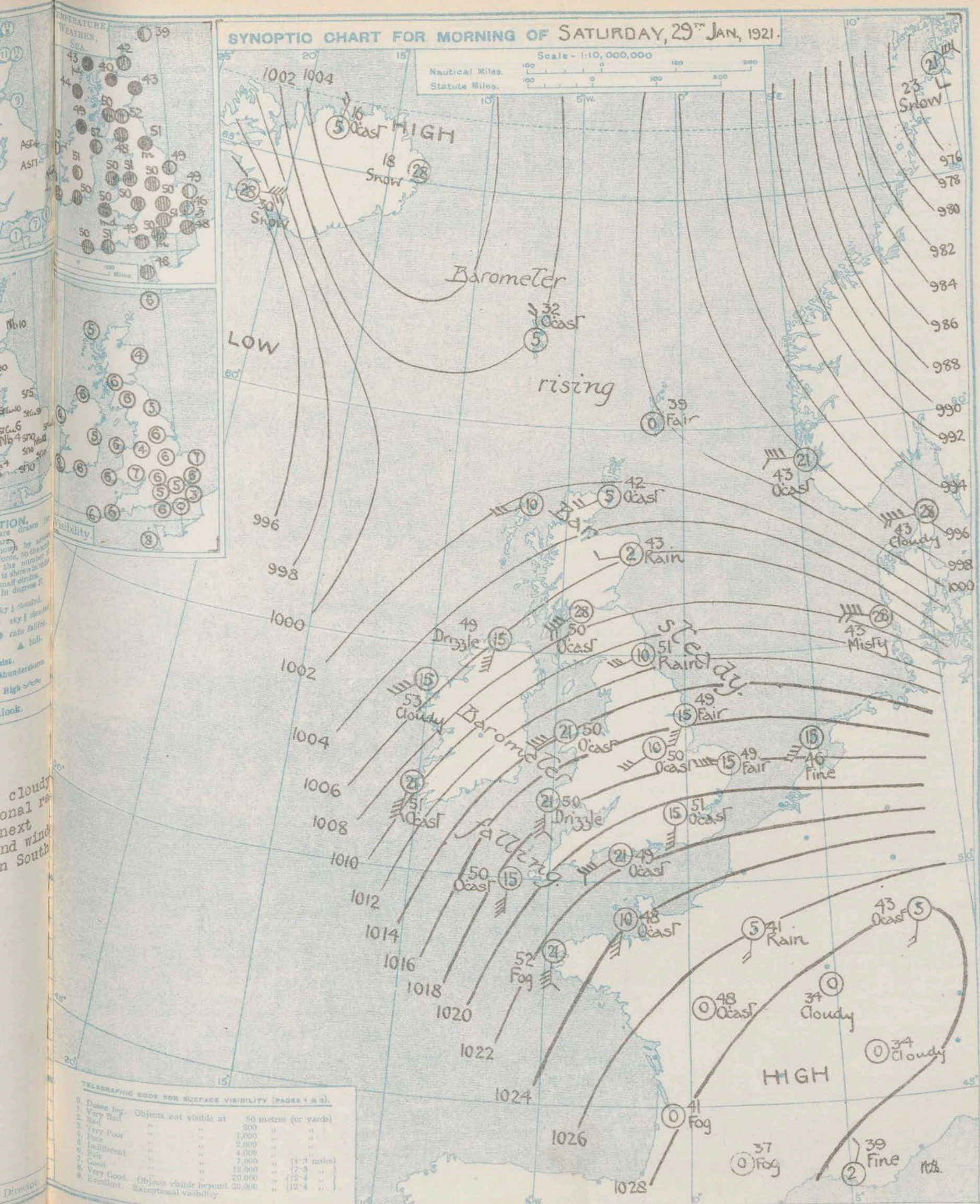
### Further Outlook

Mild and cloudy  
with occasional rain  
during the next  
few days, and wind  
from between South  
and West.



# SYNOPTIC CHART FOR MORNING OF SATURDAY, 29<sup>TH</sup> JAN, 1921.

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



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

Code	Objects not visible at	50 metres (or yards)
0	Very Bad	200
1	Bad	1,000
2	Very Poor	2,000
3	Poor	4,000
4	Indifferent	7,000
5	Good	12,000
6	Very Good	20,000
7	Excellent	Exceptional visibility



## AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1921. No. 29...

SATURDAY  
29<sup>th</sup> JANUARYWEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 28<sup>th</sup>

STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 18h-9h. 27-28	Day. 9h-18h. 28	Sunrise to Sunset. 29			Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-9h. 27-28	Day. 9h-16h. 28	Sunrise to Sunset. 29
Scotland.	Oban ... ..	c.cod	o.drd	51	42	5	9	0.0	England, N.W.	Douglas (I.O.M.)							2.4
	Banff ... ..	o	o.c.bc	56	38	1	-	0.4		Blackpool ... ..	o.b.c	c.q	51	45	5	-	2.5
	Montrose ... ..									Southport ... ..	o.o.c	b.c.c	52	45	5	-	
	St. Andrews ... ..	o	c	54	40	2	-	0.0		MORECAMBE	+	+					
England, E. N.E.	Harrogate ... ..	o.c	b.c.c.o	52	39	2	-	0.1	Midlands.	Buxton ... ..							1.8
	Scarborough ... ..	o	o	54	41	2	-	0.0		Leamington Spa... ..	o	b.c	55	37	1	-	0.6
	Skegness ... ..	m.o	c.b.c.b	48	41	1	-	0.6		Malvern ... ..	c	c	54	46	0.3	-	0.0
	Lowestoft ... ..									Bath ... ..	o	o	54	47	-	-	0.0
England, E.	Felixstowe ... ..	o.m.d	c.m	53	39	1	-	0.3	Wales.	Rhyl ... ..	c	b.c	57	47	-	-	2.4
	Southend-on-Sea... ..	o.c.b.c	b.c.c.o	52	37	0.1	-	1.0		Colwyn Bay ... ..	-	-	56	47	-	-	1.0
										Llandudno ... ..	+	+	55	49	0.4	-	2.7
										Aberystwyth ... ..	r.o.c	c.o.o	51	45	2	-	0.0
England, S.E.	Tunbridge Wells ... ..	o	o	52	38	-	-	0.0	England, S.W.	Tenby ... ..							
	Margate ... ..	o	c	53	38	-	-	1.1		Swansea ... ..							
	Ramsgate ... ..	+	+	53	38	-	-	1.1		Weymouth ... ..	o	o	62	47	0.2	-	0.0
	Folkestone ... ..	o.c.o	+	52	34	-	-	0.0		Teignmouth ... ..							0.0
	Hastings ... ..	c.o	o.c	51	42	-	-	0.0		Torquay ... ..	o	o.c	54	47	0.2	-	0.0
	Eastbourne ... ..	o.d.o	o	51	44	0.2	0.1	0.0		Paignton ... ..							
	Brighton ... ..	d.o	o	49	42	1	-	0.0		Penzance ... ..	o.d.o	c	53	50	1	0.2	0.0
	Worthing ... ..	o	o	50	38	-	-	0.0		Newquay ... ..	o.m.b.c	o.f.d.	54	49	1	0.1	0.4
	Littlehampton ... ..	o.c.u	o.c.u	50	42	0.1	-	0.0		Bude ... ..							
	Portsmouth (S. of W.)			52	46	-	-	0.0		Ilfracombe ... ..	o.m	o.m.f	53	47	1.1	-	0.0
	Bournemouth ... ..	+	+	52	46	-	-	0.0		Weston-s-Mare ... ..	c.o	o.c	52	46	1	-	0.0
	Ventnor (I. of W.)	+	+														

## SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		Sun.	
	7h-13h.	13h-18h.	Max. °F.	Min. °F.	Night. 18h-7h.	Day. 7h-18h.	Sun. Hours.	Sun. Hours.
Renfrew ... ..	o.c.p.d.	o.c.p.d.	54	49	48	2	0.0	0.0
Eskdalemuir ... ..	o.c.p.d.	o.c.p.d.	51	47	46	2	0.0	0.0
Valencia (Cahire) ... ..	o.c.p.d.	o.c.p.d.	54	50	48	-	0.0	0.0
Baldonnel ... ..	o.c.p.d.	o.c.p.d.	54	49	47	0.1	0.0	0.0
MANCHESTER (Alex. H.)	o.c.p.d.	o.c.p.d.	54	49	45	0.1	0.0	0.0
Ross on Wye ... ..	o.c.p.d.	o.c.p.d.	54	49	45	-	0.0	0.0
Falmouth ... ..	o.c.p.d.	o.c.p.d.	54	49	45	-	0.0	0.0
Calshot (Hants) ... ..	o.c.p.d.	o.c.p.d.	53	49	48	-	0.0	0.0
Lymington (Folkestone)	o.c.p.d.	o.c.p.d.	51	44	46	0.1	0.0	0.0
Aberdeen ... ..	o.c.p.d.	o.c.p.d.	54	43	40	-	0.4	0.0
Howden ... ..	o.c.p.d.	o.c.p.d.	55	51	47	0.1	0.1	0.3
Cranwell (Lines) ... ..	o.c.p.d.	o.c.p.d.	53	48	41	-	0.5	0.5
Felixstowe ... ..	o.c.p.d.	o.c.p.d.	53	43	42	-	0.1	0.2
Shoeburyness ... ..	o.c.p.d.	o.c.p.d.	54	44	41	0.1	0.0	0.9
Benson ... ..	o.c.p.d.	o.c.p.d.	53	48	45	trace	-	0.0
S. Farnborough ... ..	o.c.p.d.	o.c.p.d.	54	49	46	trace	0.1	0.1
London (Kew Obs.) ... ..	o.c.p.d.	o.c.p.d.	54	49	46	trace	0.1	0.1
Croydon ... ..	o.c.p.d.	o.c.p.d.	54	47	43	trace	0.1	0.1

## BEAUFORT NOTATION.

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.  
e wet air without rain falling.  
f fog.  
g gloom.  
h hail.  
i lightning.  
m mist.  
n overcast sky.  
p passing showers.  
q squalls.  
r rain.  
rs sleet, i.e., rain and snow together.  
s snow.  
t thunder.  
u ugly, threatening sky.  
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.

Capital letters indicate intensity, and repetition of letters continuity, thus:  
R = heavy rain.  
rr = continuous moderate rain.  
r.f. = continuous light rain.

## THE BEAUFORT SCALE OF WIND FORCE.

Used only for surface observations.

Limits of Velocity at about 30 feet above ground.

No.

Statute miles per hour.

Metres per second.

Less than 1

0.3-1.5

1-3

4-7

8-12

13-18

19-24

25-31

32-38

39-46

47-54

55-63

64-75

Above 75

33.6 or above

SYMBOLS—

Solar halo ☉

Aurora ✨

Rime ❄️

Lunar halo ☾

Glazed frost ❄️

Solar corona ☀️

Glazed roads 🌫️

Lunar coronas ☾

Line Squall ⚡️

Snow lying ❄️

## LONDON OBSERVATIONS.

STATIONS.	WEATHER.		TEMPERATURE.		Rainfall.		Sun.		Humidity %	
	Morning.	Afternoon.	Night.	Max. °F.	Min. °F.	Min. on Grass °F.	Sun- shine to Sunset. Hours.	Sun- shine to Sunset. Hours.	15 h. G.M.T.	9 h. G.M.T.
Greenwich (Royal Observatory)	o.c.	o.c.	o.c.	54	49	41	0.8	84	90	
City (Banhill Row) ... ..	+	+	+	+	+	+	0.1	+	+	
Westminster (St. James's Park)	+	+	+	+	+	+	0.0	+	+	
Regents Park (Botanic Gons)	+	+	+	+	+	+	0.0	+	+	
Camden Sq. (British Rainfall)	o.c.	o.c.	+	54	49	42	-	83	83	
Kensington Palace ... ..	o.c.	o.c.	+	57	50	45	0.3	75 (18h)	92	
Hampstead Observatory ... ..	+	+	+	52	48	43	trace	0.3	+	96

## SOUTH KENSINGTON

(Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 140 Joules.

Milliwatts.

Average Rate 4.4

Maximum Rate 18

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

29<sup>th</sup> & 30<sup>th</sup> JANUARY 1921.

Stations.	Sunrise.		Noon.		Sunset.	
	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ... ..	7.42	12.6	1.6	4.30	4.30	4.30
Greenwich ... ..	7.44	12.13	1.13	4.21	4.21	4.21
Wick ... ..	7.44	12.13	1.13	4.21	4.21	4.21
Valencia ... ..	8.28	12.25	1.25	5.20	5.20	5.20

## Photographic Record of

Pole Star (Polaris) and of 3 Ursae

Minors at Greenwich Observatory.

Exposure from 22<sup>nd</sup> 17 h. 45 m.  
to 24<sup>th</sup> 6 h. 45 m.

Stars.	Duration of Exposure.		Duration of Record.	
	h.	m.	h.	m.
Polaris	13	0	4	50
3 Ursae Minors	13	0	4	0

## NOTES ON THE WEATHER OF YESTERDAY.

Rain was heaviest in the North, 6mm at Stornoway and 5mm at Eskdalemuir. Apart from two or three hours of bright sunshine in North Wales and North-west England, the weather was almost continuously dull during the day, but an improvement took place in the East of England late in the evening.

The temperature was unusually high for the time of year, reaching 55° in several places, even as far North as Edinburgh.

\* Information for these columns not usually received.

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





## AIR MINISTRY.

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

BRITISH SECTION.

No. 21619

SUNDAY, 30<sup>th</sup> JANUARY 1921.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 19H.																													
STATIONS.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND.		Weather.	TEMP. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea.	BAROM. at M.S.L. mb.	Change in 3 hours.	WIND.		Weather.	TEMP. °F.	Humidity. %	Visibility 0-9.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea.	
			Dirac.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				Dirac.	Force 0-12.						Form.	Amt. 0-10.				
			13H. G.M.T. 29 <sup>th</sup>														19H. G.M.T. OF 29 <sup>th</sup>												7H. G.M.T. OF 30 <sup>th</sup>
Renfrew ...	1004.2	-4	SW	4	o	50	85	7	1000	Nb	10	-	-	*	1000.8	-3	SSW	4	o	50	85	6	2000	St	10	-	-	-	*
Esksdalemuir ...	1006.5	-4	SSW	6	o	48	85	6	1000	St	10	-	-	*	1002.8	-3	SSW	6	o	46	92	6	2000	St	10	-	-	-	*
Valencia (Cabin's)	1005.0	-7	S	5	o	53	85	7	2000	St	10	A	St	3	1002.4	0	WSW	5	o	48	97	6	450	St	4	A	St	6	5
Baldonnel ...	1008.8	-1	SSW	5	o	52	85	5	2000	St	10	-	-	*	1003.9	-2	S	6	o	50	85	8	750	St	3	A	St	4	*
Manchester (A.K.R.)	1012.7	-4	WSW	4	o	52	85	6	1250	Nb	10	-	-	*	1009.4	-4	SW	3	o	50	85	5	1250	Nb	10	-	-	-	*
Ross on Wye ...	1012.0	-5	SW	4	o	52	85	7	2000	St	10	A	St	3	1012.4	-2	SW	4	o	50	85	8	2000	Nb	10	-	-	-	*
Falmouth ...	1016.3	-4	SSW	5	o	51	85	6	1000	St	10	-	-	*	1013.4	-5	SSW	5	o	49	97	6	1000	St	9	-	-	-	*
Calshot (Hants.)	1017.3	-4	SW	5	o	49	85	6	750	St	10	-	-	*	1016.4	-2	SSW	5	o	49	97	5	1250	St	8	-	-	-	*
Lympe (Folkestone)	1020.0	-5	SSW	5	o	47	97	1	550	St	10	-	-	*	1017.3	-2	SSW	5	o	46	97	6	550	St	10	-	-	-	*
Aberdeen ...	1003.3	-6	-	0	o	44	97	5	1000	Nb	8	-	-	*	1000.4	-4	SW	2	o	50	85	5	3000	St	4	A	St	4	2
Howden ...	1012.1	-6	SSW	5	o	54	85	6	1000	St	10	-	-	*	1009.9	-2	SW	5	o	50	85	5	3000	St	10	-	-	-	*
Cranwell (Lincs.)	1013.0	-6	SSW	4	o	54	85	8	2000	St	10	-	-	*	1011.8	-4	SSW	4	o	51	85	6	1000	St	10	-	-	-	*
Felixstowe ...	1017.1	-3	SW	4	o	49	85	5	1250	St	10	-	-	*	1016.8	-2	SSW	4	o	48	92	5	1250	St	10	-	-	-	3
Shoeburyness ...	1017.4	-3	SW	4	o	50	85	5	1000	St	10	A	St	3	1015.4	-3	-	0	o	47	92	5	1250	St	10	-	-	-	*
Benson ...	1017.4	-3	SW	3	o	50	85	6	1000	St	10	-	-	*	1014.4	-4	SW	4	o	50	85	6	1000	St	10	-	-	-	*
S. Farnborough	1018.3	-4	SW	4	o	50	85	6	1250	Nb	10	-	-	*	1015.3	-3	SW	4	o	49	97	6	1250	Nb	10	-	-	-	*
London (Kew Obs.)	1018.4	-5	SW	4	o	52	85	5	1250	Nb	8	A	St	2	1015.4	-3	SSW	4	o	50	92	6	1250	Nb	10	-	-	-	*
Croydon ...	1019.3	-4	SW	4	o	50	85	6	1250	St	10	-	-	*	1016.5	-3	SW	4	o	49	92	5	1250	St	10	-	-	-	*
1H. G.M.T. OF 30 <sup>th</sup>												7H. G.M.T. OF 30 <sup>th</sup>												24 HOURS ENDED 7H. 30 <sup>th</sup>					
Renfrew ...	995.3	-1	WSW	4	o	47	85	7	1250	Nb	10	-	-	*	996.4	+2	SW	3	bc	42	85	7	3000	St	5	-	-	-	*
Esksdalemuir ...	996.7	-6	SSW	7	o	46	97	5	2000	Nb	10	-	-	*	997.1	0	SW	5	o	40	85	6	2000	St	8	A	St	1	*
Valencia (Cabin's)	1003.3	0	SSW	3	bc	47	*	*	*	*	*	*	*	0	998.8	-6	S	3	bc	44	85	8	3000	St	4	A	St	2	*
Baldonnel ...	1001.6	+2	WSW	4	b	45	85	6	-	-	-	A	St	3	1002.0	-1	WSW	4	b	40	92	7	-	-	-	A	St	2	*
Manchester (A.K.R.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1001.6	-3	W	3	o	46	97	4	1250	Nb	10	-	-	-	*
Ross on Wye ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1003.4	-3	WSW	4	o	49	92	7	1250	Nb	10	-	-	-	*
Falmouth ...	1009.7	-4	SSW	6	o	51	92	6	-	St	9	-	-	*	1005.6	-1	W	2	o	47	97	7	-	Nb	10	-	-	-	*
Calshot (Hants.)	1012.1	-5	SSW	5	o	49	92	6	1250	St	10	-	-	*	1008.0	-4	SSW	5	o	49	92	6	750	St	10	-	-	-	4
Lympe (Folkestone)	1013.1	-4	SSW	5	o	46	97	6	750	St	10	-	-	*	1009.7	-4	SSW	5	o	46	92	6	1250	St	10	-	-	-	*
Aberdeen ...	1004.5	-4	SW	4	o	49	85	5	2000	St	10	A	St	2	992.1	+2	SSW	1	b	43	75	8	-	-	-	-	-	2	
Howden ...	1007.5	-4	SW	4	bc	49	85	5	3000	St	10	A	St	2	1000.9	-2	SSW	4	o	47	92	6	2000	St	9	-	-	-	*
Cranwell (Lincs.)	1012.3	-4	S	4	o	47	85	5	1250	St	10	-	-	*	1003.1	-4	S	5	bc	48	92	8	3000	St	5	A	St	1	*
Felixstowe ...	1017.1	-3	SW	4	o	49	85	5	1250	St	10	-	-	*	1009.2	-4	S	5	o	47	92	6	3000	St	10	-	-	-	4
Shoeburyness ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1008.5	-3	SSW	5	c	48	85	7	3000	St	8	-	-	-	*
Benson ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.4	-3	SW	4	o	49	85	7	-	St	10	-	-	-	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.3	-6	SW	5	o	49	92	6	1250	St	10	-	-	-	*
London (M.O. at 1st)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.0	-3	SSW	4	c	50	85	6	750	Nb	4	A	St	3	*
Croydon ...	1002.6	-4	WSW	5	o	46	92	5	1250	St	10	-	-	*	1008.7	-4	SSW	4	o	49	85	6	750	St	10	-	-	-	*
STATIONS CONTRIBUTING REPORTS AT 7H. AND 19H.																													
STATIONS.	BAROM. at M.S.L. mb.	TEMP. °F.	WIND.		Weather.	BAROMETER. at M.S.L. mb.	Change in 2 hours.	TEMPERATURE.		WIND.	Dirac. of Upper Cloud.	Weather.	Sea.	Rainfall 100.	TEMP.		WEATHER.				Sunshine Hours.								
			Dirac.	Force 0-12.				Temp. °F.	Change in 24 hours.						Dirac.	Force 0-12.	Max. °F.	Min. °F.	Morning.	Afternoon.		Night.							
			19H. G.M.T. of 29 <sup>th</sup>												7H. G.M.T. of 30 <sup>th</sup>										24 HOURS ENDED 7H. 30 <sup>th</sup>				
Lerwick ...	1001.0	40	E	5	org	985.4	-3	45	+6	SW	5	bcq	4	12	47	36	c	org	omrg	*									
Stornoway ...	990.9	47	S	6	org	987.0	+3	40	-3	WSW	7	r	6	21	49	39	or	org	acpq	0.0									
Castellbay (Barrals)	994.4	50	S	5	o	992.7	+1	45	+1	WSW	4	w	4	5	51	44	org	opr	roc	0.0									
Main Head ...	994.9	50	S	4	c	995.6	0	43	-6	WSW	2	c	3	2	50	43	o	c	cp	0.0									
Blackod Point ...	994.0	50	SW	5	o	994.0	-3	45	-8	NW	2	bc	3	5	54	39	omr	omd	bc	*									
Roche's Point ...	1005.2	51	S	6	o	1002.6	-2	43	-7	SW	1	b	4	1	52	41	o	o.c.o	ob	*									
Bir Castle ...	1001.3	51	S	3	c	1000.5	*	37	-14	S	1	c	*	3.52	54	37	c	c	corc	2.2									
Donaghadee ...	1003.3	49	SW	3	bcu	999.9	0	39	-13	SW	1	bcu	1	1	53	41	bcu	bcu	cmq	*									
Liverpool (Blaston)	1008.1	50	SSW	3	bc	1001.2	-1	44	-7	W	3	c	3	2	53	44	op. bc	bc	ogr	0.7									
Holyhead ...	1003.5	50	SSW	6	cdg	1001.3	0	46	-4	WSW	4	w	2	5	52	45	acpq	cg	acqro	0.6									
Pembroke (St. Anne's Head)	1010.5	50	SSW	6	o	1004.1	0	47	-3	WSW	2	ov	4	2	50	47	omd. o	o	ogqof	0.2									
Scilly (St. Mary's)	1012.5	51	SSW	4	c	1006.6	-2	47	-3	WSW	2	c	4	2	53	46	om. o	om. o	opc	1.7									
Jersey (St. Aubin)	1019.1	50	SSW	4	o	1010.6	-2	48	0	SSW	4	SW	3	1	50	48	o. b. o	oc	occ	*									
Portland Bill ...	1015.9	50	SSW	5	op	1006.9	-6	50	+1	SSW	6	c	6	1	51	46	omd	omd. op	o	*									
Dungeness ...	1017.3	49	SW	5	c	1009.7	-2	48	0	SW	4	c	5	0.2	49	47	od. c	op. d. c	copc	*									
Wick ...	995.0	44	S	3	omr	986.7	0	43	+1	WSW	3	b	3	2	44	39	omr	omd	obc										



## SUMMARY OF CONDITIONS AT 7 h.G.M.T. 30 1.1921.

Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Dull.	Fair	Mod.
2. E. England	Fair to dull.	"	Slight
3. E. Midlands	Fair to dull.	Good	"
4. W. Midlands	Dull, some slight rain.	Fair	"
5. S.W. England	Dull, some slight rain.	Good	Mod.
6. South Wales	Overcast.	"	"
7. North Wales	Cloudy.	"	Smooth
8. N.W. England	Dull, some rain & mist.	Indiff.	Slight
9. N. Midlands	Cloudy.	Fair	"
10. N.E. England	Fair generally.	Good	Slight
11. E. Scotland	Fine to rainy.	"	Smooth
12. S.W. Scotland	Fair to dull.	"	Mod.
13. Isle of Man	Cloudy.	"	Slight
14. N. & N.W. Scotland	Fine to cloudy.	Fair	Mod.
15. Hebrides	Cloudy, some showers, squally.	"	R. Rough
16. Orkneys and Shetlands	Fair, squally.	Poor	Mod.
17. N.W. Ireland	Cloudy.	Good	Slight
18. N.E. Ireland	Fair, local mist.	Fair	Smooth
19. S.E. Ireland	Fine.	Good	Mod.
20. S.W. Ireland	Fair.	"	Slight.

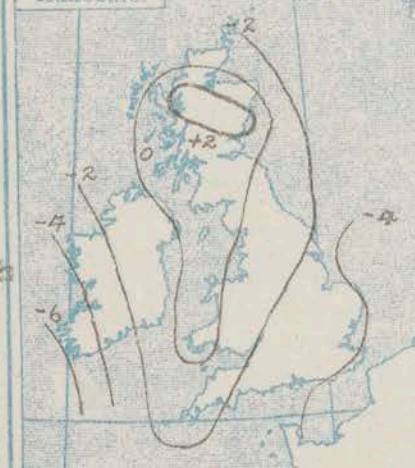
Temperature reported from Coastal and Cross Channel Steamers.

Position Number	Date	Time G.M.T.	Sea °F	Air °F

CHART OF POSITION NUMBERS and Upper Cloud



Isallobars.



Barometric change from 4 h. to 7 h. (half millibars).

Lower Cloud.



**EXPLANATION.**  
**BAROMETER.**—Isobars are drawn at intervals of two millibars.  
**WIND.**—Direction is shown by the arrow lying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.  
**TEMPERATURE.**—Temperature is given in degrees F.  
**WEATHER SYMBOLS.**—  
 ○ clear sky. ○ sky & cloud. ○ sky & cloud. ○ overcast sky. ○ sky & cloud. ○ rain falling. ○ snow. ○ mist. ○ fog. ○ thunder. ○ thunderstorm. ○ sea disturbance. Rough. High.

GENERAL INFERENCE from observations received up to 9h.

There are no indications of any important change in the general state of the weather. Further depressions from the Atlantic will maintain the South-Westerly to Westerly winds and unsettled weather. Temperature will be less high than of late, but high for the time of year.

Further Outlook.

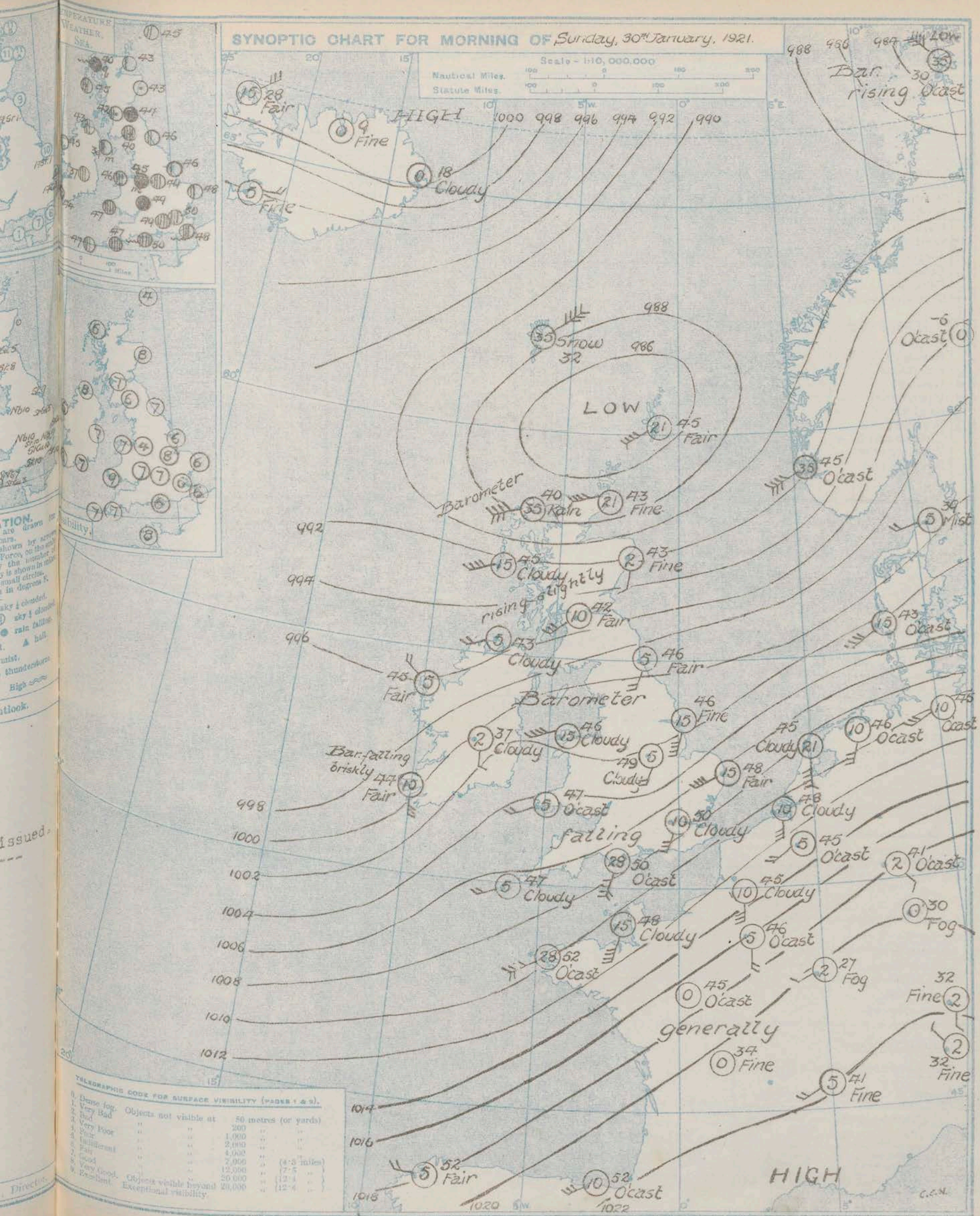
Districts.	Forecasts for the 24 hours commencing 15h.G.M.T. Sunday, 30th January, 1921.
1. S.E. England	Wind mainly S.W., moderate or fresh, stronger at times, cloudy or overcast generally, some rain or showers, fairer intervals; visibility mainly fair; becoming less mild.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	Wind between S.W. and W., light or moderate to fresh, stronger locally; cloudy or overcast generally, some rain in most places, perhaps thunder locally; visibility mainly fair; temperature rather lower than of late.
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Wind veering to Westward, fresh or strong to moderate or light; variable sky, some rain, visibility mainly fair to good; temperature falling.
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	

None issued.



# SYNOPTIC CHART FOR MORNING OF Sunday, 30<sup>th</sup> January, 1921.

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



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

Code	Description	Distance
0	Dense fog. Objects not visible at 50 metres (or yards)	50 metres (or yards)
1	Very Bad	200 "
2	Bad	1,000 "
3	Very Poor	2,000 "
4	Poor	4,000 "
5	Indifferent	7,000 "
6	Fair	12,000 "
7	Good	20,000 "
8	Very Good	20,000 "
9	Excellent	20,000 "



WEATHER, TEMPERATURE RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 29																						
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.					
		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 12h-3h.	Day. 3h-12h.	Sunrise to Sunset.			Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 12h-3h.	Day. 3h-12h.	Sunrise to Sunset.					
						28-29	29	29							28-29	29	29					
Scotland.	Oban ...	c.c.o	c.c.od	51	43	16	0.3	0.0	England, N.W.	Douglas (I.O.M.)							0.4					
	Banff ...	do	o	46	40	0.4	1	0.0		Blackpool ...	o.c.o	c.o	52	48	-	3	1.9					
	Montrose ...									Southport ...	o.c.o	bc.c.bc	53	48	0.6	-						
	St. Andrews ...									Morcambe ...												
England, N.E.	Harrogate ...	c.o	c.o	50	48	1	1	0.1	Midlands.	Buxton ...												
	Scarborough ...	o	o	54	50	1	-	0.0		Leamington Spa...							0.0					
	Skegness ...									Malvern ...	o	o	51	49	-	0.4	0.0					
England, E.	Lowestoft ...								Wales.	Bath ...	o	o	53	51	-	-						
	Felixstowe ...	cm	om	51	46	0.1	-	0.6		Rhyl ...												
	Southend-on-Sea...	o	oe	50	44	-	-	0.0		Colwyn Bay ...			55	50	0.4	-	2.4					
England, S.E.	Tunbridge Wells	o	od	50	46	-	0.3	0.0	England, S.W.	Llandudno ...			52	47	1	-	0.0					
	Margate ...	o	o	51	48	-	-	0.0		Aberystwyth ...	o.c.o	c.c.o	52	47	-	-	0.0					
	Ramsgate ...	*	*	51	46	-	-	0.0		Tenby ...												
	Folkestone ...			51	48	-	-	0.0		Swansea ...							1.0					
	Hastings ...	md.oe	oe	50	46	0.1	Trace	0.0		Weymouth ...	o	od.c.o	51	49	-	0.4	0.0					
	Eastbourne ...	orm	orm	49	47	0.2	0.3	1.0		Teignmouth ...							0.4					
	Brighton ...									Torquay ...	or	o.c.o	52	50	-	0.1	0.1					
	Worthing ...	o	o	50	47	-	-	0.1		Paignton ...	odp	codpo	52	49	-	0.3						
	Littlehampton ...	o.cu	o.cr	41	42	0.1	0.1	0.0		Penzance ...												
	Portsmouth (S. Sea)									Newquay ...												
	Bournemouth ...	*	*	50	49	-	0.3	0.0		Bude ...							0.0					
											Ilfracombe ...	o	po.c	52	50	-	0.4					
									Weston-s-Mare ...													
SUMMARIES FOR PAST 24 HOURS.																						
STATIONS.		WEATHER.				TEMPERATURE.		RAINFALL.		SUN.	STATIONS.		WEATHER.				TEMPERATURE.		RAINFALL.		SUN.	
		7h-12h.	12h-18h.	18h-24h.	1h-7h.	Max. Temp. F.	Min. Temp. F.	Min. on Grass F.	Day. 7h-12h.	Night. 12h-7h.			Hours.	7h-12h.	12h-18h.	18h-24h.	1h-7h.	Max. Temp. F.	Min. Temp. F.	Min. on Grass F.	Day. 7h-12h.	Night. 12h-7h.
Renfrew ...		c.op	oif	oif	oif	51	42	37	Trace	1	0.0	Aberdeen ...		oif	oif	oif	oif	50	42	36	-	0.5
Eskdalemuir ...						48	40	37	0.1	7	0.0	Howden ...						54	45	41	-	0.3
Valencia (Cahire'n)		c.o.c.o	oif	oif	oif	54	42	37	0	-	0.3	Cranwell (Linca)						54	46	44	-	0.5
Baldonnel ...		oif	oif	oif	oif	53	39	35	0.1	2	1.9	Felixstowe ...		oif	oif	oif	oif	54	46	46	-	0.0
Manchester (Alex. Pk.)		oif	oif	oif	oif	55	45	43	Trace	Trace	0.0	Shoeburyness ...		oif	oif	oif	oif	52	47	40	-	0.1
Ross on Wye ...		oif	oif	oif	oif	52	48	45	1	3	0.4	Benson ...		oif	oif	oif	oif	51	48	47	-	0.1
Falmouth ...		oif	oif	oif	oif	52	46	45	1	3	0.4	S. Farnborough ...		oif	oif	oif	oif	52	49	46	Trace	0.1
Calshot (Hants)...		oif	oif	oif	oif	50	48	47	1	0.1	0.0	London (Kew Obsy.)		oif	oif	oif	oif	52	49	46	Trace	0.1
Lymington (Folkestone)		oif	oif	oif	oif	49	45	45	0.1	0.1	0.0	Croydon ...		oif	oif	oif	oif	51	47	45	0.2	0.3
LONDON OBSERVATIONS.																						
		WEATHER.		TEMPERATURE.		RAINFALL.		SUN.		HUMIDITY %		SOUTH KENSINGTON		TABLE SHOWING THE GREENWICH TIME OF								
		Morning.	Afternoon.	Night.	Max. Temp. F.	Min. Temp. F.	Min. on Grass F.	Rain-fall. mm.	Sun-shine to Sunset. Hours.	16h. G.M.T.	18h. G.M.T.	(Meteorological Office).		SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.								
		24 HOURS ENDED 9h G.M.T. 30										Vertical Component of Solar Radiation per Square Centimetre during yesterday		30 <sup>th</sup> & 31 <sup>st</sup> JAN. 1921.								
														Stations.								
														Sunrise.								
														G.M.T.								
														Noon.								
														G.M.T.								
														Sunset.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								
														G.M.T.								



## AIR MINISTRY.

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

BRITISH SECTION.

No. B 2620

Monday, 31st January, 1921.

## OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 18H.

STATIONS.	BAROM.	Change	WIND.		Weather.	TEMP.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.	Upper Cloud.	Sea.	BAROM.	Change	WIND.		Weather.	TEMP.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.	Upper Cloud.	Sea.																							
	at M.S.L.	in 3 hours.	Dir.	Force		°F.				Form.	Form.	0-9.	at M.S.L.	in 3 hours.	Dir.	Force		at M.S.L.				in 3 hours.	Dir.	Force																							
	mb.	0-12.	0-12.	0-12.		0-10.				0-10.	0-10.	0-9.	mb.	0-12.	0-12.	0-12.		mb.				0-12.	0-12.	0-12.	0-9.																						
12H. G.M.T. of 30 <sup>th</sup>																								18H. G.M.T. of 31 <sup>st</sup>																							
Renfrew ...	997.0	0	SW	4	6	46	15	Y	2,000	Sc	3	-	995.0	-3	S	2	02f	41	85	5	-	-	-	As	9.																						
Eskdalemuir ...	997.8	0	SSW	4	0	43	85	Y	3,000	Sc	7	-	996.3	-2	SSW	2	b	37	85	7	4,200	Sc	1	C	1																						
Valencia (Cahire'n) ...	997.8	-7	S	4	0.5	46	92	8	2,000	Sc	10	-	987.6	-2	SSW	4	0	43	85	8	2,000	Sc	6	MC	3																						
Baldonnel ...	996.7	-6	S	4	0	47	70	8	3,000	Sc	3	As	990.4	-7	S	3	02f	43	85	5	2,000	Sc	10	-	-																						
MANCHESTER (ALEX. ...)	1001.4	-2	SW	3	02f	48	75	5	2,000	Sc	3	C	997.6	-4	SSE	3	b 3f	43	85	3	2,000	Sc	1	Ci	2																						
Ross on Wye ...	1001.4	-2	W	3	0	51	75	7	4,200	Sc	2	As	997.8	-5	SSE	2	0	47	85	7	2,000	Nb	3	As	7																						
Falmouth ...	1002.0	-6	SSW	3	0	50	75	8	2,000	Sc	3	As	996.1	-5	SW	5	0Rq	43	85	7	-	Nb	10	-	-																						
Calshot (Hants) ...	1004.6	-4	SSW	5	01f	48	92	1	1,500	Sc	10	-	1000.7	-3	S	5	0f	48	92	7	1,500	Nb	10	-	-																						
Lymington (Folkestone) ...	1004.4	-5	SSW	6	0g	47	92	8	1,500	Sc	10	-	1003.4	-3	SSW	4	0f	47	92	7	2,000	Sc	3	As	4																						
Aberdeen ...	993.4	+1	SW	4	6	47	7	8	4,200	Sc	1	-	994.1	+1	SW	3	b	41	85	8	-	-	-	-	2																						
Howden ...	1000.7	-1	W	2	0	48	75	6	4,200	Sc	4	As	999.4	-2	S	1	bc	39	92	5	3,000	Sc	2	As	3																						
Cranwell (Lincs) ...	1001.4	-1	-	0	0	48	92	Y	4,200	Sc	5	As	999.7	-2	-	0	02f	44	97	4	-	Sc	5	As	5																						
Felixstowe ...	1006.7	3	S	5	0	48	92	Y	3,000	Sc	10	-	1004.2	-2	S	3	01f	46	97	6	2,000	Sc	10	-	-																						
Shoeburyness ...	1005.3	-4	WSW	2	0	50	85	Y	2,000	Sc	5	As	1002.6	-3	S	3	bc	47	92	7	3,000	Sc	6	-	-																						
Benson ...	1004.4	-2	WSW	1	0	47	92	7	-	Sc	10	-	999.1	-5	S	4	0f	46	92	5	-	Nb	10	-	-																						
S. Farnborough ...	1004.3	-5	SSW	5	01f	49	92	Y	1,250	Sc	10	-	1000.3	-5	S	4	01f	47	85	6	1,500	Sc	10	-	-																						
London (Kew Obs.) ...	1004.4	-5	SW	5	01f	50	85	4	1,250	Nb	8	As	1000.9	-4	S	4	02f	48	85	5	2,000	Sc	10	-	-																						
Croydon ...	1005.2	-5	SSW	5	01f	49	85	6	750	Sc	10	-	1002.3	-4	SSW	3	01f	46	85	6	750	Sc	8	-	-																						
1H. G.M.T. of 31 <sup>st</sup>																								7H. G.M.T. of 31 <sup>st</sup>																							
Renfrew ...	990.6	-5	NE	5	02f	40	92	5	2,000	Sc	10	-	989.2	-2	NE	3	0f	40	92	4	750	Nb	10	-	-																						
Eskdalemuir ...	991.7	-5	-	0	bc	35	92	6	-	Sc	6	-	988.0	-2	NE	3	0f	38	97	5	2,000	Nb	10	-	-																						
Valencia (Cahire'n) ...	986.9	0	SSW	2	om	4.0	*	*	*	*	*	0	987.6	+1	NE	3	bc	38	85	8	3,000	Sc	4	-	-																						
Baldonnel ...	987.6	-1	S	3	b	40	85	7	-	-	As	3	987.6	0	-	0	bc	32	92	8	-	As	3	-	-																						
MANCHESTER (ALEX. ...)	*	*	*	*	*	*	*	*	*	*	*	*	987.4	-4	SSE	1	02f 3f	42	92	2	2,000	Sc	9	-	-																						
Ross on Wye ...	*	*	*	*	*	*	*	*	*	*	*	*	987.8	-2	NNE	1	0R	37	92	5	1,250	Nb	10	-	-																						
Falmouth ...	989.7	-4	W	2	bc	42	92	7	-	Nb	6	-	989.0	-1	W	1	0	39	85	7	-	Sc	9	-	-																						
Calshot (Hants) ...	992.6	-8	S	5	0b	47	92	7	750	Sc	10	-	988.4	-5	SSW	5	0	45	85	7	2,000	Sc	7	-	-																						
Lymington (Folkestone) ...	995.8	-8	S	6	01f	46	92	6	1,500	Sc	10	-	991.0	-5	S	6	0	45	92	8	750	Sc	10	-	-																						
Aberdeen ...	*	*	*	*	*	*	*	*	*	*	*	*	992.8	-1	NW	3	02f	34	97	4	2,000	Sc	5	As	4																						
Howden ...	991.7	-6	S	4	0	42	97	6	5,700	Sc	10	-	987.5	-3	SSE	3	01f	42	97	6	2,000	Sc	9	-	-																						
Cranwell (Lincs) ...	992.8	-8	S	2	0	44	97	5	2,000	Sc	7	-	982.7	-5	S	3	02f	42	97	5	750	Nb	10	-	-																						
Felixstowe ...	996.8	-7	S	4	bc 1f	45	92	6	3,000	Sc	4	-	992.6	-4	SSE	5	0f	44	97	6	1,250	Nb	10	-	-																						
Shoeburyness ...	*	*	*	*	*	*	*	*	*	*	*	*	990.5	-4	SSW	3	0	45	85	7	2,000	Sc	6	As	3																						
Benson ...	*	*	*	*	*	*	*	*	*	*	*	*	986.4	-2	S	2	02f 3f	46	97	5	-	Nb	10	-	-																						
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	988.3	-4	S	3	01f	44	97	6	1,500	Nb	10	-	-																						
London (Kew Obs.) ...	?	?	*	*	*	*	*	*	*	*	*	*	988.9	-3	SSE	2	01f 3f	44	97	4	1,250	Nb	8	As	2																						
Croydon ...	994.8	-7	SW	4	b	45	92	8	-	-	-	-	989.6	-5	SSW	4	02f	44	92	5	1,500	Sc	10	-	-																						
STATIONS CONTRIBUTING REPORTS AT 7H. AND 18H.																																															
STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.	TEMPERATURE.		WIND.		Dir. of Upper Cloud.	Weather.	Sea.	Rainfall.	TEMP.		WEATHER.			Sunshine Hours.																											
	at M.S.L.	°F.	Dir.	Force		at M.S.L.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dir.					Force	Max. °F.	Min. °F.	Morning.	Afternoon.		Night.																										
	mb.	0-12.	0-12.	0-12.		mb.	0-12.	0-12.	0-12.	0-12.					0-12.	0-12.	0-12.	0-12.	0-12.		0-12.	0-12.																									
18H. G.M.T. of 30 <sup>th</sup>																								7H. G.M.T. of 31 <sup>st</sup>																							
Lerwick ...	978.5	44	SSW	5	omf	995.8	+3	39	-6	NE	5	-	Ci	4	3	45	36	0g	omf	omf	4																										
Stornoway ...	993.0	38	W	1	bc	992.3	+2	41	+1	NE	1	-	0	3	3	43	34	bc	bc	bc	3.2																										
Castletown (Barnes) ...	992.0	45	SSE	3	0	988.8	+1	42	-3	ENE	4	-	0	4	11	47	40	cbc	cbc, po	0f	4.0																										
Malin Head ...	988.4	42	SSE	3	0p	988.6	0	40	-3	SSE	1	5	0	3	1	44	39	bc	bc	0.0	0.0																										
Blackod Point ...	985.3	44	SE	2	0	985.0	+4	43	-2	-	0	-	0f	1	14	57	38	bc	0f	0f	0																										
Roche's Point ...	989.8	45	SW	3	0f	987.5	0	37	-6	NNE	1	-	b	4	7	50	36	bap	rmor	0f	0																										
Birr Castle ...	988.0	44	S	1	0	987.4	0	29	-8	W	1	-	bc	1	42	29	0	0	0	0	1.7																										
Donaghadee ...	994.3	46	S	3	cm	988.2	0	39	0	-	0	-	0	2	5	48	39	bc	cm	cm	0																										
Liverpool (Bidston) ...	995.8	45	SE	3	b	987.0	-1	42	-2	SE	1	-	om	1	-	49	42	bc	b	bc	5.5																										
Holyhead ...	993.5	47	S	5	0	986.1	-1	42	-4	S	3	-	0g	2	3	50	41	bc	bc	bc	6.0																										
Pembroke (St. Ann's Head) ...	994.1	48	SSE	5	0	987.6	-1	44	-3	SW	1	-	0f	1	3	50	43	bc	bc	bc	4.9																										
Scilly (St. Mary's) ...	994.4	46	SSW	3	0	988.7	-1	44	-3	W	5	W	0	5	8	51	42	bc	bc	bc	3.9																										
Jersey (St. Aubin) ...	1002.0	48	S	5	0	991.7	0	42	-6	WSW	4	-	0	4	5	51	41	bc	bc	bc	2.3																										
Portland Bill ...	999.0	49	SSW	5	0	988.9	0	46	-4	W	6	-	0f	7	11	50	43	bc	bc	bc	0																										
Dungeness ...	1003.6	49	SSW	5	bc	990.6	-3	46	-2	SSW	7	SW	Cg	6	1	50	46	bc	bc	bc	0																										
Wick ...	989.5	39	WSW	6	bc	991.7	+1	43	0	N	4	-	bc	3	-	45	33	bc	bc	bc	0																										
Nairn ...	992.8	38	-	0	bc	991.8	0	34	-8	-	0	-	0g	1	0.2	44	31	bc	bc	bc	6.5																										
Leith ...	994.8	41	SE	2	bc	988.7	-1	43	-1	E	2	-	0	2	0.2	46	37	bc	bc	bc	0																										
Tynemouth ...	997.2	44	SW	2	b 2f	989.1	-2	42	-2	S	2	-	0	2	-	47	40	bc	bc	bc	0																										
Spurn Head ...	999.4	45	WSW	2	om	988.5	-2	43	-3	SSE	4	-	om	3	2	48	41	bc	bc	bc	0																										
Yarmouth (New Quay) ...	1002.8	48	SSW	4	0	992.4	-3	45	-3	SSW	5	-	0g	3	-	51	44	bc	bc	bc	1.9																										
Clacton-on-Sea ...	1002.6	46	S	3	0	991.1	-5	45	-1	SSE	5	-	0	4	1	48	44	bc	bc	bc	0.2																										
Nottingham ...	998.7	42	SSE	1	0	987.8	0	43	-6	SSW	1	S	om	1	2	50	41	bc	bc	bc	0.0																										

Information for these columns not usually received

\* The barometric change is expressed in half millibars.

† For code see page 3

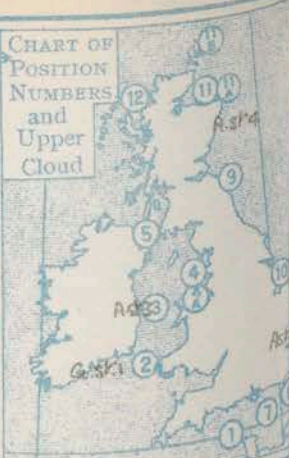
‡ See footnote p. 4.



## SUMMARY OF CONDITIONS AT 7 h.G.M.T. 31st January

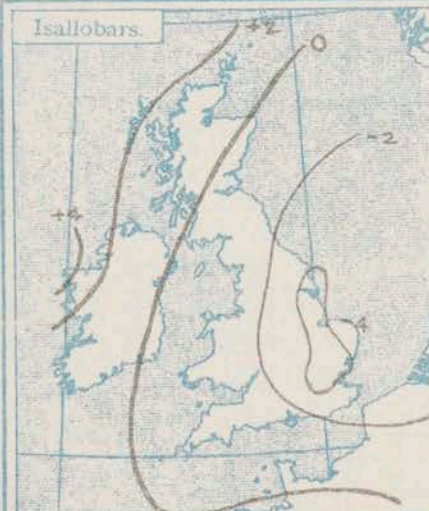
Temperature reported from Coastal and Cross Channel Steamers

CHART OF POSITION NUMBERS and Upper Cloud



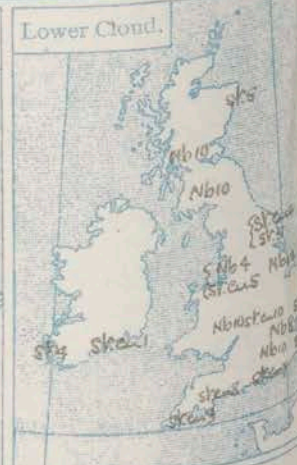
Districts.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Dull, some rain.	Good.	R. Rough
2. E. England	Dull, squally, some rain.	Fair.	Mod.
3. E. Midlands	Dull, some drizzle.	Indif.	-
4. W. Midlands	Dull, misty, rain.	Indif.	-
5. S.W. England	Cloudy to dull.	Good.	R. Rough
6. South Wales	Dull.	Exclt.	Slight
7. North Wales	Dull, gloomy.	Good.	Slight
8. N.W. England	Dull, misty, slight rain.	Indif.	Slight
9. N. Midlands	Dull, misty, slight rain.	Poor	-
10. N.E. England	Dull, rain.	Fair.	Slight
11. E. Scotland	Dull.	Poor	Slight
12. S.W. Scotland	Dull, misty, slight rain.	Indif.	Slight
13. Isle of Man	Dull.	Fair.	Slight
14. N. & N.W. Scotland	Fair, misty, some squalls	Indif.	Slight
15. Hebrides	Dull.	Indif.	Slight
16. Orkneys and Shetlands	Cloudy, some rain and squalls.	Indif.	Mod.
17. N.W. Ireland	Dull.	Good.	Slight
18. N.E. Ireland	Dull.	Good.	Slight
19. S.E. Ireland	Fair, frosty.	Good.	Slight
20. S.W. Ireland	Fair.	Good.	Mod.

Isallobars.



Barometric change from 4 h. to 7 h. (half millibars).

Lower Cloud.



GENERAL INFERENCE from observations received up to 9h.

An Easterly wind current spreading from the north will cause colder weather in all districts for a time. There are however indications of a deep depression off South-West Iceland which is likely to cause an early return to mild conditions.

**EXPLANATION.**  
**BAROMETER.**—Isobars are drawn at intervals of two millibars.  
**WIND.**—Direction is shown by arrow flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in small circles per hour by figures in small circles.  
**TEMPERATURE.**—Is given in degrees F.  
**WEATHER SYMBOLS.**  
 clear sky. ☉ sky & cloud. ☁ sky & cloud. ☁  
 overcast sky. ☁  
 snow. ❄ sleet. ⚡ rain falling. 🌧  
 fog. 🌫 mist. 🌫  
 T thunder. R thunderstorm.  
**SEA DISTURBANCE.**— Rough. High.

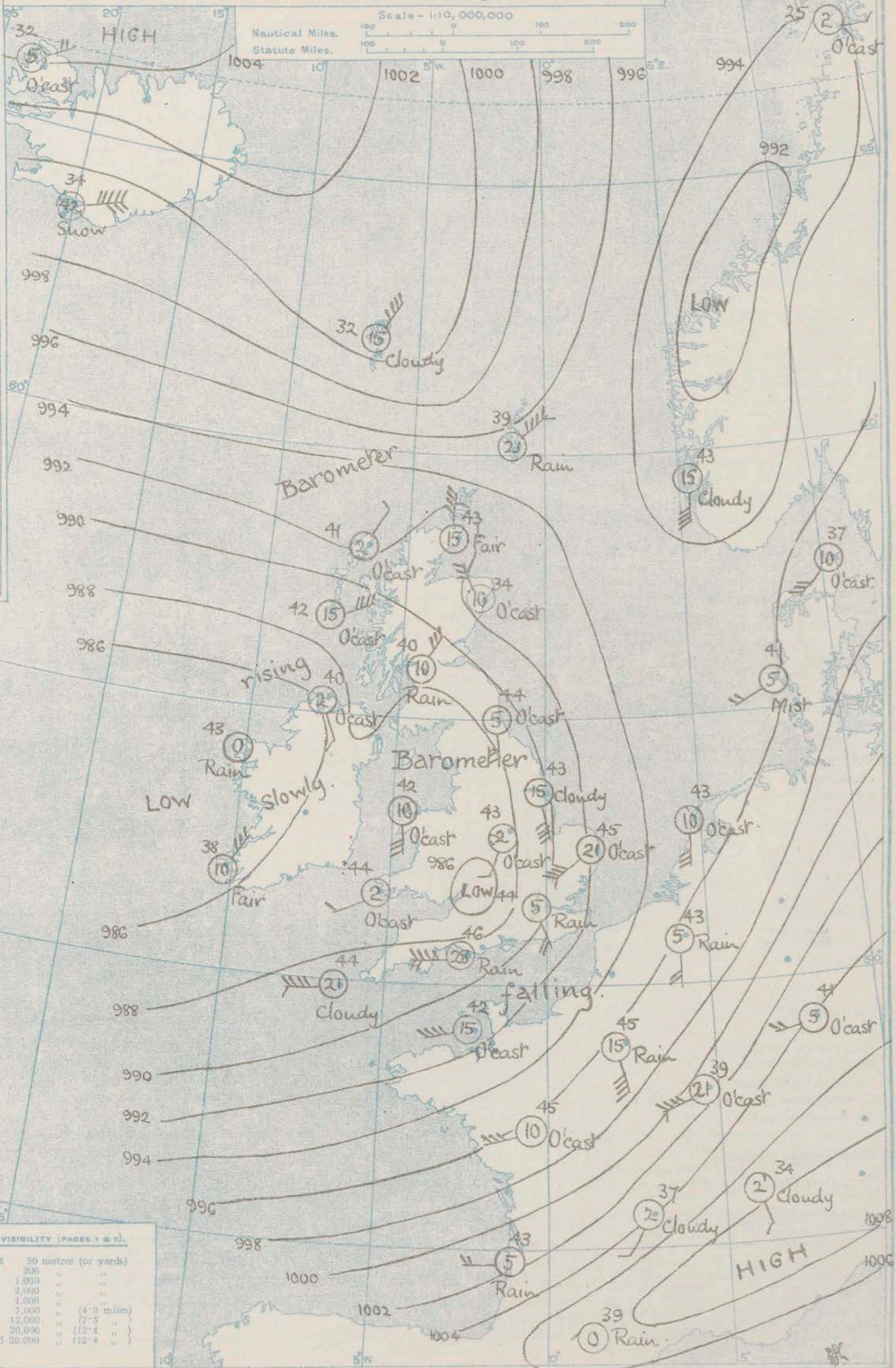
Further Outlook.

Districts.	Forecasts for the 24 hours commencing 15h.G.M.T. 31st January 1921.
1. S.E. England	Wind Westerly fresh to strong, becoming light variable; some rain at first then improving; visibility fair early, some fog on Tuesday; colder.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	Same as 1 - 2.
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Same as 3 - 4.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	Wind Easterly light or moderate; variable sky, local showers of rain, sleet or snow; visibility fair; local mist; cold.
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	
	Light variable winds, probably becoming South-West later, variable sky, local showers, bright intervals; visibility fair, local mist; cold, then milder.

None issued.



SYNOPTIC CHART FOR MORNING OF Monday 31<sup>st</sup> January.



TELEGRAPHIC CODE FOR SURFACE VISIBILITY (PAGES 1 & 2).	
0. Dense fog.	Objects not visible at 50 metres (or yards)
1. Very Bad	
2. Bad	200 "
3. Very Poor	1,000 "
4. Poor	2,000 "
5. Indifferent	4,000 "
6. Fair	7,000 " (4.3 miles)
7. Good	15,000 " (7.5 "
8. Very Good.	20,000 " (12.4 "
9. Excellent.	20,000 " (12.4 "
Exceptional visibility.	



## AIR MINISTRY.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1921. No. 31...

MONDAY

31<sup>st</sup> JANUARY 1921WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 30<sup>th</sup>

STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night, 12h-1h.	Day, 2h-12h.	Sunrise to Sunset.			Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night, 12h-1h.	Day, 2h-12h.	Sunrise to Sunset.	
						24 <sup>th</sup> 30 <sup>th</sup>		30 <sup>th</sup>							24 <sup>th</sup> 30 <sup>th</sup>		30 <sup>th</sup>	
Scotland.	Oban ... ..								England, N.W.	Douglas (I.O.M.)								
	Banff ... ..	b.	b.	47	39	-	-	7.3		Blackpool ... ..	oc	bc	49	44	4	-	4.7	
	Montrose ... ..									Southport ... ..	oc bc	bc b	50	44	3	-	4.9	
	St. Andrews ... ..									MORCAMBA								
England, N.E.	Harrogate ... ..	bc	bc	47	40	-	-	2.5	Midlands.	Buxton ... ..								
	Scarborough ... ..									Leamington Spa...	or	o	48	45	2	-	0.0	
	Skegness ... ..									Malvern ... ..								
England, E.	Lowestoft ... ..									Bath ... ..	ro	po	49	48	2	1	0.0	
	Felixstowe ... ..	bc	or	48	45	-	0.2	0.4		Rhyl ... ..	bc	bc	51	44	1	-	6.0	
	Southend-on-Sea...	o	oc	49	45	-	-	0.0		Colwyn Bay ... ..	*	*	51	44	3	-	6.0	
England, S.E.	Tunbridge Wells	o	o	49	45	0.3	-	0.0		Llandudno ... ..	*	*	54	44	2	-	6.4	
	Margate ... ..	o	o	50	47	-	-	0.0		Aberystwyth ...								
	Ramsgate ... ..	*	*	48	45	-	-	0.0		Tenby ... ..								
	Folkestone ... ..	o	c	51	46	-	-	0.0		Swansea ... ..								
	Hastings ... ..	cbc	c	51	47	-	-	2.9		England, S.W.	Weymouth ... ..	d	do	51	47	1	5	0.0
	Eastbourne ... ..	oc	bc	51	47	-	-	2.6		Teignmouth ...								
	Brighton ... ..	o	oro	49	48	-	1	0.8		Torquay ... ..	oro	cbc	51	48	1	0.4	0.6	
	Worthing ... ..	abc	bc	51	48	-	-	1.0		Paignton ... ..								
	Littlehampton ...									Penzance ... ..	cbc	bc	52	45	3	-	4.0	
	Portsmouth (St. Peter's)	-	-	51	48	-	-	0.0		Newquay ... ..	cb	bor	51	43	3	3	4.2	
	Bournemouth ...	*	*	51	47	1	9	0.0		Bude ... ..	rcbc	b	52	45	6	-	2.1	
	Ventnor (I. of W.)	*	*							Ilfracombe ... ..	ocbc	bc b	50	46	6	-	0.8	
										Weston-s-Mare ...	cbc	bc	51	46	2	-		

## SUMMARY FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	RAINFALL. †		Sun. Hours.
	7h-12h.	12h-18h.	18h-12h.	12h-7h.				Day, 7h-18h.	Night, 12h-7h.	
Renfrew ... ..	b. op. b. bc.	b. bc. o. c.	c. o. c. f.	c. f. d. o. p.	47	36	30	0.3	1	5.6
Eskdalemuir ... ..	c. o. bc. c.	b. bc. bc.	b. bc. bc.	b. bc. bc.	43	34	31	-	1	4.4
Valencia (Cahire) ...	c. o. bc. c.	b. bc. bc.	b. bc. bc.	b. bc. bc.	48	37	33	1.0	1	0.8
Baldonnel ... ..	b. bc. bc.	rr. o. f. q.	b. bc. bc.	b. bc. bc.	50	31	24	1	-	3.7
MANCHESTER (ALEX.)	or. bc. bc.	b. bc. bc.	b. bc. bc.	b. bc. bc.	50	43	35	1	3	4
Ross on Wye ... ..	c. o. bc. c.	b. bc. bc.	c. o. bc. c.	c. o. bc. c.	51	37	36	1	9	1.8
Falmouth ... ..	c. o. c.	c. o. bc. c.	RR. c. o.	b. bc. c. o.	51	38	37	4	3	3.4
Calshot (Hants) ...	o. f. p.	o. f. r.	o. f. r.	c. o. f. bc. d.	50	44	41	1	6	0.0
Lymington (Folkestone)	o. f. p.	o. f. o.	b. o. f. q.	o. f. p.	48	44	43	-	0.2	0.0
Aberdeen ... ..	f. b.	b.	f. bc. x.	z. f. x.	48	31	24	-	-	6.9
Howden ... ..	o. of.	o. f. if.	b. bc. o. f.	c. o. z. f.	49	38	35	0.2	Trace	0.5
Cranwell (Lincoln) ...	c. o. c. f.	o.	d. bc. c. o.	c. o. p.	51	40	38	2	1	0.9
Felixstowe ... ..	o.	o. p.	p. bc. o.	c. o. r.	49	44	42	0.2	0.4	0.5
Shoeburyness ... ..	c. o. c.	p. bc. c.	b. bc. c. o.	r. o.	51	44	43	Trace	1	0.0
Benson ... ..	o. r.	o. f.	r. r. o.	o. r. r.	51	42	39	5	7	*
S. Farnborough ... ..	f. bc.	d. bc. o. f.	d. bc. p.	o. f. p.	50	43	42	1	3	0.0
London (Kew Obs.) ...	c. o. bc. c.	p. bc. o. f.	o. f. p. d.	o. f. r.	51	43	39	1	2	0.0
Croydon ... ..	c. o. bc. c.	o. f. p. d.	c. o. f. p. d.	b. o. f. p. d.	49	43	39	0.4	4	*

## BEAUFORT NOTATION.

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.  
 e wet air without rain falling.  
 f fog. g gloom.  
 h hail. i lightning.  
 m mist. o overcast sky.  
 p passing showers.  
 q squalls. r rain.  
 rs sleet, i.e., rain and snow together.  
 s snow. t thunder.  
 u ugly, threatening sky.  
 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.

Capital letters indicate intensity, and repetition of letters continuity, thus:-  
 R = heavy rain.  
 rr = continuous moderate rain.  
 r.r. = continuous light rain.

## THE BEAUFORT SCALE OF WIND FORCE.

Used only for surface observations.

Limits of Velocity at about 30 feet above ground.

No. Statute miles per hour. Metres per second.

0 Less than 1 Less than 0.3

1 1-8 0.3-1.3

2 4-7 1.3-2.5

3 8-12 2.5-4.4

4 12-18 4.4-7.9

5 18-24 7.9-10.7

6 24-31 10.7-13.9

7 32-38 13.9-17.1

8 39-46 17.1-20.7

9 47-54 20.7-24.4

10 55-63 24.4-28.4

11 64-76 28.4-33.6

12 Above 76 33.6 or above

SYMBOLS— Solar halo ☉

Aurora ☀ Rime ❄ Lunar halo ☾

Glazed frost ❄ Solar corona ☉

Glazed roads ❄ Lunar corona ☾

Line Squall ⚡ Snow lying ❄

## LONDON OBSERVATIONS.

	24 HOURS ENDED 31 <sup>st</sup> JAN. 1921							YESTERDAY.		TO-DAY.
Greenwich (Royal Observatory)	o.p.	o.d.r.	o.b.c.r.	51	42	36	2	0.0	90	87
City (Bunhill Row)	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James's Park)	*	*	*	52	44	39	2	0.0	97	?
Regents Park (Botanic Cons.)	*	*	*	*	*	*	*	0.0	*	*
Camden Sq. (British Rainfall)	-	-	*	52	43	39	3	*	-	84
Kensington Palace	o.d.	o.d.a.	*	52	44	45	3	*	80 (18h)	87
Hampstead Observatory	*	*	*	49	42	39	4	0.0	*	90

## SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday

Total 97 Joules.

Average Rate 3.0

Maximum Rate 14

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

31<sup>st</sup> JAN. 1921

Stations. Sunrise. Noon. Sunset.

G.M.T. G.M.T. G.M.T.

Yarmouth ... { 7.40 12.7 4.36

Greenwich { 7.43 12.14 4.45

Wick ... { 8.24 12.26 4.31

Valencia ... { 8.26 12.55 5.26

## Photographic Record of

Polaris (Polaris) and of 3 Ursae

Minoris at Greenwich Observatory.

Exposure from 12.00 h. to 6.00 h.

to 6.00 h. 3.0 m.

Stars.	Duration of Exposure.	Duration of Record.	%
Polaris	12. 30	4. 10	33
3 Ursae Minoris	12. 30	2. 47	22

## NOTES ON THE WEATHER OF YESTERDAY.

Rain fell in nearly all districts but except at Valencia Castlebay and Portland Bill where it amounted to 11mm the precipitation was not heavy. The best sunshine records were obtained in the North-West and North, Aberdeen having 6.9 hours and Nairn 6.5 hours. Some Welsh stations also recorded 6 hours. Temperature remained high for the time of year.

\* Information for these columns not usually received.

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





## AIR MINISTRY.

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

BRITISH SECTION.

CORRECTIONS AND ADDITIONS, January 1921.

Page 1.

## I.—CORRECTIONS.

Re- port for	STATION.	CORRECTION.	Re- port for	STATION.	CORRECTION.	Re- port for	STATION.	CORRECTION.
1st	Kentfrew.	30th Dec 1920 13h. Wind NNW	9th	Cranwell	Sunshine 1.2h.	19th	Baldonnal.	18th 13h. Bar. 1006.4 mb.
	Baldonnal.	" " " Cloud Height 1250		London	Rain: day 0.1mm; night 0.3mm		"	Wind force 7.
	Croydon	" " " " ST. Cu 6.		Greenwich	Grass min 38°		Howden	" 13h. Wind force 7.
	Cranwell.	" " " Temp 51°		Hampstead	Sun 1.6h.		Castlebury	" 17th 7h. Sea 5.
	Eskdale	" " " 18h. Wind force 4.	10th	Calshot.	10th 1h. Cloud form ST.	20th	Baldonnal.	Rain: day 0.2mm; night 1mm
	Aberdeen	" 1h. Bar change +4		Falmouth.	" " " ST. 10		"	20th 1h. temp 45°
	Jersey	" Th. Visibility 6		Kentfrew.	" Th. Bar. 997.3 mb.		Ross.	" Th. Bar. 1023.5 mb.
	Eskdale.	" Bar. 1016.0 mb.		Baldonnal.	" " Cloud form ST. Cu.		Falmouth	max temp 49°
	Cranwell.	Sunshine 0.0h.		Holyhead	" " Wind SW.	21st	Manchester.	Weather. 1h-7h. 20th + 0
	Croydon	Weather 7h-13h 31st or 2d		Malin Head	min. temp 45°		Howden	20th 13h. Bar. 1026.8 mb.
2nd	Cranwell.	max. temp 55°		Blackwood	Rain. 2mm.		Eskdale	" " " 1025.0 mb.
	Cranwell.	15th 13h. Visibility 7; Cloud 11.7000		Scilly	10th Th. Bar. 1013.4 mb.		Cranwell	21st Th. wind SW.
	Kentfrew.	24th Th. Bar. 1004.1 mb.		Eskdale	max. temp 51°		Lerwick	" Th. Bar. 1029.2; temp 45°
	Cranwell.	" " " cloud form NB.		City	Sun 1.7h.		Campine	max. temp 49°
	Roches Pt.	" " " Wind WSW		Westminster.	" 1.2h.	22nd	Calshot	Sun 1.2h.
	Liverpool	" " " min. temp 46°		Hampstead	" 1.5h.		"	max. temp 54°
	Eskdale.	" " " min. temp 43°		5. Kensington	Solar Radiation: Total 115 joules		Croydon	21st 13h. Bar 1033.5 mb. Wind S.
	Falmouth	" " " 51°			Average 40mm.		Cranwell.	" " " Wind force 4.
	Calshot	" " " 49°					Lerwick	22nd 13h. Wind WSW.
	Campine	Grass min. 40°	11th	Howden	10th 13h. Bar. 994.2 mb.	23rd	Howden	min. temp 34°
	Cranwell.	Rain night 9mm			" 18h. " 991.3 mb. temp 45°		Calshot	22nd 13h. Temp 42; Cloud ST 6.
3rd	Kentfrew.	2nd 13h. Cloud form ST.		Garmouth.	Sunshine 0.0h.		Durr	23rd 1h. Humidity 98.7%
	Baldonnal.	" 13h. " ST. Cu 10.		Kentfrew.	Grass min. 33°	24th	Jersey	Cloud 11.5; 10
	Cranwell.	" " " Bar. change +2		Benson	" " 30°		Cranwell	max. temp 45. min 38°
	Falmouth.	" " " temp 47° Cloud form 1h.		Croydon	Weather. 0.18gpt. 2d		Howden	22nd 13h. Wind WSW. min. temp 45°
	Cranwell.	" " " Bar. 1013.9 mb.	12th	Calshot.	11th 13h. Upper cloud Ci-Cu.		Cranwell.	min. temp 39°; Grass min 37°
	Kentfrew.	3rd 1h. Visibility 4.		Baldonnal.	" 18h. Wind S.	25th	Howden	25th 13h. Temp 44°
	Spurn Head	" Th. " 1015.6 mb.		Croydon	" " " Bar. 1006.4 mb.		Falmouth.	min. temp 41°
	Kentfrew.	" " " Wind NW.		Stornoway	12th Th. " Wind NNE		Calshot.	24th 13h. Weather. c. Bar. 1025
4th	London	Grass min 31°		Castlebury	" " " Bar. 1006.4 mb.		Eskdale.	24th 13h. " " " 1025
	Calshot	max. temp 55°		Eskdale.	12th Th. " Wind ENE		Jersey	25th 1h. Wind N.
		3rd 13h. Weather. Cf.		Ross-on-Wye	" " " ENE	26th	Valencia	Sunshine 0.6h.
		Cloud ST Cu 8. Sea 1.			Rain: night 5		Baldonnal.	25th 13h. Temp 53°
	Cranwell.	" 18h. Wind SSW.			Weather 15h 11th-14.12th 0.0		Howden	18h. Cloud ST. 3. A. 7
	Castlebury	2nd 1h. Visibility 3		Howden	max. temp 44°; Sun 1.9h.		Baldonnal.	" " " Bar 1017.7 mb.
	Falmouth	" Th. " 1013.9 mb.	13th	Cranwell.	" " " 45°		Jersey	20th 1h. Cloud ST 10
	Spurn Head	min. temp 47°		Falmouth	12th 13h. Temp 43°	27th	Dynemouth.	Sun 0.0h.
	Kentfrew.	Rain. 0.1mm.		Eskdale.	13th Th. " Wind ENE		Howden	min. temp 34°
5th	Ross-on-Wye	max. temp 54°		Calshot.	" " " Weather. 0		Falmouth.	26th 13h. Wind NW.
	Baldonnal.	" " " 53°		Portland	min. temp 43°		Jersey	27th 1h. " WNW.
	Calshot.	5th Th. Visibility 8.		Ross-on-Wye	max. " 47°		Wick	max. temp 52°; Sun 0.1h.
		" " " Bar. 1011.8 mb.		Campine	max. " 47°		Eskdale.	" " " 47°
	London	" " " Wind SSW.		Cranwell.	Weather. 12th Th-13h.	28th	Falmouth.	Rain night 0.1mm.
	Croydon	" " " temp 52°			0.2f. Cf		Howden	" day 3 mm.
		Weather. 7h-13h 4th	14th	Eskdale.	13th 13h. temp 35°		Calshot.	27th 13h. " nil; night nil
	Howden	5th 13h. Wind SW.		Calshot	" " " Wind NW.		Malin Head	27th 13h. Bar. change +3; Vis. 6
	Cranwell	" " " Visibility 5.		Howden	" " " Temp 35°		Jersey	" 18h. Temp 46°
	London	" 18h. " Wind WSW.			" 18h. Bar. 1001.9 mb.	29th	Malin Head	min. temp 41°
	Eskdale.	6th 1h. Temp 44°		Eskdale.	14th Th. " Weather box.		Baldonnal.	Sun 0.0
	Roches Pt.	" Th. Bar. 1004.5 mb.		Portland	max. temp 46°		Howden	Rain day 1mm; night 1mm
	Spurn Head	" " " Wind force 6		Campine	" " " 47°		Howden	28th 13h. Bar. 1016.9 mb.
	Howden	max. temp 46°		Aberdeen	Grass min 20°		Croydon	29th 1h. Cloud H 2.8
	Felixstowe	Sun. 1.9h.	15th	Howden	15th 1h. Temp 28°		Calshot.	29th Th. Wind force 4
	Eskdale	" " " 0.0h.		Cranwell.	" Th. " 29°; Vis. 4		Castlebury	" " " ENE.
	Calshot	6th 13h. Wind force 7.		Portland	14th 13h. Bar. 1019.6 mb.		Jersey	max. temp 52°; Sun 0.0h.
	Felixstowe	" 18h. " Sea 4		Jersey	" " " Temp 45°		Eskdale.	Rain night 0.3mm.
	Calshot	" " " temp 47°		Scilly	min. temp 44°	30th	Falmouth.	" day 0.3mm.
	Baldonnal.	7th 1h. Cloud amnt. 8		Valencia	Grass min 46°		Howden	29th 13h. Humidity 97%
	Shoeburyness	7th Th. Humidity 85%		Howden	max. temp 38°		Calshot.	" " " wind force 5
	Dergholoe	" " " Visibility 7			min. " 25°; Rain: day 1		Howden	" " " cloud ST 7 weather conq
	Baldonnal.	" " " Wind W.		Cranwell	night - Sun 0.2h.		Falmouth.	" 18h. Temp 50°
	Calshot	" " " 18h. " SW.	16th	Falmouth.	max. temp 37°; Sun 1.0h.		Howden	30th 1h. " 49°
	Cranwell	" " " Sea 2.		Baldonnal.	15th 13h. Cloud: Cu Nb. 9.	31st	Cranwell	30th Th. Wind SSW.
	Croydon	" " " temp 38°		Roches Pt.	10th Th. Bar 1021.3 mb.		Roches.	min. temp 41°
	Manchester	" " " Cloud ST. 10		Baldonnal.	" " " Wind SSW.		Durr	Rain. 4mm.
	Shoeburyness	8th Th. " Wind W.		Howden	15th 13h. " " " 15th 13h. Wind force 3.		Howden	" " " 2mm
		" " " weather C2F			Weather. 10th 1h-7h. cold fog		Croydon	Weather. 1h-7h. 30th Bar.
	Malin Head	" " " cloud ST. Cu 8.			Sunshine 0.0h.			" " " 0.2f. Cf
	Valencia	" " " Temp. change +3		Howden	Weather. 10th 1h-7h. cold fog		Benson	max. temp 51°; min. temp 47°
	Falmouth	max. temp 49°			Sunshine 0.0h.		Birr	" " " 44°
	Calshot	Rain. day 3mm.	17th	Cranwell	max. temp 37°; min. 25°; Grass min 20°		Eskdale	30th 13h. " 44°
	London	Weather 13h-18h 7th of 2f. Cf		Baldonnal.	min. " 23		Manchester	min. temp 35°
9th	Felixstowe	7h-13h 7th of 1r. Cf		Castlebury	17th 1h. Pres. weather 0.9		Howden	Grass min 35°
	Manchester	8th 13h. Temp 43°		Eskdale	17th Th. " Wind W.		Cranwell	Sun 0.9h
	Eskdale	" 13h. Bar. 1012.7 mb.	18th	Calshot	Rain: day 5; night 16			
	Calshot	Rain day 10mm.		Cranwell	min. temp 41°			
		max. temp 51°		Stornoway	17th 13h. Bar. change -10			
				Portland	18th 7h. " " " 18th 7h. weather. box. 19			
					min. temp 47°			

The barometric change is expressed in half millibars.





## AIR MINISTRY.

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

BRITISH SECTION.

CORRECTIONS AND ADDITIONS, JANUARY, 1921.

Page 1

## II.—ADDITIONS.

Report for	STATION.	OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1h, 7h, 13h AND 19h.															SUMMARIES FOR PAST 24 HOURS.									
		BAROM. at M.S.L. mb.	Change in 3 hours.	WIND.		Weather	TEMP. °F.	Humidity. %	visibility. 0-9	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea.	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	RAINFALL.		Snow.	
				Direc.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.		0-9.	7h-13h.	13h-18h.	18h-1h.				1h-7h.	Day. 7h-18h. mm.		Night. 18h-7h. mm.
1st	Calshot 1h.	1012.9	+2	SW	3	-	-	92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2nd	Howden 1h.	1007.6	-5	-	0	r	44	97	4	1250	Nb	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3rd	Baldonnell 7h.	1017.7	-1	S	1	oif	44	85	7	4200	St	7	A.St	3	-	-	-	-	-	-	-	-	-	-	-	-
5th	Baldonnell 7h.	1012.3	-1	S	4	og	43	85	7	4200	St.Cu	3	A.St	3	-	-	-	-	-	-	-	-	-	-	-	-
7th	Cranwell 1h.	1016.2	+2	W	3	bc	44	92	5	4200	St.Cu	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8th	Esdailemoir 7h.	1009.6	+2	SW	4	bc	37	92	6	2000	St	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11th	Baldonnell 7h.	1006.4	+2	SW	5	bcg	39	85	5	2000	St.Cu	3	A.St	1	-	-	-	-	-	-	-	-	-	-	-	-
12th	Cranwell 13h (15)	1005.9	0	WSW	4	bc	44	75	7	3000	St.Cu	4	A.St	2	-	-	-	-	-	-	-	-	-	-	-	-
12th	Baldonnell 7h.	989.6	-7	-	0	oaf	42	85	5	1250	St.Cu	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15th	Baldonnell 7h.	1020.7	+4	W	1	bcyf	43	92	4	4200	St.Cu	4	Cu	1	-	-	-	-	-	-	-	-	-	-	-	-
16th	Howden 18h (15)	1028.2	0	S	3	b3f	34	92	1	4200	St	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17th	Esdailemoir 13h (15)	1022.8	-2	SW	4	odm	47	97	4	750	Nb	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17th	Valencay 7h.	1015.5	-5	SW	6	od	51	92	5	1250	St	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18th	Cranwell 7h.	991.0	-7	WSW	6	of	51	97	6	1250	Nb	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22nd	Baldonnell 7h.	1017.1	+2	SSW	4	ife	44	85	7	2000	St.Cu	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22nd	Cranwell 7h.	1014.9	-4	WSW	5	bcg	48	85	6	1250	St.Cu	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24th	Baldonnell 1h.	1018.4	-1	SW	5	og	50	85	7	2000	St.Cu	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24th	Baldonnell 7h.	1018.0	-1	SSW	3	oif	49	92	7	2000	St.Cu	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25th	Howden 7h.	1020.1	-3	S	3	os	39	97	4	750	St	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28th	Howden 7h.	1018.9	+2	WNW	3	oif	51	92	7	2000	St.Cu	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29th	Baldonnell 7h.	1012.1	-4	SSW	5	oif	50	85	5	1250	St.Cu	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-

STATIONS CONTRIBUTING REPORTS AT 7h. AND 19h.																										
Report for	STATION.	Barom. at M.S.L. mb.	TEMP. °F.	WIND.		Weather	BAROMETER.				TEMPERATURE				WIND.		Direc. of Upper Cloud.	Weather	Sea 0-6.	RAIN- FALL. mm.	TEMP.		WEATHER.			Snow.
				Direc.	Force 0-12.		M.S.L.	Change in 3 hours.	TEMP. °F.	Change in 24 hours.	Direc.	Force 0-12.	Max. °F.	Min. °F.	Morning.	Afternoon.					Night.					
19h. G.M.T.						7h. G.M.T.											24 HOURS ENDED 7h.									
4-12	Blackod Point	996.2	53	SW	8	og/r	1002.3	+2	45	3	NW	1	-	omf	2	4	54	38	0	og/r	omf of					
5-12	Blackod Point	1007.5	45	-	0	bc	1006.3	-6	48	+3	SW	4	-	omd	4	1	48	47	bc	bc	bc					
6-12	Blackod Point	1004.4	50	SW	5	omf																				
15-12	Castlebay						1014.8	-1	47	+9	SSE	4	-	d	2	0.3	47	37			bc od					
15-12	Blackod						1014.5	0	50	+9	SW	4	-	omd	4	3	51	48			omd. om					
16-12	Rock's Point	1002.4	48	W	5	o	1000.5	+4	45	-5	W	6	-	omf	6	9	52	41	of	omf	omf					
19-12	Malin Head	1000.6	37	WNW	7	og/r	1020.2	0	45	+5	W	4	W	og	7	4	45	32	og/r	og/r	og/r					
19-12	Blackod Point	1004.1	43	NW	6	o	1026.3	+2	41	-4	NW	3	-	bc	2	2	51	45	og/r	og/r	og/r					
20-12	Pembroke	1004.9	46	WNW	9	bcg	1026.5	+3	45	-7	NW	5	-	c	7	-	48	44	bcg	bcg	bcg					
20-12	Malin Head	1021.7	47	WSW	3	ome	1019.3	0	49	+4	WSW	4	-	ome	4	Trace	49	43	og/r	ome	ome					
20-12	Blackod Point	1025.3	49	NW	3	omd	1025.4	0	51	+10	W	5	-	o	5	1	54	47	omf	om	om					
21-12	Rock's Point						1032.4	0	49	+4	WSW	2	-	o	2	0.2	50	45			of o					
21-12	Malin Head	1021.7	49	WSW	5	og/r	1018.3	-2	48	-1	WSW	4	-	oif	4	Trace	50	47	fe	fe	fe					
22-12	Blackod Point						1020.8	-3	50	-	SW	3	-	c	3	1	52	49			c o					
22-12	Malin Head						1009.2	43	43	-5	W	5	-	bcg	5	2	53	43			og/r					
24-12	Blackod Point						1016.1	+5	44	-6	NW	4	-	c	5	4	45	39			omg/r					
24-12	Blackod Point	1014.9	51	W	4	om	1014.9	-3	50	+5	W	4	-	o	4	0.4	54	43	omd	om	o					
25-12	Castlebay						1012.2	0	50	+13	SW	3	-	o	4	32	50	37			o					