

METEOROLOGICAL OFFICE.

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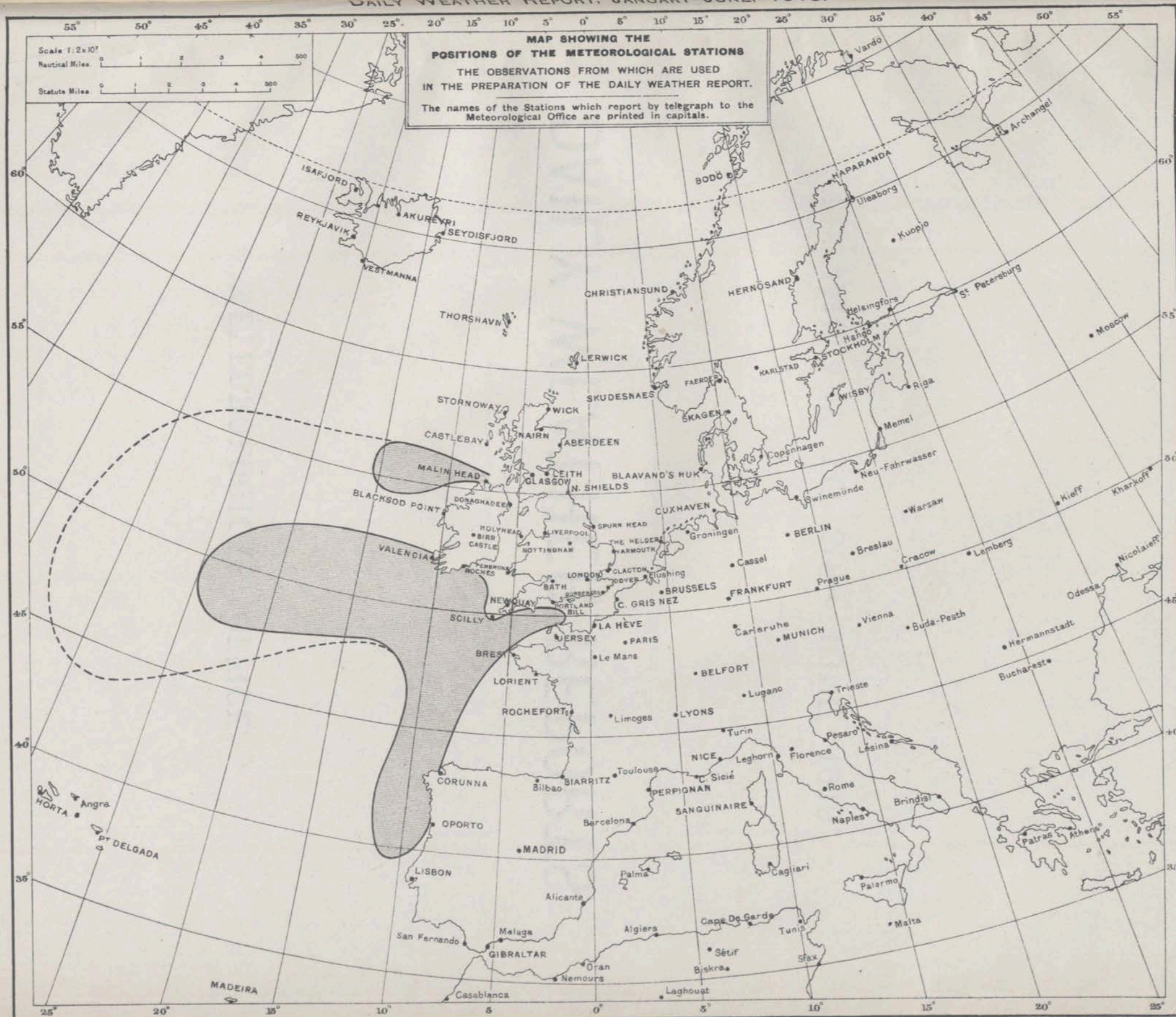
# DAILY WEATHER REPORTS.

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1ST JANUARY TO 30TH JUNE 1913.



DAILY WEATHER REPORT, JANUARY-JUNE, 1910.





# DAILY WEATHER REPORT. 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.)

STATIONS.	PRESSURE. 1906-1910. 7 a.m. Observations (reduced to M.S. Level and to Lat. 45°).	AIR TEMPERATURE.								RAINFALL. 1876-1910.		BRIGHT SUNSHINE. 1881-1910.	
		Means of				Absolute Extremes.							
		1906-1910.		1876-1910.		1876-1910.							
		Dry Bulb 7 a.m.	Wet Bulb 7 a.m.	Daily Maxi- mum.	Daily Mini- mum.	Maximum.		Minimum.					
						Temp.	Year.	Temp.	Year.				
	In.									Days with Rain.	Total Fall.	Average Duration.	Per Cent- age of Possible Duration.
Sumburgh Head .....	29.686	39.1	37.6	42.5	35.4	52	1898	0	1910	27	In. 3.94	Hr. 28	% 13
Stornoway .....	29.771	40.3	39.2	43.5	34.5	55	1890	11	1881	25	5.06	—	—
Castlebay (Barra Isd.) ..	[29.812]44	[43.2]44	[41.4]44	[46.0]44	[38.7]44	[52]44	[1908, 09, 10]44	[28]44	[1910]44	[37]44	[3.39]44	[36]44	[16]44
Malin Head .....	29.878	41.8	40.9	44.5	37.5	[56]	[1898]	[23]	[1894]	[32]	[2.74]	—	—
Blackod Point .....	29.961	44.6	42.7	46.5	38.8	[56]	[1890]	[26]	[1891, 94]	[26]	[5.13]	—	—
Valencia .....	30.069	44.4	42.4	48.8	40.0	66	1876, 78	20	1894	23	5.52	48	19
Roche's Point .....	30.089	43.0	42.1	47.5	39.3	57	1889	20	1894	20	4.39	—	—
Birr Castle .....	30.038	39.3	38.4	45.1	34.1	57	1880, 98	6	1881, 94	20	2.74	50	20
Donaghadee .....	29.988	40.4	39.7	44.6	36.1	58	1898	14	1881	20	2.59	—	—
Liverpool (Observatory) ..	30.042	38.3	37.5	43.1	35.0	58	1898	9	1881	17	2.69	[79]44	[32]44
Holyhead .....	30.029	42.4	41.0	45.1	38.2	54	1889	20	1894	19	2.90	—	—
Pembroke (St. Ann's Hd.) ..	30.074	42.9	41.2	45.7	39.2	53	1899, 1907	19	1881, 94, 07	19	3.20	55	22
Scilly (St. Mary's) .....	30.280	45.7	43.2	49.0	42.5	57	1899	25	1894	20	2.97	60	23
Jersey (St. Aubin's) .....	30.170	42.7	40.9	46.3	38.4	57	1877, 99	12	1891	20	2.92	69	26
Portland Bill .....	30.076	42.9	41.6	45.2	38.2	[52]44	[1901, 03, 05]44	[23]44	[1907]44	16	2.20	—	—
Dunegness .....	30.081	39.2	37.9	43.5	34.6	55	1878, 98	11	1893	16	[1.82]44	—	—
Dover .....	[30.002]44	[37.2]44	[36.1]44	[43.1]44	[33.1]44	[53]44	[1908]44	[17]44	[1910]44	[14]44	[1.92]44	[84]44	[33]44
Wick .....	29.763	37.3	36.1	42.4	33.0	60	1898	—	1881	21	2.42	—	—
Nairn .....	29.811	37.5	36.1	42.6	31.9	59	1887	4	1910	18	1.98	[47]**	[21]**
Aberdeen .....	29.857	36.7	35.2	42.1	33.0	59	1898	4	1881	18	2.09	51	23
Leith .....	29.901	39.5	37.6	44.0	33.8	58	1898	9	1881	15	1.73	—	—
North Shields .....	29.951	38.2	37.0	43.3	33.5	58	1890, 98	6	1881	14	1.53	—	—
Spurn Head .....	29.906	37.7	36.7	41.9	34.6	[55]*	[1898]*	[13]*	[1881]*	15	1.20	—	—
Yarmouth .....	30.042	37.3	36.1	41.5	33.4	57	1899	10	1881	17	1.59	[70]44	[32]44
Clacton-on-Sea .....	30.084	37.2	36.2	41.5	33.0	[54]44	[1901, 05]44	[21]44	[1907]44	15	1.26	[77]*	[30]*
Nottingham .....	30.047	36.7	35.6	42.4	32.3	58	1877	2	1881	19	1.77	[43]44	[17]44
Bath .....	30.113	38.5	37.4	44.2	33.6	[57]44	[1883]44	[11]44	[1881]44	16	2.33	46	18
Oxford .....	30.121	37.1	35.7	42.9	33.0	60	1877, 90, 1906	7	1881	15	1.79	51	20
LONDON { Westminster	30.092	38.5	37.1	[44.6]*	[34.0]*	[56]*	[1910]*	[20]*	[1908]*	[12]*	[1.50]*	22	9
LONDON { Kew	30.110	38.0	36.3	42.8	34.2	56	1877, 1910	9	1881	15	1.70	44	17
Sumburgh Head .....	29.693	37.9	36.5	41.8	34.2	53	1910	17	1895	22	2.98	60	—
Stornoway .....	29.690	38.5	37.5	43.8	34.0	55	1891	12	1892	22	4.28	—	23
Castlebay (Barra Isd.) ..	[29.772]44	[42.7]44	[40.9]44	[45.7]44	[39.0]44	[50]44	[1909]44	[29]44	[1908]44	[33]44	[3.38]44	[51]44	[29]44
Malin Head .....	29.777	40.8	39.8	44.4	37.2	[59]	[1891]	[20]	[1895]	[19]	[2.31]	—	—
Blackod Point .....	29.879	43.0	41.1	46.6	38.1	[61]	[1891]	[24]	[1902]	[22]	[3.80]	—	—
Valencia .....	29.969	43.4	41.2	49.1	39.9	58	1891	22	1895	22	4.96	71	26
Roche's Point .....	29.967	42.1	41.6	48.0	39.3	56	1877, 89, 96	25	1895, 1900, 02	18	3.83	—	—
Birr Castle .....	29.927	38.5	37.5	46.8	34.6	59	1891	6	1895	17	2.24	67	25
Donaghadee .....	29.858	39.4	38.3	44.2	35.6	57	1897, 1903	13	1895	18	2.31	—	—
Liverpool (Observatory) ..	29.895	37.8	36.2	44.2	33.6	62	1878	12	1895	16	1.76	[88]44	[32]44
Holyhead .....	29.890	41.3	40.1	45.3	38.1	59	1891	17	1895	17	2.44	—	—
Pembroke (St. Ann's Hd.) ..	29.934	42.0	40.4	45.6	39.0	56	1903	23	1895	17	2.57	77	28
Scilly (St. Mary's) .....	30.189	44.7	42.1	49.0	42.1	57	1896, 99	27	1895	18	2.57	87	31
Jersey (St. Aubin's) .....	30.022	42.0	39.8	47.1	38.8	62	1891	18	1895	18	2.51	92	33
Portland Bill .....	29.928	41.5	40.1	45.7	38.4	[54]44	[1903]44	[25]44	[1900]44	13	1.87	—	—
Dunegness .....	29.932	38.0	36.7	44.2	35.2	57	1897	11	1889	15	[1.40]44	—	—
Dover .....	[29.982]44	[38.0]44	[36.8]44	[44.8]44	[34.6]44	[55]44	[1909]44	[26]44	[1909]44	[17]44	[1.42]44	[83]44	[33]44
Wick .....	29.692	36.8	35.3	42.8	32.6	59	1878	2	1895	19	2.24	—	—
Nairn .....	29.715	36.3	34.9	43.6	31.5	64	1891	0	1895, 97	16	1.73	[85]**	[29]**
Aberdeen .....	29.750	37.0	35.4	43.1	33.1	64	1897	6	1895	17	2.11	76	29
Leith .....	29.777	38.1	36.1	45.3	33.8	59	1882	12	1895	14	1.45	—	—
North Shields .....	29.813	37.1	35.8	44.3	33.4	60	1898, 99	7	1895	14	1.43	—	—
Spurn Head .....	29.850	37.5	36.4	42.8	35.4	[61]*	[1899]*	[20]*	[1895]*	13	1.26	—	—
Yarmouth .....	29.898	37.1	35.8	42.6	33.9	58	1898	15	1895	16	1.58	[81]44	[30]44
Clacton-on-Sea .....	29.933	36.8	35.8	43.1	34.1	[58]44	[1903]44	[20]44	[1901]44	12	1.35	[86]*	[31]*
Nottingham .....	29.890	36.5	35.2	44.6	33.3	61	1890	2	1895	17	1.61	[62]44	[23]44
Bath .....	29.905	37.4	36.4	46.2	34.3	[62]44	[1899]44	[16]44	[1902]44	14	2.12	73	26
Oxford .....	29.905	36.7	35.2	45.2	34.0	64	1891	7	1895	14	1.69	76	25
LONDON { Westminster	29.940	38.0	36.5	[46.0]*	[35.3]*	[56]*	[1909, 10]44	[23]*	[1909]*	[15]*	[1.28]*	37	13
LONDON { Kew	29.958	37.4	35.6	44.8	35.1	62	1899	11	1895	14	1.59	60	23
Sumburgh Head .....	29.773	37.8	36.4	42.6	34.1	57	1893	18	1879	25	2.95	—	—
Stornoway .....	29.824	38.4	37.4	45.0	34.1	57	1894, 1907	13	1881	23	3.90	104	29
Castlebay (Barra Isd.) ..	[29.796]44	[41.0]44	[39.3]44	[45.0]44	[33.2]44	[50]44	[1908]44	[28]44	[1909]44	[24]44	[2.47]44	[102]44	[28]44
Malin Head .....	29.850	40.5	39.5	45.9	37.2	[62]44	[1894]44	[25]44	[1900]44	[20]44	[2.35]44	—	—
Blackod Point .....	29.904	43.0	41.3	47.9	38.7	[64]44	[1894, 99]44	[26]44	[1891, 00, 09]44	[24]44	[4.00]44	—	—
Valencia .....	29.957	43.4	41.4	50.4	39.8	66	1899	26	1899, 01	21	4.23	124	34
Roche's Point .....	29.964	42.4	41.4	49.4	39.3	61	1899	27	1899	16	3.02	—	—
Birr Castle .....	29.937	39.2	38.3	49.3	34.6	66	1894	18	1891	17	2.41	110	30
Donaghadee .....	29.912	39.8	38.7	47.2	36.5	64	1892	25	1892, 06	19	2.16	—	—
Liverpool (Observatory) ..	29.932	39.1	37.2	46.8	36.7	65	1884, 94, 07	21	1880	16	1.83	[121]44	[33]44
Holyhead .....	29.922	41.5	40.2	46.9	38.4	67	1894	27	1881	17	2.51	—	—
Pembroke (St. Ann's Hd.) ..	29.940	41.1	40.1	46.5	38.9	58	1899	26	1888, 09	17	2.36	133	36
Scilly (St. Mary's) .....	30.113	44.6	42.1	49.9	42.1	59	1893	30	1883, 90, 01	18	2.28	145	40
Jersey (St. Aubin's) .....	29.935	42.3	40.3	49.7	39.5</								



# DAILY WEATHER REPORT. APPENDIX I.

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

### SECOND QUARTER, APRIL TO JUNE.

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

STATIONS.	PRESSURE. 1906-1910.  7 a.m. Observations (reduced to M.S. Level and to Lat. 46°).	AIR TEMPERATURE.								RAINFALL. 1876-1910.  Days with Rain. Total Fall.		BRIGHT SUNSHINE. 1881-1910.  Average Duration. Per Centage of Possible Duration.	
		Means of				Absolute Extremes.							
		1906-1910.		1876-1910.		1876-1910.							
		Dry Bulb 7 a.m.	Wet Bulb 7 a.m.	Daily Maxi- mum.	Daily Mini- mum.	Maximum.		Minimum.					
						Temp.	Year.	Temp.	Year.				
APRIL.													
Sumburgh Head	29°844	39°8	38°2	45°9	36°9	59	1901	21	1899	19	In.	Hr.	%
Stornoway	29°865	40°6	39°2	49°1	37°2	67	1893	20	1881	18	2°02	159	37
Castlebay (Barra Isd.)	[29°876]44	[42°3]44	[40°5]44	[47°2]44	[39°7]44	[64]44	[1908]44	[27]44	[1908]44	[21]44	[3°26]44	[177]44	[42]44
Malin Head	29°867	42°3	40°9	49°4	40°7	67	1900	26	1908	19	1°00	—	—
Blackod Point	29°914	45°0	43°0	51°4	41°9	71	1893	29	1897	20	2°05	—	—
Valencia	29°955	44°9	43°0	53°4	42°5	70	1892	30	1879, 92, 97, 98, 00	20	3°03	150	39
Roche's Point	29°967	44°2	43°1	52°9	42°2	72	1893	29	1908	16*	2°14	—	—
Birr Castle	29°940	42°7	41°3	54°0	38°1	73	1893	21	1892	18	2°21	153	37
Donaghadee	29°933	41°5	40°1	50°7	40°1	67	1909	28	1908	18	2°07	—	—
Liverpool (Observatory)	29°936	42°3	40°2	52°3	40°1	75	1893	28	1908	14	1°00	[175]44	[42]44
Holyhead	29°926	44°1	42°4	51°0	41°4	75	1893	30	1908	15	2°14	—	—
Pembroke (St. Ann's Hd.)	29°929	43°2	42°0	50°3	41°9	70	1893	29	1908	15	2°11	178	43
Silly (St. Mary's)	30°066	45°9	44°0	52°6	44°7	66	1893	32	1876	16	2°13	181	44
Jersey (St. Aubin's)	29°961	46°2	43°9	54°3	43°6	77	1893	32	1876, 92, 93, 00, 03, 08, 10.	15	2°13	193	47
Portland Bill	29°938	44°1	42°3	51°7	42°3	[65]44	[1901, 04]44	[30]44	[1908]44	13	1°05	—	—
Dunegness	29°922	43°8	42°2	51°5	40°7	67	1901	24	1903	13	[1°34]44	—	—
Dover	[29°944]44	[43°9]44	[42°3]44	[52°0]44	[39°6]44	[65]44	[1909]44	[29]44	[1908]44	[15]44	[1°04]44	[200]44	[40]44
Wick	29°859	40°3	38°5	49°1	36°7	69	1900	20	1905	18	1°06	—	—
Nairn	29°872	39°7	37°5	51°4	38°0	71	1900	18	1908	18	1°45	[144]**	[34]**
Aberdeen	29°890	41°3	39°6	49°5	37°6	74	1900	22	1906	18	2°00	167	37
Leith	29°904	42°2	40°0	52°2	37°8	73	1900	17	1908	14	1°40	—	—
North Shields	29°915	41°0	39°4	49°9	37°7	71	1892	23	1908	15	1°03	—	—
Spurn Head	29°909	42°4	41°0	49°2	40°0	[67]*	[1885]*	[30]*	[1881, 89, 93, 05]*	14	1°10	—	—
Yarmouth	29°921	42°8	40°7	49°4	39°7	72	1885	25	1878	15	1°01	[200]44	[50]44
Clacton-on-Sea	29°936	43°4	41°5	50°7	40°1	[69]44	[1907, 09]44	[29]44	[1903]44	12	1°50	[188]44	[40]44
Nottingham	29°937	42°5	39°8	54°1	37°9	79	1876	23	1888	16	1°03	[152]44	[37]44
Bath	29°960	42°7	40°9	54°8	38°7	[74]44	[1901]44	[26]44	[1906, 08]44	13	2°17	149	36
Oxford	29°965	43°7	41°1	54°9	38°6	80	1893	23	1892	14	1°73	163	37
LONDON { Westminster	29°941	43°0	41°2	[51°9]44	[40°3]44	[72]44	[1907]44	[29]44	[1910]44	[16]44	[1°80]44	121	29
LONDON { Kew	29°967	42°5	40°3	54°7	39°5	73	1900, 01	27	1887, 91	13	1°06	153	37
MAY.													
Sumburgh Head	29°904	43°8	42°1	49°9	40°2	63	1895	27	1877	18	1°01	—	—
Stornoway	29°893	46°4	44°5	53°3	41°2	75	1908	26	1906	19	2°03	192	37
Castlebay (Barra Isd.)	[29°940]44	[48°2]44	[46°1]44	[58°7]44	[45°3]44	[70]44	[1908, 10]44	[32]44	[1909]44	[21]44	[2°45]44	[220]44	[44]44
Malin Head	29°888	46°9	46°0	54°1	44°9	[73]44	[1908]44	[35]44	1886, 91, 97, 04, 06, 10	[18]44	[2°10]44	—	—
Blackod Point	29°899	49°3	47°5	55°9	45°9	[75]44	[1890]44	[34]44	[1910]44	[19]44	[2°87]44	—	—
Valencia	29°915	50°1	48°1	57°6	46°0	74	1884, 95, 97	34	1877, 85, 96	18	3°15	207	43
Roche's Point	29°938	49°7	48°2	57°7	46°3	73	1896	35	1909	15	2°59	—	—
Birr Castle	29°925	50°1	48°0	59°6	42°5	77	1881, 95	28	1877	15	2°29	185	38
Donaghadee	29°929	46°8	45°3	55°8	44°0	70	1896	33	1909	16	2°35	—	—
Liverpool (Observatory)	29°946	49°1	46°7	58°0	45°0	80	1895	30	1883	15	1°99	[239]44	[40]44
Holyhead	29°927	49°7	48°0	58°8	45°6	74	1895	37	1894, 03, 07, 09	14	1°97	—	—
Pembroke (St. Ann's Hd.)	29°926	48°5	47°3	56°0	45°9	72	1890, 1910	34	1879	14	1°94	219	46
Silly (St. Mary's)	30°054	50°2	48°6	56°4	48°2	67	1896	38	1883	13	1°74	231	49
Jersey (St. Aubin's)	29°976	52°4	49°9	59°5	47°9	78	1908	35	1905, 06	13	1°90	244	52
Portland Bill	29°951	49°7	48°1	56°8	46°5	[72]44	[1910]44	[36]44	[1902]44	12	1°47	—	—
Dunegness	29°951	50°3	48°7	57°3	46°0	76	1892	30	1892, 02	12	[1°34]44	—	—
Dover	[29°944]44	[51°6]44	[49°1]44	[58°9]44	[45°7]44	[77]44	[1909]44	[36]44	[1909, 10]44	[12]44	[1°76]44	[256]44	[52]44
Wick	29°897	45°8	43°6	53°8	40°6	71	1891	24	1876	18	2°05	—	—
Nairn	29°897	46°4	44°1	55°6	40°9	78	1885	26	1894	18	1°75	[177]**	[35]**
Aberdeen	29°923	47°5	45°3	54°6	41°7	75	1902	29	1884, 91	17	2°27	187	37
Leith	29°914	48°0	45°6	57°4	42°5	81	1881	27	1883	15	1°83	—	—
North Shields	29°932	48°1	46°1	54°5	42°3	73	1903	29	1891, 09	14	1°91	—	—
Spurn Head	29°935	49°2	47°2	54°6	45°0	[75]*	[1883]*	[34]*	[1891]*	13	1°61	—	—
Yarmouth	29°950	50°2	47°6	55°3	44°9	75	1909	32	1891, 92	14	1°80	[261]44	[54]44
Clacton-on-Sea	29°961	50°7	48°4	56°7	45°1	[75]44	[1909]44	[31]44	[1902]44	10	1°38	[231]44	[48]44
Nottingham	29°953	49°7	48°0	60°2	42°8	82	1895	25	1879	16	1°95	[174]44	[36]44
Bath	29°973	50°9	48°6	61°2	43°8	[79]44	[1884, 1909]44	[29]44	[1902]44	13	2°03	211	44
Oxford	29°976	51°9	48°6	60°9	43°7	83	1895	28	1877	13	1°85	195	41
LONDON { Westminster	29°958	51°2	48°6	[62°3]44	[46°7]44	[81]44	[1909]44	[33]44	[1906]44	[12]44	[1°51]44	171	36
LONDON { Kew	29°973	50°7	48°0	61°1	44°5	84	1895	30	1877	13	1°76	201	42
JUNE.													
Sumburgh Head	29°924	48°0	46°7	54°0	44°9	69	1891	33	1888	15	1°71	—	—
Stornoway	29°951	51°0	48°6	58°4	46°3	76	1893, 02, 05	31	1888	16	2°42	179	34
Castlebay (Barra Isd.)	[29°910]44	[51°0]44	[49°6]44	[67°2]44	[46°1]44	[71]44	[1908, 10]44	[44]44	[1908, 10]44	[14]44	[1°04]44	[209]44	[40]44
Malin Head	29°947	51°5	50°3	58°8	49°3	[78]44	[1905]44	[40]44	[1902, 07]44	[10]44	[2°16]44	—	—
Blackod Point	29°963	53°6	51°7	60°8	51°0	[82]44	[1887]44	[40]44	[1894, 07]44	[17]44	[2°78]44	—	—
Valencia	30°014	54°2	52°2	62°2	51°0	81	1887, 02	38	1903	17	3°37	190	39
Roche's Point	30°016	54°3	52°5	63°0	51°4	80	1876, 87	41	1881	13	3°05	—	—
Birr Castle	29°999	54°4	52°3	64°9	48°7	85	1887	32	1881	15	2°45	165	38
Donaghadee	29°985	51°4	49°8	60°9	49°2	77	1887	36	1880	15	2°34	—	—
Liverpool (Observatory)	29°994	53°5	51°1	63°7	51°1	85	1878, 93	40	1903, 07	14	2°25	[198]44	[40]44
Holyhead	29°980	53°8	52°3	61°2	50°8	83	1878	42	1882	14	2°25	—	—
Pembroke (St. Ann's Hd.)	29°992	52°7	51°4	60°1	51°4	79	1893	38	1888	13	2°04	223	46
Silly (St. Mary's)	30°125	54°4	52°6	61°3	53°2	75	1893	41	1888	14	1°78	238	49
Jersey (St. Aubin's)	30°050	56°7	54°3	64°8	52°9	84	1878, 93	39	1890	12	2°09	239	50
Portland Bill	29°987	54°1	52°4	61°9	52°1	[78]44	[1903]44	[43]44	[1903]44	10	1°51	—	—
Dunegness	29°987	55°3	53°1</										



12.23.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Wednesday,  
1st January, 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	TEMP.		WEATHER.							
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Force (0 to 12).	Weather.		At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.					Dirac.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'd. 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.				
BRITISH ISLANDS.	Lerwick	In.					In.	In.							In.						Hours			
	Stornoway	29.19	44	S	5	r	29.42	+0.1	42	-6	S	5	cq	5	0.32	49	40	cq	oqpm	cqhp	*			
	Castlebay (Barra Isd.)	29.47	41	W	6	opq	29.55	0.0	39	-6	SW	4	b	4	0.33	49	38	or.cq	oq	o.bq	0.0			
	Malin Head	29.66	46	SW	8	cmq	29.69	0.0	38	-11	SW	4	bc	4	0.03	50	37	gam	gqm	gpm	*			
	Blacksod Point	29.70	46	SSW	6	o	29.71	-0.7	43	-8	SSW	4	o	3	0.15	51	41	oqm	oqpm	oqpm	*			
	Valencia	29.86	49	SW	4	o	29.84	-0.1	44	-7	SW	3	c	5	0.09	52	42	bcv	bcv	bcv	3.3			
	Roche's Point	29.93	48	WSW	2	b	29.88	*	42	-7	SW	1	b	3	0.05	52	42	o.c.	cp.b	b.p.c	*			
	Birr Castle	29.82	45	S	1	bc	29.80	*	37	-14	S	2	bc	*	0.06	52	36	bcp	bcp	cp.b	0.0			
	Donaghadee	29.79	44	SSW	3	b	29.79	-0.1	38	-12	SSW	2	b	2	Trace	51	38	bcq	bc	bc	*			
	Liverpool Obsy.	29.92	48	SW	4	c	29.85	-0.2	45	-3	SW	2	r	2	0.05	51	44	qtl	o.cq	op	0.2			
	Holyhead	29.88	49	SW	5	o	29.82	-0.2	45	-4	SW	2	r	1	0.06	50	45	op	oqm	odm	*			
	Pembroke (St. Ann's Hd.)	29.91	49	SW	5	c	29.88	-0.3	47	-2	W	4	bc	6	0.12	54	47	oqm	oqm	oqm	0.0			
	Newquay	30.04	48	S	4	om	29.93	0.0	47	-1	SW	4	c	3	0.11	50	45	c	om	or	0.0			
	Scilly (St. Mary's)	30.03	49	SSW	5	o	29.94	-0.2	49	-1	W	4	cm	4	0.06	51	47	oqm	oqm	cp	0.0			
	Jersey (St. Aubin)	30.21	45	S	3	bc	30.03	*	45	0	S	3	ogdm	3	0.01	47	41	b	bc	bogd	7.0			
	Portland Bill	30.10	49	SSW	6	c	29.94	-0.3	48	-2	SSW	5	r	4	0.04	51	47	cp	c	c.m	*			
	Dungeness	30.17	47	SW	5	bc	30.00	-0.3	42	-5	SSW	5	c	4	-	49	41	bc	bc	bc.c	*			
	Dover	30.20	44	SW	5	o	30.04	*	41	-5	SSW	4	o	4	-	47	39	bc	bc.c	o.bcd	3.3			
ICELAND & FAEROE.	Wick	29.35	43	W	7	bc	29.57	+0.2	38	-9	SSW	3	bc	3	0.02	48	35	cd.bq	bq	cp.b	*			
	Nairn	29.51	44	SW	3	c	29.59	*	40	-10	WSW	1	bc	1	0.09	50	38	bq.b	q.p.c	bcq	0.2			
	Aberdeen	29.54	46	WSW	7	bq	29.68	+0.1	37	-13	SSW	1	b	2	-	52	35	bcbq	bq	bq.b	2.8			
	Leith	29.71	47	SW	5	bc	29.75	+0.2	41	-9	WSW	2	bc	*	0.03	52	41	cap.b	bc	bc	*			
	North Shields	29.83	46	SW	4	c	29.82	0.0	44	-5	SW	1	o	2	-	51	42	c	c	c.o	*			
	Spurn Head	29.92	47	SSW	6	o	29.87	-0.1	45	0	S	5	bc	5	-	47	44	o.cq	o.cq	cp.b	*			
	Yarmouth	30.09	46	SW	2	bc	29.97	-0.2	43	0	SSW	2	r	2	0.02	48	42	bc	bc	bcp	4.1			
	Clacton-on-Sea	30.13	46	SSW	5	c	29.99	-0.6	42	-3	SSW	4	bc	4	-	47	42	bc.c	o.c.	c.b	0.0			
	Nottingham	29.98	48	SW	5	o	29.88	*	46	0	SSW	1	o	*	0.04	49	45	o	o	of	0.0			
	Bath	30.09	49	WSW	3	r	29.92	*	48	0	SW	1	r	*	0.05	52	46	bc.	o.c.	-	0.2			
SCANDINAVIA.	London (Kew Obsy.)	30.14	46	SSW	4	c	29.97	-0.3	43	-4	S	3	o	*	-	50	42	o.c.	o.c.	c.o	0.1			
	Isafjord	29.16	27	NE	7	o	29.32	+0.4	29	-1	NE	8	o	*	*	*	*							
	Reykjavik	29.05	30	-	0	c	29.21	+0.4	25	-4	-	0	b	*	*	*	*							
	Vestmanna	29.07	33	-	0	o	29.23	+0.2	27	-6	-	0	b	4	*	*	*							
	Seydisfjord	28.93	32	W	5	o	29.30	+0.7	30	-2	E	3	bc	*	*	*	*							
	Thorshavn	29.04	41	W	5	c	29.25	+0.2	37	-5	NW	4	bc	*	*	*	*							
	Haparanda	29.72	21	S	2	o	29.23	-1.4	21	+3	SE	4	o	*	0.24	23	18							
	Hernösand	29.51	33	SE	1	S	29.29	+0.1	35	+19	SSW	4	b	*	0.16	36	16							
	Stockholm	29.69	39	WSW	4	r	29.56	0.0	42	+13	W	4	o	*	0.08	41	28							
	Wisby	29.87	40	WSW	4	r	29.77	-0.1	43	+6	SSW	6	bc	*	0.20	43	36							
GERMANY, &c.	Karlstad	29.62	40	SW	4	o	29.60	+0.2	41	+16	SW	4	b	*	0.08	43	25							
	Færder (X'ania Fjord)	29.56	42	SW	8	m	29.62	+0.4	42	+2	SW	7	b	4	0.08	43	39							
	Bodö	29.19	30	E	6	o	29.47	0.0	29	+3	E	6	s	2	7	30	23							
	Christiansund	29.15	45	SW	8	o	29.28	+0.1	40	+1	WSW	7	r	4	0.43	50	39							
	Skudesnaes	29.52	46	WSW	8	c	29.63	0.0	44	0	WSW	6	c	5	0.20	46	41							
	The Scaw (Skagen)	29.76	45	WSW	6	r	29.77	+0.1	43	+2	WSW	4	m	1	0.12	45	41							
	Blaavands Huk	29.96	45	W	7	o	29.92	-0.1	44	+1	W	4	o	3	Trace	45	43							
	Cuxhaven	30.13	42	SW	5	o	30.04	-0.3	36	-5	SW	3	b	*	-	45	36							
	The Helder	30.13	44	SSW	7	c	30.03	-0.2	39	-6	SSW	4	o	3	-	45	37							
	Brussels	30.27	33	WSW	1	b	30.11	-0.6	30	-7	SSE	3	b	*	-	41	29							
FRANCE.	Berlin	30.27	41	W	3	b	30.19	-0.2	33	-9	S	1	b	*	-	45	32							
	Frankfurt	30.37	35	SW	1	bc	30.25	-0.4	32	-7	-	0	f	*	-	45	30							
	Munich	30.50	31	W	2	b	30.38	-0.2	25	-11	-	0	b	*	-	39	23							
	C. Gris Nez	30.21	39	SSE	5	b	30.03	-0.6	33	-13	SSE	4	b	2	-	48	32							
	La Hève	30.18	43	S	3	m	30.07	*	34	-5	SE	3	c	2	-	54	52							
	Brest (St. Mathieu)	30.18	49	SW	3	bc	30.02	-0.2	49	0	NW	3	o	5	0.08	54	48							
	Lorient (Bec Melen)																							
	Rochefort (Ile d' Aix)	30.21	44	ESE	3	b	30.13	*	45	+9	S	3	o	*	-	45	36							
	Biarritz	30.13	50	E	3	b	30.15	*	50	+10	S	3	o	4	-	52	40							
	Paris	30.31	34	SSE	1	o	30.16	-0.3	30	-2	S	1	o	*	-	38	29							
SPAIN, PORTUGAL, &c.	Belfort	30.42	34	E	2	m	30.32	*	28	-4	-	0	b	*	-	41	26							
	Lyons	30.42	34	SSE	1	o	30.32	*	33	0	S	1	b	*	-	37	27							
	Nice	30.42	46	-	0	b	30.33	-0.6	44	+2	-	0	b	0	-	55	42							
	Perpignan	30.38	47	NE	1	o	30.26	-0.4	46	+10	SW	1	o	*	-	51	236							
	Sanguinaire																							
	Corunna (8 a.m.)	30.26	54	E	2	b	30.15	0.0	43	0	S	3	o	7	-	55	37							
Lisbon (9 a.m.)	30.20	51	N	4	b	30.17	+0.1	47	0	N	2	o	6	-	57	47								
Gibraltar	30.13	58	E	4	o	30.11	*	57		E	2	o	2	-	64	47								
Azores (P. Delgada)																								
Azores (Horta)	30.50	54	WNW	2	b	30.43	-0.2	55	-1	WSW	3	o	2	-	61	52								
Madeira (Funchal)	30.23	59	N	3	bc	30.23	+0.1	57	+2	N	3	c	3	-	63	46								

\* Information for these columns not usually received.

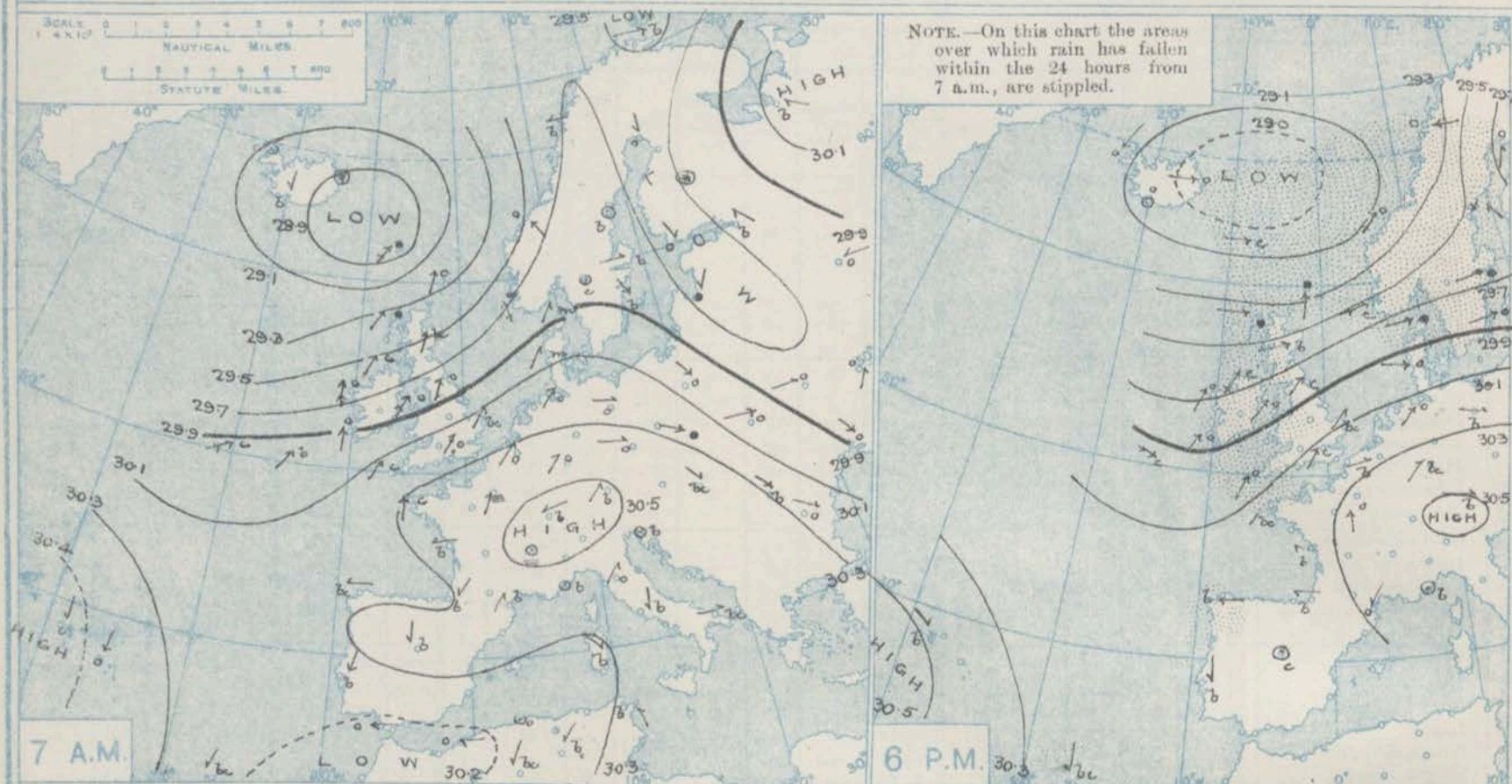
† Received too late for insertion in Charts.

## GALES.

Duration and Extreme Force  
on British Coasts.Malin Head. 9 a.m. - 7 p.m.  
Extreme S.W. 9.Blacksod Point 7 a.m. - 11 a.m.  
Extreme S. 8.Pembroke 8 a.m. - 2 p.m.  
Extreme S.W. 8.Wick. 10 a.m. - 7 p.m.  
Extreme W. 8.Aberdeen.  
6 p.m. Squalls S.W. 8.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 31<sup>ST</sup> DECEMBER.



## GENERAL INFERENCE

## WEATHER PROSPECTS.

The distribution of pressure remains over the United Kingdom favourable to a S.W.<sup>ly</sup> type of weather all

## FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY

0 {  
1  
2 {  
3  
4 {  
5

Wind between S. and S.W.  
fresh at times locally;  
changeable, fair or fine to  
dull, some rain; temperature  
above the normal.

### FORECAST DISTRICTS.



### STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

NO WARNINGS  
ISSUED

6 {  
7 {  
8 {  
9 {  
10 {

Same as Nos. 0 to 5.

## THE FURTHER OUTLOOK. (All districts).

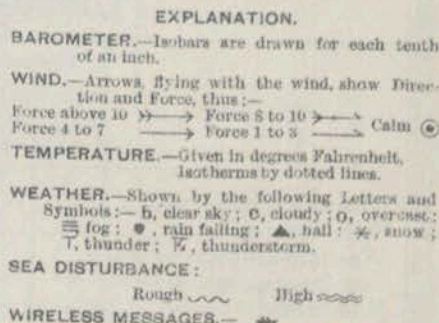
The S.W.<sup>ly</sup> type continuing

## 11 WESTERN CHANNEL AND BAY.

S.<sup>ly</sup> to S.W.<sup>ly</sup> winds, force variable, at times fresh to strong; sea slight to rather rough; fair to dull, some rain; moderate temperature.



## JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

The Continental anticyclone is now receding to the eastward, and the barometer is above 30.3 in. over south eastern France and Bavaria. Pressure is below 29.3 in. from Iceland eastward across Northern Scandinavia. The gradient is moderate to slight.

S.<sup>ly</sup> to S. 88.<sup>ly</sup> winds prevail over nearly all the region under observation, mostly light to moderate in force, but strong or high in Scandinavia. Over the British Isles temperature ranges from 37° at Aberdeen and Birn Castle to 49° at Scilly; on the

Continent from  $25^{\circ}$  at Alunch to  $57^{\circ}$  at Gibraltar; in Scandinavia from  $21^{\circ}$  at Haparanda to  $44^{\circ}$  at Skidsmaes, and in Iceland from  $23^{\circ}$  to  $30^{\circ}$ . At home and abroad the weather varies from fine and clear to overcast and dull. Rain is falling in several parts of England and at Christiansund, snow at Bodö. A rough sea is running off Pembroke, but generally it is moderate, to very smooth.



## DAILY WEATHER REPORT.

Wednesday, 1st January, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
1st 7am	49	12	Mesaba	H	29.94	+0.6	W	4-5	bc						In.	In.		(0-12).	
" "	51	8	Megantic	H	29.90	+0.1	WSW	4-5	c										
31st 6pm	50	12			29.89	+0.3	WNW	8-9	c										
" "	49	17	Mesaba	H	29.89	-0.1	SW	4-5	c										
" 7am	49	21			29.86	+0.2	SSW	6-7	bc										

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.		In.					Hr.	England, S.E.		In.					Hr.
{ Oban ...								{ Ramsgate ...			48	38			3.4
{ Stonehaven ...								{ Margate ...			48	39	bc.c	c.b	1.5
{ St. Andrews ...								{ Deal ...			48	41	bw.bc	og.on	4.5
{ Carnoustie ...								{ Littlestone ...							4.8
England, N.E.								{ Folkestone ...			48	40	bc	c	4.0
{ Harrogate ...			47	42	o.c	o.bc	0.0	{ Hastings ...			49	44	b.bc	c.b	4.0
{ Scarborough ...			49	40	o.c	o.c	0.0	{ Bexhill-on-Sea ...			48	45	b.o.bc	c.b.bc	4.5
England, N.W.								{ Eastbourne ...			49	45	b.bc	bc.o	3.7
{ Blackpool ...		0.04	49	47	o.r	cg	0.0	{ Seaford ...			49	45	c.bc	bc.b	2.4
{ Southport ...		0.03	49	45	o.bcm.r	o.bce	0.1	{ Brighton ...			49	44	c.bf.c	c.bf.b	0.7
{ Buxton ...		0.03	45	40	bc	bc.r	0.0	{ Worthing ...			49	46	b	b	1.1
{ Matlock ...								{ Littlehampton ...							
{ Douglas ...								{ Bognor ...							
Wales.								{ Southsea ...			50	44	o.c.b	c.b.c	0.2
{ Rhyl ...		0.01	47	44			0.5	{ Bournemouth ...			50	42	o	o	0.1
{ Colwyn Bay ...		0.03	52	47	pg.bc	o.bc	0.0	England, S.W.							
{ Llandudno ...			52	48	c.b	b	1.9	{ Weymouth ...			51	47	cp	bc	0.1
{ Bettws-y-Coed ...			49	41	o	o	0.0	{ Teignmouth ...			52	45	bc	cp	1.8
{ Aberystwyth ...		0.05	49	46	r.o.c	c.o.r	0.0	{ Torquay ...			52	45	c	c.o	2.1
England, E.								{ Paignton ...		0.03	52	42	bc	bc	2.5
{ Walton-on-Naze ...			47	44	b.bc	bc.c	0.3	{ Weston-super-Mare ...			50	43	c.bc	o	0.2
{ Lowestoft ...			48	39	c.bc	o.c	2.2	{ Ilfracombe ...		0.06	51	45	o	o.d	0.0
{ Felixstowe ...			48	40	cg.m	cg.m	0.1								
{ Southend-on-Sea ...			49	40	bc	bc	0.6								

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.			Sun-shine for Yesterday.	
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.			
			Max.	Min.														Max.		Min.
24 HOURS ENDED 9 A.M. TO-DAY.																				
	%	%	"	"	"	In.				Hr.		In.	"	"	"				Hr.	
Greenwich (Royal Obs.) ...	83	84	50	40	32	-	c.bc	o.c.bc	o.c.o	0.3	Dublin to 4 p.m.	0.03	51	48	45	o.g.p	c.b	c.b	"	
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	"	0.2	Plymouth to 9 p.m.									
Westminster (St. James's Pk.)	79	83	51	43	40	-	lc	bc	bc.b	0.1	Darwen	0.05	46	42	40	sur	c	c	0.0	
Camden Sq. (Brit. Rainfall)	82	87	50	42	38	-	o.c	o	b.o.d	0.0	Manchester	"				"				
Hampstead (Reservoir) ...	"	91	47	41	32	0.01	c	c	c.or	0.0	Birmingham	"	-	46	42	34	o	o	o	
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.											Oxford to 8 p.m.	-	50	41	35	c.b.og	o.g.c	c.o	"	
For Kew see front page.											S. Kensington (Museum Grounds to 8 p.m.)	-	50	43	33	b.c.o.c	c.o	o.c	"	
S. Kensington (Roof of M.O.)	83	86	160 Joules		Average Rate. Milliwatts		5.5		Max. Rate. Milliwatts		21	0.2								

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

1st January 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 8.6 8.6	G.M.T. 11.57 11.57	G.M.T. 3.48 3.48
Greenwich ...	8.8 8.8	12.4 12.4	4.0 4.0
Wick ...	9.5 9.5	12.16 12.16	3.27 3.28
Valencia ...	8.51 8.51	12.45 12.45	4.38 4.39

NOTES ON YESTERDAY'S WEATHER.

Temperature exceeded 50° in many parts of the British Islands during yesterday, and touched 54° at St. Ann's Head. Small quantities of rain fell in many places, and at Liverpool there was thunder and lightning. The duration of bright sunshine varied greatly, from none in many localities to 7 hours at Jersey. A gale from between South and West was felt locally in the west and north. As far west as the 25th meridian ships experienced southerly to easterly winds, moderate to a gale, with fine to cloudy weather.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. equals; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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12.22.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Thursday  
2nd January 1913.

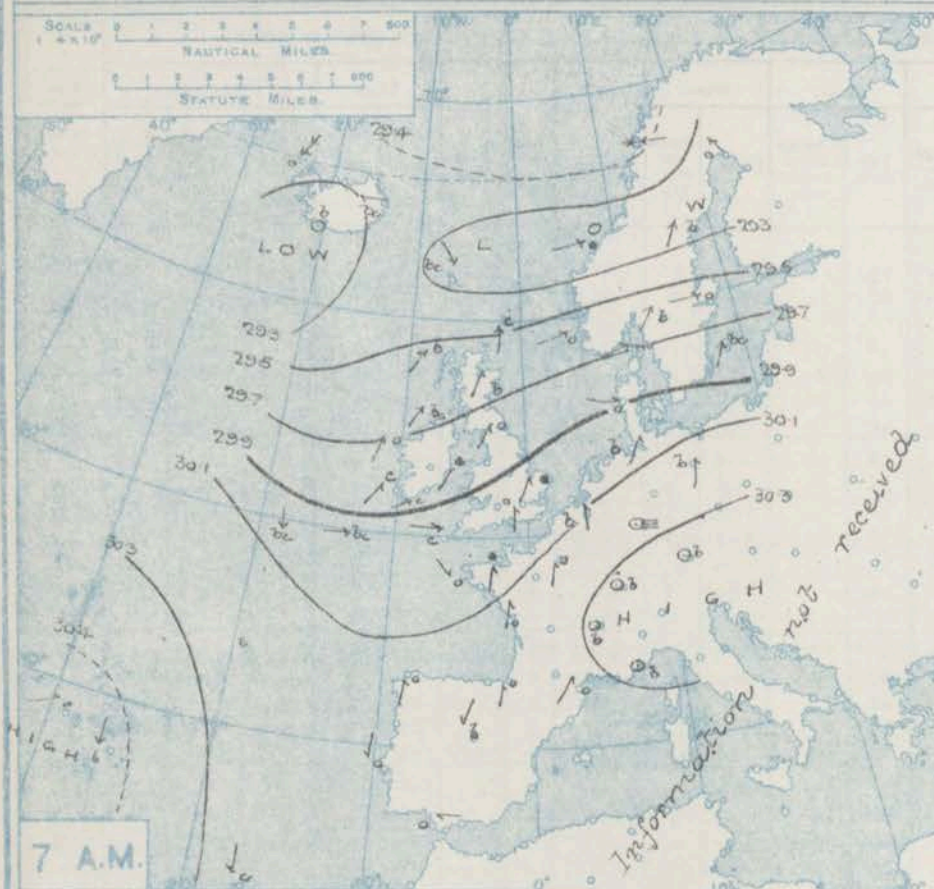
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.						
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Force (0 to 12).	Weather.		At 32° Fahr. and M.S.L. Lat. 45°.	Change since 7 a.m.	Dry Bulb.	Change since Yester- day.						Direc.	Force (0 to 12).	Weather.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.	
BRITISH ISLANDS.	Lerwick ... ..	In. 29.47	43	SW	3	bc	In. 29.59	+0.12	39	-3	SSW	2	bc	2	In. 0.37	43	37	bchpq	bcp	bcp	Hour			
	Stornoway ... ..	29.57	40	SW	4	bcp	29.58	-0.01	43	+4	SW	6	r	5	0.19	43	35	bcp	bcp	bcp	0.3			
	Castlebay (Barra Isd.)																							
	Malin Head... ..	29.67	41	SW	5	cpm	29.67	-0.05	39	+1	S	5	cp	3	0.04	46	37	cp	bemgq	cpm	*			
	Blacksod Point ...	29.73	44	SW	3	c	29.51	-0.22	47	+4	SW	7	o	5	0.06	47	41	cpm	cpm	oappm	*			
	Valencia ... ..	29.87	44	WSW	3	b	29.60	-0.27	48	+4	SSE	5	c	5	0.03	49	41	bcpv	bcpv	cpm	*			
	Roches Point ... ..	29.90	43	W	2	b	29.74	*	48	+6	SW	4	c	4	0.01	48	40	b	b	bcp	*			
	Birr Castle ... ..	29.80	39	SW	1	bc	29.68	*	40	+3	SE	3	c	*	0.02	44	34	cp	bc	c	0.0			
	Donaghadee ... ..	29.77	38	SSW	1	b	29.76	+0.01	38	0	SSW	2	bc	1	-	43	34	bc	bc	bc	*			
	Liverpool Obsy. ...	29.84	41	WSW	2	b	29.87	-0.03	36	-9	SSE	3	b	1	0.03	46	35	oap	bc	bc	0.9			
	Holyhead ... ..	29.82	48	SW	4	bc	29.81	-0.01	45	0	SSW	4	b	3	0.01	49	43	bc	bc	bc	*			
	Pembroke (St. Ann's Hd.)	29.90	46	W	5	bc	29.85	-0.05	46	-1	SSW	5	cp	5	0.04	49	44	c	cp	cp	1.7			
	Newquay ... ..	29.95	47	WSW	4	b	29.91	-0.04	40	-7	S	2	bc	4	0.04	50	37	cp	cp	cp	1.1			
	Scilly (St. Mary's) ...	29.97	47	W	3	bc	29.90	-0.07	47	-2	SSW	4	bcp	4	0.04	50	45	bc	bc	bc	3.1			
	Jersey (St. Aubin) ...	30.02	48	SW	3	op	30.03	*	37	-8	WSW	3	cpm	3	0.11	50	36	sur-cm	opm	bm-cm	0.0			
	Portland Bill ... ..	29.93	49	W	4	c	29.97	-0.04	48	0	SW	2	bc	3	0.04	50	46	rm-c	c	bcp	*			
	Dungeness ... ..	29.92	47	SSW	4	c	30.01	+0.09	40	-2	W	1	b	2	-	48	37	c-cp	od-c	bc-bx	*			
	Dover ... ..	29.95	46	WSW	3	o	30.04	+0.09	38	-3	W	1	b	2	0.03	46	35	oc	p-o	c-bmx	0.3			
	Wick ... ..	29.57	36	SSW	2	bc	29.65	+0.08	37	-1	SSW	1	b	2	-	41	33	bc	bc	bx	*			
	Nairn ... ..	29.61	38	W	1	b	29.66	*	33	-7	-	0	bc	1	-	45	29	b-bc	bc	bc	3.2			
Aberdeen ... ..	29.65	40	SW	3	bc	29.73	+0.08	31	-6	-	0	b	2	-	41	31	bxz	b-bz	bc-bx	1.8				
Leith ... ..	29.63	41	WSW	2	bc	29.78	+0.15	41	0	WSW	2	b	*	-	44	39	c-bc	b-bc	b	*				
North Shields ... ..	29.76	42	SW	2	cp	29.85	+0.09	35	-9	SSW	2	cx	2	-	45	33	cp	cp	g-c	0.0				
Spurn Head ... ..	29.81	43	SSW	4	c	29.90	0.09	37	-8	SW	4	bv	4	Trace	46	36	c-cm	cpm	bc-bm	*				
Yarmouth ... ..	29.87	43	SSW	2	c	29.97	+0.10	36	-7	SSW	2	bc	2	0.04	44	35	c-o	od-c	bcp	0.0				
Clacton-on-Sea ... ..	29.84	45	SW	2	o	30.00	+0.16	38	-4	WSW	1	b	1	-	46	37	bc-c	c-o	om-b	2.3				
Nottingham... ..	29.85	43	SW	2	b	29.93	+0.08	32	-14	SW	1	b	*	0.01	47	32	sm	op-c	b	0.0				
Bath ... ..	29.94	44	SW	1	r	29.98	*	32	-16	NE	1	b	*	0.03	50	31	c-o	a-c-r	-	0.5				
London (Kew Obsy.)...	29.93	46	W	2	o	30.01	+0.08	33	-10	-	0	bfx	*	0.02	48	32	od-cm	od-m-o	c-bfx	0.0				
ICELAND & FAEROE.	Isafjord... ..	29.40	25	NE	8	o	29.10	-0.30	31	+2	E	9	o	*	*	*	*	*	*	*				
	Reykjavik ... ..	29.25	27	E	3	c	28.72	-0.53	35	+10	E	8	r	*	*	*	*	*	*	*				
	Vestmanna ... ..	29.29	33	E	4	bc	28.80	-0.49	37	+10	E	9	r	3	*	*	*	*	*	*				
	Seydisfjord ... ..	29.46	26	N	3	c	29.42	-0.04	25	-5	N	2	o	*	*	*	*	*	*	*				
	Thorshavn ... ..	29.37	35	-	0	c	29.49	-0.02	39	+2	SSW	4	o	*	*	*	*	*	*	*				
SCANDINAVIA.	Haparanda ... ..	29.35	19	E	2	o	29.21	-0.14	25	+4	-	0	b	*	0.12	25	19	*	*	*				
	Hernösand ... ..	29.44	16	-	0	b	29.43	-0.01	24	-11	N	2	b	*	-	37	16	*	*	*				
	Stockholm ... ..	29.63	41	WSW	2	o	29.67	-0.04	39	-3	WSW	2	o	*	-	43	37	*	*	*				
	Wisby ... ..	29.77	41	SW	4	s	29.63	-0.14	39	-4	SSW	2	r	*	Trace	43	37	*	*	*				
	Karlstad ... ..	29.61	40	W	2	bc	29.54	-0.07	38	-3	SW	2	o	*	-	43	37	*	*	*				
	Färder (X'ania Fjord)	29.62	41	SW	4	bc	29.59	+0.03	38	-4	WSW	3	b	3	-	43	37	*	*	*				
	Bodö ... ..	29.00	39	SW	6	r	28.91	+0.09	40	+11	SW	5	r	6	?	40	?	*	*	*				
	Christiansund ... ..	29.38	39	SW	6	r	29.48	+0.10	40	0	SW	6	r	5	0.63	43	37	*	*	*				
	Skudesnaes ... ..	29.64	43	W	4	b	29.64	+0.00	42	-2	WNW	6	c	4	-	45	39	*	*	*				
	The Scaw (Skagen)...	29.72	43	SW	3	m	29.66	+0.06	41	-2	WNW	4	bc	1	0.24	45	41	*	*	*				
Blaavands Huk ... ..	29.81	41	SW	3	r	29.84	+0.03	42	-2	WNW	3	c	3	0.39	45	39	*	*	*					
GERMANY, &c.	Cuxhaven ... ..	29.89	33	S	2	b	29.94	+0.05	39	+3	SW	2	m	*	-	41	34	*	*	*				
	The Helder ... ..																							
	Brussels ... ..	30.01	42	SSW	4	r	30.07	+0.06	41	+11	S	1	o	*	0.04	42	29	*	*	*				
	Berlin ... ..	30.03	34	S	2	b	30.03	+0.00	37	+4	S	2	o	*	-	39	32	*	*	*				
	Frankfurt ... ..	30.15	31	-	0	bc	30.15	+0.00	34	+2	SW	1	f	*	-	39	30	*	*	*				
Munich ... ..	30.21	33	SSE	1	b	30.23	+0.02	29	+4	SW	2	f	*	-	37	25	*	*	*					
FRANCE.	C. Gris Nez... ..	29.94	47	S	3	o	30.04	+0.10	44	+11	W	2	b	2	0.12	46	33	*	*	*				
	La Hève ... ..	30.01	40	SW	5	f	30.01	*	41	+7	SW	1	o	1	0.04	46	34	*	*	*				
	Brest (St. Mathieu) ...	30.06	50	NW	2	c	30.03	-0.03	48	-1	SE	3	b	5	-	52	45	*	*	*				
	Lorient (Bec Melen)...	30.01	48	S	2	o	29.97	*	44	0	ENE	2	b	4	0.32	52	41	*	*	*				
	Rochefort (Ile d'Aix) ...	30.08	47	S	3	o	30.04	*	45	0	S	3	o	*	Trace	50	45	*	*	*				
	Biarritz ... ..	30.13	52	NE	2	o	30.11	*	48	0	SSE	3	b	4	-	57	46	*	*	*				
	Paris ... ..	30.08	40	SSW	1	o	30.08	0.00	40	+10	-	0	o	*	-	43	30	*	*	*				
SPAIN, PORTUGAL, &c.	Belfort ... ..	30.19	40	W	4	m	30.19	*	39	+11	-	0	o	*	-	50	22	*	*	*				
	Lyons ... ..	30.17	46	S	1	c	30.17	*	42	+9	-	0	r	*	0.08	52	33	*	*	*				
	Nice ... ..	30.22	51	-	0	o	30.12	-0.02	48	+4	E	3	r	5	Trace	54	44	*	*	*				
	Perpignan ... ..	30.15	53	SE	1	r	30.07	0.00	50	+4	NE	2	r	*	1.65	55	46	*	*	*				
	Sanguinaire ... ..	30.10	54	E	3	c	30.03	*	54	+4	ESE	2	o	2	0.67	57	46	*	*	*				
	Corunna (8 a.m.) ... ..	30.12	53	S	3	o	30.08	0.00	41	-2	S	3	b	8	0.12	54	36	*	*	*				
	Lisbon (9 a.m.) ... ..																							
Gibraltar ... ..	30.11	55	E	2	c	30.09	*	53	-4	E	2	bc	2	0.04	65	53	*	*	*					
Azores (P. Delgada)																								
Azores (Morta) ... ..	30.16	59	SW	4	c	30.15	-0.01	60	+5	WSW	5	o	3											

\* Information for these columns not usually received.

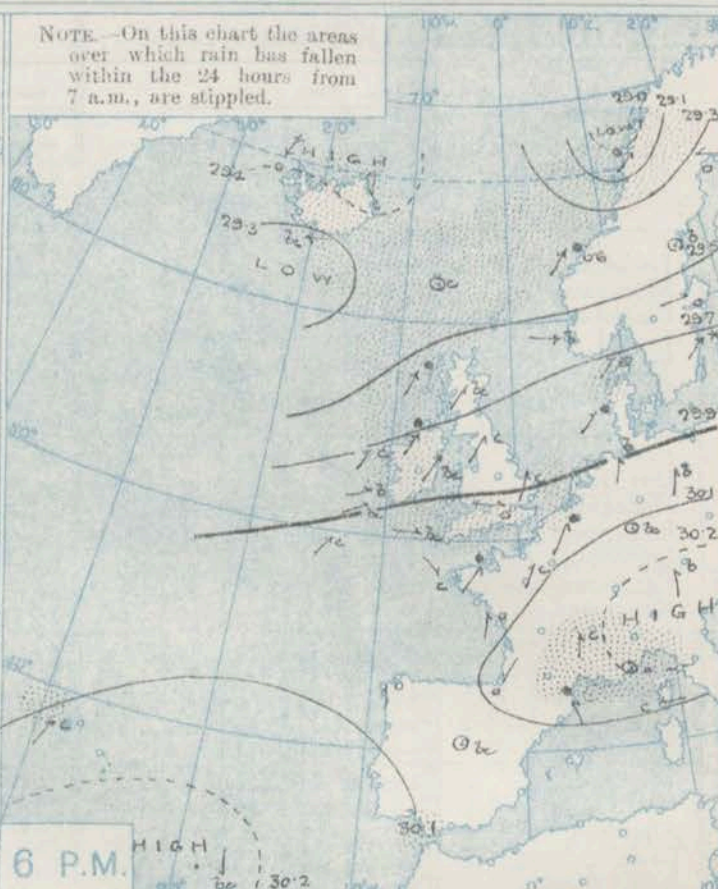
†



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 1<sup>st</sup> JANUARY



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



## GENERAL INFERENCE

A large and deep depression on the Atlantic will occasion a general

## WEATHER PROSPECTS.

increase of wind over this country, with a changeable type of weather.

## FORECASTS FOR THE 24 HOURS NOON THURSDAY

Same as obs. 6 to 10.

## TO NOON FRIDAY.

0  
1  
2  
3  
4  
5

Calms and light breezes between S.W. and S, freshening considerably later; fine at first, then less settled, some rain; temperature rising.

## FORECAST DISTRICTS.



## STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.

South Cone.

North Cone.

Signals hoisted this morning.

South Cone.

North Cone.

South Cone hoisted at 8:30 a.m.

6  
7  
8  
9  
10

Increasing S.W. and S.E. winds, strong to a gale in places; fair to dull, squally, some rain and mist; mild.

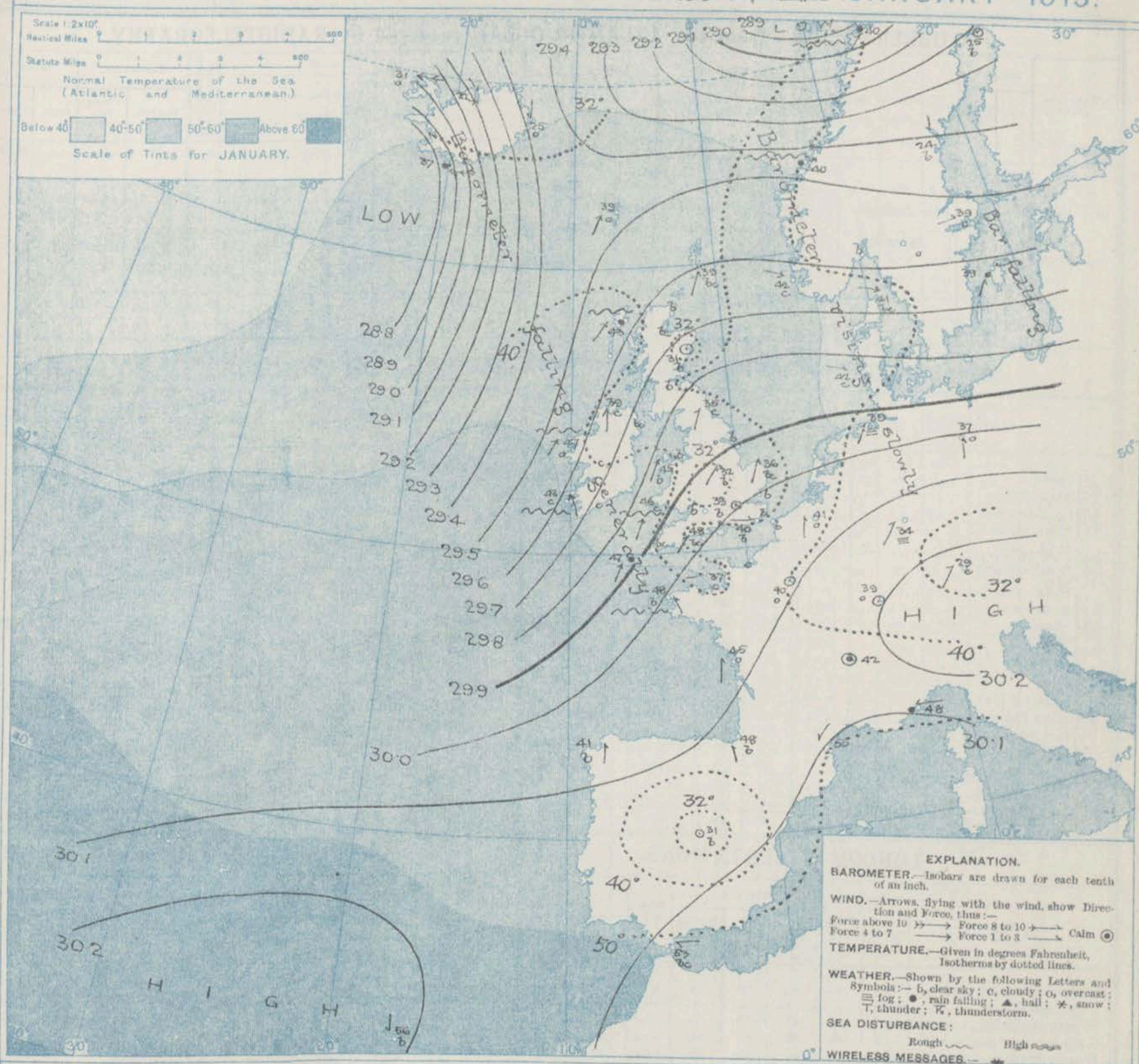
## 11 WESTERN CHANNEL AND BAY.

Increasing S.W. and S.E. winds, strong to a gale later; sea slight to rough, some rain and mist; mild.

## THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. THURSDAY, 2<sup>ND</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

The recent high pressure system is passing to southeastern Europe, and the highest barometer reading reported this morning is above 30.2 in. over Bavaria. In a deep depression off the northwest of Norway pressure is at 28.9 in., and in a deeper one to the southward of Iceland it is below 28.5 in. The gradient is steep on the upper Atlantic and along the Arctic Circle, moderate to very slight elsewhere.

An E. gale to a strong gale is reported over western Ireland; in other regions the

direction is between S.E. and S., very light to moderate in force in most places, a strong wind at Stornoway and on the Norwegian coast, a high wind at Blacksod Point.

At the home stations temperature ranges from 31° at Aberdeen to 47° or 48° on our southwestern coasts; on the Continent from 29° at Munich to 53° at Gibraltar; in Scandinavia from 24° at Hernösand to 42° at Skudsmoes; and in Iceland from 22° to 37°. The weather is fine in most parts of England and Eastern Scotland, but in most other regions it is cloudy to dull, with rain in the Hebrides, southern France and in various parts of Scandinavia and Iceland, snow in the north of Iceland.



## DAILY WEATHER REPORT.

Thursday, 2nd January, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
1st 6 p.m.	51	10	Arabic	O	29.86	+0.1	WSW	4-5	bc										
" "	49	13	Vaderland	H	29.99	-0.5	SW	4-5	c										
" 7 a.m.	49	17			30.09	+0.1	N	4-5	bc										

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.		In.					Hr.	England, S.E.		In.					Hr.
{ Oban ...								{ Ramsgate ...			47	38	*	*	2.3
{ Stonehaven ...								{ Margate ...			46	36			2.3
{ St. Andrews ...								{ Deal ...			47	38	bc	ce	2.3
{ Carnoustie ...								{ Littlestone ...			*	*	*	*	0.3
Eng. N.E.								{ Folkestone ...		0.01	47	42	bc	od	0.3
{ Harrogate ...		0.01	44	39	o	o-c	0.0	{ Hastings ...		0.02	47	42	bc	od	0.3
{ Scarborough ...		*	46	42	o-c	o	0.0	{ Bexhill-on-Sea ...		0.01	48	43	bc	od	0.3
England, N.W.								{ Eastbourne ...		0.02	50	47	od	od	0.3
{ Blackpool ...								{ Seaford ...		0.02	48	43	od	od	0.3
{ Southport ...		0.31	46	43	bc	bc	1.0	{ Brighton ...		0.02	48	43	od	od	0.3
{ Buxton ...		0.03	43	40	bc	bc	0.0	{ Worthing ...		0.02	48	47	od	od	0.3
{ Matlock ...								{ Littlehampton ...		*	*	*	*	*	0.3
{ Douglas ...								{ Bognor ...							0.3
Wales.								{ Southsea ...		0.04	49	44	od	od	0.3
{ Rhyl ...		0.06	48	38	bc	bc	1.8	{ Bournemouth ...		0.04	50	46	o	o	0.3
{ Colwyn Bay ...		0.09	47	43	bc	bc	1.8	{ Weymouth ...		0.11	50	47	ce	o	0.3
{ Llandudno ...		0.12	47	42	bc	bc	2.4	{ Teignmouth ...		0.02	51	46	bc	bc	0.3
{ Bettws-y-Coed ...		*	50	41	bc	bc	1.2	{ Torquay ...		0.03	50	46	bc	bc	0.3
{ Aberystwyth ...		0.06	47	46	bc	bc	0.5	{ Paignton ...		0.04	50	45	bc	bc	0.3
England, E.								{ Weston-super-Mare ...		0.08	48	45	bc	bc	0.3
{ Walton-on-Naze ...			45	43	bc	bc	2.4	{ Ilfracombe ...		0.09	49	44	bc	bc	1.2
{ Lowestoft ...		0.01	44	42	bc	bc	0.1								
{ Felixstowe ...		0.01	45	40	bc	bc	2.5								
{ Southend-on-Sea ...			46	39	bc	bc	2.0								

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.		Humidity.	TEMPERATURE.		Rainfall.	WEATHER.		Sunshine for Yesterday.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine for Yesterday.
			In Screen.	Min. on Grass.		Forenoon.	Afternoon.					In Screen.	Min. on Grass.	Night.	Forenoon.	
		3 p.m. Yesterday.	9 a.m. To-day.	Max.	Min.	24 HOURS ENDED 9 A.M. TO-DAY.		Hr.			In.	Max.	Min.	Night.		Hr.
Greenwich (Royal Obs.) ...		92	98	47	42	26	0.01	0.0d	Dublin to 4 p.m.		45	41	37	cg	bc	0.3
City (Bunhill Row) ...		*	*	*	*	*	*	0.0	Plymouth to 9 p.m.		0.18	50	43	bc	bc	0.3
Westminster (St. James's Pk.)		92	98	48	33	30	0.01	r	Darwen "		0.04	44	38	c	od	0.3
Camden Sq. (Brit. Rainfall)		92	98	48	31	29	0.02	od	Manchester "		0.07	46	38	r	o	0.3
Hampstead (Reservoir) ...		*	93	45	35	20	0.02	cm	Birmingham "		0.01	47	42	bc	bc	0.3
									Oxford to 8 p.m.					od	od	
For Kew see front page.									S. Kensington		0.01	48	42	bc	bc	0.3
S. Kensington (Roof of M.O.)		92	91	103				0.0	(Museum Grounds to 6 p.m.)					od	od	

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

2nd & 3rd Jan, 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.6	11.57	3.48
	8.6	11.58	3.49
Greenwich ...	8.8	12.4	4.0
	8.8	12.5	4.1
Wick ...	9.5	12.16	3.28
	9.4	12.17	3.29
Valencia ...	8.51	12.45	4.39
	8.51	12.46	4.40

During yesterday temperature did not exceed 41° at Aberdeen, and 38° at London, but in the south it touched 50° or 51° at several stations. Slight frost occurred in the night in a few places. Most parts of the country had small quantities of rain. Several localities had no bright sunshine, and only rain. Seilly and Valencia had about 3 hours. As far west as the 15th meridian ships experienced moderate to fresh South-Easterly winds and fair weather.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Friday,  
3rd January, 1913.

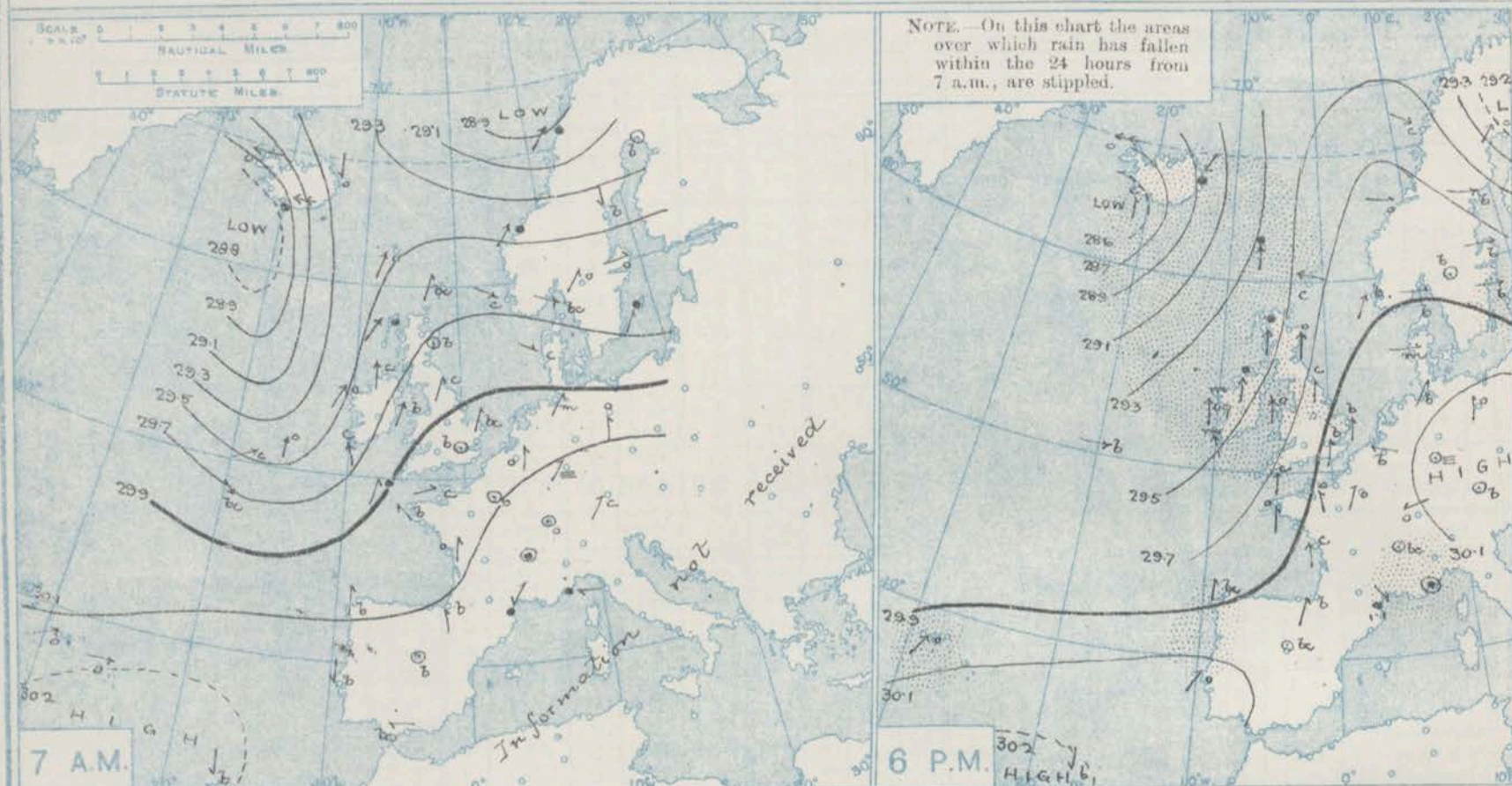
3rd January, 1913.																									
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Show- ing for Yester- day.	
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	TEMP.		WEATHER.								
		At 32° Fabr. and M.S.L. Lat. 45°.	Dry Bulb.	Direc.	Force (0 to 12).		Weather.	At 32° Fabr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.					Change since Yester- day.	Direc.	Force (0 to 12).	Weather.	Rain- fall.	Max.	Min.	Morn'g 1 a.m. to 1 p.m.	Aftern'n 1 p.m. to 6 p.m.		Night 6 p.m. to 7 a.m.
BRITISH ISLANDS.	Lerwick	In.					In.	In.							In.									Hours	
	Stornoway	29.59	43	ESE	5	c	29.52	-0.2	45	+6	SSE	5	0	4	0.01	45	36	bcu	cg	angd			*		
	Castlebay (Barra Isd.)	29.41	46	S	7	otq	29.47	+0.6	41	-2	SW	3	0	2	0.37	46	40	clq	ang	angbc			0.0		
	Malin Head		45	S	6	cgd	29.53	+0.9	41	+2	S	3	bc	3	0.06	46	39	cgq	orgd	od			*		
	Blacksod Point	29.44	47	S	5	m	29.52	+0.1	42	-5	SW	2	bc	3	0.68	49	41	orgm	upm	opm			*		
	Valencia	29.43	46	SSE	4	m	29.60	+0.0	41	-7	S	2	b	5	0.62	49	38	orgm	omr	mrbc			0.0		
	Roche's Point	29.51	48	SSW	8	r	29.66		40	-8	WSW	1	b	5	0.30	49	38	ome	omr	r-b			*		
	Birr Castle	29.48	47	SE	4	0	29.60		38	-2	SSE	1	bc		0.10	47	37	c	c	otbx			0.0		
	Donaghadee	29.57	46	SSW	3	c	29.60	+0.5	42	+4	SSW	2	c	1	0.11	47	38	cg	c	cgom			*		
	Liverpool Obsy.	29.76	41	SE	3	c	29.71	-0.1	42	+6	ESE	3	0	3	Trace	43	35	bm	bm	omr			2.9		
	Holyhead	29.67	46	S	6	0	29.69	+0.0	47	+2	S	4	r	3	0.14	47	44	op	opm	omr			0.8		
	Pembroke (St. Ann's Hd.)	29.70	48	SSW	6	bc	29.65	-0.1	46	0	NW	3	cg	4	0.11	50	46	cg	cg	cgq			0.8		
	Newquay	29.75	46	SSE	4	b	29.72	+0.5	44	+4	W	1	b	5	0.04	49	41	bcp	bcp	bcp			3.0		
	Scilly (St. Mary's)	29.67	50	S	5	cg	29.72	+0.6	48	+1	W	3	bc	4	0.05	50	45	cgpm	cg	cgpm			1.0		
	Jersey (St. Aubin)	29.93	47	SSE	3	om	29.89		47	+10	SSE	4	om	3	Trace	49	35	om	omom	bmom			0.6		
	Portland Bill	29.86	48	S	4	b	29.81	+0.0	49	+1	S	5	c	4		50	47	bc	bc	bc c			*		
	Dunegness	29.94	47	SSE	3	0	29.90	+0.1	47	+7	S	4	c	4	Trace	49	38	bc	bc	bc c			*		
	Dover	29.94	45	S	2	0	29.95		45	+7	S	4	0	6	0.01	46	36	bcb	bcb	odbc			3.0		
	ICELAND & FAEROE.	Wick	29.51	43	S	8	c	29.49	+0.2	44	+7	SSW	3	c	4		45	27	bcb	bcb	cg			*	
		Nairn	29.51	45	SSW	3	0	29.50		44	+11		0	0	1	Trace	46	31	ge	gog	go			0.0	
Aberdeen		29.67	43	S	4	0	29.61	+0.0	43	+12	SSE	4	r	3	0.02	44	31	bcb	cg	od			0.0		
Leith		29.66	46	SSW	2	0	29.61	+0.1	45	+4	SSW	2	bc			46	39	bcb	bc	bc c			*		
North Shields		29.78	36	S	2	0	29.74	-0.1	39	+4	S	3	0	2		41	33	cg	cg	bc c			0.0		
Spurn Head		29.87	40	SSE	5	b	29.83	-0.1	41	+4	SSE	5	fa	5	0.01	43	36	bc	bc	bc c			*		
Yarmouth		29.97	41	S	1	b	29.95	+0.0	43	+7	S	3	c	3	0.05	44	36	bcb	bcb	bc c			4.8		
Clacton-on-Sea		29.96	45	S	2	bc	29.92	+0.0	44	+6	SSE	3	bc	2	0.02	48	37	b	bcb	bc c			5.0		
Nottingham		29.87	40	S	3	b	29.82		41	+9	SSE	3	b			44	31	bm	bm	b			2.2		
Bath		29.87	43	SSW	1	b	29.82		47	+15	S	3	0			48	32						1.3		
SCANDINAVIA.	London (Kew Obsy.)	29.93	41	S	2	b	29.90	+0.1	38	+5		0	bcmx		0.06	46	29	bcmx	bcmx	bc c			3.0		
	Isafjord	28.73	35	E	9	0	28.61	+0.5	30	-1	NE	3	0												
	Reykjavik	28.47	39	S	3	0	28.67		30	-5	SW	3	b												
	Vestmanna	28.58	41	E	4	c	28.77	+0.4	35	-2	SW	5	c	4											
	Seydisfjord	28.91	36	NE	5	r	28.75	+0.5	41	+16	S	5	b												
	Thorsbavn	29.29	43	S	6	r	29.23	+0.5	44	+5	SSW	5	c												
	Haparanda	29.19	28	SW	6	0	29.76	+22	19	-6		0	b			28	19								
	Hernösand	29.63	34	W	4	b	29.95	+10	31	+7		0	bc			36	19								
	Stockholm	29.77	33	W	2	b	30.06	+0.8	28	-11	W	2	b			49	28								
	Wisby	29.84	41	W	2	b	30.10	+0.8	36	-3	NW	2	b			41	36								
GERMANY, &c.	Karlstad	29.86	30		0	b	30.10	+0.4	23	-15		0	b			39	23								
	Færder (X'ania Fjord)	29.84	38	WNW	2	b	30.05	+0.4	32	-6	NNE	1	f			39	32								
	Bodö	29.52	37	WNW	7	c	29.86	+0.8	33	-7	W	4	m	2		41	32								
	Christiansund	29.80	39	W	3	0	29.80	-0.2	37	-3	SE	2	c	3		40	34								
	Skudesnaes	29.87	41	SSW	4	b	29.91		42	0	S	6	0	4		43	36								
	The Scaw (Skagen)		41	W	3	b	30.09	+0.5	40	-1	SW	3	c	0		45	36								
	Blaavands Huk	30.00	41	W	1	m	30.09	+0.3	41	-1	SSW	3	c	2		43	39								
	Cuxhaven	30.08	39	SW	2	b	30.11	+0.1	36	-3	SE	2	bc			43	36								
	The Helder																								
	Brussels	30.02	41	ESE	1	b	30.02	+0.1	42	+1		0	f			44	38								
FRANCE.	Berlin	30.14	38	S	1	0	30.20	+0.3	39	+2	SE	2	f			45	37								
	Frankfurt	30.11	39		0	f	30.11	+0.1	39	+5		0	0			43	34								
	Munich	30.17	31		0	b	30.20	+0.1	24	-5	SSW	2	f			39	23								
	C. Gris Nez	29.98	44	ESE	3	c	29.95	+0.1	43	-1	SE	2	bc	1		48	43								
	La Hève	29.94	43	S	3	0	29.92		41	0	SE	3	c	2		46	34								
	Brest (St. Mathieu)	29.86	49	S	4	0	29.81	+0.1	48	0	WNW	3	0	5		52	46								
	Lorient (Bec Melen)																								
	Rochefort (Ile d' Aix)	29.99	47	SSE	3	c	29.97		43	-2	SSE	3	m			50	43								
	Biarritz	29.99	50	SSW	2	b	30.01		48	0	S	3	b	4		55	45								
	Paris	30.02	43	SSW	1	0	30.00	+0.2	39	-1	SSW	1	f			44	38								
SPAIN, PORTUGAL, &c.	Belfort	30.09	41	ENE	2	0	30.09		32	-7		0	f			48	32								
	Lyons	30.06	46		0	bc	30.09		38	-4		0	0		0.08	51	36								
	Nice	30.05	47		0	r	30.06	+0.1	45	-3		0	0	3	0.12	56	45								
	Perpignan	30.01	50	NW	1	r	29.99	+0.2	46	-4	NW	1	0		1.06	51	43								
	Sanguinaire																								
Corunna (8 a.m.)	29.96	52	S	2	bc	30.14	+0.0	48	+7	S	4	b	6</												

\* Information for these columns not usually received.

† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 2<sup>ND</sup> JANUARY.



## GENERAL INFERENCE

There are slight irregularities of pressure near our southwestern coasts, and there are indications of a disturbance out on the Atlantic.

## WEATHER PROSPECTS.

A changeable, S.<sup>y</sup> type of weather is therefore expected during the ensuing 24 hours over the country generally.

## FORECASTS FOR THE 24 HOURS NOON FRIDAY

## TO NOON SATURDAY

- 0 {  
a  
b  
S.<sup>y</sup> and S.W.<sup>y</sup> breezes,  
fresh at times in places; fair  
to dull, some rain; mild.
- 1 {
- 2 {  
a  
b
- 3 {  
S.<sup>y</sup> and S.W.<sup>y</sup> breezes,
- 4 {  
a  
b  
occasionally fresh in places,  
passing S.W.<sup>y</sup> line squall; fair  
to dull, some rain; mild.
- 5 {

### FORECAST DISTRICTS.



### STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

South Cone hoisted yesterday at 8 a.m. in Districts 0, 6 to 10. At 2.25 p.m. in District 1.

- 6 {  
a  
b  
Same as Nos. 0 to 2.
- 7 {  
a  
b
- 8 {  
a  
b  
Same as Nos. 3 to 5.
- 9 {  
a  
b  
Same as Nos. 0 to 2.
- 10 {  
a  
b

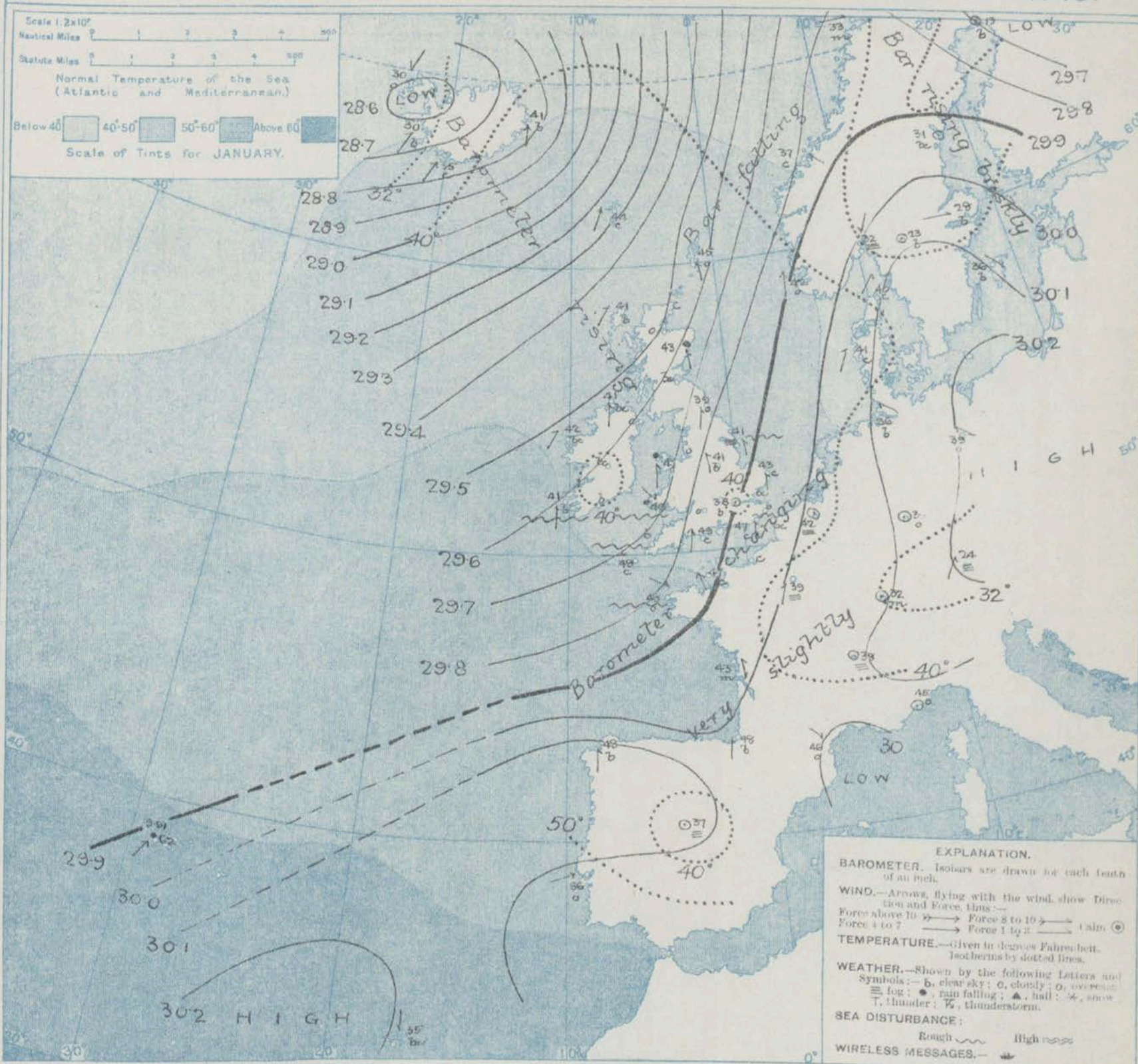
## 11 WESTERN CHANNEL AND BAY.

S.<sup>y</sup> and S.W.<sup>y</sup> breezes, occasionally fresh; sea moderate to rather rough; changeable, gusty, some rain and mist; mild.

## THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. FRIDAY, 3<sup>rd</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is now at 30.2 in. over Eastern Germany, and it is at 28.6 in. in a deep depression centred over North-Western Iceland. The gradient is rather steep between Iceland and Norway, moderate to slight elsewhere.

Calms and light to moderate S. and S.W. breezes prevail over nearly the whole of the region under observation, a few stations reporting a fresh to strong breeze. Over the British Isles temperature ranges from 38° at Birr Castle and in London to 49° at

Portland Bill; on the Continent from 24° at Munich to 48° at Brüssel and Brest; in Scandinavia from 19° at Haparanda to 42° at Skudesnæs; and in Iceland from 30° to 41°. Fine, cloudless weather prevails over Sweden, and in a few isolated situations elsewhere. There is a good deal of fog on the Continent, at the mouth of the Rhine and on Christiansia Fjord. The only rain reported is at Aberdeen, Holyhead and Pembroke and at Høla. A rough sea is running off Dover, and it is rather rough locally on the southern and southwestern coasts.



## DAILY WEATHER REPORT.

Friday, 3rd January, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dirac.	Force.	
2nd 6pm	50	19	Empress of Ireland	H	29.61	+27	W	6-7	3
"	50	15	Ausonia	O	29.53	+12	WNW	6-7	c
"	50	14	Montfort	H	29.55	+06	WNW	4-5	3
7am	48	28	?	O	29.71	+07	WNW	6-7	bc
"	50	18	Montfort	H	29.32	+06	WSE	6-7	c
"	51	15	Arabic	O	29.24	-03	SSW	6-7	0
"	56	25	Empress of Ireland	H	29.46	+36	NW	6-7	3

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.	
Scotland.		In.					Hr.
{ Oban ...							
{ Stonehaven ...							
{ St. Andrews ...							
{ Carnoustie ...							
Eng. N.W.							
{ Harrogate ...			39	34	b. o. c.	0	0.0
{ Scarborough ...			41	35	o. c.	0	1.2
{ Blackpool ...							
{ Southport ...			43	35	bc. b.	b. bc. c.	2.0
{ Buxton ...		0.02	43	33	bc.	bc.	0.2
{ Matlock ...							
{ Douglas ...							
Wales.							
{ Rhyl ...			46	35			1.8
{ Colwyn Bay ...			47	41	o. bc.	bc.	0.2
{ Llandudno ...			48	38	0	o. b.	0.0
{ Bettws-y-Coed ...							
{ Aberystwyth ...		0.06	47	40	r. c. o.	c. bc.	4.0
England, E.							
{ Walton-on-Naze ...			46	41	bc. b.	b. bc.	5.2
{ Lowestoft ...			45	34	o. c. b.	b.	4.7
{ Felixstowe ...			46	36	bf.	bm.	5.2
{ Southend-on-Sea ...			50	36	bc. b.	b.	4.3
England, S.E.							
{ Ramsgate ...			47	33			
{ Margate ...			47	35	b.	b. ge.	5.0
{ Deal ...			47	34	bc. b.	c. bc.	5.3
{ Littlestone ...							
{ Folkestone ...			49	37	m. bc.	bc. c.	3.5
{ Hastings ...			50	37	b. bc.	bc. o.	4.9
{ Bexhill-on-Sea ...			50	38	bc.	bc. b.	4.7
{ Eastbourne ...		0.01	50	36	bc. b.	o. m. w.	2.6
{ Seaford ...		0.01	49	34	f. bc.	bc. r.	3.6
{ Brighton ...		0.01	49	33	f. bc. o.	c. o. c.	3.6
{ Worthing ...		0.02	50	31	c.	c.	4.1
{ Littlehampton ...							3.7
{ Bognor ...							
{ Southsea ...			50	34	f. bc.	bc.	4.3
{ Bournemouth ...		0.02	49	31	c. o.	c. o.	2.9
{ Weymouth ...		0.03	51	37	bc. p.	p. b.	3.5
{ Teignmouth ...		0.16	48	24	cp.	cp.	1.8
{ Torquay ...		0.10	49	36	bc.	p. bc.	1.7
{ Paignton ...		0.12	48	32	f. bc. r.	bc. r.	1.3
{ Weston-super-Mare ...			47	37	bc. b.	bc.	1.5
{ Ilfracombe ...		0.03	48	41	b.	b.	3.7

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.			Sun-shine for Yesterday.		
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.				
			Max.	Min.														Max.		Min.	
			24 HOURS ENDED 9 A.M. TO-DAY.																		
Greenwich (Royal Obs.) ...	82	97	49	35	26	0.07	b	b. o. c.	0.00.6	1.6	Dublin to 4 p.m.	in.	48	39	34	c. o	c. o	0.0	1.6		
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	*	1.0	Plymouth to 9 p.m.	-	48	39	34	c. o	c. o	0.0	1.6	
Westminster (St. James's Pk.)	78	94	49	35	31	0.05	b	b	r. m. e.	1.8	Darwen "	0.01	40	33	31	c. d. m.	o. g.	o. g.	0.0		
Camden Sq. (Brit. Rainfall)	81	94	46	35	31	0.02	b. m. b.	b. c.	0.03 m.	1.2	Manchester "	-	43	35	*	c. b.	b. c. b.	b.	0.0		
Hampstead (Reservoir) ...	*	94	46	37	25	0.03	b. c.	b. c.	0.02	1.1	Birmingham "	-	45	35	25	o.	b. c.	b.	2.0		
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.											1.1	Oxford to 8 p.m.	0.07	46	36	29	b. m.	b. m. b. m.	b. m. b. m.	2.0	
For Kew see front page.											1.1										
S. Kensington (Roof of M.O.)											1.8										
Total.											1.8										
Average Rate.											1.8										
Max. Rate.											1.8										
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## NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature rose to about 50° in many parts of these islands, but did not exceed 39° at Harrogate. Nearly 3 in. of rain fell in the west of Ireland, only small amounts in other localities. Many of the northern and western stations had no bright sunshine, while several southeastern ones had about 5 hours. A S.W. gale or strong gale was felt locally in the west and north. As far west as the 30th meridian ships experienced strong S.W. to S.E. winds and fair to dull weather.

NOTE.—The information relating to weather is indicated by the following letters: b, blue sky; bc, sky half clouded; c, sky three parts clouded; d, drizzling 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; s, snow; t, thunder; u, ugly, threatening sky; v, visibility, unusual transparency; w, dew; x, hoar frost; z, dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Saturday,  
4th January, 1913.

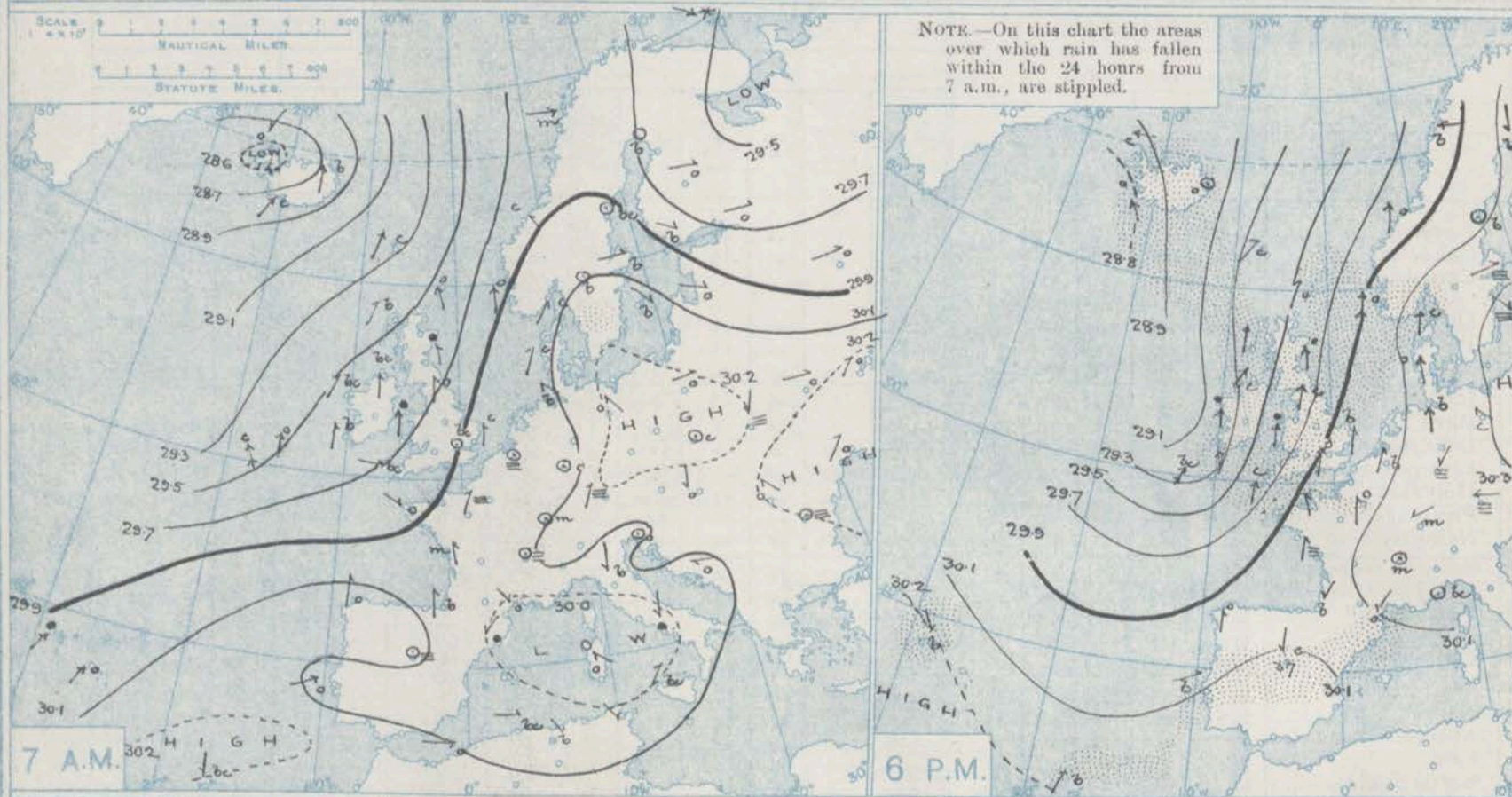
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.				
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dirac.	At 32° Fahr. and M.S.L. Lat. 45°.				Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dirac.						Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	After'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.		
		In.	°				In.	In.	°							In.	°	°				Hours		
BRITISH ISLANDS.	Lerwick ...	29.57	45	SSW	3	0	29.20	-10	46	+1	SE	9	r	7	0.17	46	43	omr	om	or	*			
	Stornoway ...	29.41	45	S	6	0	28.96	-03	47	+6	SSW	8	c	7	0.17	48	38	b	b bc	cap	2.2			
	Castlebay (Barra Isd.)																							
	Malin Head ...	29.32	42	SW	6	cmq	29.23	+15	42	+1	SW	9	cap	7	0.10	43	37	bc	cm	cmr	*			
	Blacksod Point ...	29.12	45	SSE	8	r	29.32	+14	44	+2	SSW	7	o	5	0.22	52	41	omq	omq	omq	*			
	Valencia ...	29.22	50	SSE	6	m	29.55	+06	45	+4	SW	4	b	5	0.36	52	40	bc	rgm	m bp	0.0			
	Roche's Point ...	29.40	48	SSW	8	r	29.61	*	46	+6	SW	3	b	5	0.24	51	39	cp-o	omr	r-b	*			
	Birr Castle ...	29.35	45	SE	6	r	29.50	*	43	+5	S	3	o	*	0.07	50	35	bc	c-or	or-o	0.6			
	Donaghadee ...	29.52	45	SSW	3	dp	29.46	+07	45	+3	SSW	4	og	3	0.07	49	39	om	bc	omn	*			
	Liverpool Obsy. ...	29.69	46	SSE	3	c	29.66	+03	49	+7	S	3	o	3	-	50	42	om	bc	o	1.5			
	Holyhead ...	29.61	48	S	5	r	29.59	+04	49	+2	SW	6	bc	5	0.34	50	45	bc	opm	bc	*			
	Pembroke (St. Ann's Hd.)	29.64	49	S	6	c	29.68	+04	49	+3	SSW	5	og	6	0.09	51	46	cap	bc	bcq	2.5			
	Newquay ...	29.72	47	SSE	4	op	29.73	+02	48	+4	SW	1	ogf	5	0.05	51	44	b	bc	o	4.3			
	Scilly (St. Mary's) ...	29.66	50	S	5	c	29.71	+02	50	+2	SW	2	o	4	0.05	51	46	c	cm	omr	3.5			
	Jersey (St. Aubin) ...	29.91	49	SSE	4	cm	29.93	*	49	+2	SSE	4	om	3	Trace	50	46	an om	om om	om om	1.4			
	Portland Bill ...	29.81	50	SSW	5	c	29.84	00	50	+1	S	7	r	6	0.02	51	48	od	cp	cqr	*			
	Dungeness ...	29.92	48	S	5	c	29.93	00	48	+1	S	5	c	5	-	49	45	cp-c	c	c-bc	*			
	Dover ...	29.97	47	SSW	4	c	29.99	*	46	+1	SSW	6	o	5	-	47	44	o-c	c	c-bc	2.0			
	Wick ...	29.51	44	SSW	5	c	29.10	-09	46	+2	S	9	bc	6	-	47	41	cap-b	bc	om-bc	*			
	Nairn ...	29.50	38	-	0	o	29.15	*	43	-1	SW	4	cap	2	0.08	45	37	b	bc-c	ap-c	3.9			
	Aberdeen ...	29.58	44	SSE	4	o	29.33	-03	46	+3	S	5	c	4	0.04	47	42	od	op	op-cp	0.0			
	Leith ...	29.58	46	S	2	c	29.44	+06	48	+3	SW	4	c	*	0.06	50	44	og-c	og-cp	c	*			
	North Shields ...	29.70	46	S	4	cap	29.60	+01	48	+9	SSW	4	cp	2	0.01	48	38	og	og	og-p	0.0			
	Spurn Head ...	29.81	45	SSE	5	c	29.72	-01	46	+5	SSE	8	cap	6	Trace	46	40	o-c	c	ad-ogm	*			
Yarmouth ...	29.95	45	S	2	b	29.95	00	45	+2	S	4	c	4	0.02	46	42	c-o	o-bc	bc-c	1.2				
Clacton-on-Sea ...	29.93	45	SSE	4	bc	29.95	+01	45	+1	SSE	4	o	4	-	46	44	bc-o	o-bc	bc-c	1.3				
Nottingham ...	29.79	47	S	4	o	29.75	*	48	+7	SW	6	d	*	Trace	49	40	bc om	om	op-b	0.5				
Bath ...	29.83	50	SSW	6	c	29.81	*	50	+3	SW	5	o	*	0.04	51	47	-	-	-	0.0				
London (Kew Obsy.) ...	29.89	48	S	4	o	29.91	00	48	+10	S	4	o	*	0.01	48	38	om-o	o-c	o-c	0.7				
ICELAND & FAEROE.	Isafjord ...	28.84	30	E	7	c	28.79	-06	33	+3	E	6	o	*	*	*	*							
	Reykjavik ...	28.75	35	E	2	o	28.44	-04	39	+9	S	3	r	*	*	*	*							
	Vestmanna ...	28.84	38	SE	4	o	28.46	-04	41	+6	E	7	r	4	*	*	*							
	Seydisfjord ...	29.05	35	-	0	o	28.82	-12	38	-3	NE	6	r	*	*	*	*							
	Thorshavn ...	29.37	40	SW	2	c	28.86	-14	45	+1	S	6	o	*	*	*	*							
SCANDINAVIA.	Haparanda ...	30.14	2	N	2	b	29.98	-02	17	-2	SE	2	o	*	-	19	12							
	Hernösand ...	30.06	16	-	0	b	29.96	+01	29	-2	-	0	c	*	-	34	16							
	Stockholm ...	30.28	29	WSW	2	f	30.31	+01	32	+4	SSW	2	b	*	-	32	27							
	Wisby ...	30.32	33	NW	2	f	30.39	+02	36	0	SSW	2	o	*	-	37	28							
	Karlstad ...	30.22	37	SW	2	o	30.20	00	35	+12	SW	2	r	*	-	37	21							
	Færder (Xianta Fjord)	30.15	39	S	5	o	30.07	-02	41	+9	SSE	6	o	4	0.12	41	32							
	Bodö ...	29.79	34	E	4	o	29.82	+01	35	+2	E	4	r	2		35	32							
	Christiansund ...	29.82	43	S	5	o	29.71	-01	45	+8	SE	4	o	3		45	37							
	Skudesnaes ...	29.95	44	S	8	u	29.78	-04	45	+3	SSE	9	o	7	0.16	45	41							
	The Scaw (Skagen) ...	30.18	41	S	7	c	30.12	-01	40	0	S	9	r	3	0.04	41	39							
Blaavands Huk ...	30.12	40	SSE	4	o	30.11	-01	38	-3	SSE	6	o	4	-	41	37								
GERMANY, &c.	Cuxhaven ...	30.13	41	SSE	5	b	30.17	00	33	-3	S	4	b	*	-	41	32							
	The Helder ...	30.04	42	SSE	3	o	30.06	+01	43	+3	S	5	o	2	-	43	37							
	Brussels ...	30.07	43	SSW	2	b	30.12	+03	43	+1	SSE	1	o	*	-	49	41							
	Berlin ...	30.28	38	SE	3	c	30.34	+01	34	-5	SE	2	bc	*	-	41	34							
	Frankfurt ...	30.22	36	NE	1	f	30.30	+04	31	-8	SE	1		*	-	45	30							
	Munich ...	30.28	27	E	3	f	30.38	+02	26	+2	E	3		*	-	30	23							
	C. Gris Nez ...																							
FRANCE.	La Hève ...	30.00	44	SE	4	o	29.96	*	41	0	SE	4	o	4	-	50	37							
	Brest (St. Mathieu) ...	29.86	49	S	4	o	29.82	-02	49	+1	S	6	r	5	0.08	54	46							
	Lorient (Bec Melen) ...	29.92	50	S	3	b		*	52	+1	S	5	o	4	-	55	46							
	Rochefort (Ile d'Aix) ...	30.04	44	S	3	m	30.06	*	41	-2	SSE	3	c	*	-	46	41							
	Biarritz ...	30.06	49	NE	2	b	30.07	*	46	-2	SSE	2	b	5	-	55	43							
	Paris ...	30.07	46	S	1	o	30.13	+01	42	+3	S	2	o	*	0.04	46	39							
SPAIN, PORTUGAL, &c.	Belfort ...	30.15	37	ENE	2	m	30.30	*	30	-2	-	0	m	*	-	46	30							
	Lyons ...	30.15	43	-	0	m	30.28	*	30	-8	-	0		*	-	47	28							
	Nice ...		45	-	0	bc	30.24	+02	43	-2	E	1	b	2	-	55	41							
	Perpignan ...	30.10	51	NE	1	o	30.15	+01	45	-1	SW	1	c	*	0.04	55	44							
	Sanguinaire ...	30.11	54	NNW	2	m	30.21	*	52	-1	ESE	2	m	2	-	57	46							
	Corunna (8 a.m.) ...	29.97	55	S	1	o	29.85	-04	56	+8	SSE	5	o	6	-	57	48							
	Lisbon (9 a.m.) ...	30.08	56	WSW	1	b	30.08	+01	56	0	SW	3	o	6	0.16	59	54							
Gibraltar ...	30.18	54	W	2	b	30.13	*	56		W	3	o	2	-	61	51								
Azores (P. Delgada) ...																								
Azores (Horta) ...	30.20	53	NW	4	b	30.30	+01	54	-8	-	0	c	2	0.08	63	52								
Madeira (Funchal) ...	30.20	59	SW	1																				

\* Information for these columns not usually received.

† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 3<sup>RD</sup> JANUARY.



GENERAL INFERENCE

## WEATHER PROSPECTS.

During the ensuing 24 hours the conditions over the British Isles will be influenced mainly by a very deep cyclonic system situated over the Iceland region.

### FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

- 0 {
- 1 Wind between S. and W.,
- 2 { strong to a gale at times
- 3 { in many places, moderating
- 4 { later; squally, changeable,
- 5 { occasional rain, some fair
- 6 { intervals; mild.

#### FORECAST DISTRICTS.



#### STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

S. Cone Hoisted at 7.10 p.m. in Districts 0, 1, 6 to 10 and part of 2. At 8.12 a.m. today in Districts 3, 5 and remainder of 2.

- 6 {
- 7 {
- 8 { Same as Nos. 0 to 5.
- 9 {
- 10 {

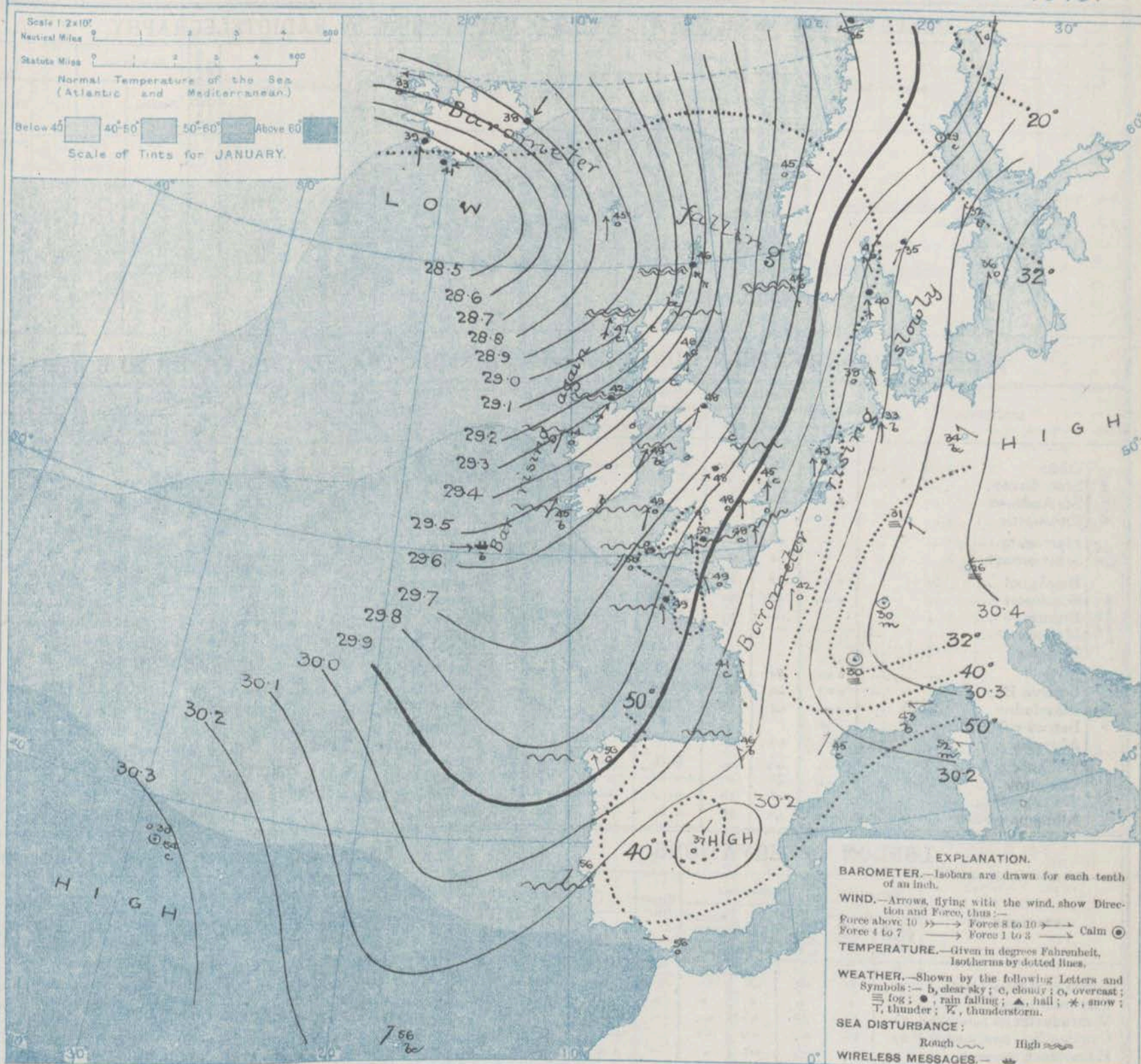
#### THE FURTHER OUTLOOK.

#### 11 WESTERN CHANNEL AND BAY.

S. to S.W. winds, strong to a gale, moderating later; rough sea, high S.W. swell; squally, changeable, some rain, local mist or fog, fair intervals; mild.



# SYNOPTIC CHART FOR 7 A.M. SATURDAY, 4<sup>TH</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

In an extensive anticyclone covering the greater part of the Continent the barometer is about 30.4 in. from Bavaria to the Baltic. In another anticyclone over the lower Atlantic pressure is at 30.3 in. about the Azores. The barometer is below 28½ in. in a deep depression centred off the south of Iceland. The gradient is steep over nearly the whole of our area.

S.W. and S.W. winds prevail in nearly all regions, strong to a gale or a strong gale on various

parts of our own coasts, and in Denmark and in Southern Norway. Over the British Isles temperature ranges from 42° at Malin Head to 50° at Bath, Portland Bill and Seilly; on the Continent from 26° at Munich to 56° at Corunna, Lisbon and Gibraltar; in Scandinavia from 17° at Haparanda to 45° at Christiansund and Skudesnaes; and in Iceland from 33° to 41°. Cloudy to dull weather prevails extensively, with rain at a few isolated stations. The atmosphere is foggy at Newquay and over Central Europe. A high sea is running round our northern coasts and across to Norway, and it is rough or rather rough in many other localities.



## DAILY WEATHER REPORT.

Saturday, 4th January, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
4th 7 a.m.	50	13	Lake Michigan	O	29.57	+0.3	W	6-7	b										
3rd 6 p.m.	50	12			29.29	+0.4	SW	8-9	bc										
" 7 a.m.	50	18	Ausonia	O	29.37	+0.1	SE	8-9	c										
" "	51	15	Empress of Ireland	H	29.46	+2.2	S	6-7	o										

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	In.	47	41	r. b	bc. or o	3.0	England, S.E.	Ramsgate	In.	47	43	*	*	4.0
	Stonehaven	0.01	47	41	r. b	bc. or o	3.0		Margate	0.01	47	43	o	c. b	4.0
	St. Andrews	0.08	45	41	o	o. c	0.0		Deal	0.02	48	44	sp. c	c. bc	0.1
	Carnoustie								Littlestone		*	*	*	*	0.3
Eng. N.E.	Harrogate		45	34	o. c	o	0.0	England, S.E.	Folkestone		48	45	o. c	c. bc	0.1
	Scarborough		45	36	o. c	o	1.0		Hastings	0.01	49	45	bc. o	bc. b	1.0
England, N.W.	Blackpool	0.02	48	39	or	c	0.8	England, S.E.	Bexhill-on-Sea	0.01	48	45	o. bc	bc. w	1.7
	Southport	0.04	48	39	o. bc c	bc	1.0		Eastbourne	0.03	50	41	bc. o	bc. o. c	2.0
	Buxton		44	37	bc. o	bc. e	0.0		Seaford	0.05	50	45	g. bc	bc. g	2.0
	Matlock								Brighton	0.05	49	35	o. bc	bc. b	1.6
Wales.	Douglas							England, S.W.	Worthing	0.02	50	45	c	c	2.0
	Rhyl	0.01	50	37			3.4		Littlehampton		*	*	*	*	1.4
	Colwyn Bay	0.03	49	44	o. bc. b	b. bc	3.0		Bognor						
	Llandudno	0.03	48	45	bc p	b	3.4		Southsea	0.01	51	37	o. c	c	0.0
England, E.	Bettws-y-Coed							England, S.W.	Bournemouth	0.09	50	36	o	o. d	0.9
	Aberystwyth		49	43	o. c o	c. bc	2.7		Weymouth		50	45	bc. c	c	0.0
	Walton-on-Naze	0.01	46	40	bc. b	b. bc. o	1.0		Teignmouth	0.17	50	47	or	cp. c	0.5
	Lowestoft	0.04	46	37	c. o	o. c	1.8		Torquay	0.36	50	47	o	c. bc p	0.1
England, E.	Felixstowe		46	38	m. o	bc. m	0.7	England, S.W.	Paignton	0.34	52	36	or bc	bc. or	0.1
	Southend-on-Sea	0.02	48	38	c. bc	bc	2.2		Weston-super-Mare	0.06	50	39	c. r	b. bc	0.2
									Ilfracombe	0.02	50	44	d. c. b	bc. d. u	1.5

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.		WEATHER.			Sun-shine for Yesterday.					
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.						
			Max.	Min.		Max.						Min.											
			24 HOURS ENDED 9 A.M. To-Day.																				
			%	%								In.											
Greenwich (Royal Obs.) ...	85	91	49	43	37	-	c. bc	c. bc	c. bc	1.5	Dublin to 4 p.m.	Trace	47	43	39	odg	b	on	*				
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	0.2	Plymouth to 9 p.m.	0.06	51	48	?	bc	or	bcg	0.6				
Westminster (St. James's Pk.)	82	87	50	46	42	-	bc	bc	bc		Darwen "	0.03	45	37	33	og	cu. r	on	0.0				
Camden Sq. (Brit. Rainfall)	85	88	49	44	43	-	ogm	bc	c. o	0.3	Manchester "	-	49	37	*	c	bc	c. bc	0.1				
Hampstead (Reservoir) ...	*	89	47	42	41	-	o. c	c	c. e. o	0.4	Birmingham "	0.04	46	38	30	o	r. c	c	0.0				
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.											Oxford to 8 p.m.	0.01	48	40	32	ogm	odgmc	od. r. o					
Total.																							
Average Rate.																							
Max. Rate.																							
Joules.																							
Milliwatts																							
Milliwatts																							
138																							
4.9																							
15																							
0.6																							
For Kew see front page.																							
S. Kensington (Roof of M.O.)																							
85																							
90																							
138																							
4.9																							
15																							
0.6																							
S. Kensington (Museum Grounds to 5 p.m.)																							
0.02																							
49																							
41																							
30																							
b. c. or																							
od. o																							
o. c. o																							



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Sunday,  
5th January, 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.	
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.			
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dry Bulb.	Dirac.				At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dirac.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.		Aftern'g. 1 p.m. to 6 p.m.
		In.					In.	In.								In.						Hours	
BRITISH ISLANDS.	Lerwick ...	29.49	44	S	6	bc	29.64	+0.1	44	-2	S	4	bc	5	0.06	47	41	bcg	bcg	bcg	0.1		
	Stornoway ...	29.47	41	SW	6	cpq	29.61	+0.4	41	-6	SW	5	bc	5	0.24	47	40	cpq	cpq	bcg			
	Castlebay (Barra Isd.) ...													*									
	Malin Head ...	29.55	41	SW	6	bcgq	29.69	+0.4	37	-5	S	3	b	2	0.02	44	37	cg	bcg	bcg	*		
	Blacksod Point ...	29.52	45	SSW	6	o	29.68	+0.1	43	-1	SSW	4	c	3	0.22	46	38	cmg	cmg	cmg	*		
	Valencia ...	29.68	42	SW	3	cp	29.79	+0.4	34	-11	E	1	b	5	0.15	48	33	cmg	cmg	cmg	2.3		
	Roche's Point ...	29.72	45	SW	2	b	29.78		40	-6	N	2	b	4	0.02	49	40	cp-o	o.c.b	b.o	*		
	Birr Castle ...	29.66	41	S	1	c	29.75		35	-8	SSW	1	c	*	-	45	35	c	c	ex	0.0		
	Donaghadee ...	29.68	42	S	2	c	29.76	+0.1	39	-6	SSW	1	b	1	-	45	38	om	om	bcw	*		
	Liverpool Obsy. ...	29.79	43	SE	3	o	29.74	-0.2	41	-8	NE	2	r	2	0.23	49	41	om	ob	ot	0.0		
	Holyhead ...	29.74	46	SW	4	o	29.74	0.0	43	-6	NE	3	o	2	0.29	49	42	opg	ond	omp	0.0		
	Pembroke (St. Ann's Hd.) ...	29.76	47	S	3	c	29.73	0.0	42	-7	N	3	rg	4	0.14	51	42	cg	og	og	0.0		
	Newquay ...	29.75	44	SE	2	ot	29.73	0.0	44	-4	NW	5	ot	5	0.43	48	44	o-or	c-o-or	r	0.0		
	Scilly (St. Mary's) ...	29.73	47	SSE	2	om	29.74	+0.1	44	-6	N	5	omg	5	0.39	51	42	om	om	c	0.0		
	Jersey (St. Aubin) ...	29.87	50	SSE	4	omr	29.84		50	+1	SSE	5	omg	4	0.21	51	46	omp	omp	omp	0.0		
	Portland Bill ...	29.82	49	SSE	5	r	29.73	-0.1	51	+1	S	6	c	5	0.41	51	48	ot	ot	ot	*		
Dungeness ...	29.93	48	SSE	5	bc	29.89	0.0	48	0	SSE	5	qr	5	0.27	50	46	c-bc	bc	c-or	*			
Dover ...	29.99	46	SW	5	bc	29.95		46	0	S	4	r	5	0.13	48	45	c-bc	bc	c-or	0.0			
IRELAND & FAEROE.	Wick ...	29.55	41	WSW	3	bc	29.67	+0.5	41	-5	SW	3	o	4	-	46	39	bc-c	c-bc	bcg	*		
	Nairn ...	29.57	39	SW	1	bc	29.67		37	-6	-	0	bc	1	0.02	44	36	qp	gg	bc	0.0		
	Aberdeen ...	29.65	43	SSW	5	bc	29.75	+0.4	41	-5	S	3	o	2	-	47	41	c-qp	gg	bc	0.0		
	Leith ...	29.69	45	SSW	2	c	29.74	+0.2	40	-8	-	0	o	*	trace	49	38	o	o	c-o	0.0		
	North Shields ...	29.77	46	SW	2	o	29.79	0.0	43	-5	-	0	r	2	0.13	51	40	c	o	r	0.0		
	Spurn Head ...	29.82	46	S	5	r	29.78	-0.1	45	-1	SSE	5	r	5	0.48	47	43	ot	ot	om	*		
	Yarmouth ...	29.97	46	S	3	o	29.87	0.0	47	+2	S	3	r	4	0.03	48	45	bc	bc-o	cd-o	0.9		
	Clacton-on-Sea ...	29.95	46	SSE	4	o	29.89	0.0	47	+2	SSE	4	r	4	0.03	47	45	og	og	ot	0.0		
	Nottingham ...	29.82	46	S	2	r	29.75		48	0	SSW	2	o	*	0.63	49	45	doht	r	t-o	0.0		
	Bath ...	29.83	48	S	1	r	29.74		51	+1	S	3	o	*	0.87	52	47	-	-	-	0.0		
	London (Kew Obsy.) ...	29.90	47	S	3	ot	29.84	0.0	48	0	S	3	ot	*	0.22	50	47	od-o	od-o	ot-o	0.0		
	SCANDINAVIA.	Isafjord ...	28.79	33	E	5	o	29.11	+0.6	31	-2	E	4	c	*	*	*	*	*	*	*	*	
		Reykjavik ...	28.53	37	S	3	r	29.97	+0.8	35	-4	-	0	o	*	*	*	*	*	*	*	*	
		Vestmanna ...	28.60	35	WSW	2	o	29.00	+0.6	35	-6	-	0	o	*	*	*	*	*	*	*	*	
		Seydisfjord ...	28.69	36	NE	2	r	28.94	+0.6	40	+2	SW	4	o	4	*	*	*	*	*	*	*	
		Thorshavn ...	29.07	43	WSW	8	c	29.26	+0.3	41	-4	WSW	6	r	*	*	*	*	*	*	*	*	
Haparanda ...		29.99	22	SE	2	o	29.86	-0.2	33	+16	S	4	o	*	*	*	*	*	*	*	*		
Hernösand ...		29.99	34	S	4	o	29.99	0.0	38	+9	-	0	o	*	trace	39	28	trace	39	28	*		
Stockholm ...		30.24	35	SSW	2	o	30.25	0.0	35	+3	SSW	2	o	*	*	*	*	*	*	*	*		
Wisby ...		30.36	37	SW	4	c	30.34	-0.1	37	+1	SW	4	o	*	*	*	*	*	*	*	*		
Karlstad ...		30.16	36	SW	4	o	30.17	0.0	37	+2	N	4	o	*	*	*	*	*	*	*	*		
Færder (X'ania Fjord) ...		30.04	41	S	6	f	30.08	0.0	41	0	S	6	o	*	0.04	37	35	0.04	37	35	*		
Bodö ...		29.62	40	ESE	4	c	29.67	+0.6	41	+6	SW	5	o	4	0.04	41	41	0.04	41	41	*		
Christiansund ...		29.59	50	SE	3	c	29.76	0.0	41	-4	-	0	b	4	-	50	34	-	50	34	*		
Skudesnaes ...		29.87	45	SSE	8	r	29.89	0.0	44	-1	S	6	r	5	0.35	45	43	-	45	43	*		
The Scaw (Skagen) ...		30.11	42	SSW	7	m	30.12	0.0	41	+1	SSW	7	m	2	-	42	39	-	42	39	*		
Blaavands Huk ...		30.12	40	S	4	m	30.11	-0.1	39	+1	SSE	3	m	3	-	41	37	-	41	37	*		
GERMANY, &c.	Cuxhaven ...	30.18	36	S	3	b	30.12	0.0	32	-1	S	2	bce	*	-	41	32	-	41	32	*		
	The Helder ...	30.08	41	SSE	4	b	30.03	-0.2	38	-5	S	5	b	*	-	43	37	-	43	37	*		
	Brussels ...	30.10	43	SE	4	b	30.08	+0.1	40	-3	SSE	5	b	*	-	50	39	-	50	39	*		
	Berlin ...	30.37	39	SE	3	b	30.36	0.0	31	-3	SE	2	b	*	-	39	30	-	39	30	*		
	Frankfurt ...	30.33	33	SE	2	o	30.34	+0.1	33	+2	SE	2	o	*	-	37	32	-	37	32	*		
	Munich ...	30.39	27	E	4	f	30.43	+0.1	25	-1	SE	3	f	*	-	28	25	-	28	25	*		
	C. Gris Nez ...	29.99	45	SSE	5	bc	29.92	0.0	46	+4	SSE	5	c	4	-	48	41	-	48	41	*		
	La Hève ...	29.92	45	S	5	o	29.91		44	+3	SE	4	o	3	0.04	50	41	-	50	41	*		
	Brest (St. Mathieu) ...	29.75	49	S	5	r	29.79	+0.4	48	-1	NW	5	o	3	0.79	50	46	-	50	46	*		
	Lorient (Bec Melen) ...	29.76	52	S	6	r	29.84		51	-1	WSW	5	o	5	0.24	54	46	-	54	46	*		
	Rochefort (Ile d' Aix) ...	29.95	47	SE	4	b	30.00		48	+7	SSE	3	r	*	-	50	41	-	50	41	*		
	Biarritz ...	30.05	57	SSE	3	b	30.05		57	+11	SW	4	o	5	-	59	46	-	59	46	*		
	FRANCE.	Paris ...	30.07	47	SE	3	b	30.07	+0.1	42	0	S	3	b	*	-	50	41	-	50	41	*	
		Belfort ...	30.28	32	ESE	4	m	30.38		26	-4	ESE	2	m	*	-	42	26	-	42	26	*	
		Lyons ...	30.22	43	SE	1	b	30.26		37	+7	E	1	b	*	-	46	30	-	46	30	*	
		Nice ...	30.30	44	-	0	b	30.34	+0.1	32	-11	-	0	c	3	-	52	32	-	52	32	*	
Perpignan ...		30.14	52	S	3	o	30.15	+0.2	50	+5	SE	3	b	*	0.08	57	45	-	57	45	*		
Sanguinaire ...														*									
SPAIN, PORTUGAL, &c.	Corunna (8 a.m.) ...	29.79	60	SSE	6	o	30.13	+0.8	46	-10	SW	3	o	7	0.16	7	43	-	7	43	*		
	Lisbon (9 a.m.) ...	30.05	55	WSW	1	o	30.10	+0.3	50	-6	N	2	o	7	0.24	61	50	-					

\* Information for these columns not usually received.

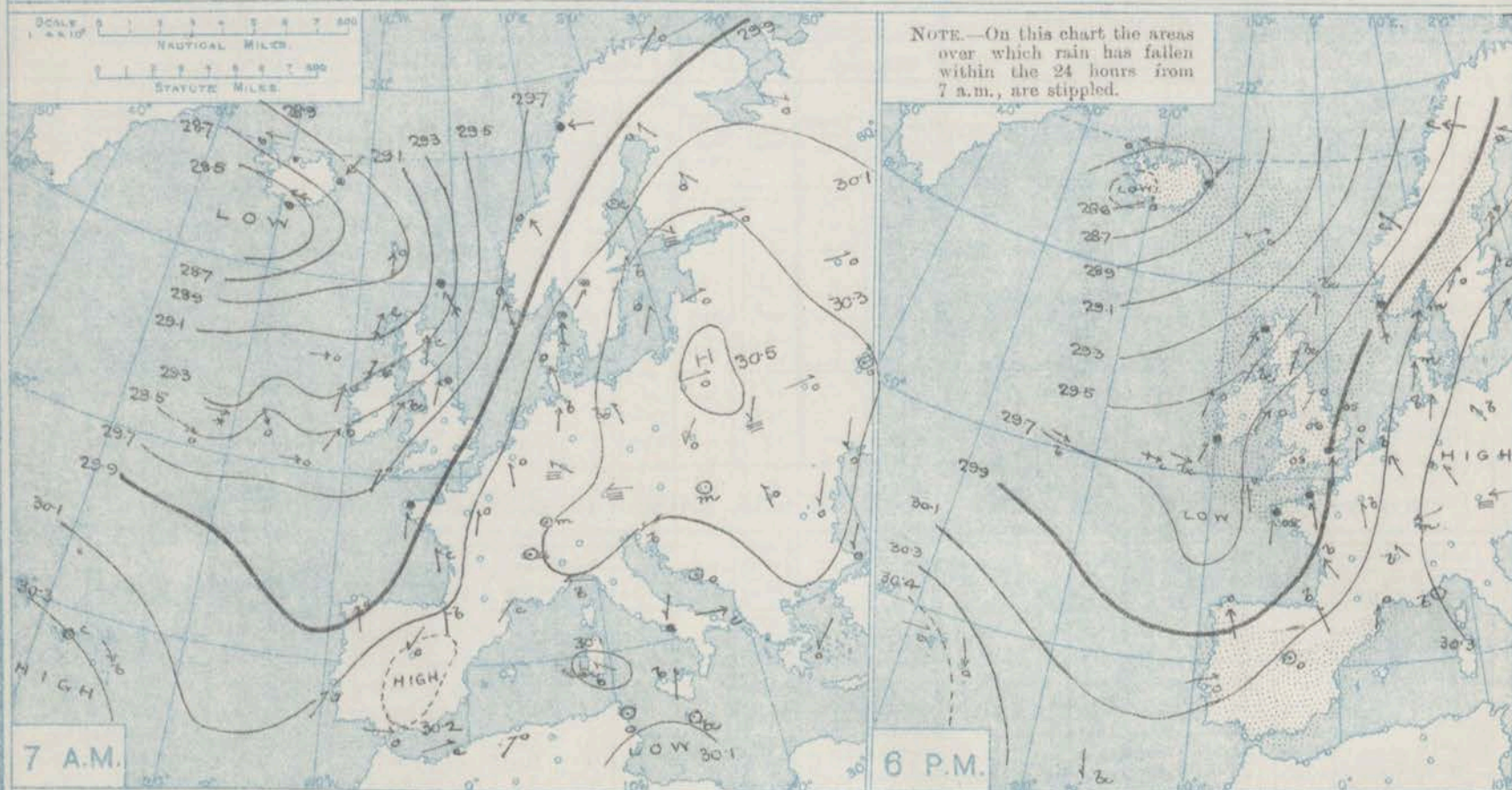
† Received too late for insertion in Charts.

GALES.  
Duration and Extreme Force  
on British Coasts.

Lerwick 7 a.m. to 3 p.m.  
Extreme S. 8.  
Stornoway 1 p.m.  
Squall S. 8.  
Malin Head 7 a.m. to 11 a.m.  
Extreme SW 9.  
Wick 7 a.m. to 10 a.m.  
Extreme S. 9.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 4<sup>th</sup> JANUARY.



GENERAL INFERENCE

WEATHER PROSPECTS.

FORECASTS FOR THE 24 HOURS NOON SUNDAY

TO NOON MONDAY.

0 {  
a  
b

1

2 {  
a  
b

3

4 {  
a  
b

5

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.

South Cone.

North Cone.

Signals hoisted this morning.

South Cone.

North Cone.

South Cone hoisted yesterday morning.

6 {  
a  
b

7 {  
a  
b

8 {  
a  
b

9 {  
a  
b

10 {  
a  
b

11 WESTERN CHANNEL AND BAY.

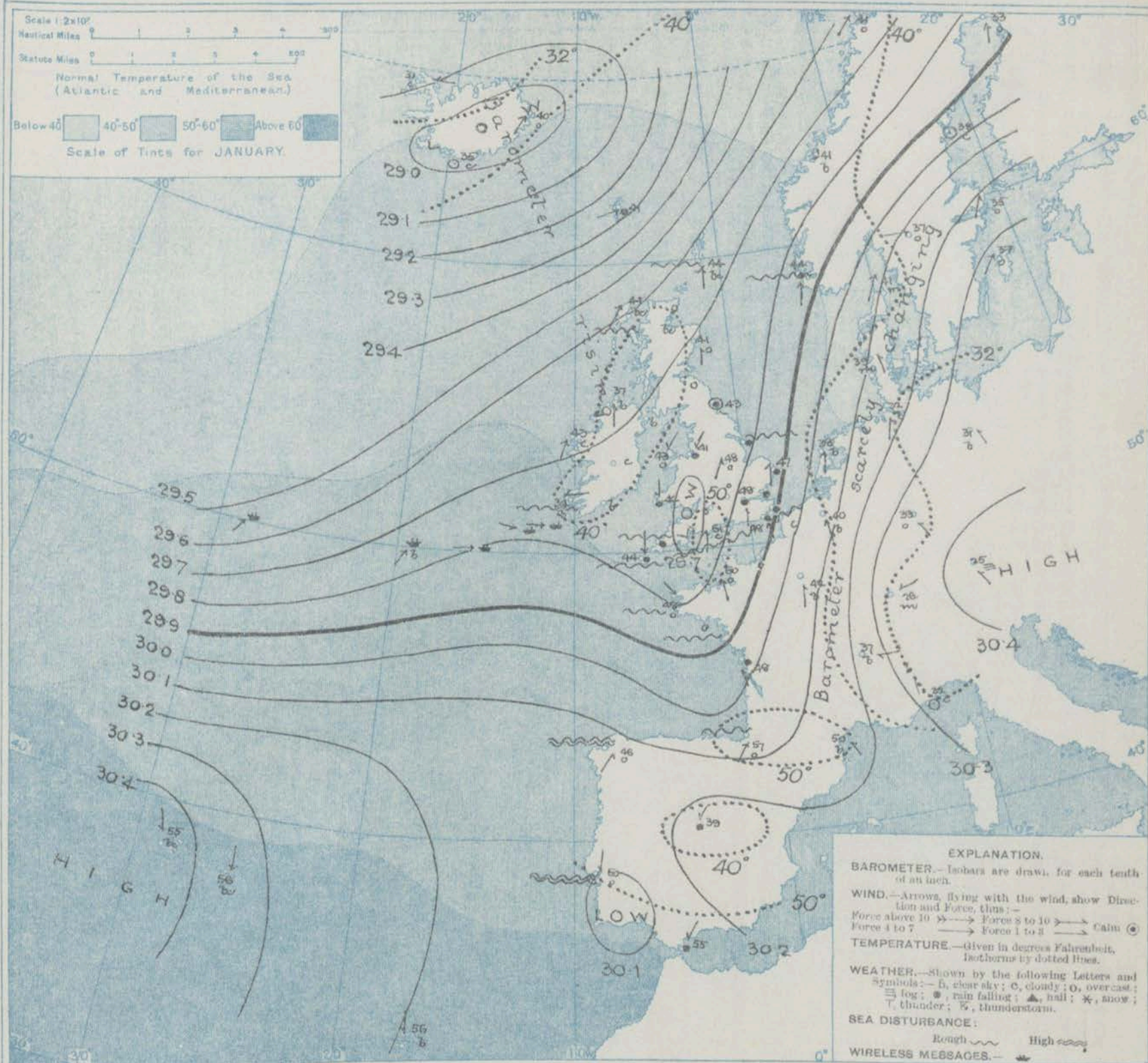
THE FURTHER OUTLOOK.

*None issued.*

*None issued.*



# SYNOPTIC CHART FOR 7 A.M. SUNDAY, 5<sup>th</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

A depression of diminishing intensity lies over Ireland, and a well marked secondary system, which advanced last night from the westward, is now passing across Wales, and the southwest of England. Anticyclones of considerable intensity are found respectively over South Germany and over the Azores region.

The wind remains S.<sup>ly</sup> or S.W.<sup>ly</sup> over Western Europe generally and blows strongly in the Channel and on the eastern and southern sides of the North Sea, but in the St. George's and Bristol Channels it has shifted to the N.<sup>ly</sup> E.<sup>ly</sup> to N.E.<sup>ly</sup> breezes prevail in Northern Ireland

Temperature has fallen in the west and north of our islands, changed irregularly elsewhere. Over the United Kingdom the morning readings range from a trifle above 50° at a few places in the south of England to 37° at Cairn and 35° at Birn Castle. Frost prevails in Germany, the lowest temperature reported being 25° at Munich. Rain is falling in many parts of England, as well as at a few of the neighbouring Continental stations, but fine weather prevails in Ireland and the west and north of Scotland, as well as in the Netherlands, Germany and Central and Southern France. The sea is rather rough on our S. and S.W. coasts and off the N. of Scotland.



## DAILY WEATHER REPORT.

Sunday 5th January, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
5th Jan.	50	19	Ascania	H	29.74	-0.06	SW	4-5	b	4th 6pm	50	14	Lake Michigan	O	29.65	+0.05	WNW	6-7	bc
"	51	11	Carozia	O	29.89	+0.09	W	4-5	b	" 7am	50	23	Ansonia	O	29.50	+0.04	WNW	6-7	o
"	50	16	Lake Michigan	O	29.81	+0.05	W	4-5	b	"	51	21	Hesperian	H	29.33	+0.02	W	4-5	s
"	50	28	Ansonia	O	29.53	-0.13	SW	6-7	o	" 6pm	52	17	da	H	29.53	+0.05	NNW	4-5	o
"	51	12	Hesperian	H	29.80	+0.08	WNW	4-5	bc	" 7am	55	12	Pretorian	H	29.37	+0.02	W	6-7	c
4th 6pm	50	23	Ascania	H	29.71	+0.02	WNW	4-5	bc										
"	50	15	Ansonia	O	29.70	+0.09	WNW	6-7	c										

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	{ Oban ... ..	In.	*	*			Hr.	{ Margate ... ..	-	48	44	o	o	0	
	{ Stonehaven ... ..						{ Ramsgate ... ..		-	47	44	*	*	0	
	{ St. Andrews ... ..						{ Deal ... ..		-	47	45	o.c	bc.o	0	
	{ Carnoustie ... ..						{ Folkestone ... ..		-	48	39	bc.o.c	bc	0	
Eng. N.E.	{ Harrogate ... ..	0.11	43	42	op	or	0.0	{ Littlestone ... ..	*	*	*	*	10		
	{ Scarborough ... ..	"						{ Hastings ... ..	-	48	46	b.bc.o	o.b	0	
England, N.W.	{ Blackpool ... ..							{ Bexhill-on-Sea ... ..	-	48	47	c	c	0	
	{ Southport ... ..	0.02	43	44	o	or.o	0.0	{ Eastbourne ... ..	0.04	49	47	og	og	0	
	{ Buxton ... ..	0.09	47	37	bc.	cr	0.0	{ Seaford ... ..	-	49	47	o	o	0	
	{ Matlock ... ..							{ Brighton ... ..	-	49	48	oc	bc.b	0	
Wales.	{ Douglas ... ..							{ Worthing ... ..	?	50	48	o	o	0	
	{ Rhyl ... ..	-					0.1	{ Littlehampton ... ..	*	*	*	*	0		
	{ Colwyn Bay ... ..	-	51	45	ow	ow	0.0	{ Bognor ... ..							
	{ Llandudno ... ..							{ Southsea ... ..							
England, E.	{ Bettws-y-Coed ... ..						0.0	{ Bournemouth ... ..	0.33	49	47	or	or	0	
	{ Aberystwyth ... ..	0.05	48	46	o	r.o.c	0.0	{ Weymouth ... ..	0.36	50	47	or	d.eo	0	
	{ Lowestoft ... ..						0.1	{ Teignmouth ... ..	1.03	51	47	or	or	0	
	{ Felixstowe ... ..	-	47	44	bc.m	c.m.o	0.1	{ Torquay ... ..	1.10	51	48	or	or	0	
	{ Walton-on-Naze ... ..	-	47	45	bc.o	o.c	0.0	{ Paignton ... ..	1.11	51	46	or	or	0	
	{ Southend-on-Sea ... ..	-	47	43	o	o	0.0	{ Ilfracombe ... ..	0.33	50	45	r	r.o	0	
								{ Weston-super-Mare ... ..	1.29						



1913.

12-25

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Tuesday, 6th January, 1913.

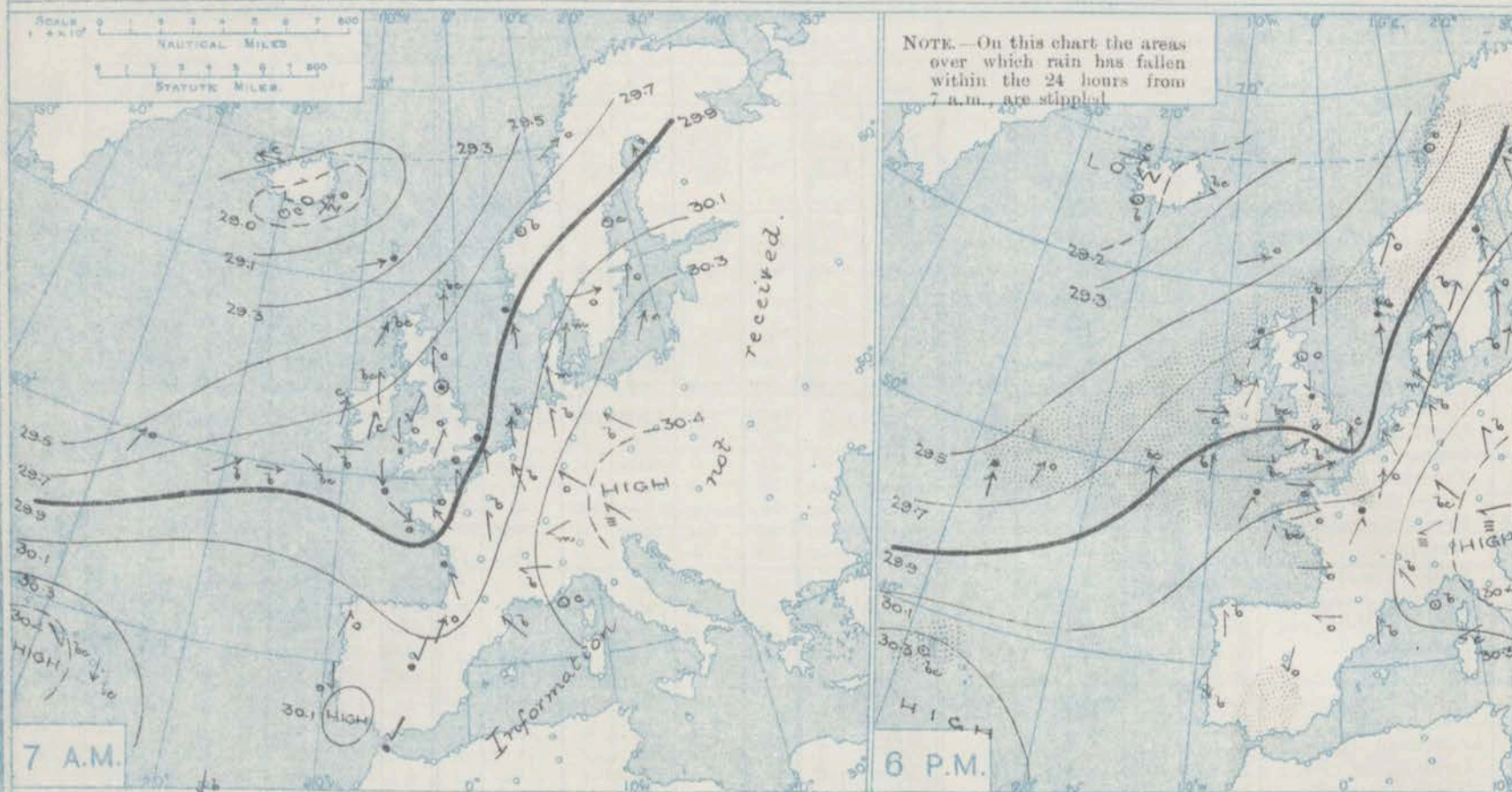
STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.		BAROMETER.		TEMP.		WIND.		Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.						
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Direc.	Force (0 to 12).	Weather.			Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night 6 p.m. to 7 a.m.				
BRITISH ISLANDS.	Lerwick ...	In.					In.	In.												Hours			
	29.67	42	S	2	b	29.67	00	42	-2	SSW	2	bc	1	0.03	44	40	b	b	bcp	*			
	Stornoway ...	29.70	39	SW	4	bcp	29.70	-03	42	+1	SSW	5	bc	5	0.03	44	36	bcp	bcp	bcp	2.8		
	Castlebay (Barra Isd.) ...																						
	Malin Head ...	29.79	39	SW	4	bc	29.75	-04	35	-2	SSW	3	bc	2	0.02	43	33	bc	bc	bcp	*		
	Blacksod Point ...	29.83	41	W	3	c	29.68	-09	44	+1	SW	6	o	4	0.06	44	38	cpm	cpm	cpm	*		
	Valencia ...	29.91	44	S	2	b	29.71	-08	47	+13	SSE	5	r	5	0.10	47	33	bcp	bc	bcp	2.9		
	Roches Point ...	29.95	42	WSW	2	c	29.85		47	+7	SW	4	o	4	0.05	47	36	b	bcp	b.p.o	*		
	Birr Castle ...	29.89	35	SW	1	b	29.78		35	0	SE	3	o	*		42	31	b	bcp	b.p.o	0.0		
	Donaghadee ...	29.87	36	SW	2	b	29.89	-02	33	-6	SSW	1	b	1		40	33	c	b	bc	*		
	Liverpool Obsy. ...	29.89	40	W	4	c	29.99	-02	35	-6	SSE	3	o	2	0.35	43	35	or	og	bc	0.0		
	Holyhead ...	29.89	43	W	3	bc	29.94	-02	41	-2	SW	5	r	3	0.32	44	40	or	or	qr			
	Pembroke (St. Ann's Hd.) ...	29.97	45	W	3	bc	29.96	-03	46	+4	SSW	4	bcp	4	0.22	47	42	ogr	cg	bc	0.6		
	Newquay ...	30.00	43	S	2	o	30.00	-02	33	-6	SE	2	b	4	0.09	47	36	or.cw	b	b.p	1.0		
	Scilly (St. Mary's) ...	30.02	44	SW	2	cp	29.99	00	46	+2	SW	4	c	5	0.18	49	41	bc	cp	bc	1.8		
	Jersey (St. Aubin) ...	30.10	47	WSW	3	o	30.14		47	-3	SSW	3	c	3	0.02	52	44	cpm, bc	c.o	bcp	1.8		
	Portland Bill ...	30.01	47	W	3	c	30.05	00	46	-5	SW	2	c	2	0.30	52	43	o.c	c	cpm	*		
	Dungeness ...	29.97	47	SW	5	c	30.12	00	47	-1	SW	4	bc	4	0.08	50	40	cp	cp.c	c.b.p	*		
	Dover ...	30.02	45	SW	4	b	30.15	*	46	0	SSW	4	o	3	0.03	49	38	or.b.c	c.b.c	b.b.c	0.0		
	Wick ...	29.71	37	SSW	2	bc	29.74	+02	36	-5	SSW	3	bc	3		41	33	o.c	em.b.c	bc			
	Nairn ...	29.75	36	SW	1	c	29.78		30	-7		0	bc	1		40	29	bc.c	cg	bc	0.0		
	Aberdeen ...	29.76	38		0	o	29.85	+01	30	-11	SSE	1	b	2		42	30	og	o	og.b.c	0.0		
	Leith ...	29.76	41	WSW	2	m	29.88	+02	36	-4	SSE	1	bc	*		42	35	og.g	of	o.c	*		
	North Shields ...	29.76	38	N	3	r	29.96	+01	36	-7	SSW	2	c	3	0.49	43	34	r	r	r.c	0.0		
Spurn Head ...	29.74	42	SSE	5	o	30.03	00	38	-7	S	4	b	4	Trace	48	37	o.c	c	bc	*			
Yarmouth ...	29.86	48	S	4	c	30.12	00	41	-6	S	3	r	3	0.07	49	37	od	o.c	bc.or	0.0			
Clacton-on-Sea ...	29.90	48	SW	5	c	30.14	00	42	-5	WSW	1	o	2	0.05	48	39	or.d	o.c	ep.o	0.0			
Nottingham ...	29.90	42	WSW	5	o	30.05	*	35	-13	WSW	1	b	*	0.03	51	34	om	or	o.e.b	0.0			
Bath ...	30.00	46	SW	1	b	30.08	*	33	-18		0	b	*		54	32				1.7			
London (Kew Obsy.) ...	30.01	44	WSW	4	b	30.12	00	42	-6	S	2	or	*	0.16	52	37	od.o	o.c.b.c	bc.or	0.0			
ICELAND & FAEROE.	Isafjord ...	29.17	32	W	4	c	28.93	-04	37	+6	E	3	o	*	*	*							
	Reykjavik ...	29.13	35		0	o	28.95	-10	39	+4	E	5	r	*	*	*							
	Vestmanna ...	29.19	38	SSE	2	c	28.91	-05	41	+6	SE	3	r	3	*	*							
	Seydisfjord ...	29.26	35	SW	3	bc	29.23	-01	32	-8		0	c	*	*	*							
	Thorshavn ...	29.40	41	WSW	7	o	29.50	+01	42	+1	S	4	c	*	*	*							
SCANDINAVIA.	Haparanda ...	29.92	25	S	2	o	29.69	-04	32	-1	S	2	f	*	0.08	34	28						
	Hernösand ...	29.92	36	S	2	r	29.79	-04	35	-3	S	4	c	*	Trace	39	34						
	Stockholm ...	30.14	36	SSW	4	o	30.04	-02	35	0	SSW	2	b	*		36	34						
	Wisby ...	30.26	34	SW	4	b	30.16	-02	38	+1	SW	4	o	*		39	34						
	Karlstad ...	30.05	35	SW	2	b	29.93	-02	36	-1	SSE	4	r	*		37	34						
	Færder (X'lania Fjord) ...	29.97	42	S	5	m	29.78	-06	43	+2	S	7	m	4	0.04	43	41						
	Bodø ...	29.67	39		0	o	29.58	-01	36	-5	SE	2	o	1	0.24	41	34						
	Christiansund ...	29.72	45	SW	3	o	29.65	-01	42	+1		0	o	3		45	41						
	Skudesnaes ...	29.78	44	S	6	r	29.56	-03	44	0	S	6	r	4	1.59	45	43						
	The Scaw (Skagen) ...	30.02	41	SSW	7	m	29.93	+01	43	+2	SSW	6	m	2		43	41						
GERMANY, &c.	Blaavands Huk ...	30.04	40	SSE	4	m	30.07	+05	42	+3	W	3	bc	3		43	37						
	Cuxhaven ...	30.12	36	S	3	b	30.19	+04	41	+9	SW	2	o	*		41	32						
	The Helder ...	29.99	44	SSE	6	o	30.19	+02	38	0	S	2	o	2		46	37						
	Brussels ...	30.12	50	SW	5	o	30.20	00	43	+3		0	o	*	Trace	50	39						
	Berlin ...	30.33	35	S	3	b	30.31	+02	33	+2	S	2	b	*		39	31						
	Frankfurt ...	30.33	32	SE	1	bc	30.38	00	33	0		0	r	*		39	30						
	Munich ...	30.48	26	E	3	f	30.55	+01	18	-7	SE	2	b	*		28	18						
	C. Gris Nez ...	30.02	48	SW	5	bc	30.16	-01	41	-5	SSE	4	b	2	Trace	48	41						
	La Hève ...	30.08	46	SSW	3	o	30.13		43	-1	SSW	3	c	3		50	39						
	Brest (St. Mathieu) ...	30.13	49	SW	2	bc	30.13	-01	50	+2	SW	3	b	5	0.04	52	45						
FRANCE.	Lorient (Bec Melen) ...	30.04	45	S	3	b	30.11	*	48	-3	SW	3	c	4	0.08	54	43						
	Rochefort (Ile d'Aix) ...	30.19	50	W	3	o	30.21	*	47	-1	WNW	3	r	*	0.32	52	46						
	Biarritz ...	30.22	52	E	2	o	30.22	*	55	-2	S	3	o	4		57	48						
	Paris ...	30.16	48	SW	3	r	30.24	+02	45	+3	SSW	1	r	*	0.12	54	44						
	Belfort ...	30.35	38	ENE	2	m	30.38	*	36	+10		0	o	*		55	36						
	Lyons ...	30.32	50	SSE	1	b	30.38	*	40	+3	E	1	c	*		55	36						
	Nice ...	30.39	50		0	b	30.45	+02	44	+12		0	r	3	Trace	55	32						
	Perpignan ...	30.26	50	S	2	b	30.28	+01	49	-1	SW	2	b	*		59	45						
	Sanguinaire ...	30.33	54	ENE	3	c	30.39	*	50		ESE	2	m	3		57	46						
	SPAIN, PORTUGAL, &c.	Corunna (8 a.m.) ...	30.15	54	S	2	b	30.19	00	39	-7	S	1	bc	6		55	36					
Lisbon (9 a.m.) ...		30.15	50	N	4	b	30.22	+03	47	-3	NE	4	o	6		55	45						
Gibraltar ...		30.15	57	E	2	o	30.19	*	57	+2	E	4	o	2	0.09	57	55						
Azores (P. Delgada) ...							30.24	-04	61	+6	SW	4	r	3	0.20	61	55						
Azores (Horta) ...		30.37	60		0	bc	30.24																

\* Information for these columns not usually received.

† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 5<sup>TH</sup> JANUARY.



## GENERAL INFERENCE

There are no indications of any material modification in the general situation. Another depression on the Atlantic

## WEATHER PROSPECTS.

appears about to extend over the whole of the United Kingdom and its neighbourhood.

## FORECASTS FOR THE 24 HOURS NOON MONDAY

## TO NOON TUESDAY.

- 0 { a }  
b
- 1 { a }  
b
- 2 { a }  
b
- 3 { a }  
b
- 4 { a }  
b
- 5 { a }  
b

Southerly and South-  
Westerly winds, increasing in force, becoming much milder, with some rain.

Southerly and South-Westerly  
winds, freshening; much cloud,  
some rain; temperature rising.

### FORECAST DISTRICTS.



### STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

SOUTH CONE HOISTED  
AT 8.15 a.m. today.

- 6 { a }  
b
- 7 { a }  
b
- 8 { a }  
b
- 9 { a }  
b
- 10 { a }  
b

Southerly and South-Westerly  
winds, becoming fresh or strong  
to high; rain at times; milder.

Southerly and South-Westerly  
winds, increasing, a gale in places;  
squally, rainy; mild.

### 11 WESTERN CHANNEL AND BAY.

Southerly and South-Westerly  
winds, freshening; sea moderate  
to rather rough; some mist and  
rain.

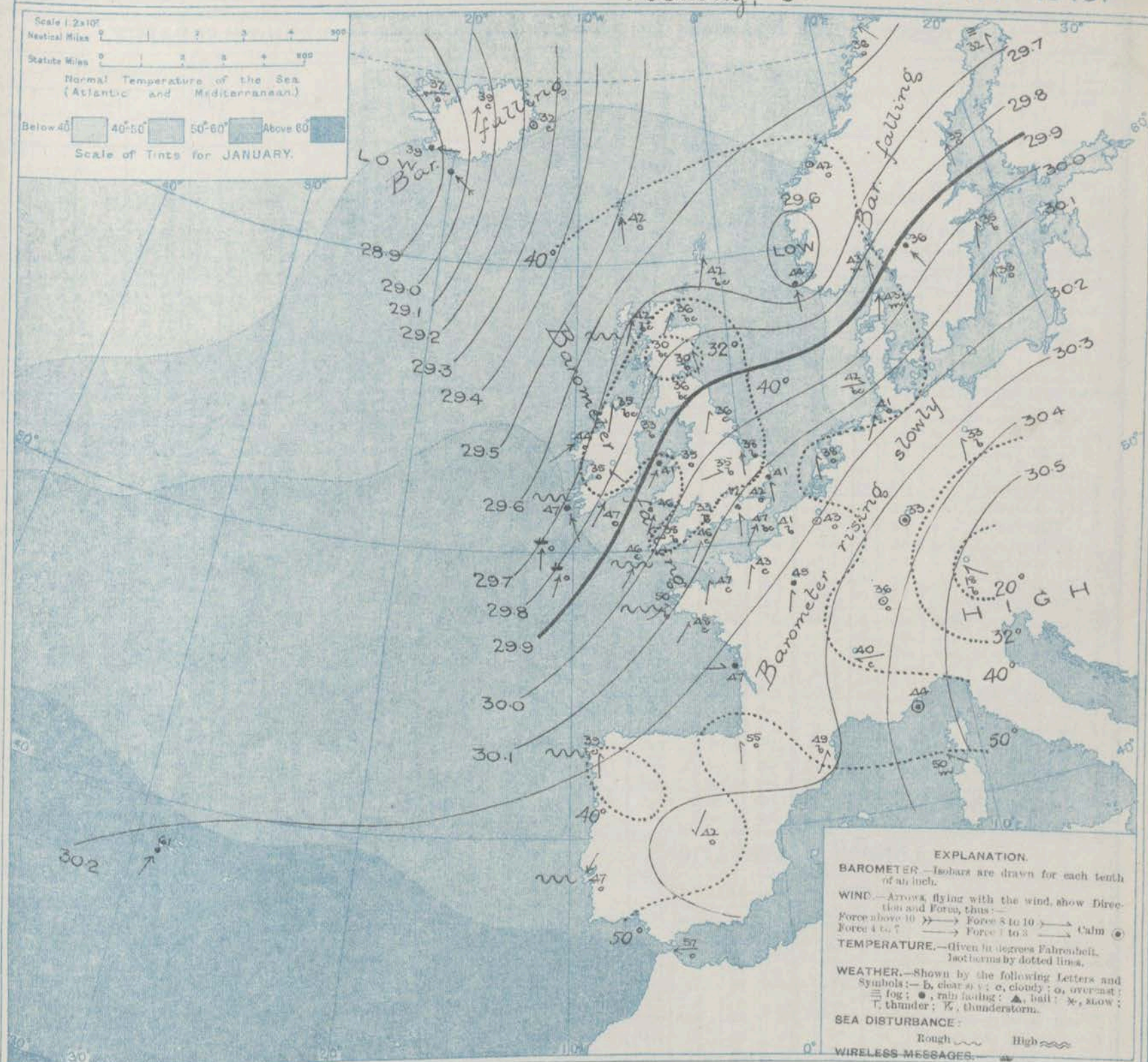
## THE FURTHER OUTLOOK.

(All Districts).

General condition continuing unsettled.



# SYNOPTIC CHART FOR 7 A.M. Monday, 6<sup>th</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.5 in. in an anticyclone over Bavaria, below 29.6 in. in a depression over the south-west of Norway, and below 28.9 in. in a much larger disturbance apparently having its minimum to the westward or south-westward of Iceland.

The main wind current over these Islands and North-Western Europe is southerly to south-westerly, and its force light to moderate generally. On the west coast of Ireland, however, it is fresh or strong, and on the south coast of Norway strong to high. In the west of Iceland, where the wind

draws into the Eastward, it blows a gale. Temperature has fallen except at our extreme south western stations and at some places on the Continent, and in Iceland. Over the United Kingdom it ranges from 47° at Dungeness and on the south coast of Ireland to 35° at Birr Castle and Nottingham, 33° at Bath, and 30° at Nain and Aberdeen. Hard frost prevails at Munich, the thermometer standing at 18°. The weather varies greatly in different localities. In some parts of Ireland and England rain is falling, while in other places the sky has little cloud. Rain is also falling in some parts of France, Western Germany and Scandinavia.



## DAILY WEATHER REPORT.

Monday, 6th January, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
6th Jan 7am	49	10	Finland	O	29.88	-.20	SSW	6-7	o										
6th Jan 7am	50	11	Ascania	H	29.70	-.02	S	6-7	o	5th Jan 6pm	50	15	Ascania	H	29.80	-.01	S	4-5	bc
5th Jan 6pm	49	24	Campania	H	29.52	-.02	SSW	6-7	o	" 1pm	55	10	Corinthian	H	29.68	-.01	WSW	4-5	bc
	48	28	Minnehaha	H	29.54	-.09	SSW	6-7	r										

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.	
Scotland.		In.					Hr.
Oban							
Stonehaven							
St. Andrews							
Carnoustie							
England, N.E.							
Harrogate		0.54	41	37	ogr	ogr	0.0
Scarborough		"	49	42	of	og	0.0
England, N.W.							
Blackpool		0.95	43	40	or	or	0.0
Southport		0.40	42	40	or	or	0.0
Buxton (q.p.m.)		0.42	38	36	cr	cr	0.0
Matlock							
Douglas							
Wales.							
Rhyl		0.49	43	40			0.0
Colwyn Bay		0.76	43	39	bep.r	pr.bc	0.0
Llandudno		0.73	43	40	or	bc	0.0
Bettws-y-Coed		"					
Aberystwyth		0.33	43	43	r.o	o.bc	0.0
England, E.							
Lowestoft		0.02	43	43	op	op	0.0
Felixstowe		0.09	49	45	m.or	cm	0.0
Walton-on-Naze		0.03	43	45	op.c	z.opu	0.0
Southend-on-Sea		0.06	49	45	r	r	0.0
England, S.E.							
Margate		0.01	50	45			0.0
Ramsgate		"	49	45			0.0
Deal		0.06	50	45	or	ep.o	0.0
Folkestone		0.20	49	41	bc.r	or.bc	0.0
Littlestone		"					0.0
Hastings		0.32	50	45	or	o.bc	0.0
Bexhill-on-Sea		0.35	50	47	r.og	og	0.0
Eastbourne		0.25	50	47	orq	og	0.0
Seaford		0.19	50	46	r.g		0.0
Brighton		0.33	50	47	or.o.c	c.bc.b	0.0
Worthing		0.44	50	45			0.0
Littlehampton		"					0.0
Bognor		"					0.0
Southsea		0.20	49	40	c.bc	bc	0.0
Bournemouth		0.43	51	42	w.e.	b	0.0
Weymouth		0.25	51	44	c.bc	bc.b	0.0
Teignmouth		0.63	52	44	opq.b	b	0.0
Torquay		0.47	53	44	o.c	bc.b	0.0
Paignton		0.50	53	45		o.bc.c	0.0
Ilfracombe		0.66	46	43	r.e.bc	bep.c	0.0
Weston-super-Mare		0.50	52	44	ep.bc	b	0.0

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rainfall.	WEATHER.			Sunshine for Yesterday.
	1 p.m. Yesterday.	9 a.m. To-day.	In Screen.	Min. on Grass.		Forenoon.	Afternoon.	Night.	
	%	%	Max.	Min.		24 HOURS ENDED 9 a.m. TO-DAY.			
Greenwich (Royal Obs.)	78	97	51	36	29	0.30	o	o.bc	6.0
City (Banhill Row)	"	"	"	"	"	"	"	"	0.0
Westminster (St. James's Pk.)	75	91	52	39	32	0.27	bc.o	o	0.1
Camden Sq. (Brit. Rainfall)	"	95	52	37	30	0.24	c.o	o	0.0
Hampstead (Reservoir)	"	93	50	37	30	0.15	c	c.bc	0.0
Kew. (See front page.)	"	"	"	"	"	"	"	"	0.0
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									
Total.			Average Rate.		Max. Rate.				
S. Kensington (Roof of M.O.)			116	Joules.	4.1	Milliwatts.	13	Milliwatts.	0.0

## Additional Observations for Yesterday.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.			Sunshine for Yesterday.
		In Screen.	Night Min. on Grass.	Night.	Forenoon.	Afternoon.	
		Max.	Min.				
Dublin to 4 p.m.	In.	43	40	38	o	o.c	6
Plymouth to 9 p.m.	"	"	"	"	"	"	"
Darwen	"	"	"	"	"	"	"
Manchester	"	"	"	"	"	"	"
Birmingham	0.39	49	36	40	r.o	o	0.0
Oxford to 8 p.m.	"	52	39	34	ndog	o	0.0
S. Kensington (Museum Grounds to 6 p.m.)	0.18	52	44	"	o	o	0.0

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

6th 7th Jan. 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	8.5	11.59	3.52
	8.4	11.59	3.54
Greenwich	8.6	12.6	4.5
	8.6	12.6	4.6
Wick	9.1	12.18	3.34
	9.0	12.18	3.36
Valencia	8.50	12.47	4.43
	8.49	12.47	4.44

During yesterday temperature rose to above 50° at our southern and south-western stations, but only to about 40° at some places in the north. Rain has been experienced in most parts of Ireland and England, the heaviest fall reported this morning being 0.5 in. at Bote Shields. Little bright sunshine was recorded. Over a large portion of the Kingdom there was none, but at some stations in Ireland, the Hebrides and on the coast of Devon nearly 3 hours were reported. According to wireless reports a moderate to strong Southerly and South-Westerly wind prevailed as far west as the 28th meridian, with variable weather.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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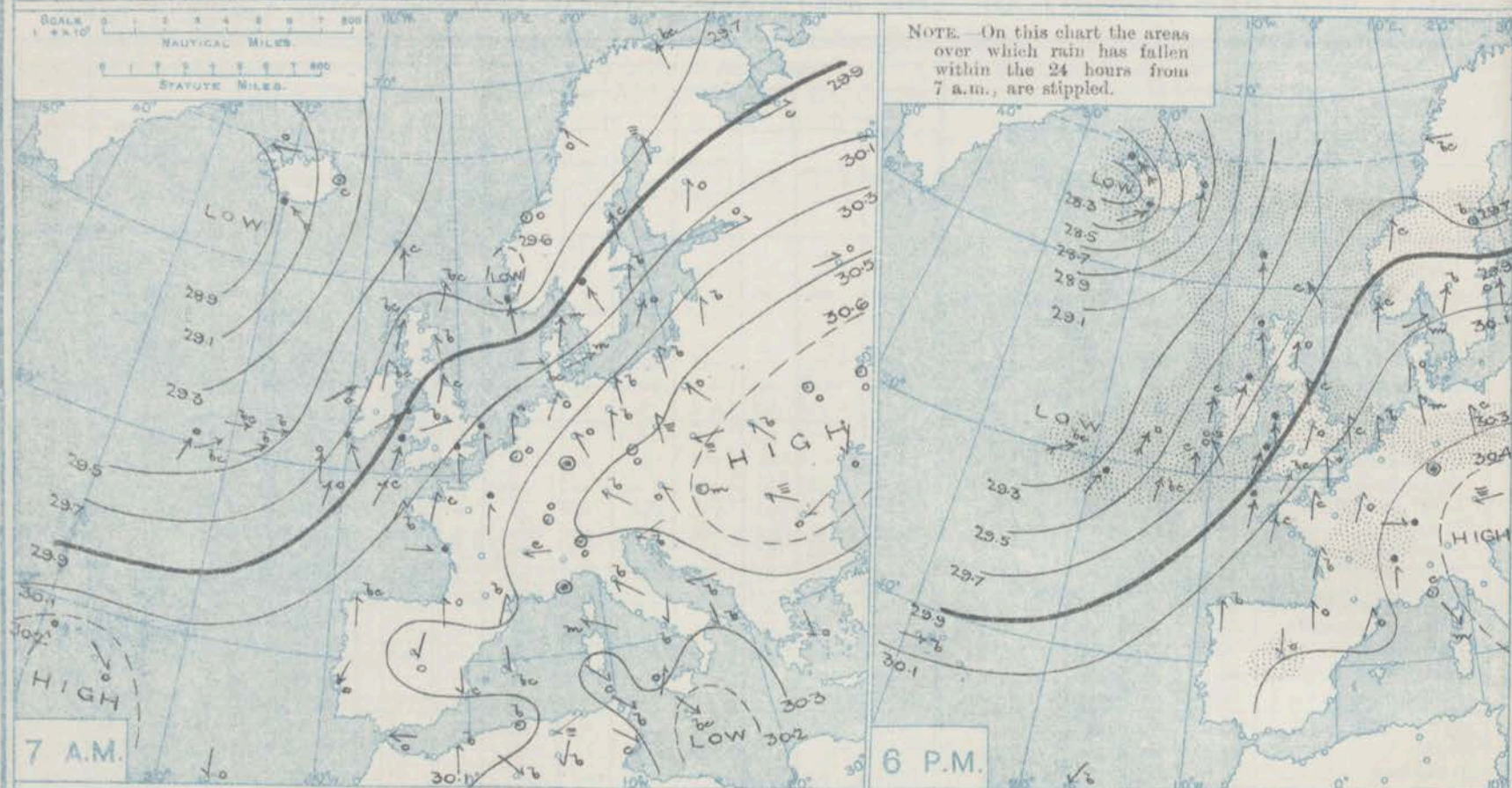


{ Yesterday.  
{ 7th January, 1913.

† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 6<sup>TH</sup> JANUARY.



GENERAL INFERENCE

## WEATHER PROSPECTS.

The main depression over the Icelandic region will cease gradually to affect directly the weather over the United Kingdom, but the pressure-distribution will continue

favourable for the approach of further cyclonic systems from the Atlantic.

FORECASTS FOR THE 24 HOURS NOON TUESDAY

TO NOON WEDNESDAY.

0 {  
1 {  
2 {  
3 {  
4 {  
5 {

Wind southerly or south-westerly, moderate or fresh, strong at times in places; much cloud, some rain; temperature high.

Southerly to south-westerly winds, light to fresh; cloudy or overcast generally, some rain at times, damp air.

### FORECAST DISTRICTS.



### STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

SOUTH CONE HOISTED AT 8.15 A.M. YESTERDAY.

6 {  
7 {  
8 {  
9 {  
10 {

Southerly and south-

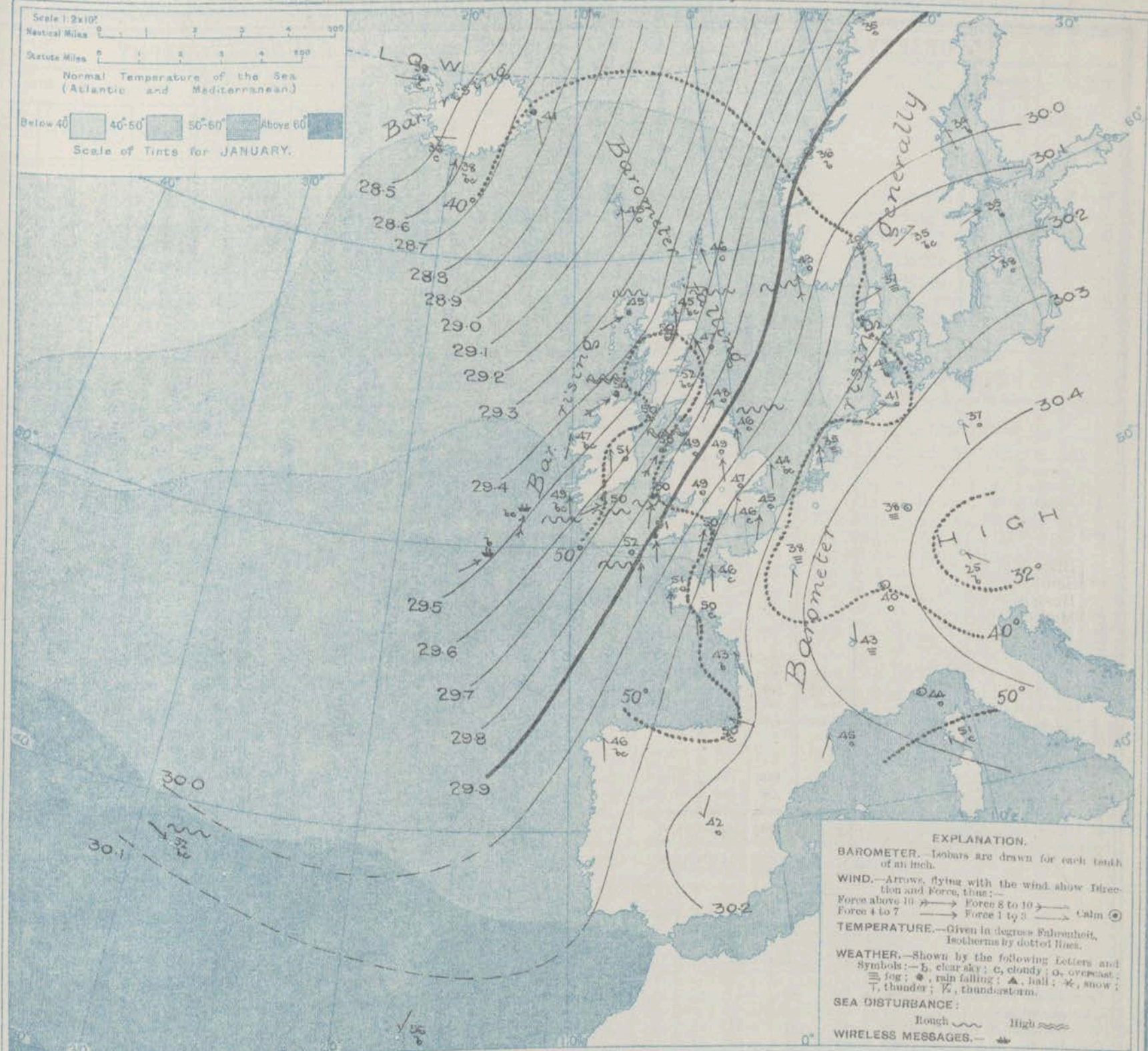
Westerly winds, fresh or strong to high; mostly overcast, some mist and rain; mild.

11 WESTERN CHANNEL AND BAY. Southerly and south-westerly winds, moderate or fresh; much cloud, some mist and rain.

THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. Tuesday, 7<sup>th</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

In a large depression centred over the Icelandic region and moving northward the barometer is below 28.5 in., while in an anticyclone over South Germany it is above 30.4 in. Southerly to South Westerly winds prevail over a very large area, and in many places blow a fresh to strong breeze or high wind, while at Holyhead, Malin Head, and Skudesnaes they have the force of a gale. A gale is also reported (by a wireless message) about 100 miles west of Valencia. Temperature has risen over the United Kingdom and also in Germany—very

quickly in some parts of Ireland, and western and northern Britain. The readings range over these Islands from 52° at Leth and Seilly, and 51° at Birr Castle to 44° at Great Yarmouth. Frost prevails at Munich, and the thermometer is not much above 32° over a large portion of Scandinavia. Rain is falling at some of our western and north-western stations and also at Cape Gris Nez and Seydisfjord, and the atmosphere is misty in several localities. As a whole the sky is very cloudy or overcast, but in some places both in this country and on the continent the conditions are finer.



## DAILY WEATHER REPORT.

Tuesday 7th January, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
7th Jan.	51	12	Dominion	H	29.43	+0.2	SSW	3-9	bc										
7th Jan.	49	14	Minneapolis	H	29.49	+0.1	SW	4-5	b	6th 6 p.m.	49	14	Finland.	O	29.64	-0.11	SSW	6-7	bc
6th 6 p.m.	49	19	Minnetonka	O	29.25	-0.06	SSW	4-5	r	" 7 a.m.	50	17	Caronia	O	29.52	?	WSW	4-5	b
"	51	11	Campania	H	29.51	.00	S	6-7	c	"	50	23	Minneapolis	H	29.53	0	SW	6-7	r
"	50	24	Caronia	O	29.22	-0.02	W	6-7	c	"	50	21	Lake Michigan	O	29.44	-0.04	WSW	6-7	bc
"	50	22	?	O	29.16	+0.02	WSW	8-9	bc	"	50	17	Campania	H	29.50	+0.03	WSW	4-5	b
"	49	19	Minneapolis	H	29.29	.00	SW	4-5	r	"	50	19	Dominion	H	29.38	+0.02	W	6-7	bc
"	51	15	Dominion	H	29.30	.00	SSW	8-9	o	"	51	16	Canada	O	29.47	+0.02	W	6-7	b

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.			STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.							Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban ...	In.	.	.	.	.	Hr.	England, S.E.	England, S.E.	Margate ...	In.	.	.	.	.	.	Hr.
	Stonehaven ...	.	.	.	.	.	.			Ramsgate ...	.	48	38	o.c.	c.o.	.	.
	St. Andrews ...	.	41	30	bc.	o	2.2			Deal ...	0.01	49	38	bc. cp	bc. o	.	2.3
	Carnoustie ...	.	.	.	.	.	.			Folkestone ...	0.03	48	39	bc. bc	r. bc. o	.	1.3
Eng. N.E.	Harrogate ...	.	38	31	bc. c.o	o	0.0	England, S.E.	England, S.E.	Littlestone ...	.	.	.	.	.	.	.
	Scarborough ...	.	47	33	o.c.	o.c.	0.0			Hastings ...	.	50	39	bc. o	o. bc.	.	2.1
England, N.W.	Blackpool ...	0.03	42	34	c	or	1.5	England, S.E.	England, S.E.	Bexhill-on-Sea ...	.	50	40	c.o	o. bc. b	.	2.2
	Southport ...	0.03	41	35	c. bc. o	or	2.1			Eastbourne ...	.	52	38	bc	c. bc. o	.	2.1
	Buxton ...	0.27	39	32	bc. bc	bc. bc	0.6			Seaford ...	.	50	38	o. bc.	b.	.	2.4
	Matlock ...	.	.	.	.	.	.			Brighton ...	0.22	50	37	c. bc.	bc. c.o	.	3.0
Wales.	Douglas ...	.	.	.	.	.	.	England, S.W.	England, S.W.	Worthing ...	0.06	51	37	bc	bc	.	4.0
	Rhyl ...	0.04	45	34	.	.	1.7			Littlehampton ...	.	.	.	.	.	.	.
	Colwyn Bay ...	0.12	43	38	bc	bc	1.0			Bognor ...	.	.	.	.	.	.	.
	Llandudno ...	0.07	43	36	bc	bc	0.5			Southsea ...	0.09	51	40	af. c. b	c. b. or. o	.	2.8
England, E.	Bettws-y-Coed ...	.	.	.	.	.	.	England, S.W.	England, S.W.	Bournemouth ...	0.25	49	40	c. bc.	c. o	.	2.0
	Aberystwyth ...	0.05	46	38	o. c. o	o. or	0.5			Weymouth ...	0.16	52	42	bc. c	c	.	2.0
	Lowestoft ...	0.20	45	36	op. c	c. bc.	2.3			Teignmouth ...	0.08	49	34	bc. cp	cp	.	1.0
	Felixstowe ...	0.08	46	38	m. op	bc. m. o	2.2			Torquay ...	0.18	51	36	b	bc. c. op	.	1.0
England, E.	Walton-on-Naze ...	0.17	45	42	m. p. o. c. r	bc. b	1.6	England, S.W.	England, S.W.	Paignton ...	0.18	49	33	bc	p	.	3.7
	Southend-on-Sea ...	0.28	43	39	r	bc. b	2.0			Ilfracombe ...	0.13	49	40	bc. c. o	or. ce	.	0.4
		.	.	.	.	.	.	England, S.W.	England, S.W.	Weston-super-Mare ...	0.02	48	37	b	bc. or	.	2.5

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.			Sun-shine for Yesterday.	
	1 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.			
			Max.	Min.		Max.						Min.								
			24 HOURS ENDED 9 A.M. TO-DAY.																	
Greenwich (Royal Obs.) ...	%	%	43	41	36.	0.01	d. bc	bc	bc	Hr.	Dublin to 4 p.m.	In.	51	34	20	b. bc	b. or	c. b	Hr.	
City (Banfill Row) ...	*	*	*	*	*	*	*	*	*	0.9	Plymouth to 9 p.m.	0.05	51	41	31	ag	c. b	ag	0.9	
Westminster (St. James's Pk.)	80	92	49	43	38	0.01	d. cm	on	r. bc	1.3	Darwen "	0.12	41	33	30	b. c. f.	f. or	or	1.3	
Camden Sq. (Brit. Rainfall)	85	88	48	42	38	-	o	o. c	b. c	0.8	Manchester "	0.05	46	33	*	c. bc	bc. or	or	0.8	
Hampstead (Reservoir) ...	*	91	46	40	36	-	o. bc	cm	open	3.0	Birmingham "	*	*	*	*	*	*	*	3.0	
Kew. (See front page.)	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										Oxford to 8 p.m.									
			Total.		Average Rate.		Max. Rate.													
S. Kensington (Roof of M.O.)	84	88	165 Joules.		5.7 Milliwatts.		16 Milliwatts.		S. Kensington (Museum Grounds to 6 p.m.)											
									0.21											

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

7th & 8th Jan 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 8.4 8.4	G.M.T. 11.59 12.0	G.M.T. 3.54 3.56
Greenwich ...	8.4 8.6	12.6 12.7	4.6 4.8
Wick ...	9.0 9.0	12.18 12.19	3.36 3.38
Valencia ...	8.49 8.49	12.47 12.48	4.44 4.46

## NOTES ON YESTERDAY'S WEATHER.

During yesterday or in the night the thermometer rose to 50° or above over a large portion of the United Kingdom, and similar readings occurred in many parts of France. Rain has fallen over the greater part of the Kingdom, but generally the quantity has been slight. Bright sunshine was experienced over the major portion of this country, the highest figures being 4.8 hours at Jersey, and about 4 hours at Worthing, Littlehampton and Paignton. According to wireless reports strong winds or gales from the Southward and South Westward prevailed as far west as the 22nd meridian.

NOTE.—The information relating to weather is indicated by the following letters—b, blue sky; bc, sky half clouded; c, sky three parts clouded; d, drizzling 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; s, snow; t, thunder; u, ugly, threatening sky; v, visibility, unusual transparency; w, dew; x, hoar frost; z, dust-haze, or smoke.

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12.25.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Wednesday  
8th January, 1913.

913.

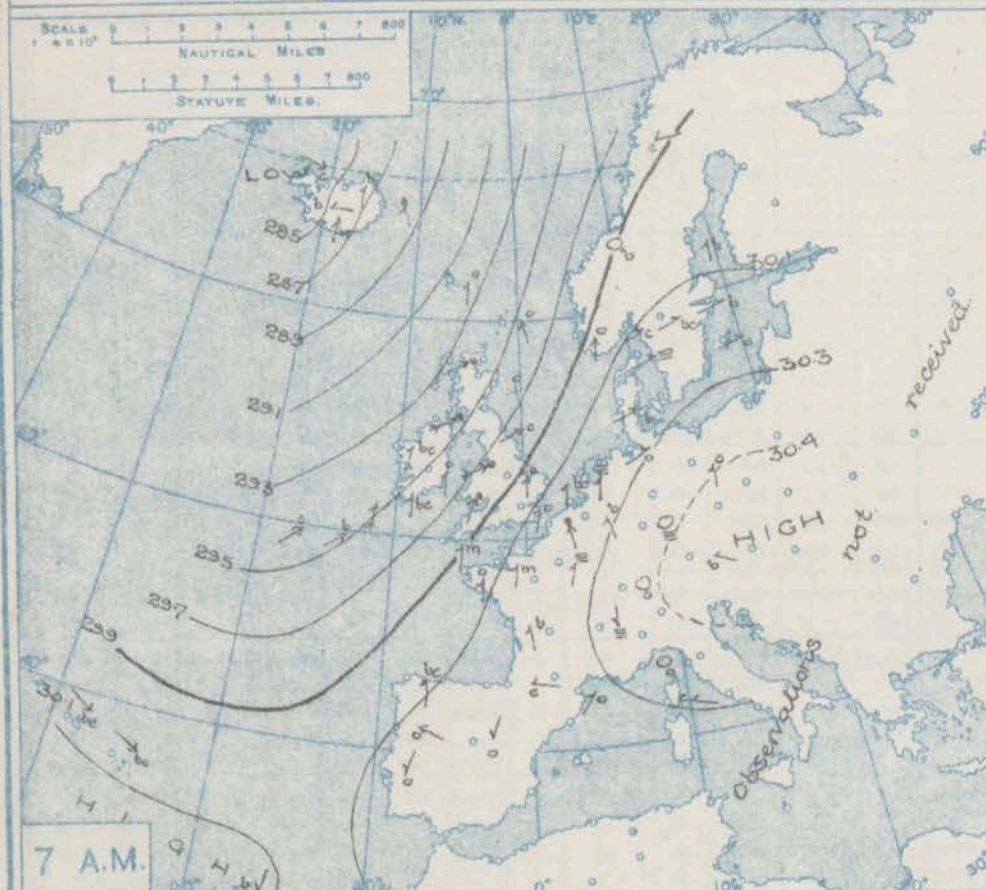
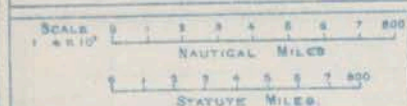
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8th January, 1913.

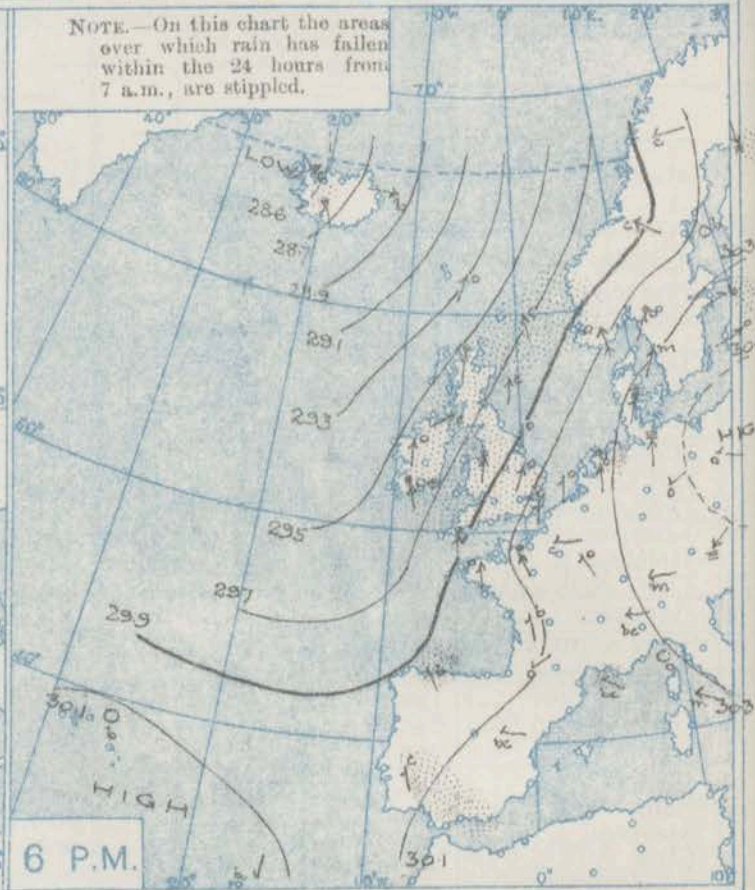
STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.						
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dir.	Force (0 to 12).			At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dir.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.			
Lerwick ... ..	In.						In.	In.							In.						Hours			
Stornoway ... ..	29.65	47	SSE	4	c	29.77	+05	47	+1	SE	6	r	5	0.44	48	44	c.c	cp	or	*				
Castlebay (Barra Isd.)	29.56	48	S	7	opq	29.58	00	46	+1	S	4	r	4	0.22	50	43	cpq	cpq	orq	0.1				
Malin Head ... ..	29.58	47	SW	4	cg	29.48	-05	49	-1	S	7	opmq	4	0.20	51	45	cgq	cgq	ompg	*				
Blacksod Point ...	29.51	50	S	6	o	29.45	-01	47	0	SSW	5	m	4	0.47	50	45	omq	omq	omq	*				
Valencia ... ..	29.57	47	SSE	4	r	29.50	-01	47	-2	SSE	3	r	5	0.37	52	45	bcvg	omr	omr	0.0				
Roche's Point ...	29.68	51	SSW	6	o	29.58		48	-2	SSW	5	r	6	0.39	51	48	odma	odma	odm	*				
Birr Castle ... ..	29.63	51	SSE	3	c	29.53		50	-1	SSE	4	r	*	0.06	53	50	c	cp	o.or	0.0				
Donaghadee ... ..	29.72	50	SSW	4	o	29.72	00	48	-2	SSE	5	og	3	0.08	51	48	odm	og	omr.og	*				
Liverpool Obsy. ...	29.91	49	SE	4	o	29.88	-02	43	-6	ESE	5	bc	3	0.01	54	43	c.bc	o.c	bc	1.9				
Holyhead ... ..	29.82	50	S	5	r	29.77	-02	47	-3	S	7	c	5	0.12	51	45	d	opm	od					
Pembroke (St. Ann's Hd.)	29.84	49	S	6	o	29.74	-03	48	-2	SSE	6	omq	6	0.12	52	47	odmq	fd	omq	0.0				
Newquay ... ..	29.91	50	SSE	4	ogm	29.76	-03	48	-3	SE	4	o	4	0.11	51	47	odgm	odgm	om	0.0				
Scilly (St. Mary's) ...	29.84	51	S	5	opm	29.70	-04	51	-1	SSE	6	cg	6	0.06	52	50	omp	omp	omq	0.0				
Jersey (St. Aubin) ...	30.11	46	SE	4	om	29.94		48	+2	SSE	4	egm	3		48	43	ome	om	bcme	0.0				
Portland Bill ... ..	30.02	48	S	6	o	30.00	-03	49	-1	SSE	5	c	4	Trace	51	46	c.o	o	o.cp	*				
Dungeness ... ..	30.14	44	SSE	5	c	30.04	-03	44	-2	SE	4	o	4		47	41	c	e	c.o	*				
Dover ... ..	30.20	42	SSW	3	o	30.10		42	-3	SSE	3	o	4	Trace	45	40	c.o	o	ome	0.0				
Wick ... ..	29.65	47	S	5	bc	29.71	+02	47	+2	S	5	c	5	Trace	48	44	bcpm	cm.bc	bc.ang	*				
Nairn ... ..	29.65	44	W	1	b	29.67		51	+1	SW	2	c	1	0.03	53	44	pq	bcq	bcq	2.8				
Aberdeen ... ..	29.76	50	S	5	c	29.86	+01	45	-2	SSE	4	o	3	0.02	51	45	q.o	o.bc	bc.op	0.0				
Leith ... ..	29.78	54	SVV	2	o	29.82	+04	49	-3	SSE	2	o	*		55	48	bc	c.o	o	*				
North Shields ...	29.90	51	S	3	og	29.95	+02	45	-3	SSE	4	o	2		53	42	o	og	o	0.0				
Spurn Head ... ..	30.03	45	SSW	6	c	30.01	-01	43	-3	SE	7	og	6		48	41	cg	cg	c.og	*				
Yarmouth ... ..	30.16	45	S	3	o	30.11	00	44	0	SSE	3	o	3		47	42	bc	bc.o	o	1.9				
Clacton-on-Sea ...	30.17	44	S	4	o	30.08	-02	44	-1	SE	3	o	2		47	41	bc.o	o	og	1.4				
Nottingham ... ..	30.04	49	SSW	5	o	29.98		45	-4	SSE	4	o	*	Trace	51	43	op	o	o.c	0.0				
Bath ... ..	30.06	47	S	3	d	29.94		48	-1	S	3	r	*		52	44	o	od	-	0.0				
London (Kew Obsy.) ...	30.13	47	S	3	o	30.02	-03	44	-3	S	3	c	*		50	44	o.c.o	om	o.c	0.3				
Isafjord ... ..	28.58	39	SW	4	c	28.95	+04	34	-4	-	0	o	*	*	*	*	GALES. Duration and Extreme Force on British Coasts.  Roche's Point. 10pm-5am. Extreme SW, 8.							
Reykjavik ... ..	28.65	35	SE	3	r	28.93	+02	32	-4	-	0	s	*	*	*	*								
Vestmanna ... ..	28.73	37	S	4	c	29.00	+02	32	-6	-	0	o	*	*	*	*								
Seydisfjord ... ..	28.83	42	W	5	b	29.14	+05	35	-6	-	0	o	*	*	*	*								
Thorshavn ... ..	29.29	46	SSW	5	o	29.48	+02	46	+1	SSE	4	o	*	*	*	*								
Haparanda ... ..	30.15	24	N	4	S	30.10	+06	20	-	-	0	f	*	0.04	32	19								
Herörsand ... ..	30.17	24	-	0	b	30.33	+05	25	-9	-	0	f	*		36	19								
Stockholm ... ..	30.31	34	WSW	2	b	30.41	00	37	+2	WSW	2	o	*	Trace	37	34								
Wisby ... ..	30.38	39	WSW	4	o	30.46	+01	39	+1	WSW	2	o	*		39	38								
Karlstad ... ..	30.29	38	SW	2	o	30.39	+08	39	+4	-	0	f	*		39	34								
Färder (K'ania Fjord)	30.20	42	SSW	6	r	30.37	+03	41	+1	SSW	5	f	3		42	39								
Bodö ... ..	29.97	33	E	2	b	30.05	+05	38	+3	E	2	bc	2		38	32								
Christiansund ... ..	29.78	45	SE	5	c	30.02	+04	47	+9	-	0	c	3		47	37								
Skudesnaes ... ..	30.09	44	SSE	8	o	30.22	+01	44	+1	SSE	8	o	5	0.12	45	41								
The Scau (Skagen) ...	30.28	42	SSW	4	m	30.42	+02	41	+4	SSW	2	o	0		42	37								
Blaavands Huk ... ..	30.32	40	SSW	3	f	30.39	+01	36	-5	SSE	3	f	2		48	34								
Cuxhaven ... ..	30.35	37	S	4	f	30.36	+01	36	-5	SE	4	m	*		45	36								
The Helder ... ..	30.28	41	S	4	o	30.22	-01	37	+2	SE	3	f	1	Trace	41	35								
Brussels ... ..	30.26	42	SE	1	c	30.16	-02	37	-2	SE	1	b	*		47	37								
Berlin ... ..	30.46	33	SE	1	o	30.46	-01	35	-2	SE	2	o	*		37	32								
Frankfurt ... ..	30.37	37	NE	2	o	30.32	+01	32	-6	NE	1	f	*		41	32								
Munich ... ..	30.44	25	NE	4	f	30.36	-03	24	-1	E	5	f	*		34	23								
C. Gris Nez ... ..	30.19	40	SE	3	b	30.09	-04	40	-7	SE	4	b	2		47	39								
La Hève ... ..	30.18	44	E	3	c	29.98		37	-4	E	5	m	4		48	34								
Brest (St. Mathieu) ...	30.01	50	SSE	4	o	29.84	-01	50	-1	SE	4	b	5		51	43								
Lorient (Bec Melen) ...	30.04	49	S	4	c	29.84		49	-1	SE	3	o	5		55	43								
Rocheport (Ile d'Aix) ...	30.09	49	SSE	3	b	29.93		46	+3	SE	3	o	*		52	41								
Biarritz ... ..	30.10	54	NE	2	o	29.95		54	+4	S	3	c	3		57	50								
Paris ... ..	30.23	41	SE	1	b	30.11	-01	39	+1	SE	2	o	*		47	34								
Belfort ... ..	30.32	38	E	4	m	30.25		32	-8	ENE	4	f	*		48	32								
Lyons ... ..	30.26	43	NW	2	bc	30.20		36	-7	NW	1	f	*		48	35								
Nice ... ..	30.26	47	-	0	o	30.19	-02	42	-2	-	0	b	1		52	41								
Perpignan ... ..	30.14	51	SE	1	c	30.05	-02	43	+3	SE	2	o	*	0.04	57	45								
Sanguinaire ... ..	30.27	53	SE	3	m	30.18		50	-1	ESE	2	m	2		57	45								
Corunna (8 a.m.) ...	30.19	57	SE	1	b	29.88	00	48	+2	SSW	3	r	6	0.24	59	45								
Lisbon (9 a.m.) ...	30.02	54	SSE	3	c	29.97	+06	51	+3	WNW	3	bc	6	0.28	57	48								
Gibraltar ... ..	30.06	57	E	2	bc	30.04		50		E	1	bc	1	0.13	57	49								
Azores (P. Delgada)																								
Azores (Horta) ...	30.12	54	-	0	b	29.89	-09	60	+8	SW	5	bc	5		60	52								
Madeira (Funchal) ...	30.13	58	N	2	b	30.19	-01	57	+1	N	2	o	2		64	46								



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 7<sup>th</sup> JANUARY.



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



## GENERAL INFERENCE

The barometrical changes in progress are not very decided, but they appear to indicate

## WEATHER PROSPECTS.

that the type of pressure distribution over these Islands will be Southerly to South-easterly.

## FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

0 {  
a South-easterly and Southerly  
b winds, fresh or strong at times; much  
cloud, some rain; colder.

1 Wind mainly between South  
2 {  
a and South-East, light or moderate,  
b fresh at times locally; much  
3 cloud generally, some brighter  
4 {  
a intervals; temperature falling  
b somewhat. Air less humid.  
5

### FORECAST DISTRICTS.



### STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

NO WARNINGS  
ISSUED.

6 {  
a Same as No. 0.  
b

7 {  
a Southerly or South-easterly  
b winds, moderate or fresh, strong  
8 {  
a or high at times locally; cloudy or  
b overcast generally, some rain  
9 {  
a in places; moderate  
b temperature.  
10 {  
a  
b

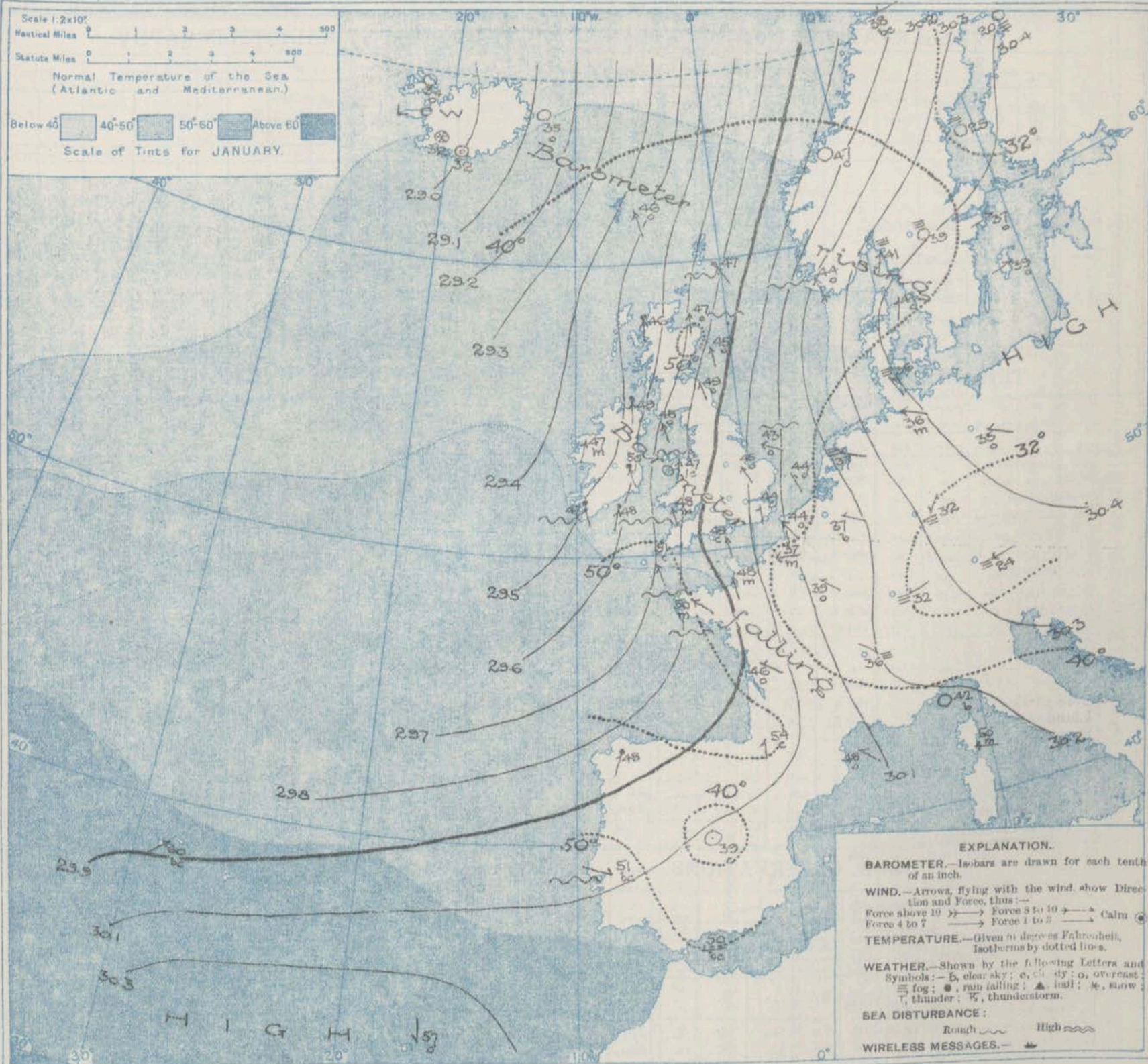
### 11 WESTERN CHANNEL AND BAY.

South-easterly winds, fresh or strong to moderate; sea rather rough to moderate; cloudy or dull, some mist or rain locally.

## THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. WEDNESDAY 8<sup>TH</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

The barometer is above 30.4 in. over the Baltic region, below 29 in. in the west of Iceland, and relatively low over the Bay of Biscay. At the Azores a brisk decrease of pressure has set in during the night.

The wind over these Islands and the surrounding region is mainly Southerly, but draws into South-East in some localities. At Skudesnaes it blows a gale, at Spurn Head, Holyhead and Malin Head a high wind, and in several other exposed places a strong or fresh breeze. Temperature has fallen in most parts

of this country, and now ranges from 51° at Barm, and 50° at Burr Castle to 43° at Liverpool and Spurn Head, and to 42° at Dover. At Biarritz the reading is 54°, but at Paris it is only 39°, at Berlin 35° and at Munich 24°. Rain is falling at Lerwick and at some of our western and north-western stations, and over the United Kingdom as a whole the sky is cloudy or overcast. Much cloud is also reported on the Continent, and fog prevails in several parts of Scandinavia, Holland, Germany and the east of France.



## DAILY WEATHER REPORT.

Wednesday, 8th January 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETRE.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETRE.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
7 a.m.	49	10	<u>Minneapolis</u>	H	29.62	+0.3	SW	1-3	r										
7 a.m.	49	18	<u>Finland</u>	O	29.45	-0.1	SW	6-7	c.										
"	51	12	<u>Dominion</u>	H	29.43	+0.2	SSW	8-9	bc										

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	0.11	51	37	oc.	bc-r	0.5	England, S.E.	Margate		47	42	0	0	0.0
	Stonehaven								Ramsgate		46	42	0	0	0.0
	St. Andrews								Deal		46	42	0	0	0.0
	Carnoustie								Folkestone		47	42	0.6c.	0.0	0.0
England, N.E.	Harrogate	0.07	51	38	oc.	c-o	0.0	England, S.E.	Littlestone		48	43	0	c-o	0.0
	Scarborough	"	51	33	oc.	oc.	0.0		Hastings		47	44	c-o	oc.	0.7
England, N.W.	Blackpool	0.03	52	41	of.	0.	0.0	England, S.E.	Bexhill-on-Sea		47	45	bc.	oc.	1.0
	Southport	0.01	51	40	of. bc.	bc-o	0.0		Eastbourne		48	44	0	bc-o	0.0
	Buxton	0.15	47	32	cr	cr	0.0		Seaford		48	44	0	bc-o	1.7
	Matlock								Brighton		48	46	c-o	c-o	0.0
Wales.	Douglas							England, S.W.	Worthing		49	47	c	c	2.0
	Rhyl	0.01	54	47			0.0		Littlehampton		"	"	"	"	2.2
	Colwyn Bay	0.13	55	46	bc.	pbc-d	0.0		Bognor		50	43	c-b.	c-b-o	3.0
	Llandudno	0.02	54	48	c-b.	o-r.	2.7		Southsea		50	42	0	0	0.2
England, E.	Bettws-y-Coed	"						England, S.W.	Bournemouth		51	47	c-o	c-o	0.0
	Aberystwyth	0.02	53	42	d-o-c.	c-o-r	0.0		Weymouth	0.01	51	47	c-o	c-o	0.0
	Lowestoft	0.01	47	38	c-b-c.	c-o	1.8		Teignmouth	0.02	51	48	od	od	0.0
	Felixstowe	0.04	47	42	bc.	g-o	1.5		Torquay	0.02	51	48	0	0	0.0
England, E.	Walton-on-Naze	"	47	43	o-c-b.	c-o	1.3	England, S.W.	Paignton	0.08	54	48	c	bc.	0.0
	Southend-on-Sea	"	47	41	bc.	bc.	0.4		Ilfracombe	"	53	48	oe	oe	0.0
									Weston-super-Mare	"	51	40	0	0	0.0

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	Rain-fall.	TEMPERATURE.			WEATHER.			Sun-shine for Yesterday.	
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In Screen.		Night Min. on Grass.	Night.	Fore-noon.	After-noon.		
			Max.	Min.									Max.	Min.						
																				24 HOURS ENDED 9 A.M. TO-DAY.
Greenwich (Royal Obs.) ...	% 85	% 92	51	41	36	—	c. of	o. b.	o. b.	2.4	Dublin to 4 p.m.	in. 0.01	55	50	47	o. q. c.	q. p. b.	c.	*	
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	"	0.4	Plymouth to 9 p.m.	0.04	51	49	48	o. q.	o. d. q.	o. d. o. q.	0.6	
Westminster (St. James's Pk.)	78	89	50	44	38	—	b. c.	b. c.	b. c.	1.1	Darwen "	0.03	49	40	31	o. w.	o. t.	o. w.	0.6	
Camden Sq. (Brit. Rainfall)	85	94	50	42	37	—	c. b. c.	b. c. c.	b. o.	0.6	Manchester "	—	52	46	"	o	o	o	0.6	
Hampstead (Reservoir) ...	"	92	47	41	37	—	o. c.	o. f.	c. f.	0.2	Birmingham "	0.02	49	44	30	o	o	o	0.6	
Kew. (See front page.)											Oxford to 8 p.m.	—	50	45	43	o. c. o.	o. d. o.	o	*	
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																				
Total.			Average Rate.			Max. Rate.			0.3											
S. Kensington (Roof of M.O.)			151 Joules.			5.3 Milliwatts.				S. Kensington (Museum Grounds to 6 p.m.)										
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW																				
8th Jan., 1913.		Sunrise.	Noon.	Sunset.																
		G.M.T.	G.M.T.	G.M.T.																
Yarmouth		8.4	12.0	3.56																
		8.3	12.0	3.57																
Greenwich		8.6	12.7	4.8																
		8.5	12.7	4.9																
Wick		9.0	12.9	3.38																
		8.59	12.9	3.40																
Valencia		8.40	12.48	4.46																
		8.48	12.48	4.48																

## NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature rose to above 50° over the greater part of the Kingdom, and except in the west and north-west there was little or no rain. At Valencia, however, the rain measurement was 0.9 in., and at Blacksd Point 0.5 in. Between 1 and 2 hours of bright sunshine was recorded in various parts of Great Britain, more than 2 hours at some stations, and 3 hours at Southsea.

NOTE.—The information relating to weather is indicated by the following letters:—b, blue sky; bc, sky half clouded; c, sky three parts clouded; d, drizzling 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; s, snow; t, thunder; u, ugly, threatening sky; v, visibility, unusual transparency; w, dew; x, hoar-frost; z, dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.



12.22.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Thursday,  
19th January, 1913.

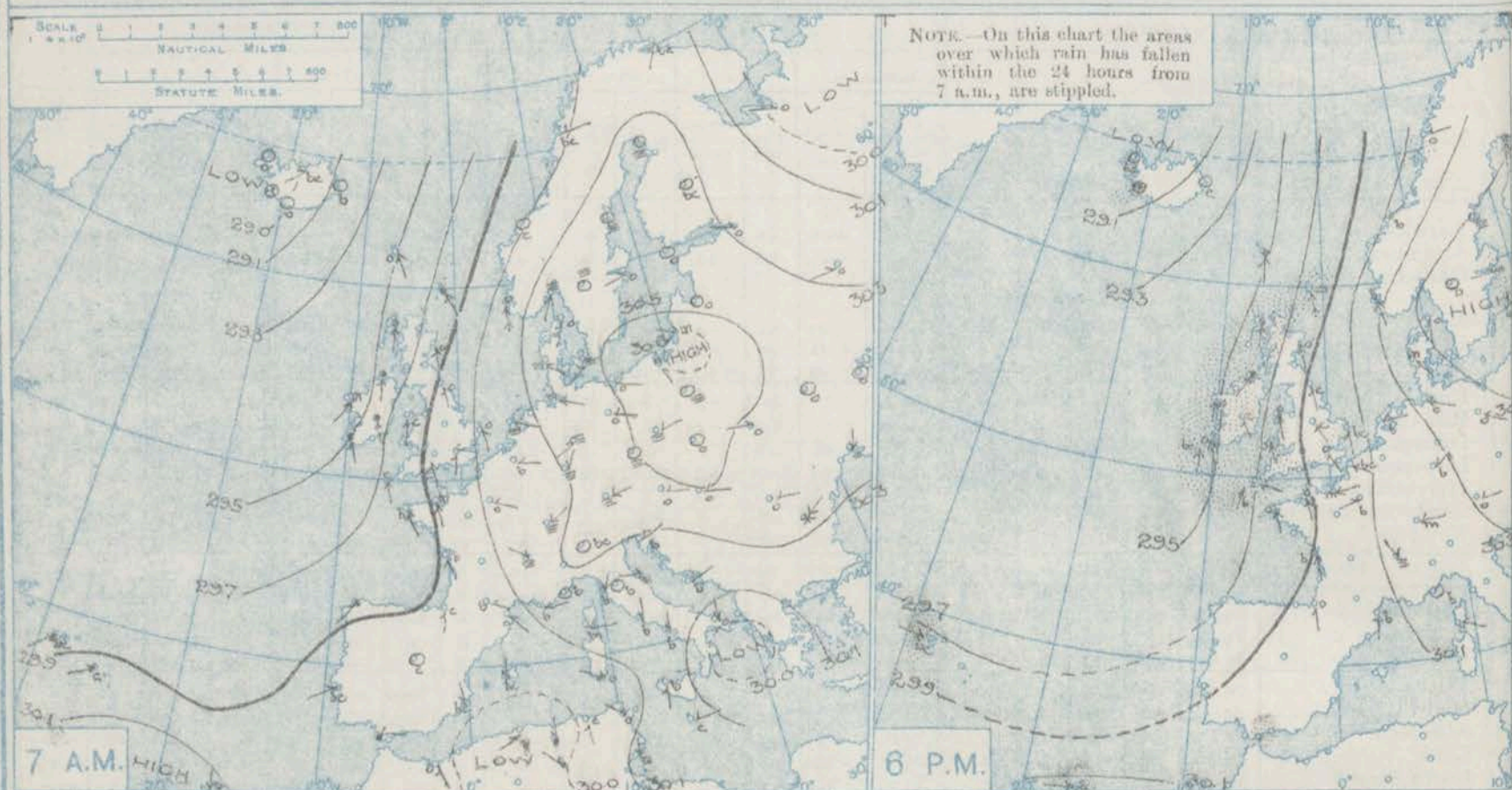
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.				
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dry Bulb.	Direc.				At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Direc.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.			
		In.					In.	In.									In.					Hours		
Lerwick ... ..		29.84	46	SSE	8	o	30.00	+0.03	45	-2	SSE	9	o	7	0.03	47	44	om	ogw	ompxm	*			
Stornoway ... ..		29.57	49	S	7	odpq	29.64	-0.04	48	+2	S	6	o	5	0.33	49	45	omq	opq	opq	0.0			
Castlebay (Barra Isd.) ... ..																								
Malin Head ... ..		29.53	46	SSW	4	or	29.42	-0.07	45	-4	S	6	cg.	4	0.11	49	43	omdq	or	cgq	*			
Blacksod Point ... ..		29.44	49	S	6	o	29.44	-0.13	49	+2	SSE	8	o	6	0.06	49	46	ompaq	omq	omq	*			
Valencia ... ..		29.48	48	SSE	4	c	29.12	-0.08	52	+5	SE	8	og	6	0.17	53	45	rmcbr	bcv	cpq	3.2			
Roche's Point ... ..		29.60	49	S	3	b	29.40	*	51	+3	S	9	o	6	0.09	51	48	omc	c-bc	bo	*			
Birr Castle ... ..		29.55	46	SE	1	e	29.40	*	49	-1	E	6	c	*	0.25	51	44	er	er.c	c	0.0			
Donaghadee ... ..		29.69	48	SSE	4	o	29.67	-0.02	48	0	SE	5	o	4	0.12	49	46	omq	ompo	om.cq	*			
Liverpool Obsy. ... ..		29.86	48	ESE	4	o	29.82	-0.00	46	+3	ESE	5	o	3	-	48	42	bc	bc	o	3.3			
Holyhead ... ..		29.73	47	SSE	6	c	29.71	-0.02	49	+2	S	6	b	5	0.01	51	45	bc	e	c	*			
Pembroke (St. Ann's Hd.) ... ..		29.71	48	SE	6	o	29.68	-0.02	48	0	SSE	6	cg	6	0.22	50	47	omq	cg	opq	0.9			
Newquay ... ..		29.72	49	SSE	4	or	29.67	-0.02	48	0	SE	6	b	4	0.35	51	46	c-bc	c-o	Cor	1.4			
Scilly (St. Mary's) ... ..		29.69	50	SSW	4	cm	29.60	-0.06	50	-1	SSE	7	bcm	6	0.12	52	48	omq	cm	b	0.0			
Jersey (St. Aubin) ... ..		29.89	47	SSE	4	ogm	29.92	*	47	-1	SSE	4	omq	3	0.04	48	45	o.c	c-ogm	ogrom	3.2			
Portland Bill ... ..		29.87	49	SE	5	bc	29.88	+0.01	50	+1	SSE	4	c	4	0.01	50	48	c	c-bc	bcp	*			
Dungeness ... ..		29.98	47	SE	4	c	30.00	-0.00	45	+1	SE	4	c	4	-	47	42	o	o.c	og.c	*			
Dover ... ..		30.04	45	E	3	b	30.06	*	44	+2	SSE	2	b	3	-	46	40	o	o.bm	bma	0.1			
Wick ... ..		29.73	45	SSE	7	bc	29.82	+0.01	45	-2	SSE	7	cg	6	Trace	47	44	comq	cm.bcg	cgq	*			
Nairn ... ..		29.71	48	SSW	3	c	29.77	*	47	-4	SW	1	c	1	Trace	52	38	bc.cg	bc.c	cg	1.8			
Aberdeen ... ..		29.87	44	SSE	5	o	29.93	+0.01	44	-1	SSE	5	o	4	-	45	44	og	og	cg	0.0			
Leith ... ..		29.83	48	SSE	2	c	29.83	-0.02	45	-4	SE	3	c	*	-	49	42	o.c	ogp	c-bc	*			
North Shields ... ..		29.94	42	SSE	3	c	29.94	-0.00	42	-3	ESE	3	o	3	-	46	39	o.c.o	c	o	0.0			
Spurn Head ... ..		30.00	44	SE	6	o	30.00	-0.00	42	-1	SE	6	om	5	-	44	42	cg	cg	o.cq	*			
Yarmouth ... ..		30.06	43	SSE	3	b	30.07	+0.02	43	-1	SSE	4	o	4	0.03	45	42	o	o-bc	bcp	0.0			
Clacton-on-Sea ... ..		30.03	44	SE	2	bc	30.03	-0.00	44	0	SE	3	bc	3	-	45	42	og	og.bcm	bc	0.0			
Nottingham ... ..		29.94	42	SE	3	e	29.93	*	45	0	SE	3	o	*	-	46	40	a.c-bc	bc.c	c-o	2.5			
Bath ... ..		29.90	47	SE	3	o	29.90	*	50	+2	SSE	2	o	*	-	51	46	o	o	-	0.0			
London (Kew Obsy.) ... ..		29.98	45	SE	3	om	29.98	-0.00	44	0	SE	2	b	*	-	47	43	c-cm	om	omc-bc	1.2			
Isafjord ... ..		29.08	27	-	0	bc	29.15	-0.04	38	+4	SE	7	c	*	*	*	*	GALES Duration and Extreme Force on British Coasts.						
Reykjavik ... ..		29.06	33	-	0	s	28.88	-0.16	38	+6	ESE	7	c	*	*	*	*							
Vestmanna ... ..		29.12	35	o	3	c	28.93	-0.11	42	+10	E	9	o	3	*	*	*							
Seydisfjord ... ..		29.15	39	-	0	c	29.39	-0.01	43	+8	SE	2	c	*	*	*	*							
Thorshavn ... ..		29.48	47	S	6	r	29.68	+0.01	45	-1	SSE	6	o	*	*	*	*							
Haparanda ... ..		30.49	27	S	2	s	30.59	+0.02	30	+10	SW	2	o	*	0.08	30	19	Lerwick. 10am-7am Extreme SSE. 9.						
Hernösand ... ..		30.50	30	-	0	f	30.60	+0.04	29	+4	-	0	o	*	-	36	23							
Stockholm ... ..		30.55	38	W	2	r	30.62	+0.02	36	-1	WMW	2	o	*	Trace	38	36							
Wisby ... ..		30.56	39	WSW	1	o	30.62	+0.01	38	-1	NW	2	f	*	Trace	39	36							
Karlstad ... ..		30.56	38	-	0	o	30.63	+0.04	36	-3	-	0	f	*	-	41	36							
Færder (X'ania Fjord) ... ..		30.51	39	S	4	o	30.58	+0.02	38	-3	NW	2	o	3	-	41	37	Malin Head 9am-10am S. 8.						
Bodö ... ..		30.17	42	E	2	o	30.37	+0.03	40	+2	E	1	o	1	0.12	42	36							
Christiansund ... ..		30.15	43	NE	1	b	30.31	+0.01	42	-5	ESE	1	b	3	-	52	39							
Skudesnaes ... ..		30.30	42	SSE	6	b	30.35	+0.01	41	-3	SE	4	b	4	-	45	39							
The Scaw (Skagen) ... ..		30.50	41	S	3	o	30.55	+0.01	39	-2	SSE	4	o	1	-	41	39							
Blaavands Huk ... ..		30.37	37	SE	4	m	30.39	+0.01	34	-2	SE	4	m	3	-	37	32	Valencia 4am-7am SE 8						
Cuxhaven ... ..		30.35	36	SE	5	o	30.36	-0.00	32	-4	SE	5	o	*	-	39	32							
The Helder ... ..		30.18	39	E	3	b	30.22	+0.01	34	-3	SE	4	b	1	-	39	34							
Brussels ... ..																								
Berlin ... ..		30.47	35	SE	2	o	30.48	-0.00	31	-4	E	3	o	*	-	36	30							
Frankfurt ... ..		30.29	32	NE	1	b	30.32	+0.01	30	-2	SE	3	o	*	-	39	30	Wick. 2am-6am SSE. 9						
Munich ... ..		30.32	25	E	3	o	30.36	+0.01	23	-1	SE	2	f	*	-	27	23							
C. Gris Nez ... ..		30.01	44	SE	5	bc	30.03	-0.00	44	+1	SE	1	o	2	-	46	39							
La Hève ... ..		29.99	39	E	5	m	29.97	*	38	+1	ESE	3	m	3	-	45	36							
Brest (St. Mathieu) ... ..		29.80	50	SSE	4	o	29.78	+0.04	49	-1	S	5	b	5	-	52	46							
Lorient (Bec Melen) ... ..		29.83	50	S	3	o	29.85	*	49	0	S	3	b	3	-	52	41	Aberdeen 4pm Squall SSE. 4mph						
Rochefort (Ile d'Aix) ... ..		29.92	49	SSE	3	b	29.97	*	45	-1	SSE	3	b	3	-	50	45							
Biarritz ... ..		29.94	56	SSE	3	o	30.00	*	47	-7	ESE	2	b	5	-	59	34							
Paris ... ..		30.04	43	WSW	2	b	30.09	+0.01	43	+4	SSE	2	b	*	-	50	38							
Belfort ... ..		30.22	30	E	4	m	30.30	*	27	-5	E	3	m	*	-	38	27							
Lyons ... ..		30.15	38	NW	1	f	30.25	*	33	-3	N	1	m	*	-	46	32	Corunna (S.a.m.) Lisbon (S.a.m.) Gibraltar ... .. Azores (P. Delgada) Azores (Horta) Madeira (Funchal) ... ..						
Nice ... ..		30.16	47	-	0	b	30.22	+0.01	38	-4	-	0	b	3	-	54	37							
Perpignan ... ..		30.04	50	S	2	b	30.09	+0.02	39	-9	SW	2	b	*	-	56	38							
Sanguinaire ... ..		30.17	82	ESE	3	c	30.19	*	50	0	SE	3	m	3	-	55	45							
Corunna (S.a.m.) ... ..																								
Lisbon (S.a.m.) ... ..																								
Gibraltar ... ..		30.07	53	W	3	bc	30.12	*	49	-1	NW	2	bc	1	0.26	55	49	Azores (P. Delgada) Azores (Horta) Madeira (Funchal) ... ..						
Azores (P. Delgada) ... ..																								
Azores (Horta) ... ..		29.73	59	W	5	bc	29.83	+0.02	55	-5	W	4	o	4	0.55	61	55							
Madeira (Funchal) ... ..		30.13	60	W	4	o	30.11	-0.04	62	+5	W	4	o	3	Trace	64	48							

\* Information for these columns not usually received.

† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 8<sup>TH</sup> JANUARY.



## GENERAL INFERENCE

The Barometrical changes in progress indicate that a Southerly type of pressure distribution,

## WEATHER PROSPECTS.

with moderate to steep gradients over the United Kingdom, will continue for the present.

## FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

- 0 {  
a } Southerly winds, fresh or strong, a  
b } gale at times; cloudy or dull generally,  
some rain later; mild.
- 1 {

- 2 {  
a } Wind South-Easterly or  
b } Southerly, fresh or strong at times;  
cloudy or overcast generally; rather  
mild.
- 3 {

- 4 {  
a } Wind between South and  
b } South-East, increasing in force; fair  
to overcast; temperature  
undergoing little change.
- 5 {

### FORECAST DISTRICTS.



### STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Coast	South Coast
North Coast	North Coast

South Coast hoisted yesterday at 2.30 p.m. in Districts 0, 1, 2, 3 and 4 and at 7.0 p.m. in 7, 8, 9, 10.

- 6 {  
a }  
b }

- 7 {  
a }  
b }

- 8 {  
a }  
b }

- 9 {  
a }  
b }

- 10 {  
a }  
b }

Same as Nos. 0 and 1.

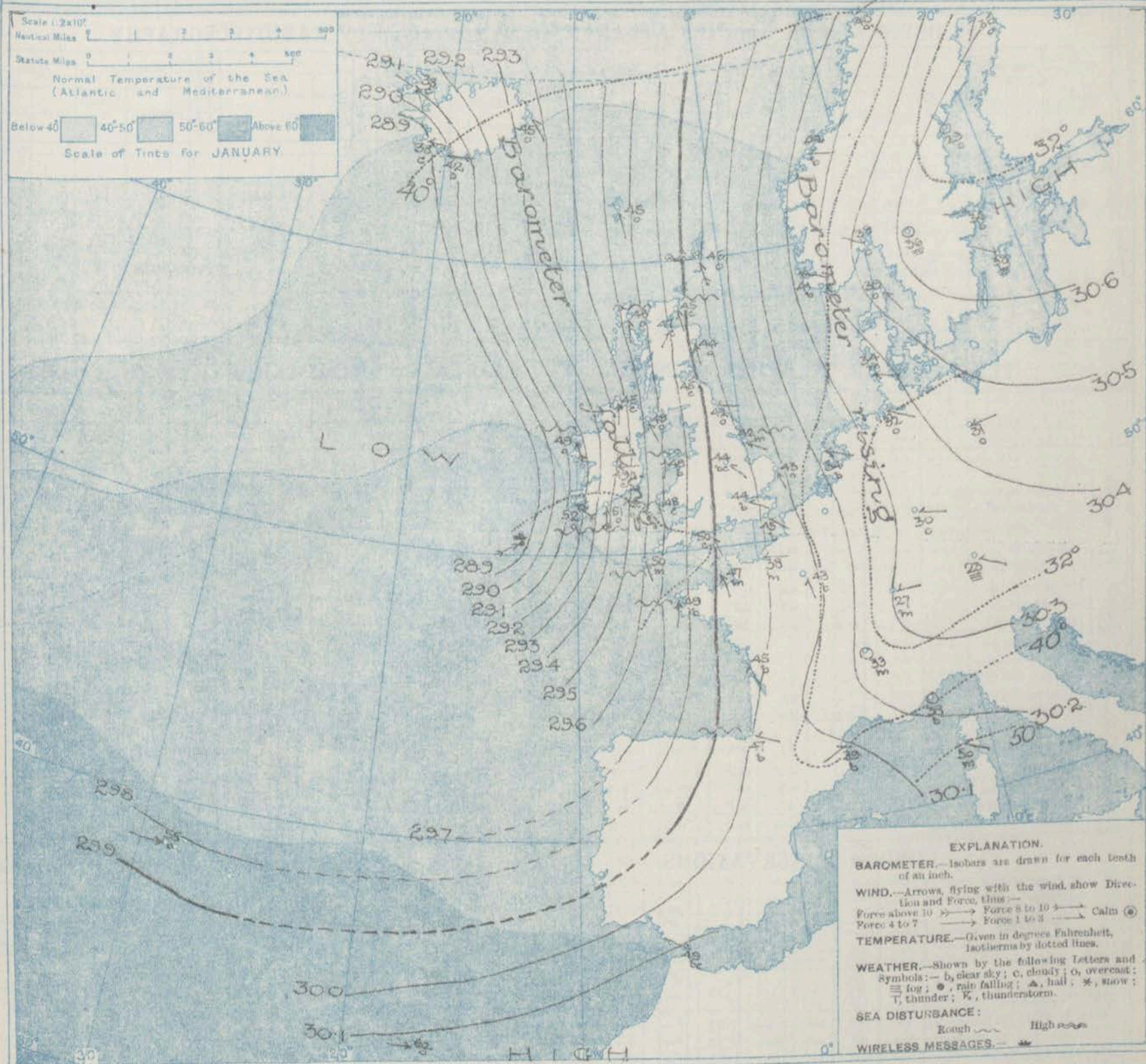
### 11 WESTERN CHANNEL AND BAY.

Southerly winds, fresh or strong to a gale; sea rough; fair to overcast, some rain and mist.

### THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. THURSDAY, 9th JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

The barometer is below 28.9 in. in the south-west of Iceland and low over a very large area on the Atlantic, while it is above 30.3 in. throughout central Europe, and above 30.6 in. over the Gulf of Bothnia and the upper part of the Baltic.

Strong winds and gales from the Southward prevail on our western and northern coasts, and a light to fresh breeze from between South and South-east on our southern and eastern coasts. In Iceland the wind is more easterly, and strong to a gale in the western half of the island. Temperature continues above the normal in

most regions. Over these Islands it ranges from 57° at Valencia and about 50° in the south-west of England to 43° at Great Yarmouth, and to 42° on the north-east coast of England. Frost is reported in Germany and the north of Sweden, the lowest reading being 23° at Munich. The weather is cloudy or overcast in most parts of this country, but fair at some places in the south-west and south-east. Fine, bright skies are reported in most parts of France, but much cloud prevails in Germany and Sweden, with fog locally.



## DAILY WEATHER REPORT.

Thursday, 9th January, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
9th, 7 a.m.	51	13	<i>Joanna</i>	O	28.81	-	WSW	8-9	T										
8th, 6 p.m.	49.56	14.35	<i>H.M.S.</i>	O	29.79	-	SE	4	O										
			Dry Bulb, 51°; Wet Bulb, 51°; Sea Temperature, 53°; Sea Disturbance, 3.																
"	51	11	<i>Regentia</i>	O	29.12	-1.6	S	8-9	bc.										
" 5 p.m.	49.2	7.30	<i>H.M.S.</i>	H	29.72	-	SW	3	b										
			Dry Bulb, 53°; Wet Bulb, 50°; Sea Temperature 51°; Sea Disturbance, 4.																

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scotland.	In.					Hr.	Margate	In.					Hr.
(Oban							Ramsgate		47	40	o	c.b.c.b.	0.0
Stonehaven							Deal		45	39	*	*	0.0
St. Andrews		53	44	b	o	1.3	Folkestone		46	41	o.g.	bc.	0.0
Carnoustie							Littlestone		45	41	o.	c.b.c.b.	0.0
England, N.E.							Hastings		*	*	*	*	0.0
(Harrogate		42	40	o	o	0.0	Bexhill-on-Sea		47	41	o	o.c.	0.0
Scarborough		44	41	o	o	0.2	Eastbourne		46	43	g	g	0.0
Blackpool		49	43	o	c	2.0	Seaford		47	44	bc.	c.o.	0.0
Southport		48	43	b.b.c.o.	bc.b.	1.5	Brighton		46	43	o.c.	c.o.	0.0
Buxton	0.01	42	32	bc	bc.	0.0	Worthing		47	45	o.c.b.c.	c.o.	0.0
Matlock							Littlehampton		47	45	o	o	0.8
Douglas							Bognor		*	*	*	*	
Wales.							Southsea		48	41	o.c.b.	c.b.o.	0.1
(Rhyl		50	44	b	b	5.0	Bournemouth		51	45	o.c.	c.o.	1.0
Colwyn Bay		52	45	bc	bc.	4.5	Weymouth		51	46	c.b.c.	bc.c.	0.1
Llandudno	0.01	50	45	c.b.	b.	1.2	Teignmouth		50	47	c	c	0.1
Bettws-y-Coed				o.c.	c.b.c.	5.2	Torquay		51	47	o	c.o.	1.0
Aberystwyth		51	46	o.c.	c.b.c.	5.2	Paignton						
England, E.							Ilfracombe		51	46	bc.b.	b.b.c.	5.2
(Lowestoft		44	42	o	o	0.0	Weston-super-Mare		50	44	bc.	c	0.2
Felixstowe		45	41	m.o.	f.o.b.	0.0							
Walton-on-Naze		45	43	o	m.o.b.	0.0							
Southend-on-Sea		44	42	o	o	0.0							

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.			Sun-shine for Yesterday.	
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.			
			Max.	Min.														Max.		Min.
Greenwich (Royal Obs.) ...	87	96	47	41	33	—	bc	bc	bc.	1.7	Dublin to 4 p.m.	0.13	51	47	46	qf	od.g	og.r.	1	
City (Bunhill Row) ...	*	*	48	44	38	—	bc	bc	bc.b.	0.0	Plymouth to 9 p.m.	—	51	47	42	qf	bc.g	of	1	
Westminster (St. James's Pk.)	90	97	48	44	38	—	bc	bc	bc.b.	0.0	Darwen									
Camden Sq. (Brit. Rainfall)	90	97	47	42	35	—	o.c.	b.b.c.	bc.	0.1	Manchester	—	49	43	*	c	bc	c	2	
Hampstead (Reservoir) ...	*	98	45	41	35	—	c.o.	bef.	af	0.1	Birmingham									
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																	
			Total.		Average Rate.		Max. Rate.													
			134 Joules.		4.6 Milliwatts.		10 Milliwatts.													
S. Kensington (Roof of M.O.)	86	94								0.0	S. Kensington (Museum Grounds to 6 p.m.)	—	47	43	37	o.c.	c.o.m.	o.c.b.g.		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

9th 10th Jan., 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 8.3 8.3	G.M.T. 12.0 12.1	G.M.T. 3.57 3.59
Greenwich	8.5 8.5	12.7 12.8	4.9 4.11
Wick	8.59 8.58	12.19 12.20	3.40 3.42
Valencia	8.48 8.48	12.48 12.49	4.48 4.50

## NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature rose to about 50° in many places in the west and north of these Islands, but only touched 42° at Harrogate and Buxton. Rain has fallen in Ireland, Wales and in a few localities elsewhere. Several hours of bright sunshine were experienced at various stations in the west and south-west of the Kingdom, but little in the east.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Friday,  
10th January, 1913.

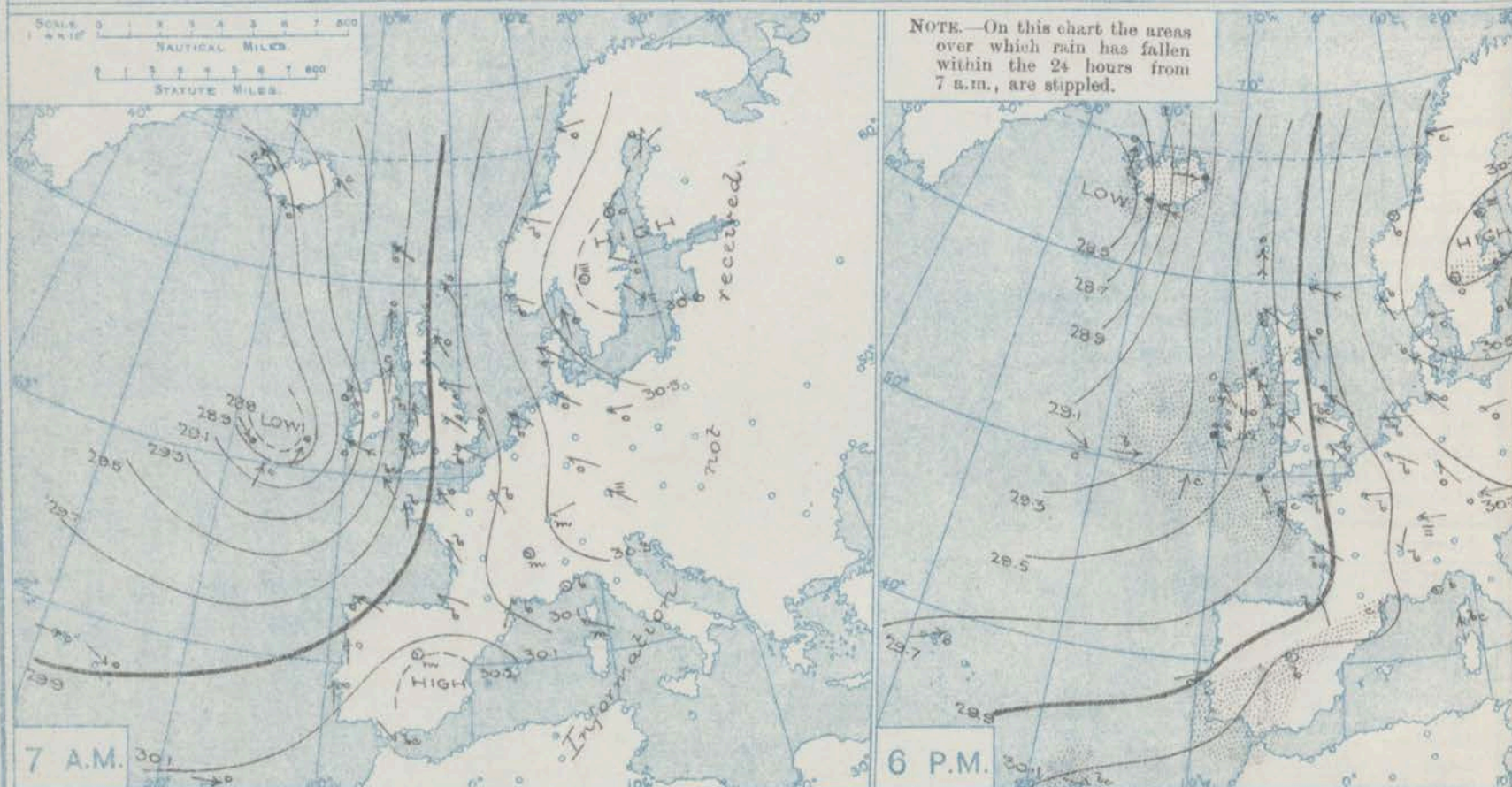
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.				
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dry Bulb.	Change since 4 a.m.				At 32° Fahr. and M.S.L. Lat. 45°.	Change since Yester- day.	Dry Bulb.	Change since Yester- day.						Dirac.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.	
BRITISH ISLANDS.	Lerwick ... ..	In. 30.04	44	ESE	9	c	In. 30.20	In. 30.20	44	-1	ESE	10	o	8	In. -	45	42	cm	cm	oq	2.2			
	Stornoway ... ..	29.60	48	SE	5	b	29.78	+0.03	48	0	SE	7	bc	6	-	50	46	bq	bc	bcq				
	Castlebay (Barra Isd.) ... ..																							
	Malin Head ... ..	29.47	48	SSE	9	rgq	29.65	+0.08	46	+1	S	7	cpq	6	0.15	49	44	gmq	gmq	gmq				
	Blacksod Point ... ..	29.36	48	SSE	7	o	29.61	+0.07	44	-5	SSE	4	o	3	0.08	52	41	omq	omq	omq				
	Valencia ... ..	29.37	45	SSE	3	r	29.64	+0.14	35	-17	ENE	1	b	4	0.55	54	35	org	orm	rm, bc	0.0			
	Roche's Point ... ..	29.42	49	SSW	5	r	29.67		46	-5	SSE	3	o	5	1.15	51	42	r	r	r, o				
	Birr Castle ... ..	29.44	46	SE	2	r	29.65		42	-7	SE	1	o	*	0.99	50	42	er	or	or, o	0.0			
	Donaghadee ... ..	29.68	48	SE	5	opm	29.80	+0.03	46	-2	SE	5	bc	4	Trace	50	46	bc	egp	bc				
	Liverpool Obsy. ... ..	29.82	46	ESE	5	c	29.88	+0.02	43	-3	ESE	4	o	3	Trace	50	42	em	o, bc	o	0.5			
ICELAND & FAEROE.	Holyhead ... ..	29.70	49	SSE	5	bc	29.76	+0.01	47	-2	SE	5	o	4	-	52	46	b	bc	b				
	Pembroke (St. Ann's Hd.) ... ..	29.62	48	SSE	8	bc	29.70	+0.02	48	0	SE	6	rg	6	0.03	51	47	cq	bcq	bcq	1.5			
	Newquay ... ..	29.61	51	SE	6	bc	29.72	+0.05	47	-1	SE	1	of	4	0.07	51	46	bc, b	bc	o, or	3.3			
	Scilly (St. Mary's) ... ..	29.54	51	SSE	7	oqpm	29.72	+0.04	47	-3	W	2	bcv	5	0.32	53	45	omq	omq	omq	0.0			
	Jersey (St. Aubin) ... ..	29.85	48	E	4	bm	29.83		47	0	E	4	ogm	4	-	49	45	ogm	cm, bc	bc, om	0.4			
	Portland Bill ... ..	29.80	49	SSE	5	b	29.80	+0.01	49	-1	SE	5	b	5	-	50	47	c	bc	b				
	Dungeness ... ..	29.93	47	ESE	5	c	29.94	0.00	40	-5	ESE	3	c	3	-	47	39	a, bc	c, bc	bc				
	Dover ... ..	30.02	43	SSE	2	b	30.00		37	-7	ESE	2	m	4	-	47	36	b, bc	c, bc, b	bm, c	2.2			
	Wick ... ..	29.87	45	S	8	o	30.03	+0.03	42	-3	SSE	8	oq	7	Trace	45	41	comq	omq	omq				
	Nairn ... ..	29.79	45	SSE	1	bc	29.95		45	-2	SSE	4	o	2	-	43	42	cyq	cy	aq, o	0.0			
SCANDINAVIA.	Aberdeen ... ..	29.97	44	SSE	5	o	30.11	+0.03	41	-3	SE	7	o	5	Trace	45	41	odq	oq	oq, d	0.0			
	Leith ... ..	29.84	46	SE	2	c	29.97	+0.05	43	-2	SE	4	o	*	-	48	43	c, o	c	c, bc				
	North Shields ... ..	29.95	44	SE	5	o	30.04	+0.01	41	-1	SE	7	o	6	-	45	39	c	o	o	0.0			
	Spurn Head ... ..	29.93	43	SE	7	c	30.00	0.00	41	-1	SE	3	oq	7	-	44	39	q, m, c	cq	c, oq				
	Yarmouth ... ..	30.05	43	SE	4	bc	30.08	0.00	38	-5	SE	4	bc	5	-	44	37	o, bc	bc	bc	0.4			
	Clacton-on-Sea ... ..	30.00	44	S	4	b	30.00	0.00	41	-3	ESE	3	b	3	-	45	40	bc, c	c, bc, b	b, bc	1.6			
	Nottingham ... ..	29.93	44	SE	5	bc	29.96		41	-4	SE	5	o	*	-	47	40	o, c, bm	bm, bc	c, o	3.6			
	Bath ... ..	29.87	47	SE	3	o	29.87		45	-5	SE	5	o	*	-	51	44	-	-	-	0.1			
	London (Kew Obsy.) ... ..	29.97	43	SE	2	bm	29.95	+0.01	40	-4	E	4	m	*	-	50	40	b, bm, bc	bc, bm	bm, m	5.2			
	Isafjord ... ..	28.63	49	S	8	o	29.28	+0.04	36	-2	E	7	o	*	*	*	*	*	*	*				
GERMANY, &c.	Reykjavik ... ..	28.45	45	E	9	r	29.24	+0.10	36	-2	-	0	o	*	*	*	*	*	*	*				
	Vestmanna ... ..	28.59	44	ESE	10	r	29.31	+0.06	30	-12	? SE	4	o	6	*	*	*	*	*	*				
	Seydisfjord ... ..	29.28	47	W	7	r	29.47	-0.02	45	+2	W	4	r	*	*	*	*	*	*	*				
	Thorshavn ... ..	29.68	46	S	8	o	29.92	+0.05	44	-1	SSE	8	o	*	*	*	*	*	*	*				
	Haparanda ... ..	30.41	32	-	0	f	30.81	+0.01	31	+2	-	0	f	*	-	36	29							
	Hernösand ... ..	30.70	36	SSE	2	o	30.76	+0.02	31	-5	ENE	2	f	*	Trace	37	30							
	Stockholm ... ..	30.66	36	NE	4	o	30.69	+0.01	31	-7	E	2	o	*	Trace	39	28							
	Wisby ... ..	30.71	34	-	0	o	30.76	+0.01	33	-3	-	0	o	*	Trace	36	33							
	Karlstad ... ..	30.65	36	ENE	2	o	30.71	+0.01	36	-2	ENE	2	o	1	-	35	36							
	Färder (X'ania Fjord) ... ..	30.55	36	E	2	c	30.60	+0.01	42	+2	E	4	bc	2	-	42	36							
FRANCE.	Bodö ... ..	30.39	40	-	0	b	30.51	+0.01	41	-1	ESE	1	b	3	-	45	37							
	Christiansund ... ..	30.43	42	SSE	6	b	30.51	+0.01	40	-1	SSE	6	b	4	-	43	36							
	Skudesnaes ... ..	30.62	37	E	3	o	30.64	+0.01	39	0	ESE	3	o	1	-	39	37							
	The Scaw (Skagen) ... ..	30.45	33	SE	5	b	30.48	+0.01	30	-4	ESE	3	b	2	-	36	28							
	Blaavands Huk ... ..	30.37	34	SE	5	o	30.38	0.00	34	+2	ESE	5	o	*	-	36	32							
	Cuxhaven ... ..	30.20	35	E	4	b	30.21	0.00	32	-2	E	5	a	3	-	37	32							
	The Helder ... ..	30.10	36	ESE	3	b	30.06	0.00	30		ESE	2	b	*	-	47	29							
	Brussels ... ..	30.45	34	E	3	o	30.43	0.00	30	-1	E	3	b	*	-	37	30							
	Berlin ... ..	30.29	29	SE	2	o	30.25	0.00	30	0	E	2	o	*	-	36	28							
	Frankfurt ... ..	30.29	24	E	4	o	30.23	-0.01	22	-1	NE	5	o	*	-	25	21							
SPAIN, PORTUGAL, &c.	Munich ... ..	29.98	42	SE	4	b	29.98	-0.01	33	-8	E	3	b	2	-	46	32							
	C. Gris Nez ... ..	29.93	42	E	5	o	29.90		37	-1	E	6	m	3	-	52	34							
	La Hève ... ..	29.66	50	SSE	6	c	29.80	+0.14	48	-1	WNW	2	m	5	0.20	52	46							
	Brest (St. Mathieu) ... ..	29.69	49	SE	5	bc	29.76		48		WSW	1	o	5	0.32	54	45							
	Lorient (Bec Melen) ... ..	29.85	48	SE	3	bc	29.83		47	+2	SSE	3	o	*	-	54	43							
	Rochefort (Ile d'Als) ... ..	29.89	50	SSE	3	b	29.87		52	+5	SW	3	o	5	-	59	47							
	Biarritz ... ..	30.02	43	SE	3	b	29.99	+0.01	32	-11	ESE	2	b	*	-	51	32							
	Paris ... ..	30.24	23	E	4	f	30.16		25	-2	E	6	f	*	-	30	25							
	Belfort ... ..	30.13	40	NE	1	b	30.07		35	+2	N	1	o	*	-	46	32							
	Lyons ... ..	30.16	40	-	0	b	30.10	-0.02	36	-2	E	1	bc	3	-	50	36							
SPAIN, PORTUGAL, &c.	Nice ... ..	30.02	51	S	1	c	29.87	-0.01	41	+2	SW	2	b	*	0.04	58	39							
	Perpignan ... ..	30.15	51	S	5	bc	30.12		50	0	SE	3	o	3	-	55	45							
	Sanguinaire ... ..																							
	Corunna (8 a.m.) ... ..																							
	Lisbon (9 a.m.) ... ..	29.90	55	WSW	4	c	30.05	+0.06	51	-4	-	0	o	7	0.35	57	50							
	Gibraltar ... ..	30.11	57	W	4	bc	30.03		56	+7	W	3	o	1	0.49	62	49							
	Azores (P. Delgada) ... ..																							
	Azores (Horta) ... ..	29.73	62	SW	5	o	29.70	0.00	64	+9	SSW	5	o	5	-	64	55							
	Madeira (Funchal) ... ..	30.13	64	W	3	bc	30.19	-0.01	63	+1	W	3	o	3	0.0									

\* Information for these columns not usually received.

† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 9<sup>th</sup> JANUARY.



## GENERAL INFERENCE

The barometrical gradient appears likely to become somewhat less steep over these islands and their neighbourhood, but

## WEATHER PROSPECTS.

there are no indications of any material change in the pressure distribution

## FORECASTS FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.

0 { Wind mainly South Easterly strong to a gale; much cloud, squally; rather lower temperature.

2 { Wind mainly between East and South East, fresh or strong in places; gusty; a good deal of cloud, air rather misty; temperature lower than of late.

5

### FORECAST DISTRICTS.



### STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

SOUTH CONE RE-HOISTED Districts 0-2, & 6-11 At 7.15 p.m. yesterday.

6 { Wind between South and South East, fresh or strong at times; much cloud generally, some rain locally; temperature falling in most places.

10 {

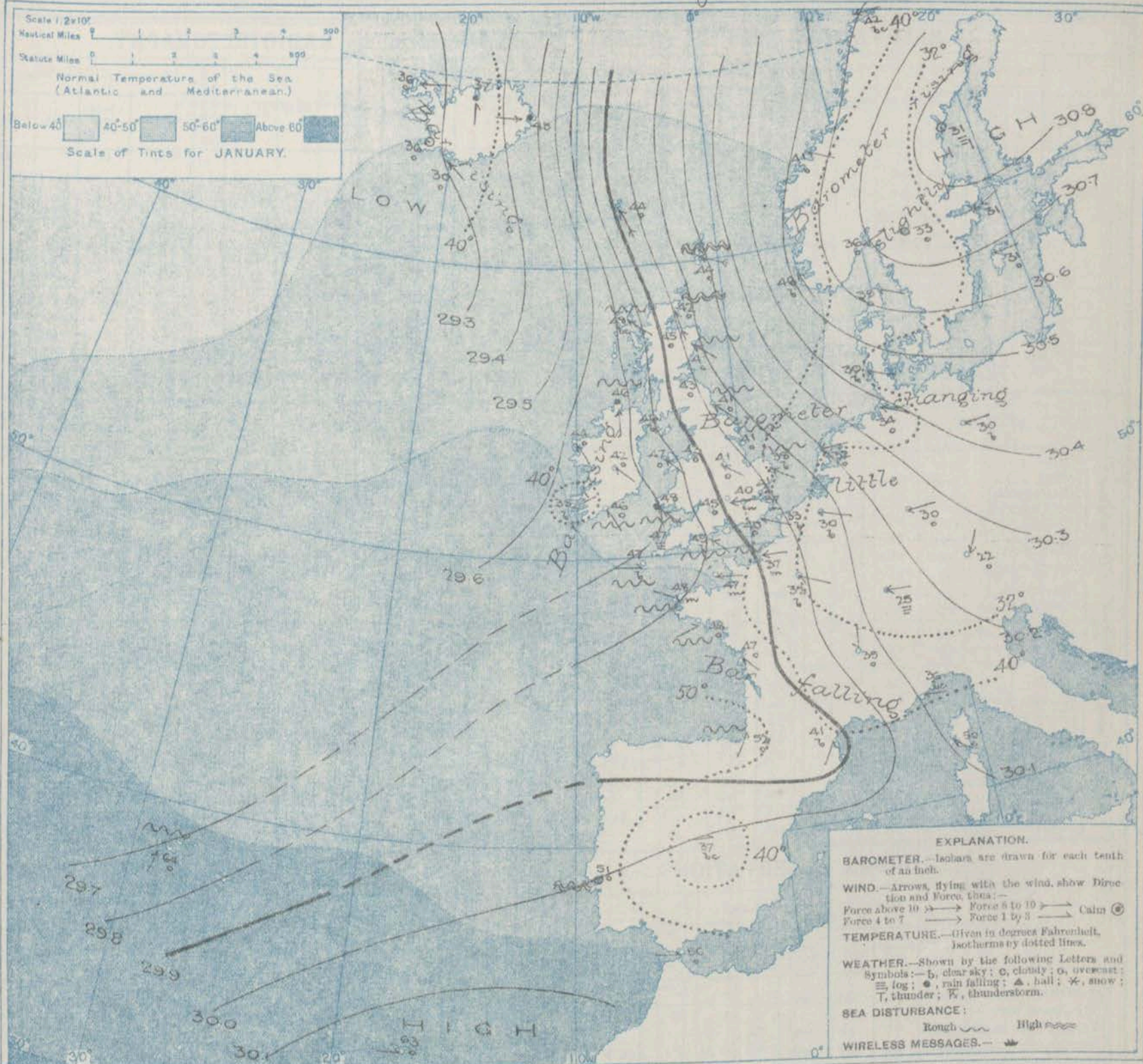
### 11 WESTERN CHANNEL AND BAY.

Wind variable, light, to South Easterly freshening; sea moderate or rather rough; much cloud, some mist.

## THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. Friday, 10<sup>th</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure has increased since yesterday over the greater part of Western and North Western Europe, and now ranges from 30.8 in. in Central Sweden to 29.3 in. in the west of Iceland. It is relatively low over the Bristol Channel and the Bay of Biscay regions, and also at the Azores.

The wind is westerly at the mouth of the Channel, and of little force, but over the United Kingdom generally it is between south-east and south, and blows a strong breeze or high wind on many parts of the coast, and a fresh to a

whole gale on the north-east coast of Scotland and in Shetland. On the Continent the force of the wind is light to fresh. Temperature has fallen in most regions. Over these islands it ranges from 49° at Stornoway and Portland Bill to 37° at Dover, and to 35° at Valencia, on the Continent from 56° at Gibraltar, and 52° at Biarritz to below 32° in Sweden and Central Europe, the lowest figure reported being 22° at Munich. Rain is falling at Malin Head and Pembroke, and snow at Stockholm, and over an area as a whole the sky is overcast, with mist in several localities.



## DAILY WEATHER REPORT.

Friday, 10th January, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
9th 6pm	49	12	Lapland	H	29.35	+11	SW	4-5	c	9th 7am	49	16	Lapland	H	28.95	+21	SW	4-5	c
"	50	21	Megantic	O	29.21	+12	WNW	6-7	c	"	50	17	Megantic	O	28.72	+16	NW	8-9	r
"	50	17	Ivernia	O	29.32	+04	W	4-5	b										

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	In.					Hr.	(Margate		In.					Hr.
	Stonehaven							Ramsgate							
	St. Andrews							Deal							
	Carnoustie							Folkestone							
Eng. N.E.	Harrogate		44	39	oe	oe	0.0	Littlestone							
	Scarborough		46	42	of	of	0.0	Hastings							
England, N.W.	Blackpool		50	43	c	c	0.0	Bexhill-on-Sea							
	Southport		49	43	bc.o	o.bc	0.0	Eastbourne							
	Buxton		45	32	m.bc	bc	?	Seaford							
	Matlock							Brighton							
Wales.	Douglas							Worthing							
	Rhyl		50	45	b	b	3.9	Littlehampton							
	Colwyn Bay		54	46	bc.b	bc	4.5	Bognor							
	Llandudno		50	46	c.b	b	4.8	Southsea							
England, E.	Bettws-y-Coed		53	47	b.bc	bc.b	3.0	Bournemouth							
	Aberystwyth		52	48	o.c.b	bc.o	5.2	Weymouth							
	Lowestoft		45	42	b	b.bc	1.1	Teignmouth							
	Felixstowe		45	42	bc.f	bc.f	2.6	Torquay							
England, S.W.	Walton-on-Naze		45	43	c.b	bc.o.bc	1.3	Paignton							
	Southend-on-Sea		48	41	b	b	5.0	Ilfracombe							
								Weston-super-Mare							

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.			Sun-shine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				Max.	Min.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.	
			Max.	Min.															
			24 HOURS ENDED 9 A.M. TO-DAY.																
Greenwich (Royal Obs.) ...	%	%	48	37	27	In.	b	b	b.o.bf	Hr.	Dublin to 4 p.m.	In.	51	46	44	o.cq	c.cq	o.pq	Hr.
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	0.3	Plymouth to 9 p.m.	0.13	52	48	43	bcq	bcq	bcq	4.6
Westminster (St. James's Pk.)	90	93	49	39	37	-	b	b	e.m	4.0	Darwen	-	46	39	39	aw	g.be	bc	0.0
Camden Sq. (Brit. Rainfall)	89	99	48	38	32	-	c.b	b	b.c	1.0	Manchester	-	50	42	*	c.	bc	bc	2.0
Hampstead (Reservoir) ...	*	*	*	*	*	*	*	*	*	*	Birmingham	-	48	41	27	o.c	o	o	0.7
Kew. (See front page.)	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																		
S. Kensington (Roof of M.O.)	86	99	Total.		Average Rate.		Max. Rate.		2.9	S. Kensington (Museum Grounds to 6 p.m.)	-	48	44	35	bcq	bc.bq	by	by	by
			25.4	Joules.	8.7	Milliwatts.	15	Milliwatts.											

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

10th Jan. 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 8.3	G.M.T. 12.1	G.M.T. 3.59
Greenwich	8.2	12.1	4.0
Wick	8.5	12.8	4.11
Valencia	8.14	12.8	4.12
	8.54	12.20	3.42
	8.67	12.20	3.43
	8.48	12.49	4.50
	8.47	12.49	4.51

## NOTES ON YESTERDAY'S WEATHER.

During yesterday fresh to whole gales from the Southward or South-Eastward were experienced on many parts of our western and northern coasts, and over the southern half of Ireland heavy rain occurred. In most other parts of the Kingdom the weather was dry, with much sunshine in Wales and over South-Western, Southern and South-Eastern England. Temperature rose to about 50° over a wide area, and touched 54° at Colwyn Bay and Valencia.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.



12-21

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Saturday,  
11th January, 1913.

1913.

Wet

12)

-5

-9

Sun

on.

He

1-4

3-4

6-1

5-7

2-7

0-4

0-4

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0-7

0-7

0-7

0-7

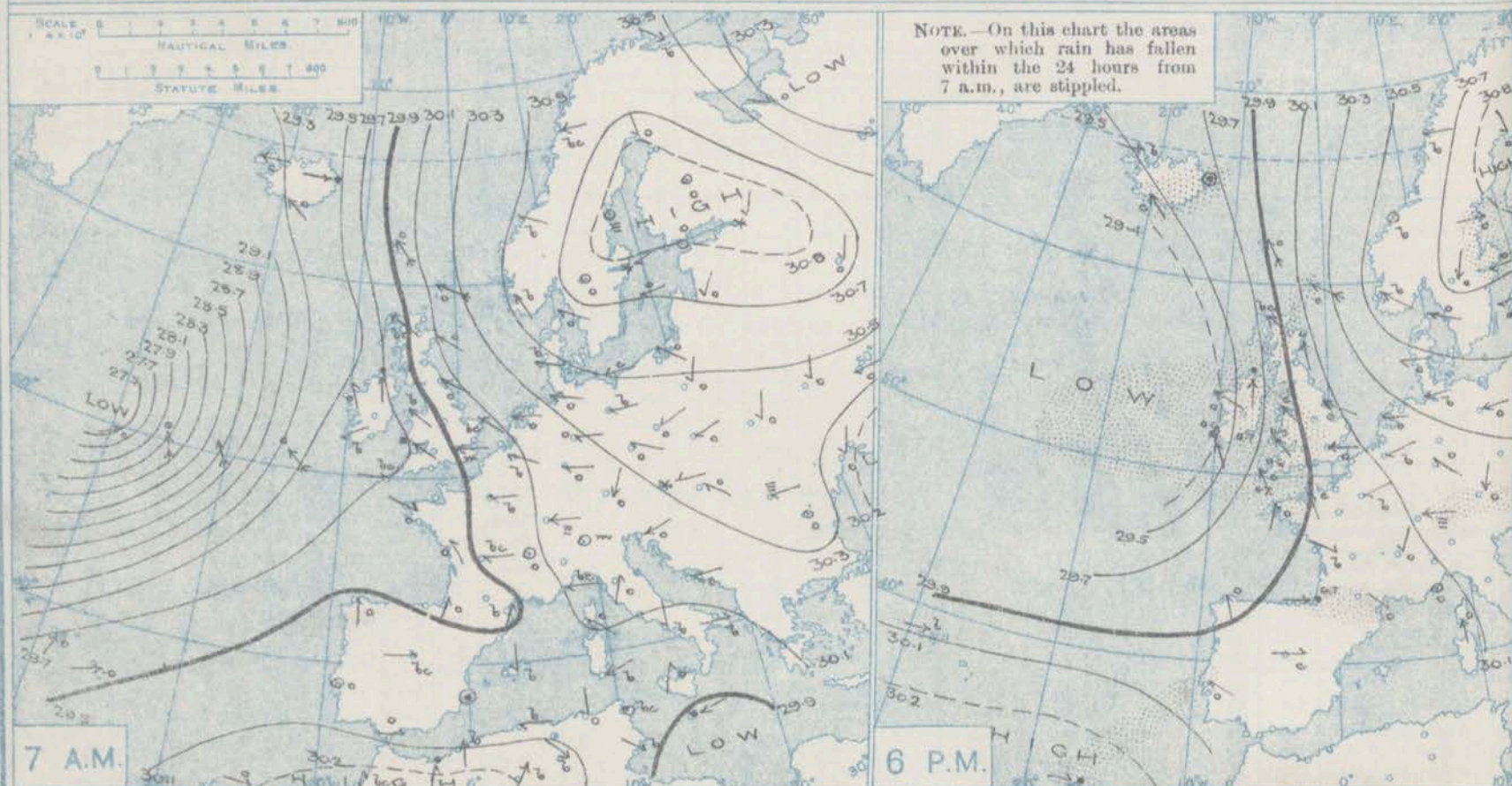
0-7

0-7

JANUARY 1913.																								
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.					
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Force (0 to 12).	At 32° Fahr. and M.S.L. Lat. 45°.			Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dirac.						Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aft'n'g. 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.			
BRITISH ISLANDS.																								
Lerwick	...	In.					In.																	
Stornoway	...	30.20	42	ESE	9	o	30.03	-0.8	40	-4	ESE	9	o	8	0.01	44	36	cmg	cmg	cmg				
Castlebay (Barra Isd.)	...	29.78	45	SE	7	bcq	29.48	-0.7	43	-5	SE	7	oq	6		48	42	bc. q	bc. q	bc. q				0.6
Malin Head	...	29.58	44	S	7	oqpm	29.23	-1.0	39	-7	S	10	rq	6	0.06	46	38	mpg	mpg	omg				
Blacksod Point	...	29.29	46	SE	7	o	29.12	+0.1	47	+3	SSE	7	o	5	0.28	47	42	cm	cmg	omg				
Valencia	...	29.35	49	SSE	6	rg	29.26	+0.2	48	+13	SSE	4	bc	5	0.56	51	34	bc	om	om				1.3
Roche's Point	...	29.56	49	S	7	c	29.23		47	+1	WSW	2	o	6	0.66	50	46	bcc	c	or. o				
Birr Castle	...	29.57	46	SE	3	c	29.28		45	+3	SE	1	bc		0.19	47	39	bc	c	or. bc				0.0
Donaghadee	...	29.77	44	SE	6	oqpm	29.43	-0.6	40	-6	SE	8	qrm	8	0.26	46	40	oqpm	om	omg				
Liverpool Obsy.	...	29.88	39	ESE	6	o	29.65	-0.8	36	-7	ESE	6	r	6	0.01	43	35	og	og	og				0.0
Holyhead	...	29.79	46	SE	4	c	29.48	-0.4	43	-4	SE	7	r	6	0.01	49	42	og	og	og				
Pembroke (St. Ann's Hd.)	...	29.76	47	SE	4	c	29.40	-0.7	47	-1	SSE	8	rmg	7	0.53	49	45	oqpm	oq	oq				1.2
Newquay	...	29.78	45	SE	2	b	29.43	-0.8	50	+3	S	2	or	4	0.59	51	44	c. br	q. br	c. or				2.3
Scilly (St. Mary's)	...	29.73	49	SSE	5	oqpm	29.43	-0.5	50	+3	SW	4	om	7	0.70	51	45	bc	omg	omg				5.0
Jersey (St. Aubin)	...	29.89	48	SSE	3	om	29.71		47	0	ESE	5	ogr	4	0.03	48	46	oqpm	om	omg				0.1
Portland Bill	...	29.87	48	SE	3	o	29.87	-1.1	48	-1	SSE	5	r	4	0.04	49	48	c. o	o	or. bc				
Dungeness	...	29.99	36	E	3	c	29.85	-0.4	36	-4	ESE	3	d	3	Trace	40	35	c. o	o	c. o				
Dover	...	30.04	35	E	4	o	29.92		33	-4	SE	5	o	5	0.01	36	32	m. o	o	or. bc				0.0
Wick	...	30.01	42	SSE	8	o	29.78	-0.8	40	-2	SSE	10	o	8	Trace	42	39	omg	omg	omg				
Nairn	...	29.94	40	SE	7	o	29.71		39	-6	SE	7	o	4	Trace	45	35	q. g	q. g	q. g				0.0
Aberdeen	...	30.10	41	SSE	7	oq	29.90	-0.7	39	-2	SSE	8	o	7		41	39	oq	oq	oq				0.0
Leith	...	29.96	40	ESE	4	o	29.77	-0.3	37	-6	SE	7	oq			44	37	og	og	og				
North Shields	...	30.07	37	ESE	6	o	29.88	-0.2	35	-6	ESE	8	o	7		41	34	o	o	c. o				0.0
Spurn Head	...	30.04	39	ESE	8	o	29.87	-0.3	37	-4	SSE	9	o	8		41	33	oq	oq	c. oq				
Yarmouth	...	30.12	36	E	5	o	30.01	-0.3	35	-3	SE	7	bc	8		39	34	bc	bc. o	bc				0.0
Clacton-on-Sea	...	30.05	39	E	5	o	29.90	-0.3	37	-4	E	5	o	4		41	36	og	og	og				0.0
Nottingham	...	30.00	37	ESE	5	o	29.83		35	-6	ESE	5	d		Trace	41	34	om	o	o				0.0
Bath	...	29.91	43	SE	4	o	29.69		43	-2	ESE	5	r		0.07	46	39	o	o	c. r				0.0
London (Kew Obsy.)	...	29.99	36	E	4	om	29.84	-0.5	36	-4	E	4	om		0.01	40	35	m	om	om				0.0
ICELAND & FAEROE.																								
Isafjord	...	29.50	35	W	4	b	29.23	-1.3	43	+7	SE	9	o											
Reykjavik	...	29.42	34	E	3	o	28.92	-1.2	40	+4	E	5	r											
Vestmanna	...	29.46	36	SE	6	c	28.94	-0.6	42	+12	ESE	9	r	4										
Seydisfjord	...	29.63	39		0	r	29.45	-0.4	42	-3	SE	7	r											
Thorshavn	...	29.91	43	SSE	8	o	29.73	-0.4	42	-2	S	9	o											
SCANDINAVIA.																								
Haparanda	...	30.85	18	N	2	o	30.79	+0.1	11		NW	2	o			25	10	Lennick		Extreme				
Hernösand	...	30.79	27	W	2	o	30.75	-0.1	28	-8		0	o		Trace	32	23	Jam. Jam.		ESE 9.				
Stockholm	...	30.78	30	E	2	o	30.66	-0.1	29	-2	E	2	o			Trace	32	28						
Wisby	...	30.65	30	E	2	o	30.63	-0.1	27	-4	ESE	2	o				32	25						
Karlstad	...	30.73	29	NE	4	e	30.65	-0.2	29	-2	NE	2	o				36	28	Stornoway					
Færder (X'lantia Fjord)	...	30.67	34	ESE	5	o	30.59	-0.2	32	-4	E	5	o	3			36	30	Squalls force 8.					
Bodö	...	30.63	36	E	2	b	30.53	-0.3	37	-5	E	4	b	1			42	36	Malin Head					
Christiansund	...	30.53	36		0	b	30.35	-0.5	38	-3		0	b	2			41	34	8pm-Jam.		S. 11.			
Skudesnaes	...	30.52	37	SE	4	b	30.38	-0.2	35	-5	ESE	6	c	4			40	34						
The Scaw (Skagen)	...	30.58	36	ESE	6	o	30.52	-0.1	34	-5	SE	6	o	2			39	12	Roches Point					
Blaavands Huk	...	30.42	34	E	3	o	30.36	-0.1	30	0	ESE	4	o	2			36	28	6pm-Jam.		2. 10			
Cuxhaven	...	30.34	31	E	4	b	30.30	-0.2	28	-6	ESE	5	c				36	26						
The Helder	...																							
Brussels	...	30.11	30	ENE	3	b	30.03	-0.1	26	-4	ESE	2	bc				35	24	Pembroke					
Berlin	...	30.38	28	E	4	o	30.31	-0.1	30	0	E	3	o				36	28	3am-Jam		SSE 9			
Frankfurt	...	30.19	31	SE	1	o	30.14	-0.1	30	0	E	1	bc				34	28						
Munich	...	30.16	24	NE	4	o	30.12	-0.1	23	+1	E	3	s		0.04	25	21	Wick			SSE 10.			
C. Gris Nez	...	30.04	?	E	2	m	29.89	-0.6	31	-2	E	5	f	3		34	30							
La Hève	...	29.90	37	E	5	m	29.84		37	0	E	5	f	4		43	36							
Brest (St. Mathieu)	...	29.90	49	SSW	3	o	29.56	-1.0	50	+2	SSE	6	r	6	0.20	54	48	Nairn						
Lorient (Bec Molen)	...																	10pm-Jam: Squalls SSE 10.						
Rochefort (Ile d' Aix)	...	29.97	50	WNW	3	b	29.69		46	-1	SSE	3	c			50	45	Aberdeen						
Biarritz	...	30.04	50	W	4	r	29.97		48	-4	SSE	1	b	4	0.67	52	45	2am-Jam.		SSE 8.				
Paris	...	30.01	32	ENE	1	b	29.94	-0.1	34	+2	SSW	1	o			41	31	Squalls 8-10 mph (2-3 am)						
Belfort	...	30.13	26	E	6	f	30.06		28	+3		0	f		0.04	28	25	Spurn Head						
Lyons	...	30.04	37	NE	1	o	30.07		35	0	S	1	o			39	32	Jam-Jam		2am SSE 10.				
Nice	...	30.03	44		0	o	30.06	0.0	43	+7		0	c			50	36							
Perpignan	...	29.98	51	HW	3	o	30.06	+0.1	41	0	SW	1	b		Trace	62	39	Seilly						



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 10<sup>th</sup> JANUARY.



## GENERAL INFERENCE

## WEATHER PROSPECTS.

The large depression centred on the Atlantic to the southward of Iceland seems likely to move in a northerly direction, and will continue to affect the weather

over the United Kingdom during the ensuing twenty four hours.

## FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

- 0 {  
a  
b} Wind mainly between  
1 South and South East, strong to  
2 {  
a a gale; squally, much cloud,  
b some rain, sleet locally;  
3 temperature moderate or rather low.  
4 {  
a Wind mainly between East  
b and South East, varying in force;  
5 chill generally, some rain and mist; temperature rather low.

### FORECAST DISTRICTS.



### STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone. ✓	South Cone. ✓
North Cone. △	North Cone. △

### SOUTH CONE

Hoisted in Districts 3+5 at 7.10 p.m.  
Kept up. "O-R 95-11 at 7.10 p.m.

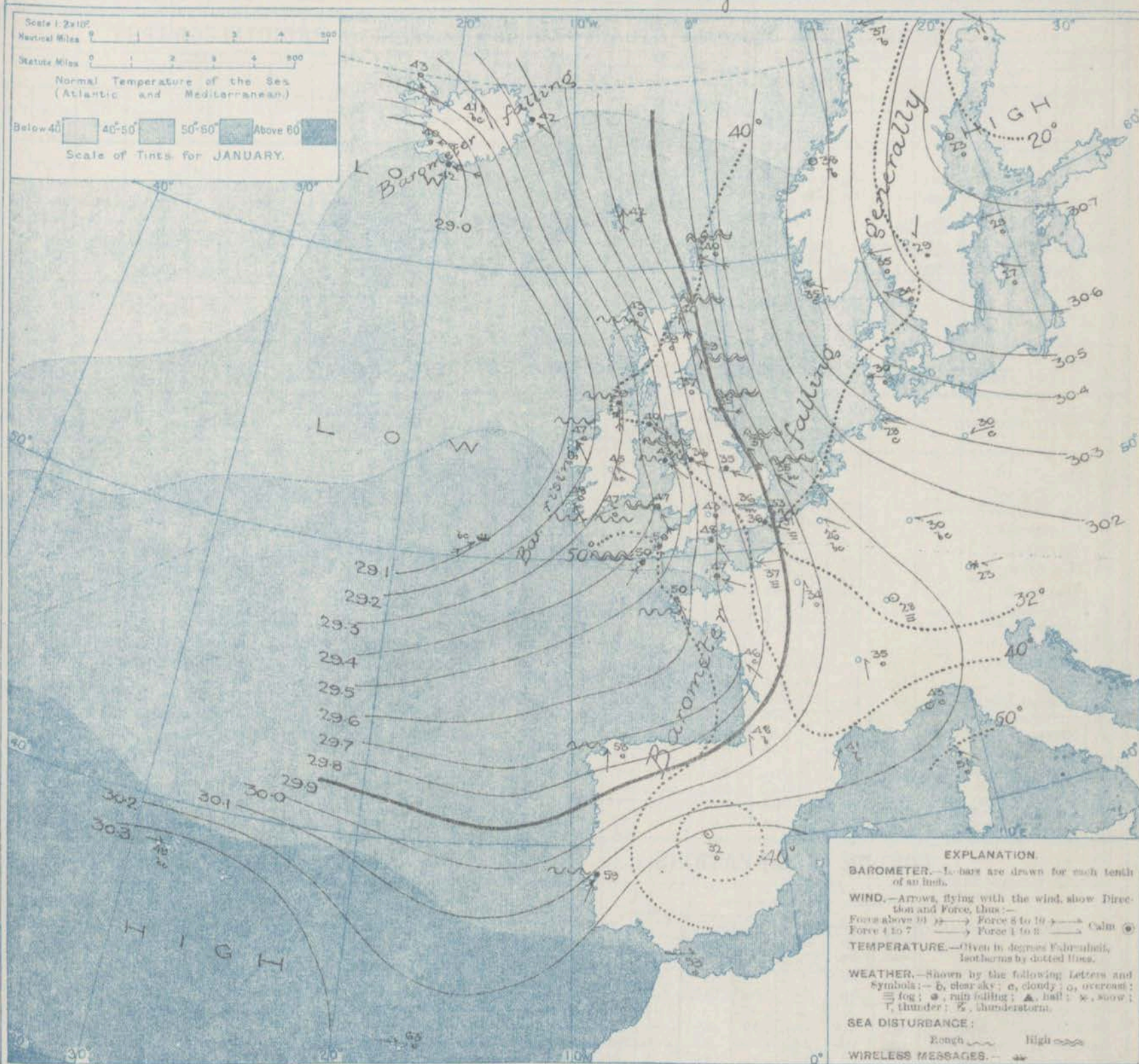
- 6 {  
a Same as Nos 0 to 3.  
b  
7 {  
a Wind mainly between  
b  
8 {  
a South and South West, fresh or  
b strong to a gale; cloudy or  
9 {  
a overcast, generally rain at times;  
b  
10 {  
a moderate temperature.  
b

- 11 WESTERN CHANNEL AND BAY.  
Wind varying between South East and South West, fresh or strong, a gale at times, some rain and mist; sea rough.

## THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. Saturday 11<sup>th</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure ranges from about 30.7 in. over Finland and the Gulf of Bothnia to below 29 in. in the south-west of Iceland, and to a still lower figure on the Atlantic to the southward of that region. The gradient is unusually steep over the north of the United Kingdom.

A fresh to a whole gale from the South-Eastward prevails on our northern and north-western coasts, and a strong wind to a gale on the south-east, east and west coasts of Great Britain. On the Channel the wind is more easterly, and less strong. An easterly strong to a whole gale is

reported in Iceland. Temperature has fallen in most regions. Over these Islands it ranges from 50° on the south-west coast of England to below 40° in almost all other parts of Great Britain, and to 33° at Dover. Rain is falling over a large area in the west and south-west of these Islands and in Brittany, and over the United Kingdom generally the sky is very cloudy or overcast. On the continent the condition is more variable; in several localities there is little cloud, but at Munich snow is falling.



## DAILY WEATHER REPORT.

Saturday, 11th January 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
11th 7am	50	15	Baltic	O	29.10	-	SW	8-9	bc	10th 7am	50	20	Ivernia	O	28.75	-29	SSE	10-11	O
10th 7am	50	25	Megantic	O	28.26	-24	SSE	10-11	r	"	49	29	Celtic	H	27.44	-29	SW	6-7	O
" 7am	51	15	Royal Edward	O	29.35	+25	SE	10-11	r										

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scotland.	In.					Hr.	Margate ...	In.	38	36	o	o	0.0
Stonehaven ...							Ramsgate ...		44	35			0.0
St. Andrews ...		45	40	o	o	0.0	Deal ...		38	35	bms	an.g	0.0
Carnoustie ...		38	35	o	o	0.0	Folkestone ...		44	34	b.o	o	0.0
England, N.E.							Littlestone ...						0.0
Harrogate ...		38	35	o	o	0.0	Hastings ...		45	36	o	o	0.0
Scarborough ...		42	38	of	of	0.0	Bexhill-on-Sea ...		41	37	g	g	0.0
England, N.W.							Eastbourne ...		48	38	o.c	bc.o	0.0
Blackpool ...		43	39	g.o	o	0.0	Seaford ...		47	37	o	o	0.0
Southport ...		43	40	bc.o	o	0.0	Brighton ...		43	42	o	o	0.0
Buxton ...		41	32	bcm	bcm	0.0	Worthing ...		46	40	o	o	0.0
Matlock ...							Littlehampton ...						0.0
Douglas ...							Bognor ...						0.0
Wales.							Southsea ...		46	?	o.c	bc.c.o	0.0
Rhyl ...		44	40	bc	bc	0.0	Bournemouth ...		48	45	o	o	0.0
Colwyn Bay ...		46	41	o.bc.b	bc	1.5	Weymouth ...		49	48	o	o	0.0
Llandudno ...		46	42	c	bc	1.3	Teignmouth ...	0.10	50	48	c.o	or.c	0.0
Bettws-y-Coed ...		?	43	c	c	0.0	Torquay ...	0.11	50	47	o	p.c.bc	0.0
Aberystwyth ...		48	45	o.ct	o	0.0	Paignton ...	0.17	55	47	od.r.o	r.o	0.0
England, E.							Ilfracombe ...	0.19	50	46	oy	r.o	0.0
Lowestoft ...		44	36	o	o	0.0	Weston-super-Mare ...		48	50	c.bc	o	0.0
Felixstowe ...		40	38	m.o	om	0.0							
Waltou-on-Naze ...		45	36	o.c	o.c.bc	0.0							
Southend-on-Sea ...		38	36	o	o	0.0							

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.			Sun-shine for Yesterday.
	3 p.m. Yester-day.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.		
			Max.	Min.		Max.												Min.	
			24 HOURS ENDED 9 A.M. TO-DAY.																
Greenwich (Royal Obs.) ...	%	%	38	34	33	0.01	o	o	o.d.	0.0	Dublin to 4 p.m.	0.48	48	46	44	rg	rgg	bc	
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	0.0	Plymouth to 9 p.m.	0.20	51	47	41	bc	or	bcg	
Westminster (St. James's Pk.)	95	100	40	35	36	-	gm	cm	e.cm	0.0	Darwen	-	42	34	35	bcog	og	ow	
Camden Sq. (Brit. Rainfall)	97	96	38	34	33	0.01	ogm	o	o.ogm	0.0	Manchester	-	41	37	*	bc	c	o	
Hampstead (Reservoir) ...	*	91	37	32	32	0.01	ofe	odm	om	0.0	Birmingham	-	44	36	36	o	o	o	
Kew. (See front page.)	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										Oxford to 8 p.m.								
			Total.		Average Rate.		Max. Rate.												
S. Kensington (Roof of M.O.)	97	95	28.7 Joules.		.98 Milli-watts.		2.5 Milli-watts.		0.0	S. Kensington (Museum Grounds to 6 p.m.)	-	45	36	35	ogm	om	om		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

11th-12th Jan. 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 8.2 8.2	G.M.T. 12.1 12.1	G.M.T. 4.0 4.1
Greenwich ...	8.2 8.3	12.8 12.8	4.12 4.13
Wick ...	8.57 8.56	12.20 12.20	3.43 3.44
Valencia ...	8.47 8.47	12.49 12.49	4.51 4.52

## NOTES ON YESTERDAY'S WEATHER.

A fresh to whole gale from between South and South-East was experienced on many parts of our western and northern coasts during the night. The maximum temperature reported yesterday was below 40° in some parts of England. Heavy rain has fallen in Ireland and the south-west of England. Scarcely any sunshine was recorded except in the extreme south-west of England and at some Welsh stations. According to wireless reports very strong gales from South and South-East were experienced on Atlantic as far west as the 29th meridian.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.



12.25

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Sunday  
12th January, 1913.

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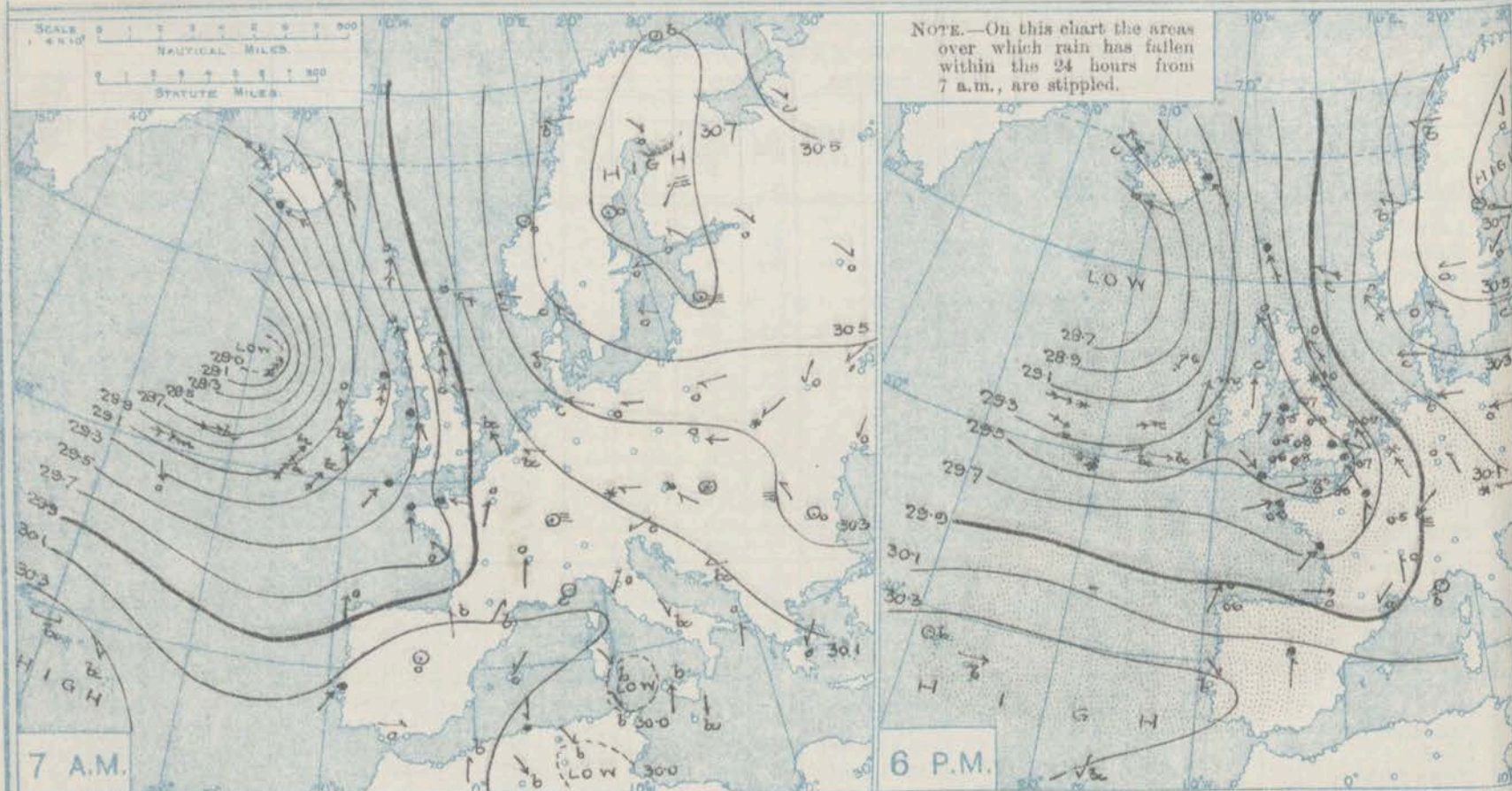
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12 JANUARY, 1913.																						
STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.			
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dir.	Force (0 to 12).				At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dir.	Force (0 to 12).	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	
Spitzbergen.	30.30	33	NW	2	r		30.04	+0.04	31	-	S	2	o			0.12	26	28				
Lerwick ... ..	In.	38	ESE	10	c		In.		38	-2	ESE	10	oq	9	0.08	40	35	chp	cgdp	chpy	Hours	
Stornoway ... ..	29.49	40	SE	8	o		29.97	+0.01	38	-4	SE	8	o	7	0.06	43	39	edpa	oq	oq	0.0	
Castlebay (Barra Isd.)							29.61	+0.03	39	-4	SE	8	o									
Malin Head ... ..	29.35	40	S	5	cg		29.53	+0.02	35	-4	SSW	4	bc	3	0.06	43	34	cgq	cg	og	*	
Blacksod Point ... ..	29.29	40	SSW	7	m		29.48	+0.03	38	-9	SSW	3	c	3	0.16	48	37	oapm	oapm	oapm	*	
Valencia ... ..	29.43	39	S	2	c		29.64	+0.05	39	-9	SW	4	bc	5	0.06	48	36	bcv.o	csp	cp	0.0	
Roche's Point ... ..	29.46	42	WSW	3	c		29.67	*	36	-11	NW	2	b	4	0.02	48	35	c	cp	cbp	*	
Birr Castle ... ..	29.37	41	S	1	bc		29.59	*	31	-14	SW	1	bc	*	*	48	30	c	bc	bc	1.2	
Donaghadee ... ..	29.43	39	SE	5	cg		29.58	+0.03	36	-4	WSW	2	bc	2	0.31	42	35	oqpm	oqpm	oqpm	*	
Liverpool Obsy. ... ..	29.47	33	ESE	5	s		29.63	+0.04	35	-1	ESE	1	r	1	0.65	37	31	ors	os	or	0.0	
Holyhead ... ..	29.36	43	SW	3	r		29.62	+0.04	39	-4	W	3	bc	2	0.51	43	39	ogp	orm	bc	*	
Pembroke (St. Ann's Hd.)	29.40	47	WNW	4	c		29.65	+0.03	44	-3	WSW	6	bcq	6	0.54	48	41	oqpm	oqpm	cg	0.0	
Newquay ... ..	29.43	46	SW	3	o		29.75	+0.06	41	-9	SW	3	b	4	0.55	50	40	org	bc-o	cp-chp	0.0	
Scilly (St. Mary's) ... ..	29.48	44	WNW	7	cpm		29.73	+0.01	44	-6	W	5	bcp	6	0.34	51	38	om	cpm	bc	0.0	
Jersey (St. Aubin) ... ..	29.46	47	WSW	3	om		29.81	*	45	-2	WSW	5	bcap	4	0.52	49	40	oqpm	stm	o-bc	0.0	
Portland Bill ... ..	29.39	49	SW	5	o		29.69	+0.05	44	-4	WNW	5	bc	5	0.78	49	43	or	or-p	cp	*	
Dungeness ... ..	29.49	42	SE	7	ry		29.62	+0.05	41	+5	W	5	c	4	0.43	46	35	od	org	rgmc	*	
Dover ... ..	29.61	36	SE	6	r		29.67	*	39	+6	WNW	4	bc	4	0.45	44	32	od-o	od-or	or-bc	0.0	
Wick ... ..	29.69	39	SSE	10	o		29.75	+0.04	38	-2	SSE	9	oq	8	0.09	40	34	oqpm	oqpm	oqpm	*	
Nairn ... ..	29.64	37	ESE	10	o		29.68	*	36	-3	SE	4	o	4	*	39	33	cg	og	og	0.0	
Aberdeen ... ..	29.76	38	SE	8	o		29.80	+0.01	34	-5	SE	7	r	7	0.14	39	34	og	og	orsq	0.0	
Leith ... ..	29.59	34	E	4	s		29.69	+0.03	35	-2	ESE	3	r	*	0.32	37	33	ogsq	ogrsq	sq	*	
North Shields ... ..	29.65	35	SE	8	rs		29.76	+0.03	35	0	SSE	6	rs	7	0.95	37	32	rs	rs	rs	0.0	
Spurn Head ... ..	29.62	34	ESE	9	s		29.55	+0.01	36	-1	ESE	8	r	7	0.44	37	35	oqpm	oqpm	oqpm	*	
Yarmouth ... ..	29.68	35	SE	9	s		29.55	+0.03	36	+1	ESE	6	o	7	0.75	38	34	bc-o	o-s	or-o	0.0	
Clacton-on-Sea ... ..	29.59	37	ESE	7	r		29.59	+0.08	38	+1	WNW	4	c	3	0.40	42	34	ogpm	ogpm	ogpm	0.0	
Nottingham ... ..	29.55	33	ESE	6	s		29.62	*	33	-2	W	2	o	*	0.85	35	32	ogpm	ogpm	ogpm	0.0	
Bath ... ..	29.39	48	S	1	o		29.70	*	39	-4	SW	1	b	*	0.84	49	38	t	r-o	-	0.0	
London (Kew Obsy.) ... ..	29.45	40	ESE	5	or		29.66	+0.07	39	+3	WSW	3	b	*	0.36	42	35	dmad	od-om	or-bc	0.0	
Isafjord ... ..	28.96	45	SE	9	c		28.96	+0.04	45	+2	S	9	c	*	*	*	*	GALES. Duration and Extreme Force on British Coast.				
Reykjavik ... ..	28.69	42	E	5	c		28.88	-0.01	42	+2	SE	6	r	*	*	*	*					
Vestmanna ... ..	28.70	43	ESE	10	o		29.02	+0.18	41	-1	SSE	7	o	?	*	*	*	Lerwick. 7 a.m. to 7 a.m. Extreme S.E. 10.				
Seydisfjord ... ..	29.28	40	SE	7	r		29.52	+0.06	41	-1	SE	5	r	*	*	*	*					
Thorshavn ... ..	29.62	40	SSE	10	r		29.78	+0.02	40	-2	SE	9	o	*	*	*	*	Malin Head. 7 a.m. to 11 a.m. Extreme S. 10.				
Haparanda ... ..	30.76	8	N	2	o		30.67	-0.01	8	-3	-	0	f	*	*	*	*					
Hernösand ... ..	30.70	25	-	0	o		30.62	-0.02	25	+2	NNW	4	o	*	0.04	27	23	Donaghadee 7 a.m. to 3 p.m. Extreme S.E. 10.				
Stockholm ... ..	30.54	29	NE	2	o		30.39	-0.04	30	+1	N	2	o	*	*	*	*					
Wisby ... ..	30.50	29	E	2	c		30.31	-0.04	31	+4	ENE	2	o	*	*	*	*	Silly. Squalls 9 a.m. to 5 p.m.				
Karlstad ... ..	30.58	30	E	2	o		30.43	-0.04	28	-1	-	0	o	*	*	*	*					
Färder (X'ania Fjord)																		Dungeness. 6 p.m. to 8 p.m. Extreme S.E. 8.				
Bodö ... ..	30.52	39	E	2	b		30.38	-0.00	35	-2	E	2	b	2	-	39	34					
Christiansund ... ..	30.29	40	ESE	1	b		30.31	-0.01	33	-5	E	2	b	2	-	43	33	Wick. 7 a.m. to 7 a.m. Extreme S.E. 10.				
Skudenes ... ..	30.30	35	SE	8	o		30.23	-0.01	33	-2	ESE	6	c	4	-	36	32					
The Scaw (Skagen) ... ..	30.42	34	SE	5	o		30.29	-0.02	32	-2	SE	5	o	1	-	34	32	Nairn. 10 a.m. to Noon. Extreme S.E. 9. 2 p.m. to 9 p.m. Extreme S.E. 10.				
Blaavands Huk ... ..	30.21	31	ESE	4	c		30.04	-0.03	31	+1	ESE	5	o	3	-	31	28					
Cuxhaven ... ..	30.15	31	E	6	b		29.95	-0.03	28	0	ESE	7	b	*	-	32	28	Aberdeen. 7 a.m. to midf. Extreme SSE 9 a.m. to 6 p.m.				
The Helder ... ..	29.90	31	E	6	o		29.71	-0.02	28		E	6	s	3	-	34	28					
Brussels ... ..	29.71	30	SE	5	s		29.58	+0.04	37	+11	WNW	4	r	*	0.39	37	25	Spurn Head. 7 a.m. to 7 a.m. Extreme S.E. 10.				
Berlin ... ..	30.23	30	E	4	o		30.03	-0.04	28	-2	E	3	o	*	0.24	36	27					
Frankfurt ... ..	29.98	30	SE	3	o		29.77	-0.01	27	-3	SE	2	s	*	?	25	21	Paris. 10 a.m. to Noon. Extreme S.E. 9. 2 p.m. to 9 p.m. Extreme S.E. 10.				
Munich ... ..	30.03	24	E	3	s		29.81	-0.04	23	0	E	2	s	*	*	*	*					
C. Gns Nez ... ..	29.56	34	ESE	5	r		29.65	+0.02	43	+12	WNW	7	b	6	0.71	43	31	Lorient (Bec Molen) ... ..				
La Hève ... ..	29.58	44	S	5	o		29.82	*	40	+3	W	6	bc	6	0.63	45	37					
Brest (St. Mathieu) ... ..	29.56	45	WSW	5	r		29.88	0.00	46	-4	WNW	5	c	5	0.53	50	45	Rochefort (Ile d'Alx) ... ..				
Lorient (Bec Molen) ... ..	29.57	50	NW	5	c		29.86	*	46	-4	W	4	c	5	0.43	52	41					
Rochefort (Ile d'Alx) ... ..	29.61	53	SW	5	r		29.99	*	49	+3	W	5	r	*	0.20	54	45	Biarritz ... ..				
Biarritz ... ..	29.82	58	W	5	o		30.11	*	50	+2	SSW	3	c	6	0.28	61	46					
Paris ... ..	30.03	44	SSE	4	r		29.80	+0.09	42	+8	W	3	b	*	0.39	48	34	Lyons ... ..				
Belfort ... ..	29.93	28	ENE	4	f		29.83	*	36	+8	W	7	r	*	0.51	36	27					
Lyons ... ..	29.84	47	SSE	3	o		30.04	*	42	+7	SW	2	b	*	-	50	25	Perpignan ... ..				
Nice ... ..	29.94	45	-	0	b		29.69	-0.08	51	+8	W	5	b	4	-	51	43					
Perpignan ... ..	29.88	48	NE	1	o		30.08	+0.05	50	+9	NW	4	bc	*	-	55	41	Sanguinaire ... ..				
Sanguinaire ... ..																						
Corunna (8 a.m.) ... ..	29.92	52	SSW	5	o		30.12	0.00	46	-12	S	3	bc	5	0.55	61	41	Lisbon (8 a				
Lisbon (8 a.m.) ... ..	30.30	52	NW	3	b		30.34	+0.03	50	-9	W	3	b	7	0.04	61	48	Gibraltar				
Gibraltar ... ..	30.23	60	W	2	o		30.26	*	51	-2	NW	3	b	1	0.03	65	50	Azores (P. Delgada)				
Azores (P. Delgada)	30.39	55	W	5	b		30.39	+0.01	53	+2	NNW	4	c	2	0.04	57	50	Azores (Horta)				
Azores (Horta)	30.37	53	-	0	b		30.40	0														



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 11<sup>TH</sup> JANUARY



GENERAL INFERENCE

WEATHER PROSPECTS.

FORECASTS FOR THE 24 HOURS NOON SUNDAY TO NOON MONDAY.

0 {  
a  
b

1

2 {  
a  
b

3

4 {  
a  
b

5

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

SOUTH CONE REHOISTED in all districts at 7.15 p.m.

6 {  
a  
b

7 {  
a  
b

8 {  
a  
b

9 {  
a  
b

10 {  
a  
b

11 WESTERN CHANNEL AND BAY.

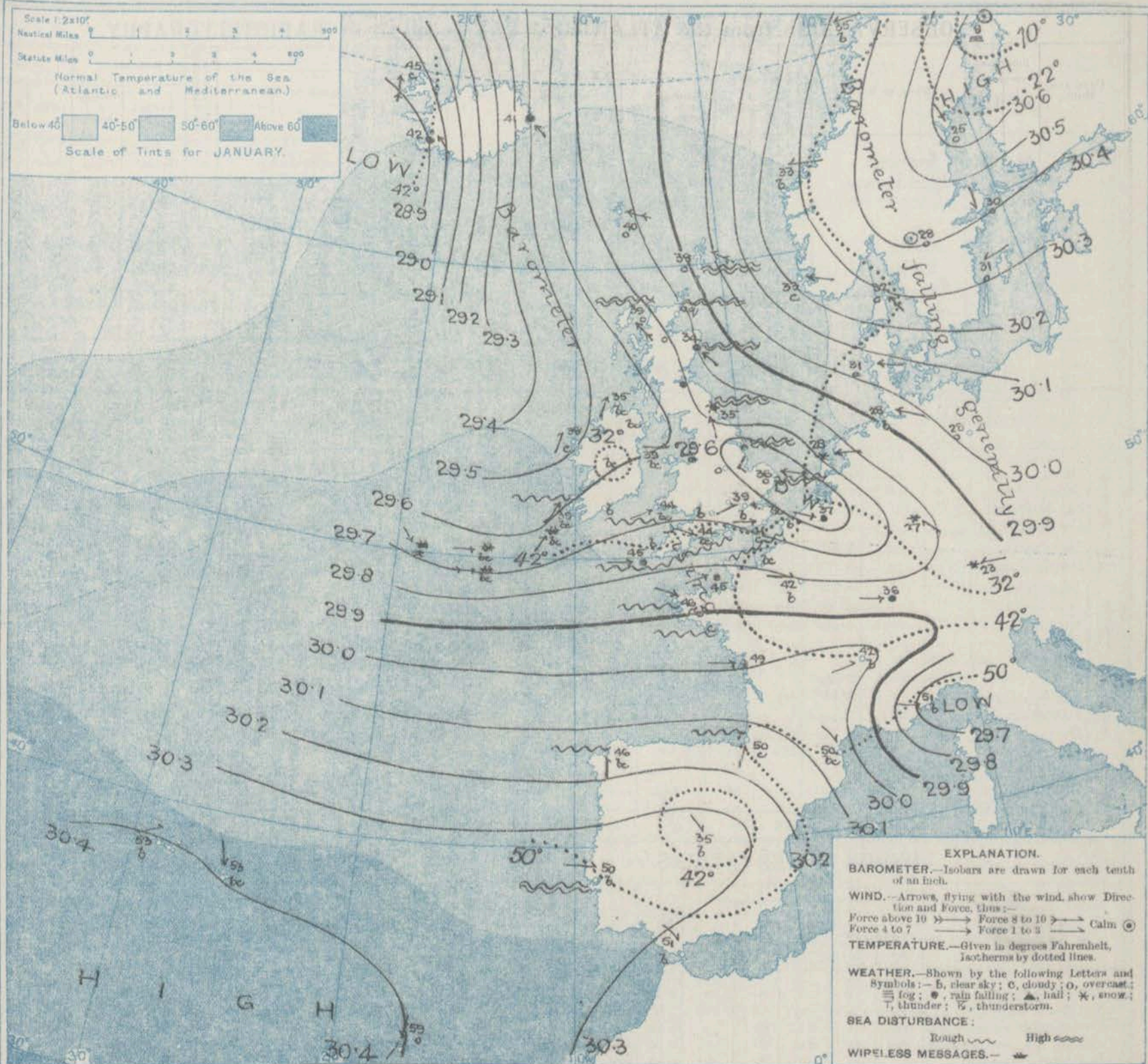
THE FURTHER OUTLOOK.

*None Issued*

*None Issued*



# SYNOPTIC CHART FOR 7 A.M. SUNDAY, 12<sup>TH</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

In an anticyclone over northern Sweden pressure is above 30.6 in. and in another over the Azores-Madeira region it is above 30.4 in. The recent very deep Atlantic cyclone is moving up past Western Iceland, where the barometer is below 28.9 in. A small secondary depression lies over Eastern England and Belgium, barometer below 29.6 in. The gradient is everywhere diminishing.

Over Ireland, England and South Western Europe Westerly to Southerly breezes prevail, fresh or strong locally, elsewhere the direction is South Easterly to Easterly, strong to a gale on the North Sea coasts and

round to the Hebrides, a strong gale at Wick, in the Faeroe and in North Western Iceland, a whole gale at Lerwick. At the home stations temperature ranges from 31° at Carr Castle to 45° at Jersey; on the Continent from 23° at Munich to 51° at Gibraltar and Nice; in Scandinavia from 8° at Japaraunda to 35° at Bodø; and in Iceland from 10° to 45°. The weather is in a very variable state generally, from fine and clear to dull, rain falling in many localities, sleet at North Shields, snow at the fells and over South Western Germany. A tremendously high sea is running off Shetland, very high off Wick, and high generally up the east coast of Britain and on the Minch.



## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Home-ward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Home-ward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
11th, 6 p.m.	50	22	<i>Corsican</i>	H	29.42	+0.7	WNW	8-9	s	11th, 7 a.m.	47	24	<i>Brinnchaha</i>	H	29.40	+0.4	WNW	6-7	o
"	51	21	<i>Royal Edward</i>	O	"	+0.9	W	8-9	s	"	50	24	<i>Ivernia</i>	O	28.95	+1.9	W	10-11	W
"	48	20	<i>Brinnchaha</i>	H	29.44	+0.5	W	8-9	s	"	50	21	<i>Beltic</i>	H	28.82	+1.03	W	8-9	o
"	51	17	"	O	29.36	-0.5	WSW	8-9	bc	"	51	20	<i>Royal Edward</i>	O	"	+1.10	W	8-9	bc
"	50	16	<i>Beltic</i>	H	29.21	+1.1	WSW	6-7	bc	"	54	17	<i>Cametonia</i>	H	27.98	+1.2	SW	8-9	o
"	51	15	<i>Thornmouth</i>	O	29.27	+0.2	WSW	8-9	c	"	51	14	<i>Thornmouth</i>	O	29.03	+0.2	SW	8-9	bc
"	55	13	<i>Cametonia</i>	H	28.97	+2.1	SW	8-9	c	"	50	12	<i>Thornmouth</i>	O	29.20	-0.1	WSW	8-9	bc
"	50	13	<i>Thornmouth</i>	O	29.40	+0.4	W	6-7	bc	"	50	11	<i>Thornmouth</i>	O	29.40	+0.4	W	8-9	o

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.	
Scotland.		In.					Hr.
{ Oban ...							
{ Stonehaven ...							
{ St. Andrews ...							
{ Carnoustie ...							
England, N.E.							
{ Harrogate ...		0.51	31	29	osq	osq	0.0
{ Scarborough ...		"					
England, N.W.							
{ Blackpool ...		0.50	39	33	os	os	0.0
{ Southport ...		0.38	35	33	ot s	os	0.0
{ Buxton ...		0.06	36	30	cm. o.s	s	0.0
{ Matlock ...							
{ Douglas ...							
Wales.							
{ Rhyl ...		0.36					0.0
{ Colwyn Bay ...		0.33	46	35	c	c	0.0
{ Llandudno ...							
{ Bettws-y-Coed ...							
{ Aberystwyth ...		0.20	44	42	o. ct	ot. o.	0.0
England, E.							
{ Lowestoft ...							
{ Felixstowe ...		0.14	37	35	m. o. q. s	m. o. q. r	0.0
{ Walton-on-Naze ...		"	37	33	o. q	o. q	0.0
{ Southend-on-Sea ...		0.11	38	33	o	ot. q	0.0
England, S.E.							
{ Margate ...		0.02	37	33	o	o. ot	0.0
{ Ramsgate ...		"	37	32	"	"	0.0
{ Deal ...		0.18	38	33	omg	d. tq	0.0
{ Folkestone ...		0.24	39	33	ot	ot	0.0
{ Littlestone ...		"	"	"	"	"	0.0
{ Hastings ...		0.37	42	36	op	ot	0.0
{ Bexhill-on-Sea ...		0.36	43	37	gr	r	0.0
{ Eastbourne ...		0.42	48	38	ot	ot	0.0
{ Seaford ...		0.50	44	36	o	d. r	0.0
{ Brighton ...		0.63	44	38	ot	r	0.0
{ Worthing ...		0.39	44	39	ot	ot	0.0
{ Littlehampton ...		"	"	"	"	"	0.0
{ Bognor ...							
{ Southsea ...							
{ Bournemouth ...		0.66	47	44	f. o.	f. o.	0.0
England, S.W.							
{ Weymouth ...		0.75	49	46	ot. o.	ot. c.	0.0
{ Teignmouth ...		1.02	50	44	ot.	ot. clp.	0.0
{ Torquay ...		0.93	50	45	f. o.	f. o.	0.0
{ Paignton ...		1.21	50	41	ot	ot	0.0
{ Ilfracombe ...		0.93	50	46	ot	ot	0.0
{ Weston-super-Mare ...							

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.
	3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.	
			Max.	Min.						
24 HOURS ENDED 9 A.M. TO-DAY.										
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										
Total.										
Average Rate.										
Max. Rate.										
Greenwich (Royal Obsy.) ...	%	%	43	34	30	0.25	ot	ot	ot. c. br	0.0
City (Nunhill Row) ...	"	"	"	"	"	"	"	"	"	0.0
Westminster (St. James's Pl.)	99	91	43	35	30	0.32	ot	ot	ot. bc	0.0
Camden Sq. (Brit. Rainfall)	98	94	42	35	31	0.50	otm	ot	ot. bc.	0.0
Hampstead (Reservoir) ...	"	93	40	32	29	0.58	otm	otm	otm. bc.	0.0
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	98	90	17.9 Joules.			0.6 Milli-watts.		2. Milli-watts.		0.0
Dublin to 4 p.m.	in.		47	43	42	gr	gr. c	cy.	cy.	0.0
Plymouth to 9 p.m.	1.30		50	43	40	ot	ot	ot. q. by	0.0	
Darwen "										
Manchester "	0.12		38	33	32	c	os	os.	0.0	
Birmingham "	0.63		37	32	30	s	s	s	0.0	
Oxford to 8 p.m.	"		41	35	34	om. otg	ogr	ogr		
S. Kensington (Museum Grounds to 6 p.m.)	0.19		41	35	34	om	om. r	otm. ot		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON  
AND SUNSET FOR STATIONS IN THE UNITED KINGDOM  
TO-DAY AND TO-MORROW

12th & 13th Jan., 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.2 8.1	12.1 12.2	4.1 4.3
Greenwich ...	9.3 9.3	12.8 12.9	4.13 4.15
Wick ...	8.56 8.55	12.20 12.21	3.44 3.46
Valencia ...	8.47 8.46	12.49 12.50	4.52 4.54

## NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature remained below 40° in many parts of Britain, and did not exceed 31° at Harrogate, but in the south west there were a few maxima of about 50°. There were heavy falls of snow over the northern districts and of rain in the south, the yield of water being from ¾ inch to more than an inch in several places. Only Burr Castle reported a little sunshine. As far west as the 25th meridian ships experienced South-Western to West-South-West strong winds to storm force. A severe S.E. gale raged on most of our coast.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.



12.26

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Monday,  
13th January, 1913.

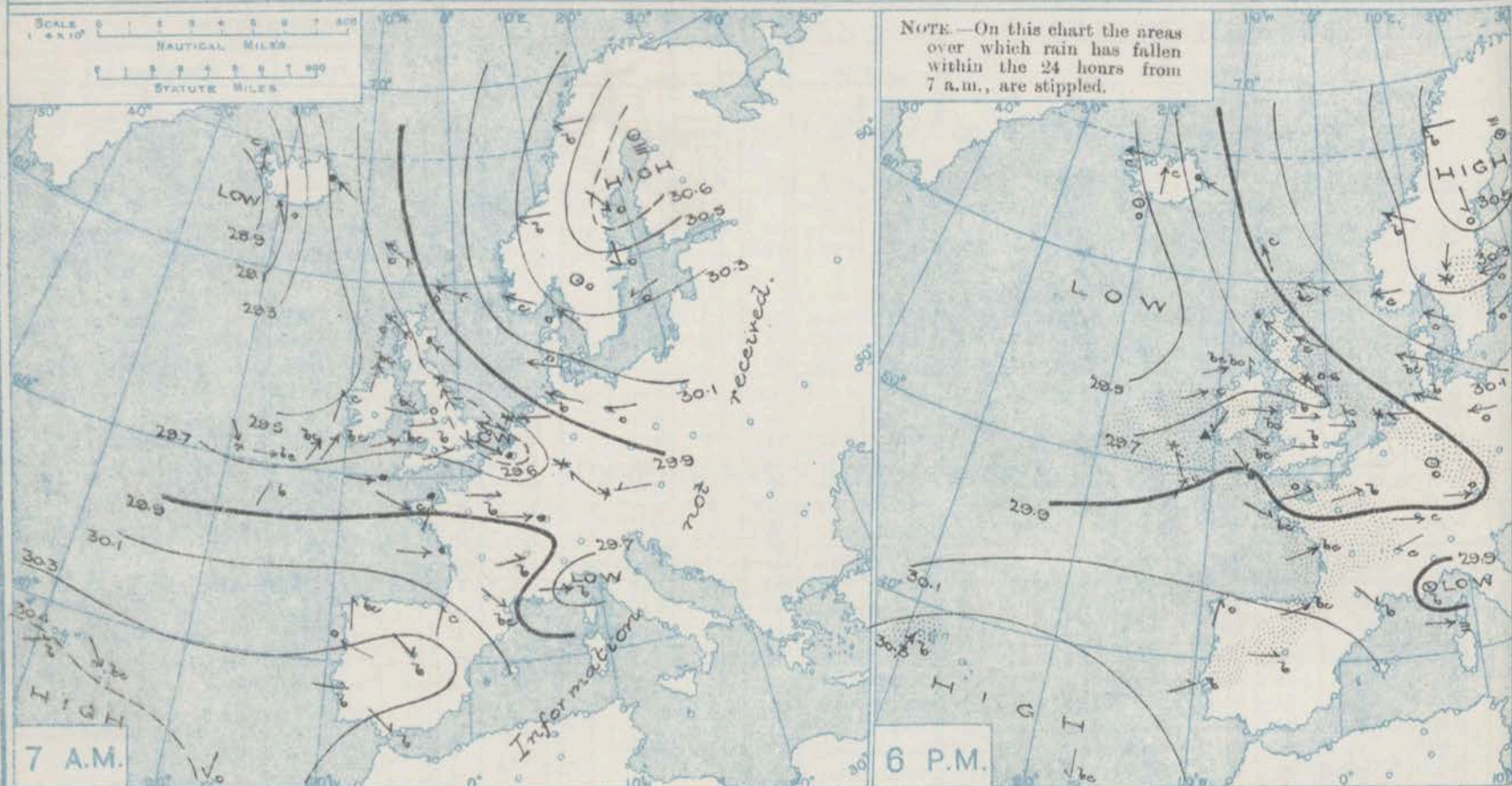
STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
	Barom.		Temp.		Wind.	Force (0 to 12).	Weather.	Barometer.		Temp.		Wind.	Force (0 to 12).	Weather.	Sea (0 to 5).	Rain- fall.	Temp.		Weather.				
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Wet Bulb.	Dir.				Force (0 to 12).	At 32° Fahr. and M.S.L. Lat. 45°.	Change since 1 a.m.	Dry Bulb.						Change since Yester- day.	Dir.	Force (0 to 12).	Weather.	Max.	Min.	
Spitzbergen ...	30.37	32	SE	4	0		30.24	+0.3	35	+1	W	2	0				35	30					
Lerwick ...	30.03	36	ESE	10	c		30.00	+0.1	34	-4	ESE	9	0	9	0.31	39	32	opsq	opsq	opsq	Hours		
Stornoway ...	29.73	37	SE	7	opp		29.76	+0.1	38	-1	SSE	6	0	5	0.04	40	36	opsq	opsq	opsq	0.0		
Castlebay (Barra Isd.) ...																							
Malin Head ...	29.66	35	S	3	bc		29.71	+0.2	33	-2	S	2	b	1	-	38	32	bc	bc	bc			
Blacksod Point ...	29.65	36	WSW	5	c		29.65	-0.1	38	0	ESE	4	0	3	0.07	40	32	cm	cmph	bc			
Valencia ...	29.75	37	NE	3	bc		29.59	-0.5	36	-3	SE	2	0	5	0.04	44	34	bc	beph	bese	2.9		
Roche's Point ...	29.77	39	WNW	1	b		29.66		40	+4	SW	4	1	4	0.03	41	31	b bc	bc b	b. f			
Birr Castle ...	29.72	32	SW	2	c		29.69		26	-5	SW	1	bc		0.02	39	26	beps	cc	bese	0.0		
Donaghadee ...	29.71	35	WSW	3	c		29.76	+0.2	28	-8	WSW	2	b	1	-	37	27	bc	cm	bese			
Liverpool Obsy. ...	29.74	36	WSW	2	b		29.79	+0.1	32	-3	SSE	1	b	2	0.16	39	30	opsq	p. bc	s	2.4		
Holyhead ...	29.72	39	W	4	bc		29.74	0.0	38	-1	SW	1	b	0	0.01	43	36	bc	ph	bc			
Pembroke (St. Ann's Hd.) ...	29.79	42	WNW	4	bc		29.74	-0.2	36	-8	NE	2	b	3	0.04	44	35	bcg	eggs	bc	1.5		
Newquay ...	29.80	41	W	4	b		29.70	-0.5	38	-3	SE	1	cr	3	0.09	46	33	buck	bc	bepop	5.0		
Scilly (St. Mary's) ...	29.91	40	NW	1	bcp		29.66	-0.4	41	-3	SSE	3	cp	4	0.08	46	38	bcp	bcp	bcp	3.5		
Jersey (St. Aubin) ...	29.85	45	WSW	3	om		29.81		43	-2	SSE	3	og	3	0.05	48	36	bc	c. op c	op bc	2.8		
Portland Bill ...	29.81	44	NW	3	bc		29.80	-0.1	44	0	SE	3	bc	4	-	45	36	bc	bc	bc			
Dungeness ...	29.77	40	W	4	c		29.81	+0.1	31	-10	NW	2	bese	2	-	46	30	c	c	b			
Dover ...	29.81	38	SW	3	b		29.87		30	-9	NW	1	b	2	-	44	29	c	b	bese	6.6		
Wick ...	29.85	38	SSE	7	c		29.84	+0.1	38	0	SSE	6	c	6	0.05	39	34	cmph	cmph	cmph			
Nairn ...	29.79	35	ESE	2	0		29.80		34	-2	ESE	1	bc	1	-	36	33	sc	c. o.	q. bc	0.0		
Aberdeen ...	29.84	34	ESE	6	c		29.87	+0.2	35	+1	SE	5	s	6	0.23	36	33	opsq	opsq	opsq	0.0		
Leith ...	29.73	36	ESE	1	0		29.80	+0.3	33	-2	SE	1	s		0.04	36	33	op	c. c.	ops.			
North Shields ...	29.72	36	SSE	5	rs		29.79	+0.1	34	-1	S	2	0	5	0.12	39	31	rs	rs	s			
Spurn Head ...	29.69	37	E	3	c		29.77	+0.1	33	-3	W	4	f	5	0.22	37	32	cm	cm	f			
Yarmouth ...	29.72	34	W	2	bc		29.81	+0.5	30	-6	W	2	bc	2	-	38	29	c c	c. bc	bese	0.0		
Clacton-on-Sea ...	29.73	38	W	3	b		29.82	+0.1	30	-8	W	1	bc	1	-	42	30	c bc	bc b	bese	2.2		
Nottingham ...	29.74	32	W	2	b		29.80		22	-11	W	2	om		-	36	20	c. bc	bc	bese	0.0		
Bath ...	29.80	39	W	2	0		29.82		28	-11	E	1	b		0.02	43	27	-	-	-	1.8		
London (Kew Obsy.) ...	29.79	37	W	2	b		29.85	+0.2	27	-12	-	0	bese		-	43	25	bese	c. bc b	bese	5.8		
Isafjord ...	29.48	37	E	6	c																		
Reykjavik ...	29.44	35	SE	3	0																		
Vestmanna ...	29.47	35	-	0	0																		
Seydisfjord ...	29.74	38	ESE	4	r																		
Thorshavn ...	29.90	40	SSE	7	c																		
Haparanda ...	30.56	8	-	0	f		30.51	0.0	3	-5	-	0	f			8	0						
Hernösand ...	30.55	24	E	2	0		30.50	-0.1	21	-4	N	2	0			27	19						
Stockholm ...	30.41	28	E	6	0		30.36	-0.2	25	-5	NE	2	0			30	25						
Wisby ...	30.31	30	ENE	2	0		30.30	0.0	29	-2	ENE	2	0			32	27						
Karlstad ...	30.39	28	NE	4	s		30.40	0.0	26	-2	E	2	0			30	25						
Færder (X'ania Fjord) ...	30.32	32	NE	6	0		30.34	+0.1	29	-2	ENE	1	0			30	28						
Bodö ...	30.50	31	E	2	b		30.38	-0.1	31	-4	E	2	b	0		35	28						
Christiansund ...	30.25	35	ESE	6	b		30.28	0.0	30	-3	ESE	1	b	2		35	28						
Skudesnaes ...	30.21	35	E	6	c		30.20	0.0	34	+1	E	6	c	3		35	32						
The Scaw (Skagen) ...	30.23	35	ESE	7	c		30.25	+0.1	33	+1	ESE	6	0	4		36	32						
Blaavands Huk ...	30.04	29	ESE	5	bc		30.06	+0.1	29	-2	ESE	6	0	2		31	28						
Cuxhaven ...	29.94	28	ESE	7	b		29.97	0.0	27	-1	ESE	7	0			30	27						
The Helder ...	29.79	28	E	4	s		29.85	+0.3	29	+1	ENE	1	0	1		29	27						
Brussels ...																							
Berlin ...	30.03	27	E	4	0		30.08	+0.3	26	-2	E	3	0			30	25						
Frankfurt ...	29.88	29	-	0	0		29.96	+0.2	22	-5	NE	1	0			30	18						
Munich ...	29.89	34	W	6	0		29.99	+0.1	32	+9	SW	2	c			36	23						
C. Gris Nez ...	29.80	42	WNW	5	b		29.84	+0.1	37	-6	S	1	bc	2		46	36						
La Hève ...	29.82	41	W	3	0		29.88		36	-4	NE	3	c	3		43	34						
Brest (St. Mathieu) ...	29.90	45	WNW	3	bc		29.74	-0.5	45	-1	W	5	bc	5		46	43						
Lorient (Bec Melan) ...	29.86	45	NW	2	bc		29.76		45	-1	WNW	4	c	5		52	37						
Rochefort (Ile d' Aix) ...	29.93	47	WSW	5	bc		29.91		44	-5	SSW	4	r	5		50	41						
Biarritz ...	30.09	50	WSW	4	bc		29.99		50	0	SSW	3	b	7		55	45						
Paris ...	29.90	40	SW	2	b		29.93	+0.3	33	-9	SSW	1	b			47	33						
Belfort ...	29.94	35	W	5	c		29.96		32	-4	-	0	s			41	32						
Lyons ...	30.04	40	ENE	1	c		30.03		35	-7	SSW	1	0			49	34						
Nice ...	29.86	49	-	0	b		29.95	+0.2	42	-9	E	1	b	2		57	39						
Perpignan ...	30.04	45	NW	1	b		30.07	+0.1	37	-13	SW	2	b			56	35						
Sanguinaire ...	30.03	50	W	6	m		30.10		51		W	5	c	5		55	43						
Corunna (S. a. m.) ...	30.04	50	SEW	3	0		30.00	0.0	46	0	S	3	0	7		55	43						
Lisbon (S. a. m.) ...	30.26	52	WSW	3	b		30.14	0.0	51	+1	SW	2	c	7		57	50						
Gibraltar ...	30.20	52	NW	3	b		30.20		47	-4	NW	2	bc	1		?	?						
Azores (P. Delgada) ...																							
Azores (Norta) ...	30.34	57	SW	4	b																		

\* Information for these columns not usually received.

† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 12<sup>TH</sup> JANUARY.



## GENERAL INFERENCE

The anticyclonic system over Northern Europe seems likely to maintain its position, while a depression which is at present causing a fall of

## WEATHER PROSPECTS.

the barometer on our most western and south-western coasts, will probably move in an easterly or south-easterly direction.

### FORECASTS FOR THE 24 HOURS NOON MONDAY

### TO NOON TUESDAY

- 0 { S.E. strong winds or gales; some snow [showers].
- 1 { Wind mainly S.E., fresh or strong at times; much cloud, snow occasionally; temperature low.
- 2 { } light Variable airs, with mist or fog in many places; then S.E. winds, freshening, with snow showers; temperature continuing low.
- 3 { }
- 4 { }
- 5 { }

#### FORECAST DISTRICTS.



#### STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

NO WARNINGS ISSUED.

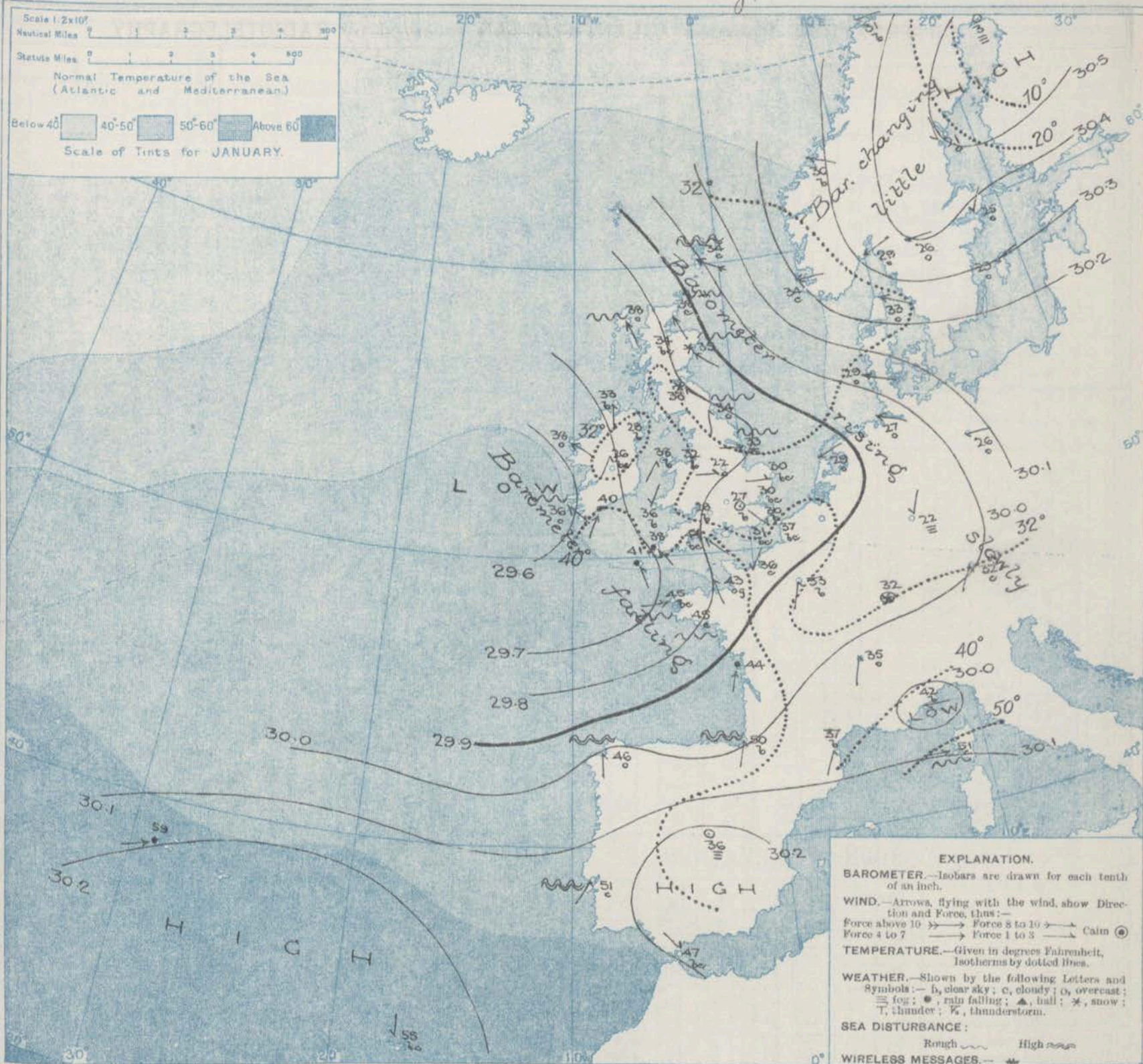
- 6 { } Same as No. 1.
- 7 { } Wind mainly S.E. freshening; fair, then some snow; cold.
- 8 { } S.E. winds, light to strong; sleet or rain at times; temperature low.
- 9 { } Wind mainly S.E., varying in force; changeable, some rain.
- 10 { } sleet or snow; temperature low.

11 WESTERN CHANNEL AND BAY. S.E. winds, freshening much Channel, S.W. freshening on Bay; some rain or sleet, misty; sea moderate to rough.

## THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. Monday, 13<sup>th</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.5 in. in the north of Sweden and relatively high over the whole of Scandinavia, but in a depression on the Atlantic to the south-westward of Ireland it is below 29.6 in. At the Azores the readings increase to about 30.2 in.

The wind still blows a strong gale from the South-east in Skotland, and is moderate to strong from that point on the Scottish coasts. Over these islands generally, however, the direction is rather variable and the force

light or moderate. Temperature has fallen in almost all regions. Over the United Kingdom it ranges from 44° at Portland Bill to below 35° generally, to 26° at Birt Cestle and 22° at Nottingham. Snow is falling on the east coast of Scotland, and rain at some of our south-western stations, but over the Kingdom generally the weather is fair to bright. Fog prevails at the mouth of the Stumber. Rain is reported at Rochefort and snow at Belfort, but at most French stations the sky is clear.



# DAILY WEATHER REPORT.

Monday, 13th January, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
12h, 6 p.m.	49	11	<u>Minnehaha</u>	H	29.77	-0.2	SW	4-5	c	12h, 7 a.m.	50	15	<u>Montrose</u>	O	29.65	+0.1	W	6-7	bc
" "	55	9	<u>Packorian</u>	O	?	+0.1	WSW	4-5	bc	" "	48	15	<u>Minnehaha</u>	H	29.82	+0.3	SW	1-3	b
" 7 a.m.	50	18	<u>Gorsican</u>	H	29.68	+0.3	NW	6-7	s	" "	51	13	<u>Gorsican</u>	H	29.72	-0.6	SE	1-3	s
" "	49	15	<u>Pesaba</u>	O	?	+0.2	W	8-9	bc.	" "	51	11	<u>Beltic</u>	H	29.56	+0.4	SW	6-7	bc

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.	
Scotland.		In.					Hr.
Oban							
Stonehaven							
St. Andrews							
Carnoustie							
England, N.E.							
Harrogate		0.89	32	31	S.O.	om.	0.0
Scarborough		"					
England, N.W.							
Blackpool							
Southport		0.37	38	31	c.op	bcg.bc.	1.0
Buxton							
Matlock							
Douglas							
Wales.							
Rhyl		0.14	42	32	b	b	4.4
Colwyn Bay		0.18	43	35	bcp	pr.b.c.	4.3
Llandudno		0.17	40	35	bc.r	bc.	4.0
Bettws-y-Coed							
Aberystwyth		0.12	44	38	dr.c.	c.bc.	3.5
England, E.							
Lowestoft		0.64	37	34	o	o.c.	0.0
Felixstowe		0.59	42	35	cm.	b.bc.	1.9
Walton-on-Naze		?	42	35	o.bc.	b.bc.	1.7
Southend-on-Sea		0.23	42	33	b	b	4.0
England, S.E.							
Margate		0.43	44	35	b	b	
Ramsgate		0.37	43	33	*	*	
Deal		0.43	44	36	r.c.bc.	bc.b.	
Folkestone		0.35	45	39	bc.b.	bc.b.	
Littlestone		"					
Hastings		0.34	46	37	ot.b.	b	
Bexhill-on-Sea		0.25	45	38	b	b	
Eastbourne		0.49	44	40	b.b.c.b.	b	
Seaford							
Brighton		0.25	44	40	b	b.b.c.	
Worthing		0.41	45	37	b	b	
Littlehampton		"					
Bognor							
Southsea		0.86	45	39	b	b.b.c.	
Bournemouth		"	45	37	b	b	
Weymouth		0.07	45	38	bc.	b	
Teignmouth		0.10	47	38	b.	chp.b.	
Torquay		0.16	46	36	b	bc.b.	
Paignton		0.08	47	36	b	b	
Ilfracombe		0.24	45	38	bcp	bcp	
Weston-super-Mare		0.25	44		ch.b	bcp	

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass		Fore- noon.	After- noon.	Night.
			Max.	Min.					
			24 HOURS ENDED 9 A.M. TO-DAY.						
Greenwich (Royal Obs.) ...	76	84	43	26	18	—	b	b	bx.f
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	"
Westminster (St. James's Pl.)	81	100	44	28	26	—	bc	bc	bx.f
Camden Sq. (Brit. Rainfall)	"	97	43	27	23	—	b	b	bx.f
Hampstead (Reservoir) ...	"	95	42	29	21	—	bc	bc	bx.f
Kew. (See front page.)									
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									
			Total.		Average Rate.		Max. Rate.		
S. Kensington (Roof of M.O.)	"	90	27.8 Jones.		9.5 Milliwatts.		17.5 Milliwatts.		

## Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.		WEATHER.		
		In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.
		Max.	Min.			
Dublin to 4 p.m.	0.01	38	34	30	obc	bc
Plymouth to 9 p.m.					bc	bc
Darwen						
Manchester						
Birmingham	0.07	39	32	27	s.b.c	bc
Oxford to 8 p.m.	"	43	35	29	ot.c.b.c	b
S. Kensington (Museum Grounds to 6 p.m.)	0.11	43	38	28	ot.b.c	bz.b.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

Stations.	Sunrise.			Noon.			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.
Yarmouth	8.1	12.2	4.3	8.0	12.2	4.4	8.3	12.9	4.15
Greenwich	8.2	12.9	4.16	8.2	12.9	4.16	8.55	12.21	3.46
Wick	8.54	12.21	3.48	8.54	12.21	3.48	9.46	12.50	4.54
Valencia	8.45	12.50	4.55	8.45	12.50	4.55			

During yesterday temperature remained as low as 32° at Harrogate but rose to 45° or a little higher at many places in the south and south-west of England. Sharp frost occurred at night over a wide area; at Nottingham the thermometer fell to 20° and at Kew Observatory the instrument on the grass touched 14°. Snow has fallen in the east and north-east of these islands, and rain in the south-west. Aurora was observed at Liverpool.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrapping.



## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Tuesday,  
14th January, 1913.

14th January, 1913.																							
STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
	BAROM.		TEMP.	WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.						
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dir.	Force (0 to 12).		At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dir.					Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.				
Spitzbergen ...	30.21	33	NW	2	bc	30.08	-0.6	29	-6	W	1	0	*	-	37	27							
Lerwick ...	In.					In.	In.							In.								Hours	
Stornoway ...	30.06	36	ESE	7	c	29.91	-0.4	39	+5	ESE	8	cq	7	0.30	39	32	bcsq	cpq	cpq				
Castlebay (Barra Isd.)	29.82	38	SE	5	c	29.68	-0.04	35	-3	S	3	c	4	-	39	35	cbcsq	cbcsq	c			0.0	
Malin Head...													*										
Blackod Point ...	29.72	34	S	3	bcq	29.54	-0.3	33	0	S	5	c	3	0.06	37	31	bcq	bcq	cg			*	
Valencia ...	29.62	36	SE	5	m	29.47	-0.6	35	-3	SSE	4	bc	4	-	39	34	om	omd	bc			*	
Roche's Point ...	29.70	37	SW	1	bep	29.52	-0.8	34	-2	SSE	3	c	4	0.31	44	32	opht	bep	c.b.s			2.7	
Birr Castle ...	29.71	37	NW	1	b	29.61	*	32	-8	NNE	1	bc	3	0.35	41	32	r.bc.	bc.b	bpbf			*	
Donaghadee ...	29.67	34	S	1	c	29.57	*	29	+3	SE	2	bc	*	0.05	37	26	c.ot	ot.c.	bc.c.			0.0	
Liverpool Obsy. ...	29.77	40	SE	4	cg	29.64	-0.5	36	+8	SE	4	r	4	0.09	41	28	bc	og	cg.ot			*	
Holyhead ...	29.80	31	SE	2	m	29.72	-0.3	28	-4	SE	1	b	1	-	34	27	bc	bm.	bm.			4.8	
Pembroke (St. Ann's Hd.)	29.74	36	ESE	3	b	29.65	-0.2	37	-1	SE	3	0	2	-	40	32	bc	b	b			*	
Newquay ...	29.70	36	WNW	4	0	29.66	-0.2	36	0	ENE	1	bc	0	0.54	43	32	br	cpm	ogmsq			0.4	
Scilly (St. Mary's) ...	29.70	41	W	2	b	29.69	-0.0	33	-5	E	2	bc	3	0.11	42	31	c.ot	bc	bc			1.1	
Jersey (St. Aubin) ...	29.71	43	NW	5	bc	29.69	-0.3	43	+2	SSW	2	bc	4	0.21	46	37	bep	bc	b			4.6	
Portland Bill ...	29.76	45	W	4	c	29.74	*	38	-5	WNW	2	ome	2	0.12	47	35	orm	o.	c.bc	chbo		1.8	
Dungeness ...	29.65	44	ESE	2	c	29.71	0.0	39	-5	-	0	bc	2	0.09	46	35	cg	cp	c.bc.			*	
Dover ...	29.79	41	S	5	r	29.76	+0.1	43	+12	S	5	0	5	0.28	44	29	bc	ctq	q.o.e.			*	
Wick ...	29.84	39	SE	3	0	29.72	*	42	+12	SSE	4	0	5	0.26	42	29	bc	op	otshq			1.7	
Nairn ...	29.92	37	SSE	6	c	29.76	+0.1	36	-2	SSE	4	c	5	0.08	39	33	enph	cpshq	cpshq			*	
Aberdeen ...	29.86	34	SE	1	0	29.73	*	27	-7	-	0	b	1	-	37	26	z.bc.	z.o.	bc.			0.6	
Leith ...	29.90	36	SE	4	c	29.81	0.0	37	+2	SSE	3	c	4	0.05	37	27	ocqsp	eshq	esp			0.0	
North Shields ...	29.82	34	SE	1	c	29.80	0.0	26	-7	SE	1	b	*	0.01	36	25	ops	c	ay			*	
Burn Head ...	29.82	34	ESE	2	3	29.81	-0.2	25	-9	SE	1	f	5	0.32	36	24	s	s. 13	s. of.			*	
Larmouth ...	29.83	31	WSW	4	f	29.70	-0.4	40	+7	ESE	6	cg	6	Trace	40	30	f	f	omv			*	
Clacton-on-Sea ...	29.87	34	E	2	bc	29.80	-0.1	40	+10	SE	4	c	4	0.12	41	28	bc	bc	bepc			3.0	
Nottingham...	29.83	40	SSE	3	c	29.77	0.0	40	+10	SSE	4	bc	4	0.20	42	30	bc	bm	bm	cp	ot.bc		4.6
Bath ...	29.82	20	W	1	f	29.70	*	30	+8	NE	2	S	*	0.03	30	16	omfoc	fox	fox			0.0	
London (Kew Obsy.)...	29.74	33	E	2	b	29.73	*	34	+6	S	1	0	*	0.01	35	28	-	-	-			0.4	
Isafjord...	29.80	35	E	3	bcm	29.75	+0.1	35	+8	SW	2	bc	*	0.04	38	24	bm	gfc	gfc	tem	omv		0.0
Reykjavik ...																							
Vestmanna ...																							
Seydisfjord ...																							
Thorshavn ...																							
Haparanda ...	30.59	16	N	2	f	30.57	0.0	14	+11	N	2	0	*	-	?	?							
Hernösand ...	30.52	15	N	2	0	30.51	+0.2	17	-4	N	2	0	*	-	?	?							
Stockholm ...	30.37	27	NE	4	0	30.41	+0.3	27	+2	NE	2	0	*	0.04	21	14							
Wisby ...	30.28	29	NE	4	0	30.37	+0.4	29	0	NE	2	0	*	-	28	25							
Karlstad ...	30.43	26	NE	2	0	30.43	+0.2	22	-4	-	0	0	*	-	30	28							
Färder (X'ania Fjord)	30.39	29	ENE	5	0	30.41	+0.1	38	+4	ENE	4	0	*	-	27	23							
Bodö ...	30.37	29	E	4	b	30.38	-0.2	28	-3	E	4	b	2	-	38	25							
Christiansund ...	30.30	27	ESE	1	b	30.25	-0.1	26	-4	-	0	b	1	-	36	27							
Skudesnaes ..	30.25	33	ESE	6	c	30.21	-0.1	33	-1	ESE	6	c	4	-	30	25							
The Scaw (Skagen)...	30.25	34	SE	3	0	30.34	+0.1	33	0	ESE	3	0	4	-	34	30							
Blaavands Huk ...	30.32	39	SE	3	0	30.25	+0.2	27	-2	SE	4	0	2	-	34	32							
Cuxhaven ...	30.17	29	ESE	4	0																		
The Helder ...	30.11	28	SE	6	0	30.18	+0.1	23	-4	ESE	5	b	*	-	28	23							
Brussels ...	29.97	31	SE	2	m	29.98	+0.1	31	+2	ESE	3	b	1	-	32	28							
Berlin ...	29.94	35	SE	2	bc	29.91	0.0	33	+3	SE	2	c	*	-	39	29							
Frankfurt ...	30.21	27	E	2	0	30.26	+0.1	26	-0	E	3	0	*	-	28	23							
Munich ...	30.07	28	NE	1	0	30.07	+0.1	31	+9	NE	1	0	*	-	32	21							
C. Gris Nez ...	30.10	29	-	0	S	30.12	-0.1	28	-4	E	2	f	*	0.04	34	27							
La Hève ...	29.85	37	SSE	2	0	29.79	0.0	37	0	SE	4	c	2	0.04	41	36							
Brest (St. Mathieu) ...	29.81	37	SE	4	0	29.78	*	36	0	SE	4	c	3	-	41	34							
Lorient (Bec Meien)...	29.81	46	NW	3	bc	29.72	-0.2	41	-4	NE	2	b	5	-	50	37							
Rochefort (Ile d' Aix)	29.78	46	NW	3	bc.	29.59	*	41	-4	ENE	4	c	4	-	54	37							
Biarritz ...	29.88	45	S	3	c	29.55	*	43	-1	SE	5	r	*	0.24	55	41							
Paris ...	29.92	51	SE	3	0	29.64	*	51	+1	S	4	b	5	-	54	48							
Belfort ...	29.90	39	SSE	2	0	29.85	-0.2	36	+3	-	0	0	*	0.04	41	33							
Lyon ...	30.04	35	-	0	m.	29.98	*	30	-2	ENE	4	c	*	0.16	37	30							
Nice ...	30.01	39	SW	2	b	29.92	*	35	0	SE	4	b	*	-	44	34							
Perpignan ...	29.93	47	-	0	b	30.02	-0.1	40	-2	-	0	bc	2	-	54	36							
Sanguinaire ...	30.02	43	SE	1	b	29.80	-0.6	44	+7	SW	3	b	*	-	55	34							
Corunna (S. a.m.) ...	30.10	51</																					

## GALES.

Duration and Extreme Force  
on British Coasts.

Lerwick, Jan. 13th.

ESE, 9.

and

Jan. 14th.

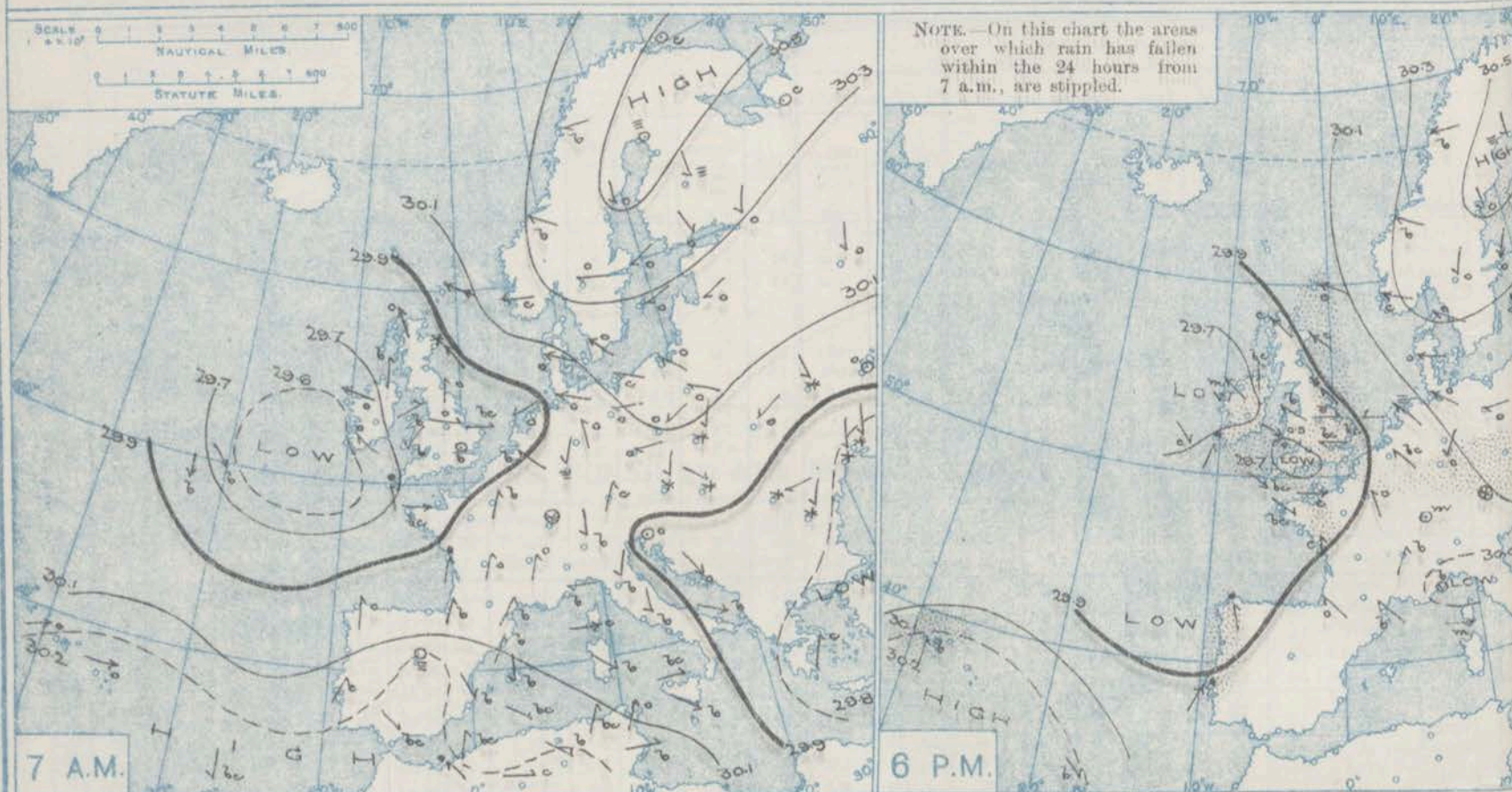
Squalls, ESE, 8.

\* Information for these columns not usually received.

† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 13<sup>TH</sup> JANUARY.



## GENERAL INFERENCE

With the pressure distribution obtaining over Western and Northern Europe it appears probable that the depression now encroaching

## WEATHER PROSPECTS.

on the western districts of the United Kingdom will move in a southeasterly direction.

## FORECASTS FOR THE 24 HOURS NOON TUESDAY

## TO NOON WEDNESDAY.

- 0 { a) S.E. winds, fresh or strong in places; much cloud, some snow or sleet; temperature low.

- 1 { Wind between S.E. and E., light to fresh, strong locally later; cloudy

- 2 { a) or dull, some mist, sleet or snow showers; low temperature.

- 3 Same as No. 5.

- 4 { a) Same as Nos. 1 & 2.

- 5 { Wind mainly between S.E. and E., freshening later; much cloud, some local mist or fog, then some rain or sleet; temperature rather low.

## FORECAST DISTRICTS.



## STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Coast.	South Coast.
North Coast.	North Coast.

NO WARNINGS ISSUED.

- 6 { a) b)
- 7 { a) b)

Same as Nos. 1 & 2.

- 8 { a) Wind light to fresh between E. and S.E.; fair, then some rain or sleet; temperature low.

- 9 { a) Wind between S. and E., increasing in force; some rain or sleet, snow locally; temperature low.

- 10 { a) b)

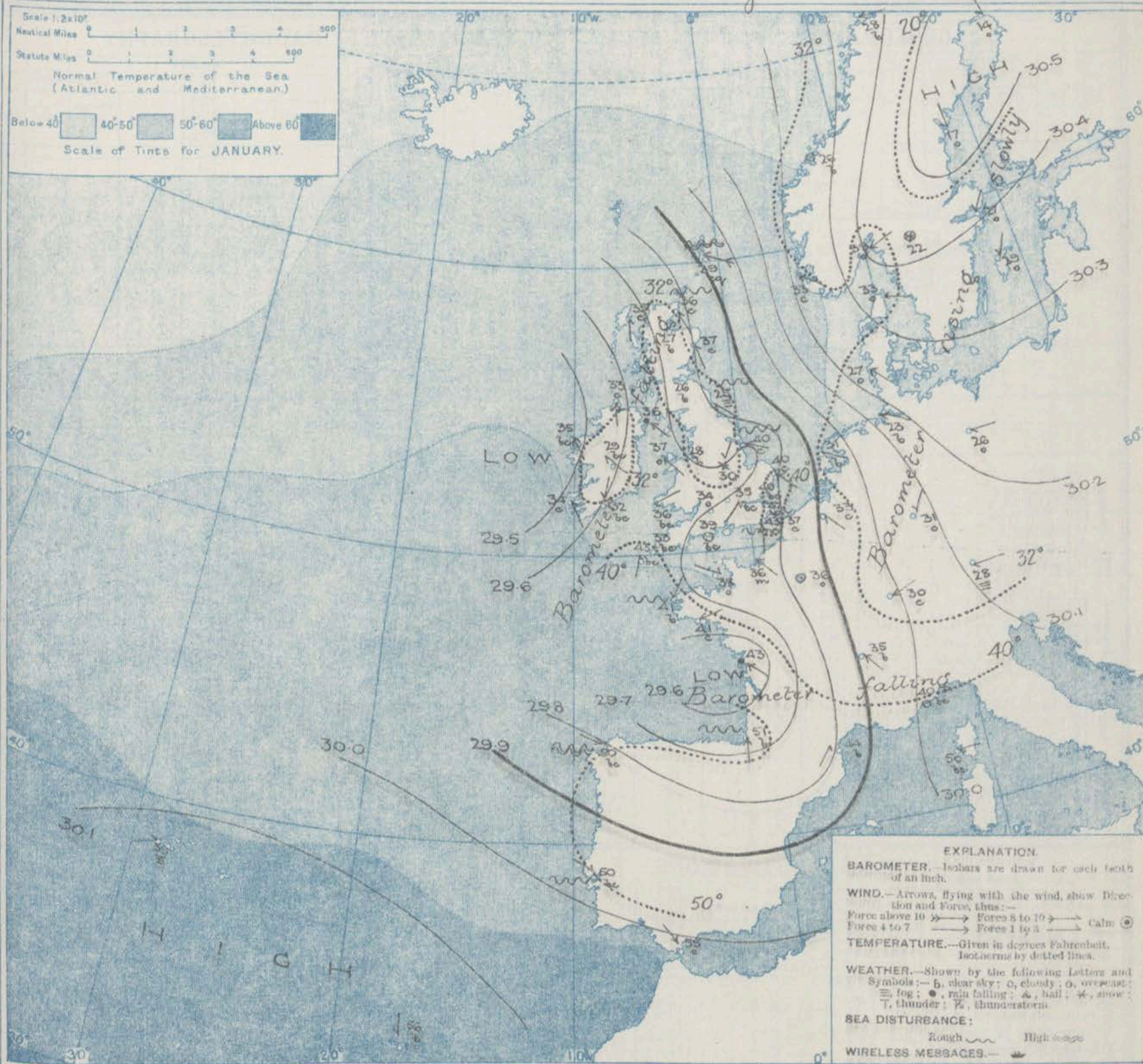
## 11 WESTERN CHANNEL AND BAY.

Wind mainly S.E. or E., light to fresh; sea moderate or rather rough; some mist, rain or sleet at times.

## THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. *Tuesday, 14<sup>th</sup>* JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

The barometer is above 30.5 in. over the north of Sweden, and still relatively high over the whole of Scandinavia and the Baltic region. In the west of Ireland and on the adjacent part of the Atlantic the readings are below 29.5 in. and in another depression which has appeared over the Bay of Biscay they are below 29.6 in. A small secondary disturbance is shown over England.

The wind over the United Kingdom varies locally, but it is mainly between S. and S.E. and

light in force. On the coast of Shetland however, it still blows a gale in squalls. Over Scandinavia and Central Europe the direction is mainly from the E.<sup>th</sup> Temperature has risen in the southeast of England and in some Continental regions, fallen generally elsewhere. Over the United Kingdom it ranges from 43° at Scilly & Dingees to 25° at Te. Shields. Frost prevails over Central and Northern Europe. Rain is falling at Donaghadee and snow at Nottingham and the weather condition over these islands varies considerably, the sky being clear or nearly so in some places and overcast in others, while fog prevails at the mouth of the Tyne. Rain is reported at Rochefort and snow at Karlsbad.



## DAILY WEATHER REPORT.

Tuesday, 14th January, 1913

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
13th, 6 p.m.	51	12	<i>Mauretania</i>	O	29.62	+0.03	NNW	1-3	c.										
" 7 a.m.	48	22	<i>Menominee</i>	H	29.90	+0.01	N	4-5	b.										
" "	49	20	<i>Abesaba</i>	O	29.63	0.00	NW	6-7	b.										

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.		STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		
			Max.	Min.	Forenoon.	Afternoon.						Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	0.01	44	33	c	bc	3.1		Margate	0.11	41	29	b.	hgy		
	St. Andrews								Ramsgate		43	29	x	ogph		
	Carnoustie	0.72	36	32	sp	sp	0.2		Deal	0.01	40	29	bxm.b	ogph		
									Folkestone		45	33	b.	bc.o		
England, N.E.	Harrogate		32	24	b	b	3.8		Littlestone				b.oh	oh		
	Scarborough								Hastings	0.18	41	32	b.oh	oh		
	Blackpool	0.38	35	23	sh.c	c	0.0		Bexhill-on-Sea	0.14	42	32	bm.	r		
	Southport	0.17	34	28	g.be.b.	e.bz.	2.5		Eastbourne	0.04	43	30	bc.oh	ogp		
England, N.W.	Buxton	0.09	23	19	m.s.b.	m.b.	0.0		Seaford	0.23	42	28	b.r.o.	o.r.		
	Matlock								Brighton	0.27	42	29	cm.oh	op.o.c		
	Douglas								Worthing	0.06	42	26	x.ch.	c.u		
									Littlehampton							
Wales.	Rhyl		37	28	b	b	5.1		Bognor							
	Colwyn Bay		41	29	bc.b.	bc.	5.0		Southsea	0.03	44	29	b.b.	cr.o.		
	Llandudno		36	31	b	b	4.3		Bournemouth	0.10	44	28	c.ot	r.r		
	Bettws-y-Coed			26	b	b	2.5		Weymouth	0.11	43	29	ohp	c.dp		
England, E.	Aberystwyth	0.05	40	31	c.b.	c.b.o.	3.7		Teignmouth	0.44	45	28	c	c.oh		
	Lowestoft		37	29	b	b	3.6		Torquay	0.12	44	31	dp	c		
	Felixstowe	0.03	41	28	bf	bcf.ot	5.0		Paignton	0.14	43	22	f.c	r.o		
	Walton-on-Naze	0.04	42	37	b	b.p	5.4		Ilfracombe	0.21	41	35	bc.b.	b.b.c		
	Southend-on-Sea		42	30	bc.b.	bc.	2.5		Weston-super-Mare		43	30	bc.	bc		

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.				
	3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.			
			Max.	Min.														Max.	Min.	
24 HOURS ENDED 9 A.M. TO-DAY.																				
Greenwich (Royal Obs.) ...	%	%				In.				Hr.	Dublin to 4 p.m.	In.								
City (Banhill Row) ...	87	96	38	29	23	0.06	fox	fc.c	c.b.ort	0.8	Plymouth to 9 p.m.	-	40	28	25	bxy	bxy.c	c.o.		
Westminster (St. James's Pk.)	*	*	*	*	*	*	*	*	*	0.0	Darwen	0.04	33	27	27	os.m	bc	bc		
Camden Sq. (Brit. Rainfall)	84	88	40	28	27	0.05	f	f	fr.be.	0.0	Manchester	0.06	36	30	*	os	c	b		
Hampstead (Reservoir) ...	97	96	38	30	27	0.07	f	fgm	bc.bcm	0.0	Birmingham	*	36	28	13	c	b	b		
Kew, (See front page.)	*	93	36	28	24	0.07	bf	bf	f.ot.c	0.0	Oxford to 8 p.m.	*	35	29	24	bfx	fx.cf	ef.bm		
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																				
Total.			Average Rate.			Max. Rate.														
S. Kensington (Roof of M.O.)	84	94	53.8 joules.			1.8 Milliwatts.			5 Milliwatts.			0.0	S. Kensington (Museum Grounds to 6 p.m.)	Trace	39	30	21	b.fx	fx.e	f.omw

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

14th & 15th Jan., 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	8.0 7.59	12.2 12.2	4.4 4.5
Greenwich	8.2 8.1	12.9 12.9	4.16 4.17
Wick	8.54 8.53	12.21 12.21	3.48 3.50
Valencia	8.45 8.44	12.50 12.50	4.55 4.56

During yesterday temperature remained below 32° in some parts of central and northern England, only touching 23° at Buxton, and over the greater part of the Kingdom the maxima were below 40°. Snow showers were experienced at our more northern stations, and rain & sleet in the south and west. At many places in the west, south-west and east of the Islands, as well as at Oban, a considerable amount of bright sunshine was recorded—5 1/2 hours at Walton-on-the-Naze. Thick fog prevailed in London, at some places on the north-east coast of England, and at Nottingham throughout the day.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrapping.



## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Wednesday,  
15th January 1913.

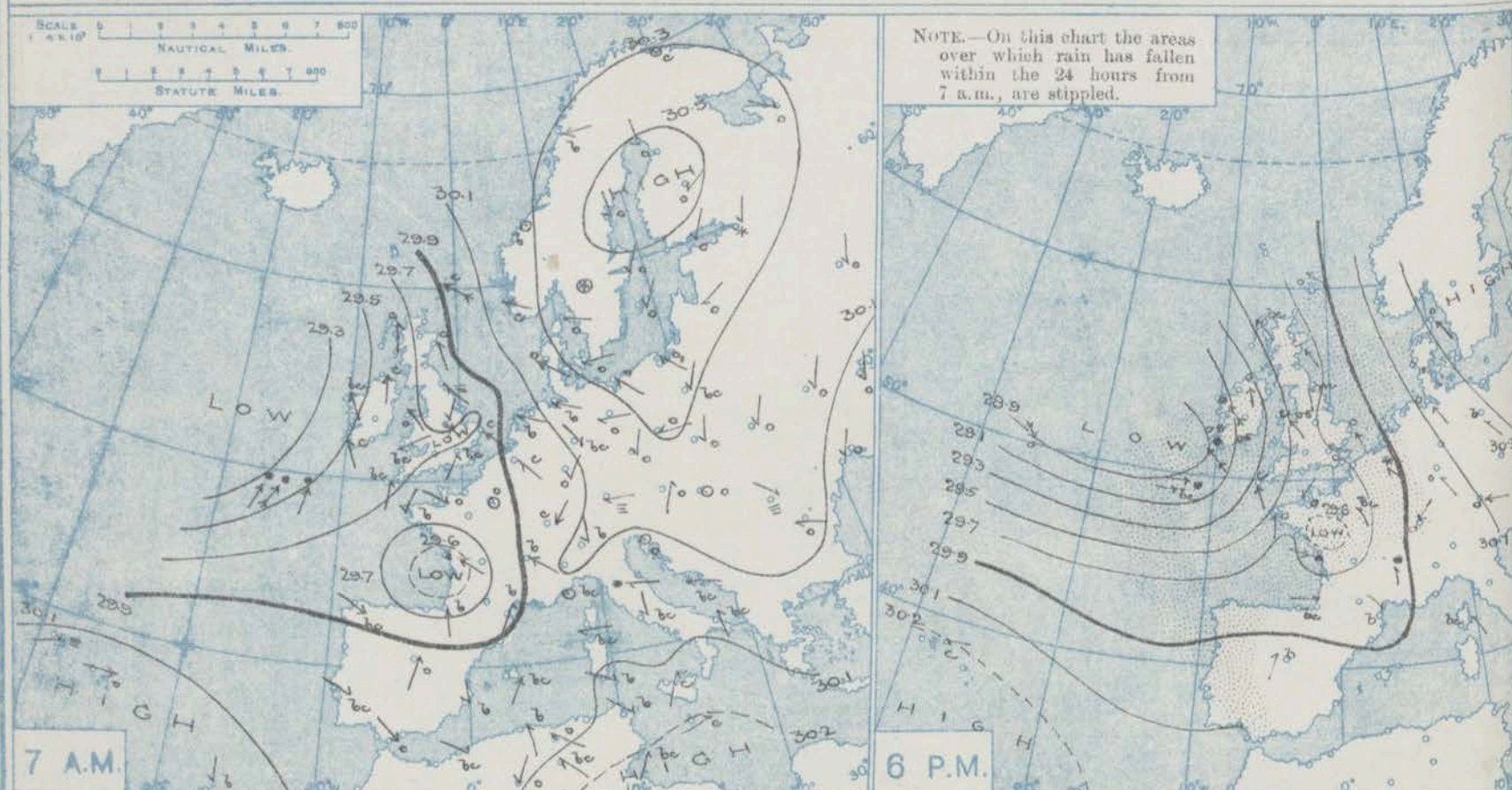
JANUARY 1913.																									
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.			
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.							
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Force (0 to 12).	Weather.		At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dirac.	Force (0 to 12).	Weather.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.		Aftern'n. 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.	
Hours																									
BRITISH ISLANDS.		Lerwick ... ..	In.	29.85	39	ESE	10	o	In.	29.75	-0.2	38	-1	ESE	8	oq	8	0.06	39	37	cq	ow	opsq	*	
		Stornoway ... ..		29.52	40	SE	7	bq		29.34	-0.3	41	+6	SE	7	c	6	-	41	34	b	bq	bcq	2.8	
		Castlebay (Barra Isd.)																							
		Malin Head... ..		29.25	36	SSE	6	cq		29.47	-0.4	37	+4	S	6	oq	6	0.03	39	31	bc	cq	opsq	*	
SCANDINAVIA.		Blacksod Point ...		29.03	40	SE	8	r		28.94	+0.1	41	+6	SSE	3	o	3	0.44	42	35	omq	omq	omq	*	
		Valencia ... ..		28.94	44	SE	3	r		29.01	+0.2	39	+5	SW	4	r	5	0.86	46	34	chu	mtg	omf	0.0	
		Roche's Point ...		29.16	44	S	9	r		29.07	-	39	+7	WSW	2	c	5	0.54	47	31	cp.o.	ot.	r.o.c.	*	
		Birr Castle ... ..		29.19	41	SE	5	o		29.00	-	38	+9	SE	2	o		0.23	41	28	bc.	bc.p.	ot.o.	4.3	
		Donaghadee ... ..		29.45	41	SE	4	chpq		29.13	-1.0	40	+4	SE	8	rq	7	0.52	41	34	ogphz	uph	o.mtg	*	
		Liverpool Obsy. ...		29.61	31	SE	3	o		29.20	-0.7	36	+8	ESE	4	r	4	0.07	37	28	cm	cm	ot	3.0	
		Holyhead ... ..		29.50	38	SE	5	c		29.07	-0.5	42	+5	SSE	6	o	5	trace	42	35	bc	c	om	*	
		Pembroke (St. Ann's Hd.)		29.40	44	SE	7	c		29.12	+0.2	44	+8	SW	6	cq	7	0.40	46	35	bc	bcq	cq	1.7	
		Newquay ... ..		29.45	41	SE	3	c		29.23	+0.8	43	+10	W	6	cp	4	0.32	45	32	bu	bu.ep	etotg	4.4	
		Scilly (St. Mary's)		29.37	46	SSE	6	c		29.21	+0.3	45	+2	W	6	cq	7	0.27	49	41	bc	cq	cq	1.5	
		Jersey (St. Aubin)		29.62	42	NE	3	om		29.39	-	47	+9	WSW	5	bc	4	0.18	47	37	omeom	om	cpqbc	0.1	
		Portland Bill ... ..		29.61	45	SE	4	c		29.25	-0.2	48	+9	WSW	6	cq	5	0.16	49	37	bc	bc	cpq	*	
GERMANY, &c.		Dungeness ... ..		29.65	42	SSE	5	o		29.40	-0.3	43	0	S	7	r	6	trace	45	41	c	cp.o.	cpq	*	
		Dover ... ..		29.72	40	SE	4	c		29.46	-	43	+1	S	6	r	6	0.02	44	38	bc	o.c.	cpq	0.0	
		Wick ... ..		29.64	41	SSE	6	c		29.50	-0.3	40	+4	SE	7	opq	6	0.10	42	35	cqbc.	bcq	cpq	*	
		Nairn ... ..		29.57	36	ESE	1	bc		29.42	-	38	+11	SSE	4	o	3	0.01	38	24	z.bc.	bc	q	3.7	
		Aberdeen ... ..		29.67	39	SE	6	c		29.50	-0.6	38	+1	SE	7	o	6	0.15	40	36	c.bc.	chpq	cpq	0.2	
		Leith ... ..		29.59	34	SE	1	m		29.36	-0.9	38	+12	SE	4	opq		trace	39	25	bc.o.	ogq	o.		
		North Shields ...		29.68	34	SSE	3	m		29.38	-0.6	40	+15	S	6	o	4	0.17	40	25	f	f.o.	o.ot.	0.1	
		Spurn Head ... ..		29.72	40	SE	6	c		29.35	-0.3	40	0	SSE	7	ogu	6	0.07	41	29	cq	cq	cpq	*	
		Yarmouth ... ..		29.78	40	SE	4	o		29.45	-0.8	42	+2	SSE	4	r	5	0.10	42	38	cp.o.	o	om	0.0	
		Clacton-on-Sea ...		29.73	42	SE	5	o		29.43	-0.2	43	+3	SSE	4	o	4	0.04	43	39	bcq	ag	ag	0.0	
		Nottingham... ..		29.71	32	E	2	o		29.34	-	36	+6	ESE	4	r		0.04	36	28	om	o.c.m.	o.c.b.	0.0	
		Bath ... ..		29.63	34	SE	1	o		29.25	-	42	+8	S	4	o		0.10	43	32	-	-	-	1.2	
FRANCE.		London (Kew Obsy.)...		29.69	39	ESE	4	c		29.35	-0.4	42	+7	SSE	5	ot		0.02	42	33	combc	obcm	comf	0.9	
		Isafjord... ..																							
		Reykjavik ... ..																							
		Vestmanna ... ..																							
		Seydisfjord ... ..																							
		Thorshavn ... ..																							
		Haparanda ... ..																							
		Hernösand ... ..																							
		Stockholm ... ..																							
		Wisby ... ..																							
		Karlstad ... ..																							
		Färder (X'ania Fjord)																							
SPAIN, PORTUGAL, &c.		Bodö ... ..																							
		Christiansund ... ..																							
		Skudesnaes ... ..																							
		The Scaw (Skagen)...		30.32	34	SE	4	o		30.28	-0.2	32	-1	SE	6	s	2	trace	34	32					
		Blaavands Huk ...		30.19	26	SE	6	o		30.00	-0.8	24	-3	SE	7	bc	5	-	27	21					
		Cuxhaven ... ..		30.14	23	SE	6	b		29.97	-0.6	20	-3	ESE	7	b		-	27	19					
		The Helder ... ..		29.91	29	E	4	bc		29.67	-0.3	29	-2	ESE	5	o	2	-	32	28					
		Brussels ... ..		29.77	34	SSE	2	s		29.61	-0.3	38	+5	SSE	3	o		0.04	38	33					
		Berlin ... ..		30.29	20	SE	3	b		30.21	-0.2	16	-10	E	4	b		-	27	16					
		Frankfurt ... ..		30.03	29	SE	3	o		29.94	-0.1	23	-8	SE	3	o		-	34	23					
		Munich ... ..		30.10	19	E	5	o		30.06	-0.1	8	-20	E	4	bc		-	28	8					
		C. Grs Nez... ..		29.70	37	E	4	r		29.47	-0.2	42	+5	S	5	r	3	trace	42	34					
La Hève ... ..		?	37	E	4	m		29.47	-	40	+4	SSW	6	o	6	0.16	41	36							
Brest (St. Mathieu) ...		29.60	43	S	3	o		29.42	+0.4	46	+5	WSW	5	bc	5	0.20	46	41							
Lorient (Bec Melen)...		29.62	41	NE	2	b		29.47	-	48	+7	WSW	6	b	5	0.32	46	37							
Rocheport (Ile d'Als)		29.64	46	WNW	6	r		29.61	-	50	+7	WSW	4	r		0.12	50	43							
Biarritz ... ..																									
Paris ... ..		29.66	40	SSE	3	o		29.63	+0.4	41	+5	SSW	4	r		0.04	42	35							
Belfort ... ..		29.93	32	ESE	4	o		29.86	-	32	+2	-	0	o		-	35	30							
Lyons ... ..		29.82	43	SSE	3	r		29.84	-	40	+5	WSW	1	o		0.28	48	35							
Nice ... ..		29.99	41	-	0	c		29.93	-	40	0	-	0	o	3	0.43	52	39							
Perpignan ... ..		29.80	49	NW	1	b		29.86	+0.1	38	-6	NW	1	o		-	59	34							
Sanguinaire ... ..		30.04	50	SE	5	bc		29.99	-	50	0	E	3	c	3	-	55	43							
Corunna (S.a.m.) ...		29.85	53	SSW	3	o		29.77	-0.6	48	-2	SSW	3	o	6	0.28	54	41							
Lisbon (S.a.m.) ...		30.00	55	SW	4	o		30.03	+0.5	54	+4	W	4	o	6	0.04	55	50							
Gibraltar ... ..		30.20	49	NW	2	bc		30.12	-	54	-1	W	3	r	2	0.15	57	40							
Azores (P. Delgada)																									
Azores (Horta) ...		30.22	55	E	1	c		30.18	-0.2	54	-5	W	2	o	2	-	63	54							
Madeira (Funchal) ...		30.20	59	NW	3	b		30.23	+0.4	57	+1	NW	3	b	3	-	66	48							

\* Information for these columns not usually received.

† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 14<sup>TH</sup> JANUARY.



## GENERAL INFERENCE

The centre of the depression is likely to remain on the Atlantic for the present, but

## WEATHER PROSPECTS.

the system will expand somewhat further over the United Kingdom.

## FORECASTS FOR THE 24 HOURS NOON Wednesday TO NOON Thursday.

0 {  
a  
b

1 {

2 {  
a  
b

3 {

4 {  
a  
b

5 {

Wind mainly S.E., strong to a gale; squally, rainy, sleet at times locally; temperature not far from normal.

Wind between S and S.E., fresh or strong at times; rainy, some sleet locally, improving somewhat later; moderate temperature.

### FORECAST DISTRICTS.



### STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

Signals hoisted at 2.10 pm in Districts 0, 1, 6 to 10, and at 7.8 pm to remainder of coasts.

6 {  
a  
b

7 {  
a  
b

8 {  
a  
b

9 {  
a  
b

10 {  
a  
b

11

Same as Nos. 0 to 3.

Wind mainly S.E., fresh or strong; rain at times, sleet locally; moderately low temperature.

Wind mainly S.W., fresh or strong; rain at times, squally, some fair intervals; moderate temperature.

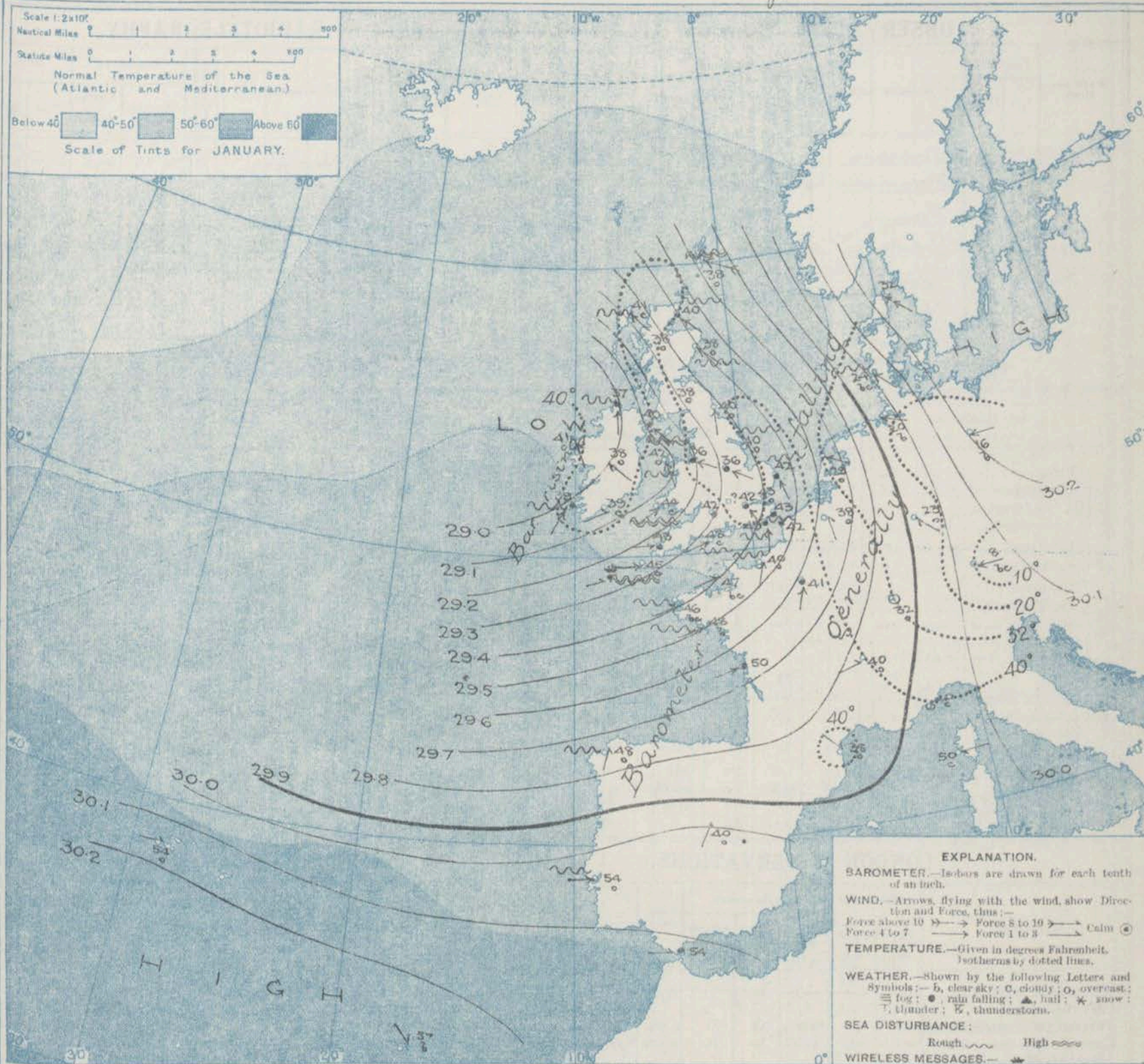
Wind from some S.E. point, varying in force; much cloud, rain at times; moderate temperature.

WESTERN CHANNEL AND BAY. S.W. winds, fresh or strong; sea rough, some rain; squally, fair intervals.

## THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. *Wednesday, 15<sup>th</sup>* JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

The barometer is above 30.3 in. over Scandinavia and the Baltic, but decreases to 29 in. in a depression having its minimum on the Atlantic to the westward of Ireland.

Strong winds or gales from the South-Eastward prevail over the North Sea and on the North Channel, while over the English and Bristol Channels strong winds from the South-Westward and Southward are reported. Temperature has risen over the United Kingdom, and now

ranges from 48° at Portland Bill to 38° at Birr Castle and over a large portion of Scotland and to 36° at Nottingham and Liverpool. Over Germany the thermometer has fallen very quickly, and now stands at 16° at Berlin and 8° at Munich. Rain is falling in various localities in these Islands and the sky is very generally overcast. Rain is also reported at Rochefort, Paris & Cape Gris Nez, and snow is falling in the north of Denmark.



## DAILY WEATHER REPORT.

Wednesday, 15th January, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
14th, 6 p.m.	50	26	Mauretania	O	28.91	+0.8	NW	8-9	0	15th, 7 a.m.	49	7	Menominee	H	29.25	+0.5	WSW	4-5	1.
" "	49	11	Menominee	H	29.04	+0.3	W	4-5	bc	14th, 7 a.m.	49	13	Vaderland	O	29.50	-0.20	SSW	6-7	0
" "	49	10	Oceanic	H	28.99	+0.5	W	4-5	1	" "	54	11	Scilian	H	?	-0.6	SSW	4-5	c
" 1 p.m.	49	15	Vaderland	O	28.93	-0.25	W	6-7	1	" "	50	21	Mauretania	O	28.77	-0.62	NW	8-9	6
" 7 a.m.	49	16	Oceanic	H	29.27	-0.14	SW	6-7	1										
" "	49	15	Menominee	H	29.35	-0.21	SW	8-9	1										

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	In.					Hr.	England, S.E.	Margate	In.					Hr.
	Stonehaven								Ramsgate						
	St. Andrews								Deal						
	Carnoustie								Folkestone						
England, N.E.	Harrogate	0.07	31	13	ops. 0	0	0.0	England, S.W.	Littlestone						
	Scarborough	"							Hastings	0.70	44	37	thr. 0	0	0.0
	Blackpool		33	23	c	0	0.0		Bexhill-on-Sea	0.47	43	37	g	g	0.0
	Southport		34	23	bc. 0	abc. b.	1.5		Eastbourne	0.73	44	38	abc	c.	0.3
England, N.W.	Buxton		30	16	m. s. z.	mac.	0.0	England, S.W.	Seaford	0.22	45	37	r. 0	0	0.0
	Matlock								Brighton	0.49	44	30	omf. 0	0. c. 0.	0.0
	Douglas								Worthing	0.24	44	33	c	c	0.0
									Littlehampton						0.7
Wales.	Rhyl		38	28	b	b	4.9	England, S.W.	Bognor						
	Colwyn Bay		41	29	m. bc	bc.	5.5		Southsea	0.15	42	32	gc. b.	c. bot. 0.	1.8
	Llandudno		35	30	bc	b	4.6		Bournemouth	0.06	41	29	b. bc	c. 0.	2.2
	Bettws-y-Coed								Weymouth	0.04	44	30	g. b.	bep	4.1
England, E.	Aberystwyth	0.12	39	32	sc. b.	bc. 0	5.8	England, S.W.	Teignmouth	0.04	46	29	b	bep. bc.	4.4
	Lowestoft	0.09	41	36	op	0	0.0		Torquay	0.01	46	31	b	bc. c.	5.0
	Felixstowe	0.18	42	30	m. op	g. 0.	0.0		Paignton	0.08	46	27	f. b.	bc. r	4.1
	Walton-on-Naze	0.15	41	39	ot. q.	q.	0.0		Ilfracombe	0.04	42	35	b	b. bc.	6.0
England, E.	Southend-on-Sea	0.17	41	32	0	0	0.0	England, S.W.	Weston-super-Mare		41	30	f. b.	b.	4.5

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.		WEATHER.			Sun-shine for Yesterday.	
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In Screen.		Night Min. on Grass.	Night.	Fore-noon.		After-noon.
			Max.	Min.									Max.	Min.					
24 HOURS ENDED 9 A.M. TO-DAY.																			
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																			
Total.																			
Average Rate.																			
Max. Rate.																			
Greenwich (Royal Obs.) ...	%	%	42	32	31	0.04	b.c.b.	b.o	o.o.	0.9	Dublin to 4 p.m.	In.	39	29	25	b.s.b.f.c.	b.z.c.	p.h.s.	3.5
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	"	0.0	Plymouth to 9 p.m.	0.04	45	29	22	b.z.g	chp.	b.c.g	0.0
Westminster (St. James's Pk.)	88	93	44	36	31	0.06	b.c	b.c	b.c.r.	0.3	Darwen	0.01	32	26	24	b.c.f	gh.s.	o.a.b	0.0
Camden Sq. (Brit. Rainfall)	91	96	42	34	34	0.04	b.c.m.	o	o.o.	0.1	Manchester	0.07	35	27	"	c	os	b.c.o	0.0
Hampstead (Reservoir) ...	"	"	"	"	"	"	"	"	"	"	Birmingham	0.04	34	26	20	s	o	o	0.0
Kew. (See front page.)	"	"	"	"	"	"	"	"	"	"	Oxford to 8 p.m.	"	40	31	25	b.c.m.s	og.m	b.c.m.	"
S. Kensington (Roof of M.O.)																			
174 Jones.																			
5.9 Milliwatts.																			
17.5 Milliwatts.																			
0.1																			
S. Kensington (Museum Grounds to 6 p.m.)																			
0.04 43 35 27 o.w.o. o.c. c.o.																			

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

15th to 16th Jan., 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	7.59	12.2	4.5
	7.58	12.3	4.7
Greenwich	8.1	12.9	4.17
	8.1	12.10	4.19
Wick	8.53	12.21	3.50
	8.52	12.22	3.52
Valencia	8.44	12.50	4.56
	8.43	12.51	4.58

During yesterday the thermometer remained below 32° at some places in the north of England, but at night the temperature rose several degrees. Precipitation has been general, taking the form of rain over the greater part of the Kingdom. During the evening or night a fresh to whole gale from between South and South-East was experienced on many parts of our western coasts, and since yesterday morning strong winds or gales from between North-West and South-West were felt on the Atlantic as far west as the 26th meridian.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; a. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.



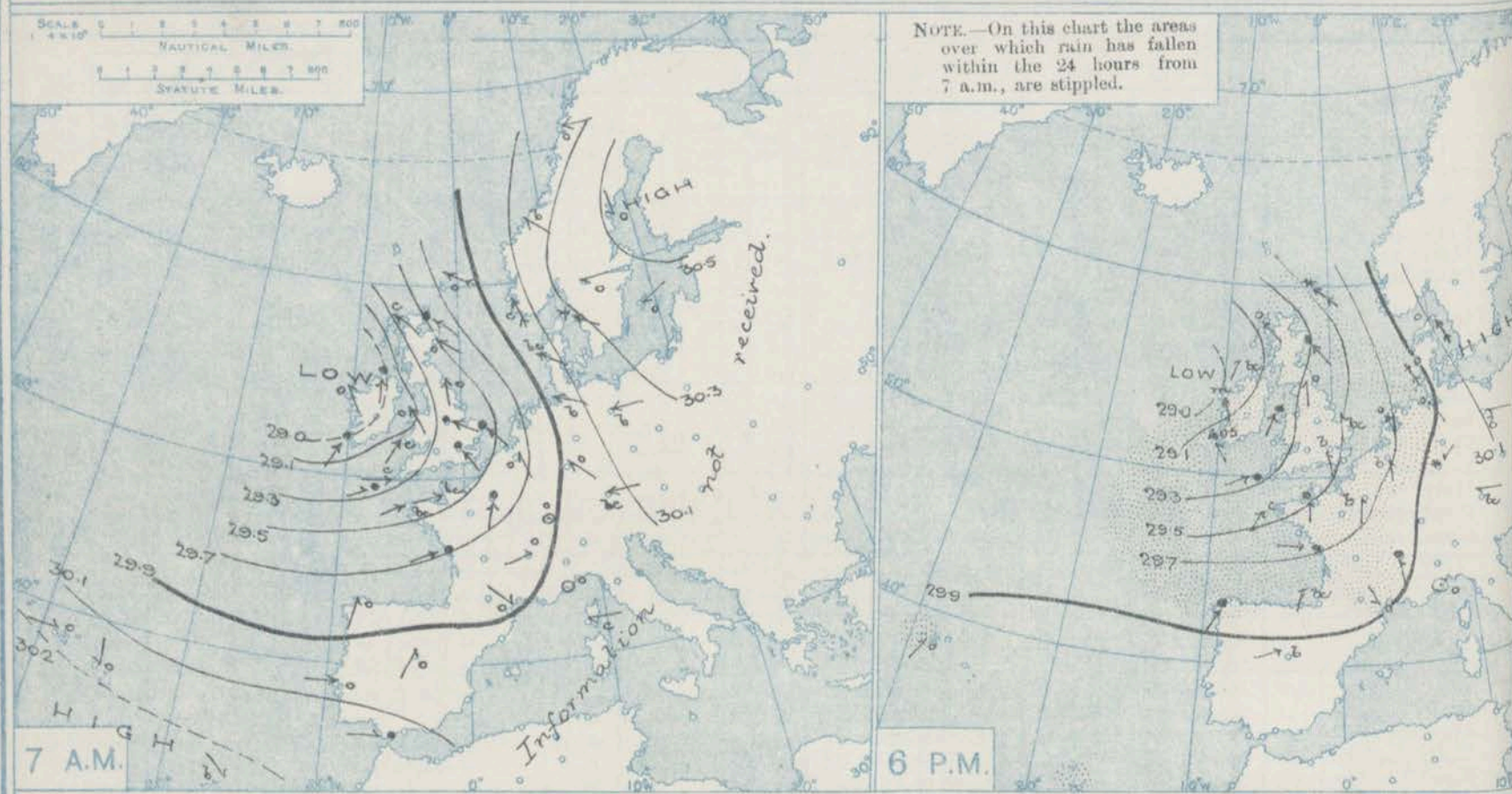
s in the  
rappers.

Thursday,  
16th January 1913.

† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 15<sup>TH</sup> JANUARY.



## GENERAL INFERENCE

The indications of the barometer along our western and south-western seaboard are slight

## WEATHER PROSPECTS.

and indefinite, but they appear to show that further cyclonic disturbances will approach these Islands shortly.

## FORECASTS FOR THE 24 HOURS NOON Thursday TO NOON Friday.

- 0 { a) S<sup>W</sup> winds, fresh or strong, a gale locally in Shetland; much cloud, some rain; moderate temperature.  
b) some rain; moderate temperature.

- 1 {  
2 { a)  
b)  
3 { Wind mainly S<sup>W</sup>, light or moderate, then freshening; fair or bright, then overcast, with some rain; moderate temperature.

- 4 { a)  
b)  
5 {

### FORECAST DISTRICTS.



### STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Coast.	South Coast.
North Coast.	North Coast.

Signals re-hoisted in District 0 at 7.17 p.m.

- 6 { a) S<sup>W</sup> and S<sup>E</sup> winds, light to strong; changeable, some rain; moderate temperature.  
b) temperature.

- 7 { a)  
b)  
8 { Wind mainly S<sup>W</sup>, moderate to strong or high; changeable, rain at times; moderate to rather mild temperature.  
9 { a)  
b)

- 10 { a)  
b)

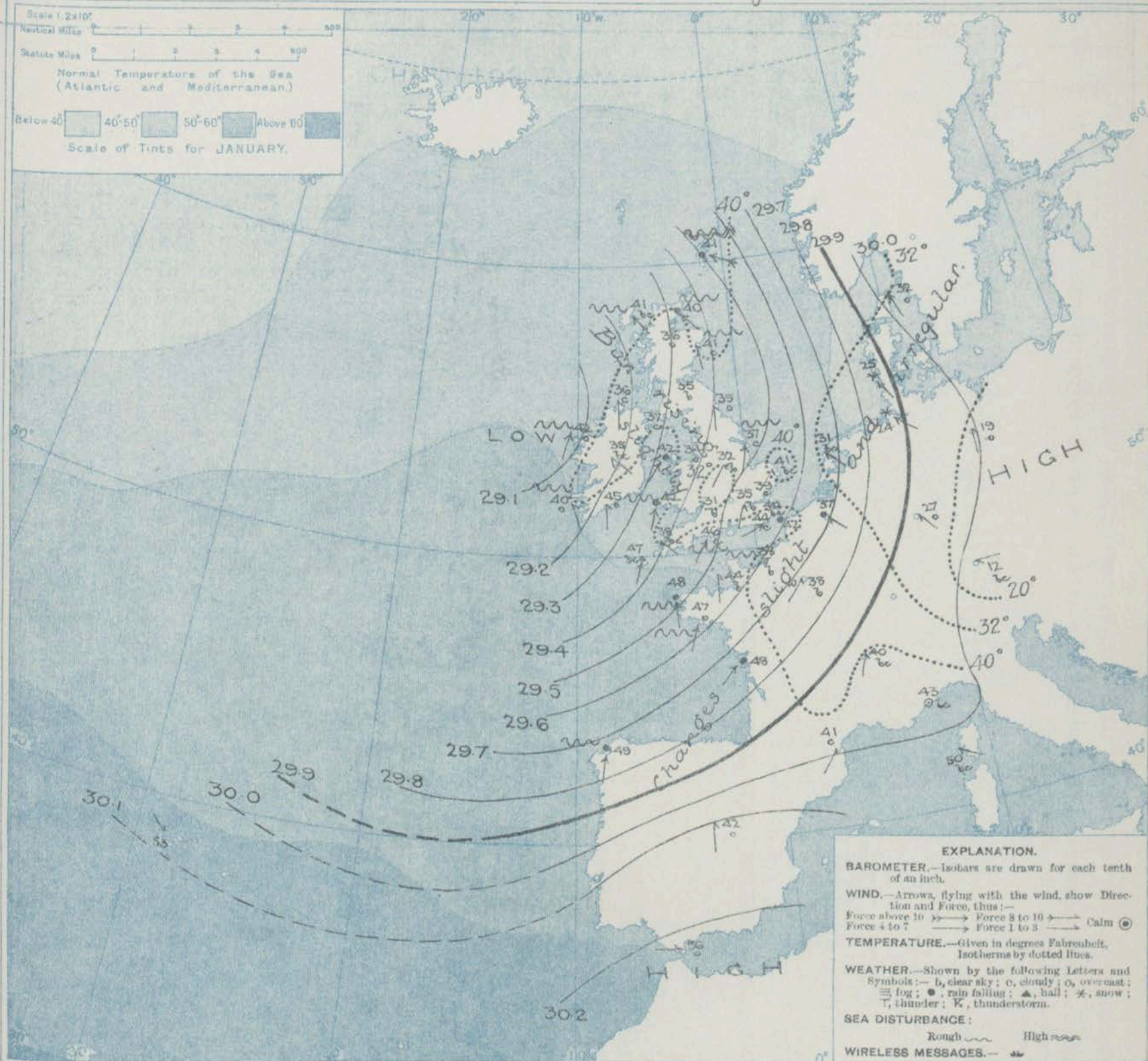
### 11 WESTERN CHANNEL AND BAY.

Wind mainly S<sup>W</sup>, moderate to strong; sea rather rough; changeable, some rain and mist.

## THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. Thursday, 16<sup>th</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is below 29.1 at Blacksod Point and still lower farther to the westward, while over Scandinavia it is above 30.0 in. The changes in progress are very slight.

A high wind from the Southward prevails at Blacksod Point, and strong winds or gales from the South-Eastward are reported in the extreme north of these Islands, but over the United Kingdom generally there is a light to moderate breeze, mainly from the Southward. Beyond

the North Sea fresh to strong winds from the South-Eastward are general. Temperature has changed irregularly. Over these Islands it ranges from 46° at Portland Bill to 32° at Nottingham and to 31° at Bath; on the continent from 56° at Gibraltar and 48° on the west coast of France to 19° at Berlin and to 12° at Munich. Rain is falling in some parts of Wales and at a few places in the extreme north of the United Kingdom, & the sky is overcast in many other localities. In several parts of this country, however, there is little cloud. Rain is falling at Brussels & in some parts of France, and snow showers are reported in Denmark & at the mouth of the Elbe.



DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.	
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dirac.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dirac.	Force.
	*	*			In.	In.		(0-12).			*	*			In.	In.		(0-12).

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.	
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.
	In.	"	"			Hr.		In.	"	"		
Scotland.												
{ Oban ... ..	...	...	...	...	...	...	{ Margate ... ..	0.10	48	38	op. bc	b.
{ Stonehaven ... ..	...	...	...	...	...	...	{ Ramsgate ... ..	0.11	48	37	"	"
{ St. Andrews ... ..	...	...	...	...	...	...	{ Deal ... ..	0.20	47	38	ot. c.	bc. b.
{ Carnoustie ... ..	...	...	...	...	...	...	{ Folkestone ... ..	0.17	48	38	ro. bc. b.	c. o.
Eng. N.E.							{ Littlestone ... ..	"	"	"	"	"
{ Harrogate ... ..	...	...	...	...	...	...	{ Hastings ... ..	0.23	48	40	ot. bc.	b. bc.
{ Scarborough ... ..	...	...	...	...	...	...	{ Bexhill-on-Sea ... ..	0.29	48	41	ep. bc.	bc.
							{ Eastbourne ... ..	0.08	44	38	oh. bc.	b. bc. o.
England, N.W.							{ Seaford ... ..	0.21	48	40	r. bc.	b. c.
{ Blackpool ... ..	...	...	...	...	...	...	{ Brighton ... ..	0.20	48	39	ot. o. c. b.	bc. c. o. c.
{ Southport ... ..	...	...	...	...	...	...	{ Worthing ... ..	0.24	49	33	c. b.	c.
{ Buxton ... ..	...	...	...	...	...	...	{ Littlehampton ... ..	"	"	"	"	"
{ Matlock ... ..	...	...	...	...	...	...	{ Bognor ... ..	"	"	"	"	"
{ Douglas ... ..	...	...	...	...	...	...	{ Southsea ... ..	0.06	49	34	c. o. c. b.	r. ot. b.
							{ Bournemouth ... ..	0.25	49	30	ot. c.	bc. b.
Wales.							{ Weymouth ... ..	0.26	48	39	h. ep	b. ep. c.
{ Rhyl ... ..	...	...	...	...	...	...	{ Teignmouth ... ..	0.42	46	40	cp	at. b.
{ Colwyn Bay ... ..	...	...	...	...	...	...	{ Torquay ... ..	0.32	48	41	b. bc.	c. op
{ Llandudno ... ..	...	...	...	...	...	...	{ Paignton ... ..	0.54	47	"	r. bc. r	ot.
{ Bettws-y-Coed ... ..	...	...	...	...	...	...	{ Ilfracombe ... ..	0.12	47	39	b. cp. h.	bc. c. o.
{ Aberystwyth ... ..	...	...	...	...	...	...	{ Weston-super-Mare ... ..	0.15	47	32	b. bc. b.	b. bc. r
England, E.												
{ Lowestoft ... ..	...	...	...	...	...	...						
{ Felixstowe ... ..	...	...	...	...	...	...						
{ Walton-on-Naze ... ..	...	...	...	...	...	...						
{ Southend-on-Sea ... ..	...	...	...	...	...	...						

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.		
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.	
			Max.	Min.														Max.
			24 HOURS ENDED 9 A.M. TO-DAY.															
Greenwich (Royal Obs.) ...	%	%			In.				Hr.		In.							
City (Bunhill Row) ...	74	89	34	28	0.33	a. bc.	bc.	or. abx	3.2	Dublin to 4 p.m.	0.61	43	38	35	qts	c	6.	
Westminster (St. James's Pk.)	*	*	*	*	*	*	*	*	2.3	Plymouth to 9 p.m.	0.41	48	37	30	oz	c. b. q.	bc	
Camden Sq. (Brit. Rainfall)	73	84	49	36	31	0.19	bc	bc	bc. 1. bc	3.0	Darwen "	0.21	37	28	26	bc. o.	ots	7. q.
Hampstead (Reservoir) ...	76	90	48	34	26	0.19	or. o.	bc. b.	3.2	Manchester "	0.03	44	35	32	o. sp.	sp. bc.	bc.	
Kew. (See front page.)	*	88	46	36	29	0.10	bc. f.	bc. or.	3.1	Birmingham "	0.13	42	35	27	f. c. b.	bc. bc.	c. or.	
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										Oxford to 8 p.m.	*	47	37	32	cm. o. g.	og. bc.	bc. or.	
Total.																		
Average Rate.																		
Max. Rate.																		
S. Kensington (Roof of M.O.)	81	92	26.9	Joules.	9.0	Milliwatts.	2.2	Milliwatts.	3.2	S. Kensington (Museum Grounds to 6 p.m.)	0.10	48	39	36	o. or.	or. bc.	bc. or. o.	

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON  
AND SUNSET FOR STATIONS IN THE UNITED KINGDOM  
TO-DAY AND TO-MORROW

1 <sup>st</sup> Feb. to 1 <sup>st</sup> July Jan., 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ... ..	7.58 7.57	12.3 12.3	4.7 4.9
Greenwich ... ..	8.1 8.0	12.10 12.10	4.19 4.21
Wick ... ..	8.52 8.50	12.22 12.22	3.52 3.54
Valencia ... ..	8.43 8.42	12.51 12.51	4.58 5.0

During yesterday temperature rose to above  $45^{\circ}$  in several parts of England, and minima of the night were mostly above  $32^{\circ}$ . Thunderstorms were experienced on 20 parts of our south and south-west coasts, and rain fell very generally. Several parts of England recorded a few hours of bright sunshine, the highest figure being 52 hours at Bath. South-easterly gales blew for a time on some exposed parts of our northern and north-western coasts, and at Liverpool a gale continued throughout.

NOTE.—The information relating to weather is indicated by the following letters—b, blue sky; bc, sky half clouded; c, sky three parts clouded; d, drizzling 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, snow; t, thunder; u, ugly, threatening sky; v, visibility, unusual transparency; w, dew; x, hoar frost; z, dust-haze, or smoke.

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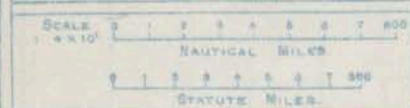


Friday  
17th January 1913.

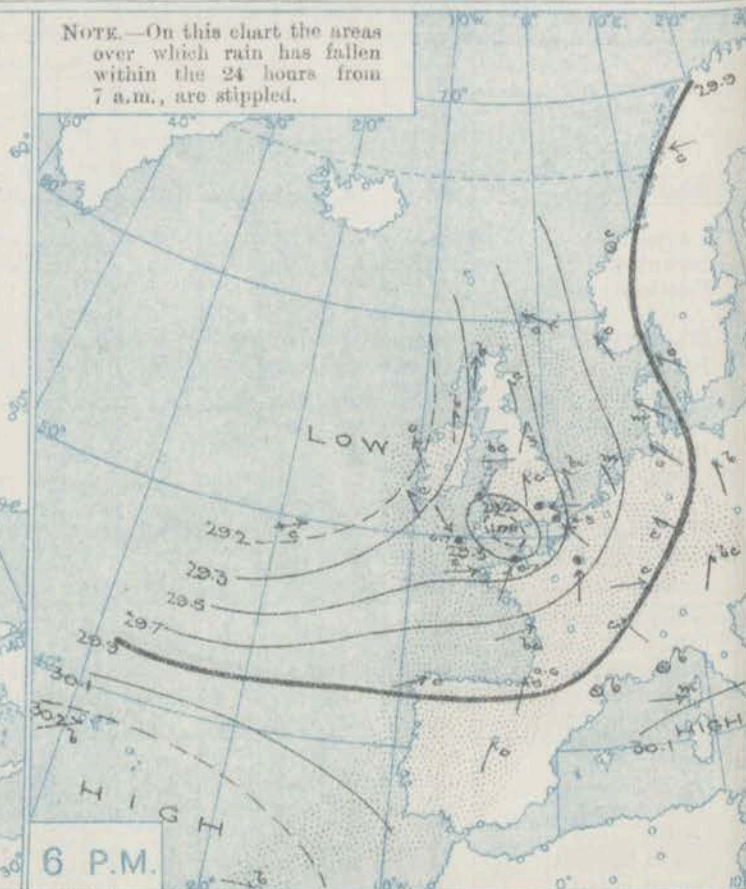
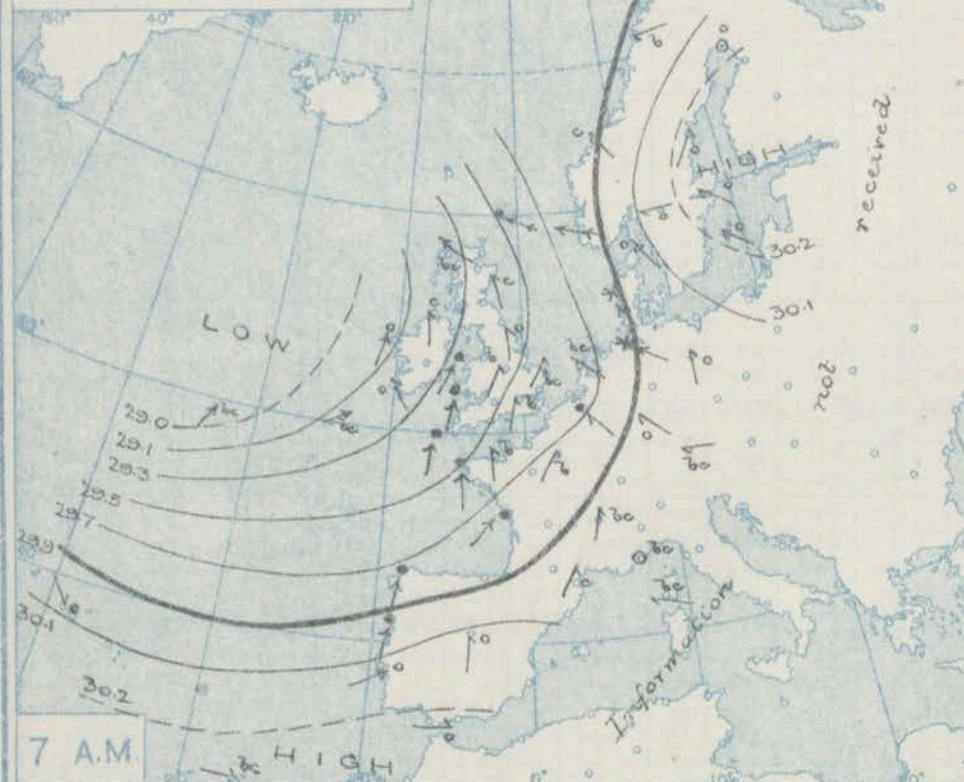
† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 16<sup>TH</sup> JANUARY.



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



## GENERAL INFERENCE

The pressure changes over these Islands and in their immediate neighbourhood do not indicate any modification in the

## WEATHER PROSPECTS.

distribution such as would be favourable for a more settled or wintry type of weather.

## FORECASTS FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.

- 0 {  
a Wind between South and East,  
b light to fresh or strong; much  
cloud generally, some rain or sleet;  
1 moderate temperature.

- 2 {  
a Wind between North-West and  
b North and West or South West,

- 3 varying in force; changeable, some  
rain, fair intervals; moderate

- 4 {  
a temperature.  
b

- 5 {  
a Westerly to Southerly winds, fresh or  
b strong to moderate; changeable, some  
showers; temperature moderately high.

## FORECAST DISTRICTS.



## STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone. ✓	South Cone. ✓
North Cone. ✓	North Cone. ✓

South cone hoisted in Districts 2, 3, 5 and 8 at 2.15 p.m.

- 6 {  
a  
b  
7 {  
a  
b

Same as Nos. 0 and 1.

- 8 {  
a South Westerly or Southerly winds,  
b moderate to fresh or strong; changeable,  
some showers; temperature moderately high.

- 9 {  
a Wind mainly between South  
b and South West, light to fresh or strong;  
10 {  
a much cloud, some rain and mist;  
b temperature about normal.

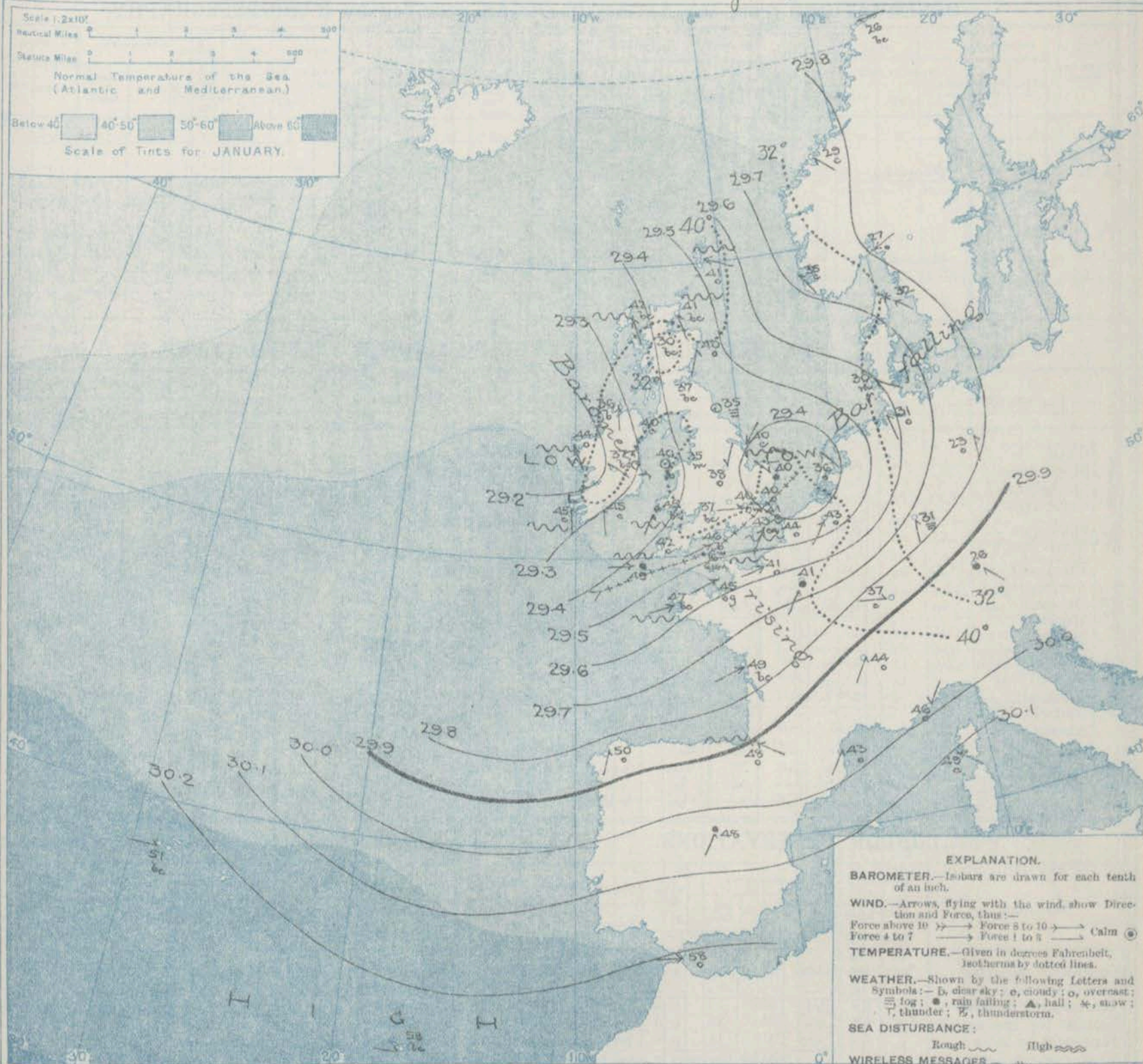
## 11 WESTERN CHANNEL AND BAY.

South Westerly winds,  
moderate to strong; sea rather  
rough; some rain and mist.

## THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. *Friday, 17<sup>th</sup>* JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

Barometric pressure is above 30.2 in. in the Azores and at Gibraltar and relatively high over Scandinavia while it is below 29.3 in. in a depression centred between the Norfolk and Dutch coasts, and below 29.2 in. in the west of Ireland and over the adjacent portion of the Atlantic.

The wind is moderate to strong from the W. on the English Channel, and fresh from the N.E. on the coast of Lincolnshire. In other parts of the United Kingdom it is mainly between S. and S.E., light or

moderate generally, strong at Blackpool and Berwick. Over Holland and Denmark a S.E. breeze prevails, but at Brussels there is a high wind from S.W. Temperature has changed rather irregularly over these islands, and now ranges from 45° or 46° at some of our southern and southwestern stations to 30° at Glair. In some localities the weather is fair to bright, but generally there is much cloud, and rain is falling at Pembroke and Yarmouth, and also in some Continental localities. In the southwest of Ireland lightning is reported.



## DAILY WEATHER REPORT.

Friday, 17th January, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Direc.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Direc.	Force.	
17th, 7 a.m.	50	13	<i>Majestic</i>	O	29.12	00	WSW	6-7	bc										
16th, 6 p.m.	49	18	<i>Kronland.</i>	H	29.13	-02	WSW	8-9	c										
" 7 a.m.	49	22		H	28.95	-22	SW	6-7	bc										

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban ...	In.					Hr.	England, S.E.	Margate ...	In.			bc.p.	bc.p.	Hr.
	Stonehaven ...								Ramsgate ...				"	"	
	St. Andrews ...								Deal ...				st.op	bc.r.	
	Carnoustie ...								Folkestone ...				ro.bc.o.	ro.bc.o.	
England, N.E.	Harrogate ...	0.14	32	28	c.om.	m.	0.0	England, S.W.	Littlestone ...				"	"	
	Scarborough ...	"							Hastings ...				op.bc.	bc.or	
	Blackpool ...		39	33	c	c	3.5		Bexhill-on-Sea ...				ov.bc.b.	b.or	
	Southport ...		40	33	bc.b.	b.bc.	4.0		Eastbourne ...				b.b.	ogr.	
England, N.W.	Buxton ...	0.15	36	31	bc.	bc.o.	2.4	England, S.E.	Seaford ...				c.b.	c.ot.	
	Matlock ...								Brighton ...				c.bc.c.	ot	
	Douglas ...								Worthing ...				c	c.r.	
	Rhyl ...	0.02	43	33	b	b.	3.3		Littlehampton ...				"	"	
Wales.	Colwyn Bay ...		46	36	bc	bc	3.8	England, S.W.	Bognor ...						
	Llandudno ...	0.02	41	35	c.b.	b.	3.2		Southsea ...						
	Bettws-y-Coed ...	"							Bournemouth ...				c.or.	o.	
	Aberystwyth ...	0.10	44	35	te.b.	c.o.	2.0		Weymouth ...				h.bcp	pu.c.o.	
England, S.W.	Lowestoft ...	0.10	45	38	bc.	b.bc.	5.0	England, S.W.	Teignmouth ...				c.op.	ot.	
	Felixstowe ...	0.06	44	37	bc.	b.bc.	5.5		Torquay ...				bc.e.	ot.	
	Walton-on-Naze ...	0.07	44	39	b.	b.bc.	4.8		Paignton ...				bc.o.	r.	
	Southend-on-Sea ...	0.04	48	34	bc.	b.bc.	4.4		Ilfracombe ...				bc.og	ogr	
									Weston-super-Mare ...				b.bc.	ot.	

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
			Max.	Min.		Max.												Min.
			24 HOURS ENDED 9 A.M. TO-DAY.															
Greenwich (Royal Obsy.) ...	% 81	% 94	46	38	32	0.15	b	b.o	o.of.	4.1	Dublin to 4 p.m.	0.15	43	35	31	b.c.e.	bc	ot.
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	1.6	Plymouth to 9 p.m.	0.34	48	37	29	ot.og	og.c.	b.c.b.
Westminster (St. James's Pl.)	80	96	48	40	33	0.08	bc	bc.	r.	2.9	Darwen "	0.03	37	32	31	og.r.	bc.og	og.
Camden Sq. (Brit. Rainfall)	80	95	46	38	35	0.11	bc.b	b.c.	ot.o.	2.0	Manchester "	0.02	43	34	25	c.ot.	bc.	bc.
Hampstead (Reservoir) ...	*	95	44	37	32	0.14	bc.	bc.	ot.otm	1.5	Birmingham "	0.04	41	32	25	r	c	o
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.										Oxford to 8 p.m. 2 44 34 26 ot.bm. bm bmc.o					
			Total.		Average Rate.		Max. Rate.				S. Kensington (Museum Grounds to 6 p.m.) 0.20 46 38 28 bc. bc. bc.og							
S. Kensington (Roof of M.O.)	82	93	2.71 Joules.		9.0 Milliwatts.		18 Milliwatts.		2.5									

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

17th & 18th Jan., 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 7.57 7.55	G.M.T. 12.3 12.3	G.M.T. 4.9 4.11
Greenwich ...	8.0 7.59	12.10 12.10	4.21 4.23
Wick ...	8.50 8.48	12.22 12.22	3.54 3.57
Valencia ...	8.42 8.41	12.51 12.51	5.0 5.2

During yesterday temperature again rose to 45° or above in many parts of England but only to 32° at Harrogate. Rain has fallen over the greater part of the Kingdom, the largest measurement being 0.66 in. at Seilly and Jersey. Much bright sunshine was experienced on the east coast of England, and a considerable amount on the south coast and in Wales. Wireless reports show that as far west as the 18th meridian ships experienced strong winds or gales from the South-Westward.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. low frost; z. dust-haze, or smoke.

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12.26.

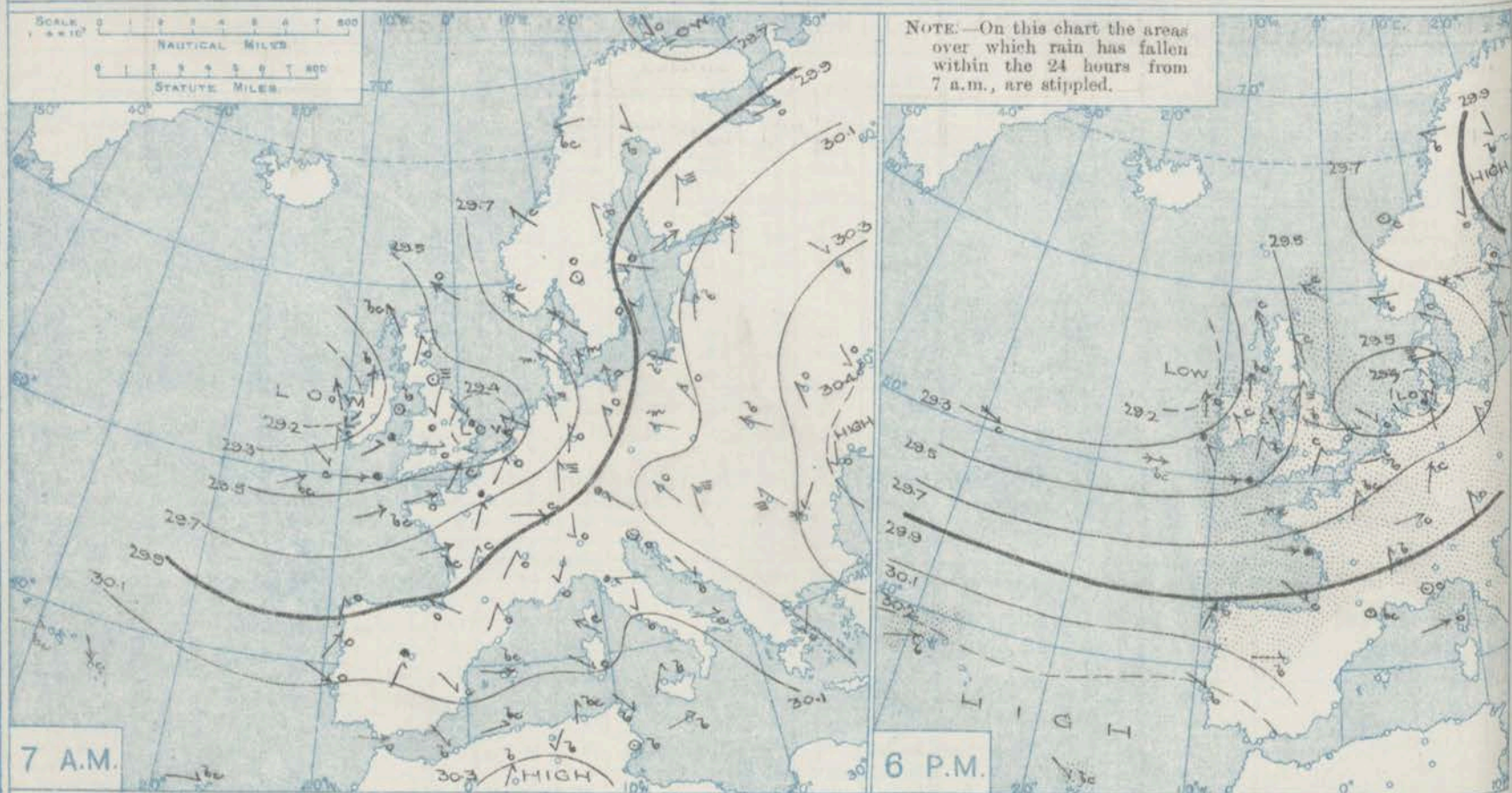
Saturday,  
18th January 1913.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
	BAROM.			TEMP.			WIND.			FORCE			WEATHER.			Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.			
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Direc.	Force (0 to 12).	Weather.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.			Aftern'n. 1 p.m. to 6 p.m.	Night 6 p.m. to 7 a.m.				
Spitzbergen ...	30.27	-20	S	2	b	30.10	-0.14	-14	0	-	0	b	*	-	2.14	-26	*	*	*	*	*	*	
Lerwick ...	29.56	40	SE	5	cq	29.57	0.00	38	-3	SE	3	bc.	2	0.02	41	37	on	cq	bc.	*			
Stornoway ...	29.39	42	SSE	5	cq	29.40	0.00	42	0	SSE	6	c	5	-	44	41	bc	o.c	o.cq	0.0			
Castlebay (Barra Isd.) ...													*										
Malin Head ...	29.28	41	S	4	bcy	29.29	0.00	42	+6	W	5	cp	4	0.04	43	35	bc.	bc	bcp	*			
Blacksod Point ...	29.18	47	S	5	o	29.36	+0.18	46	+2	SW	5	o	3	0.15	50	41	on	om	omq	*			
Valencia ...	29.30	45	SSE	3	c	29.55	+0.25	45	0	WSW	4	cp	5	0.26	49	42	bc	bcp	bcp.	3.3			
Rochester Point ...	29.37	45	SSW	3	bc	29.57	0.00	42	-3	WSW	3	bc	3	0.08	49	41	cp	c bc.	cp bc.	*			
Birr Castle ...	29.29	40	SSE	1	c	29.46	0.00	41	+4	S	1	r	*	0.06	44	37	c	c	c of	0.2			
Donaghadee ...	29.40	44	SSE	2	op	29.41	0.00	41	+1	SSE	1	r	1	0.36	45	39	cp	bcp	ogd.	*			
Liverpool Obsy. ...	29.47	38	SE	3	o	29.51	+0.04	35	0	SE	3	c	2	0.01	39	34	of	bc.	ogd.	1.2			
Holyhead ...	29.39	43	S	4	c	29.44	+0.05	44	+4	SSE	5	b	3	0.10	46	37	bc	c	bcp.	*			
Pembroke (St. Ann's Hd.) ...	29.41	46	SW	2	b	29.54	+0.13	45	0	WSW	4	cp	5	0.18	48	43	bcp	cq	bc.	0.5			
Newquay ...	29.44	40	S	2	b	29.62	+0.18	44	+2	W	7	op	5	0.10	49	38	bcp	bc	cp.cq	3.0			
Scilly (St. Mary's) ...	29.44	46	W	4	cp	29.65	+0.21	46	+1	W	6	cp	6	0.02	49	42	c	cp	c	2.5			
Jersey (St. Aubin) ...	29.58	45	SSW	3	c	29.71	0.00	47	+2	SW	3	cp	3	0.15	50	43	c bc.	bc c.	c c.	4.2			
Portland Bill ...	29.48	46	WSW	4	c	29.59	+0.11	47	+1	W	4	bc	4	0.10	49	43	bc	c	c.	*			
Dungeness ...	29.55	43	W	2	c	29.60	+0.05	41	-2	W	2	cp	3	0.36	47	41	c	cp c.	c of	*			
Dover ...	29.57	42	WSW	3	c	29.64	0.00	40	-1	W	2	c	2	0.30	45	38	o.c bc.	b bc.	im	5.3			
Wick ...	29.44	42	SSE	4	c	29.46	-0.01	41	0	S	3	c	4	0.02	42	40	bc	bc	bc	*			
Nairn ...	29.44	33	SE	1	c	29.44	0.00	30	0	-	0	bc	1	-	37	27	em.	m.c.	bc	0.0			
Aberdeen ...	29.50	40	SSE	1	c	29.52	0.00	39	-1	SSE	2	o	3	0.01	41	34	c	c	c bc.	0.0			
Leith ...	29.46	36	SE	2	b	29.50	0.00	33	-4	-	0	cp	*	-	39	28	bc	c bc.	bz.	*			
North Shields ...	29.51	38	SW	1	f	29.54	0.00	35	0	S	2	o	2	-	38	30	o.c.	c of	of c.	*			
Spurn Head ...	29.51	39	WNW	3	c	29.56	0.00	39	-1	S	2	fd	4	0.05	42	35	o.c.	o.c.	bc fd.	*			
Yarmouth ...	29.50	40	W	2	c	29.60	0.00	40	0	S	3	bc	3	0.11	44	38	o.c.	c.	om of	0.1			
Clacton-on-Sea ...	29.53	38	W	1	b	29.60	+0.07	37	-3	W	1	bc	2	0.02	41	36	ogd	ogd	bc	0.0			
Nottingham ...	29.51	34	SSE	1	b	29.58	0.00	35	-3	SW	1	om	*	0.01	41	31	om	om	bc	0.0			
Bath ...	29.49	42	SSW	2	bc	29.61	0.00	30	-7	-	0	bc	*	0.04	45	28	-	-	-	2.8			
London (Kew Obsy.) ...	29.54	42	SW	2	cm	29.63	+0.09	31	-9	-	0	fx	*	0.03	45	31	cm	c	cm	2.4			
Isafjord ...													*	*	*	*							
Reykjavik ...													*	*	*	*							
Vestmanna ...													*	*	*	*							
Seydisfjord ...													*	*	*	*							
Thorshavn ...													*	*	*	*							
Haparanda ...	29.93	-9	N	2	b	29.98	-0.05	-4	-4	N	2	b	*	-	0	-11							
Hernösand ...	29.89	8	NNE	2	o	29.81	-0.08	14	-9	N.	2	s	*	0.04	23	7							
Stockholm ...	29.76	31	SE	2	o	29.71	-0.05	28	-2	E	2	o	*	0.08	31	28							
Wisby ...	29.75	29	S	2	s	29.61	-0.14	31	+1	SE	2	s	*	0.08	31	28							
Karlstad ...	29.70	27	E	2	s	29.63	-0.07	30	+5	NE	2	s	*	0.04	30	25							
Færder (X'ianla Fjord) ...	29.67	27	ME	6	o	29.62	-0.05	27	0	N	6	o	3	0.04	28	27							
Bodö ...	29.84	23	E	2	b	29.78	-0.06	23	-3	E	2	b	1	-	27	19							
Christiansund ...	29.89	27	-	0	c	29.63	-0.26	27	-2	-	0	c	2	-	29	25							
Skudesnaes ...	29.65	31	E	2	b	29.63	-0.02	31	-3	E	2	b	2	-	29	25							
The Scaw (Skagen) ...	29.59	34	SE	3	o	29.54	0.00	33	+1	NE	4	o	1	0.04	34	32							
Blaavands Huk ...	29.43	32	E	2	f	29.54	+0.11	33	+3	NNE	2	m	1	-	33	27							
Cuxhaven ...	29.36	37	S	4	r	29.57	+0.21	36	+5	W	1	o	*	0.02	37	31							
The Helder ...	29.49	40	NW	2	o	29.64	+0.15	37	+1	SE	1	o	0	0.12	41	36							
Brussels ...	29.62	40	WSW	2	b	29.67	+0.05	40	-3	SW	2	o	0	0.04	44	36							
Berlin ...	29.67	33	S	2	o	29.62	0.00	37	+14	SW	2	o	0	0.08	39	23							
Frankfurt ...	29.71	39	SW	4	c	29.76	+0.05	35	+4	SW	1	o	*	0.04	43	31							
Munich ...	29.85	35	S	2	o	29.85	-0.01	34	+8	S	1	bc	*	0.04	43	26							
C. Gris Nez ...	29.56	45	WSW	4	c	29.63	+0.07	42	-2	WSW	4	r	4	0.16	48	41							
La Hève ...	29.61	41	SW	5	c	29.63	0.00	41	0	WSW	6	o	5	0.08	48	37							
Brest (St. Mathieu) ...	29.56	46	WSW	4	c	29.79	+0.23	45	-2	NNW	5	r	5	0.08	48	41							
Lorient (Bec Melen) ...	29.60	47	SW	5	b	29.82	0.00	46	0	NW	4	o	5	0.24	52	41							
Rochefort (Ile d' Aix) ...	29.78	46	W	5	r	29.92	0.00	47	-2	NNW	4	c	*	0.32	52	45							
Biarritz ...	29.91	53	NNW	3	c	30.08	0.00	50	+2	WSW	5	b	7	0.24	59	46							
Paris ...	29.70	43	SW	3	b	29.74	+0.04	40	-1	SW	3	o	*	0.04	49	37							
Belfort ...	29.80	41	WSW	6	o	29.86	0.00	38	+1	WSW	6	o	*	0.16	48	37							
Lyons ...	29.89	44	S	2	b	29.96	0.00	43	-1	SW	1	bc	*	0.04	49	40							
Nice ...	29.91																						



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 17<sup>TH</sup> JANUARY.



## GENERAL INFERENCE

The low pressure system still existing on the Atlantic does not appear to be approaching the United Kingdom, but some small and

## WEATHER PROSPECTS.

very shallow secondary disturbances are shown over these Islands, and will maintain the weather in a generally unsettled condition.

## FORECASTS FOR THE 24 HOURS NOON Saturday

## TO NOON Sunday.

- 0 { Wind mainly Southerly, light or moderate, fresh locally; much cloud, some rain and mist; moderate temperature.

- 1 { temperature.
- 2 { Wind between South and South-West, light or moderate generally; mist or fog at times, some showers locally; temperature not far from the normal.

5

## FORECAST DISTRICTS.



## STORM WARNINGS.

The Coasts upon which the Warning signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

- 6 { Same as Nos 0 and 1.

- 7 { Wind between South and West, fresh or strong at times, but mostly moderate; changeable, some rain and mist, fair intervals; moderate temperature.

- 10 {

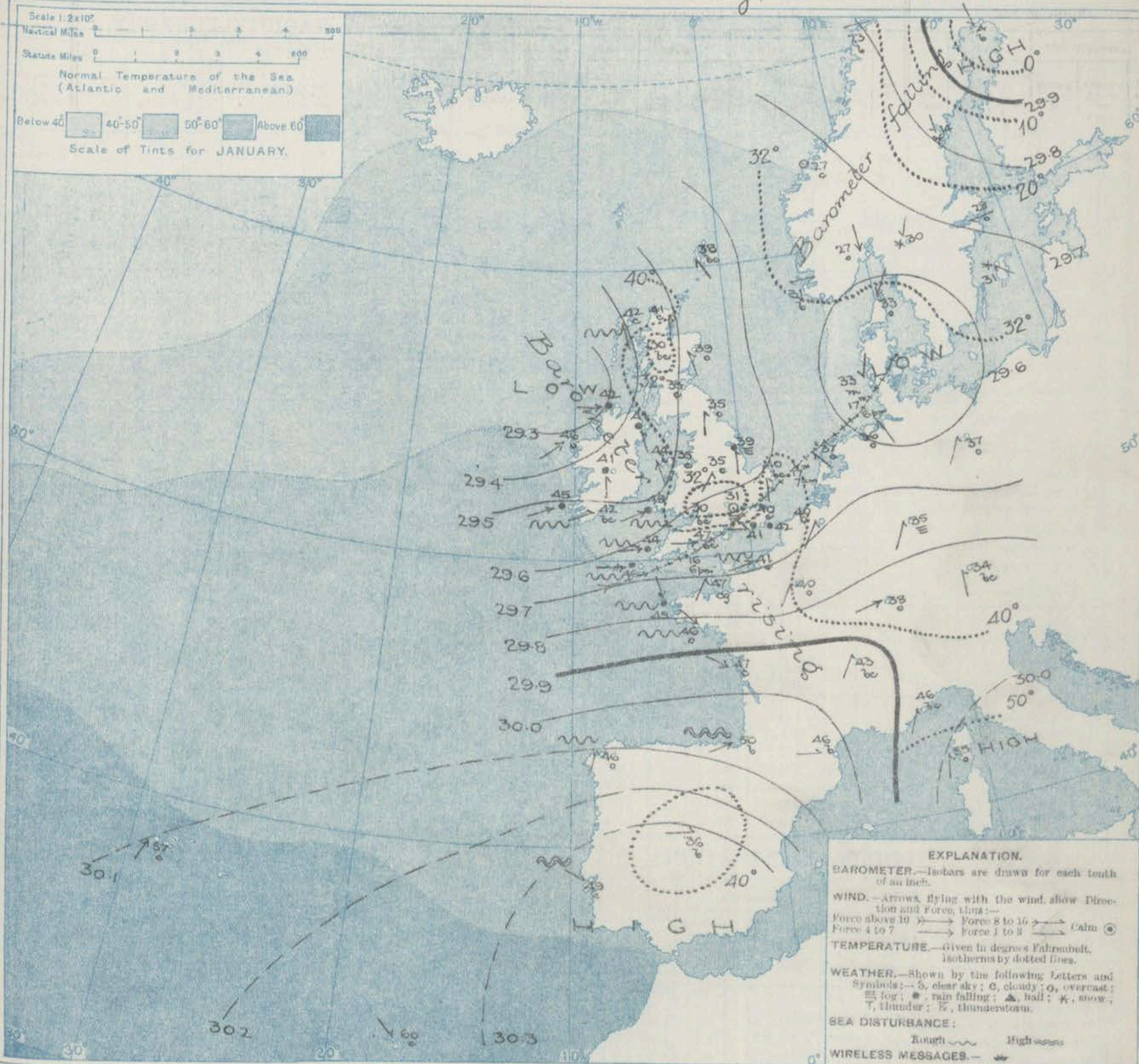
## 11 WESTERN CHANNEL AND BAY.

Westerly to South-Westerly winds, fresh or strong to moderate; some mist and rain; much cloud; sea moderate to rather rough.

## THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. Saturday, 18<sup>th</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

The barometer is about 30.1 in. at the Azores and also at Spitzbergen, while it is below 29.6 in. in a depression covering Denmark and its vicinity, and below 29.3 in. off the northwest of Ireland.

The wind is moderate to strong from the S.W. on the English Channel, generally light or moderate from the S.W., but strong in the Hebrides. A separate circulation of little force prevails round the Danish depression. Temperature has fallen

somewhat in most regions but risen in Germany. Over the United Kingdom it ranges from 47° at Jersey and Portland Bill to 30° at Bath and Obain. The weather varies greatly. In a few localities it is fair or bright, but generally there is much cloud, with mist or fog, and in some places rain is falling. Snow is reported over a large area in Sweden. The sea is rather rough on our southwest coasts and in the Minch, moderate or slight generally.



## DAILY WEATHER REPORT.

Saturday, 18th January, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
17th, 6 p.m.	50	28	<i>Majestic</i>	H	29.38	+16	WNW	6-7	c.	17th, 7 a.m.	49	13	<i>Kronland</i>	H	29.31	+06	WSW	6-7	bc.
" "	50	13	<i>Montezuma</i>	O	29.40	+08	W	8-9	bc.	" "	50	11	<i>Montezuma</i>	O	29.36	+04	NW	1-3	bc.
1 p.m.	49	11	<i>Kronland</i>	H	29.39	+03	W	6-7	c.										

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scotland.	In.					Hr.	Margate ...	In.					Hr.
Oban ...							Ramsgate ...	0.24	45	38	o	o.b.	0.7
Stonehaven ...							Deal ...	0.20	46	37	*	*	3.4
St. Andrews ...		37	28	o	o	0.0	Folkestone ...	0.27	46	38	r.c.	bc.c.	5.7
Carnoustie ...							Littlestone ...	0.25	46	34	r.b.	b.b.	5.3
England, N.E.							Hastings ...	*	*	*	*	*	3.8
Harrogate ...		35	29	m.c.	c.b.c.	0.0	Bexhill-on-Sea ...	0.38	47	30	ot.b.c.	bc.o.c.	2.4
Scarborough ...							Eastbourne ...	0.24	47	30	bc.o.b.	cp.b.c.	3.6
England, N.W.							Seaford ...	0.28	46	38	bc.b.	o.c.o.	2.9
Blackpool ...		40	35	o	c	0.1	Brighton ...	0.09	46	39	r.o.	b.ot.b.c.	3.5
Southport ...		39	33	f	m.b.m.	0.0	Worthing ...	0.08	46	38	bc.b.	c.ot.c.	3.6
Buxton ...		37	32	bc	bc.m.	0.0	Littlehampton ...	0.09	48	37	bc	bc	4.1
Matlock ...							Bognor ...	*	*	*	*	*	3.6
Douglas ...							Southsea ...	0.07	48	38	bc.b.r.	ca.	4.5
Wales.							Bournemouth ...	0.13	48	35	b.b.c.	cf	3.6
Rhyl ...		43	35			3.5	Weymouth ...	0.23	49	35	bp.b.c.	cp.b.c.	2.0
Colwyn Bay ...		47	36	o.b.	b.b.c.	3.7	Teignmouth ...	0.16	48	34	c.ot.b.c.	p.b.c.	1.3
Llandudno ...		41	36	c.b.	b.	3.6	Torquay ...	0.54	49	35	o	pc.b.c.	1.3
Bettws-y-Coed ...							Paignton ...	0.46	49	32	f.ot.b.c.	r.o.	2.4
Aberystwyth ...	0.38	44	37	o.c.b.	c.ot.	2.3	Ilfracombe ...	0.40	46	39	ogr	c.b.c.	0.5
England, E.							Weston-super-Mare ...	0.08	43	35	b.b.c.r	t.b.c.	1.0
Lowestoft ...	0.12	42	38	o.c.o.	od.r.c.	0.0							
Felixstowe ...	0.26	41	38	d.om.	d.om.b.c.	0.0							
Walton-on-Naze ...	0.18	41	33	ot	ot.b.c.	0.0							
Southend-on-Sea ...	0.18	42	38	o	o	0.0							

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.					
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In.	°	°	Night Min. on Grass.	Night.	Fore-noon.	After-noon.		
			Max.	Min.																Max.	Min.
			24 HOURS ENDED 9 A.M. TO-DAY.																		
Greenwich (Royal Obs.) ...	%	%	45	31	24	0.02	bc.c	c.dp	0.2f	1.9	Dublin to 4 p.m.	0.19	46	35	32	r.bc	bc	bc.			
City (Rushmill Row) ...	*	*	*	*	*	*	*	*	*	0.1	Plymouth to 9 p.m.										
Westminster (St. James's Pk.)	82.	100	46	33	29	0.02	bc	bc.	r.f	1.1	Darwen "	-	38	32	28	c.og	bc	bcq			
Camden Sq. (Brit. Rainfall)	82.	100	45	32	27	0.03	o	bc.ot	bcq	1.7	Manchester "	-	43	36	25	bc.	c	c			
Hampstead (Reservoir) ...	*	97	43	33	27	0.03	d.f	ot.c.	d.xf	1.2	Birmingham "	0.06	41	35	30	r	o	o			
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																		
			Total.		Average Rate.		Max. Rate.														
S. Kensington (Roof of M.O.)	81	100	295 Joules.		9.5 Milli-watts.		23 Milli-watts.		1.0	S. Kensington (Museum Grounds to 6 p.m.)	0.09	45	40	34	adb.ot.	ot.c.bc.	c.d.c.				

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

18th & 19th Jan., 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 7.55 7.54	G.M.T. 12.3 12.4	G.M.T. 4.11 4.13
Greenwich ...	7.59 7.57	12.10 12.11	4.23 4.25
Wick ...	8.48 8.46	12.12 12.23	3.57 4.0
Valencia ...	8.41 8.40	12.51 12.52	5.2 5.4

During yesterday temperature rose to 45° or above in many parts of England and Ireland, but remained below 40° at many places in the north. Slight frost occurred at night at some parts of Great Britain. Rain has fallen in most localities but not in large quantities. A fair amount of bright sunshine was again reported in Wales and the south and south-east of England and also at Valencia. According to wireless reports strong winds or gales from the Westward prevailed as far west as the 28th meridian.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Sunday  
19th January, 1913.

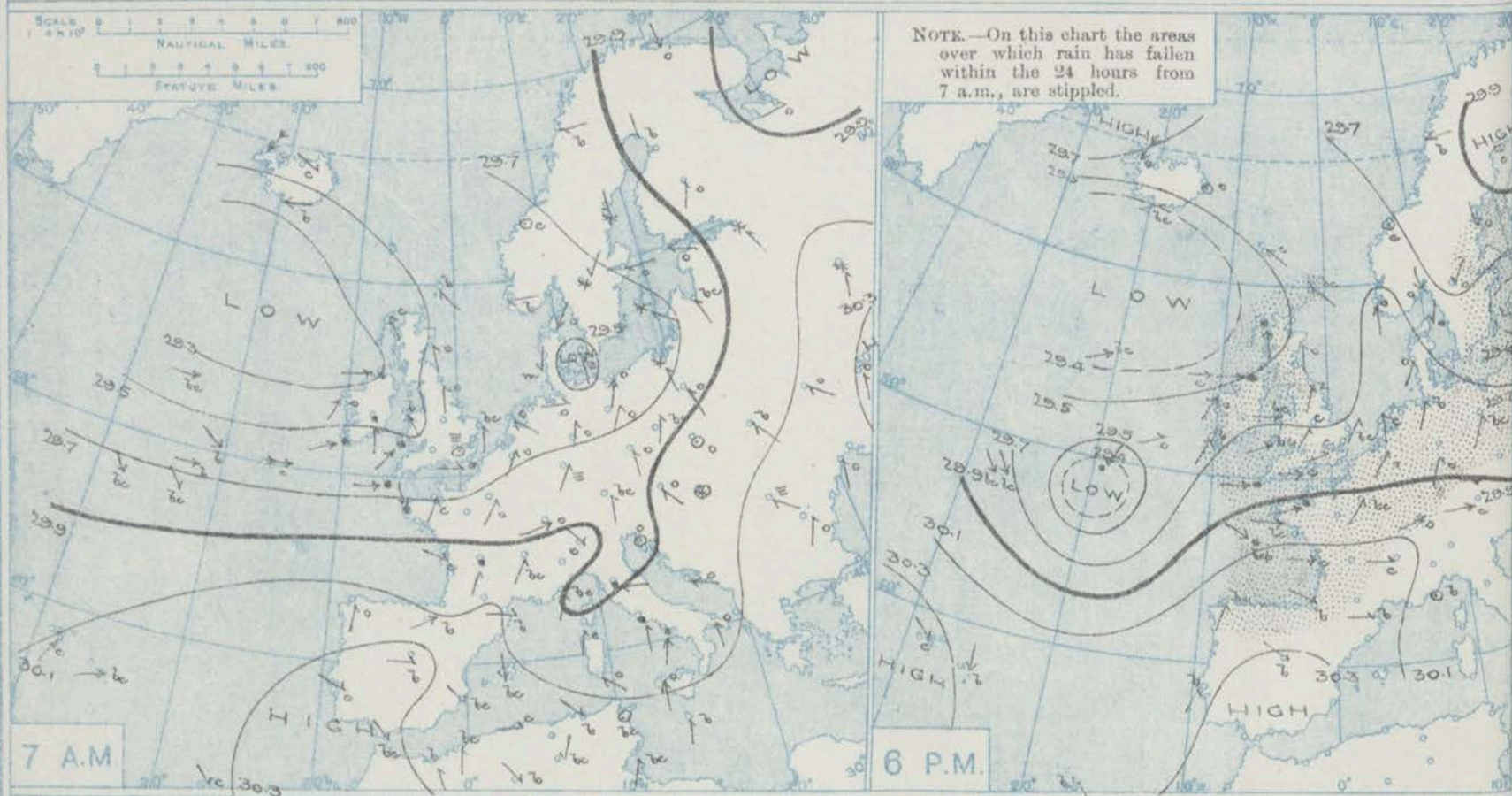
JANUARY, 1913.																						
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		BAROM.		TEMP.	WIND.	Weather.	BAROMETER.		TEMP.	WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.					
		At 32° Fahr. and M.S.L. Lat. 46°.	Dry Bulb.	Dir.	Force (0 to 12).		At 32° Fahr. and M.S.L. Lat. 46°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.					Dir.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.		
		29.32	-11	SE	1	b	29.73	.00	42	+14	SE	3	bc	2	0.08	42	38	b	bc	bcp	*	
Lerwick ...		29.58	40	SE	2	bc	29.62	.00	42	+14	SE	3	bc	2	0.08	42	38	b	bc	bcp	*	
Stornoway ...		29.48	42	S	4	opd	29.56	.00	39	-3	S	3	bc	4	0.05	43	37	c od	odpo	c bcp	0.0	
Castlebay (Barra Isd.)																						
Malin Head...		29.50	42	W	5	cpmq	29.51	-.08	35	-7	S	3	bcm	2	0.02	44	34	omr	cmp	bema	*	
Blacksod Point		29.55	44	SW	5	o	29.38	-.14	41	-5	SSE	5	o	3	0.14	46	39	ompg	omp	omp	*	
Valencia ...		29.63	41	SW	3	b	29.15	-.17	46	+1	SE	6	o	5	0.45	48	39	omp	bc	bc or	2.0	
Roche's Point		29.73	41	W	2	b	29.28	*	48	+6	SE	7	r	6	0.28	48	39	c	bcp b	b or	*	
Birr Castle ...		29.66	37	SW	1	c	29.40	*	42	+1	E	3	o	*	0.06	45	33	cp	cp	bc o	3.4	
Donaghadee		29.57	41	SSW	2	bc	29.61	-.03	36	-5	SSW	1	bc	1	-	46	33	bc	bc	bc or	*	
Liverpool Obsy.		29.68	40	WSW	4	b	29.70	-.03	35	0	SSE	3	o	3	0.01	40	34	omp	bc	bc	1.7	
Holyhead ...		29.70	48	W	4	bc	29.63	-.04	42	-2	S	5	bc	4	0.01	43	41	bc	bc	bc		
Pembroke (St. Ann's Hd.)		29.75	48	WSW	4	bc	29.56	-.07	45	0	SE	5	cgq	5	0.03	48	42	cgpv	cg	cg	0.6	
Newquay ...		29.81	44	WSW	5	b	29.50	-.12	47	+3	S	6	od	4	0.04	48	37	ev bcp	cp. bv	b or	1.5	
Scilly (St. Mary's)		29.83	45	W	4	bcpq	29.45	-.18	49	+3	SSE	6	agrm	6	0.09	49	42	cgq	bcpq	omq	2.4	
Jersey (St. Aubin)		29.92	43	WSW	4	agrm	29.84	*	45	-2	SE	4	ogrm	4	0.35	49	42	ogrm	ogrm	bc or	1.3	
Portland Bill		29.81	47	W	5	c	29.76	-.08	43	+1	SSE	5	c	4	-	48	43	c	c	bc c	*	
Dungeness ...		29.76	45	W	3	c	29.86	-.09	43	+2	SW	2	cx	3	-	48	40	c	c	c bcp	*	
Dover ...		29.78	43	WNW	3	r	29.89	*	37	-3	WSW	2	bc	3	0.01	47	36	c bc b	b bc or	c bc or	3.2	
Wick ...		29.50	41	S	4	c	29.58	+0.01	37	-4	-	0	c	3	-	41	35	cm. tem	tem. cm	cm	*	
Nairn ...		29.49	36	-	0	c	29.59	*	32	+2	-	0	bc	1	0.04	40	29	cg	pc	bc	0.3	
Aberdeen ...		29.54	40	S	1	o	29.63	+0.10	31	-8	WSW	1	b	3	-	42	30	c bc c	c. od m	od bc	0.0	
Leith ...		29.55	38	WSW	1	r	29.67	+0.02	34	+1	-	0	b	*	0.11	42	32	cor	op	op	*	
North Shields		29.60	34	SSW	1	m	29.70	.00	34	-1	-	0	c	2	0.05	37	33	r	g	o	0.0	
Spurn Head ...		29.66	29	SW	4	f	29.75	.00	36	-3	SW	4	bc	4	-	41	33	cm	f	cm. tem	*	
Yarmouth ...		29.71	40	SW	2	bc	29.83	+0.02	33	-7	SW	2	b	2	-	44	33	bc	bc	bc b	5.2	
Clacton-on-Sea		29.74	37	W	1	m	29.85	-.01	36	-1	W	1	b	1	0.04	39	32	bc c	cf. bcp	bc or	0.0	
Nottingham...		29.71	39	WSW	2	c	29.78	*	33	-2	SW	1	o	*	-	41	30	om f	f. bc	bc or	0.0	
Bath ...		29.81	42	W	1	opm	29.77	*	34	+4	SW	1	c	*	0.04	46	28	-	-	-	1.0	
London (Kew Obsy.)		29.79	42	WSW	2	c	29.84	-.01	31	0	SW	1	omx	*	Trace	44	30	for bc d	cf. bc b	c bc or	0.2	
Isafjord...		29.71	30	NE	9	o	29.75	.00	29	-4	NE	9	o	*	-	-	-	-	-	-		
Reykjavik		29.40	35	-	0	o	29.44	.00	34	0	N	8	c	*	-	-	-	-	-	-		
Vestmanna		29.36	41	ENE	2	bc	29.37	-.01	33	-8	N	1	b	2	-	-	-	-	-	-		
Seydisfjord		29.54	35	-	0	o	29.52	-.02	34	-	-	0	o	*	-	-	-	-	-	-		
Thorshavn		29.50	42	SE	4	c	29.50	-.01	41	-	SSE	2	c	*	-	-	-	-	-	-		
Haparanda		29.93	7	-	0	o	29.90	.00	5	+9	N	2	b	*	-	12	-8	-	-	-		
Hernösand		29.86	20	N	4	o	29.84	+0.01	20	+6	-	0	o	*	0.08	21	14	-	-	-		
Stockholm		29.69	28	ENE	2	o	29.75	+0.02	24	-4	N	2	o	*	0.04	28	23	-	-	-		
Wisby ...		29.58	31	E	2	o	29.67	+0.05	30	-1	NE	2	o	*	0.04	31	27	-	-	-		
Karlstad		29.71	27	ENE	2	o	29.80	+0.04	21	-9	-	0	o	*	0.16	30	19	-	-	-		
Færder (X'ania Fjord)		29.69	29	N	5	o	29.79	+0.04	28	+1	NNE	2	o	1	-	29	27	-	-	-		
Bodö ...		29.79	19	E	4	b	29.80	+0.01	16	-7	E	4	b	2	-	23	14	-	-	-		
Christiansund		29.69	31	-	0	c	29.75	+0.02	32	+5	-	0	o	1	-	32	27	-	-	-		
Skudesnaes		29.71	35	S	4	o	29.71	.00	37	+6	S	4	o	3	-	37	30	-	-	-		
The Scaw (Skagen)		29.66	34	NNE	3	o	29.78	+0.04	33	0	NNE	3	o	1	-	34	32	-	-	-		
Blaavands Huk		29.73	33	SW	1	o	29.78	+0.01	24	-9	ESE	1	f	1	-	36	21	-	-	-		
Cuxhaven		29.76	31	SW	1	b	29.78	.00	35	-1	S	1	r	*	0.08	37	30	-	-	-		
The Helder ...		29.75	40	S	3	o	29.84	+0.03	41	+4	SW	2	b	2	Trace	41	37	-	-	-		
Brussels ...		29.84	42	WSW	2	o	29.95	+0.01	35	-5	SSW	1	bc	*	0.08	44	34	-	-	-		
Berlin ...		29.77	38	SW	1	bc	29.88	+0.01	23	-4	S	1	o	*	0.04	39	32	-	-	-		
Frankfurt ...		29.89	37	SW	2	o	29.99	+0.04	36	+1	SW	2	o	*	0.08	39	34	-	-	-		
Munich ...		29.94	37	W	4	c	30.10	+0.02	35	+1	W	5	r	*	-	39	34	-	-	-		
C. Gris Nez...		29.78	46	W	5	bc	29.88	-.02	43	+1	S	3	c	3	0.04	48	41	-	-	-		
La Hève ...		29.82	43	W	6	o	29.93	*	38	-3	S	5	c	5	0.04	48	36	-	-	-		
Brest (St. Mathieu)		29.97	47	W	4	bc	29.86	-.12	43	+3	S	6	o	5	0.04	50	45	-	-	-		
Lorient (Bec Melon)		30.00	47	WNW	4	b	29.70	*	50	+4	SSW	6	o	5	0.08	52	43	-	-	-		
Roche fort (Ile d'Aix)		30.11	48	W	5	o	29.99	*	45	-2	S	4	o	*	0.16	50	45	-	-	-		
Biarritz ...		30.19	53	WNW	4	b	30.06	*	48	-2	S	4	o	5	0.12	54	46	-	-	-		
Paris ...		29.94	45	WSW	3	o	30.02	-.02	35	-5	S	3	o	*	Trace	48	33	-	-	-		
Belfort ...		29.95	39	WSW	6	o	30.15	*	37	-1	WSW	6	o	*	0.08	41	36	-	-	-		
Lyons ...		30.14	45	W	1	c	30.23	*	35	-8	SSW	1	b	*	-	50	33	-	-	-		
Nice ...		29.94	49	-	0	b	30.08	.00	40	-6	E	2	b	2	-	57	39	-	-	-		
Perpignan		30.23	50	W	3	b	30.20	-.03	34	-12	SW	1	b	*	-	57	33	-	-	-		
Sanguinaire									</													

\* Information for these columns not usually received.

† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 18<sup>TH</sup> JANUARY.



GENERAL INFERENCE

WEATHER PROSPECTS.

FORECASTS FOR THE 24 HOURS NOON Sunday TO NOON Monday.

0 {  
a  
b

1

2 {  
a  
b

3

4 {  
a  
b

5

FORECAST DISTRICTS.



STORM WARNINGS.

The Conds upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cove.	South Cove.
North Cove.	North Cove.

South Cove hoisted at 8.30 a.m. to-day in Districts 5, 7, 8, 10 & 11.

6 {  
a  
b

7 {  
a  
b

8 {  
a  
b

9 {  
a  
b

10 {  
a  
b

11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

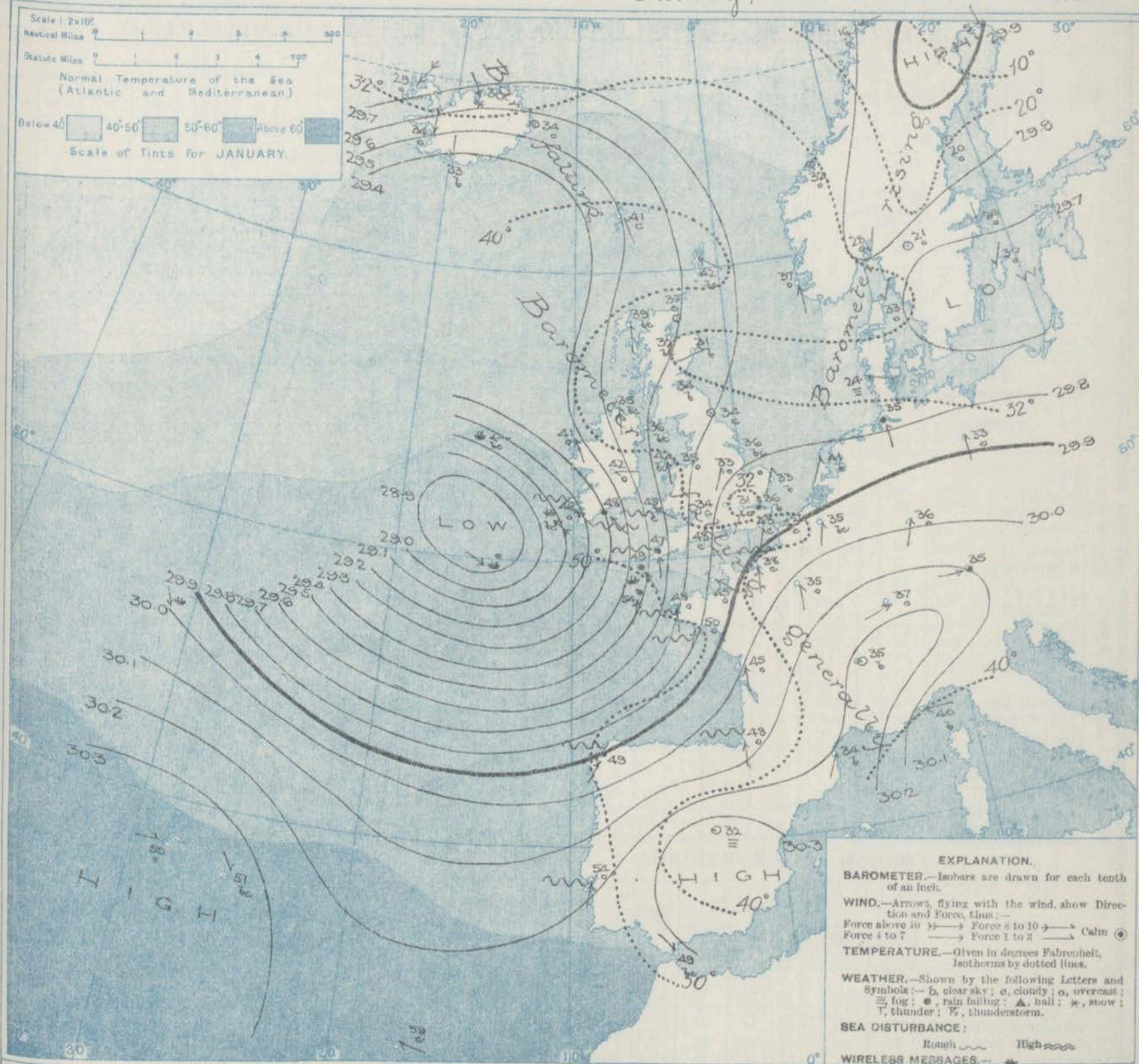
— None Issued. —

— None Issued. —

30.3 i  
regio  
deep  
with  
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on th  
south



# SYNOPTIC CHART FOR 7 A.M. Sunday, 19<sup>th</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

Areas of high pressure, with the Barometer above 30.3 in., occupy south-western Europe and the Azores region. In the course of the past night a very deep cyclonic system has arrived off the Kerry coast, with the Barometer below 28.9 in. A steep gradient exists over our south-western districts, the Bay and the Ocean beyond.

Balm and light variable breezes prevail over north-eastern Britain and Scandinavia, the rest of our area having a cyclonic circulation around the minimum pressure on the Atlantic. Strong or high winds are reported at many south-western stations, a gale to a strong gale in western

Iceland, and locally on the ocean. Over the British Isles temperature ranges from 31° at Aberdeen and Kew Observatory to 49° at Sully; on the Continent from 32° at Madrid, and 33° at Berlin to 54° at Lisbon; in Scandinavia from 5° at Haparanda to 37° at Skudeneas; and in Iceland from 29° to 34°. At Spitzbergen the reading is at zero. Both at home and abroad the weather is rather variable, fine and clear in places, but mostly cloudy to very dull. Rain is falling in various isolated situations, a snow in the north of Iceland. On the Spanish coast & at Madrid the atmosphere is foggy. A rough sea is running between Looe & Lundy, & off the Spanish coast, rather rough in several other south-western neighbourhoods.



## DAILY WEATHER REPORT.

Sunday, 19th January, 1913

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
19th 8 a.m.	48.40	6.20	H.M.S.	H.	29.70	-0.07	SSW	6	r	18th 6 p.m.	51	15	Carmenia	H	29.58	-0.06	WSW	1-3	
" 7 a.m.	54	15	California	H	29.18	-0.09	E	4-5	bc	" 7 a.m.	55	11	Hesperian	O	29.42	+0.05	W	4-5	
" "	49	14	Minnewaska	H	29.87	+0.05	WNW	6-7	o	" "	48	28	Lake Champlain	H	29.72	-0.05	NW	4-5	
" "	51	10	Carmenia	H	29.03	-0.07	SE	8-9	bc	" "	53	24	California	H	29.23	-0.01	W	6-7	
18th 6 p.m.	47.32	6.0	H.M.S.	H.	29.93	+0.01	WNW	5	bc	" "	48	23	Minnewaska	H	29.77	-0.03	NW	1-3	
" "	48	26	Majestic	O	29.64	+0.12	NNW	4-5	bc	" "	49	21	Majestic	O	29.64	+0.03	W	4-5	
" "	48	26	Lake Champlain	H	29.63	-0.01	NNW	6-7	bc	" "	50	20	Carmenia	H	29.63	-0.02	WNW	6-7	
" "	54	20	California	H	29.33	+0.01	WSW	4-5	bc	" "	50	15	Montezuma	O	29.72	+0.02	W	8-9	
" "	49	19	Minnewaska	H	29.33	-0.07	NE	6-7	r										

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.	
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.
Scotland.	Oban	In.					Hr.	England, S.E.	Margate	In.			bc-b	bc-p
	Stonehaven								Ramsgate					
	St. Andrews								Deal					
	Carnoustie								Folkestone					
England, N.E.	Harrogate	0.04	38	29	mop	op-c	0.0	England, S.W.	Littlestone					
	Scarborough								Hastings					
	Blackpool								Bexhill-on-Sea					
	Southport	0.04	44	35	op-bc	bc-b	1.4		Eastbourne					
England, N.W.	Buxton	0.08	39	33	bc	bc	0.2	England, S.W.	Seaford					
	Matlock								Brighton					
	Douglas								Worthing					
	Rhyl								Littlehampton					
Wales.	Colwyn Bay	0.12	47	39	c	o	2.6	England, S.W.	Bognor					
	Llandudno								Southsea					
	Bettws-y-Coed								Bournemouth					
	Aberystwyth	0.20	47	39	r-o-c	c-o-c	0.8		Weymouth					
England, E.	Lowestoft							England, S.W.	Teignmouth					
	Felixstowe								Torquay					
	Walton-on-Naze	0.01	41	33	m-o-bc	bc-m	3.2		Paignton					
	Southend-on-Sea								Ilfracombe					
									Weston-super-Mare					

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.					
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Forenoon.	Afternoon.	Night.				In.	Hr.	In.	Max.	Min.	Night Min. on Grass.	Night.	Forenoon.	Afternoon.
			Max.	Min.		Max.				Min.		Max.									
			24 HOURS ENDED 9 A.M. TO-DAY.																		
Greenwich (Royal Obs.) ...	%	%	46	32	24	0.01	bm.b	c	cp.bx	2.3	Dublin to 4 p.m.	0.02	46	38	35	cp.b	c.b	bc			
City (Bunhill Row) ...	79	94	*	*	*	*	*	*	*	0.1	Plymouth to 9 p.m.	0.02	49	36	28	b	bcp	bv			
Westminster (St. James's Pl.)	82	94	46	31	28	*	f	o	o.bcx	0.4	Darwen "	0.07	40	31+	30	c.om	r.bc	bc			
Camden Sq. (Brit. Rainfall)	88	93	45	30	25	-	f	c.bc	b.c	0.2	Manchester "	0.02	44	35	26	o.c	bc.op	o.c			
Hampstead (Reservoir) ...	*	93	45	33	27	0.02	bm.b	bc	bc.fx	1.0	Birmingham "	0.02	43	33	25	o	c	b			
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																		
			Total.			Average Rate.			Max. Rate.												
S. Kensington (Roof of M.O.)	82	98	224 Joules.			7.4 Milliwatts.			17 Milliwatts.			0.1	S. Kensington (Museum Grounds to 6 p.m.)	Trace	45	34	25	c.bcf	fe.bo	om.b	

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

	19th Jan. 1913.	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	4.15
		7.56	12.11	4.26
Wick		8.46	12.23	4.0
		8.44	12.23	4.3
Valencia		8.40	12.52	5.4
		8.39	12.52	5.5

During yesterday temperature mounted to between 45° and 49° in many parts of this country. It did not pass 37° at Shields. Slight frost occurred in various districts in the night. Rain though general, was not heavy. Fog was experienced in London and in several other places in southern and eastern England. Bright sunshine ranged from none at a few stations to 4½ hours at Ramsgate. As far west as the 30th 30th meridian ships had a cyclonic circulation of winds varying from a light breeze to a gale, with changeable weather and occasional rain.

NOTE.—The information relating to weather is indicated by the following letters—b, blue sky; bc, sky half clouded; c, sky three parts clouded; d, drizzling 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; s, snow; t, thunder; u, ugly, threatening sky; v, visibility, unusual transparency; w, dew; x, hoar frost; z, dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrapping.

ST. ...  
Lerw ...  
Storm ...  
Castl ...  
Malin ...  
Black ...  
Valen ...  
Roche ...  
Birr ...  
Donag ...  
Liver ...  
Holy ...  
Pemb ...  
Newq ...  
Scilly ...  
Jersey ...  
Portla ...  
Dunge ...  
Dover ...  
Wick ...  
Nairn ...  
Aberd ...  
Leith ...  
North ...  
Spurn ...  
Yarm ...  
Clacto ...  
Nottin ...  
Bath ...  
Londo ...  
Isafjo ...  
Reykja ...  
Vestm ...  
Seydis ...  
Thors ...  
Hapar ...  
Hern ...  
Stock ...  
Wisby ...  
Karist ...  
Faerde ...  
Bodö ...  
Christ ...  
Skude ...  
The S ...  
Blaava ...  
Cuxha ...  
The H ...  
Brusse ...  
Berlin ...  
Frank ...  
Munic ...  
C. Gr ...  
La He ...  
Brest ...  
Lorien ...  
Roche ...  
Biarri ...  
Paris ...  
Belfor ...  
Lyons ...  
Nice ...  
Perpig ...  
Sangu ...  
Corun ...  
Lisbor ...  
Gibral ...  
Azores ...  
Azores ...  
Madeir ...  
In



# 12.25 DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Monday  
20th January 1913.

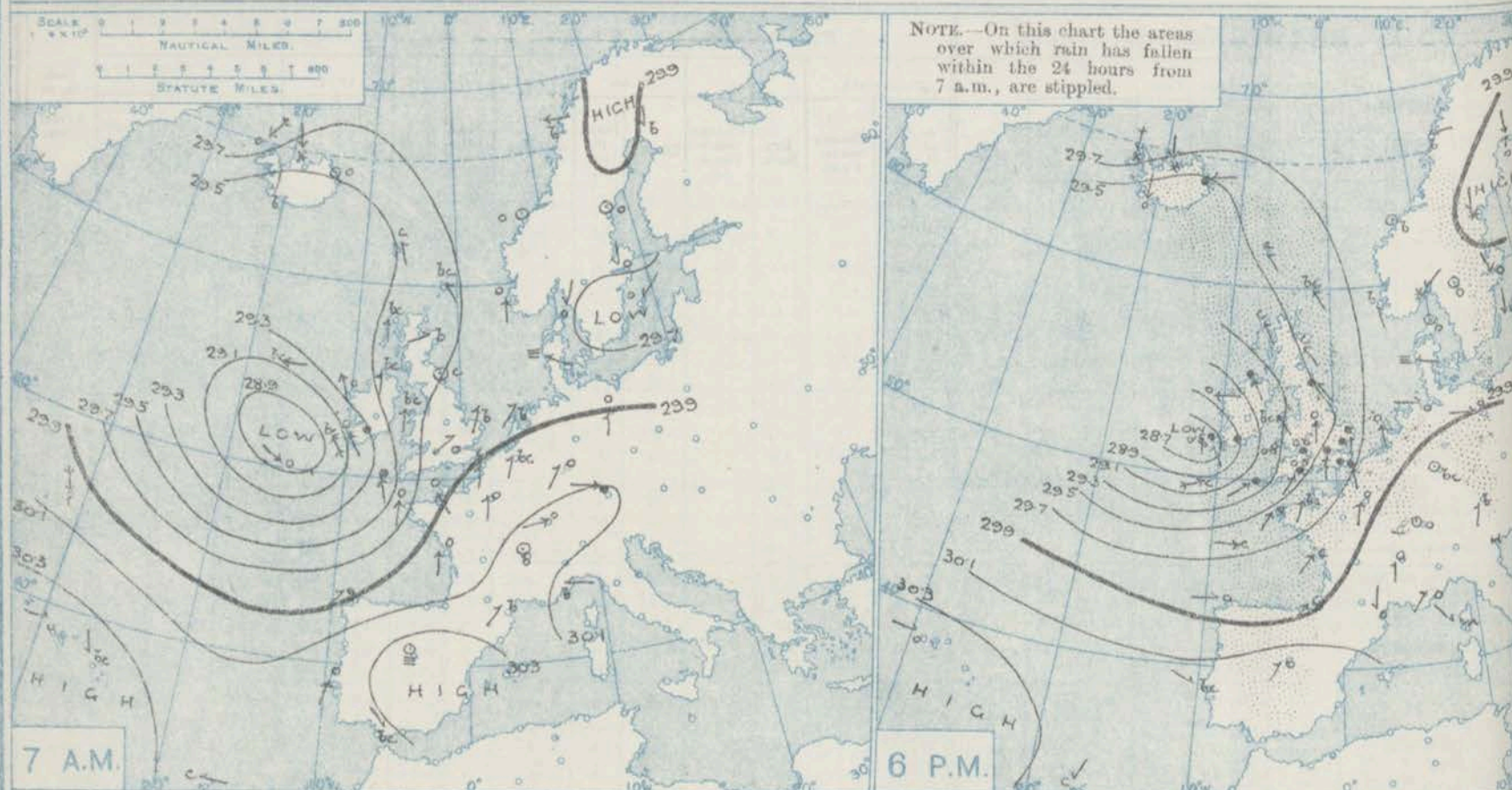
STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.										Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.		BAROMETER.		TEMP.		WIND.		Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.										
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Wet Bulb.	Force (0 to 12).	Dir.	Weather.	At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dir.	Force (0 to 12).			Weather.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.							
Lerwick ...	29.96	41	38	SE	5	bc	29.52	-0.2	39	-3	ESE	5	cap	3	0.05	42	39	bc	bc	chpy	*						
Stornoway ...	29.46	38	35	SE	4	c	29.30	-0.4	42	+3	SE	6	c	5	0.01	43	37	bc	bc-c	cdpy	1.1						
Castlebay (Barra Isd.) ...																											
Malin Head ...	29.15	42	38	SE	7	rmq	29.06	-0.1	41	+6	SE	5	capm	4	0.03	43	34	ora	qm	capm	*						
Blacksod Point ...	29.02	45	40	E	6	o	28.98	+0.1	43	+2	NNE	6	o	4	Trace	45	40	oqm	oqm	capm	*						
Valencia ...	28.68	46	40	SSW	3	cp	29.00	+0.6	46	0	W	5	o	5	0.50	48	43	st	ep	cm-t	0.0						
Roche's Point ...	28.87	45	40	SW	6	r	28.92	*	44	-4	W	4	o	5	0.43	49	43	cp	or	re-bc	*						
Birr Castle ...	28.97	41	38	SE	4	c	28.84	*	41	-1	WNW	1	o	*	0.30	46	39	or-e	cpq	cp-o	1.9						
Donaghadee ...	29.27	44	38	SE	5	o	29.09	-0.3	43	+7	SE	5	c	4	Trace	45	35	cp	cmr	bcpm	*						
Liverpool Obsy. ...	29.34	41	38	SE	3	bc	29.08	-0.4	39	+4	ESE	5	o	3	0.05	42	33	cp-c	o	bc-p	0.0						
Holyhead ...	29.25	43	38	SE	5	bc	28.97	-0.4	41	-1	SE	6	r	5	0.16	45	41	ep	bc	opm	*						
Pembroke (St. Ann's Hd.) ...	29.18	46	40	S	7	c	28.90	-0.3	45	0	SW	5	rmq	6	0.80	48	38	cpq	cpq	cap-l	0.3						
Newquay ...	29.28	44	38	SSE	5	bc	29.07	-0.1	46	-1	W	7	c	6	0.47	48	42	or-cp	cp	cap-l	0.3						
Scilly (St. Mary's) ...	29.20	46	40	SW	7	cmq	29.10	-0.2	48	-1	W	7	cpm	7	0.48	52	41	bc-m	capm	oqm	1.0						
Jersey (St. Aubin) ...	29.57	44	38	SSW	4	bc	29.33	*	46	+1	SSE	3	orgm	3	0.15	48	43	ogp.	c-bc	bogm	0.2						
Portland Bill ...	29.43	48	40	SSW	6	r	29.13	-0.3	45	-3	SSW	8	r	7	0.54	49	42	cpq	cp-l	cl-bq	*						
Dungeness ...	29.56	47	38	SE	7	cp	29.35	-0.5	45	+2	SSW	6	cp	5	0.05	47	43	cp-c	cp-c	cp	*						
Dover ...	29.61	45	38	S	6	r	29.40	*	44	+7	SSW	6	bc	5	0.05	45	36	cm-bc	cdp-r	re-bc	0.1						
Wick ...	29.52	40	38	SE	2	bc	29.37	-0.6	41	+4	SE	4	o	4	0.01	42	35	cm-c	c-bc	bc-odm	*						
Nairn ...	29.49	33	30	-	0	o	29.27	*	39	+7	SE	1	c	1	0.02	39	28	3x-bc	3x-o	cp	1.0						
Aberdeen ...	29.54	38	35	SE	2	c	29.31	-0.4	42	+11	ESE	6	r	4	0.10	42	30	bz	bz-c	c-or	0.0						
Leith ...	29.49	38	35	ESE	1	c	29.23	-0.4	37	+3	SE	2	c	*	0.04	40	29	b-bc	c	or	*						
North Shields ...	29.50	40	38	SE	3	r	29.27	-0.2	38	+4	S	1	o	5	0.24	41	33	c	c-r	r-o	0.1						
Spurn Head ...	29.47	38	35	SE	6	r	29.28	0.0	40	+4	SE	5	cp	5	0.05	41	34	f-c-o	cmr	cap-cq	*						
Yarmouth ...	29.35	43	38	S	2	r	29.39	-0.5	42	+9	S	4	bc	4	0.08	44	33	bc-o	or	op-bc	0.6						
Clacton-on-Sea ...	29.61	43	38	SE	5	r	29.36	-0.7	43	+7	SSE	4	b	3	0.07	43	35	bc-c	c-or	or-bc	0.0						
Nottingham ...	29.43	43	38	S	5	o	29.23	*	40	+7	SSE	4	c	*	0.05	43	32	cm	or	op-c	0.0						
Bath ...	29.47	44	38	S	3	r	29.13	*	42	+8	S	4	b	*	0.56	47	34	-	-	-	0.0						
London (Kew Obsy.) ...	29.51	43	38	S	4	or	29.27	-0.8	44	+13	SSE	5	o	*	0.16	46	31	cm-or	orq	or-bc	0.0						
Isafjord ...	29.80	25	20	N	9	S	29.81	0.0	21	-8	N	10	S	*	*	*	*	GALES. Duration and Extreme Force on British Coasts.  Malin Head. Extreme in night SSE 8.  Pembroke 7pm to 2am Extreme S 8.  Portland 7pm to 7am Extreme S.W. 8.									
Reykjavik ...	29.44	33	28	N	8	c	29.49	+0.2	28	-6	N	8	o	*	*	*	*										
Vestmanna ...	29.35	38	30	N	5	o	29.39	+0.1	32	-1	N	2	S	1	*	*	*										
Seydisfjord ...	29.46	36	30	E	1	r	29.52	+0.2	31	-3	SW	1	o	*	*	*	*										
Thorshavn ...	29.54	40	38	SE	1	c	29.49	-0.1	41	0	SE	4	c	*	*	*	*										
Haparanda ...	29.91	7	5	N	4	o	29.85	-0.4	1	-4	N	2	b	*	*	9	0	Malin Head. Extreme in night SSE 8.  Pembroke 7pm to 2am Extreme S 8.  Portland 7pm to 7am Extreme S.W. 8.									
Hernösand ...	29.91	19	15	N	2	S	29.99	+0.1	2	-18	N	2	b	*	0.04	21	1										
Stockholm ...	29.80	25	20	NNW	2	o	29.88	+0.4	20	-4	SE	2	bc	*	0.04	25	19										
Wisby ...	29.80	27	20	NNW	4	o	29.84	+0.1	28	-2	E	2	S	*	0.04	30	27										
Karlstad ...	29.87	21	15	-	0	o	29.92	+0.4	20	-1	ENE	2	S	*	Trace	23	18										
Færder (X'laria Fjord) ...	29.84	28	20	NE	1	S	29.87	+0.1	25	-3	N	3	o	*	Trace	28	23										
Bodö ...	29.84	19	15	E	2	b	29.77	-0.1	32	+16	SW	6	c	2	1	32	14										
Christiansund ...	29.86	36	30	-	0	b	29.82	-0.4	38	+6	ESE	2	b	1	-	38	25										
Skudesnaes ...	29.75	35	30	SE	2	b	29.73	-0.1	34	-3	E	4	o	2	-	37	32										
The Scaw (Skagen) ...	29.84	33	30	-	0	o	29.83	0.0	33	0	SSE	2	o	1	-	34	32										
Blaavands Huk ...	29.79	31	28	ESE	2	f	29.66	-0.4	33	+9	ESE	3	f	2	-	33	23										
Cuxhaven ...	29.84	36	30	W	1	o	29.64	-0.6	35	0	SE	2	r	*	0.08	37	34										
The Helder ...	29.75	37	30	SSE	4	o	29.49	-0.2	38	-3	SSE	3	o	2	0.08	43	37										
Brussels ...	29.74	42	38	SSE	4	o	29.54	-0.3	41	+6	SSW	2	o	*	0.08	42	35										
Berlin ...	29.90	37	30	W	2	o	29.81	-0.4	34	+1	S	1	o	*	0.12	39	33										
Frankfurt ...	29.92	37	30	-	0	bc	29.74	-0.4	34	-2	SW	1	r	*	-	43	32										
Munich ...	30.08	30	25	S	2	b	29.89	-0.5	25	-10	S	1	bc	*	Trace	39	25										
C. Gris Nez ...	29.62	43	38	SSE	5	r	29.43	-0.5	40	-3	S	5	bc	4	0.08	46	39										
La Hève ...	29.66	38	35	SW	6	o	29.40	*	39	+1	SW	6	o	5	0.04	48	36										
Brest (St. Mathieu) ...	29.28	47	40	SW	6	o	29.36	0.0	47	-1	WSW	6	o	4	0.16	50	45										
Lorient (Bec Melan) ...																											
Rochefort (Ile d' Aix) ...	29.77	50	45	SW	5	c	29.69	*	46	+1	WSW	8	r	*	0.28	52	43										
Biarritz ...	29.84	53	48	SW	4	c	29.91	*	50	+2	SW	5	o	5	0.08	53	46										
Paris ...	29.78	45	40	S	4	bc	29.62	-0.1	40	+5	SW	4	c	*	0.04	46	35										
Belfort ...	30.01	39	35	-	0	o	29.82	*	36	-1	WSW	6	r	*	0.08	46	35										
Lyons ...	30.00	43	38	S	2	o	29.88	*	39	+4	N	1	o	*	-	47	35										
Nice ...	30.08	45	40	SW	2	o	29.94	-0.8	41	+1	E	3	r	4	0.39	54	41										
Perpignan ...	29.99	47	40	N	2	o	29.95	+0.4	44	+10	NW	2	o	*	-	57	37										
Sanguinaire ...	30.22	52	48	WNW	3	m	30.08	*	52	*	S	5	o	4	-	59	45										
Corunna (8 a.m.) ...	29.81	48	40	W	3	o	29.97	0.0	48	-1	SSW	2	o	6	0.20	50	41										
Lisbon (9 a.m.) ...	30.20	50	45	WNW	2	bc	30.26	+0.4	48	-6	NNW	2	b	6	0.16	57	48										
Gibraltar ...	30.22	52	48	W	2	bc	30.23	*	52	+3	NW	3	o	2	0.10	63	43										
Azores (P. Delgada) ...																											
Azores (Horta) ...	30.39	53	48	W	3	o	30.28	-0.2	55	+5	SW	4	o	3	-	59	50										
Madeira (Funchal) ...	30.23	59	50	NE	3	c	30.24	-0.1	60	+1	NE	3	o	3	0.04	63	48										

\* Information for these columns not usually received.

† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 19<sup>TH</sup> JANUARY.



## GENERAL INFERENCE

The western depression is likely to move slowly in a northerly or northeasterly direction. For the present its influence will continue to be felt over the whole of the United

## WEATHER PROSPECTS.

Kingdom, and the weather will, therefore, remain in a very changeable condition, with gales or strong winds on our western and southern coasts.

## FORECASTS FOR THE 24 HOURS NOON MONDAY

- 0 { Easterly and South Easterly winds, strong in places; cold.  
1 { changeable, some showers.

- 2 { Southerly and South Easterly winds, fresh; cold, changeable,  
3 { some showers.

- 4 { Southerly to South Westerly wind strong and squally, some rain at first, improving temporarily later;  
5 { normal temperature.

## FORECAST DISTRICTS.



## STORM WARNINGS.

The Coasts upon which the Warning signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

North Cone hoisted at 9.35 a.m. today in Districts 6 & 9  
South Cone hoisted at 8.33 a.m. yesterday in Districts 5 & 7-11

## TO NOON TUESDAY.

- 6 {a} South Easterly to Easterly or North Easterly winds, increasing to a gale; cold, squally, showery.  
b { Easterly and South Easterly winds, strong in places; changeable, some showers; normal temperature.  
7 {a} Westerly to North Westerly gales and strong winds, squally, showery; normal temperature.  
b { Same as no. 6.  
8 {a} Same as no. 6.  
b { Same as no. 8.  
9 {a} Same as no. 6.  
b { Same as no. 8.  
10 {a} Same as no. 6.  
b { Same as no. 8.

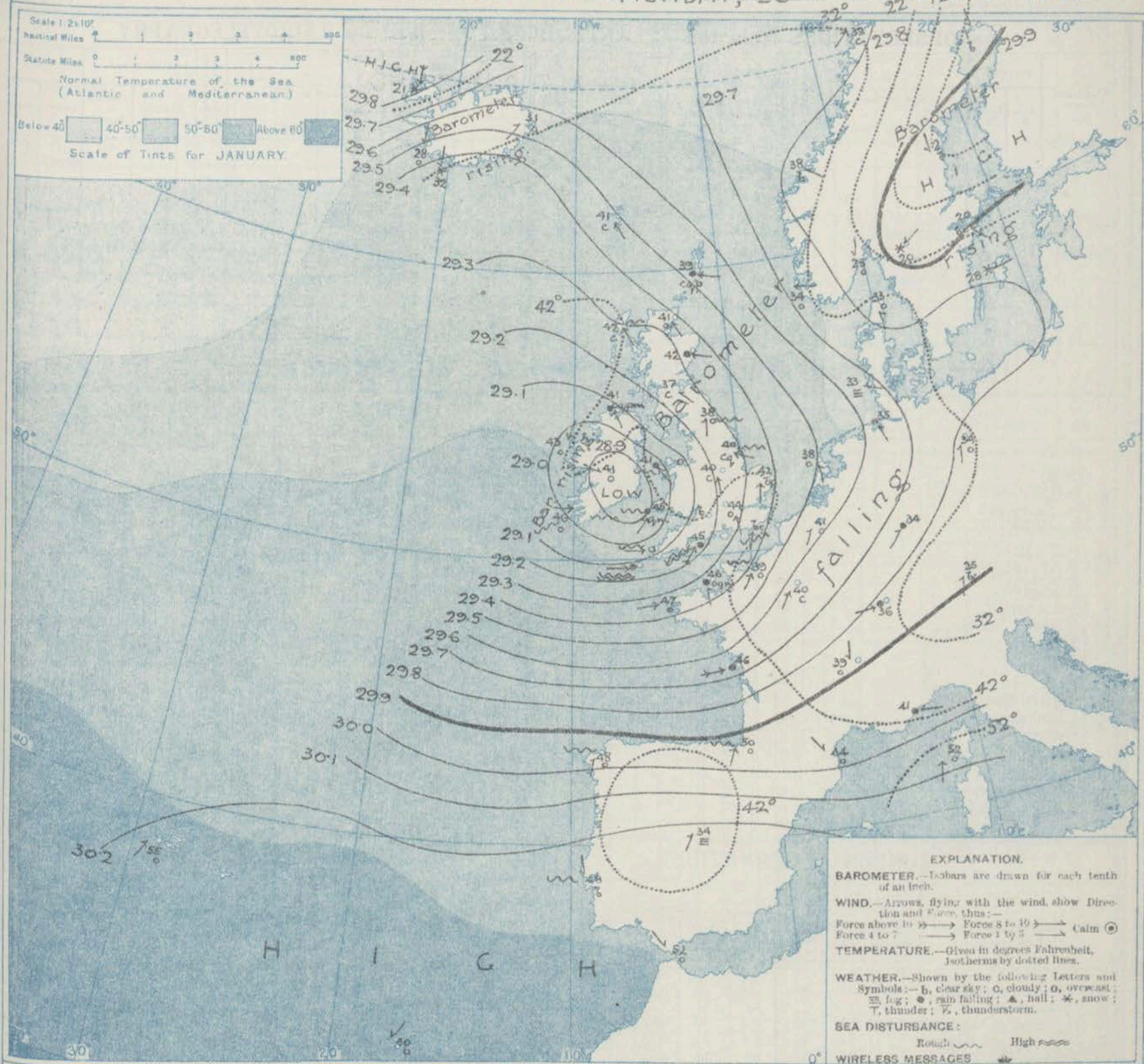
## 11 WESTERN CHANNEL AND BAY.

Strong winds and gales from the Westward, with a rough sea, high Westerly swell; squally, showery, normal temperature.

## THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. MONDAY, 20<sup>TH</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

The centre of a well-marked depression is moving slowly eastward across the south-east of Ireland, and over the Channel, France and the Bay of Biscay the gradient is steep. The highest pressures are found in an area which extends from the Azores region to Central and Southern Spain.

A cyclonic circulation of air prevails over Western Europe generally, and in the Channel and the Bay of Biscay the South-Westerly to Easterly current blows with the force of a gale. In Ireland the wind is northerly, with a gale in the west.

Temperature has risen over Great Britain and France, changed irregularly elsewhere. Over the United Kingdom the readings range from a little above 45° on our extreme south-west coasts to a trifle below 40° in several parts of North Britain. Frost prevails in South Germany, and hard frost over the Gulf of Bothnia. The weather is in a very changeable condition generally, with rain in many parts of these islands and the Continent. Snow is falling in the South of Sweden, and also in Northern Ireland. The sea is high in the Western Channel, and rough or rather rough on nearly all parts of our coasts.



## DAILY WEATHER REPORT.

Monday, 20th January, 1913.

DAIL

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
20th Jan.	49	11	Munneapoliis	O	29.22	+0.05	WNW	8-9	O	19th 6pm.	46° 21'	7° 22'	H.M.S.	-	29.54	-	W	6	C
19th 6pm.	55	10	California	H	28.97	-0.02	E	6-7	O										
	49	10	Minnewaska	H	29.05	+0.05	WSW	8-9	C										

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.		In.					Hr.	England, S.E.		In.					Hr.
{ Oban ...								{ Margate ...		0.04	45	39	op	op r	
{ Stonehaven ...								{ Ramsgate ...		0.01	47	33	*	*	
{ St. Andrews ...								{ Deal ...		0.02	45	33	bc. bc	ogp. od	
{ Carnoustie ...								{ Folkestone ...		0.06	46	35	bc	p	
{ Harrogate ...		0.07	36	31	c. o	om r	0.0	{ Littlestone ...		*	*	*	*	*	
{ Scarborough ...		*						{ Hastings ...		0.02	46	36	bc. o	or	
{ Blackpool ...								{ Bexhill-on-Sea ...		0.03	46	37	c	p	
{ Southport ...		0.06	41	33	o. bc	or	0.0	{ Eastbourne ...		0.02	48	36	o	orq	
{ Buxton ...		?	38	32	o. bc	or. o	0.0	{ Seaford ...							
{ Matlock ...								{ Brighton ...		0.09	47	33	o. c. bc. o	or. o	
{ Douglas ...								{ Worthing ...		0.11	47	32	o	o	
{ Rhyl ...		0.04	43	34			0.2	{ Littlehampton ...		*	*	*	*	*	
{ Colwyn Bay ...		0.06	43	37	bc p	pt. bc. b	0.0	{ Bognor ...							
{ Llandudno ...		0.07	40	37	op	bc. o	0.0	{ Southsea ...		0.18	47	34	o. r	o. r	
{ Bettws-y-Coed ...		*						{ Bournemouth ...		0.10	48	34	or	or	
{ Aberystwyth ...		0.21	46	39	or	o. c	0.3	{ Weymouth ...		0.21	47	41	or	pt. bc	
{ Lowestoft ...								{ Teignmouth ...		0.28	48	36	or	cpq. w	
{ Felixstowe ...		0.07	44	43	m. o	m. o. r	0.0	{ Torquay ...		0.18	49	35	o	cp	
{ Walton-on-Naze ...		0.01	44	40	o. bc	o	0.0	{ Paignton ...							
{ Southend-on-Sea ...		0.03	44	34	bc	bc p	0.0	{ Hfracombe ...		0.32	48	40	or. bc	o. bc	
								{ Weston-super-Mare ...		0.20	46	35	or	r. c	

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.			
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.		
			Max.	Min.		Max.				Min.		Max.						Min.	
	24 HOURS ENDED 9 A.M. TO-DAY.																		
Greenwich (Royal Obs.) ...	92	90	46	36	31	0.16	o	o. or	o. bc. or	o. o	Dublin to 4 p.m.	in. 0.32	45	36	31	b. or g	rg g	or	
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	o. o	Plymouth to 9 p.m.								
Westminster (St. James's Pl.) ...	89	88	47	39	32	0.14	f. y	y	y	o. o	Darwen "								
Camden Sq. (Brit. Rainfall)	-	86	46	37	30	0.13	o	o. or	or. o	o. o	Manchester "	0.03	43	33	*	bc	c. o	op	
Hampstead (Reservoir) ...	*	88	44	38	33	0.14	6.07	or. mv	or	o. o	Birmingham "	0.17	42	32	26	or	or	or. c	
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.									Oxford to 8 p.m.	*	45	34	25	cm	o	r
			Total.		Average Rate.		Max. Rate.				S. Kensington (Museum Grounds to 6 p.m.)	0.12	46	34	21	cm	om. or	or	
S. Kensington (Roof of M.O.)	-	92	169	Joules.	5.5	Milliwatts.	13	Milliwatts.	o. o										

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

20th & 21st Jan 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.53	12.14	4.15
	7.52	12.14	4.16
Greenwich ...	7.56	12.11	4.26
	7.55	12.11	4.27
Wick ...	8.44	12.23	4.3
	8.42	12.23	4.5
Valencia ...	8.39	12.52	5.5
	8.38	12.52	5.6

## NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to 45° and upwards at most of our western and southern stations, but over a large portion north Britain it failed to reach 40°. The amount of bright sunshine was generally very small. Rain was experienced in all districts, and thunderstorms or lightning only occurred at night on our south and south-west coasts. Wireless reports show that as far west as the 15th meridian ships experienced strong cyclonic winds, and changeable, showery weather.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust, haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrapping.

ST  
Spiz  
Lerw  
Storm  
Castl  
Malin  
Black  
Valen  
Roche  
Birr C  
Donag  
Liver  
Holyh  
Pemb  
Newq  
Scilly  
Jersey  
Portla  
Dunge  
Dover  
Wick  
Nairn  
Aberd  
Leith  
North  
Spurn  
Yarmo  
Clacto  
Nottin  
Bath  
Londo  
Isafjor  
Reykja  
Vestm  
Seydis  
Thorsb  
Hapar  
Hernö  
Stockh  
Wisby  
Karls  
Farder  
Bodö  
Christi  
Skudes  
The Sc  
Blaava  
Cuxhav  
The Ha  
Brusse  
Berlin  
Frankf  
Munich  
C. Gris  
La He  
Brest  
Lorien  
Rochef  
Biarrit  
Paris  
Belfort  
Lyons  
Nice  
Perpign  
Sanguin  
Corunn  
Lisbon  
Gibralt  
Azores  
Azores  
Madeira  
\* Info



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Tuesday  
21st January, 1913.

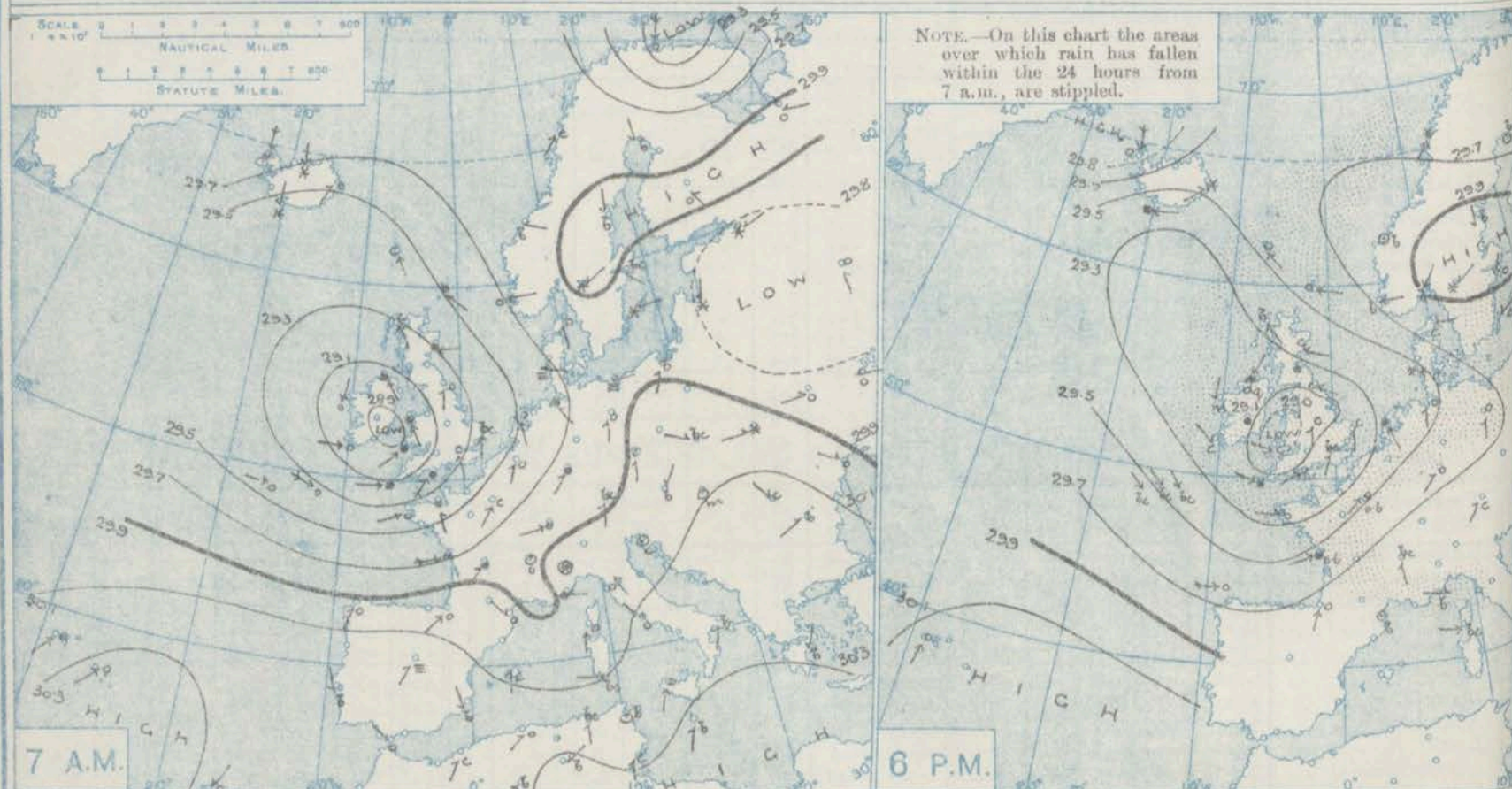
STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.	
	BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.		Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.			
	At 32° Fabr. and M.S.L. Lat. 45°.	Dry Bulb.	Dirac.	Force (0 to 12).			At 32° Fabr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12).					Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.		Night. 6 p.m. to 7 a.m.
Spitzbergen ...	29.92	-21	-	0	b	29.94	-05	-15	+6	S	1	0	2	0.10	43	39	ogm	odgm	cgp	*		
Lerwick ...	In.	39	ESE	5	0	In.	In.	-	-	ESE	3	C	3	0.08	42	36	cp	ogp	c	Hours		
Stornoway ...	29.34	41	SE	6	b	29.72	+05	37	-2	ESE	3	C	3	0.01	42	36	bcap	bcap	bedp	3.0		
Castlebay (Barra Isd.) ...	29.34	41	SE	6	b	29.58	+05	38	-4	ESE	4	bc	4	0.01	43	36	bcap	bcap	bedp			
Malin Head ...	29.17	41	NE	5	omqcd	29.49	+10	41	0	E	3	cp	2	0.10	43	39	ogm	odgm	cgp	*		
Blacksod Point ...	29.20	42	NNE	2	m	29.48	+09	37	-4	NW	1	bc	2	0.06	44	36	om	om	cpm	*		
Valencia ...	29.24	45	NW	3	c	29.58	+08	44	-2	NNW	4	cp	5	0.48	48	41	cpv	c	cp	1.4		
Roche's Point ...	29.13	44	NW	4	og	29.53	*	42	-2	NW	3	0	3	0.02	46	40	og	og	bcop	*		
Birr Castle ...	29.11	40	NW	2	r	29.48	*	39	-2	NW	2	c	*	0.25	43	36	or	or	or.c	0.0		
Donaghadee ...	29.11	42	NE	6	og	29.48	+08	42	-1	NNE	4	bc	4	Trace	43	40	omrg	omrg	og.bcp	*		
Liverpool Obsy. ...	29.00	41	ESE	3	a	29.30	+10	39	0	N	3	0	3	0.07	43	38	od	od	op	0.0		
Holyhead ...	28.98	43	NE	4	0	29.36	+05	44	+3	NE	6	bc	5	0.03	45	41	og	og	c	0.0		
Pembroke (St. Ann's Hd.) ...	28.97	45	WNW	6	c	29.38	+09	43	-2	NW	6	cgm	5	0.24	47	42	orgm	cgp	cgp	0.7		
Newquay ...	29.09	47	WSW	7	c	29.47	+10	45	-1	NW	6	C	6	0.04	48	45	cp	cp	cp	0.8		
Scilly (St. Mary's) ...	29.13	47	WNW	6	cgp	29.47	+08	47	-1	NW	7	cgp	6	0.14	50	43	capp	capp	capp	3.4		
Jersey (St. Aubin) ...	29.25	47	SSW	4	og	29.45	*	46	0	W	6	cg	5	0.35	51	44	omr.bc	og	bc.capp	1.7		
Portland Bill ...	29.12	48	WSW	7	bc	29.32	+11	45	0	WNW	6	c	6	0.17	50	44	capp	capp	bc.capp	*		
Dungeness ...	29.20	48	SW	7	og	29.16	+02	43	-2	WSW	3	c	4	0.20	48	43	org	org	capp	*		
Dover ...	29.23	47	SSW	7	0	29.22	*	42	-2	WNW	2	0	2	0.30	47	39	onap	op.rg	op.r	0.0		
Wick ...	29.38	41	SE	6	0	29.62	+08	40	-1	ESE	4	0	5	0.09	43	37	omr	omr	cpm	*		
Nairn ...	29.33	37	ESE	1	c	29.57	*	36	-3	-	0	0	1	0.02	41	33	gc	zpc	c.o	2.2		
Aberdeen ...	29.35	42	ESE	4	c	29.59	+08	38	-4	E	6	0	4	0.07	43	37	gc.o	c.b.c	c.bop	0.0		
Leith ...	29.26	42	ESE	2	r	29.48	+10	40	+3	NE	3	0	*	0.07	42	37	o.c	c.op	or	*		
North Shields ...	29.17	43	ESE	4	c	29.37	+08	41	+3	ESE	4	r	5	0.11	44	35	c	cp.c	c.r	0.1		
Spurn Head ...	29.09	42	SE	3	c	29.20	+02	40	0	SE	2	om	5	0.29	42	36	og	or	c.cpm	*		
Yarmouth ...	29.18	43	S	3	c	29.18	+02	41	-1	S	2	c	2	0.14	44	40	bc.or	or.c	bc.c	0.0		
Clacton-on-Sea ...	29.18	43	SSW	4	c	29.17	+02	41	-2	-	0	0	0	0.06	44	41	bc.or	o.c	c.capp	0.1		
Nottingham ...	29.08	42	S	2	c	29.23	*	40	0	NW	3	0	*	0.12	43	39	cp.o	op.c	c.or	0.2		
Bath ...	29.09	45	SW	2	b	29.31	*	44	+2	W	2	0	*	0.08	49	42	-	-	-	0.4		
London (Kew Obsy.) ...	29.15	44	SSW	3	bc	29.21	+08	41	-3	W	2	otm	*	0.11	48	39	or.c	bc	bc.cpm	0.9		
Isafjord ...	29.84	22	N	9	0	29.91	-02	26	+5	N	8	c	*	*	*	*	GALES. Duration and Extreme Force on British Coasts.					
Reykjavik ...	29.42	28	N	8	0	29.57	+02	32	+4	NE	6	0	*	*	*	*						
Vestmanna ...	29.38	37	E	6	r	29.58	+04	37	+5	E	5	c	2	*	*	*	Portland Bill 7 a.m. to 4 p.m. Extreme S.S.W. 9. 1 a.m. to 4 a.m. Extreme W. 8.					
Seydisfjord ...	29.59	30	SW	3	s	29.76	+03	31	0	N	1	c	*	*	*	*						
Thorshavn ...	29.51	42	SSE	4	0	29.80	+01	41	0	SE	5	r	*	*	*	*	Dungeness noon to 4 p.m. Extreme S.W. 8.					
Haparanda ...	29.65	1	-	0	b	29.58	-12	10	+9	NW	4	b	*	-	10	-8						
Hernösand ...	29.94	2	N	2	b	29.88	-01	12	+11	-	0	b	*	-	12	1	Dover 8 a.m. to noon Extreme S.S.W. 9.					
Stockholm ...	29.96	20	NNE	4	0	29.96	+01	23	+3	E	2	0	*	Trace	23	18						
Wisby ...	29.87	26	ENE	2	c	29.88	+01	27	-1	SE	2	0	*	0.04	28	23	Scilly 5 a.m. force 8 in squalls.					
Karlstad ...	29.96	21	NE	2	s	29.94	-02	18	-2	ENE	2	0	*	*	21	2						
Færder (X'ania Fjord) ...	29.91	24	NE	6	2	29.88	-00	22	-3	NE	6	0	3	-	27	21	Dover 8 a.m. to noon Extreme S.S.W. 9.					
Bodö ...	29.64	31	SW	7	s	29.61	+01	33	+1	-	0	0	1	?	33	30						
Christiansund ...	29.78	28	-	0	b	29.85	+01	27	-11	-	0	0	1	-	38	25	Dover 8 a.m. to noon Extreme S.S.W. 9.					
Skudesnaes ...	29.74	30	E	6	b	29.75	+02	27	-7	ENE	6	b	2	-	34	27						
The Scaw (Skagen) ...	29.80	27	E	6	c	29.71	-02	27	-6	E	7	s	2	Trace	34	27	Dover 8 a.m. to noon Extreme S.S.W. 9.					
Blaavands Huk ...	29.48	33	ESE	4	s	29.32	-02	33	0	ESE	4	s	3	0.12	33	32						
Cuxhaven ...	29.49	35	S	2	0	29.28	-05	35	0	E	3	ots	*	0.20	37	34	Dover 8 a.m. to noon Extreme S.S.W. 9.					
The Helde ...	29.32	39	SE	4	r	29.20	-01	39	+1	ENE	1	r	1	0.20	43	37						
Brussels ...	29.60	34	S	1	0	29.48	-08	35	+1	S	3	0	*	0.12	39	34	Dover 8 a.m. to noon Extreme S.S.W. 9.					
Berlin ...	29.61	42	SW	3	0	29.30	-10	42	+8	SW	5	0	*	0.39	43	34						
Frankfurt ...	29.83	31	SW	3	c	29.62	-05	29	+4	E	2	0	*	-	36	25	Dover 8 a.m. to noon Extreme S.S.W. 9.					
Munich ...	29.25	46	S	6	c	29.17	+02	45	+5	W	4	0	4	0.28	46	39						
C. Gris Nez ...	29.24	42	WSW	6	0	29.32	*	45	+6	W	6	0	6	0.08	50	41	Dover 8 a.m. to noon Extreme S.S.W. 9.					
La Hève ...	29.25	46	W	2	0	29.60	+07	48	+1	WNW	6	bc	5	0.20	48	45						
Brest (St. Mathieu) ...	29.51	51	WSW	7	r	29.70	*	50	+4	WNW	6	bc	*	0.59	52	45	Dover 8 a.m. to noon Extreme S.S.W. 9.					
Lorient (Bec Melen) ...	29.51	51	WSW	7	r	29.70	*	50	+4	WNW	6	bc	*	0.59	52	45						
Rochefort (Ile d' Aix) ...	29.51	51	WSW	7	r	29.70	*	50	+4	WNW	6	bc	*	0.59	52	45	Dover 8 a.m. to noon Extreme S.S.W. 9.					
Biarritz ...	29.51	51	WSW	7	r	29.70	*	50	+4	WNW	6	bc	*	0.59	52	45						
Paris ...	29.43	46	SSW	4	r	29.39	+08	44	+4	WSW	4	0	*	0.55	49	40	Dover 8 a.m. to noon Extreme S.S.W. 9.					
Belfort ...	29.80	39	WSW	5	0	29.60	*	40	+4	WSW	7	0	*	0.04	44	36						
Lyons ...	29.85	41	SSE	3	bc	29.76	*	45	+6	SW	3	0	*	-	46	39	Dover 8 a.m. to noon Extreme S.S.W. 9.					
Nice ...	29.85	45	W	2	b	29.73	-10	42	+1	NW	3	b	3	0.04	52	41						
Perpignan ...	29.95	45	-	0	b	29.88	+05	43	-1	W	2	c	*	-	59	39	Dover 8 a.m. to noon Extreme S.S.W. 9.					
Sanguinaire ...	29.97	50	W	5	bc	29.92	*	53	+1	SSW	6	0	5	0.12	54	43						
Corunna (S.a.m.) ...	30.25	53	WSW	4	bc	30.29	+03	52	+4	WNW	2	0	6	Trace	57	48	Dover 8 a.m. to noon Extreme S.S.W. 9.					
Lisbon (S.a.m.) ...	30.27	51	NW	3	b	30.28	*	49	-3	NW	3	b	1	-	59	48						
Gibraltar ...	30.27	51	NW	3	b	30.28	*	49	-3	NW	3	b	1	-	59	48	Dover 8 a.m. to noon Extreme S.S.W. 9.					
Azores (P. Delgada) ...	30.15	59	SSW	5	0	29.98	-06	60	+5	S	6											

\* Information for these columns not usually received.

† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 20<sup>TH</sup> JANUARY.



## GENERAL INFERENCE

## WEATHER PROSPECTS.

The depression over our eastern counties will continue to pass away in an easterly direction, and the wind over England will shift temporarily to the North-Westward. A new disturbance

which is advancing eastwards over the Atlantic will probably affect the winds on our own extreme west and south-west coasts in the course of the ensuing twenty-four hours.

### FORECASTS FOR THE 24 HOURS NOON TUESDAY

### TO NOON WEDNESDAY.

- 0 {  
a  
b} Easterly winds, moderate or  
1 { fresh; cold, changeable, some  
2 {  
a showers, snow or sleet locally.  
b  
3 {  
4 {  
a  
b} westerly and North-Westerly  
winds, freshening; changeable,  
5 { some showers, fine intervals;  
rather colder.

### FORECAST DISTRICTS.



### STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

### NORTH CONE.

Hoisted in Districts 6 & 9 at 9.35 a.m. yesterday.

- 6 {  
a  
b} Easterly and North-Easterly  
winds, fresh; fair generally, but  
7 {  
a slight showers locally; cold.  
b  
8 {  
a Strong North-Westerly winds,  
b moderating and backing later, some  
showers at first, then fair;  
moderate temperature.  
9 {  
a Same as Nos. 6 and 7.  
b  
10 {  
a Same as No. 8.  
b

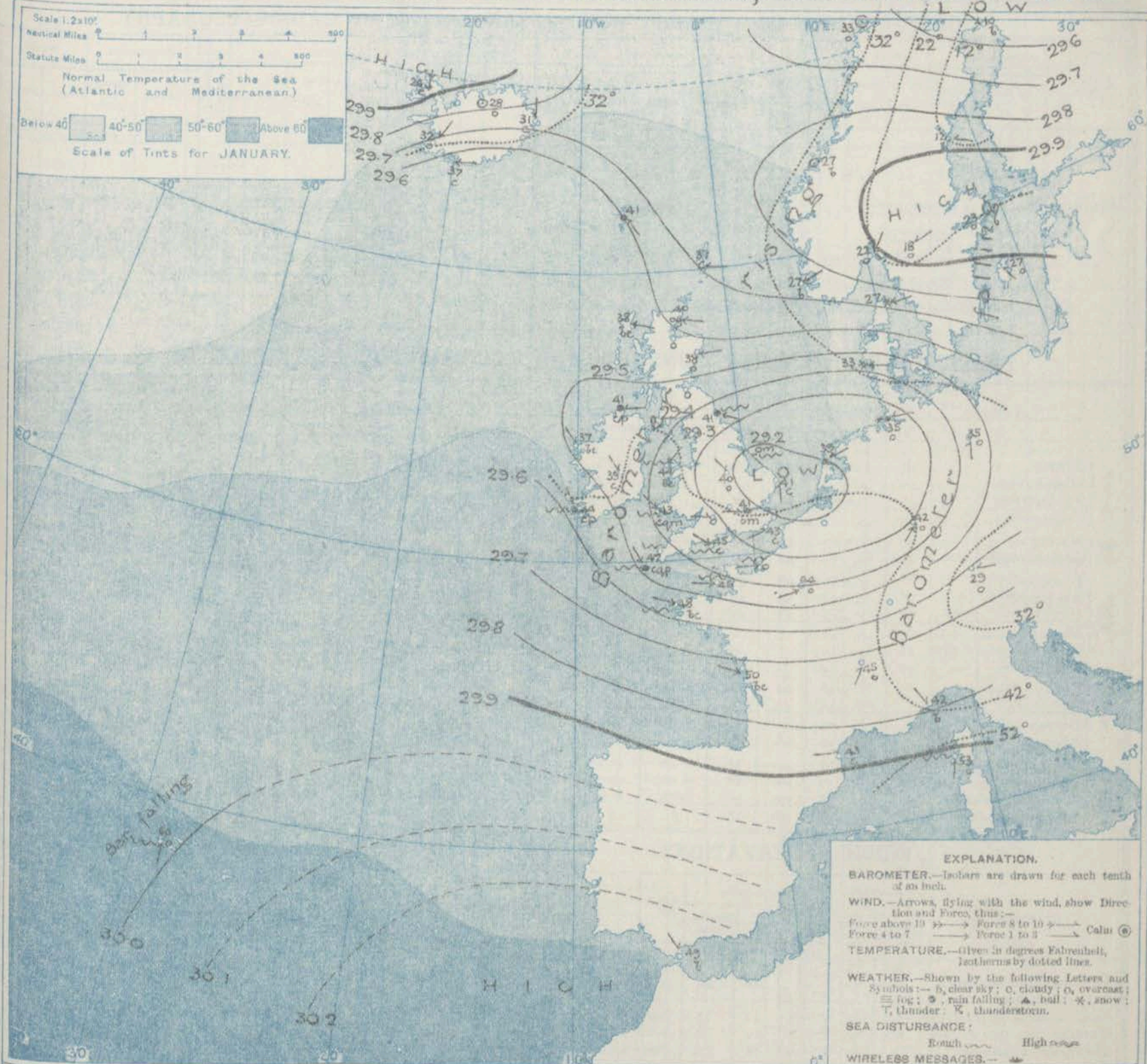
### 11 WESTERN CHANNEL AND BAY.

Strong North-Westerly to Westerly winds, with squally, showery weather and a rough sea; moderate temperature.

### THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. TUESDAY, 21<sup>ST</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

The depression noticed yesterday over the St. George's Channel is now moving eastwards to Holland, and is diminishing in intensity. A decided rise of the barometer is in progress over the United Kingdom, but in Sweden, Denmark and Germany the mercury is falling. A rather brisk fall is reported also in the Azores.

A well marked cyclonic circulation of air still prevails over the whole of Western Europe, and in the English and Bristol Channels the westerly to north-westerly current is strong or high in force. Temperature has fallen slightly in most parts of the United Kingdom,

and more decidedly in Norway, rises elsewhere. Over the United Kingdom the morning readings range from 45° or a trifle above it at most of our south coast stations to 40° and less in Scotland. Frost prevails in Norway and Denmark, and sharp frost over the Gulf of Bothnia. The weather, although fine in a few places is still in a changeable, showery condition generally. Snow is falling in Denmark and North Germany. The sea is rough in the Channel, and rather rough on all the more exposed parts of our coasts.



## DAILY WEATHER REPORT.

Tuesday, 21st January, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
20th 6 p.m.	49	15	Minneapolis	O	29.57	+3.2	NW	6-7	bc	20th 7 a.m.	49	16	Lake Champlain	H	29.36	-0.4	W	4-5	c
" "	49	14	Lapland	O	29.49	+1.5	NW	6-7	bc										
" "	49	11	Lake Champlain	H	29.48	+0.5	NW	6-7	bc										
" "	44	9	H.M.S.	-	29.66	-	W	9	og										
Dry bulb 51°. Wet bulb 51°. Sea Temp 50°. Sea disturbance 8. Barometer rising																			

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	In.	45	38	r.c. bc	bc b	3.7	England, S.E.	Margate	In.	46	40	r	r	0.2
	Stonehaven	0.03	45	38	r.c. bc	bc b	3.7		Ramsgate	0.20	45	40	*	*	0.2
	St. Andrews	0.19	43	36			0.2		Deal	0.48	46	42	or. r	og. od	0.2
	Carnoustie								Folkestone	0.39	47	42	r	r. p	0.2
Eng. N.E.	Harrogate	0.07	38	33	op	op	0.0	England, S.W.	Littlestone	*	*	*	*	*	0.2
	Scarborough	*	42	36	org	org	0.0		Hastings	0.27	48	42	c. or	or. c	0.2
	Blackpool	0.11	43	37	o	r	0.0		Bexhill-on-Sea	0.21	48	43	e. r	p	0.2
	Southport	0.03	43	37	op	op	0.0		Eastbourne	0.25	48	43	og	og. r	0.2
England, N.W.	Buxton	0.12	38	35	c. r. o	c. r. om	0.0	England, S.W.	Seaford	0.36	47	42	r. c	r	0.2
	Matlock								Brighton	0.87	47	42	or. op. b	op. p	0.2
	Douglas								Worthing	0.48	47	43	r. c	b. cl. r	0.2
									Littlehampton	*	*	*	*	*	0.2
Wales.	Rhyl	0.03	43	34			0.0	England, S.W.	Bognor						0.2
	Colwyn Bay	0.02	45	35	o. bc	bc	0.0		Southsea	0.52	48	44	p	rp	0.2
	Llandudno	0.02	43	39	o	o	0.0		Bournemouth	0.80	49	39	e. or	or	0.2
	Bettws y-Coed	*							Weymouth	0.52	50	45	cp	p. bc	0.2
England, E.	Aberystwyth	0.40	46	39	o	o. r	0.2	England, S.W.	Teignmouth	0.54	49	41	bcp	cp. bc	0.2
	Lowestoft	0.21	44	35	c. or	or. c	0.0		Torquay	0.27	48	43	bc	p. c. bc	0.2
	Felixstowe	0.14	44	38	m. or. q	cpm	0.1		Paignton	0.39	49	41	bchp	fp. bc	0.2
	Walton-on-Naze	0.12	44	41	or. q	r. bc	0.0		Ilfracombe	0.46	49	41	o. cp	cp	0.2
England, E.	Southend-on-Sea	0.12	44	38	p	p	0.0		Weston-super-Mare	0.16	47	40	cp. b	p. bc	0.2

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.		
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.	
			Max.	Min.		Max.												Min.
			24 HOURS ENDED 9 A.M. TO-DAY.											In.				°
Greenwich (Royal Obs.) ...	%	%	48	36	29	0.15	rg. c	c	c. o	Hr.	Dublin to 4 p.m.	In.	46	41	39	rg	o. c	p. a. c
City (Rushmill Row) ...	*	*	*	*	*	*	*	*	*	1.6	Plymouth to 9 p.m.	0.38	49	43	39	bey	bey	o
Westminster (St. James's Pk.)	91	99	49	41	32	0.09	r. bc	bc	bc. r. me	0.6	Darwen	0.15	40	34	31	o. u.	r.	or
Camden Sq. (Brit. Rainfall)	84	93	48	40	33	0.09	o. or	c	c. or	1.0	Manchester	0.08	44	38	30	o	c	op
Hampstead (Reservoir) ...	*	97	46	38	32	0.09	o. bc	bc	or. m	0.5	Birmingham	0.08	42	36	28	o. r.	r.	r. e
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.							0.1	Oxford to 8 p.m.	*	47	38	33	or. o	op. c	ep. bc
			Total.		Average Rate.		Max. Rate.											
S. Kensington (Roof of M.O.)	88	95	210 Joules.		6.9 Milliwatts.		25 Milliwatts.		0.9	S. Kensington (Museum Grounds to 6 p.m.)	0.09	48	41	32	o. od	or. c. bc	cp. o	

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

21st & 22nd Jan 1913.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	
Yarmouth	7.52	12.4	4.16
	7.51	12.3	4.18
Greenwich	7.55	12.11	4.27
	7.54	12.12	4.29
Wick	8.42	12.23	4.5
	8.40	12.24	4.7
Valencia	8.38	12.52	5.6
	8.37	12.53	5.8

## NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to between 45° and 50° at most of our western and southern stations; at Buxton and Harrogate it did not exceed 38°. The amount of bright sunshine was generally small. Showers fell generally, and thunderstorms occurred on the Sussex coast. Wireless reports show that as far west as the 16th meridian ships experienced strong to high winds from the Westward and North Westward, with fair weather.

NOTE.—The information relating to weather is indicated by the following letters—b, blue sky; bc, sky half clouded; c, sky three parts clouded; d, drizzling 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; s, snow; t, thunder; u, ugly, threatening sky; v, visibility, unusual transparency; w, dew; x, hoar frost; z, dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrapping.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Wednesday  
22nd January, 1913.

STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.*	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.						
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Direc.	Force (0 to 12).			At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Direc.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night 6 p.m. to 7 a.m.					
																				Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	
Spitzbergen...	In.						In.	In.							In.						Hours			
Lerwick ...	29.88	33	E	2	b		29.94	-0.1	35	-2	SSE	2	b	1	-	37	31	bc b	b	bx. b	*			
Stornoway ...	29.81	39	S	2	by		29.90	-0.1	41	+3	S	6	bc	5	-	43	33	b	b3	b6c9	3.9			
Castlebay (Barra Isd.)	29.84	40	ENE	2	o		29.91	0.0	43		SSE	4	o	5	0.27	45	39	bx. b	b-op	op bco	4.0			
Malin Head...	29.81	38	SE	2	bm		29.87	-0.5	37	-4	S	4	bcm	3	-	44	34	bc	bcmx	bcmx	*			
Blacksod Point ...	29.77	42	S	2	b		29.83	-0.5	40	+3	SSE	2	o	3	-	45	36	cm	bc	bcm	*			
Valencia ...	29.85	45	WNW	1	cp		29.81	-0.5	47	+3	SE	5	r	5	0.46	49	40	cm	cp	mr	0.4			
Roches Point ...	29.86	45	N	2	c		29.93	*	45	+3	SE	4	r	5	0.23	47	38	op bc	bc. c	bm or	*			
Birr Castle ...	29.82	36	NW	1	f		29.90	*	40	+1	SE	2	o	*	-	43	31	c	cf	c. o	3.0			
Donaghadee ...	29.85	41	ENE	1	b		30.00	-0.1	39	-3	SSE	1	bc	1	-	43	36	bc	bc	bc	*			
Liverpool Obsy. ...	29.80	38	N	2	b		30.06	+0.2	32	-7	ESE	1	c	1	-	42	31	bm	bc	bx	3.6			
Holyhead ...	29.81	42	MNE	6	bc		30.01	0.0	34	-10	E	3	m	2	-	44	34	c	bc	oz	*			
Pembroke (St. Ann's Hd.)	29.81	42	N	2	c		30.01	-0.2	42	-1	E	2	og	3	Trace	46	39	egm	cp	c	1.6			
Newquay ...	29.76	45	WNW	5	bc		30.03	0.0	41	-4	S	1	of	3	0.04	47	36	bc	bc	bc-or	2.8			
Scilly (St. Mary's) ...	29.85	47	NW	5	cp		29.99	0.0	45	-2	SSE	4	otm	5	0.27	50	43	bc	cp	c	3.1			
Jersey (St. Aubin) ...	29.76	47	WNW	5	cm		30.11	*	37	-9	WNW	2	cm	2	-	51	35	bc-eg	cg	bcmx	4.3			
Portland Bill ...	29.74	45	NW	4	c		30.05	+0.5	41	-4	E	2	bc	4	-	48	36	c	c	z. bc	*			
Dungeness ...	29.57	42	WNW	4	d		30.03	+0.8	32	-11	NW	2	bcx	2	-	43	32	og	od	bcx	*			
Dover ...	29.58	41	NW	6	c		30.06	*	33	-9	NW	1	o	4	0.05	42	32	ocf	bc-oc	c-bex	0.1			
Wick ...	29.86	37	SE	3	bc		29.95	+0.1	37	-3	SE	3	c	4	-	40	36	o-c bc	bc	bc. c	*			
Nairn ...	29.85	31	-	0	b		29.95	*	24	-12	-	0	b	1	-	38	23	c.	z. b.	b	0.0			
Aberdeen ...	29.88	36	ENE	3	c		30.02	0.0	29	-9	-	0	b	4	0.07	38	28	ocf sp	chp	chp b	0.1			
Leith ...	29.86	37	NE	2	r		30.02	+0.3	32	-8	NE	1	cz	*	0.02	41	32	og. c	o-cp	c	*			
North Shields ...	29.76	38	MNE	3	c		30.07	+0.2	31	-10	WNW	2	c	6	0.11	42	30	o. p	o-rpc	c	0.0			
Spurn Head ...	29.64	40	N	6	c		30.02	+0.3	37	-3	NW	5	ecg	6	0.09	41	36	cg	cap	b-ogho	*			
Yarmouth ...	29.49	41	NW	3	c		29.98	+1.2	39	-2	NNW	3	c	3	0.06	44	38	c. o	o-c.	op. c	0.0			
Clacton-on-Sea ...	29.55	41	WNW	3	o		30.03	+0.8	33	-8	NW	3	bc	2	0.03	43	33	ogp c	coogp	o-c. bc	0.0			
Nottingham...	29.72	40	N	4	o		30.06	*	31	-9	SW	2	bm	*	0.03	41	30	or	op	o-c. b	0.0			
Bath ...	29.78	43	NW	2	o		30.10	*	30	-14	ESE	1	o	*	-	46	29	-	-	-	0.4			
London (Kew Obsy) ...	29.69	41	NW	4	o		30.09	+0.8	33	-8	NW	1	bcmx	*	0.02	43	32	omly	ond o	o-c. bx	0.0			
Isafjord...	30.01	26	N	9	c		30.21	+0.5	22	-4	N	9	o	*	*	*	*	*	*	*	*			
Reykjavik ...	29.72	27	-	0	b		29.81	0.0	22	-10	-	0	b	*	*	*	*	*	*	*	*			
Vestmanna ...	29.68	32	-	0	bc		29.81	+0.2	33	-4	NW	1	o	*	*	*	*	*	*	*	*			
Seydisfjord ...	29.88	29	N	2	c		29.93	+0.1	31	0	NE	3	r	*	*	*	*	*	*	*	*			
Thorshavn ...	29.72	41	SSE	3	o		29.71	-0.1	42	+1	S	2	c	*	*	*	*	*	*	*	*			
Haparanda ...	29.85	5	N	2	o		29.90	0.0	6	-4	N	2	b	*	0.08	10	-2	*	*	*	*			
Hernösand ...	29.92	4.	-	0	b		29.97	+0.1	0	-12	-	0	b	*	-	16	-2	*	*	*	*			
Stockholm ...	30.02	24	ENE	2	o		30.03	0.0	15	-8	NE	2	b	*	-	27	12	*	*	*	*			
Wisby ...	29.91	25	E	4	o		29.93	+0.1	25	-2	E	2	b	*	-	28	19	*	*	*	*			
Karlstad ...	30.00	21	ENE	4	o		30.04	0.0	17	-1	NNE	2	o	*	-	21	16	*	*	*	*			
Färder (X'landa Fjord)	29.93	23	N	6	o		30.02	+0.1	18	-4	NNW	6	c	3	?	23	18	*	*	*	*			
Bodö ...	29.71	26	E	4	b		29.73	+0.1	21	-12	E	2	b	2	?	33	19	*	*	*	*			
Christiansund ...	29.92	27	-	0	b		29.98	+0.1	30	+3	S	1	b	1	-	30	21	*	*	*	*			
Skudesnaes ..	29.88	32	E	4	o		30.03	+0.1	29	+2	E	2	c	2	-	32	27	*	*	*	*			
The Scaw (Skagen)...	29.79	32	E	8	o		29.92	+0.3	28	+1	E	5	o	1	Trace	32	27	*	*	*	*			
Blaavands Hak ...	29.52	33	NE	5	o		29.83	+0.7	29	-4	NE	5	o	3	0.08	34	28	*	*	*	*			
Cuxhaven ...	29.29	33	NE	3	S		29.65	+1.0	33	-2	N	4	o	*	0.28	36	32	*	*	*	*			
The Helder ...	29.46	40	NNW	4	o		29.88	+1.2	39	0	N	4	o	2	0.20	41	37	*	*	*	*			
Brussels ...	29.53	41	NW	3	o		29.92	+1.1	37	0	WNW	1	o	*	0.20	43	37	*	*	*	*			
Berlin ...	29.39	37	S	2	c		29.50	+0.4	35	0	S	1	o	*	0.08	39	34	*	*	*	*			
Frankfurt ...	29.48	40	W	4	o		29.75	+0.8	40	-2	W	3	o	*	-	45	39	*	*	*	*			
Munich ...	29.63	37	SW	4	c		29.81	+0.2	36	+7	SW	5	o	*	0.04	43	38	*	*	*	*			
C. Gris Nez...	29.58	43	NNW	6	o		30.03	+0.8	37	-8	NNW	5	bc	5	-	46	36	*	*	*	*			
La Hève ...	29.54	43	N	6	r		30.07	*	38	-7	NNW	3	o	4	0.16	48	34	*	*	*	*			
Brest (St. Mathieu) ...	29.91	48	WNW	5	bc		30.12	+0.2	46	-2	ESE	1	r	3	0.04	50	46	*	*	*	*			
Lorient (Bec Melen)...	29.90	49	NW	6	b		30.09	*	46	-2	SW	1	r	3	0.24	52	43	*	*	*	*			
Rochefort (Ile d' Aix)	29.95	48	NW	4	c		30.17	*	47	-3	NW	3	o	*	0.08	52	46	*	*	*	*			
Biarritz ...	30.08	54	WSW	5	o		30.25	*	54	+2	W	3	o	4	0.08	54	50	*	*	*	*			
Paris ...	29.64	44	WNW	3	o		30.07	+0.6	39	-5	WNW	2	o	*	0.12	46	38	*	*	*	*			
Belfort ...	29.66	37	WSW	6	o		30.00	*	35	-5	WSW	6	r	*	0.20	41	33	*	*	*	*			
Lyons ...	29.84	42	SW	1	o		30.15	*	41	-4	NW	3	c	*	0.08	48	39	*	*	*	*			
Nice ...	29.75	46	NW	5	b		29.86	+0.6	45	+3	N	5	b	4	-	55	42	*	*	*	*			
Perpignan ...	29.99	51	NW	3	b		30.17	+0.6	48	+5	NE	1	o	*	-	57	43	*	*	*	*			
Sanguinaire ...	29.91	51	W	7	bc		29.91	*	50	-3	WNW	7	bc	7	-	55	43	*	*	*	*			
Corunna (S. a. m.) ...	30.17	54	WSW	3	o		30.36	0.0	53	+1	SW	3	o	5	-	55	45	*	*	*	*			
Lisboa (S. a. m.) ...	30.34	53	N	3	b		30.36	+0.1	43	-10														

## GALES.

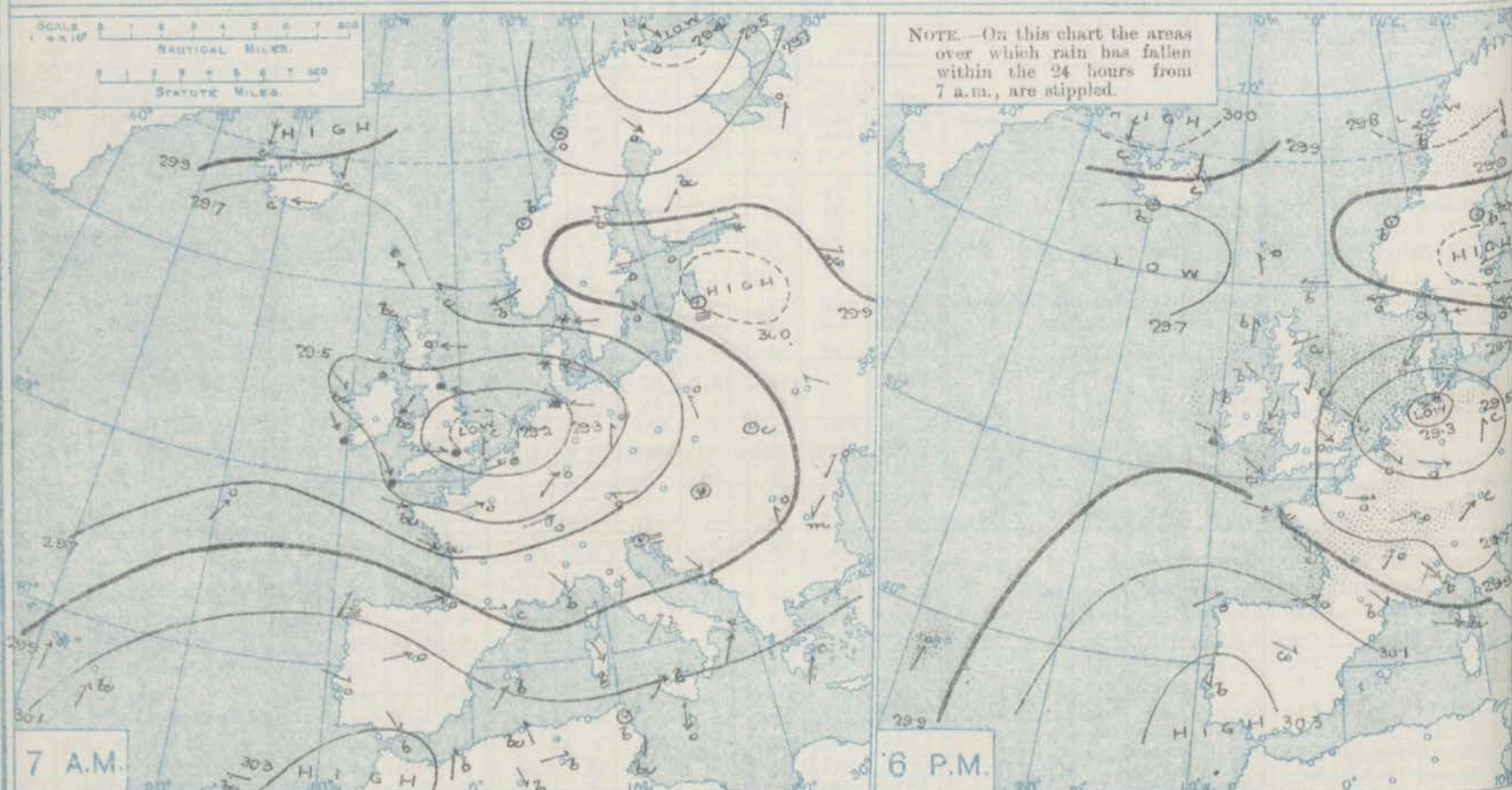
Duration and Extreme Force  
on British Coasts.

\* Information for these columns not usually received.

† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 21<sup>ST</sup> JANUARY.



## GENERAL INFERENCE

The Atlantic depression is likely to spread eastward, and to occasion a renewal of unsettled weather over the entire Kingdom. On

## WEATHER PROSPECTS.

our southwest coasts the S.E. wind will probably increase to the force of a gale.

### FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

0 {  
a S. and S.E. winds, increasing in strength; fair to-day, some snow or sleet to-morrow; cold.  
b

1 {  
a Variable breezes, finally S.E.;  
b fair to-day, some snow to-morrow; remaining cold.

2 {  
a  
b

3 {  
a Variable breezes, and fair, cold  
b weather, fog or mist in places; followed by E. or S.E. winds, and some sleet or cold rain; temperature remaining below the normal.

### FORECAST DISTRICTS.



### STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Coast.	South Coast.
North Coast.	North Coast.

South Coast hoisted at 9.20 a.m.

6 {  
a S.E. winds, freshening; fair at  
b first, some snow or sleet later; remaining cold.

7 {  
a  
b

8 {  
a S.E. winds, increasing in force;  
b dull, rainy, sleet or snow in places; normal temperature.

9 {  
a  
b

Same as Nos. 6 & 7.

10 {  
a  
b

Same as No. 8.

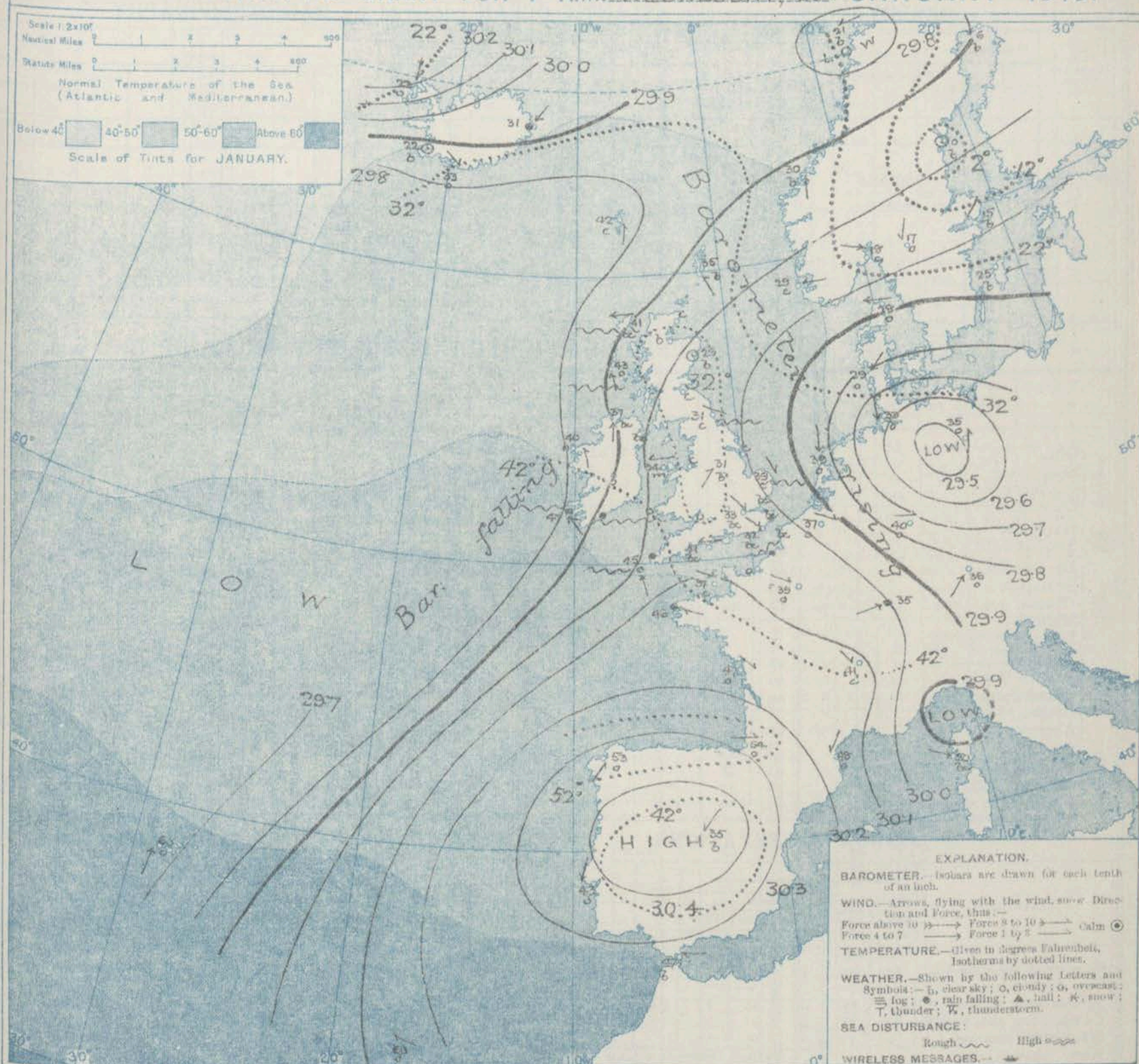
### 11 WESTERN CHANNEL AND BAY.

Strong S. and S.E. winds and a rough sea; dull, unsettled, some rain; normal temperature.

### THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. WEDNESDAY, 22<sup>ND</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

The depression which lay yesterday over the east of England is now passing away across North Germany, but another disturbance is approaching from the Atlantic, and is causing a fall of the barometer on the Irish coast.

Over the east of Great Britain and the western portions of the Continent the wind circulates round the German depression, and is light to fresh in force. On our western coast it has shifted to the Eastward or South-Eastward in the front of the new disturbance. Temperatures

has fallen decidedly over Great Britain and France, and frost now prevails in our own northern and central districts, the lowest temperature being 24° at Naim. Frost is also reported in Iceland, and hard frost in Sweden. The weather is fine in all the more northern and eastern parts of the United Kingdom, and also in Scandinavia. Elsewhere the sky is cloudy or overcast, with rain on our south-west coasts, and in Brittany. The sea is rough off the east of England, and rather rough off the Hebrides and the south of Ireland.



## DAILY WEATHER REPORT.

Wednesday, 22nd Jan., 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
21st 1 p.m.	50	12	Lake Erie	O	29.80	+0.04	NW	4-5	0						In.	In.		(0-12).	
7 a.m.	48	19	Lapland.	O	29.74	-0.03	SW	6-7	0						In.	In.		(0-12).	

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	...	45	33	c.b.c.b	b.b.c	3.7	England, S.E.	Margate	...	46	39	r.o	o	...
	Stonehaven	...	...	...	...	...	...		Ramsgate	...	46	38	*	*	...
	St. Andrews	...	...	...	...	...	...		Deal	...	43	37	r.ogp	od	...
	Carnoustie	...	...	...	...	...	...		Folkestone	...	43	40	p.b.c	o	...
England, N.E.	Harrogate	...	38	35	op	o.c	0.0	England, S.W.	Littlestone	...	41	38	*	*	...
	Scarborough	...	41	36	ogf	ogf	0.0		Hastings	...	48	41	b.c.op	o	...
England, N.W.	Blackpool	...	43	37	c.b	c	3.6	England, S.E.	Bexhill-on-Sea	...	43	42	gpm	gpm	...
	Southport	...	44	38	op.b.c	b.c.b	4.8		Eastbourne	...	46	42	o.b.c	b.c.o	...
	Buxton	...	38	34	c.otm	c.r	0.0		Seaford	...	47	41	o	o	...
	Matlock	...	...	...	...	...	...		Brighton	...	44	42	o	o	...
Wales.	Douglas	...	...	...	...	...	...	England, S.W.	Worthing	...	44	42	o	o	...
	Rhyl	...	43	40	...	...	2.9		Littlehampton	...	...	...	...	...	...
	Colwyn Bay	...	44	40	b.c	b.c	1.6		Bognor	...	...	...	...	...	...
	Llandudno	...	44	39	c.b	c	2.1		Southsea	...	46	42	o.c	o.c	...
England, E.	Bettws-y-Coed	...	...	...	...	...	...	England, S.W.	Bournemouth	...	47	42	c.b.c	c.o.b	...
	Aberystwyth	...	45	43	r.o.c	c.b.c	4.0		Weymouth	...	47	40	c	b.c	...
	Lowestoft	...	43	36	o.c	c.op	0.1		Teignmouth	...	47	43	b.c	b.c.b	...
	Felixstowe	...	42	38	m.o	opg	0.0		Torquay	...	48	42	b.c	b.c	...
England, E.	Walton-on-Naze	...	42	39	or	b.c.r.o	0.0	England, S.W.	Paignton	...	48	41	b.c.c	b.c	...
	Southend-on-Sea	...	42	40	r.b.c	b.c.o	0.1		Ilfracombe	...	47	44	og.c.b.c	b.b.c.c	...
									Weston-super-Mare	...	46	41	b	b.c.b	...

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.		
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				Max.	Min.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.
			Max.	Min.														
			24 HOURS ENDED 9 A.M. TO-DAY.															
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																		
Total.			Average Rate.			Max. Rate.												
Greenwich (Royal Obs.) ...	89	94	42	32	25	-	od	od	od.bx	0.0	Dublin to 4 p.m.	0.10	43	39	37	lp.c	m.c.b	bc
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	0.0	Plymouth to 9 p.m.							
Westminster (St. James's Pk.)	85	89	44	33	31	0.01	m	mc	m.xm	0.0	Darwen "	0.03	39	34	35	org	bc.	on
Camden Sq. (Brit. Rainfall)	86	88	43	31	26	-	o	o	c.bm	0.0	Manchester "	-	42	38	37	o	o.c	c.bc
Hampstead (Reservoir) ...	*	86	40	29	22	-	od	od	bx bm	0.0	Birmingham "	0.09	40	36	26	r	p.c	b
Kew. (See front page.)											Oxford to 8 p.m.	*	42	39	34	bcm ogp	og	ogm
S. Kensington (Museum Grounds to 6 p.m.)																		
												0.04	45	41	31	or.o	o.d.o	o.d.o
S. Kensington (Roof of M.O.)	85	93	84.6	Joules.	3.3	Milliwatts.	7.5	Milliwatts.		0.0								

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

22 & 23 Jan. 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	7.51	12.5	4.18
	7.50	12.5	4.20
Greenwich	7.54	12.12	4.29
	7.53	12.12	4.31
Wick	8.40	12.24	4.7
	8.39	12.24	4.9
Valencia	8.37	12.53	5.8
	8.36	12.53	5.10

## NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to between 45° and 50° at most of our western and southern stations; in several parts of North Britain it failed to reach 40°. Sharp frost occurred in most districts at night. Scarcely any bright sunshine was recorded in the east and southeast of England, but on our western coasts the amount was considerable. Showers of sleet and hail were experienced in the north and east. A wireless report showed that beyond the 18th meridian ships were experiencing strong to high S.W. winds and dull weather.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. low frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrapping.



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Thursday,  
23rd January, 1913.

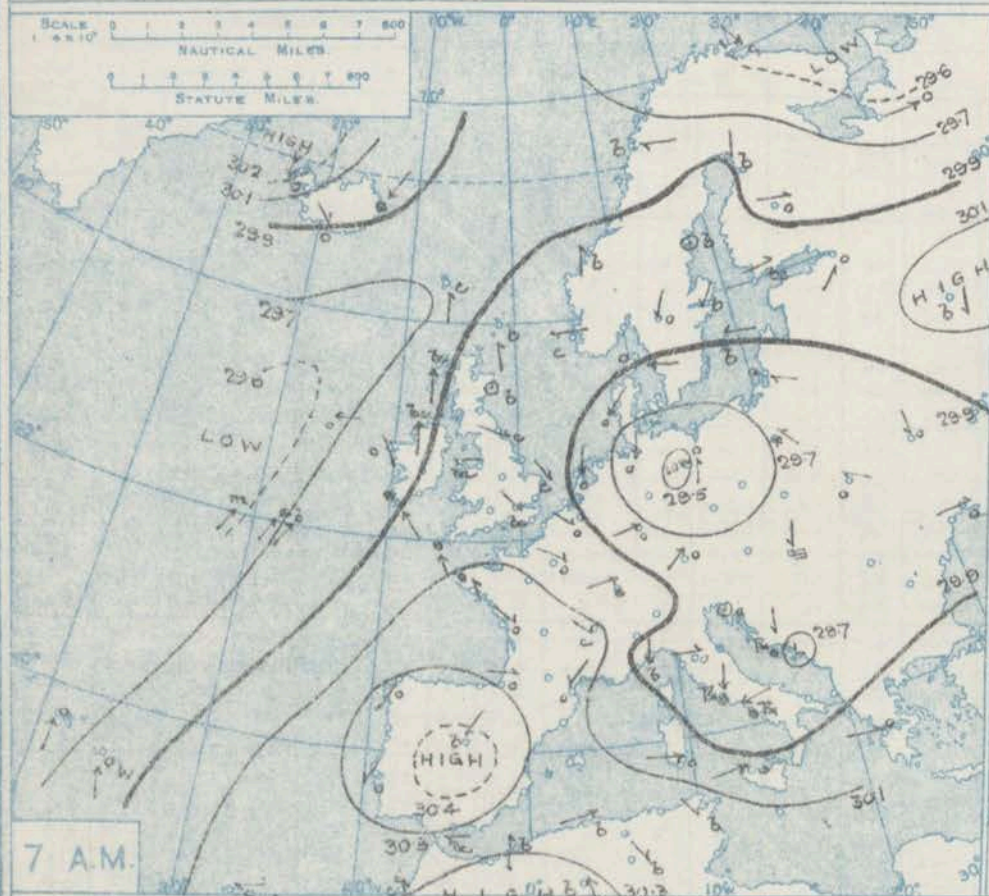
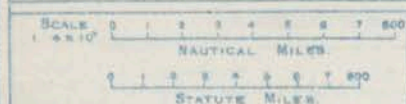
STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fell.	TEMP.		WEATHER.			
	At 32° Fahr. and M.S.L. Lat. 46°.	Dry Bulb.	Dirac.	Force (0 to 12).			At 32° Fahr. and M.S.L. Lat. 46°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dirac.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.		
Spitzbergen ...	30.07	-22	-	0	b	30.18	+0.4	-29	-	0	b	*	-	-22	-29	*	*	*	*	Hours	
Lerwick ...	29.86	39	S	3	bc	29.67	-0.4	40	+5	S	4	c	3	-	40	34	b	bc	c	1.3	
Stornoway ...	29.77	42	S	6	o	29.65	-0.0	37	-4	W	2	b	2	-	42	35	bc.eg	c.eg	o.eg	0.0	
Castlebay (Barra Isd.) ...	29.71	38	SE	5	r	29.63	-0.0	39	-4	NNW	3	b	4	0.09	43	36	op	op	op	0.0	
Malin Head ...	29.51	40	S	6	omq	29.61	+0.3	44	+7	NW	3	om	3	0.10	46	35	om	om	om	*	
Blacksod Point ...	29.60	50	SSW	6	m	29.66	-0.0	46	+6	W	2	m	2	0.72	50	40	odqm	odqm	odm	*	
Valencia ...	29.82	52	SW	5	p	29.82	-0.1	51	+4	SW	5	om	5	0.33	53	46	om	om	om	0.0	
Roche's Point ...	29.83	52	WSW	5	o	29.85	-	51	+6	W	4	o	5	0.11	52	45	d	o	od. o	*	
Birr Castle ...	29.72	51	W	4	r	29.69	-	50	+10	SW	6	r	*	0.68	51	39	or	or	or	0.0	
Donaghadee ...	29.76	40	SE	4	tm	29.62	-0.1	45	+6	WSW	2	c	2	0.35	48	39	or	om	om.eg	*	
Liverpool Obsy. ...	29.89	33	ESE	5	S	29.70	-0.2	46	+14	WSW	4	r	3	0.30	48	31	om	os	ors	0.0	
Holyhead ...	29.74	43	S	5	r	29.70	-0.1	49	+15	SW	4	r	3	0.43	49	33	op	or	opm	*	
Pembroke (St. Ann's Hd.)	29.82	50	WNW	5	r	29.84	-0.2	50	+8	WSW	7	om	6	0.61	50	42	og	om	om	0.0	
Newquay ...	29.97	50	SW	4	o	29.99	-0.0	49	+8	W	5	c	4	0.17	50	41	or	or. o	c	0.0	
Scilly (St. Mary's) ...	29.98	51	W	6	om	29.94	-0.1	50	+5	W	6	bc	6	0.20	51	44	om	om	bf	0.0	
Jersey (St. Aubin) ...	30.08	48	WSW	3	omdp	30.09	-	50	+13	WSW	5	bc	4	0.07	52	37	omdp	omdp	om. bc	0.0	
Portland Bill ...	29.96	48	S	4	r	29.95	+0.1	50	+9	W	5	c	5	0.17	51	40	cp	rg	op. c	*	
Dungeness ...	30.08	41	SW	2	o	29.83	-0.3	48	+16	SW	5	od	4	0.25	48	30	bc	og	orcp. o	*	
Dover ...	30.13	39	SSW	1	o	29.86	-	48	+15	SW	4	o	4	0.20	48	32	bc	bc. o	of. bc. o	0.0	
Wick ...	29.84	37	S	3	bc	29.61	-0.4	39	+2	S	2	o*	3	-	39	36	c. bc	bc	bc. om	*	
Nairn ...	29.84	30	-	0	c	29.89	-	30	+6	-	0	c	1	-	38	23	by	g. c	cg. 3	2.3	
Aberdeen ...	29.93	37	S	3	c	29.55	-0.7	36	+7	W	2	o	4	0.14	38	28	by	bc. c	c. or	2.3	
Leith ...	29.91	34	SSE	2	c	29.57	-0.2	34	+2	WSW	2	od	*	0.13	36	28	f. c	o. c	o. s	*	
North Shields ...	29.97	36	SSE	3	o	29.59	-0.2	36	+5	SSE	3	o	4	0.09	37	21	-	-	o. 3	0.0	
Spurn Head ...	30.03	38	SSE	2	o	29.69	-0.3	40	+3	SSW	5	or	6	0.09	40	34	cm	om	or. f	*	
Yarmouth ...	30.11	38	W	1	o	29.78	-0.1	40	+1	S	2	r	2	0.10	41	35	cp. bc	bc. of	of. r	1.3	
Clacton-on-Sea ...	30.10	37	WSW	1	o	29.80	-0.3	42	+9	SW	2	r	1	0.26	42	32	bc	bc. om	om. bc	2.8	
Nottingham ...	30.02	34	SSE	4	S	29.74	-	38	+7	WSW	1	om	*	0.26	38	29	bc. om	om. s	o. o	0.0	
Bath ...	29.97	39	SSE	6	r	29.90	-	49	+19	W	7	r	*	0.45	51	30	o	or	-	0.0	
London (Kew Obsy.) ...	30.09	35	S	2	om. s	29.84	-0.2	50	+17	WSW	5	o	*	0.38	50	32	bc. om	om. s	om. s	0.0	
Isafjord ...	30.20	21	N	9	o	30.20	+0.2	19	-3	N	9	o	*	*	*	*	GALES. Duration and Extreme Force on British Coasts.				
Reykjavik ...	29.85	31	-	0	b	29.97	+0.4	24	+2	N	3	b	*	*	*	*					
Vestmanna ...	29.88	34	SE	3	o	29.98	+0.1	23	-10	NE	4	b	1	*	*	*					
Seydisfjord ...	30.09	25	NE	4	S	30.14	+0.1	23	-8	NE	3	o	*	*	*	*					
Thorshavn ...	29.70	36	NW	4	c	29.69	+0.1	34	-8	NNE	2	c	*	*	*	*					
Haparanda ...	30.02	-1	NW	2	b	30.04	-0.1	-1	-7	E	2	o	*	-	9	-2					
Hernösand ...	30.02	7	SW	2	b	29.96	-0.2	1	+1	-	0	b	*	-	16	-2					
Stockholm ...	30.08	11	ENE	2	b	30.02	-0.1	5	-10	NNW	2	bc	*	-	25	5					
Wisby ...	29.96	25	ENE	2	b	29.97	-0.1	25	0	E	2	c	*	-	28	19					
Karlstad ...	30.12	3	N	2	o	30.05	-0.4	6	-11	N	2	o	*	-	18	1					
Færder (X'ania Fjord)	30.09	17	NE	4	b	30.02	-0.2	16	-2	NE	2	f	1	-	19	16					
Bodö ...	29.82	21	E	4	S	29.75	-0.6	20	-1	E	4	o	1	?	21	14					
Christiansund ...	29.94	32	S	1	b	29.78	-	36	+6	WSW	1	c	2	-	36	28					
Skudesnaes ...	30.08	31	-	0	b	29.91	-0.5	33	+4	SSE	4	o	4	-	34	28					
The Scaw (Skagen) ...	30.04	27	NE	4	c	29.99	-0.1	26	-2	SE	2	o	o	-	30	26					
Blaavands Huk ...	30.06	30	NE	2	o	29.99	-0.4	24	-5	ESE	1	o	1	-	30	23					
Cuxhaven ...	30.04	31	N	3	o	29.99	-0.3	29	-4	E	2	o	*	-	34	28					
The Helder ...	30.11	36	ESE	1	o	29.89	-0.6	35	-4	SSE	3	m	1	Trace	39	35					
Brussels ...	30.14	38	WSW	1	o	29.89	-0.8	37	0	SSW	1	r	*	0.08	41	34					
Berlin ...	29.83	35	W	4	o	30.00	+0.1	31	-4	SW	4	o	*	0.08	37	31					
Frankfurt ...	30.13	38	SW	2	o	30.06	-0.3	34	-6	SW	3	o	*	0.04	41	34					
Munich ...	30.08	34	W	6	S	30.15	-0.1	31	-5	SW	4	c	*	0.08	36	30					
C. Gris Nez ...	30.12	39	S	3	o	29.88	-0.2	48	+11	W	6	r	5	0.20	48	37					
La Hève ...	30.03	41	SSE	3	r	30.00	-	48	+10	WSW	5	o	5	0.28	46	38					
Brest (St. Mathieu) ...	30.17	51	WSW	3	o	30.17	-0.1	50	+4	WSW	3	c	2	-	54	46					
Lorient (Bec Melan) ...	29.84	52	SW	4	o	30.15	-	52	+6	WSW	4	o	3	0.08	54	43					
Rochefort (Ile d' Aix)	30.25	50	W	3	bc	30.25	-	48	+1	W	3	o	*	0.04	52	46					
Biarritz ...	30.33	54	W	4	o	30.26	-	48	-6	SSE	2	b	2	-	55	46					
Paris ...	30.19	38	S	2	bc	30.03	+0.2	50	+11	W	2	o	*	0.24	50	37					
Belfort ...	30.27	32	W	4	c	30.11	-	32	-3	-	6	r	*	0.28	39	32					
Lyons ...	30.30	41	SSE	1	o	30.26	-	39	-2	S	1	o	*	0.04	44	37					
Nice ...	29.98	48	NW	1	b	30.08	-0.3	41	-4	NW	1	b	2	-	54	39					
Perpignan ...	30.28	52	NW	3	c	30.30	+0.2	43	-5	SW	1	b	*	-	56	41					
Sanguinaire ...	29.99	50	NNW	4	m	30.08	-	47	-3	SE	3	m	4	-	54	43					
Corunna (8 a.m.) ...	30.35	55	SW	2	o	30.24	-0.8	43	-10	SSE	3	bc	2	-	59	37					
Lisbon (8 a.m.) ...	30.26	58	E	1	bc	30.23	-	56	+9	E	2	c	2	-	65	47					
Gibraltar ...	29.54	56	N	4	r	29.54	+0.1	53	-7	NNW	5	r	4	1.14	63	53					
Azores (P. Delgada)																					
Azores (Horta)																					
Madeira (Funchal) ...																					

\* Information for these columns not usually received.

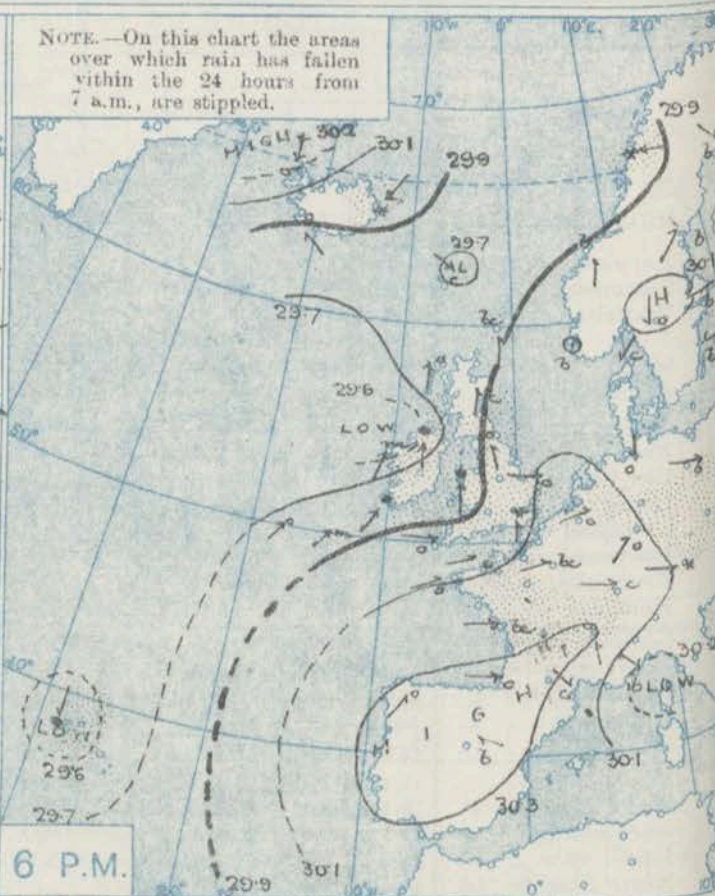
† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 22<sup>nd</sup> JANUARY



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



GENERAL INFERENCE

## WEATHER PROSPECTS.

Further depressions on the Atlantic will probably extend or move over the United Kingdom and its neighbourhood, and a generally unsettled condition of weather is consequently expected to continue.

### FORECASTS FOR THE 24 HOURS NOON THURSDAY

### TO NOON FRIDAY.

0 { Wind mainly between S.E. and E.S., light to fresh; cloudy or dull, some snow; rather cold.

1 { Wind rather variable, mainly between E.S. and S.W., light or moderate; changeable, some rain or snow; temperature rising.

2 { Wind S.W. to E.S., fresh in places; much cloud, some rain; temperature rising.

3 { Wind between E.S. and S.W., fresh or strong in many places; cloudy or dull generally, some rain; mild.

#### FORECAST DISTRICTS.



#### STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

Cones hoisted yesterday morning

6 { Same as No. 1.

7 { Wind between E.S. and S.

8 { moderate to fresh or strong; squally, changeable, some

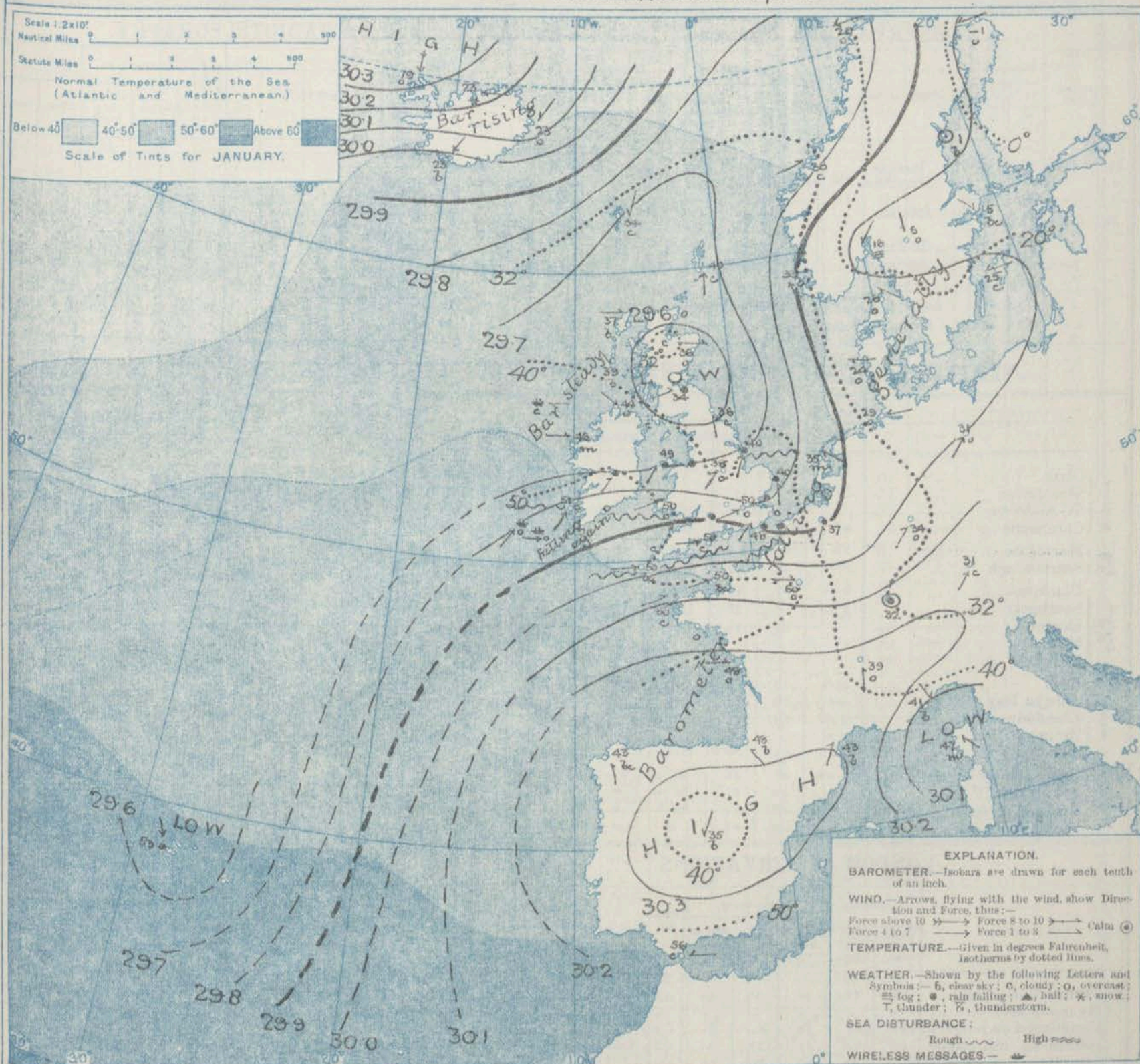
9 { rain and mist; mild.

10 { WESTERN CHANNEL AND BAY. W. to S. winds, fresh or strong; sea rather rough; some rain and mist.

#### THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. THURSDAY, 23<sup>RD</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

A depression has arrived over Scotland from the Atlantic, and the barometer over the greater part of that country is below 29.6 in. Another disturbance of equal or greater depth is shown in the Azores region. Pressure is above 30.2 in. over Spain and the South of France, and also in the north of Iceland.

The wind is westerly to south westerly in most parts of England and Ireland, high at Pembroke and Bath, strong to moderate generally. In Scotland the force is light, and the direction more variable, but between Scotland and Iceland

there is a North Easterly or Easterly current. A strong South Westerly breeze prevails, according to a wireless report, at about 150 miles to the westward of Valencia. Temperature has risen very quickly at most places in Ireland and England and less decidedly in Scotland. Over these islands it ranges from about 50° over a large area in the S.W. to 30° at night. Very severe frost prevails over the greater part of Scandinavia, and at Spitzbergen the thermometer marks -29°F. Rain is falling in various parts of the United Kingdom and also at Brussels and the weather generally is very cloudy or quite overcast.



## DAILY WEATHER REPORT.

Thursday, 23rd January, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward. Inward. H.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward. Inward. H.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
23. 7am	51	12	Saxonia	O	29.77	-0.3	W	6-7	O	22 6pm	55	14	Mongolian	H	29.68	+0.2	E	1-3	C
" "	55	11	Mongolian	H	29.70	+0.2	E	1-3	C										
" "	51	13	Merion	H	29.87	+1.3	SW	6-7	O										
22 6pm	50	17	Merion	H	29.82	+1.8	SW	6-7	O										
" "	50	14	Arabic	H	29.84	+0.3	SW	6-7	m										
" 7am	50	20	Merion	H	29.58	-0.9	SW	4-5	m										
" "	50	18	Arabic	H	29.70	+0.1	SW	6-7	r										
" "	50	18	Lake Erie	O	29.68	0.0	SW	6-7	b										
" "	54	17	Mongolian	H	29.70	-0.2	E	4-5	O										

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.		
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.			
		In.	"	"			Hr.			In.	"	"					
Scotland.	Oban ... ..	...						England, S.E.	Margate ... ..	...	—	40	35			40	
	Stonehaven ... ..	...							Ramsgate ... ..	...	0.01	42	33	*	*	2.5	
	St. Andrews ... ..	...	—	38	32	bc	o c		0.8	Deal ... ..	...	—	40	32	bc, c	bc, om	2.5
	Carnoustie ... ..	...	0.01	35	26	bc, c, o	o		0.0	Folkestone ... ..	...	—	43	33	b	bc	3.4
Eng. N.E.	Harrogate ... ..	...	0.01	35	26	bc, bc	s, c, o	0.0	Littlestone ... ..	...	*	*	*	*	*	2.4	
	Scarborough ... ..	...	"	38	33	c, b	o, c	0.0	Hastings ... ..	...	—	41	31	bc	o	2.4	
England, N.W.	Blackpool ... ..	...	0.05	35	26	q	o, s	0.0	Bexhill-on-Sea ... ..	...	0.02	41	32	bm	b, o, bc, b	0.8	
	Southport ... ..	...	0.05	35	28	bc, o	o, s	0.0	Eastbourne ... ..	...	—	42	34	bc, o	o, c, bc	0.8	
	Buxton ... ..	...	—	33	24	ex, b	bc, s	0.0	Seaford ... ..	...	0.03	42	32	b	b, r	0.8	
	Matlock ... ..	...							Brighton ... ..	...	0.02	41	32	bc, c, bc	c, o, r	0.8	
	Douglas ... ..	...							Worthing ... ..	...	0.02	41	32	bc	r	0.8	
Wales.	Rhyl ... ..	...	0.12	37	28		0.0	England, S.W.	Littlehampton ... ..	...	*	*	*	*	*	0.8	
	Colwyn Bay ... ..	...	0.20	39	31	bc	p		0.0	Bognor ... ..	...						0.8
	Llandudno ... ..	...	0.15	39	32	o	r		0.0	Southsea ... ..	...	0.06	42	32	b, bc, o, r	o, r	0.8
	Bettws-y-Coed ... ..	...	"						0.0	Bournemouth ... ..	...	0.10	48	32	o	o, r	0.8
	Aberystwyth ... ..	...	0.17	41	33	o, c, o	o, r	0.0	Weymouth ... ..	...	0.22	47	35	c	r	0.8	
England, E.	Lowestoft ... ..	...	0.03	41	35	bc, c	c, om	2.8	Teignmouth ... ..	...	0.25	46	36	o, r	o, r	0.8	
	Felixstowe ... ..	...	—	40	32	bc, m	m, o	3.9	Torquay ... ..	...	0.13	48	36	r, o	r, o	0.8	
	Walton-on-Naze ... ..	...	—	38	32	bc, b	b, bc	3.0	Paignton ... ..	...		0.56	51	37	o, r	o, r	0.8
	Southend-on-Sea ... ..	...	—	40	32	bc	c, bc	2.6	Ilfracombe ... ..	...						0.8	
									Wes'on-super-Mare ... ..	...	0.35	41	31	m, b, r	r	0.8	

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
			Max.	Min.					
			24 HOURS ENDED 9 A.M. TO-DAY.						
Greenwich (Royal Obs.) ...	% 88	% 96	° 51	° 32	° 27	In. 0.38	ofx.	of	0.575
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	"
Westminster (St. James's Pk.)	85	87	52	34	31	0.37	m	m	5.7.2
Camden Sq. (Brit. Rainfall)	85	89	51	33	31	0.39	bcm	f. or	5. or 0
Hampstead (Reservoir) ...	"	91	49	30	29	0.41	bef	of	0.10
Kew. (See front page.)	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.								
			Total.		Average Rate.		Max. Rate.		
S. Kensington (Roof of M.O.)	85	90	111	Joules.	3.6	Milliwatts.	7.5	Milliwatts.	

## Additional Observations for Yesterday.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		
		In Screen.	Night Min. on Grass.	Night.	Forenoon.	Afternoon.
		Max.	Min.			
Dublin to 4 p.m.	0.16	44	33	31	bc, o	o, r
Plymouth to 9 p.m.	0.22	51	35	27	o, r	o, d
Darwen "	?	35	27	26	o, bc	bc, c, o, s
Manchester "						
Birmingham "						
Oxford to 8 p.m.	*	40	30	23	bc, m, bc, f, x, c, m, o, s	
S. Kensington (Museum Grounds to 6 p.m.)	Trace	41	33	25	bm	bm, of, of, om, r

## NOTES ON YESTERDAY'S WEATHER.

During the latter part of yesterday a considerable amount of snow fell over Great Britain, and the temperature rose decidedly, the maximum readings occurring some time during the night or early morning. As a whole there was little or no sunshine, but more than 2 hours were recorded on the east and southeast coasts of England, and also at Bouin. Wireless reports show that as far west as the 17th meridian a strong breeze from the S.W. was general.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrapping.



## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Friday,  
24th January, 1913.

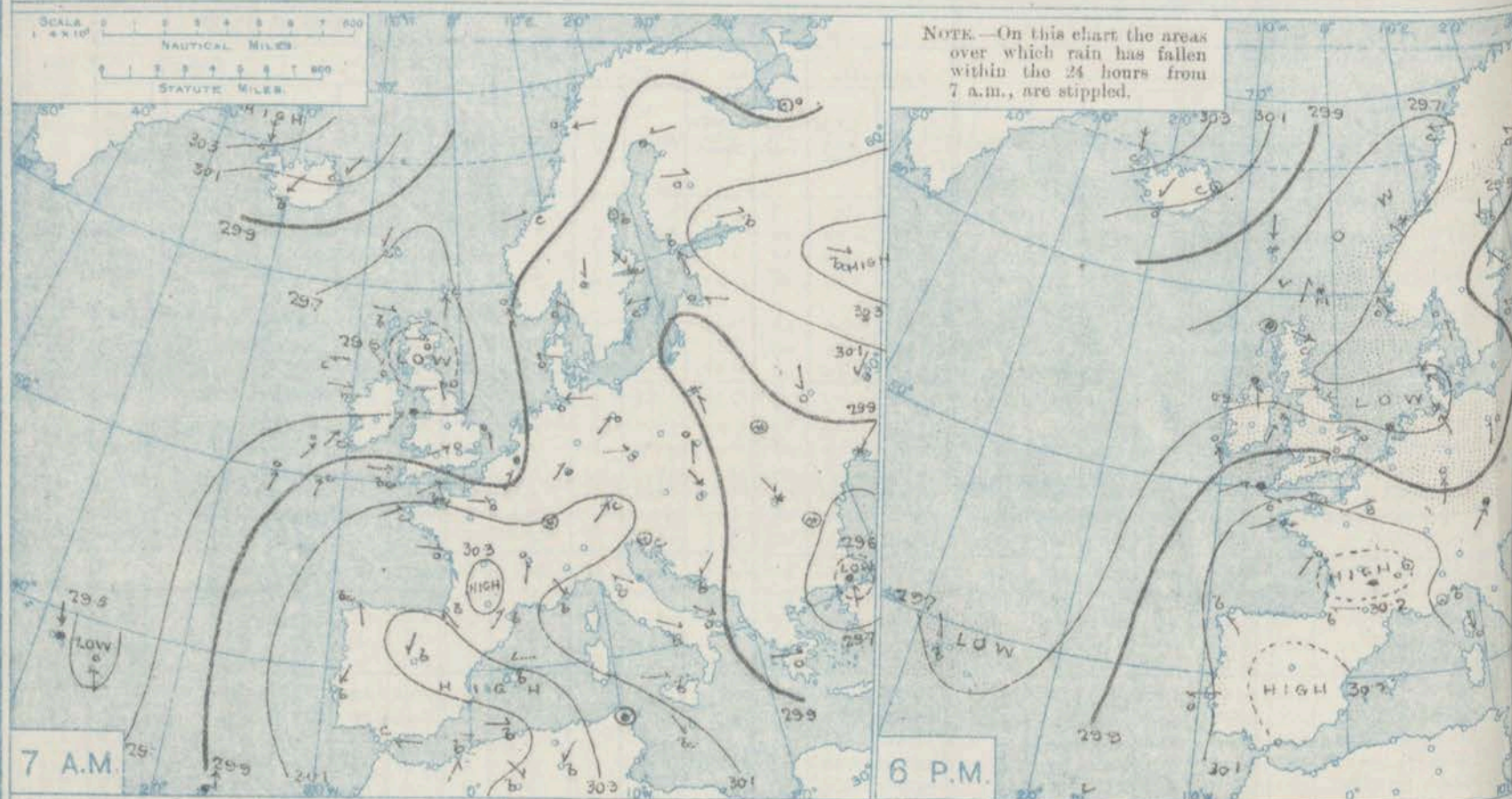
STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.			
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dir.	Force (0 to 12).			At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dir.	Force (0 to 12).	Weather.	Max.	Min.	
Lerwick ... ..	In.					In.	In.								In.			omr	omr	omr	Hours
Stornoway ... ..	29.65	36	SSW	3	r	29.58	-.04	37	-3	SSW	2	r	1	1.10	40	35	omr	omr	omr	*	
Castlebay (Barra Isd.)	29.67	40	-	0	op	29.58	-.04	38	+1	NE	1	r	1	0.08	42	35	bc	bc.0	op.1	2.0	
Malin Head ... ..	29.66	42	SE	2	op	29.47	-.09	39	0	E	4	r	5	0.34	43	36	bcn	cm.op	opd.r	1.7	
Blacksod Point ... ..	29.66	42	S	1	omr	29.36	-.09	45	+1	S	4	op	2	0.21	46	40	odm	omr	omr	*	
Valencia ... ..	29.64	49	SW	5	f	29.45	-.09	49	+3	SSW	7	0	5	0.92	49	44	odm	df	omd.q	*	
Roche's Point ... ..	29.79	50	SSE	4	og	29.58	+0.02	48	-3	SW	5	c	5	0.30	53	48	cv	c.0	omr	2.7	
Birr Castle ... ..	29.86	49	WSW	3	bc	29.62	*	50	-1	SW	5	r	5	0.10	52	48	c.c	c.bc	or	*	
Donaghadee ... ..	29.74	50	SW	4	0	29.50	*	50	0	SW	4	r	*	0.16	51	47	cp	c.0	c.org	0.0	
Liverpool Obsy. ... ..	29.69	42	WSW	1	m	29.52	-.06	45	0	SSW	3	r	2	0.47	46	42	omr	orf	ogm.0	*	
Holyhead ... ..	29.71	49	WSW	6	0	29.68	-.05	47	+1	SW	4	0	3	0.08	52	45	or	og	0	0.0	
Pembroke (St. Ann's Hd.)	29.74	48	SW	5	0	29.64	-.02	48	-1	SW	5	0	4	0.05	49	46	odm	opm	om	*	
Newquay ... ..	29.87	48	WSW	6	c	29.72	-.06	48	-2	SSW	7	bcq	6	0.06	51	46	ogm	egm	cq	0.2	
Scilly (St. Mary's) ...	29.99	47	SW	4	om	29.83	-.03	48	-1	SW	4	0	4	0.05	51	46	0	c.opm	bcp.c	0.4	
Jersey (St. Aubin) ...	29.99	48	WSW	4	cp	29.83	-.05	49	-1	SW	4	bcp	4	0.02	52	47	bcp	bcp	cm	3.5	
Portland Bill ... ..	30.10	50	WSW	4	om	30.00	*	47	-3*	SW	4	b	3	0.06	52	46	bc.cm	opm.0m	cpm.0	0.9	
Dungeness ... ..	29.96	51	WSW	6	c	29.86	-.03	50	0	SW	6	0	4	0.01	51	47	c	c	cp.0	*	
Dover ... ..	29.86	49	SW	6	c	29.88	-.01	48	0	WSW	4	0	4	-	49	47	c	c	c.0	*	
Wick ... ..	29.89	48	W	5	0	29.93	*	46	-2	SW	3	0	3	0.01	51	45	cc.0	0	q.bca	0.0	
Nairn ... ..	29.64	36	WSW	3	c	29.57	-.05	39	0	SSE	3	0	3	0.02	39	32	ambn	bcpm	cmdm	*	
Aberdeen ... ..	29.67	29	-	0	c	29.58	*	31	+1	-	0	0	1	0.00	35	27	cgz	cgz	og	2.3	
Leith ... ..	29.65	35	WNW	4	c	29.61	-.03	33	-3	-	0	0	2	-	37	32	ob.bc	bc.c	c.0	1.7	
North Shields ... ..	29.70	37	WSW	2	b	29.57	-.08	35	+1	E	1	r	*	0.23	39	34	pbc.bz	bz	og	*	
Spurn Head ... ..	29.66	41	WNW	2	c	29.61	-.04	37	+1	S	2	r	2	0.11	44	35	-	-	c.r	0.2	
Yarmouth ... ..	29.68	44	WSW	4	f	29.69	+.00	43	+5	SW	5	c	5	0.12	45	40	fodg	f	omf.c	*	
Clacton-on-Sea ... ..	29.77	51	WSW	3	0	29.79	+.00	44	+4	SW	2	bc	2	0.12	52	40	om.0	0	c.bc	0.0	
Nottingham ... ..	29.82	48	W	3	c	29.87	-.01	44	+2	SW	2	c	2	0.01	51	42	or.og	og.c	c	0.0	
Bath ... ..	29.74	50	W	4	0	29.73	*	45	+7	SW	4	0	*	0.01	52	37	om.c	cp.0	op	0.1	
London (Kew Obsy.) ...	29.93	50	W	5	0	29.85	*	49	0	SW	3	0	*	0.01	53	46	-	-	-	0.0	
Isafjord ... ..	29.89	51	WSW	4	0	29.86	-.02	46	-4	SW	4	0	*	0.01	52	46	0	oc.p	oc.r.0	0.0	
Reykjavik ... ..	30.36	19	N	9	c	30.31	+0.01	17	-2	N	8	b	*	*	*	*	GALES. Duration and Extreme Force on British Coasts.				
Vestmanna ... ..	30.13	21	N	1	b	30.09	+.00	16	-8	E	3	b	*	*	*	*					
Seydisfjord ... ..	30.07	26	NE	2	0	30.08	-.01	24	+1	-	0	0	1	*	*	*					
Thorshavn ... ..	30.20	19	-	0	c	30.15	-.01	17	-6	NE	2	bc	*	*	*	*					
Haparanda ... ..	29.78	32	N	5	S	29.72	-.01	29	-5	NNW	4	c	*	*	*	*					
Hernösand ... ..	29.80	12	SE	2	0	29.85	*	16	+17	SE	2	0	*	0.04	18	-2					
Stockholm ... ..	29.84	14	N	2	b	29.80	+.00	-7	-8	-	0	b	*	-	14	-9					
Wisby ... ..	29.92	15	NW	2	0	29.85	-.01	19	+14	NNW	2	0	*	-	19	5					
Karlstad ... ..	29.91	27	E	2	0	29.84	-.04	28	+3	E	2	0	*	-	28	13					
Egerder (X'ianta Fjord)	29.91	19	NNE	2	0	29.81	-.04	22	+16	ENE	2	0*	*	-	23	5					
Bodö ... ..	29.88	17	N	4	f	29.80	-.02	18	+2	N	4	m	2	-	18	16					
Christiansund ... ..	29.70	18	E	4	c	29.73	-.01	12	-8	E	4	b	2	-	20	10					
Skudesnaes ... ..	29.69	36	SW	2	S	29.71	-.01	32	-4	-	0	0	3	0.24	36	28					
The Scaw (Skagen) ...	29.77	31	SE	4	0	29.73	-.02	32	-1	E	2	0	2	-	33	28					
Blaavands Huk ... ..	29.86	32	SSE	2	0	29.73	-.02	33	+7	SE	3	S	0	0.04	33	25					
Cuxhaven ... ..	29.69	28	SE	4	S	29.63	+0.01	31	+7	SE	2	m	1	-	31	23					
The Helder ... ..	29.68	32	SE	4	S	29.69	+0.01	35	+6	W	2	0	*	0.28	37	29					
Brussels ... ..	29.69	43	WSW	3	r	29.79	+0.03	44	+9	SW	4	0	?	0.28	45	34					
Berlin ... ..	29.91	48	W	4	0	29.96	+0.01	44	+7	WSW	3	r	*	0.20	49	37					
Frankfurt ... ..	29.86	30	S	2	0	29.73	+0.01	33	+2	-	0	0	*	0.08	34	30					
Munich ... ..	29.87	46	SW	4	0	29.97	+0.03	45	+11	SW	4	c	*	0.20	46	34					
C. Gris Nez ... ..	29.97	36	SW	5	r	30.06	+0.01	39	+8	SW	6	bc	*	0.47	39	30					
La Hève ... ..	29.89	49	W	7	0	29.92	-.01	46	-2	SW	6	r	5	0.04	50	45					
Brest (St. Mathieu) ...	30.05	46	WSW	4	0	29.97	*	44	-4	SW	5	0	5	-	50	39					
Lorient (Bec Melen) ...	30.17	49	WSW	3	0	29.99	+0.03	49	-1	SW	4	0	3	-	52	46					
Rochefort (Ile d' Aix)	30.12	51	W	3	b	29.97	*	50	-2	S	3	c	3	-	54	45					
Biarritz ... ..	30.20	51	SW	2	0	30.09	*	42	-6	S	3	0	*	-	55	44					
Paris ... ..	30.15	51	E	3	b	30.06	*	38	-10	ESE	3	b	1	-	57	36					
Belfort ... ..	30.09	50	WSW	3	0	30.08	-.02	45	-5	SW	2	0	*	-	53	45					
Lyons ... ..	30.13	43	WSW	7	r	30.14	*	39	+7	-	0	0	*	0.32	44	32					
Nice ... ..	30.23	45	NNW	1	0	30.17	*	43	+4	-	0	0	*	-	48	39					
Perpignan ... ..	30.06	44	-	0	b	30.09	-.02	40	-1	-	0	bc	2	-	54	40					
Sanguinaire ... ..	30.17	47	-	0	b	30.13	-.01	36	-7	SW	1	b	*	-	60	34					
Corunna (8 a.m.) ...	30.07	50	NNW	4	0	30.08	*	50	+3	SE	2	m	3	-	54	43					
Lisbon (9 a.m.) ...	30.13	57	SE	2	b	29.95	-.08	54	+11	SE	3	c	2	-	59	43					
Gibraltar ... ..	30.08	56	E	3	0	29.99	+.00	55	+9	SE	4	r	6	0.04	61	46					
Azores (P. Delgada) ...	30.27	56	E	2	bc	30.16	*	56	0	E	2	c	1	-	59	55					
Azores (Horta) ... ..	29.69	51	NNW	1	b	29.71	+.00	50	-3	WSW	2	b	2	-	63	48					
Madeira (Funchal) ...	29.85	63	?	?	c	29.94	+0.01	62	-2	?	?	0	?	0.04	63	50					

\* Information for these columns not usually received.

† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 23<sup>rd</sup> JANUARY.



## GENERAL INFERENCE

The depression off the northwest of Ireland is likely to move slowly eastward, and will cause some further increase in the strength.

## WEATHER PROSPECTS.

of the S.W.<sup>ly</sup> to S.E.<sup>ly</sup> winds on our western and southern coasts. Rain is probable in most districts, and snow or sleet locally in the north.

## FORECASTS FOR THE 24 HOURS NOON FRIDAY

- 0 { light breezes, chiefly E.<sup>ly</sup>;  
unsettled, some snow or sleet;  
remaining cold.
- 1 {

- 2 { freshening S.<sup>ly</sup> and S.W.<sup>ly</sup>  
winds; changeable, some rain,  
normal temperature.
- 3 {

- 4 { increasing S.W.<sup>ly</sup> to S.E.<sup>ly</sup> winds;  
mild, changeable, some showers.
- 5 {

## FORECAST DISTRICTS.



## STORM WARNINGS.

The Cones upon which the Warning Signals are at present displayed are indicated thus:—

signals hoisted yesterday.	signals hoisted this morning.
South Cone. ✓	South Cone. ✓
North Cone. ✓	North Cone. ✓

Cones hoisted at 6.50 p.m. yesterday.

## TO NOON SATURDAY

Same as Nos 0 & 1.

- 6 {
- 7 { S.W.<sup>ly</sup> to W.<sup>ly</sup> winds, strong  
or high in force; showery at  
first, improving temporarily later.
- 8 {
- 9 { continuing mild
- 10 {

## 11 WESTERN CHANNEL AND BAY.

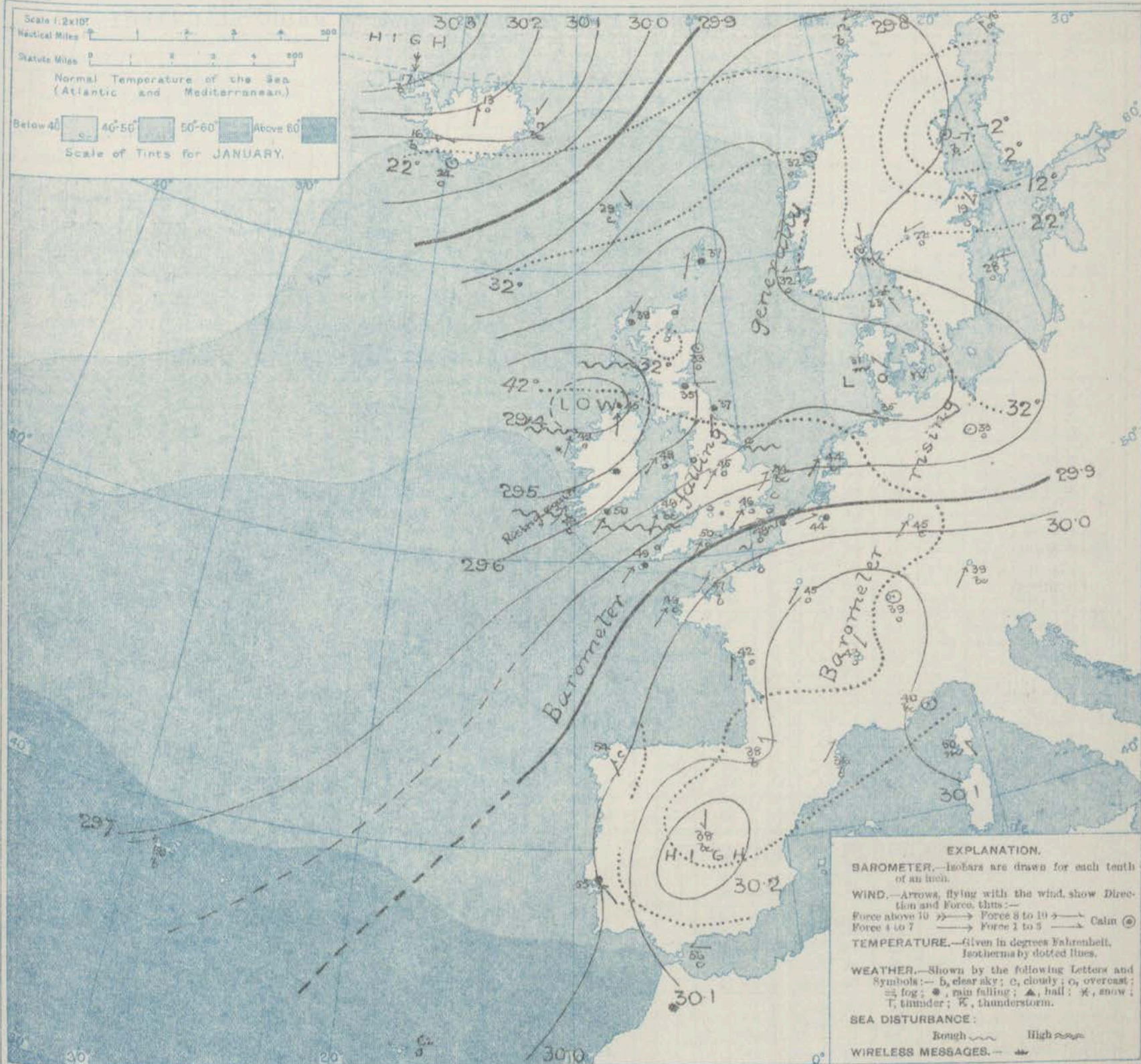
Strong S.W.<sup>ly</sup> to W.<sup>ly</sup> winds, and a rather rough sea; mild, squally, some showers.

## THE FURTHER OUTLOOK. (all districts)

Changeable weather is likely to continue.



# SYNOPTIC CHART FOR 7 A.M. FRIDAY, 24<sup>TH</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

Barometrical pressure is now highest to the north-westward of Iceland, but is also high over France and the Spanish Peninsula. A depression of moderate intensity lies off the north-west of Ireland, and the barometer is falling rather briskly on our own north-west coasts.

The wind is South-Easterly over Ireland, England and the neighbouring portions of the Continent, and is strong or high in force on the more exposed parts of our west and south coasts. Variable or light Easterly breezes prevail in Scotland and North Easterly to

Easterly winds in Iceland and the Faeroe. Temperature has risen in the north of Ireland and the east of England. Over the United Kingdom the morning readings range from between 43° and 50° on our western and southern coasts to a trifle below the freezing point over central Scotland. Hard frost prevails in Scandinavia and in Iceland. The weather is cloudy or dull generally, with rain at many of our own western and northern stations, and snow at the Skew. The sea is rather rough in the Straits of Dover, and on most parts of our western coasts.



# DAILY WEATHER REPORT.

Friday, 24th January, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- utward H- ome- ward	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- utward H- ome- ward	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
23. 6pm	48-40	8-13	H.M.S.	O	30.06	-	WNW	3	0										
					Dry Bulb 51° Wet Bulb 50° Sea Temp 50° Sea 4.														
"	49	10	Zeland	H	29.94	-05	SSW	4-5	C										
"	49	15			29.94	-01	SSW	4-5	O										
"	49	11	Ascania	O	29.87	-03	SSW	4-5	C										

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.
			Max.	Min.	Forenoon.	Afternoon.						Max.	Min.	Forenoon.	Afternoon.		
Scotland.	Oban								England, S.E.	Margate							
	Stonehaven									Ramsgate							
	St. Andrews									Deal							
	Carnoustie									Folkestone							
England, N.E.	Harrogate	0.20	45	31	op	c.op	0.0		England, S.W.	Littlestone							
	Scarborough		45	34	of	of	0.0			Hastings							
	Blackpool	0.75	46	33	o	r	0.0			Bexhill-on-Sea							
	Southport	0.77	45	33	omr	omr	0.0			Eastbourne							
England, N.W.	Buxton	0.59	48	24	c	bc	0.0		England, S.E.	Seaford							
	Matlock									Brighton							
	Douglas									Worthing							
										Littlehampton							
Wales.	Rhyl	0.09	53	34			0.0		England, S.W.	Bognor							
	Colwyn Bay	0.13	53	37	bcp	pc	0.0			Southsea							
	Llandudno	0.27	50	36	or	o	0.0			Bournemouth							
	Bettws-y-Coed									Weymouth							
England, E.	Aberystwyth	0.44	50	38	roc	c.o.c	0.0		England, S.W.	Teignmouth							
	Lowestoft	0.09	52	35	om	o.c.o	0.0			Torquay							
	Felixstowe	0.20	51	33	m.o	eg	0.0			Paignton							
	Walton-on-Naze	0.25	52	32	o.c.o	o.bc	0.0			Ilfracombe							
England, S.W.	Southend-on-Sea	0.33	50	34	bc	bc.o	0.0		England, S.W.	Weston-super-Mare							

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rain- fall.	WEATHER.			Sun- shine for Yesterday.	Hr.	STATIONS.	RAIN- FALL.	TEMPERATURE.		WEATHER.			Sun- shine for Yesterday.	Hr.
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.	Min. on Grass.		Fore-noon.	After-noon.	Night.					In Screen.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.		
Greenwich (Royal Obs.)	80	82	52	46	40	-	o.c	o.c	o.c	0.0	Dublin to 4 p.m.	0.13	52	49	48	odq	odq	0.0	
City (Aushill Row)	80	82	52	47	40	-	bc	bc	bc	0.0	Plymouth to 9 p.m.	0.03	53	47	43	bcq	bcq	0.0	
Westminster (St. James's Pl.)	80	83	53	47	40	-	bc	bc	bc	0.0	Darwen	0.80	45	31	30	or	or	0.0	
Camden Sq. (Brit. Patent)	80	80	52	46	39	-	o	c	c.o	0.0	Manchester	0.44	50	35	32	or	or	0.0	
Hampstead (Reservoir)	80	86	50	44	40	-	c.o	o	c.o	0.0	Birmingham	0.18	50	32	28	r	o	0.0	
Ken. (See front page.)											Oxford to 8 p.m.	*	51	34	32	os.r.o	o	0.0	
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.											S. Kensington (Museum Grounds to 6 p.m.)	0.38	53	34	32	os.r.p	o	0.0	
			Total.	Average Rate.		Max. Rate.													
			113 Joules.	3.6 Milliwatts.		12.5 Milliwatts.													

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

24 & 25 Jan., 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	7.49	12.5	4.21
	7.48	12.5	4.21
Greenwich	7.52	12.12	4.32
	7.51	12.12	4.33
Wick	8.38	12.24	4.11
	8.36	12.24	4.13
Valencia	8.35	12.53	5.11
	8.34	12.53	5.12

During yesterday the thermometer rose to 50° and upwards over nearly the whole of England and Ireland; in Scotland it did not reach 40°. At a majority of our stations there was an entire absence of bright sunshine but on some parts of our western coasts the amount was fairly large for the time of year. Considerable quantities of rain fell in Ireland and the west and north of Scotland. As far west as the 15th meridian ships experienced fresh to strong winds from S. and S.W., and dull weather.

NOTE.—The information relating to weather is indicated by the following letters:—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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. snow; t. thunder; u. ugly, threatening sky; v. visibility; w. wind; x. low frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrapping.



## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

 Saturday,  
 25th January, 1913.

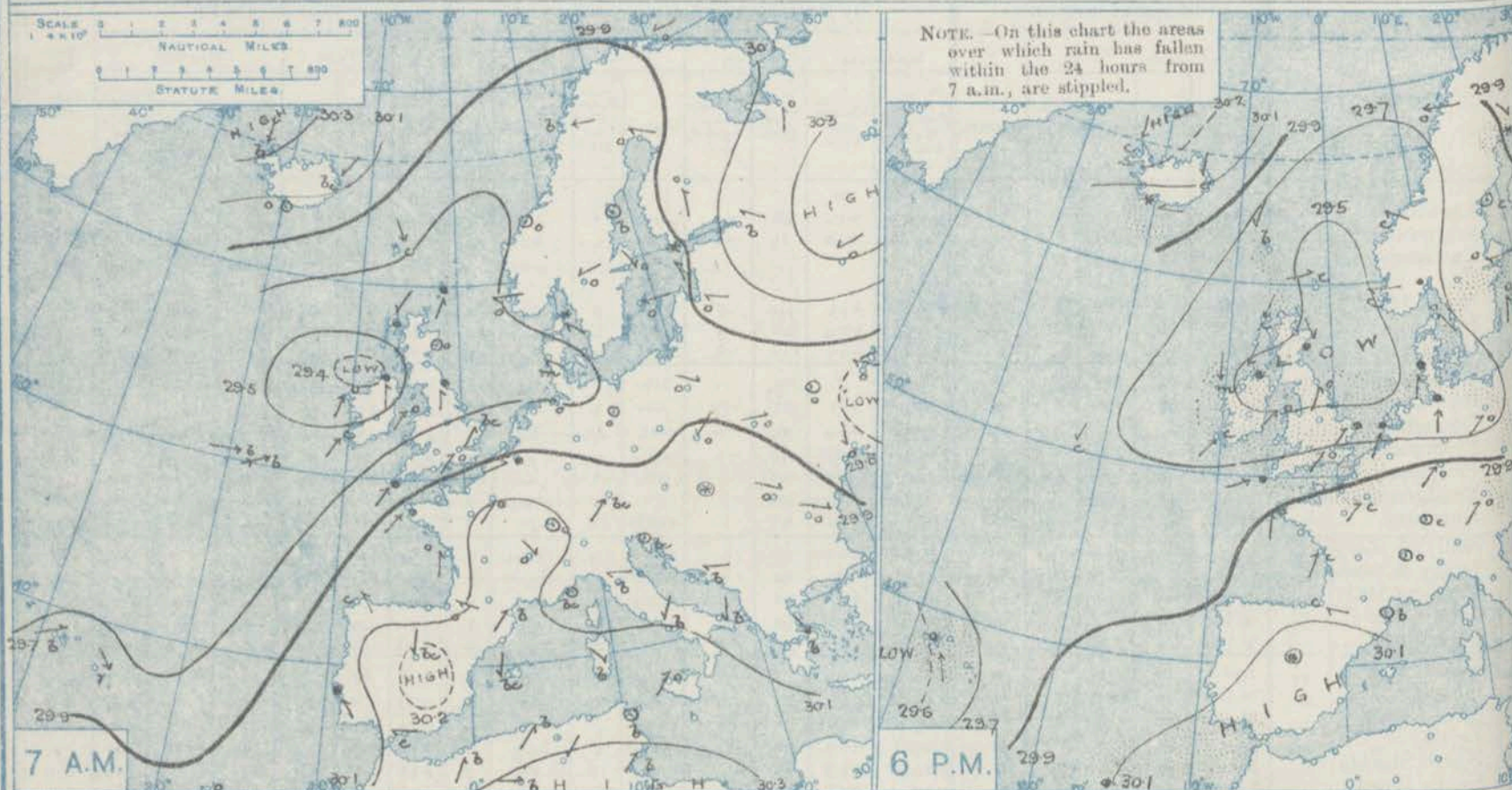
STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.				
	At 32° Fahr. and M.S.L. Lat. 46°.	Dry Bulb.	Force (0 to 12).	At 32° Fahr. and M.S.L. Lat. 46°.			Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dir.					Force (0 to 12).	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.	
	In.	"	"	"	"	In.	In.	"	"	"	"	"	"	In.	"	"	"	"	Hours		
Lerwick ... ..	29.48	36	WSW	1	c	29.62	+12	38	+1	NNE	5	c	3	0.06	39	34	cp	cm	bc-cp	*	
Stornoway ... ..	29.65	36	NNE	5	oq	29.81	+0.8	36	-2	N	4	bc	5	0.15	39	36	oq	oq	bc-sp	0.0	
Castlebay (Barra Isd.) ... ..	29.62	38	NNE	5	oq									0.22	41	35	oq	oq	bc-sp	0.0	
Malin Head... ..	29.46	40	NNE	6	cgq	29.84	+0.6	40	-5	N	5	bcq	4	0.09	47	37	omr	gq	bc-m	*	
Blacksod Point ... ..	29.55	46	N	4	m	29.93	+0.4	40	-9	NW	2	o	3	0.08	50	37	oqpm	am-b	cmq	*	
Valencia ... ..	29.63	48	SW	4	c	29.94	+0.7	40	-8	NE	4	b	4	0.02	51	40	o	o	cm-b	0.6	
Roche's Point ... ..	29.66	48	SW	3	c	29.92	*	39	-11	NW	3	b	3	0.09	51	38	c-bc	c	c-o-b	*	
Birr Castle ... ..	29.53	48	SW	2	c	29.90	*	32	-18	NW	2	c	*	0.08	50	30	c-o	cp	ap-cx	0.0	
Donaghadee ... ..	29.42	47	SW	3	c	29.84	+0.4	39	-6	NNE	4	bc	3	0.05	48	38	c	cpm	adm-bc	*	
Liverpool Obsy. ... ..	29.53	47	SW	3	o	29.73	+0.8	40	-7	WNW	4	o	4	0.12	51	39	o	bc-o	o	0.6	
Holyhead ... ..	29.53	48	SW	6	o	29.77	+0.5	42	-6	NW	7	c	6	0.33	50	40	c	adm	cp	*	
Pembroke (St. Ann's Hd.) ... ..	29.65	48	WSW	5	o	29.79	+0.4	43	-5	N	4	cgq	5	0.09	50	42	cg	oqgm	cgq	0.0	
Newquay ... ..	29.78	50	SW	4	o	29.82	+0.2	47	-1	WSW	2	o	3	0.02	53	46	o	b-o	ap-o	2.1	
Scilly (St. Mary's) ... ..		50	WSW	4	omr	29.82	+0.4	46	-3	WNW	4	bc-m	3	0.02	53	45	bc-m	omr	cp	3.7	
Jersey (St. Aubin) ... ..	29.88	50	SSW	3	bc-m	29.86	*	50	+3	WSW	4	oqgm	3	0.01	52	47	omr	b-bem	oqpm	0.9	
Portland Bill ... ..	29.76	50	SW	5	o	29.79	+0.3	48	-2	WNW	4	c	4	0.06	51	47	o	op	o-c-d	*	
Dungeness ... ..	29.73	49	SW	7	oq	29.72	00	48	0	WSW	3	o	3	0.09	49	45	oq	oq	oq	*	
Dover ... ..	29.77	47	SW	6	c	29.54	*	48	+2	W	3	o	4	0.03	49	45	o-c	cp-r	c-o-r	0.0	
Wick ... ..	29.50	36	NW	4	o	29.67	+0.4	34	-5	NW	3	bc	3	0.12	39	32	adm	adm-r	o-c-bx	*	
Nairn ... ..	29.52	36	ENE	3	r	29.72	*	31	0	NW	1	bc	1	0.22	36	29	rs-o	r	sq-bc	0.0	
Aberdeen ... ..	29.47	37	WNW	2	r	29.70	+0.6	32	-1	WNW	3	b	2	0.21	38	32	o	o	o-c-b	0.0	
Leith ... ..	29.47	36	W	1	r	29.75	+0.9	33	-2	WSW	2	bcz	*	0.32	39	32	oq	oqfg	o	*	
North Shields ... ..	29.40	46	SSW	2	o	29.73	+0.8	36	-1	NW	2	r	2	0.28	49	35	o	o-r-rs	o-o	0.0	
Spurn Head ... ..	29.49	47	SW	5	c	29.63	+0.3	42	-3	NW	4	o	4	0.06	47	41	c-o	o-c	c-d-r	*	
Yarmouth ... ..	29.63	47	SW	3	r	29.64	+0.2	45	+1	W	3	bc	2	0.09	49	42	bc	bc-m	p-c	0.0	
Clacton-on-Sea ... ..	29.68	45	SW	4	o	29.69	00	43	-1	WSW	3	bc	2	0.02	48	43	c-oq	oq-dq	o-c-bc	0.1	
Nottingham... ..	29.58	47	SW	4	b	29.67	*	46	+1	WNW	3	o	*	0.05	48	44	o	o-c-b	bc-p	0.0	
Bath ... ..	29.70	52	WSW	6	o	29.78	*	44	-5	W	1	o	*	0.05	53	43	-	-	-	0.2	
London (Kew Obsy.)... ..	29.69	50	SW	4	o	29.73	+0.1	45	-1	WSW	2	b	*	Trace	50	44	o	o	o-c-bc	0.0	
Isafjord ... ..	30.24	18	N	7	c	30.12	-0.1	20	+3	N	6	c	*	*	*	*	GALES. Duration and Extreme Force on British Coasts.  Holyhead 11 a.m. S.W. 8.				
Reykjavik ... ..	30.09	17	E	4	c	29.83	-0.2	23	+7	NE	7	o	*	*	*	*					
Vestmanna ... ..	30.07	23	E	1	s	29.88	+0.2	26	+2	E	9	s	1	*	*	*					
Seydisfjord ... ..	30.13	17	N	1	c	30.11	-0.1	19	+2	-	0	o	*	*	*	*					
Thorshavn ... ..	29.58	27	NNE	2	b	29.91	+0.5	32	+3	E	3	s	*	*	*	*					
Haparanda ... ..	29.91	10	NW	2	s	29.87	-0.1	14	-2	NE	2	o	*	0.12	19	9					
Hernösand ... ..	29.81	-2	-	0	c	29.78	-0.3	10	+17	-	0	o	*	-	10	-8					
Stockholm ... ..	29.78	23	E	2	o	29.65	-0.3	23	+4	NE	2	o	*	Trace	23	19					
Wisby ... ..	29.75	30	S	2	o	29.60	-0.6	30	+2	ESE	2	o	*	0.04	32	27					
Karlstad ... ..	29.73	24	E	2	s	29.61	-0.2	26	+4	NE	2	s	*	0.08	27	21					
Färder (X'ania Fjord) ... ..	29.69	22	N	4	o	29.56	-0.3	24	+6	N	6	s	2	?	24	18					
Bodö ... ..	29.73	18	E	4	o	29.69	-0.1	16	+4	E	6	c	2	-	18	12					
Christiansund ... ..	29.60	29	ESE	1	c	29.63	+0.1	29	-3	-	0	o	2	-	32	27					
Skudesnaes .. ..	29.58	32	E	2	c	29.56	00	29	-3	E	2	b	1	-	34	28					
The Scaw (Skagen)... ..	29.62	34	SE	3	o	29.44	-0.3	32	-1	E	4	s	1	0.08	34	30					
Blaavands Huk ... ..	29.52	35	S	1	r	29.37	-0.1	38	+7	W	3	f	2	0.28	38	30					
Cuxhaven ... ..	29.62	40	S	4	r	29.49	-0.1	41	+6	W	4	o	*	0.20	41	35					
The Helder ... ..	29.63	43	SSW	6	r	29.60	+0.1	44	0	SW	4	r	3	0.20	45	43					
Brussels ... ..																					
Berlin ... ..	29.66	36	SW	1	o	29.61	-0.7	40	+7	SW	3	o	*	0.16	40	33					
Frankfurt ... ..	29.94	44	SW	4	o	29.84	-0.1	43	-2	SW	5	r	*	-	48	43					
Munich ... ..	30.03	37	SW	3	o	30.02	+0.1	37	-2	W	4	o	*	Trace	43	34					
C. Gris Nez... ..	29.79	47	SW	7	o	29.72	-0.1	48	+2	WSW	6	r	5	0.28	50	46					
La Hève ... ..	29.87	46	W	5	o	29.86	*	48	+4	S	4	o	4	0.04	48	41					
Brest (St. Mathieu) ... ..	29.40	50	S	2	o	29.92	+0.1	50	+1	WSW	2	o	3	-	54	48					
Lorient (Bec Meln)... ..	29.88	52	S	3	o	29.91	*	51	+1	SW	3	o	2	-	54	43					
Rochefort (Ile d' Aix) ... ..	29.97	46	SSW	3	c	29.97	*	43	+1	SSE	3	o	*	-	52	41					
Biarritz ... ..	29.96	54	ESE	3	c	29.98	*	55	+17	S	2	o	1	-	59	38					
Paris ... ..	29.96	47	SW	2	o	29.91	-0.1	44	-1	SW	3	o	*	0.12	51	43					
Belfort ... ..	30.04	41	-	0	c	30.04	*	37	-2	-	0	c	*	-	48	34					
Lyons ... ..	30.06	44	ENE	1	o	30.03	*	35	-8	SW	1	f	*	-	51	32					
Nice ... ..	30.08	45	-	0	b	30.08	+0.1	44	+4	-	0	c	2	-	54	40					
Perpignan ... ..	30.03	46	-	0	b	30.05	-0.1	45	+9	W	1	o	*	-	59	36					
Sanguinaire ... ..																					
Corunna (8 a.m.) ... ..	29.92	59	SSE	2	o	30.00	00	50	-4	SE	1	bc	2	-	61	46					
Lisbon (9 a.m.) ... ..	29.95	59	SW	5	o	30.04	+0.1	53	-2	WSW	4	r	6	0.98	61	53					
Gibraltar ... ..	30.12	53	E	1	bcw	30.16	*	58	+2	W	3	r	1	0.05	61	51					
Azores (P. Delgada) ... ..																					
Azores (Horta) ... ..	29.61	61	SSE	6	o	29.55	-0.1	56	+6	SSW	5	c	3	0.47	61	50					
Madeira (Funchal) ... ..	30.09	62	?	?	r	30.12	+0.1	61	-1	?	?	o	?	Trace	66	50					

\* Information for these columns not usually received.

† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 24<sup>TH</sup> JANUARY,



## GENERAL INFERENCE

a ridge of high pressure is apparently about to pass eastward across the United Kingdom.

## WEATHER PROSPECTS.

N.E. and N.W. winds and colder weather will become general, but the change will in all probability prove merely temporary.

## FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

- 0 { a } N.E. and N.W. winds,  
b  
1 { light or moderate; fair generally  
but snow or sleet showers locally;  
2 { a } sharp frost tonight.  
b  
3 {  
4 { a } S.W. to N.W. winds, moderate  
fair generally, but local showers  
b of hail or sleet; frost to-night.  
5 {

### FORECAST DISTRICTS.



### STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Coast.	South Coast.
North Coast.	North Coast.

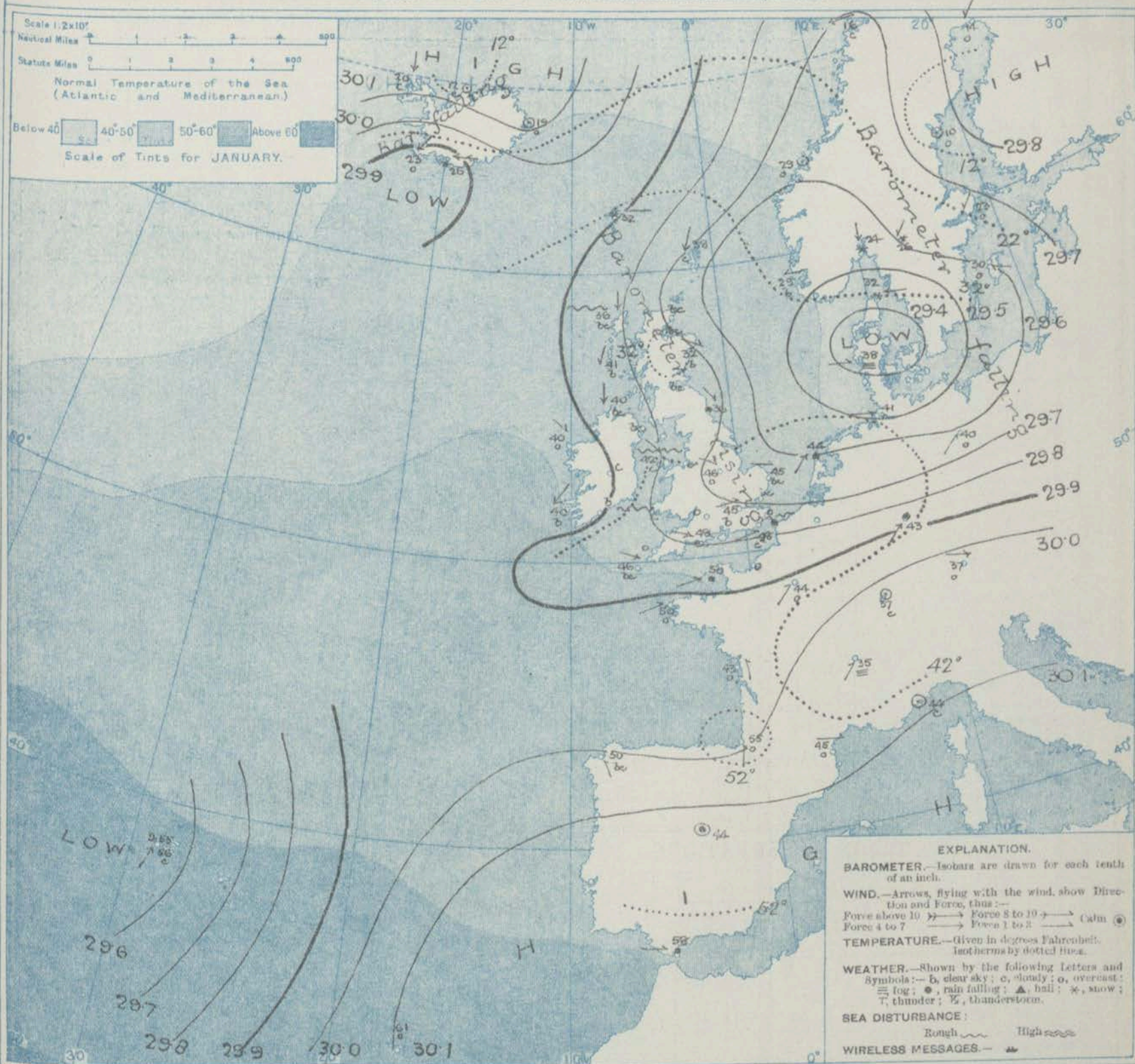
NO WARNINGS  
ISSUED.

- 6 { a }  
b  
7 { a } N.E. and N.W. winds, light  
b or moderate; fair, cold, frost  
8 { a } inland to-night.  
b  
9 { a }  
b  
10 { a }  
b  
11 WESTERN CHANNEL AND BAY. Moderate or fresh S.W. to N.W. winds, and a moderate sea; some showers at first, then fair; colder.

## THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. SATURDAY, 25<sup>TH</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

The depression which advanced over our northern districts yesterday is now passing away across Denmark. Areas of high pressure are still shown respectively over Spain and to the northward of Iceland, but a rather deep depression exists over the Azores region.

The wind has shifted to the N.W. or N.E. in all our western and northern districts, but is S.W. in the south and east of England, and S.W. over the Netherlands, Germany and

Central France. To the northward of our islands it varies between N. and E. Temperature has fallen in most places. Over the United Kingdom the morning readings range from between 45° and 50° over the Channel and south of England to a trifle below the freezing point in Central Scotland. Sharp frost continues to prevail in Scandinavia and in Iceland. The weather is fair or fine over the greater part of the United Kingdom, but rain is falling on the northeast coast of England, as well as in the Netherlands and Germany, and snow is reported over the Skager Rack. The sea is rough on the more exposed parts of our western coasts.



## DAILY WEATHER REPORT.

Saturday, 25 January 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
25 7 a.m.	50	12	Montreal	H	29.89	+0.5	NNE	4-5	c
24 6 p.m.	50	21	Ascania	O	29.78	.00	NNE	1-3	c
" 7 a.m.	50	18	Saxonia	O	29.64	+0.5	W	6-7	b
" "	50	17	Saxonia	O	?	?	WSW	10-11	b

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun-shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.	
Scotland.		In.					Hr.
Oban	...	...					
Stonehaven	...	...					
St. Andrews	...	0.28	40	32	r	r-o	0.0
Carnoustie	...	...					
England, N.E.							
Harrogate	...	0.24	47	40	op	o-cp	0.0
Scarborough	...	"	46	39	of	of	0.0
England, N.W.							
Blackpool	...	0.48	48	42	or	c-o	0.5
Southport	...	0.29	48	44	or	or-bc	0.7
Buxton	...	0.31	48	35	r-c	bc	0.0
Matlock	...	...					
Douglas	...	...					
Wales.							
Rhyl	...	0.10	52	34			1.7
Colwyn Bay	...	0.10	52	47	p-bc	bcq	2.2
Llandudno	...	?	50	47	op or	o	0.0
Bettws-y-Coed	...	"					
Aberystwyth	...	0.34	49	46	p-or	r-o-c	0.0
England, E.							
Lowestoft	...	0.05	49	42	c-o	a-t	0.0
Felixstowe	...	-	47	43	cm	m-o	0.4
Walton-on-Naze	...	-	46	43	o-bc	bc	0.5
Southend-on-Sea	...	-	47	44	o	o	0.0
England, S.E.							
Margate	...	In.					
Ramsgate	...	-	52	45	c-o	o	0.0
Deal	...	-	50	44	*	*	0.0
Folkestone	...	-	49	45	og	ou	0.0
Littlestone	...	-	48	45	o	op	0.0
Hastings	...	-	48	45	*	*	0.0
Bexhill-on-Sea	...	0.05	48	45	op	o	0.0
Eastbourne	...	0.03	48	46	og	gp	0.0
Seaford	...	0.03	50	47	og	od-o	0.0
Brighton	...	0.03	49	46	o	r-o	0.0
Worthing	...	0.01	49	47	o	or-o	0.0
Littlehampton	...	0.02	48	46	o	o-d	0.0
Bognor	...	-	*	*	*	*	0.0
Southsea	...	-	50	49	o-c	or-o-c	0.0
Bournemouth	...	0.02	51	46	o	o	0.0
Weymouth	...	0.03	51	47	o	o	0.0
Teignmouth	...	-	53	47	c	c	0.0
Torquay	...	0.01	53	47	o	c	0.0
Paignton	...	0.01	53	47	od	bc	0.0
Ilfracombe	...	0.04	51	46	o	ou	0.0
Weston-super-Mare	...	-	52	44	c	c	0.0

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.	
			Max.	Min.						
Greenwich (Royal Obs.) ...	%	%	.	.	.	In.				Hr.
City (Bunhill Row) ...	85	87	51	43	35	0.01	o	o	o-b-r	0.0
Westminster (St. James's Pk.)	*	*	*	*	*	*	*	*	*	0.0
Camden Sq. (Brit. Rainfall)	86	89	52	44	37	0.01	bc	r	bc	0.0
Hampstead (Reservoir) ...	82	89	51	42	35	-	o	o	bc-b	0.0
Kew. (See front page.)	*	91	50	41	34	0.01	o	o	od-bc	0.0
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										
Total.			Average Rate.		Max. Rate.					
S. Kensington (Roof of M.O.)			Joules.		Milliwatts.		Milliwatts.			
87			109		3.5		10			

STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.			
		In Screen.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.		
							Max.	Min.
Dublin to 4 p.m.	In.	.	.	.				
Plymouth to 9 p.m.	0.10	51	48	45	c.org	o-b	bcq	
Darwen "	0.03	52	47	43	bcq	oz	bc	
Manchester "	0.65	46	42	39	or.	b	ou	
Birmingham "	0.11	47	43	36	o	r-o	b	
Oxford to 8 p.m.	*	51	45	43	c-o-c	c-o	o	
S. Kensington (Museum Grounds to 6 p.m.)								
-								
51 47 39 c.o o o								



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Sunday,  
26th January, 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.		Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Direc.	Change since 4 a.m.				Dry Bulb.	Change since Yester- day.	Direc.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

GALES.  
Duration and Extreme Force  
on British Coasts.

\* Information for these columns not usually received.

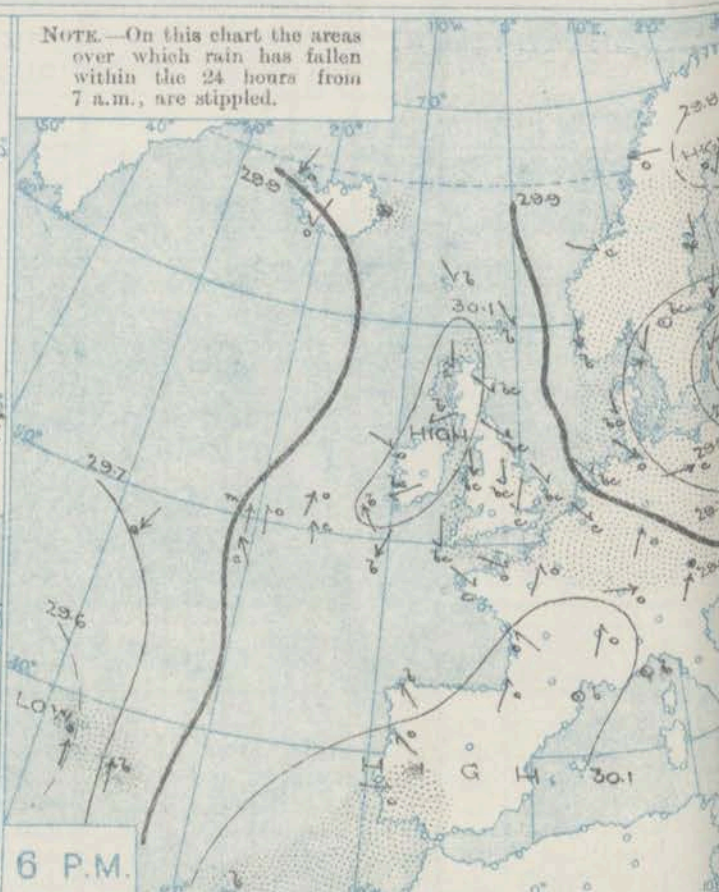
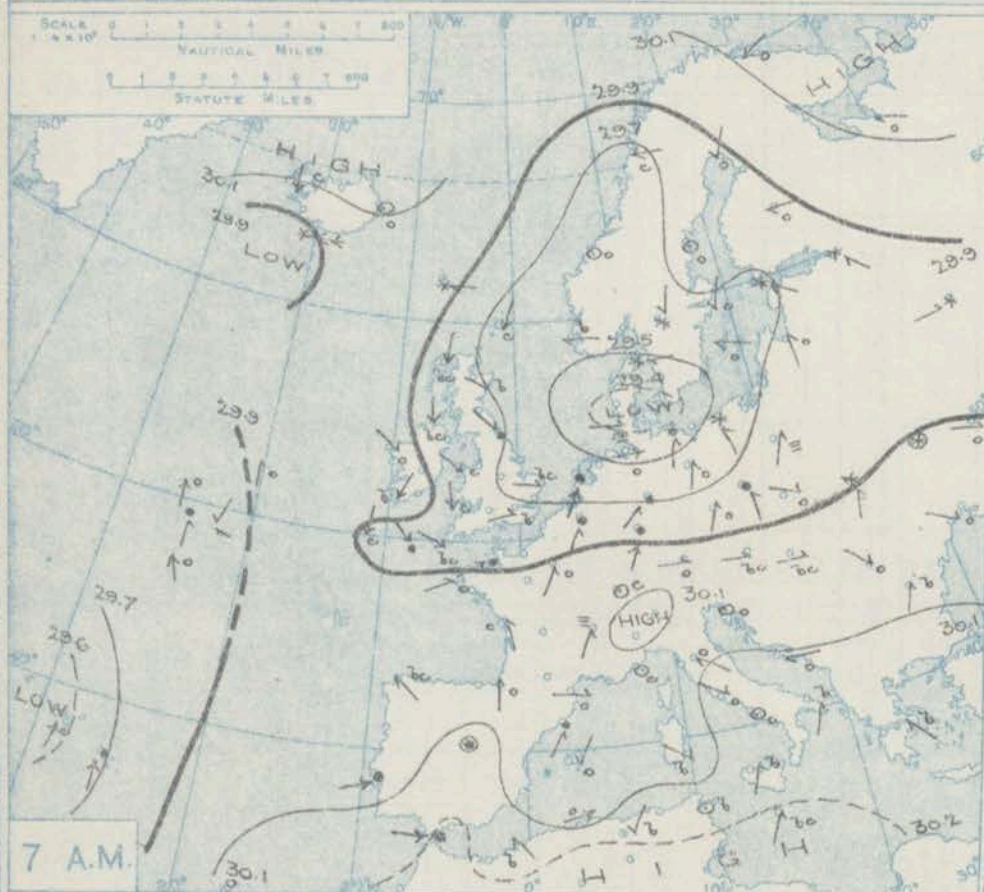
† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 25<sup>TH</sup> JANUARY.



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



GENERAL INFERENCE

## WEATHER PROSPECTS.

FORECASTS FOR THE 24 HOURS NOON SUNDAY

TO NOON MONDAY

0 {  
a  
b

1

2 {  
a  
b

3

4 {  
a  
b

5

### FORECAST DISTRICTS.



### STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone	South Cone
North Cone	North Cone

No WARNINGS  
ISSUED.

6 {  
a  
b

7 {  
a  
b

8 {  
a  
b

9 {  
a  
b

10 {  
a  
b

11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

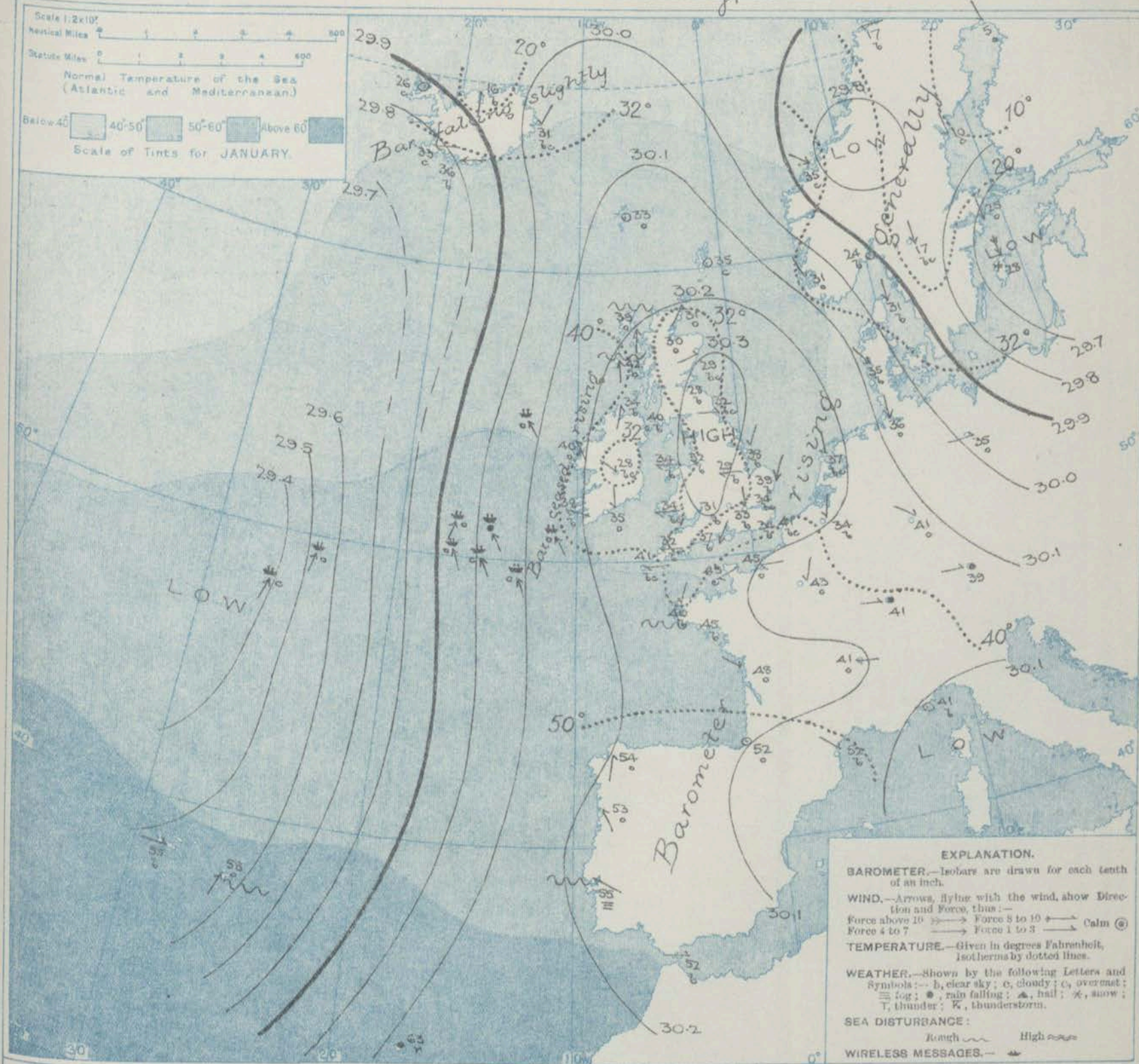
*None issued.*

*None issued.*

and above upper atmosphere



# SYNOPTIC CHART FOR 7 A.M. Sunday, 26<sup>th</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

An anticyclone covers the United Kingdom and its immediate neighbourhood, the highest pressure, about 30.3 in., being found over England. Over the upper part of the Baltic it is below 29.7 in., and according to wireless reports, it is lower on the Atlantic between the Azores and Iceland.

The wind is mainly E.<sup>ly</sup> or N.E.<sup>ly</sup> over England and the south of Ireland, but draws into the S.<sup>ly</sup> and S.W.<sup>ly</sup> in the northwest and north of these islands. In force it is very light to moderate.

Over Scandinavia there is a N.E.<sup>ly</sup> current which blows a gale at Wisby. Wireless reports show that a moderate breeze from the S.<sup>ly</sup> prevails as far west as the 26<sup>th</sup> meridian. Temperature has fallen in most regions, and is now below 32° in many parts of the United Kingdom. Severe frost continues in the greater part of Scandinavia. Over this country the weather is mostly fair or fine, as well as in the Netherlands and Denmark, but a good deal of cloud is reported on the Continent generally. Rain is falling at Belfort and Munich, and snow at Wisby.



## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
26th Jan 7am	51	11	Canada	H	30.13	+0.2	SSE	6-7	0	25th 6pm	51	12	Montcalm	O	29.96	+0.3	SE	4-5	0
25th 6pm	48	28	Saxonia	O	29.70	-0.7	NE	4-5	r	-	49	10	Menominee	O	30.01	+0.4	NE	4-5	0
"	48	20	Minnetonka	H	29.93	-0.1	SSE	4-5	c	"	47	24	Minnetonka	H	29.82	-0.0	SSE	4-5	0
"	49	20	Haverford	H	29.89	-0.1	SSE	4-5	0	"	49	23	Haverford	H	29.84	-0.4	NE	1-3	0
"	51	16	Canada	H	29.91	-0.6	SSW	4-5	0	"	51	20	Canada	H	29.89	+0.1	S	1-3	0
"	50	15	Montreal	O	30.03	+0.1	S	4-5	c	"	8am 49m 8.27		H.M.S.	-	29.91	-	NW	2	0

Dry bulb 48° Wet bulb 47° Sea Temp 51° Sea disturbed 2. bar rising slowly

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.
			Max.	Min.	Forenoon.	Afternoon.						Max.	Min.	Forenoon.	Afternoon.		
Scotland.		In.							England, S.E.		In.						
Oban		...	...	...	...	...	...	...	Margate		...	51	45	bc	bc	...	...
Stonehaven		...	...	...	...	...	...	...	Ramsgate		0.01	49	44	bc	bc	...	...
St. Andrews		...	...	...	...	...	...	...	Deal		...	50	42	bc	bc	...	...
Carnoustie		...	...	...	...	...	...	...	Folkestone		0.05	49	45	bc	bc	...	...
England, N.E.		...	...	...	...	...	...	...	Littlestone		...	...	...	bc	bc	...	...
Harrogate		0.24	38	33	bc	bc	2.8	...	Hastings		0.08	50	44	bc	bc	...	...
Scarborough		...	...	...	...	...	...	...	Bexhill-on-Sea		0.03	50	44	bc	bc	...	...
Blackpool		...	46	31	c	b	4.5	...	Eastbourne		0.11	49	46	bc	bc	...	...
Southport		...	41	36	b	b	4.6	...	Seaford		0.10	49	44	bc	bc	...	...
Buxton		0.12	39	35	bc	bc	0.0	...	Brighton		0.10	50	46	bc	bc	...	...
Matlock		...	...	...	...	...	...	...	Worthing		0.29	50	44	c	b	...	...
Douglas		...	...	...	...	...	...	...	Littlehampton		...	...	...	bc	bc	...	...
Wales.		...	...	...	...	...	...	...	Bognor		...	...	...	bc	bc	...	...
Rhyl		...	...	...	...	...	...	...	Southsea		...	...	...	bc	bc	...	...
Colwyn Bay		...	43	38	bc	bc	2.7	...	Bournemouth		...	50	42	bc	bc	...	...
Llandudno		...	...	...	...	...	...	...	Weymouth		0.05	49	42	bc	bc	...	...
Bettws-y-Coed		...	...	...	...	...	...	...	Teignmouth		...	52	42	bc	bc	...	...
Aberystwyth		...	45	40	bc	bc	1.5	...	Torquay		0.02	49	44	bc	bc	...	...
England, E.		...	...	...	...	...	...	...	Paignton		0.02	50	44	bc	bc	...	...
Lowestoft		0.02	46	40	bc	bc	0.6	...	Ilfracombe		0.50	45	42	bc	bc	...	...
Felixstowe		0.01	48	42	bc	bc	0.5	...	Weston-super-Mare		...	...	...	bc	bc	...	...
Walton-on-Naze		...	48	41	bc	bc	0.5	...			...	...	...	bc	bc	...	...
Southend-on-Sea		...	48	41	bc	bc	0.5	...			...	...	...	bc	bc	...	...

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.		HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.				
		3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.				In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.		
				Max.	Min.									Max.	Min.						
24 HOURS ENDED 9 A.M. TO-DAY.																					
		%	%				In.				Hr.			In.							
Greenwich (Royal Obs.) ...		85	94	46	28	21	-	b.o	a.c	c.b	0.6	Dublin to 4 p.m.		0.05	41	34	31	od.b	bc	b	
City (Rushill Row) ...		*	*	*	*	*	*	*	*	*	0.0	Plymouth to 9 p.m.		0.02	51	29	28	o.bc	bc	bc	
Westminster (St. James's Pk.)		86	95	47	33	30	-	bc	bc	bc.bc	0.1	Darwen		0.13	45	29	35	avg	bc	bc	
Camden Sq. (Brit. Rainfall)		74	98	47	31	26	-	bc.c	bc	bc.b	0.0	Manchester "		0.07	48	34	29	o	o.c	b	
Hampstead (Reservoir) ...		*	86	44	31	25	-	bc.o	bc	b	0.0	Birmingham "		0.01	45	35	35	o	b	b	
Kew. (See front page.)		VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										Oxford to 8 p.m.									
				Total.		Average Rate.		Max. Rate.													
S. Kensington (Roof of M.O.)		85	91	151 Joules.		4.8 Milliwatts.		21 Milliwatts.		0.2		S. Kensington (Museum Grounds to 6 p.m.)		Trace	51	42	35	b.bc	bc.o	c.o	

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

26th 27th Jan. 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	7.47	12.6	4.24
	7.46	12.6	4.26
Greenwich	7.50	12.13	4.35
	7.49	12.13	4.37
Wick	8.34	12.25	4.45
	8.32	12.25	4.47
Valencia	8.33	12.54	5.14
	8.32	12.54	5.16

## NOTES ON YESTERDAY'S WEATHER.

During yesterday the temperature rose to between 45° and 50° in several English localities, but fell to below 32° at night over several parts of the Kingdom. A considerable amount of bright sunshine was recorded over the Kingdom as a whole. In Ireland the figure was as high as 6 hours, at Valencia. Slight precipitation occurred in various places, but as a rule the weather was dry.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrapping.



1913

12 23

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Monday,  
27th January 1913.

17 January, 1913.																						
YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
STATIONS.						BAROMETER.		TEMP.		WIND.		Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.						
At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dir.	Force (0 to 12).	Weather.	At 32° Fahr. and M.S.L. Lat. 46°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dir.	Force (0 to 12).	Weather.			Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'o. 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.				
Lerwick ... ..	In. 30.11	38	S	1	c	In. 30.01	+0.1	39	+4	-	0	c	1	0.36	40	33	op. o	eng	oprs	Hours		
Stornoway ... ..	30.10	41	SSW	6	o	29.96	-0.05	41	+2	SSW	5	r	4	0.17	41	38	o. eq	c. eq	c. eq	0.3		
Castlebay (Barra Isd.) ... ..	30.13	42	SSW	4	o	29.93	-0.03	44	+2	SE	5	o	6	-	44	40	o	o	o	0.0		
Malin Head... ..	30.11	38	SSW	4	bcy	29.90	-0.02	42	+8	S	4	oq	2	-	44	31	ben	ben	omq	.		
Blacksod Point ... ..	30.05	42	ESE	4	o	29.80	-0.09	45	+5	SSE	6	o	4	-	46	38	om	om	om	.		
Valencia ... ..	30.08	45	SE	5	o	29.75	-0.05	50	+12	ESE	5	rmq	4	0.04	50	38	be	c	om	0.2		
Roche's Point ... ..	30.18	45	SSE	4	o	29.87	.	48	+13	SE	5	o	5	0.05	48	34	c	c	c. opo	.		
Birr Castle ... ..	30.14	39	SE	1	c	29.88	.	43	+15	SE	2	o	.	-	44	27	be	c	c. o	3.7		
Donaghadee ... ..	30.22	39	S	2	bc	30.01	-0.06	44	+4	SSW	2	om	1	-	44	37	cq	bc	bc	.		
Liverpool Obsy. ....	30.31	35	ESE	3	b	30.11	-0.06	31	-1	SE	3	b	3	-	38	30	bm	b	b	4.9		
Holyhead ... ..	30.26	39	SE	4	b	30.03	-0.04	39	+5	SE	4	bc	3	-	42	33	b	b	bc	.		
Pembroke (St. Ann's Hd.) ... ..	30.24	41	SSE	5	bc	29.99	-0.05	45	+11	SSE	5	cgm	4	Trace	46	34	bc	ben	bm	2.2		
Newquay ... ..	30.21	49	SE	1	b	29.98	-0.04	45	+13	SE	3	bc	3	-	45	32	by	by	b. bc	5.5		
Scilly (St. Mary's) ... ..	30.12	46	ESE	4	cm	29.94	-0.07	49	+8	SE	5	om	5	-	50	41	cm	bm	om	3.0		
Jersey (St. Aubin) ... ..	30.29	44	NE	3	bm	30.10	.	42	-3	E	4	om	3	-	52	41	bm	bm	bm	0.2		
Portland Bill ... ..	30.31	44	E	4	c	30.09	-0.05	45	+8	SE	4	bc	4	-	46	36	b	bc	c. bc	.		
Dungeness ... ..	30.34	41	E	4	b	30.17	-0.06	40	+6	SE	4	bc	4	Trace	44	30	cq	f. r	bc	.		
Dover ... ..	30.40	38	NE	3	b	29.21	.	38	+3	SSE	3	b	2	0.02	43	37	bc	bc	bc	4.1		
Wick ... ..	30.13	36	SW	1	bc	30.10	-0.02	36	+5	-	0	c	2	-	37	31	om. b	b. bc	bc	.		
Nairn ... ..	30.14	35	W	1	o	30.00	.	32	+2	-	0	c	1	0.03	38	29	bc	oq	ep	1.4		
Aberdeen ... ..	30.21	34	SSW	3	b	30.05	-0.02	34	+5	WSW	1	c	2	-	38	28	bc. b	b	b. bc	4.7		
Leith ... ..	30.26	36	SW	1	m	30.07	-0.04	37	+9	SW	1	cq	.	Trace	39	25	f	by	by	.		
North Shields ... ..	30.34	35	SSE	2	bcy	30.14	-0.05	32	o	SSE	1	c	3	-	40	28	b	bc	c	4.2		
Spurn Head ... ..	30.36	39	S	2	bc	30.16	-0.03	35	-3	S	5	bc	4	-	43	33	bc	bc	bc	.		
Yarmouth ... ..	30.39	38	E	2	bc	30.22	-0.08	36	-3	S	1	b	2	-	46	34	b	b. bc	b	6.1		
Clacton-on-Sea ... ..	30.38	42	ESE	2	c	30.20	-0.08	40	+6	SSE	3	bc	3	-	43	34	bc	bc. c.	c. bc	6.3		
Nottingham... ..	30.35	33	E	1	b	30.16	.	31	+2	S	1	bm	.	-	46	27	bm	bm	b	4.0		
Bath ... ..	30.31	41	E	1	b	30.12	.	38	+7	NE	1	o	.	-	43	30	-	-	-	5.4		
London (Kew Obsy.)... ..	30.37	37	E	2	bm	30.18	-0.04	33	o	ESE	1	bm	.	Trace	42	31	bm	bm	bm	0.7		
Isafjord... ..	29.89	24	-	o	b	29.52	-0.17	33	+7	SE	8	c	.	.	.	.	.	.	.	.		
Reykjavik ... ..	29.80	35	E	3	o	29.25	-0.19	35	+2	E	7	r	.	.	.	.	.	.	.	.		
Vestmanna ... ..	29.80	37	E	8	c	29.35	-0.08	38	+2	E	10	r	.	.	.	.	.	.	.	.		
Seydisfjord ... ..	30.07	33	NE	2	c	29.89	-0.07	37	+6	SE	4	c	.	.	.	.	.	.	.	.		
Thorshavn ... ..	29.92	36	SE	4	r	29.95	-0.03	40	+7	SE	5	o	.	.	.	.	.	.	.	.		
Haparanda ... ..	30.05	-2	N	4	b	30.28	+0.12	-11	-16	N	4	b	.	-	7	-11	.	.	.	.		
Hernösand ... ..	30.01	8	N	2	b	30.21	+0.06	8	-2	N	2	bc	.	-	12	7	.	.	.	.		
Stockholm ... ..	29.91	19	NW	4	o	30.00	+0.02	16	-9	NW	6	o	.	-	25	14	.	.	.	.		
Wisby ... ..	29.89	25	N	8	o	29.98	+0.01	24	-4	N	6	o	.	Trace	30	21	.	.	.	.		
Karlstad ... ..	30.00	45	-	o	b	30.18	+0.02	7	-10	NNW	2	b	.	-	18	1	.	.	.	.		
Færder (X'tania Fjord) ... ..	30.03	31	WNW	1	b	30.17	+0.04	23	-1	NE	4	b	.	-	30	23	.	.	.	.		
Bodö ... ..	30.03	14	E	2	c	30.28	+0.04	12	-5	E	2	b	.	-	18	10	.	.	.	.		
Christiansund ... ..	30.00	33	N	2	c	30.21	+0.05	27	-8	-	o	b	.	0.16	36	27	.	.	.	.		
Skudesnaes ... ..	30.17	34	-	o	o	30.13	-0.02	32	+1	-	o	o	.	?	34	28	.	.	.	.		
The Scaw (Skagen)... ..	30.12	33	NNW	4	b	30.13	+0.01	33	+2	N	2	bc	.	-	33	28	.	.	.	.		
Blaavands Huk ... ..	30.25	35	NW	1	r	30.19	-0.04	36	+1	SSE	3	o	.	Trace	36	32	.	.	.	.		
Cuxhaven ... ..	30.31	36	NW	2	b	30.27	-0.02	34	-2	W	3	coc	.	-	37	31	.	.	.	.		
The Helder ... ..	30.42	32	N	1	b	30.28	-0.04	26	-11	SSE	2	b	.	-	41	26	.	.	.	.		
Brussels ... ..	30.42	33	ESE	1	b	30.28	-0.04	28	-6	ESE	1	b	.	-	42	26	.	.	.	.		
Berlin ... ..	30.24	33	W	3	c	30.25	0.00	35	o	NW	3	o	.	0.04	36	32	.	.	.	.		
Frankfurt ... ..	30.43	33	NE	1	b	30.38	-0.03	27	-14	NE	1	b	.	-	45	27	.	.	.	.		
Munich ... ..	30.39	32	NW	2	c	30.41	-0.02	22	-17	SE	3	b	.	0.08	39	21	.	.	.	.		
C. Gris Nez... ..	30.39	36	ESE	4	bc	30.19	-0.06	32	-9	ESE	3	b	.	-	43	32	.	.	.	.		
La Hève ... ..	30.30	37	E	3	m	30.17	.	32	-13	E	4	m	.	-	48	32	.	.	.	.		
Brest (St. Mathieu) ... ..	30.25	46	E	2	bc	30.02	-0.06	44	+4	ESE	4	m	.	-	48	40	.	.	.	.		
Lorient (Bec Meles)... ..	29.96	46	SE	3	b	30.00	.	42	-3	SE	3	f	.	-	52	41	.	.	.	.		
Rochefort (Ile d' Aix) ... ..	30.25	49	NNW	3	c	30.06	.	42	-6	E	3	m	.	-	50	39	.	.	.	.		
Biarritz ... ..	30.19	53	ESE	3	b	30.02	.	52	o	S	2	o	.	-	61	45	.	.	.	.		
Paris ... ..	30.34	39	ESE	2	b	30.19	-0.06	30	-13	ESE	2	b	.	-	46	29	.	.	.	.		
Belfort ... ..	30.30	36	ESE	6	r	30.24	.	27	-14	E	6	b	.	0.08	43	27	.	.	.	.		
Lyons ... ..	30.23	46	NNW	1	o	30.23	.	36	-5	NW	1	f	.	0.04	50	35	.	.	.	.		
Nice ... ..	30.07	46	-	o	o	30.18	+0.04	42	-11	-	o	o	.	-	54	39	.	.	.	.		
Perpignan ... ..	30.21	53	N	1	b	30.12	-0.03	38	-14	NW	1	b	.	-	63	37	.	.	.	.		
Sanguinaire ... ..	30.04	51	WSW	1	m	30.08	.	50	.	SE	2	m	.	-	55	45	.	.	.	.		
Corunna (S. a. m.) ... ..	30.15	55	SSW	2	o	29.91	0.00	54	o	SSW	3	o	.	0.04	61	50	.	.	.	.		
Lisbon (S. a. m.) ... ..	30.15	56	SSE	3	o	30.06	+0.02	53	+4	SSW	4	r	.	0.04	59	55	.	.	.	.		
Gibraltar ... ..	30.22	57	SE	2	b	30.20	.	57	+5	W	1	o	.	0.01	65	51	.	.	.	.		
Azores (P. Delgada) ... ..	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
Azores (Horta) ... ..	29.60	55	ESE	1	b	29.77	+0.03	57	+2	SW	1	c	.	0.24	59	54	.	.	.	.		
Madeira (Funchal) ... ..	30.13	63	?	?	?	30.13	+0.1	63	o	?	?	c	.	-	63	52	.	.	.	.		

## GALES.

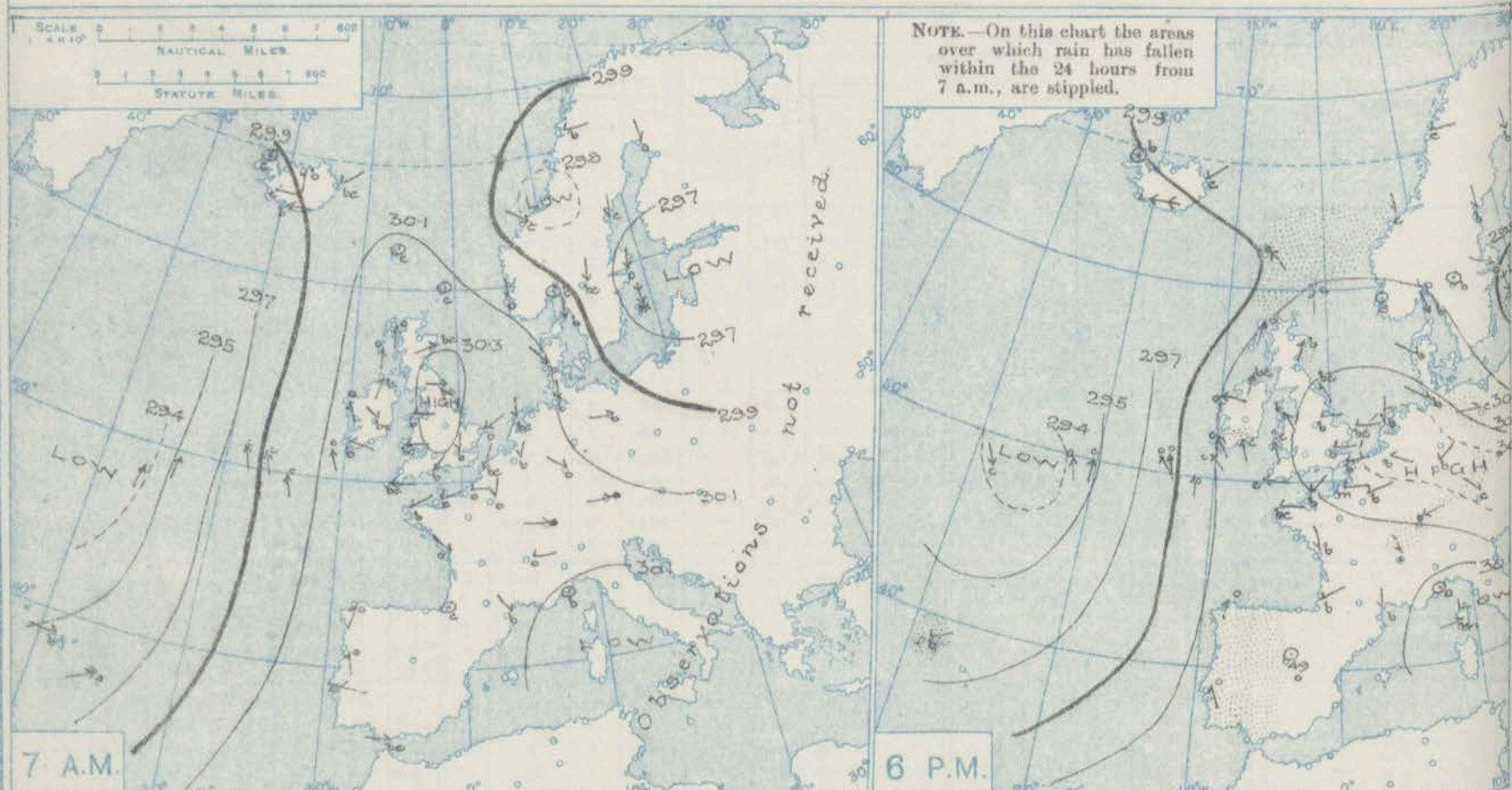
Duration and Extreme Force  
on British Coasts.

\* Information for these columns not usually received.

† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 26th JAN.



## GENERAL INFERENCE

The large depression over the Atlantic is likely to spread eastward and to occasion freshening South-easterly winds over the whole of the

## WEATHER PROSPECTS.

United Kingdom. Rain will set in to-day over our western districts, and will extend later to other parts of the country.

## FORECASTS FOR THE 24 HOURS NOON Monday TO NOON Tuesday.

0 {  
a  
b

1

2 {  
a  
b

3

4 {  
a  
b

5

South-easterly winds, freshening; fair to-day, rain or sleet to-morrow; remaining cold.

Easterly and South-easterly winds, freshening; fine to-day, but misty in places, some rain or sleet to-morrow; remaining cold.

### FORECAST DISTRICTS:



### STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Coast.	South Coast.
North Coast.	North Coast.

South Coast hoisted this morning at 8.50 a.m. in Districts 8, 10 and 11.

6 {  
a  
b

7 {  
a  
b

8 {  
a  
b

9 {  
a  
b

10 {  
a  
b

South-easterly winds, freshening; fair at first, some rain or sleet later; remaining cold.

South-easterly winds, increasing to a gale; dull, rainy; milder.

South-easterly winds, increasing in force; dull, some rain; mild.

Same as No. 8.

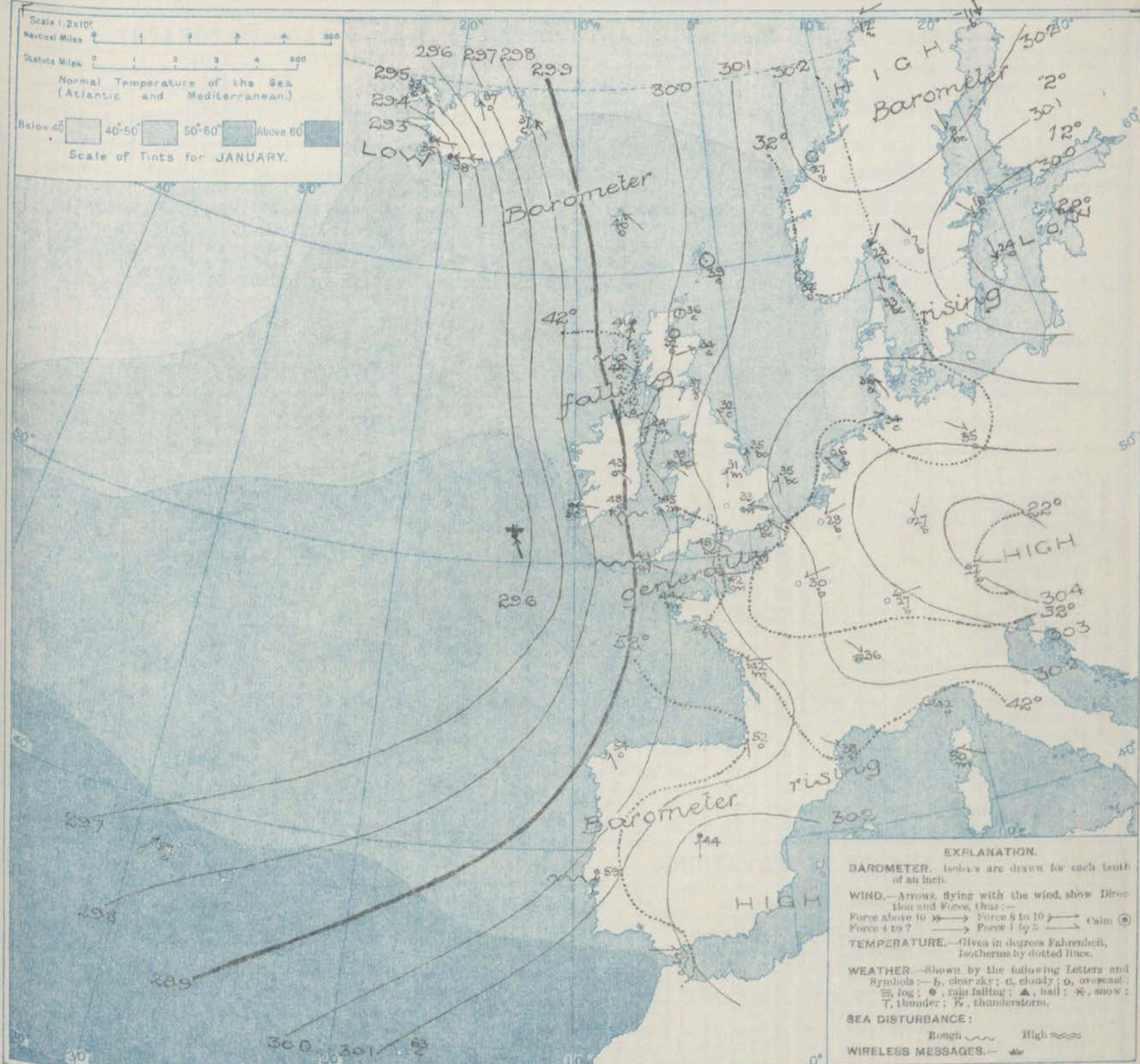
### 11 WESTERN CHANNEL AND BAY.

South-easterly winds, increasing to a gale, with rainy weather and a rough sea.

### THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. MONDAY, 27th JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

The anticyclone noticed yesterday has passed away to Germany, but a new high pressure system has appeared over northern Scandinavia. A large depression is spreading eastward from the Atlantic, and is causing a fall of the barometer over western Europe generally.

Over the United Kingdom and France the wind varies between South and East, and on our extreme west and south-west coasts it is freshening. Over southern Iceland the Easterly wind blows with the force of a strong gale. Temperature has

risen briskly in the west, and on our extreme south-west coasts the readings of the thermometer now range between 48° and 50°. Slight frost prevails over the central parts of Great Britain, and sharp frost over the Netherlands and Germany. In Scandinavia the readings of the thermometer are mostly below 20°, and at Reparanda a temperature of -11° F. is reported. The weather is fine over Great Britain & the western portions of the Continent, but is dull in Ireland and the Hebrides, with rain in places. The Sea is rather rough on our S.W. coasts, & rough off the southern Hebrides.



## DAILY WEATHER REPORT.

Monday, 27th January, 1913

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
27th, Jan.	51	12	Mauretania	H	29.51	+0.05	SSE	6-7	r	26th, Jan.	48	26	Mauretania	H	29.35	-0.01	SSW	4-5	c
26th, 6 p.m.	48	28	Beltic	O	29.39	+0.06	SSW	4-5	c	"	49	24	Beltic	O	29.58	?	SSW	4-5	c
"	49	22	Empress of Ireland	O	29.47	-0.10	SSE	6-7	o	"	50	17	Ausonia	H	29.84	-0.01	SSE	4-5	c
"	49	20	Mauretania	H	29.42	+0.03	S	4-5	c	"	50	16	Haverford	H	29.93	+0.01	SSE	4-5	c
"	50	14	Ausonia	H	29.84	0.00	SE	12	o	"	48	16	Thimbletonha	H	30.03	+0.02	S	4-5	c
"	50	13	Haverford	H	29.88	-0.03	SSE	6-7	o	"	49	14	Thimbletonha	O	30.04	-0.01	SSE	6-7	o
"	49	12	Thimbletonha	O	30.01	-0.03	S	4-5	o	"	55	12	Bameronia	O	30.06	-0.05	SSE	6-7	o
"	51	10	Bameronia	O	29.98	-0.13	SE	4-5	o										

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.	
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.
Scotland.		In.					Hr.	England, S.E.		In.				
(Oban ...)								Margate ...			49	38	b.c.	b.c.
Stonehaven ...								Ramsgate ...		0.05	47	36	c.op	b.c.
St. Andrews ...								Deal ...		0.03	44	33	b.c.	b.c.
Carnoustie ...								Folkestone ...		0.03	44	35	r.b.c.	b.c.
England, N.E.								Littlestone ...						
Harrogate ...			39	28	b.	b.c.	3.9	Hastings ...			44	33	b.c.	b.c.
Scarborough ...			45	34	c.b.	c.b.	4.6	Bexhill-on-Sea ...			44	34	b.c.	b.c.
England, N.W.								Eastbourne ...			44	35	m.b.c.	op.o
Blackpool ...			40	25	b.	c.	3.6	Seaford ...						
Southport ...			40	27	b.	b.	3.3	Brighton ...			45	34	b.b.c.	b.c.
Buxton ...								Worthing ...			44	33	b.	b.
Matlock ...								Littlehampton ...						
Douglas ...								Bognor ...						
Wales.								Southsea ...			46	38	b.	b.
Rhyll ...			40	26	b.	b.	5.0	Bournemouth ...			43	31	b.	b.
Colwyn Bay ...			42	30	b.c.	b.c.	5.4	Weymouth ...			43	34	b.	b.c.
Llandudno ...			42	30	b.	b.	5.5	Teignmouth ...			46	35	b.	b.c.
Bettws-y-Coed ...								Torquay ...			45	34	b.	b.c.
Aberystwyth ...			44	32	b.c.	b.c.	5.5	Paignton ...			45	35	b.	b.c.
England, E.								Ilfracombe ...			43	35	b.	b.
Lowestoft ...			43	33	b.c.	b.c.	6.0	Weston-super-Mare ...			41	30	b.	b.
Felixstowe ...			43	31	b.	b.	4.1							
Walton-on-Naze ...			48	43	b.	b.	5.8							
Southend-on-Sea ...			50	32	b.	b.	5.0							

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.		
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.	
			Max.	Min.		Max.												Min.
			24 HOURS ENDED 9 A.M. TO-DAY.															
Greenwich (Royal Obs.) ...	%	%	43	28	20	-	b.c.	b.b.c.	b.x.	5.1	Dublin to 4 p.m.	In.	43	33	30	c.b.c.	b.c.	
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	2.1	Plymouth to 9 p.m.	-						
Westminster (St. James's Pk.)	75	95	44	34	28	-	b.c.	b.c.	b.x.m.	2.4	Darwen "							
Camden Sq. (Brit. Rainfall)	-	95	42	27	24	-	b	b	b.c.f.	2.5	Manchester "	-	42	31	19	c.b.f.	b.f.b.	
Hampstead (Reservoir) ...	*	93	40	30	22	-	b.f.	b.f.	b.c.f.	2.9	Birmingham "	-	39	31	15	b	b	
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									Oxford to 8 p.m.	*	43	31	25	c.b.b.	b.b.c.
			Total.		Average Rate.		Max. Rate.											
S. Kensington (Roof of M.O.)	-	97	287 Jones.		9.1 Milli-watts.		2.0 Milli-watts.		0.6	S. Kensington (Museum Grounds to 6 p.m.)	-	43	33	21	c.b.c.	b.c.b.m.	b.c.m.	

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

27th & 28th 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 7.46 7.44	G.M.T. 12.6 12.6	G.M.T. 4.26 4.28
Greenwich ...	7.49 7.47	12.13 12.13	4.37 4.39
Wick ...	8.32 8.30	12.25 12.25	4.17 4.19
Valencia ...	8.32 8.30	12.54 12.54	5.16 5.18

Over a large portion of the United Kingdom the thermometer yesterday failed to reach 45°, and at several of our northern and central stations it did not reach 40°. Sharp frost occurred over Great Britain during the night. The amount of bright sunshine was generally large. Showers were experienced on some parts of our south-east coasts. Wireless reports show that as far west as the 26th meridian ships experienced fresh to strong winds from the Southward and cloudy weather.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrapping.



12-28

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Tuesday,  
28 January 1913.

28 January 1913.																						
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		BAROM.		TEMP.	WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Sea (0 to 3).	Rain- fall.	TEMP.		WEATHER.						
		At 32° Fahr. and M.S.L. Lat. 46°.	Dry Bulb.	Dirac.	Force (0 to 12).		At 32° Fahr. and M.S.L. Lat. 46°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dirac.			Force (0 to 12).	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'o. 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.			
BRITISH ISLANDS.	Lerwick ...	In.					In.	In.						In.							Hours	
	Stornoway ...	30.06	42	ESE	4	o	30.04	-.01	40	+1	ESE	6	o	5	0.11	42	38	omv	op	opq	*	
	Castlebay (Barra Isd.) ...	29.86	42	SE	4	o	29.77	-.02	43	+2	SE	3	o	3	0.06	44	41	odp	o	o	0.0	
	Malin Head ...	29.80	43	SE	5	oqm	29.74	.00	42	-2	SE	5	d	6	0.06	45	40	om	omq	omq	0.0	
	Blacksod Point ...	29.72	44	S	7	oqm	29.65	-.02	41	-1	S	6	hmq	5	0.10	45	40	omq	omq	omq	*	
	Valencia ...	29.59	48	SE	5	m	29.50	-.01	47	+2	SE	5	o	4	0.16	48	44	omq	omq	omq	*	
	Roche's Point ...	29.57	51	SSE	4	pm	29.49	-.01	49	-1	SSE	2	rm	4	0.08	52	49	otm	otm	otm	0.0	
	Birr Castle ...	29.67	49	S	6	d	29.53		49	+1	S	3	f	5	0.59	50	48	d	d	df	*	
	Donaghadee ...	29.69	47	SE	4	o	29.54		45	+2	SSE	4	o	*	0.10	48	42	c	opd	od. or	0.0	
	Liverpool Obsy. ...	29.87	45	S	3	og	29.76	-.03	42	-2	SE	4	agr	4	Trace	45	42	ag	omq	omq	*	
	Holyhead ...	29.94	37	ESE	3	o	29.83	-.03	35	+4	ESE	5	o	4		38	31	omv	o	o	0.0	
	Pembroke (St. Ann's Hd.) ...	29.87	43	S	3	m	29.71	-.03	44	+5		o	r	0	0.01	45	38	og	og	om	*	
	Newquay ...	29.83	45	SE	5	o	29.65	-.06	44	-1	ESE	7	rmq	5	0.19	45	43	cgm	cgg	cgm	0.0	
	Scilly (St. Mary's) ...	29.81	45	SE	4	o	29.66	-.01	49	+4	SE	3	om	2	0.19	49	44	o	o	od. or	0.0	
	Jersey (St. Aubin) ...	29.75	49	SSE	6	otm	29.63	-.01	50	+1	S	2	otm	4	0.38	51	46	otm	otm	otm	0.0	
	Portland Bill ...	29.96	43	SE	4	om	29.80		46	+4	ESE	4	ogrm	3	0.16	46	40	om	om	om. or	0.0	
	Dungeness ...	29.92	46	SE	4	o	29.77	-.03	47	+2	ESE	5	r	4	0.02	47	43	c. o	o	or	*	
	Dover ...	30.00	41	ESE	3	bc	29.88	-.01	43	+3	SE	4	o	4		43	37	bc	bc	o	*	
	Wick ...	30.05	39	SE	3	b	29.94		41	+3	ESE	2	c	4		41	36	b	b	b. bc	5.1	
	Nairn ...	29.93	41	SE	4	c	29.90	-.01	42	+6	SE	7	c	5	Trace	43	35	omv	om	om. or	*	
Aberdeen ...	29.90	34		o	o	29.85		39	+7	E	1	o	1		39	31	omv	og	o	0.0		
Leith ...	29.99	39	SSE	3	c	30.00	+0.02	41	+7	SSE	6	o	4		41	33	c. om	om. c	c. o	0.0		
North Shields ...	29.91	36	ESE	2	o	29.94	+0.01	39	+2	SE	3	op	*	Trace	39	34	fc. y	og	o	*		
Spurn Head ...	?29.95	36	SSW	2	y	29.97	-.01	40	+8	S	3	o	3		40	29	og	og	og. o	0.0		
Yarmouth ...	30.02	39	SSE	4	bc	29.94	.00	40	+5	ESE	6	c	5		40	35	bc	bc	c	*		
ICELAND & FAEROE.	Clacton-on-Sea ...	30.10	39	SE	3	bc	30.00	.00	40	+4	E	5	c	5		42	35	b. bc	bc	bc	4.9	
	Nottingham ...	30.05	40	ESE	3	o	29.93	-.02	42	+2	ESE	4	o	3		42	39	bc	bc. ogm	og	5.0	
	Bath ...	30.00	35	ESE	2	o	29.91		34	+3	E	3	o	*		39	29	bm. co	o	o	0.0	
	London (Kew Obsy.) ...	29.97	42	SE	3	o	29.83		41	+3	SE	3	o	*		44	38				0.7	
	Isafjord ...	30.03	37	ESE	2	om	29.90	-.01	39	+6	E	3	om	*	Trace	42	32	om. bc	om. or	om	2.5	
	Reykjavik ...	29.24	39		o	o	29.51	+0.14	36	+3	SW	4	bc	*		*	*	*	*	*		
	Vestmanna ...	29.16	41	E	3	o	29.56	+0.08	34	-1		o	o	*		*	*	*	*	*		
	Seydisfjord ...	29.25	43	SE	2	r	29.52	+0.01	46	+9	SE	4	r	*		*	*	*	*	*		
	Thorshavn ...	29.57	39	E	5	r	29.52	+0.01	46	+9	SE	4	r	*		*	*	*	*	*		
	Haparanda ...	29.90	41	SSE	5	r	29.82	-.01	42	+2	SSE	6	o	*		*	*	*	*	*		
SCANDINAVIA.	Hernösand ...	30.55	-15	N	2	b	30.53	+0.03	-18	-7	NW	2	b	*		-9	-18					
	Stockholm ...	30.50	3	N	4	b	30.69	+0.05	-7	-15	N	2	b	*		9	-8					
	Wisby ...	30.20	17	N	2	o	30.50	+0.08	14	-2	N	2	b	*	0.12	18	-4					
	Karlstad ...	30.13	23	N	6	o	30.38	+0.11	23	-1	ENE	2	b	*	0.12	25	19					
	Färder (X'ania Fjord) ...	30.41	4	N	2	b	30.58	+0.08	13	+6	N	2	b	*		16	1					
	Bodö ...	30.38	21	NE	5	b	30.56	-.03	18	-8	NE	6	o	2		25	16					
	Christiansund ...	30.46	14	E	2	b	30.46	-.01	16	+4	E	2	b	2		23	14					
	Skudesnaes ...	30.34	32	NE	1	b	30.39	+0.01	27	o		o	b	2		30	23					
	The Scaw (Skagen) ...	30.28	32	SE	2	b	30.40	+0.01	29	-3	ESE	4	b	2		32	28					
	Blaavands Huk ...	30.35	22	ENE	3	b	30.47	+0.02	22	-11	E	4	o	1		33	18					
GERMANY, &c.	Cuxhaven ...	30.25	30	ESE	3	bc	30.38	+0.04	18	-18	E	3	b	1	Trace	36	16					
	The Helder ...	30.19	33	S	1	o	30.30	+0.02	28	-6	E	4	b	*		36	27					
	Brussels ...	30.15	35	E	2	b	30.13	+0.01	34	+8	E	4	o	2		37	27					
	Berlin ...	30.09	33	ENE	1	b	30.01	-.01	33	+5	ESE	1	b	*		42	26					
	Frankfurt ...	30.17	35	NW	2	o	30.30	+0.04	26	-9	N	2	o	*	Trace	37	27					
	Munich ...	30.17	32	NE	1	b	30.14	+0.01	30	+3	NE	1	o	*		41	27					
	C. Gris Nez ...	30.20	29	E	2	o	30.17	-.01	28	+6	W	2	f	*		34	23					
	La Hève ...	30.03	34	ESE	3	bc	29.92	-.01	36	+4	SE	4	c	2		39	32					
	Brest (St. Mathieu) ...	29.92	39	E	4	m	29.87		33	+11	SE	4	m	3		39	32					
	Lorient (Bec Melen) ...	29.86	45	SE	4	m	29.71	.00	50	+6	SE	3	o	3	0.20	?50	?44					
FRANCE.	Rochefort (Ile d' Aix) ...	29.89	46	SE	3	f	29.70		50	+8	SE	2	f	2	0.20	52	42					
	Biarritz ...	29.95	48	S	3	bc	29.84		53	+11	WSW	4	o	*	0.04	53	41					
	Paris ...	29.97	58	SSE	3	bc	29.97		58	+6	W	3	c	2		63	52					
	Belfort ...	30.05	37	SE	1	b	29.94	-.02	41	+11	SSE	1	o	*		43	28					
	Lyons ...	30.13	34	E	4	m	30.08		34	+7	E	2	o	*		38	27					
	Nice ...	30.13	40	NE	1	b	30.05		43	+7	SE	1	o	*		46	36					
	Perpignan ...	30.20	47		o	o	30.03	-.05	45	+3		o	o	2		54	41					
	Sanguinaire ...	30.10	43	NW	1	b	30.02	-.02	42	+4	SW	1	o	*		55	37					
	Corunna (S. a. m.) ...	29.87	62	SSW	6	o	29.99	.00	53	-1	SSW	1	o	2	0.04	61	50					
	Lisbon (S. a. m.) ...	30.08	57	SW	5	r	30.12	+0.02	58	-1	SW	4	r	6	0.20	61	57					
SPAIN, PORTUGAL, &c.	Gibraltar ...	30.23	61	W	2	b	30.21		58	+1	W	3	bw	o		68	55					
	Azores (P. Delgada) ...																					
	Azores (Horta) ...	29.90	51	NNE	4	r	30.12	+0.11	52	-5	NNW	4	c	3	0.71	61	52					
	Madeira (F																					

## GALES.

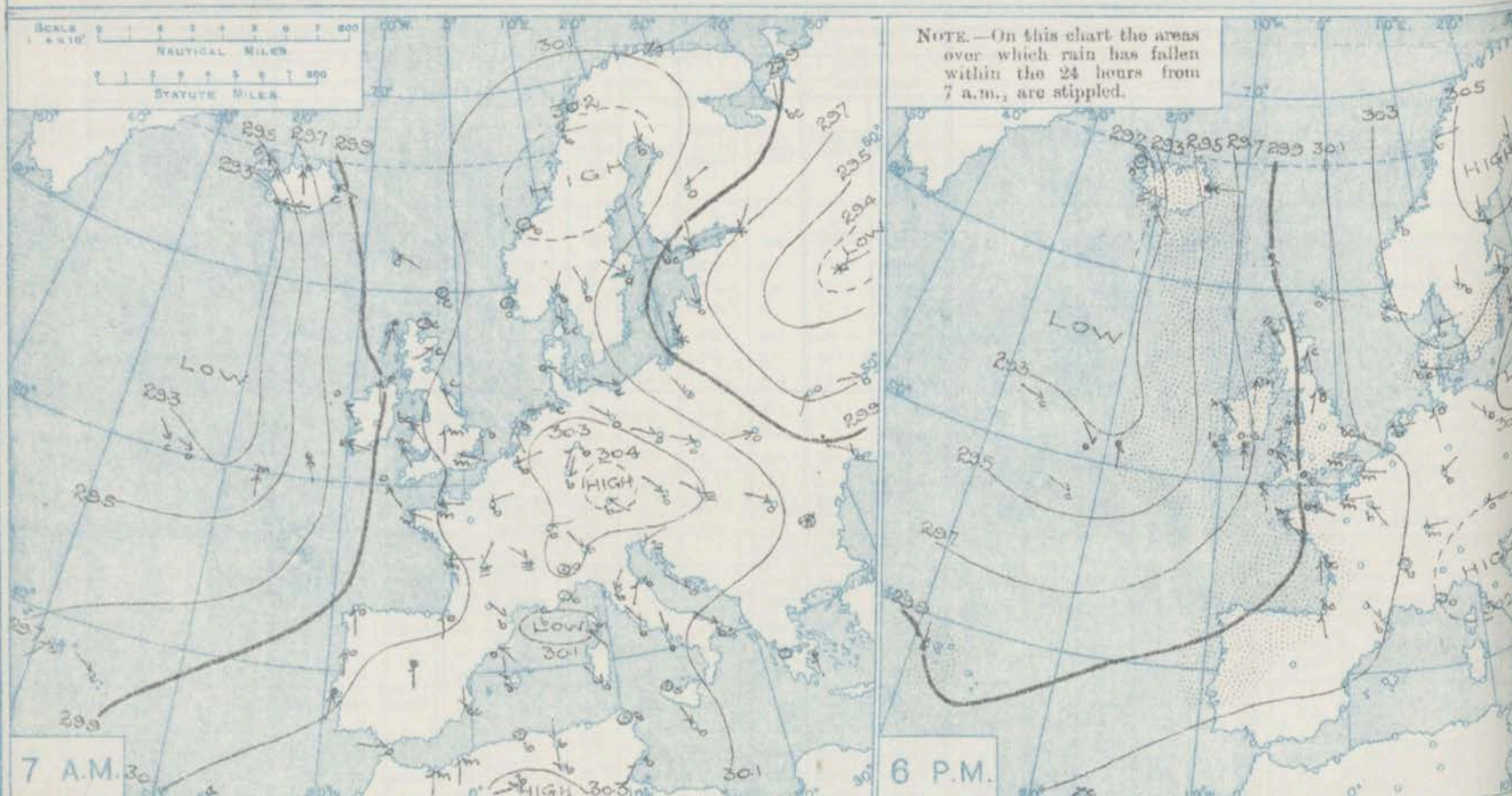
Duration and Extreme Force  
on British Coasts.

\* Information for these columns not usually received.

† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 27<sup>TH</sup> JAN. 1913.



GENERAL INFERENCE

## WEATHER PROSPECTS.

The anticyclone over northern Europe appears likely to extend westward and southward, but for the present the weather over the United Kingdom will be influenced mainly by the depression which lies

off the west of Ireland. The South-easterly wind is likely to blow strongly on our north and east coasts, and rain or sleet will be experienced in all districts.

### FORECASTS FOR THE 24 HOURS NOON Tuesday TO NOON Wednesday.

0 { South-easterly winds, strong on coast; dull, some rain, snow or sleet in places; normal temperature.

1 {

2 {

3 { Easterly and South-

4 { Easterly winds, moderate;

5 { dull, misty, some rain;

rather milder.

#### FORECAST DISTRICTS.



#### STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

South Cone hoisted yesterday at 8.50 a.m. in Districts 8, 10 and 11.

6 { South-easterly winds, fresh or strong in places; dull, some cold rain or sleet; rather milder.

7 {

8 { Southerly and South-easterly winds, strong in places; dull and misty, with occasional rain; mild.

9 { Southerly and South-easterly winds, strong in places; mild, unsettled, occasional rain.

10 {

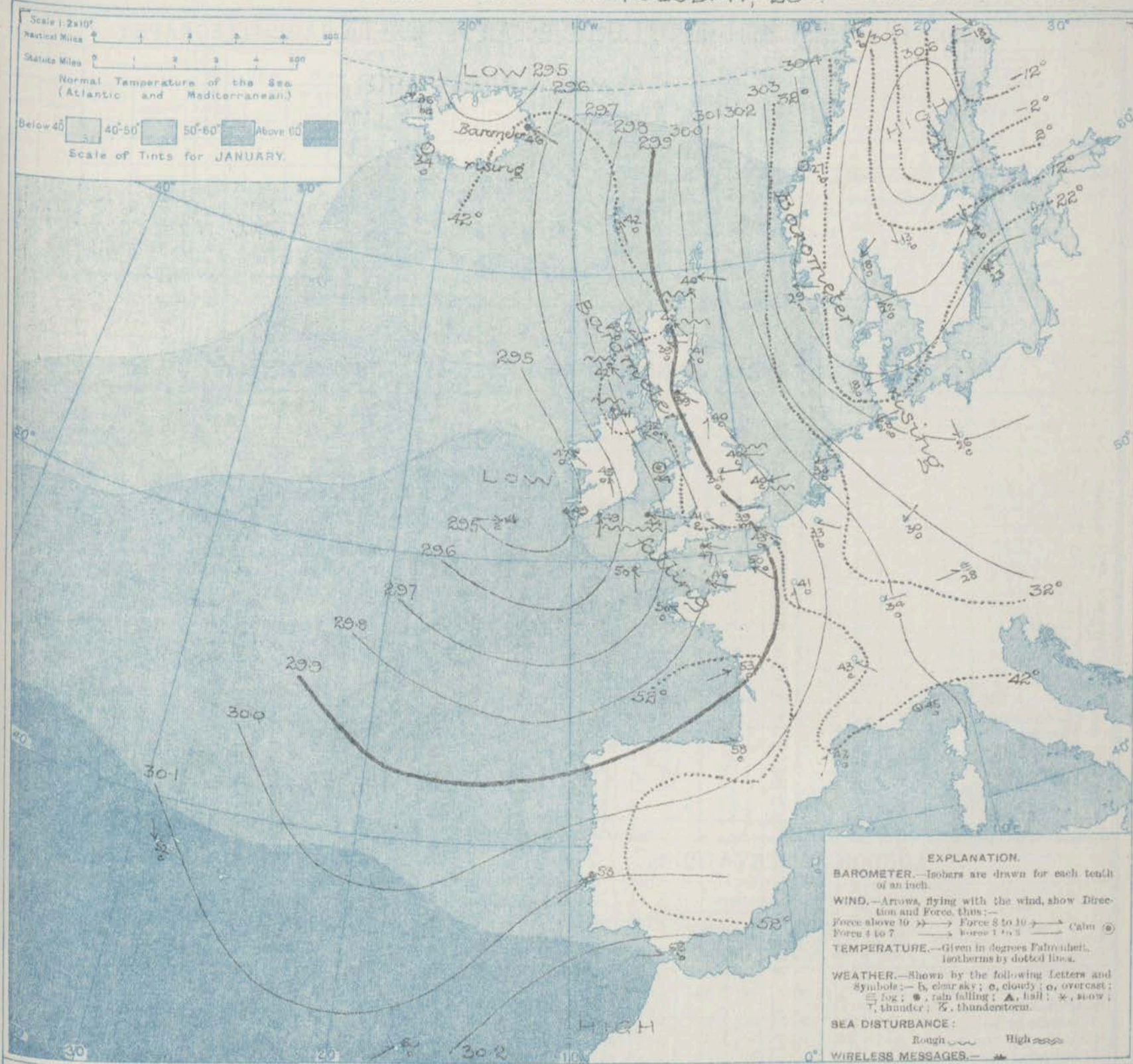
11 WESTERN CHANNEL AND BAY.

Moderate Southerly winds mouth channel, South-Westerly winds Bay, with a moderate sea; dull and misty, with occasional rain; mild.

THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. TUESDAY, 28<sup>TH</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

The depression over the Atlantic shows a continued tendency to spread eastward, so that the Barometer is still falling in most parts of the United Kingdom and France. The anticyclone over N. Europe is increasing in intensity, and is apparently spreading southwards.

South-easterly winds still prevail over the United Kingdom and the neighbouring portions of the Continent, and blow strongly on several of the more exposed parts of our coasts. In the south-west of France the wind has veered to the Westward or South-Westward. Temperature has

risen over Great Britain, France and the Netherlands, fallen elsewhere. Over the United Kingdom the morning readings range from between 47° and 50° on our southern west and south-west coasts to a trifle below 35° over central England. Frost prevails in Germany, and hard frost in Scandinavia and Denmark. The weather is fine in Scandinavia, Denmark and north Germany, but cloudy and misty elsewhere, with rain in several parts of the United Kingdom, as well as in eastern Iceland. The sea is rather rough on nearly all the more exposed parts of the coast.



## DAILY WEATHER REPORT.

Tuesday, 28th January, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEA- THER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEA- THER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
					In.	Io.		(0-12).							In.	In.		(0-12).	
28th, Jan.	51	14	<u>Royal Edward</u>	H	29.45	+0.6	W	6-7	c										
27th, 6pm	53	27	<u>Gemeronia</u>	O	29.32	-0.2	WNW	6-7	c	27th, Jan	51	25	<u>Royal Edward</u>	H	29.36	00	NW	4-5	
-	48	21	<u>Minnehaha</u>	O	29.46	+0.7	WNW	6-7	c	-	51	23	<u>Montcalm</u>	O	29.33	-01	NW	4-5	
-	51	20	<u>Royal Edward</u>	H	29.31	-0.3	NNW	4-5	o	-	49	17	<u>Minnehaha</u>	O	29.38	-06	S	6-7	
										-	49	21	<u>Germania</u>	O	29.39	+17	NW	6-7	

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall. In.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.	Rainfall. In.	TEMPERATURE.		WEATHER.	
			Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.
Scotland.	Oban	...	...	...	...	...	...	Margate	...	41	34	b	b.c.
	Stonehaven	...	...	...	...	...	...	Ramsgate	...	43	36	b	b.c.
	St. Andrews	...	37	32	o	o	0.0	Deal	...	41	36	b.c.	om.b.
	Carnoustie	...	...	...	...	...	...	Folkestone	...	43	38	b.c.	b.c.
England, N.E.	Harrogate	...	35	28	o.c.	o	0.0	Littlestone	...	...	...	...	...
	Scarborough	...	40	32	o.c.	o.c.	2.5	Hastings	...	43	38	b	b.c.
	Blackpool	...	38	31	om	o	0.0	Bexhill-on-Sea	...	43	40	b	b.c.
	Southport	...	38	31	o.b.c.	o	0.0	Eastbourne	...	51	35	b	og
England, N.W.	Buxton	...	35	26	...	b.c.	0.0	Seaford	...	45	38	b	o.
	Matlock	...	...	...	...	...	...	Brighton	...	45	37	b.c.	o
	Douglas	...	...	...	...	...	...	Worthing	...	41	39	b	b
	Rhyl	...	40	28	...	...	...	Littlehampton	...	...	...	...	...
Wales.	Colwyn Bay	...	43	34	b.c.	b.c.	0.3	Bognor	...	46	39	b.c.	b.c.
	Llandudno	...	42	33	b.c.	b	0.1	Southsea	...	46	32	c.o.	o
	Bettws-y-Coed	...	...	...	...	...	...	Bournemouth	...	...	...	...	...
	Aberystwyth	...	44	33	o.c.	o.c.	0.0	Weymouth	...	45	42	b.c.	c.o.
England, E.	Lowestoft	...	43	33	b.c.	b.c.	5.0	Teignmouth	...	46	45	b.c.	c
	Felixstowe	...	42	34	b.c.	b	5.4	Torquay	...	47	43	o	o
	Walton-on-Naze	...	42	37	b	b	5.4	Paignton	...	47	36	c	b.c.
	Southend-on-Sea	...	43	34	b	b	5.0	Ilfracombe	...	46	37	o	o
								Weston-super-Mare	...	44	32	c.b.c.	c

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			
	3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.		
			Max.	Min.														Max.	Min.
	%	%				In.				Hr.		In.							
Greenwich (Royal Obey.) ...	82	97	42	34	29	-	b	b.c.	o	4.5	Dublin to 4 p.m.	0.01	4	39	35	c.o.	c	otg	
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	0.0	Plymouth to 9 p.m.								
Westminster (St. James's Pk.)	77	96	43	36	31	-	b.c.	b.c.	b.c.m.	1.6	Darwen "	-	36	30	27	b.c.	og	og	
Camden Sq. (Brit. Rainfall)	80	98	40	30	31	-	f.b.c.	c.	b.c.m.	0.4	Manchester "	-	40	30	20	b.c.o	c	c.o.	
Hampstead (Reservoir) ...	*	99	40	31	27	-	of	of	of	0.0	Birmingham "	-	38	30	20	o	o	o	
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.											42	35	28	b.m.om	om	b.m.om
			Total.		Average Rate.		Max. Rate.												
S. Kensington (Roof of M.O.)	76	93	266 Joules.		8.4 Milli-watts.		17.5 Milli-watts.		0.9	S. Kensington (Museum Grounds to 6 p.m.)	-	42	34	23	b.b.caf	of.b.c.	b.c.c.		

## NOTES ON YESTERDAY'S WEATHER.

Over the greater part of the United Kingdom the thermometer yesterday failed reach 45°, and at many northern stations it did not touch 40°. Considerable amounts of bright sunshine were recorded on our east and south-east coasts, but elsewhere there was little or none. Rain fell at most of our western and northern stations. Wireless reports show that as far west as the 17th meridian ships experienced strong southerly winds, and dull, unsettled weather; further to the westward the wind was north-westerly, and the weather fair.

NOTE.—The information relating to weather is indicated by the following letters:—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrapping.



1913

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Wednesday,  
29th January 1913.

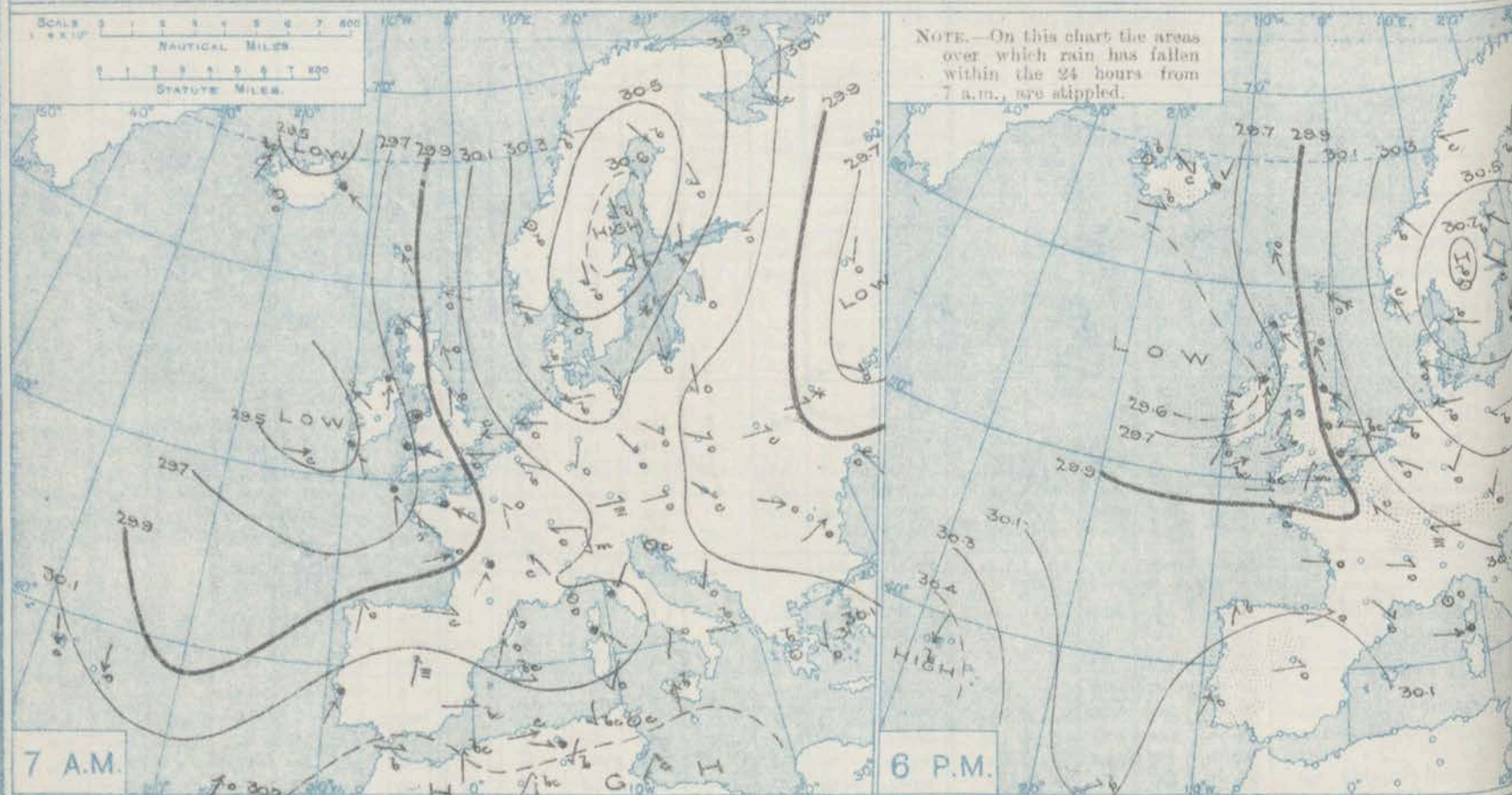
20th January 1913.																								
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.								PAST 24 HOURS.					Sun shine for Yester- day.				
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.		Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.			
		At 32° Fabr. and M.S.L. Lat. 46°.	Dry Bulb.	Dir.	Change since 4 a.m.				At 32° Fabr. and M.S.L. Lat. 46°.	Change since Yester- day.	Dir.	Change since Yester- day.	Dir.	Max.					Min.		Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.	
Lerwick ... ..		In.						In.	In.								In.			omg.	og	omg.	*	
Stornoway ... ..		29.77	43	SE	5	odp		29.66	-.04	43	+2	SE	6	o	5	0.06	45	40	o	op	odp.	0.0		
Castlebay (Barra Isd.) ... ..		29.67	40	SE	6	rg		29.60	-.03	46		SSE	5	o	6	0.20	46	39	d	d.rg	r.dg.	0.0		
Malin Head ... ..		29.57	42	S	5	rgm		29.64	-.02	42	+3	SSW	5	cg	3	0.09	45	39	rmg	rmg	cg	*		
Blacksod Point ... ..		29.51	47	SSW	6	m		29.59	.00	47	o	SSW	6	m	4	0.18	48	45	omd	omd	omd	*		
Valencia ... ..		29.73	48	SW	3	o		29.79	+0.02	46	-3	S	1	o	4	0.03	50	43	spv	e.o	om	1.3		
Roche's Point ... ..		29.77	47	SW	4	bc		29.82	*	46	-3	-	o	c	4	0.03	51	44	fd.o.c	c.bc	b.o.c	*		
Birr Castle ... ..		29.67	46	SW	1	c		29.75	*	39	-6	SE	1	c	*	0.08	51	38	o.c	c	c	0.5		
Donaghadee ... ..		29.70	44	ESE	4	rm		29.78	.00	43	+1	SSE	2	o	3	0.47	46	40	omv	omv	omv	*		
Liverpool Obsy. ... ..		29.84	40	ESE	4	o		29.86	-.01	40	+5	SE	2	m	2	0.25	42	35	or	o	of	0.0		
Holyhead ... ..		29.75	46	SW	5	o		29.82	.00	45	+1	-	o	o	0	0.36	47	42	or	om	om	*		
Pembroke (St. Ann's Hd.) ... ..		29.80	47	WSW	3	b		29.77	-.03	45	+1	SSE	1	og	3	0.27	49	43	omg	f.	b	0.0		
Newquay ... ..		29.85	47	SW	2	bc		29.83	-.01	44	-5	SE	1	ofw	2	0.03	51	42	ofrom	c	om.ofw	0.0		
Scilly (St. Mary's) ... ..		29.84	48	W	3	bc		29.83	-.04	48	-2	SSE	3	om	2	-	51	45	env	bc	bc	2.4		
Jersey (St. Aubin) ... ..																								
Portland Bill ... ..		29.85	49	SSW	1	m		29.87	-.02	44	-3	E	1	c	3	0.10	49	43	or.d	od.f	f.o.c	*		
Dungeness ... ..		29.90	44	E	4	op		29.88	-.01	45	+2	SSE	3	d	3	0.11	46	40	c	c.op	od	*		
Dover ... ..		29.96	42	ESE	3	c		29.93	*	43	+2	SE	2	c	4	0.09	43	40	c	c	od.rmk	0.0		
Wick ... ..		29.96	41	SSE	7	o		29.80	-.00	40	-2	SSE	6	o	6	0.13	42	37	emp.or	omv	omg	*		
Nairn ... ..		29.88	40	SSE	3	o		29.77	*	40	+1	SE	1	o	1	Trace	41	37	g.o	q.g.o	og	0.0		
Aberdeen ... ..		30.00	40	SSE	7	o		29.91	-.04	39	-2	SSE	6	r	6	0.40	42	36	c.bc	q.g.o	og	0.0		
Leith ... ..		29.88	39	ESE	4	o		29.85	-.01	39	o	SSE	4	o	*	0.06	41	38	og	o	opg	*		
North Shields ... ..		29.96	40	SE	5	p		29.94	-.01	39	-1	SE	4	r	6	0.23	41	32	o.c	c.p	r	0.0		
Spurn Head ... ..		29.95	41	ESE	8	c		29.93	-.02	39	-1	ESE	8	rg	7	0.16	41	38	cg	cg	o.rg	*		
Yarmouth ... ..		30.01	40	ESE	5	bc		29.98	-.01	39	-1	ESE	5	r	5	0.12	41	38	c.bc	bc	bc.orn	0.1		
Clacton-on-Sea ... ..		29.96	42	ESE	5	o		29.92	-.02	42	o	SSE	4	r	4	0.10	43	41	og	og	ogd	0.3		
Nottingham ... ..		29.91	40	E	3	r		29.90	*	39	+5	E	1	r	*	0.39	41	33	omv	r	r.o	0.0		
Bath ... ..		29.86	46	SSE	1	r		29.87	*	44	+3	ENE	1	om	*	0.22	47	41	+	r	-	0.0		
London (Kew Obsy.) ... ..		29.92	43	E	3	dm		29.90	.00	42	+3	E	2	gf	*	0.25	44	39	om	om	omd.rmk	0.0		
Isafjord ... ..		29.69	34	-	0	b		29.64	-.07	31	-5	-	o	bc	*	*	*	*	GALES. Duration and Extreme Force on British Coasts.					
Reykjavik ... ..		29.68	35	N	1	b		29.63	-.12	36	+2	NE	3	b	*	*	*	*						
Vestmanna ... ..		29.63	36	W	3	b		29.59	-.07	39	+1	E	5	r	2	*	*	*						
Seydisfjord ... ..		29.64	38	NE	3	r		29.58	-.06	32	-14	-	o	o	*	*	*							
Thorshavn ... ..		29.80	42	SSE	7	o		29.64	-.09	42	o	SSE	5	o	*	*	*							
Haparanda ... ..		30.42	-13	NE	2	b		30.35	-.01	-19	-1	NNE	2	o	*	-13	-20	Lerwick 4pm-7am Extreme ESE. 9.						
Hernösand ... ..		30.61	-6	SE	4	b		30.47	-.04	-2	-5	N	2	b	*	-1	-18							
Stockholm ... ..		30.61	16	NW	2	c		30.62	-.01	14	o	WNW	2	b	*	21	12	Wick 7pm-6am Extreme SSE. 8.						
Wisby ... ..		30.55	26	ENE	4	o		30.62	+0.01	26	+3	NE	2	o	*	27	21							
Karlstad ... ..		30.70	7	-	o	o		30.67	-.02	3	-10	N	2	s	*	16	-2	Aberdeen During afternoon and evening squalls force 3 Extreme SSE 5 mph at 8pm.						
Färder (X'ianla Fjord) ... ..		30.66	20	NE	4	b		30.60	-.02	20	+2	NNE	2	o	1	20	16							
Bodö ... ..		30.41	18	E	2	c		30.23	-.05	27	+11	E	4	c	2	27	14	Spurn Head 10am-7am Extreme ESE. 8.						
Christiansund ... ..		30.41	28	SE	2	b		30.32	-.02	27	o	-	o	b	2	30	25							
Skudesnaes ... ..		30.45	27	SSE	6	c		30.39	-.02	29	o	SE	8	o	5	32	25	Lerwick 4pm-7am Extreme ESE. 9.						
The Scaw (Skagen) ... ..		30.59	26	ESE	5	b		30.56	-.02	27	+5	SSE	4	bc	1	27	19							
Blaavands Huk ... ..		30.45	24	ESE	4	o		30.43	.00	29	+11	ESE	4	o	2	27	16	Wick 7pm-6am Extreme SSE. 8.						
Cuxhaven ... ..		30.38	28	E	5	b		30.38	.00	26	-2	E	5	bc	*	28	26							
The Helder ... ..		30.17	31	E	5	b		30.15	+0.01	28	-6	E	5	bc	3	34	28	Aberdeen During afternoon and evening squalls force 3 Extreme SSE 5 mph at 8pm.						
Brussels ... ..		30.02	39	ESE	2	o		30.00	-.01	35	+2	ESE	1	o	*	43	32							
Berlin ... ..		30.41	28	E	1	b		30.47	+0.02	26	o	E	3	o	*	34	25	Lerwick 4pm-7am Extreme ESE. 9.						
Frankfurt ... ..		30.21	36	NE	2	o		30.26	+0.01	26	-4	E	2	o	*	39	26							
Munich ... ..		30.21	30	NE	4	o		30.30	.00	21	-7	NE	5	o	*	Trace	30	21	Wick 7pm-6am Extreme SSE. 8.					
C. Gris Nez ... ..		29.94	41	E	5	m		29.91	-.02	41	+5	ESE	3	cg	2	0.04	45	36						
La Hève ... ..		29.85	46	SE	3	m		29.93	*	46	+13	SE	2	cg	2	0.04	48	33	Lerwick 4pm-7am Extreme ESE. 9.					
Brest (St. Mathieu) ... ..		29.95	49	NW	3	c		29.86	-.01	46	-4	ESE	3	cg	5	0.16	52	45						
Lorient (Bec Meles) ... ..		29.92	50	W	4	o		29.83	*	48	-2	SE	4	o	3	0.12	52	43	Wick 7pm-6am Extreme SSE. 8.					
Rochefort (Ile d' Aix) ... ..		30.02	52	W	4	o		29.97	*	47	-6	SSE	3	o	*	54	46							
Biarritz ... ..		30.10	55	WSW	3	o		29.94	*	52	-6	SE	3	o	2	-	58	46	Lerwick 4pm-7am Extreme ESE. 9.					
Paris ... ..		29.93	49	ESE	2	o		29.95	-.01	46	+5	-	o	r	*	0.04	53	41						
Belfort ... ..		30.08	36	E	2	f		30.09	*	33	-1	E	3	cg	*	0.04	46	32	Wick 7pm-6am Extreme SSE. 8.					
Lyons ... ..		30.03	48	W	1	o		30.08	*	44	+1	WNW	1	cg	*	0.12	51	43						
Nice ... ..		30.08	46	-	o	o		30.06	+0.01	45	o	-	o	c	2	-	52	45	Lerwick 4pm-7am Extreme ESE. 9.					
Perpignan ... ..		30.08	54	NW	1	o		30.07	-.01	43	+1	SW	1	b	3	-	61	42						
Sanguinaire ... ..		30.02	51	W	4	r		30.06	*	51		E	1	o	3	0.43	54	45	Wick 7pm-6am Extreme SSE. 8.					
Corunna (S.a.m.) ... ..		30.06	56	SSW	1	b		29.88	.00	54	+1	W	6	r	3	0.28	59	52						
Lisbon (S.a.m.) ... ..		30.15	58	SW	4	o		30.13	+0.01	58	o	SW	4	r	5	0.04	59	57	Lerwick 4pm-7am Extreme ESE. 9.					
Gibraltar ... ..																								
Azores (P. Delgada) ... ..																		Wick 7pm-6am Extreme SSE. 8.						
Azores (Horta) ... ..		30.44	52	NNE	4	b		30.48	+0.01	47	-5	WNW	3	b	4	-	55					46		
Madeira (Funchal) ... ..		30.09	61	SW	2	b		30.15	+0.04	59	-1	SW	2	o	3	-	66	48	Lerwick 4pm-7am Extreme ESE. 9.					

\* Information for these columns not usually received.

† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 28<sup>TH</sup> JANUARY.



## GENERAL INFERENCE

The shallow secondary depressions over the St. George's Channel and the Bay of Biscay are likely to move northward or north-eastwards. The weather will remain in a very changeable condition, with light

## WEATHER PROSPECTS.

or moderate winds on all but our north and east coasts, where the south-easterly current will continue to blow with considerable strength.

## FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

- 0 <sup>a</sup> South-easterly winds, strong  
<sup>b</sup> a gale in places; dull, occasional rain; normal temperature.

- 2 <sup>a</sup> South-easterly winds, fresh  
<sup>b</sup> or strong on coast; unsettled, occasional rain; rather milder.

- 4 <sup>a</sup> Easterly to South-easterly winds  
<sup>b</sup> light or moderate; dull, misty or foggy, occasional rain; rather milder.

## FORECAST DISTRICTS.



## STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

SOUTH CONE HOISTED AT 7.25pm yesterday

- 6 <sup>a</sup> South-easterly to southerly winds light or moderate; dull, misty, occasional rain; normal temperature.

- 8 <sup>a</sup> Light South-easterly winds; shifting later to the South-Westward; dull, misty or foggy, occasional rain; normal temperature.

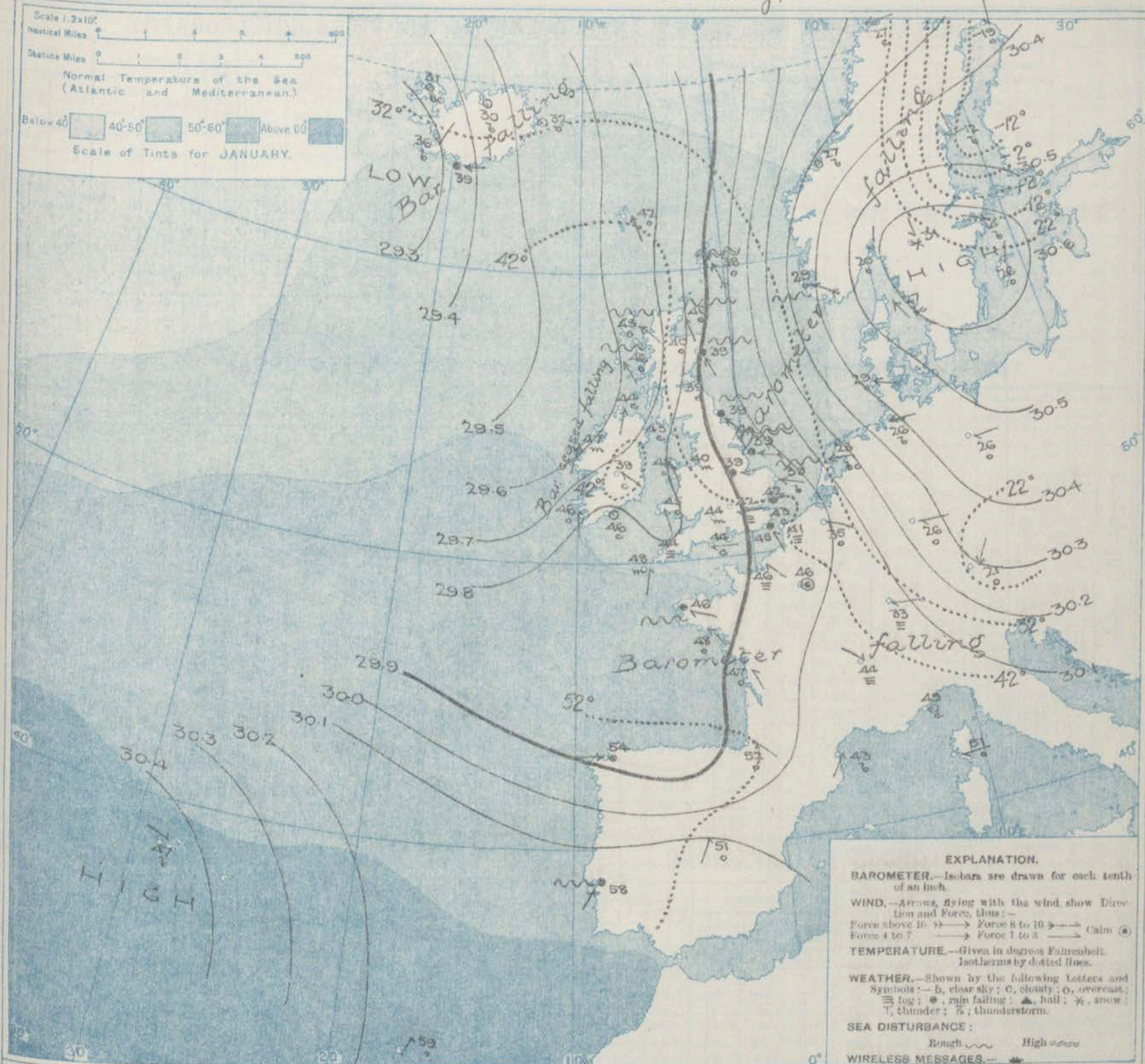
- 9 <sup>a</sup> Southerly to South-easterly winds, moderate or fresh; mild changeable, some showers.

- 11 WESTERN CHANNEL AND BAY. Moderate South-easterly to South-Western winds and a slight or moderate sea; dull, misty, occasional rain; normal temperature.

## THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. *Wednesday, 29<sup>th</sup>* JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

A large depression of moderate intensity still lies over the upper part of the Atlantic, and shallow secondary disturbances have appeared over the St. George's Channel and the Bay of Biscay. The anticyclone over Scandinavia is moving southwards, and is diminishing in height.

The wind is chiefly South Easterly, light or moderate in force generally, but strong to a gale over the whole of the North Sea area. Temperature has changed very irregularly. Over the United Kingdom the morning readings range from a trifle above 45° on our extreme west and south west coasts to a

little below 40° over the eastern and central parts of Great Britain. Frost prevails in Holland, Germany, and Denmark and hard frost in Sweden. The weather is in a cloudy, unsettled state over Western Europe generally. Rain is falling in the eastern and central parts of Great Britain, as well as in the north west of France, and snow is reported at Karlstad. The sea is high or rough on our north and east coasts, moderate or slight elsewhere.



## DAILY WEATHER REPORT.

Wednesday, 23rd January 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O=Outward. H=Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O=Outward. H=Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
28th Gpm.	51	9	Royal Edward.	H	29.72	+0.8	WSW	4-5	bc										

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scotland.	In.					Hr.	Margate ...	In.					
Oban ...							Ramsgate ...		41	37	bc. o	o. r	
Stonehaven ...							Deal ...		43	38		og. od	
St. Andrews ...							Folkestone ...		44	38	c	bc	
Carnoustie ...							Littlestone ...		43	40	bc	bc	
England, N.E.							Hastings ...		46	40	bc. o	o	
Harrogate ...	0.21	37	32	o	or	0.0	Bexhill-on-Sea ...	0.01	45	41	g	gp	
Scarborough ...		42	36	og	og	0.0	Eastbourne ...	0.02	46	42	o. c	ow. d	
England, N.W.							Seaford ...		48	39	o.	r. o	
Blackpool ...	0.25	41	35	or	or	0.0	Brighton ...		46	40	o. c	c. o	
Southport ...	0.19	40	35	o	or	0.0	Worthing ...		47	41	o	o	
Buxton ...	0.18	38	31	e	er. o	0.0	Littlehampton ...						
Matlock ...							Bognor ...						
Douglas ...							Southsea ...	0.10	46	40	om. or	or	
Wales.							Bournemouth ...	0.10	47	43	or	or. f	
Rhyl ...	0.13	43	35			0.0	Weymouth ...		48	43	org	m. or	
Colwyn Bay ...	0.10	45	38	r	o. bc. c	0.0	Teignmouth ...	0.88	51	45	or	od. c	
Llandudno ...	0.34	43	39	op	o. bc	0.0	Torquay ...	0.54	52	45	r. o	o	
Bettws-y-Coed ...							Paignton ...	0.58	52	44	or	bc	
Aberystwyth ...	0.08	47	41	b. a. c	c. o	0.0	Ilfracombe ...	0.19	51	44	d	d	
England, E.							Weston-super-Mare ...	0.35	47	38	r	r. c	
Lowestoft ...		42	35	o. c	c. o	0.0							
Felixstowe ...		43	39	e. m	m. o	1.0							
Walton-on-Naze ...		48	40	o. bc	bc. o	0.7							
Southend-on-Sea ...	0.01	42	38	o	o	0.0							

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.		
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.	
			Max.	Min.		Max.												Min.
			24 HOURS ENDED 9 A.M. TO-DAY.															
Greenwich (Royal Obsy.) ...	92	99	44	40	39	0.22	orm	orm	enf	0.0	Dublin to 4 p.m.	0.12	50	44	42	orm	ogr	c.o
City (Bunhill Row) ...	91	97	45	41	40	0.20	r	r	r.f	0.0	Plymouth to 9 p.m.	1.00	53	44	38	og	orm	by
Westminster (St. James's Pk.)	93	98	45	41	40	0.20	r	r	r.f	0.0	Darwen	0.22	39	32	30	o.e	c.u	r.or
Camden Sq. (Brit. Rainfall)	92	100	44	39	39	0.23	ogmo	or	or.f	0.0	Manchester	0.21	42	35	28	o	o.or	or
Hampstead (Reservoir) ...	*	98	44	38	37	0.23	orf	orf	orf.de	0.0	Birmingham	0.28	41	32	25	f.r	r	r
Kew. (See front page.)											Oxford to 8 p.m.	—	44	35	28	o	a.or	or
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																		
			Total.		Average Rate.		Max. Rate.											
S. Kensington (Roof of M.O.)	87	97	76 Joules.		2.4 Milliwatts.		6 Milliwatts.		0.0	S. Kensington (Museum Grounds to 6 p.m.)	0.06	45	38	32	of.e.o	orm	orm	

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

23rd 24th Jan. 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.42	12.6	4.20
	7.41	12.6	4.32
Greenwich ...	7.46	12.13	4.41
	7.44	12.13	4.43
Wick ...	8.28	12.25	4.22
	8.26	12.25	4.25
Valencia ...	8.28	12.54	5.20
	8.27	12.54	5.22

## NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to a trifle above 50° on our extreme south-west coasts, but over the United Kingdom generally it failed to reach 45°, and at our northern and eastern stations it scarcely exceeded 40°. Over the major part of the country there was an entire absence of bright sunshine. Rain was experienced very generally and at some of our northern stations the amount was considerable.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrapping.



12.21.

1913.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Thursday,  
30th January, 1913.

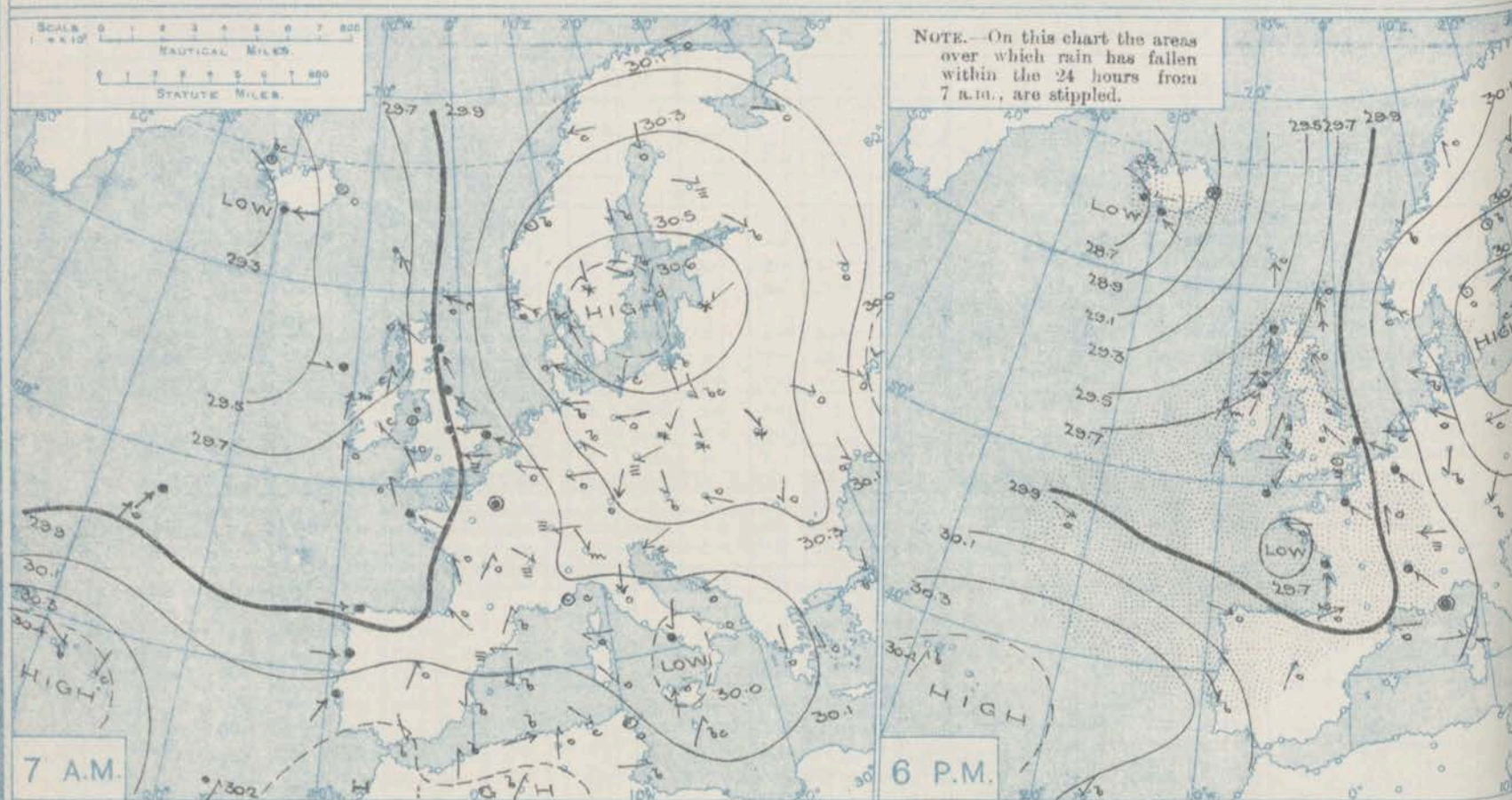
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										LAST 24 HOURS.					Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.				
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Force (0 to 12).	Weather.		At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dir.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night 6 p.m. to 7 a.m.	
		In.					In.	In.							In.					Hours		
Lerwick		29.75	40	SSE	9	o	29.50	-05	44	+6	SSE	6	r	5	0.21	44	36	ormg	ormg	ormg		
Stornoway		29.56	45	SSW	7	ogp	29.34	-12	43	-2	SSW	7	r	6	0.30	46	42	c.ora	opg	opg	0.4	
Castlebay (Barra Isd.)		29.58	47	SSW	4	o	29.37	-12	45	-1	SW	3	d	4	0.40	47	44	or	r.o	o.bod	0.0	
Malin Head		29.66	45	SW	4	cgp	29.44	-08	42	-2	SSW	6	cgp	4	0.03	46	40	cgp	cgp	cgp		
Blacksod Point		29.70	45	SW	4	m	29.48	-02	47	0	ESW	4	o	3	0.19	48	44	ond	om	cnp		
Valencia		29.79	46	SSW	1	b	29.61	-10	50	+4	SSE	3	r	4	0.05	50	42	c	bc	om	2.1	
Roche's Point		29.84	46	-	0	c	29.66	-	48	+2	SSW	5	r	5	0.02	50	41	o.b	b.bac	o.bod		
Birr Castle		29.77	45	SW	1	c	29.67	-	46	+7	SW	1	o	*	0.02	49	38	c	cp	c.o	3.2	
Donaghadee		29.77	45	S	2	d	29.63	-07	43	0	SSW	2	o	1	Trace	48	40	bc	od	bcod		
Liverpool Obsy.		29.85	44	ESE	2	m	29.78	-00	34	-6	SE	2	m	2	0.02	43	34	om	of	of	0.0	
Holyhead		29.82	45	SSW	3	o	29.73	-03	45	0	S	4	o	3	0.01	47	42	ormg	om	om		
Pembroke (St. Ann's Hd.)		29.83	44	W	1	b	29.78	-03	46	+1	SSW	3	cg	3	Trace	48	41	cg	om	bm	0.0	
Newquay		29.82	44	SE	2	o	29.84	-00	41	-3	SE	1	c	3	0.04	47	39	of.m	odm	bac	0.0	
Scilly (St. Mary's)		29.81	47	NE	3	cp	29.85	-02	47	-1	SW	4	cv	4	0.04	50	44	c	cp	bc	0.0	
Jersey (St. Aubin)		29.75	47	ESE	4	r	29.81	+01	42	-2	-	0	o	1	0.15	48	40	c.o	or	edme		
Portland Bill		29.81	47	S	2	o	29.80	-01	45	0	SSE	4	o	3	0.18	48	41	mf.a	of.d	edoro		
Dungeness		29.84	45	S	3	r	29.85	-	42	0	S	3	o	3	0.23	45	41	od	ad	od	0.0	
Wick		29.65	41	SSE	7	o	29.43	-09	43	+3	S	5	c	5	0.02	43	40	om	opm	acpm		
Nairn		29.66	42	SSW	3	o	29.50	-	44	+4	SSW	3	c	1	-	44	38	baq	org	cg	0.5	
Aberdeen		29.80	42	SSE	4	o	29.63	-03	42	+3	S	4	o	4	0.15	42	39	org	opg	o	0.0	
Leith		29.79	42	ESE	1	c	29.66	-03	42	+4	S	3	c	*	0.01	45	38	og	cg	c.op		
North Shields		29.87	40	SE	3	og	29.75	+02	38	-1	S	2	c	4	0.01	41	35	r.og	og	c		
Spurn Head		29.86	39	ESE	4	o	29.78	-01	39	0	SSW	2	fr	5	0.28	39	38	orm	om	d.f.d		
Yarmouth		29.88	39	SE	5	r	29.81	-03	42	+3	SE	2	f	4	0.38	42	38	om	or	of.m	0.0	
Clacton-on-Sea		29.83	43	SE	4	r	29.81	-01	41	-1	WSW	1	m	1	0.27	43	41	org	org	orgnif	0.0	
Nottingham		29.85	41	SE	1	o	29.81	-	40	+1	WSW	1	om	*	0.02	41	38	r.om	oma	ofe	0.0	
Bath		29.82	46	ESE	1	o	29.85	-	43	-1	W	1	o	*	0.02	48	42	o	c	-	0.0	
London (Kew Obsy.)		29.83	45	-	0	fe	29.84	+01	43	+1	NW	1	ofe	*	0.04	45	42	of	ogf	ofe	0.0	
Isafjord		28.81	35	E	2	o	28.46	-02	28	-3	W	3	s	*	-	-	-	-	-	-	-	
Reykjavik		28.69	38	E	3	r	28.50	-04	23	-13	-	0	b	*	-	-	-	-	-	-	-	
Vestmanna		28.79	39	SE	6	r	28.59	-06	28	-13	SW	4	s	3	-	-	-	-	-	-	-	
Seydisfjord		29.10	30	-	0	s	28.66	+01	34	+2	-	0	c	*	-	-	-	-	-	-	-	
Thorshavn		29.39	43	S	6	o	29.09	-04	42	0	SW	4	c	*	-	-	-	-	-	-	-	
Haparanda		30.21	-2	NE	2	o	30.00	-08	3	+22	NE	2	b	*	-	3	-26	Lerwick	Tom-Soun.	Epheme SSE.g.		
Hernösand		30.31	-10	-	0	b	30.09	-06	-12	0	N	2	b	*	-	-3	-15					
Stockholm		30.53	15	WSW	2	c	30.42	-10	20	+6	WSW	2	o	*	-	21	14					
Wisby		30.58	26	NE	2	c	30.47	-04	27	+1	SW	1	o	*	-	28	23					
Karlstad		30.51	16	-	0	o	30.39	-06	22	+19	SSW	4	o	*	-	23	3					
Færder (X'ianta Fjord)		30.45	28	S	3	o	30.26	-04	28	+3	S	6	c	4	-	28	19					
Bodö		30.04	35	S	2	o	29.75	-10	27	0	E	2	o	2	-	36	27					
Christiansund		30.10	25	NE	1	b	29.75	-05	34	+7	SE	2	bc	3	-	34	23					
Skudesnaes		30.20	30	SE	9	c	29.95	-06	38	+4	SE	9	o	5	-	33	28					
The Scaw (Skagen)		30.42	30	S	6	o	30.26	-03	27	0	S	7	b	2	Trace	30	25					
Blavands Huk		30.26	25	ESE	7	b	30.14	-05	23	-6	SSE	6	bc	5	-	29	21					
Cuxhaven		30.26	23	ESE	6	o	30.13	-02	19	-7	SE	5	c	*	-	30	19					
The Heider		30.02	32	E	5	c	29.92	-02	31	+3	SE	4	r	2	-	32	28					
Brussels		29.92	37	SE	3	r	29.90	-00	38	+3	SW	1	o	*	0.04	43	35					
Berlin		30.46	18	E	2	c	30.39	-02	12	-14	E	2	bc	*	-	28	12					
Frankfurt		30.17	30	NE	2	b	30.14	+01	22	-4	NE	1	b	*	-	36	21					
Munich		30.23	20	NE	5	b	30.17	-02	14	-7	E	3	b	*	-	27	14					
C. Gris Nez		29.84	43	SSE	2	f	29.84	-01	42	+1	SSE	3	o	2	0.24	45	41					
La Hève		29.79	46	SE	3	r	29.81	-	45	-1	SE	2	m	1	0.20	50	41					
Brest (St. Mathieu)		29.69	49	ESE	1	o	29.85	+03	47	+1	NW	3	o	5	0.12	50	45					
Lorient (Bec Me'len)		29.69	51	SW	2	o	?	-	48	0	NW	4	o	4	0.20	52	45					
Rochefort (Ile d'Aix)		29.75	49	S	4	r	29.89	-	45	-2	SE	3	m	*	0.47	52	43					
Biarritz		29.88	51	WSW	4	o	29.89	-	51	-1	NNW	5	r	7	1.46	63	46					
Paris		29.86	48	SSE	1	o	29.86	+01	43	-3	E	1	o	*	0.04	50	43					
Belfort		30.00	34	E	5	f	30.00	-	30	-3	E	3	f	*	0.08	36	30					
Lyons		29.92	49	SE	1	r	29.93	-	43	-1	SSW	1	r	4	0.28	52	42					
Nice		30.03	42	-	0	r	29.95	-02	40	-5	-	0	r	4	0.43	50	39					
Perpignan		29.90	52	E	2	o	29.84	+03	47	+4	NW	3	r	*	0.43	58	43					
Sanguinaire		30.10	53	W	2	m	29.99	-	54	+3	E	2	o	3	-	59	45					
Corunna (8 a.m.)		30.06	55	WNW	6	o	30.19	-00	50	-4	SSW	3	f	7	0.08	61	46					
Lisbon (9 a.m.)		30.29	51	NNW	2	b	30.30	+02	53	-5	WSW	1	bc	2	0.12	59	48					
Gibraltar		30.17	59	NW	5	b	30.19	-	49	-	NW	5	bc	*	-	70	*					

\* Information for these columns not usually received.

† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 29<sup>TH</sup> JANUARY.



## GENERAL INFERENCE

The general distribution of pressure is becoming favourable for a southerly to south-westerly wind current over the United Kingdom, with unsettled and

## WEATHER PROSPECTS.

milder weather.

## FORECASTS FOR THE 24 HOURS NOON THURSDAY

## TO NOON FRIDAY.

0 } southerly and south-westerly winds, fresh or strong to a gale; much cloud, rain at times; mild.

1 } southerly and south-westerly winds,

freshening; much cloud, some

2 } rain; milder.

3 } S.W. wind becoming southerly or

south-westerly, increasing in

4 } force; much cloud, some mist and

rain; temperature rising.

5 }

## FORECAST DISTRICTS.



## STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

SOUTH CONE HOISTED AT 7.20pm. YESTERDAY

6 } a

7 } a

8 } a

9 } a

10 } a

Wind between South and

South-West, moderate to fresh or

strong, high in places; cloudy

or dull generally, some rain and

mist; mild.

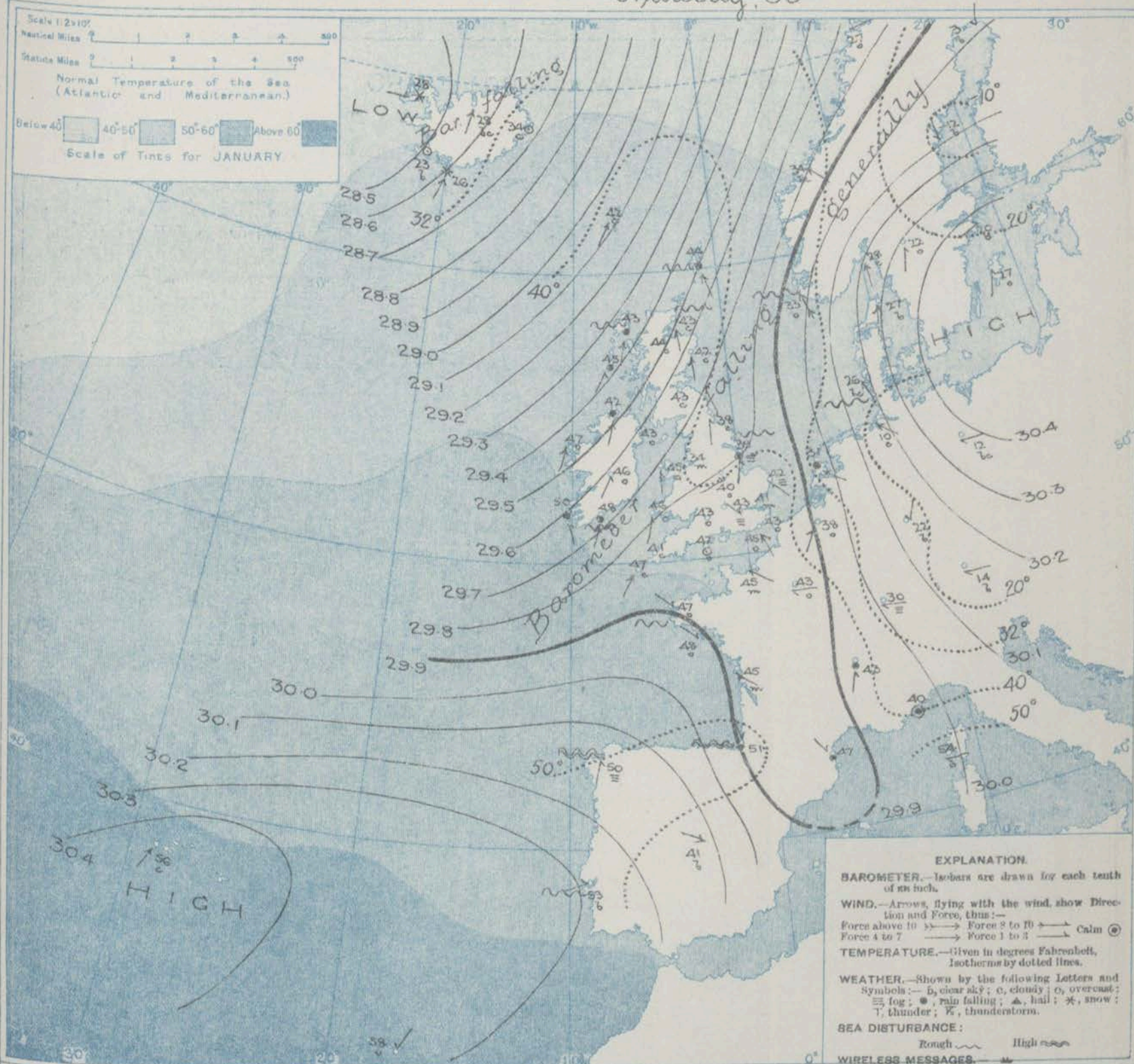
## 11 WESTERN CHANNEL AND BAY.

south-westerly winds, moderate to strong; sea moderate to rather rough; some mist and rain in several localities; temperature rather higher.

## THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. Thursday, 30<sup>th</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.3 in. over the Baltic region, and below 28.5 in. in the west of Iceland and beyond. Over France it is relatively low, while at the Azores the readings increase to above 30.4 in.

The wind is Southerly or South-Westerly in the west and north of these Islands and across to Iceland. Generally it is moderate in force, but in some exposed places it is fresh or strong, and at Stornoway a high wind is reported. Over Pinmark and the south of Norway the main

current is Southerly, and its force strong to a gale. Temperature has risen in most parts of the United Kingdom and in Scandinavia, fallen in Germany and Iceland. Over these Islands it ranges from 50° at Valencia to 38° at North Shields, and to 34° at Liverpool. Over the greater part of Germany the thermometer is below 20° and at Hermsdorf as low as -12°. Rain is falling at several of our most western and northern stations, and over the Kingdom generally the sky is very cloudy to overcast, with mist or fog in some localities. Rain is general in the south of France. The severe cold in Germany is accompanied by clear weather.



## DAILY WEATHER REPORT.

Thursday, 30th January, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR	POSITION		NAME OF SHIP	TO OUTWARD H = Homeward	BAROMETER		WIND		WEATHER	DATE AND HOUR	POSITION		NAME OF SHIP	TO OUTWARD H = Homeward	BAROMETER		WIND		WEATHER
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
29th 6pm	55	7	Numidian	H	29.64	+0.2	Sw	4-5	0	29th 7am	55	11	Numidian	H	29.51	+0.2	W	1-3	0
"	47	21	Finland	H	29.94	+0.6	WNW	6-7	0	"	47	24	Finland	H	29.99	-0.10	SW	6-7	0
"	"	"	"	"	"	"	"	"	"	"	46	25	Arabic	H	29.86	-0.08	SW	6-7	0

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.			STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.							Max.	Min.	Forenoon.	Afternoon.	
Scotland.		In.					In.			England, S.E.		In.					In.
Oban		0.73	41	37	0	o.c	0.6			Margate		0.27	45	41	r	r	0.0
Stonehaven										Ramsgate		0.26	43	40	-	-	0.0
St. Andrews										Deal		0.26	45	41	r. om	og. d	0.0
Carnoustie										Folkestone		0.26	45	42	or	r	0.0
England, N.E.										Littlestone							0.0
Harrogate		0.24	38	35	dm	m	0.0			Hastings		0.26	48	44	rf	f. m	0.0
Scarborough			40	37	0	0	0.0			Bexhill-on-Sea		0.16	48	43	fe. d	g. e	0.0
England, N.W.										Eastbourne		0.13	49	45	om	on. dm	0.0
Blackpool		0.15	42	40	0	0	0.0			Seaford		0.06	48	44	f	f. r	0.0
Southport		0.05	43	36	0	0	0.0			Brighton		0.11	48	44	of	of. d. o	0.0
Buxton		0.17	38	35	m	m	0.0			Worthing		0.12	48	45	m	m	0.0
Matlock										Littlehampton							0.0
Douglas										Bognor							0.0
Wales.										Southsea		0.16	48	45	f	f. r	0.0
Rhyl		0.05	47	46	0	0	0.0			Bournemouth		0.32	47	42	od	or	0.0
Ceiwyn Bay		0.01	48	42	0	0	0.0			Weymouth		0.10	47	40	omr	or	0.0
Llandudno			45	42	0	0	0.0			Teignmouth		0.12	47	39	0	od.	0.0
Bettws y Coed										Torquay		0.07	48	41	0	r. o	0.0
Aberystwyth		0.03	48	43	o. c. o	o. em	0.0			Paignton		0.19	47	39	of. o	o. o	0.0
England, E.										Ilfracombe		0.01	48	43	0	oe	0.0
Lowestoft		0.25	40	38	or	or	0.0			Weston-super-Mare		-	47	41	p. bc	om	0.0
Felixstowe		0.48	42	41	om	om	0.0										
Walton-on-Naze		0.28	43	41	r	r	0.0										
Southend-on-Sea		0.28	43	40	r	r	0.0										

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.		WEATHER.			Sun-shine for Yesterday.		
	4 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.			
			Max.	Min.															Max.	Min.
Greenwich (Royal Obsy.) ...	%	%				in.				Hr.	Dublin to 4 p.m.	In.								
City (Rushill Row) ...	99	98	44	41	34	0.05	om	om	om	0.0	Plymouth to 9 p.m.	0.11	47	41	33	or	og	b		
Westminster (St. James's Pl.)	*	*	*	*	*	*	*	*	*	0.0	Darwen "	0.09	41	37	36	or. w	m.	om		
Camden Sq. (Brit. Rainfall)	97	97	46	43	41	0.04	r	f	r. m	0.0	Manchester "	0.45	44	40	38	or. o	o	o		
Hampstead (Reservoir) ...	100	97	44	42	39	0.07	f	f	or. ogm	0.0	Birmingham "	0.43	42	40	36	f	f	f		
Kew. (See front page.)	*	100	43	41	39	0.07	of	of	of	0.0	Oxford to 8 p.m.	0.33	44	42	41	od. ogf	om	om. f		
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																				
S. Kensington (roof of M.O.)			Total.		Average Rate.		Mat. Rate.													
			9.		Joules.		23 Milliwatts.		2 Milliwatts.		0.0									
			99		96		9.		46		42		41		od. om		og. of		og. om	

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

30th & 31st Jan. 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	7.41	12.6	4.32
	7.40	12.6	4.34
Greenwich	7.44	12.13	4.43
	7.43	12.14	4.45
Wick	8.26	12.25	4.25
	8.24	12.26	4.28
Valencia	8.27	12.34	5.22
	8.26	12.35	5.24

## NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer remained below 40° in some places in the north and east of England, but rose to above 50° in the south of Ireland. Rain has fallen very generally, the amounts being considerable in various parts of the Kingdom. Heavy rain has fallen in south-west of France. Scarcely any bright sunshine was recorded in Great Britain, but Valencia reports 2.1 hours, and Bir Castle 3.2 hours.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrapping.



12.24.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Friday  
31st January 1913.

1913.

STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.	
	BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.				
	At 32° Fahr. and M.S.L. Lat. 46°.	Dry Bulb.	Direc.	Force (0 to 12).			At 32° Fahr. and M.S.L. Lat. 46°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Direc.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	After'n. 1 p.m. to 6 p.m.		Night. 6 p.m. to 7 a.m.
BRITISH ISLANDS.	Lerwick	In.					In.	In.							In.						Hours	
	Stornoway	28.90	43	SSE	9	r	28.54	+0.1	39	-5	SSE	4	0	7	0.65	44	37	omv	or	org		
	Castlebay (Barra Ind.)	28.65	45	W	7	org	28.73	+0.3	35	-3	SW	6	bc	5	0.61	45	32	org	org	cporg	0.0	
		28.72	43	W	3	c	28.85	+0.2	38	-7	WNW	4	orshp	4	0.37	47	32	d.r	r.c.c	r.sh.c	0.0	
	Malin Head...	28.80	45	WSW	7	rgm	28.95	+0.8	40	-2	W	8	cgqthp	7	0.07	48	34	gpg	omv	gphq		
	Blacksod Point	28.95	45	SW	7	m	29.44	+0.1	39	-8	W	8	0	6	0.31	50	35	opmg	omv	omphay		
	Valencia	29.21	47	WSW	6	c	29.42	+0.7	44	-6	WSW	8	b	6	0.40	53	38	omv	omp	ombe	0.0	
	Roche's Point	29.19	50	W	4	d	29.44		36	-12	NW	4	3	3	0.15	52	35	d	d	pgela		
	Birr Castle	29.06	47	WSW	6	r	29.24		34	-12	SSW	3	0		0.45	52	33	or	org	opsp	0.0	
	Donaghadee	28.95	47	SSE	5	m	29.11	+1.0	33	-10	SSW	4	3	3	0.35	47	33	omv	omv	cpshq		
ICELAND & FAEROE.	Liverpool Obsy.	29.12	43	SE	5	0	29.20	+1.7	37	+3	W	6	0	5	0.23	51	34	og	or	orgsh	0.0	
	Holyhead	29.06	49	S	8	r	29.24	+0.4	38	-7	W	8	bc	7	0.48	49	34	om	or	bc		
	Pembroke (St. Ann's Hd.)	29.22	49	SW	8	0	29.36	+0.5	40	-6	W	7	bc	7	0.33	50	42	ogv	omv	cgq	0.0	
	Newquay	29.38	51	SSW	5	r	29.51	+1.0	40	-1	W	8	cg	7	0.49	51	36	c.or	or	cpshq	0.0	
	Scilly (St. Mary's)	29.39	51	WSW	5	rgm	29.55	+0.6	40	-7	WNW	8	cpshq	8	0.44	52	37	mg	mg	omphay	0.0	
	Jersey (St. Aubin)																					
	Portland Bill	29.46	49	S	7	r	29.31	+0.9	40	-2	W	7	c	6	0.42	49	39	or	or	cg		
	Dungeness	29.61	47	SSW	5	0	29.31	+0.6	43	-2	WNW	6	c	5	0.45	48	39	opd	of-o	org.c		
	Dover	29.64	46	S	5	0	29.35		41	-2	W	4	c	5	0.30	49	40	od	od-o	o.c.o	0.0	
	Wick	28.75	42	S	8	c	28.70	+0.6	32	-11	SSW	3	bc	3	0.25	43	30	cpom	omv	om.be		
SCANDINAVIA.	Nairn	28.79	44	SSW	5	0	28.76		32	-12	SW	2	b	1	0.08	46	30	og.bc	dg.o	pg.be	1.0	
	Aberdeen	28.92	44	SSE	7	rg	28.82	+0.6	32	-10	WSW	2	b	4	0.67	42	32	op	org	org.b	0.0	
	Leith	28.83	43	SSE	6	r	28.98	+0.9	35	-8	WSW	3	s		0.27	48	33	og.c	opq	org		
	North Shields	29.13	41	SE	5	p	28.99	+0.4	36	-2	WNW	2	c	5	0.12	45	33	0	op	r.c	0.0	
	Spurn Head	29.38	41	S	6	r	29.08	+0.3	38	-1	SW	6	cg	6	0.42	44	34	or	org	org		
	Yarmouth	29.60	44	S	3	f	29.18	+1.5	38	-4	W	2	bc	2	0.24	49	38	af.am	omd	odf.be	0.0	
	Clacton-on-Sea	29.62	44	SSW	3	0	29.28	+1.0	36	-5	W	3	c	3	0.23	48	35	ogm.f	ogf.p	ogm.g	0.0	
	Nottingham	29.34	44	S	6	r	29.21		36	-4	WSW	4	bcsp		0.24	49	35	omv	omv	or	0.0	
	Bath	29.42	48	SSW	6	r	29.40		39	-4	W	6	bc		0.43	53	37	0	r	-	0.0	
	London (Kew Obsy.)	29.53	46	S	4	od	29.34	+1.0	39	-4	WSW	5	bc		0.31	50	39	ofe.or	omv	odf.g	0.0	
GERMANY, &c.	Isafjord	28.39	24	-	0	c	28.37	+0.1	22	-6	-	0	bc									
	Reykjavik	28.36	24	-	0	s	28.36	.00	17	-6	-	0	b									
	Vestmanna	28.39	24	-	0	c	28.39	+0.3	23	-3	N	1	b	4								
	Seydisfjord	28.35	31	-	0	s	28.22	?	26	-8	NW	3	c									
	Thorshavn	28.54	42	S	4	o	28.41	+0.1	34	-8	W	3	c									
	Haparanda	29.74	3	NE	2	b	29.67	-0.1	18	+15	S	4	0		18	-2						
	Hernösand	29.91	21	S	4	c	29.66	-1.1	23	+35	S	4	bc		23	-13						
	Stockholm	30.18	21	SSW	2	b	29.76	-1.5	29	+9	SSE	6	b		29	19						
	Wisby	30.27	23	SW	2	b	29.83	-1.6	28	+1	SSE	6	b		28	19						
	Karlstad	30.03	21	NE	4	b	29.40	-2.0	27	+5	SE	6	0		27	19						
FRANCE.	Färder (X'ianta Fjord)	29.88	29	SSE	6	b	29.13	-3.0	28	0	S	10	S	5	?	30	27					
	Bodö	29.51	34	E	2	0	29.06	-1.0	28	+1	E	5	b	2	32	25						
	Christiansund	29.33	39	S	6	c	28.74	-1.9	38	+4	SE	6	0	3	44	34						
	Skudesnaes	29.44	33	S	9	0	28.74	-0.7	45	+12	SSE	8	0	6	45	30						
	The Scaw (Skagen)	29.82	30	S	11	b	29.12	-1.6	30	+3	S	9	3	4	Trace	30	27					
	Blaavands Huk	29.73	29	SSE	8	0	28.99	-2.0	31	+8	SSE	8	S	6	Trace	31	21					
	Cuxhaven	29.83	28	SSE	6	b	29.44	-1.8	35	+16	S	9	r	3	0.08	36	19					
	The Helder	29.68	32	SSE	5	r	29.11	+0.4	42	+11	WSW	7	b	3	0.59	45	30					
	Brussels	29.73	39	SE	5	0	29.29	.00	46	+8	WSW	4	0		0.51	48	35					
	Berlin	30.22	18	SE	3	b	29.68	-1.6	21	+9	SSE	5	0		25	12						
SPAIN, PORTUGAL, &c.	Frankfurt	29.99	33	S	3	0	29.50	-1.7	42	+20	S	5	r		0.12	43	21					
	Munich	30.13	22	S	3	b	29.86	-0.7	28	+14	SSE	3	0		28	14						
	C. Gris Nez	29.68	46	SSW	5	f	29.29	+0.5	45	+3	W	7	c	7	0.51	46	42					
	La Hève	29.74	43	SW	4	0	29.47		44	-1	WSW	6	r	7	0.28	50	41					
	Brest (St. Mathieu)	29.64	50	SSW	5	r	29.69	+0.9	46	-1	WNW	6	c	4	0.32	50	43					
	Lorient (Bec Melen)																					
	Rochefort (Ile d' Aix)	29.95	50	SSW	3	0	29.82		51	+6	W	6	c		0.51	51	45					
	Biarritz																					
	Paris	29.84	47	SSW	3	0	29.50	+0.4	48	+5	WSW	4	0		0.55	51	42					
	Belfort																					

GALES.

Duration and Extreme Force on British Coasts.

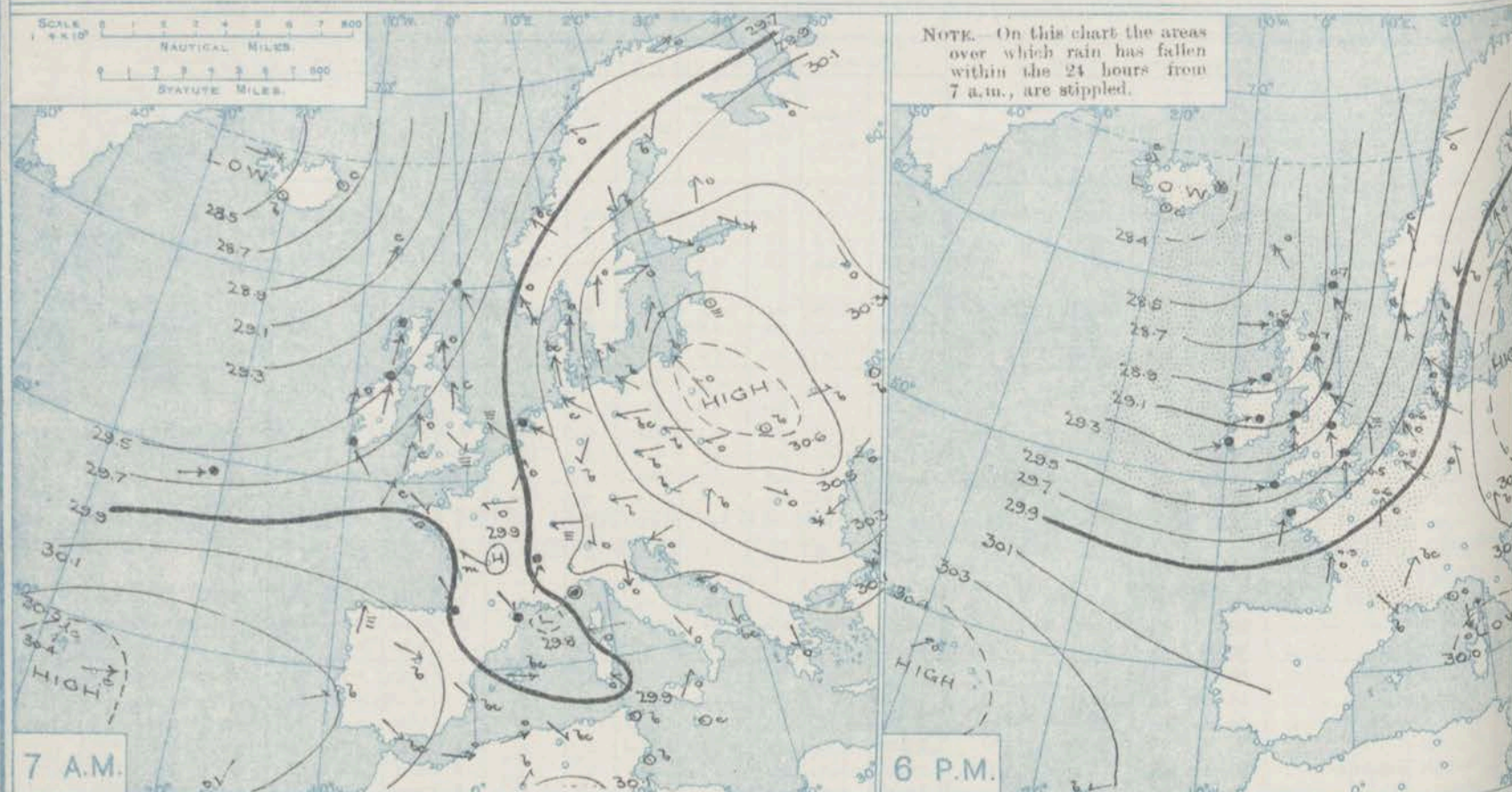
Lerwick.  
2pm-11pm. Extreme SSE. 9.  
Malin Head  
8pm-7am do SSE. 9.  
Blacksod Point  
10pm-7am do. W. 8  
Valencia  
5am-7am do. WSW. 8.  
Holyhead  
6pm-7am do. S. 8.  
Pembroke  
1pm-7pm do. S. 9.  
Windy directed to WSW at 8pm.  
Scilly  
11pm-7am. Extreme W. 8.  
Squalls force 9 gusts 10 mph (11).  
Dungeness  
5am-7am. Extreme S. 10.  
Dover  
10pm-1am do. WSW. 9.  
Portland Bill  
8pm-7am do. W. 9.  
Wick  
5pm-10pm do. S. 8.  
Aberdeen  
6pm. Squalls do 5 mph (9).  
London (Kew Obsy)  
9.10pm Squalls 41 mph (8).  
5.5am do. 42 mph (8).

\* Information for these columns not usually received.

† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 30<sup>th</sup> JANUARY.



## GENERAL INFERENCE

The Icelandic depression will continue to travel away to the northward or north-eastward. Small secondary systems will pass eastward across the United Kingdom, and occasion showers

## WEATHER PROSPECTS.

of snow, sleet or hail in most districts. The report from the Azores seems to indicate the advance of another depression from the Atlantic.

### FORECASTS FOR THE 24 HOURS NOON FRIDAY

### TO NOON SATURDAY.

0 { a } Westerly and South-Westerly winds, strong in places; changeable, some snow showers, fine intervals; frost tonight.

1 { a } Westerly and South-Westerly winds, strong in places; squally, some snow or sleet showers, considerable fine intervals; remaining cold.

4 { a } Strong and squally Westerly winds, moderating later; some hail or sleet showers, but considerable fine intervals; remaining cold.

### FORECAST DISTRICTS.



### STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

SOUTH CONE HOISTED  
Districts 1 & 6-11 at 10.55 a.m. yesterday.  
2, 3 & 5 at 4.20 p.m.  
9 and 1 at 7.30 p.m.

6 { a } Westerly gales and strong winds, moderating later; squally, some snow or sleet showers; remaining cold.

7 { a } Westerly gales and strong winds, moderating and backing later; some hail or sleet showers then fair; frost inland to night.

8 { a } Westerly gales and strong winds, moderating and backing later; some hail or sleet showers then fair; frost inland to night.

9 { a } Westerly gales and strong winds, moderating and backing later; some hail or sleet showers then fair; frost inland to night.

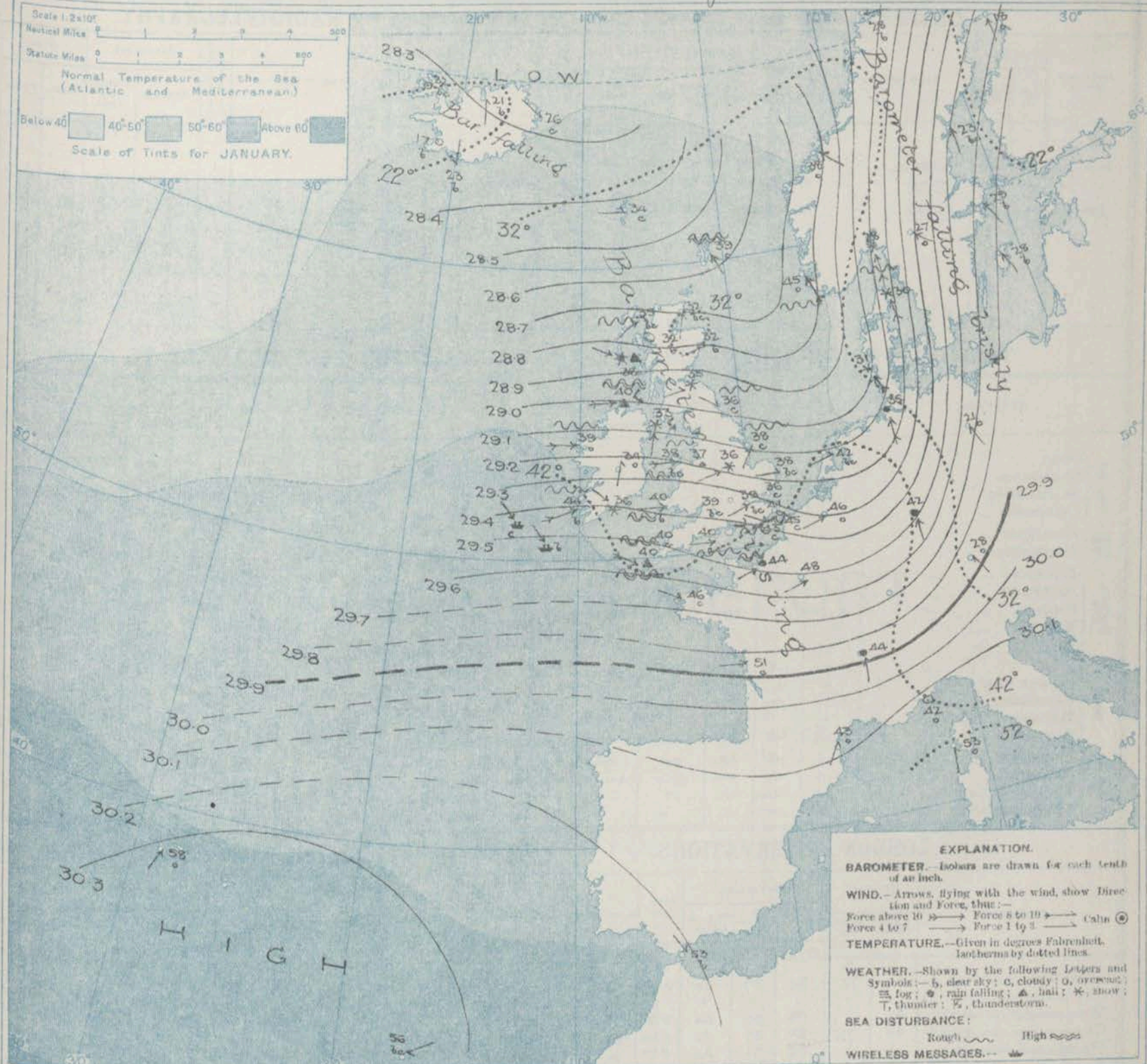
10 { a } Westerly gales and strong winds, moderating and backing later; some hail or sleet showers then fair; frost inland to night.

11 WESTERN CHANNEL AND BAY. Gales and strong winds from the Westward, and a very rough sea, both moderating later; squally and showery, then fair; colder.

## THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. Friday, 31<sup>st</sup> JANUARY 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

The deep depression noticed yesterday over the Icelandic region has extended southwards over the whole of Western Europe. The central portion of the system is apparently moving away to the north-eastward, but small secondary systems are passing eastward across the United Kingdom.

The wind has veered to the westward in these Islands and France, and blows with the force of a gale on our western and southern coasts. Strong gales from the southward are reported on the eastern side of the North Sea. Temperature has fallen decidedly in this country, but risen at most of

of the continental stations. In all but the extreme southern and south-western parts of the United Kingdom the thermometer is now below 40°, and in the north-east of Scotland it has fallen to the freezing point. The frost over northern and central Europe has become less sharp. The weather is in a squally, changeable condition generally, with showers of hail or snow in several parts of these Islands, and lightning in the north of Ireland. Snow is falling also in Denmark and the south of Norway. The sea is high on our W<sup>m</sup> and extreme N<sup>m</sup> coasts, rough or rather rough elsewhere.



## DAILY WEATHER REPORT.

Friday 31st January, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
31st Jan	51	13	Oceanic	O	29.85	+0.07	NW	6-7	c										
"	50	11	Baltic	H	29.64	+0.02	NW	6-7	b	30th Jan	50	16	Baltic	H	29.49	-0.00	NW	6-7	c
30th Jan	50	18	Arabic	O	29.42	+0.05	WNW	10-11	o	" 7am	49	21	Baltic	H	29.54	-0.02	WSW	6-7	r

## TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.	
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.
Scotland.		In.					Hr.	England, S.E.		In.				
Oban	...	...					...	Margate	...	0.16	46	44	mg r op	op
Stonhaven	...	...					...	Ramsgate	...	0.21	45	42	"	"
St. Andrews	...	...					...	Deal	...	0.19	47	43	omv	og d r
Carnoustie	...	...					...	Folkestone	...	0.28	46	45	dr	r
England, N.E.								Littlestone	...	"	"	"	"	"
Harrogate	...	0.10	40	36	o	or	0.0	Hastings	...	0.16	47	44	fd	o
Scarborough	...	"	44	38	o	of	0.0	Bexhill-on-Sea	...	0.12	47	45	e. d	g
England, N.W.								Eastbourne	...	0.03	49	46	omd	og
Blackpool	...	0.15	42	37	o. or	mg	0.0	Seaford	...	0.16	47	44	f	f
Southport	...	0.18	42	36	o	omg	0.0	Brighton	...	0.14	47	45	of d. o	o
Buxton	...	0.13	41	35	mg	er. o	0.0	Worthing	...	0.12	47	44	dm	o
Matlock	...	...					...	Littlehampton	...	"	"	"	"	"
Douglas	...	...					...	Bognor	...	"	"	"	"	"
Wales.								Southsea	...	0.15	48	42	o. c	o. c. or
Rhyl	...	0.04	46	33	-	-	0.0	Bournemouth	...	0.25	47	41	o	or
Colwyn Bay	...	0.10	51	36	bc	p	0.0	Weymouth	...	0.17	48	40	omg	or
Llandudno	...	0.01	52	37	o	o	0.0	Teignmouth	...	0.17	50	37	o	or
Bettws-y-Coed	...	"					...	Torquay	...	0.28	50	37	o	r. o
Aberystwyth	...	0.08	48	37	o. c. o	or. o	0.0	Paignton	...	0.26	50	35	of	r
England, E.								Ilfracombe	...	0.27	52	40	or	r. o
Lowestoft	...	0.26	43	39	or	ofe	0.0	Weston-super-Mare	...	0.20	47	38	om. o	r
Felixstowe	...	0.17	44	40	df. o	dm. o	0.0							
Walton-on-Naze	...	0.20	44	41	r	o	0.0							
Southend-on-Sea	...	0.05	46	41	o	o	0.0							

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rain-fall.	WEATHER.			Sunshine for Yesterday.	STATIONS.	Rain-fall.	TEMPERATURE.		WEATHER.		
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.	Min. on Grass.		Forenoon.	Afternoon.	Night.				In Screen.	Night Min. on Grass.	Night.	Forenoon.	Afternoon.
	%	%	Max.	Min.		24 HOURS ENDED 9 A.M. TO-DAY.						Max.	Min.			
Greenwich (Royal Obs.)	89	77	50	37	0.28	o	o	opg. bc	0.0	Dublin to 4 p.m.	0.08	52	39	35	b. o	or
City (Bunhill Row)	"	"	"	"	"	"	"	"	0.0	Plymouth to 9 p.m.	0.52	51	39	29	omg	of
Westminster (St. James's Pk.)	90	76	52	39	0.16	bc	bc	r. b	0.0	Darwen "	0.40	44	35	30	of	of
Camden Sq. (Brit. Rainfall)	89	75	50	37	0.24	omg. o	o. or	or. bc	0.0	Manchester "	"	"	"	"	"	"
Hampstead (Reservoir)	"	77	49	36	0.25	or	or. bc	b	0.0	Birmingham "	"	"	"	"	"	"
Kew. (See front page.)										Oxford to 8 p.m.	"	47	41	41	ofe. o	o
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										S. Kensington (Museum Grounds to 6 p.m.)						
			Total.		Average Rate.		Max. Rate.			0.06						
S. Kensington (Roof of M.O.)			91 Joules.		2.8 Milliwatts.		10 Milliwatts.		0.0	0.06						

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

Jan 31st. Feb 1st, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 7.40 7.38	G.M.T. 12.7 12.7	G.M.T. 4.34 4.36
Greenwich	G.M.T. 7.43 7.41	G.M.T. 12.14 12.14	G.M.T. 4.45 4.47
Wick	G.M.T. 8.24 8.21	G.M.T. 12.26 12.26	G.M.T. 4.28 4.31
Valencia	G.M.T. 8.26 8.25	G.M.T. 12.55 12.55	G.M.T. 5.24 5.23

## NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to 50° or slightly above it in several parts of our western and southern districts. Over the country generally there was an entire absence of bright sunshine. Considerable amounts of rain fell in most districts, and lightning was seen at some of the Irish stations at night. A fresh to strong gale from the southward and south-westward was experienced very generally. Wireless reports show that as far west as the 21st meridian experienced gales or strong winds from the westward, and squally, showing weather.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; o. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrapping.



1913.

ADDITIONS AND CORRECTIONS  
TO THE  
DAILY WEATHER REPORT.

JANUARY 1913.



# ADDITIONS AND CORRECTIONS TO THE

## 1.—REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Ship's for Yester- day.
		Barom.	TEMP.		Wind.	Force (0 to 12).	Weather.	Barometer.	TEMP.		Wind.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.				
			At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.					At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.						Dry Bulb.	Change since Yester- day.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	
1st	Spitzbergen	27.58	-35	SE	1	b	27.57	-0.01	-35	-6	SE	1	b	5	0.02	50	42	copy	copy	copy	0.0	
"	Eastbay	27.57	-45	SE	2	b	27.56	-0.01	-45	-6	SE	2	b	5	0.05	50	41	"	"	"	"	
"	Spitzbergen	27.56	-45	SE	2	b	27.55	-0.01	-45	-6	SE	2	b	5	0.05	50	41	"	"	"	"	
2nd	Eastbay	27.55	-45	SE	2	b	27.54	-0.01	-45	-6	SE	2	b	5	0.12	50	41	"	"	"	"	
"	Spitzbergen	27.54	-45	SE	2	b	27.53	-0.01	-45	-6	SE	2	b	5	0.12	50	41	"	"	"	"	
"	Eastbay	27.53	-45	SE	2	b	27.52	-0.01	-45	-6	SE	2	b	5	0.12	50	41	"	"	"	"	
"	Spitzbergen	27.52	-45	SE	2	b	27.51	-0.01	-45	-6	SE	2	b	5	0.12	50	41	"	"	"	"	
3rd	Eastbay	27.51	-45	SE	2	b	27.50	-0.01	-45	-6	SE	2	b	5	0.15	50	41	copy	copy	copy	0.0	
"	Spitzbergen	27.50	-45	SE	2	b	27.49	-0.01	-45	-6	SE	2	b	5	0.15	50	41	"	"	"	"	
"	Eastbay	27.49	-45	SE	2	b	27.48	-0.01	-45	-6	SE	2	b	5	0.15	50	41	"	"	"	"	
"	Spitzbergen	27.48	-45	SE	2	b	27.47	-0.01	-45	-6	SE	2	b	5	0.15	50	41	"	"	"	"	
4th	Eastbay	27.47	-45	SE	2	b	27.46	-0.01	-45	-6	SE	2	b	5	0.15	50	41	copy	copy	copy	0.0	
"	Spitzbergen	27.46	-45	SE	2	b	27.45	-0.01	-45	-6	SE	2	b	5	0.15	50	41	"	"	"	"	
"	Eastbay	27.45	-45	SE	2	b	27.44	-0.01	-45	-6	SE	2	b	5	0.15	50	41	"	"	"	"	
"	Spitzbergen	27.44	-45	SE	2	b	27.43	-0.01	-45	-6	SE	2	b	5	0.15	50	41	"	"	"	"	
5th	Eastbay	27.43	-45	SE	2	b	27.42	-0.01	-45	-6	SE	2	b	5	0.14	50	41	copy	copy	copy	0.0	
"	Spitzbergen	27.42	-45	SE	2	b	27.41	-0.01	-45	-6	SE	2	b	5	0.14	50	41	"	"	"	"	
"	Eastbay	27.41	-45	SE	2	b	27.40	-0.01	-45	-6	SE	2	b	5	0.14	50	41	"	"	"	"	
"	Spitzbergen	27.40	-45	SE	2	b	27.39	-0.01	-45	-6	SE	2	b	5	0.14	50	41	"	"	"	"	
6th	Eastbay	27.39	-45	SE	2	b	27.38	-0.01	-45	-6	SE	2	b	5	0.02	50	42	copy	copy	copy	0.0	
"	Spitzbergen	27.38	-45	SE	2	b	27.37	-0.01	-45	-6	SE	2	b	5	0.02	50	42	"	"	"	"	
"	Eastbay	27.37	-45	SE	2	b	27.36	-0.01	-45	-6	SE	2	b	5	0.02	50	42	"	"	"	"	
"	Spitzbergen	27.36	-45	SE	2	b	27.35	-0.01	-45	-6	SE	2	b	5	0.02	50	42	"	"	"	"	
7th	Eastbay	27.35	-45	SE	2	b	27.34	-0.01	-45	-6	SE	2	b	5	0.04	50	42	copy	copy	copy	0.0	
"	Spitzbergen	27.34	-45	SE	2	b	27.33	-0.01	-45	-6	SE	2	b	5	0.04	50	42	"	"	"	"	
"	Eastbay	27.33	-45	SE	2	b	27.32	-0.01	-45	-6	SE	2	b	5	0.04	50	42	"	"	"	"	
"	Spitzbergen	27.32	-45	SE	2	b	27.31	-0.01	-45	-6	SE	2	b	5	0.04	50	42	"	"	"	"	
8th	Eastbay	27.31	-45	SE	2	b	27.30	-0.01	-45	-6	SE	2	b	5	0.05	50	42	copy	copy	copy	0.0	
"	Spitzbergen	27.30	-45	SE	2	b	27.29	-0.01	-45	-6	SE	2	b	5	0.05	50	42	"	"	"	"	
"	Eastbay	27.29	-45	SE	2	b	27.28	-0.01	-45	-6	SE	2	b	5	0.05	50	42	"	"	"	"	
"	Spitzbergen	27.28	-45	SE	2	b	27.27	-0.01	-45	-6	SE	2	b	5	0.05	50	42	"	"	"	"	
9th	Eastbay	27.27	-45	SE	2	b	27.26	-0.01	-45	-6	SE	2	b	5	0.46	50	42	copy	copy	copy	0.0	
"	Spitzbergen	27.26	-45	SE	2	b	27.25	-0.01	-45	-6	SE	2	b	5	0.46	50	42	"	"	"	"	
"	Eastbay	27.25	-45	SE	2	b	27.24	-0.01	-45	-6	SE	2	b	5	0.46	50	42	"	"	"	"	
"	Spitzbergen	27.24	-45	SE	2	b	27.23	-0.01	-45	-6	SE	2	b	5	0.46	50	42	"	"	"	"	
10th	Eastbay	27.23	-45	SE	2	b	27.22	-0.01	-45	-6	SE	2	b	5	0.08	50	42	copy	copy	copy	0.0	
"	Spitzbergen	27.22	-45	SE	2	b	27.21	-0.01	-45	-6	SE	2	b	5	0.08	50	42	"	"	"	"	
"	Eastbay	27.21	-45	SE	2	b	27.20	-0.01	-45	-6	SE	2	b	5	0.08	50	42	"	"	"	"	
"	Spitzbergen	27.20	-45	SE	2	b	27.19	-0.01	-45	-6	SE	2	b	5	0.08	50	42	"	"	"	"	
11th	Eastbay	27.19	-45	SE	2	b	27.18	-0.01	-45	-6	SE	2	b	5	0.03	50	42	copy	copy	copy	0.0	
"	Spitzbergen	27.18	-45	SE	2	b	27.17	-0.01	-45	-6	SE	2	b	5	0.03	50	42	"	"	"	"	
"	Eastbay	27.17	-45	SE	2	b	27.16	-0.01	-45	-6	SE	2	b	5	0.03	50	42	"	"	"	"	
"	Spitzbergen	27.16	-45	SE	2	b	27.15	-0.01	-45	-6	SE	2	b	5	0.03	50	42	"	"	"	"	
12th	Eastbay	27.15	-45	SE	2	b	27.14	-0.01	-45	-6	SE	2	b	5	0.03	50	42	copy	copy	copy	0.0	
"	Spitzbergen	27.14	-45	SE	2	b	27.13	-0.01	-45	-6	SE	2	b	5	0.03	50	42	"	"	"	"	
"	Eastbay	27.13	-45	SE	2	b	27.12	-0.01	-45	-6	SE	2	b	5	0.03	50	42	"	"	"	"	
"	Spitzbergen	27.12	-45	SE	2	b	27.11	-0.01	-45	-6	SE	2	b	5	0.03	50	42	"	"	"	"	
13th	Eastbay	27.11	-45	SE	2	b	27.10	-0.01	-45	-6	SE	2	b	5	0.15	50	42	copy	copy	copy	0.0	
"	Spitzbergen	27.10	-45	SE	2	b	27.09	-0.01	-45	-6	SE	2	b	5	0.15	50	42	"	"	"	"	
"	Eastbay	27.09	-45	SE	2	b	27.08	-0.01	-45	-6	SE	2	b	5	0.15	50	42	"	"	"	"	
"	Spitzbergen	27.08	-45	SE	2	b	27.07	-0.01	-45	-6	SE	2	b	5	0.15	50	42	"	"	"	"	
14th	Eastbay	27.07	-45	SE	2	b	27.06	-0.01	-45	-6	SE	2	b	5	0.04	50	42	copy	copy	copy	0.0	
"	Spitzbergen	27.06	-45	SE	2	b	27.05	-0.01	-45	-6	SE	2	b	5	0.04	50	42	"	"	"	"	
"	Eastbay	27.05	-45	SE	2	b	27.04	-0.01	-45	-6	SE	2	b	5	0.04	50	42	"	"	"	"	
"	Spitzbergen	27.04	-45	SE	2	b	27.03	-0.01	-45	-6	SE	2	b	5	0.04	50	42	"	"	"	"	
15th	Eastbay	27.03	-45	SE	2	b	27.02	-0.01	-45	-6	SE	2	b	5	0.04	50	42	copy	copy	copy	0.0	
"	Spitzbergen	27.02	-45	SE	2	b	27.01	-0.01	-45	-6	SE	2	b	5	0.04	50	42	"	"	"	"	
"	Eastbay	27.01	-45	SE	2	b	27.00	-0.01	-45	-6	SE	2	b	5	0.04	50	42	"	"	"	"	
"	Spitzbergen	26.99	-45	SE	2	b	26.98	-0.01	-45	-6	SE	2	b	5	0.04	50	42	"	"	"	"	
16th	Eastbay	26.98	-45	SE	2	b	26.97															



# THE REPORTS FOR JANUARY, 1913.

## 1.—REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.	
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.					
				At 82° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.		Direc.	Force (0 to 12).	At 82° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.				Direc.	Force (0 to 12).	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.		Night. 6 p.m. to 7 a.m.
17th	Raybank	29.18	40	E	7	0	29.28	0.10	41	+3	E	3											
	Vestmanna	29.19	39	E	5		29.26	0.07	40	+2	E	3											
	Stykkjoford	29.53	35	E	5		29.53	0.01	36	+2	E	3											
	Thorshavn	29.53	35	SE	5		29.40	0.13	42	0	SE	3											
	Lorient	29.53	35	W	6		29.43	0.10	42	0	W	3											
18th	P. Delgada	29.19	53	W	5		30.24	+0.05	52	-3	W	5											
	Castell Bay	29.31	53	W	5		30.34	+0.03	43	-1	SE	5											
	Isafjord	29.50	33	NE	8		29.56	-0.06	33	-1	NE	5											
	Raybank	29.52	37	E	6		29.39	+0.13	34	-7	E	5											
	Vestmanna	29.52	36	E	6		29.35	+0.17	41	0	E	5											
	Stykkjoford	29.56	36	E	6		29.52	-0.04	36	0		5											
	Thorshavn	29.47	41	SE	4		29.47	-0.01	41	+1	SE	4											
	Swansea	30.25	35	W	4		30.31	+0.06	54	0	W	4											
19th	P. Delgada	30.29	55	W	4		30.16	-0.13	57	0	W	4											
20th	Castell Bay	30.48	45	W	2		30.54	-0.06	43	0	E	3											
	Isafjord	30.38	42	E	5		29.72	-0.66	43	0	SE	3											
	Lorient	30.60	48	SE	5		29.72	-0.88	50	0	W	6											
	P. Delgada	30.38	50	W	4		30.32	-0.06	54	+3	W	4											
	Castell Bay	30.30	50	NE	3		30.54	+0.24	40	-1	NE	2											
21st	Drusville	29.27	44	W	5		29.20	-0.07	37	-1	W	2											
	Lorient	29.19	47	W	5		29.62	+0.43	48	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											
	Drusville	29.70	50	SE	5		29.91	+0.21	52	-2	W	6											

## 2.—CORRECTIONS.

1st	Blackhead Pt.	29.97												51						
	Pembroke	30.04																		
	Portlaoine	30.15																		
2nd	North Shields													42						
	Stockholm													47						
3rd	Down													47						
	St. John's	29.30												40						
	Malin Head													48						
	Rock's Point													48						
	Pembroke													48						
	Murquay													48						
4th	London (Newbury)	29.98												37						
	Isafjord													37						
5th	Down	30.13												31						
	Frankfurt													59						
6th	P. Delgada													37						
	Valencia													45						
7th	Rock's Point						29.76													
	St. John's																			
8th	Blackhead Pt.	29.69					29.90													
9th	Portlaoine																			
10th	Murquay																			
11th	Blackhead Pt.																			
12th	North Shields																			
13th	Lerwick																			
	Down																			
14th	Malin																			
	North Shields																			
	Murquay																			
15th	North Shields																			
	Murquay																			
	Scilly																			
17th	Isafjord on Sea																			
18th	Isafjord (Newbury)																			
	Scilly																			
	Valencia																			
19th	Scilly																			
	North Shields																			
	Holyhead																			
	Pembroke																			
	Isafjord																			

Continued on next page.



# WIRELESS TELEGRAMS.

## ADDITIONS AND CORRECTIONS-JANUARY, 1913.

ADDITIONS AND CORRECTIONS JANUARY, 1916.

DATE OF REPORT.	DATE AND HOUR OF OBSERVATION.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE OF REPORT.	DATE AND HOUR OF OBSERVATION.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
		Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.				Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
		"	"			In.	In.		(0-12).				"	"			In.	In.		(0-12).	
ADDITIONS.											CORRECTIONS.										
											1st	31st, 6 p.m.	"	"	Regantic		29.85				
											"	1st, 7 a.m.	"	"	Montfort		29.86	+0.5			
											3rd	2nd, 6 p.m.	15	"	Lake Michigan			0.00			
											4th	4th, 7 a.m.	"	"	Josephine						
											5th	5th, "	13	"	Corona			0.00			
											7th	6th, "	"	"	Thirskopolis		29.52	-0.1			
											"	"	49	"	Domination		29.74				
											"	" 6 p.m.	16	"	Pennitanka						
											9th	8th, "	12	"	Regantic		28.12	-4.8	7		
											11th	10th, 7 a.m.	26	"	Royal Edward		29.24	-2.5			
											"	"	"	28	Sellie		28.65	-1.9			
											"	"	"	"	Durina		28.94		10		
											12th	11th, "	50	"	Royal Edward		28.31				
											"	12th, 6 p.m.	49	"	Corrican						
											"	"	50	"	Royal Edward						
											13th	12th, 7 a.m.	50	"	Oceanic		28.49	0.5			
											15th	14th, "	"	"	Kronland			-1.2			
											17th	16th, 7 a.m.	"	"	Tracyotic						
											"	" 6 p.m.	"	18	Montezuma						
											18th	17th, "	"	"	Pennitanka				W		
											19th	18th, 7 a.m.	"	"	Finland				SSE		
											27th	26th, "	"	"							
											30th	29th, 6 p.m.	48	"							
GALES.																					
Duration and Extreme Force on British Coasts.																					
Additions.																					
1st	Castlebay.	8 a.m. to 2 p.m.		Extreme S.W. g.																	
4th	Castlebay.	7 p.m. to 4 a.m.		Extreme S.E. g.																	
9th	Castlebay.	4 a.m. to 7 a.m.		Extreme S.E. g.																	
10th	Castlebay.	7 a.m. to 4 a.m.		Extreme S.E. g.																	
11th	Castlebay.	4 p.m. to 7 a.m.		Extreme S.E. g.																	
12th	Stornoway.	6 p.m. to 7 a.m.		Extreme S.E. g.																	
"	Castlebay.	7 a.m. to 7 p.m.		Extreme S.E. g.																	
"	Garmouth.	4 p.m. to 3 a.m.		Extreme S.E. g.																	
Corrections.																					
11th	Aburdeen.	2 a.m. to 7 a.m.		Extreme S.E. g.																	
13th	Aburdeen.	5 p.m. to 11 a.m.		Squalls S.W. g.																	

### 2.—CORRECTIONS. (Continued from Page 3.)

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.								PAST 24 HOURS.						Sun- shine for Yester- day.
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.			
				At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.		Dir.	Force (0 to 12).	At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yesterday.				Dir.	Force (0 to 12).	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	
20th	Force	In.	.	.	.	.	In.	In.	.	.	.	.	.	.	In.	.	.	.	.	.	Hours.
21st	Perpignan	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4.0	.	.	.	.
21st	Spur Head	.	.	5	or	.	.	.	.	.	.	.	.	.	.	.	3.4	.	.	.	.
22nd	La Jive	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3.9	.	.	.	.
23rd	Dover	.	.	.	.	.	.	.	.	.	.	.	bc	.	.	.	.	.	.	.	.
23rd	Spitzbergen	30.30	-32.	.	.	.	30.26	00	-38	-9	.	.	.	.	.	-27	-38	.	.	.	.
24th	Donaghadee	.	43	.	.	.	29.35	.	.	.	.	.	.	.	.	.	.	.	.	.	.
24th	Blackhead Pt.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.17	.	.	.	.	.	.
24th	Dun Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6.4	.	.	.	.	.
25th	Funchal	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	32	.	.	.	.
25th	Stornoway	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
27th	London (W. Bay)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
27th	Pembroke	.	.	.	.	bm	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
28th	Dover	.	.	.	.	.	30.21	.	.	.	.	.	.	.	.	.	.	.	.	.	.
28th	Wick	.	.	.	.	.	30.00	.	.	.	.	.	.	.	.	.	.	.	.	.	.
28th	Pembroke	.	.	.	.	ogmp	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
28th	North Shields	30.05	.	.	.	.	.	.	.	.	.	.	.	.	.	.	12	.	.	.	.
29th	Bodø	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
29th	Dover	.	.	.	.	.	.	.	.	.	.	.	d	.	.	.	.	.	.	.	.
30th	Spur Head	29.95	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
30th	Jarmouth	30.01	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	odf	0.0
30th	London (W. Bay)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
30th	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
31st	Pembroke	.	.	.	.	ogq	.	.	.	.	.	.	.	.	.	.	4.0	.	.	.	.
31st	Nairn	.	.	.	.	.	28.77	.	.	.	.	.	.	.	.	.	.	.	.	.	.

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 AZORE  
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