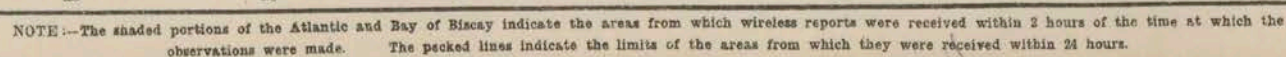


METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JULY TO 31ST DECEMBER 1912.



DAILY WEATHER REPORT. APPENDIX I.

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

THIRD QUARTER, JULY TO SEPTEMBER.
(Issued as a Supplement to the Daily Weather Report of October 1st.)

JULY.

AUGUST.

SEPTEMBER.

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.	Days with Rain.	Total Fall.	Average Duration.	Per Cent- age of Possible Duration.
Sumburgh Head.....	29°862	50°5	49°0	57°0	48°0	70	1897	37	1888	18	In. 2°32	—	—
Stornoway.....	29°897	52°5	50°7	60°1	48°9	76	1894	32	1888	20	2°93	144	27
Castlebay (Barra Isd.)..	[29°874]†	[53°9]†	[51°9]†	[58°3]†	[51°3]†	[71]†	[1908]†	[47]†	[1910]†	[19]†	[2°95]†	[161]†	[31]†
Malin Head.....	29°903	54°1	53°1	60°6	52°4	[75]†	[1887]†	[42]†	[1888, 02]†	[19]†	[2°89]†	—	—
Blackod Point.....	29°955	56°3	54°5	62°3	53°4	[80]†	[1894]†	[42]†	[1898]†	[22]†	[3°14]†	—	—
Valencia.....	30°012	58°8	54°8	63°9	53°7	80	1878	40	1907	20	3°61	156	32
Roche's Point.....	30°014	58°5	54°9	65°2	53°8	84	1876	43	1907	15	2°88	—	—
Birr Castle.....	29°983	56°8	52°1	66°2	51°7	89	1876	37	1889	17	2°99	142	28
Donaghadee.....	29°953	54°1	52°5	63°3	51°8	81	1876	40	1883, 02	17	2°91	—	—
Liverpool (Observatory)	29°971	56°1	53°4	65°6	54°2	88	1901	44	1877	15	2°69	[186]†	[37]†
Holyhead.....	29°969	56°7	54°9	63°3	53°6	85	1901	43	1888	16	2°71	—	—
Pembroke (St. Ann's Hd.)	29°993	55°6	54°4	62°3	54°7	80	1878	43	1910	15	2°47	209	42
Scilly (St. Mary's).....	30°146	57°6	55°5	64°7	56°4	75	1886, 01, 02	47	1910	16	2°24	218	45
Jersey (St. Aubin's).....	30°056	59°3	57°0	68°3	56°3	87	1900, 01	44	1907, 09	13	2°01	247	51
Portland Bill.....	30°010	57°5	55°8	64°7	55°9	[79]†	[1901]†	[49]†	[1900, 07]†	11	1°75	—	—
Dungeness.....	29°988	58°0	56°0	66°5	55°4	82	1900	40	1890	12	1°88	—	—
Dover.....	[29°963]†	[58°0]†	[55°7]†	[64°7]†	[52°8]†	[74]†	[1908]†	[46]†	[1908, 09, 10]†	[15]†	[2°61]†	[180]†	[37]†
Wick.....	29°885	52°2	50°3	61°1	48°4	81	1876	30	1886	18	2°66	—	—
Nairn.....	29°892	53°0	50°7	64°2	49°4	86	1876	36	1906	17	2°67	[135]†	[26]†
Aberdeen.....	29°909	54°5	51°9	63°1	50°3	86	1876	38	1898, 03	17	2°79	160	30
Leith.....	29°915	55°4	52°3	66°0	51°3	90	1876	41	1887, 8, 92, 03	17	2°73	—	—
North Shields.....	29°931	55°5	52°9	64°2	55°1	85	1876	39	1909	15	2°56	—	—
Spurn Head.....	29°944	56°4	54°3	64°9	54°6	[84]†	[1881, 1900]†	[44]†	[1882]†	13	1°82	—	—
Yarmouth.....	29°959	57°1	54°6	66°0	54°6	87	1881	42	1890	14	2°44	[177]†	[36]†
Clacton-on-Sea.....	29°988	58°0	55°5	67°7	54°6	[82]†	[1906]†	[40]†	[1902]†	10	1°80	[202]†	[41]†
Nottingham.....	29°974	56°7	54°4	70°1	52°1	92	1876	37	1888	15	2°39	[190]†	[38]†
Bath.....	30°019	58°5	56°4	69°4	53°4	[91]†	[1876]†	[39]†	[1906]†	13	2°53	204	41
Oxford.....	29°987	58°3	54°8	70°0	53°5	90	1876, 00	40	1888	14	2°47	201	41
LONDON { Westminster	29°990	57°8	55°1	[69°7]†	[54°8]†	[83]†	[1908]†	[45]†	[1907]†	[14]†	[1°99]†	179	36
Kew.....	30°009	57°7	54°8	70°8	54°3	90	1881	43	1882, 84	13	2°30	204	41
Sumburgh Head.....	29°788	51°5	49°9	57°2	48°3	82	1910	38	1885, 95, 09	20	3°11	—	—
Stornoway.....	29°838	52°9	51°3	60°0	49°0	75	1897, 99	32	1888	22	3°86	152	28
Castlebay (Barra Isd.)..	[29°872]†	[54°2]†	[52°5]†	[58°5]†	[51°5]†	[88]†	[1910]†	[47]†	[1908, 09]†	[20]†	[4°07]†	[139]†	[30]†
Malin Head.....	29°856	54°8	51°0	[61°0]†	[52°9]†	[80]†	[1900]†	[43]†	[1891]†	[22]†	[3°60]†	—	—
Blackod Point.....	29°907	57°0	55°1	[62°0]†	[53°5]†	[78]†	[1899]†	[42]†	[1887, 88]†	[23]†	[4°84]†	—	—
Valencia.....	29°976	57°5	55°5	64°2	53°9	81	1899	42	1890	23	5°09	152	34
Roche's Point.....	29°985	56°6	55°5	64°9	53°8	80	1880	44	1883, 03, 01	17	4°01	—	—
Birr Castle.....	29°949	56°5	54°9	65°6	51°2	82	1893, 99, 00	35	1885, 87	18	3°85	142	32
Donaghadee.....	29°912	54°6	53°3	63°1	52°0	78	1899	38	1896	19	3°27	—	—
Liverpool (Observatory)	29°941	56°7	54°2	65°1	54°0	85	1876, 84, 93, 99	44	1885	17	3°16	[164]†	[36]†
Holyhead.....	29°941	57°3	55°7	63°4	54°1	83	1893	46	1888	17	3°39	—	—
Pembroke (St. Ann's Hd.)	29°971	57°0	55°8	62°8	55°3	78	1899	47	1885, 88	16	3°27	193	43
Scilly (St. Mary's).....	30°126	58°7	56°9	65°0	56°9	75	1893, 99	50	1885, 90, 95	17	2°68	224	51
Jersey (St. Aubin's).....	30°057	61°2	58°5	68°8	57°2	89	1893	45	1890, 09	15	2°43	242	55
Portland Bill.....	30°003	59°3	57°5	65°5	56°8	[78]†	[1901]†	[49]†	[1904, 10]†	13	2°00	—	—
Dungeness.....	29°992	59°6	57°6	67°2	56°0	82	1904	39	1890	13	2°13	—	—
Dover.....	[29°993]†	[59°8]†	[56°9]†	[66°4]†	[53°8]†	[83]†	[1902]†	[46]†	[1908]†	[15]†	[2°49]†	[220]†	[50]†
Wick.....	29°827	52°4	50°9	61°1	48°2	85	1893	30	1886	20	2°75	—	—
Nairn.....	29°892	53°7	51°0	63°7	49°1	86	1899	33	1885, 91, 04	19	2°59	[132]†	[28]†
Aberdeen.....	29°909	54°5	52°4	62°7	49°9	81	1899, 82, 99, 06	33	1885	18	2°95	162	33
Leith.....	29°915	55°4	52°9	65°6	51°1	85	1893, 1906	38	1881, 92	17	2°85	—	—
North Shields.....	29°931	55°5	53°4	64°1	51°2	83	1893	39	1892, 02	16	2°84	—	—
Spurn Head.....	29°927	57°2	55°3	64°9	54°6	[87]†	[1893]†	[45]†	[1900]†	15	2°13	—	—
Yarmouth.....	29°957	58°0	55°6	66°2	54°4	85	1893	41	1902	15	2°61	[206]†	[48]†
Clacton-on-Sea.....	29°987	58°9	56°4	67°6	55°0	[84]†	[1900]†	[43]†	[1908]†	13	1°90	[211]†	[47]†
Nottingham.....	29°957	56°3	54°7	68°7	51°4	94	1876	37	1878, 08	17	2°62	[181]†	[40]†
Bath.....	30°006	58°0	55°6	68°9	52°5	[92]†	[1876]†	[40]†	[1877, 04]†	14	3°00	196	44
Oxford.....	30°008	58°9	55°8	68°9	52°7	90	1876, 06	39	1892	14	2°47	187	42
LONDON { Westminster	29°991	58°2	56°2	[69°7]†	[54°7]†	[81]†	[1906]†	[46]†	[1905, 07]†	[13]†	[1°80]†	172	38
Kew.....	30°008	57°9	55°5	69°6	53°6	92	1876	41	1890	14	2°38	191	43
Sumburgh Head.....	30°000	49°0	47°8	54°8	40°3	69	1898	34	1887, 88	20	3°18	—	—
Stornoway.....	30°037	50°7	49°1	57°5	46°2	77	1906	32	1885	21	3°96	115	30
Castlebay (Barra Isd.)..	[30°041]†	[52°4]†	[50°5]†	[56°8]†	[49°9]†	[69]†	[1910]†	[44]†	[1908, 09, 10]†	[16]†	[3°17]†	[129]†	[34]†
Malin Head.....	30°059	52°8	52°3	[63°8]†	[50°7]†	[84]†	[1906]†	[38]†	[1886]†	[18]†	[2°76]†	—	—
Blackod Point.....	30°090	55°0	53°2	[60°0]†	[51°2]†	[78]†	[1893]†	[39]†	[1899]†	[20]†	[4°08]†	—	—
Valencia.....	30°114	53°6	51°7	61°8	51°3	79	1898, 06	35	1899	19	4°09	132	35
Roche's Point.....	30°127	54°1	53°1	61°8	51°3	74	1880	39	1893	15	3°11	—	—
Birr Castle.....	30°114	52°4	51°0	61°9	47°2	80	1906	29	1899	15	2°53	126	33
Donaghadee.....	30°107	52°0	51°0	60°2	49°3	75	1906	36	1882, 94, 99, 09	16	2°62	—	—
Liverpool (Observatory)	30°120	53°0	50°7	61°3	50°8	87	1906	39	1885	15	2°56	[114]†	[30]†
Holyhead.....	30°109	54°9	53°1	60°8	51°9	78	1880	42	1903, 07	16	2°80	—	—
Pembroke (St. Ann's Hd.)	30°109	54°3	53°0	60°6	52°9	74	1895	40	1885	15	2°81	160	40
Scilly (St. Mary's).....	30°223	56°3	54°7	62°3	54°8	73	1899	44	1885, 88	16	2°57	170	46
Jersey (St. Aubin's).....	30°132	57°3	54°9	65°8	5								

DAILY WEATHER REPORT. APPENDIX I.

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

FOURTH QUARTER, OCTOBER TO DECEMBER.

(Issued as a Supplement to the Daily Weather Report of December 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 Maximum.	Daily Minimum.	Maximum.		Minimum.					
						Temp.	Year.	Temp.	Year.				
OCTOBER.													
Sumburgh Head	29.798	47.3	45.8	50.1	42.0	63	1908	28	1887	25	4.12	—	—
Stormoway	29.772	47.6	46.2	51.9	40.9	70	1898	26	1880	24	5.36	85	27
Castlebay (Barra Isd.)	[29.881]++	[51.0]++	[49.2]++	[54.1]++	[48.3]++	[63]++	[1908]++	[34]++	[1909]++	[19]++	[3.11]++	[80]++	[25]++
Malin Head	29.755	49.8	48.8	[53.0]†	[45.6]†	[73]†	[1908]†	[32]†	[1892]†	[21]†	[3.11]†	—	—
Blackod Point	29.785	51.5	49.4	[54.5]†	[45.9]†	[71]†	[1908]†	[29]†	[1905]†	[23]†	[5.10]†	—	—
Valencia	29.786	52.1	49.7	50.5	46.5	71	1908	28	1892	22	5.23	101	31
Roche's Point	29.817	51.5	50.5	56.1	46.4	65	1880, 4, 6	32	1881	18	4.05	—	—
Birr Castle	29.810	47.8	46.7	54.9	40.9	74	1908	22	1880, 1905	18	2.87	96	30
Donaghadee	29.828	49.5	48.2	54.1	44.1	66	1898	21	1892	18	2.97	—	—
Liverpool (Observatory)	29.863	48.9	47.2	54.1	44.8	73	1908	27	1895	19	3.36	[96]++	[30]++
Holyhead	29.831	51.7	50.4	54.9	47.0	75	1908	32	1892	19	4.06	—	—
Pembroke (St. Ann's Hd.)	29.825	52.0	50.5	55.3	48.2	67	1908	33	1895	19	4.18	103	32
Scilly (St. Mary's)	29.944	53.5	51.8	57.3	50.3	69	1895	38	1895, 96	21	3.70	117	36
Jersey (St. Aubin's)	29.900	54.6	52.5	59.0	49.4	76	1908	33	1887	21	4.53	126	38
Portland Bill	29.882	54.6	53.2	58.9	48.6	[67]†	[1908]†	[35]†	[1905, 08]†	17	3.86	—	—
Dungeness	29.897	53.6	52.0	67.2	46.3	70	1886, 1908	23	1890	17	[3.23]†	—	—
Dover	[30.017]++	[52.6]++	[51.3]++	[58.8]++	[48.4]++	[74]++	[1908]++	[30]++	[1909]++	[18]++	[4.39]++	[120]++	[37]++
Wick	29.796	47.3	45.5	52.2	40.6	73	1898	22	1885	21	3.09	—	—
Nairn	29.796	45.4	43.7	52.9	39.5	76	1908	19	1896	19	2.50	[108]**	[35]**
Aberdeen	29.840	47.7	46.4	52.8	41.5	74	1888	25	1880	20	2.95	97	31
Leith	29.828	48.8	46.8	54.9	42.0	75	1908	25	1894	17	2.40	—	—
North Shields	29.859	48.9	47.6	54.0	42.4	77	1908	27	1890, 92, 95, 1909	18	2.97	—	—
Spurn Head	29.873	51.5	50.1	54.4	46.0	[70]*	[1900]*	[33]*	[1887, 95]*	17	2.40	—	—
Yarmouth	29.905	51.9	50.3	54.9	45.2	74	1900, 08	27	1895	18	2.88	[107]++	[33]++
Clacton-on-Sea	29.912	52.7	51.3	55.6	45.7	[71]†	[1908]†	[29]†	[1905]†	14	2.60	[108]†	[33]†
Nottingham	29.887	48.1	47.4	55.3	41.9	78	1908	20	1890	20	2.57	[85]†	[26]†
Bath	29.893	48.9	48.5	57.1	42.8	[77]†	[1908]†	[24]†	[1905]†	15	3.18	97	30
Oxford	29.917	49.7	48.5	56.0	42.6	76	1886, 1908	23	1890	16	2.78	99	31
LONDON { Westminster	29.900	51.4	50.1	[58.8]†	[46.7]†	[72]†	[1908]†	[29]†	[1905, 09]†	[17]†	[2.33]†	71	22
LONDON { Kew	29.912	50.2	49.0	56.0	43.4	77	1886	25	1881, 95	17	2.70	93	29
NOVEMBER.													
Sumburgh Head	29.729	42.1	40.5	46.1	38.7	58	1901	25	1880, 98, 04	24	4.00	—	—
Stormoway	29.782	42.6	41.4	47.3	37.8	58	1897, 01, 02	20	1880	24	5.61	42	18
Castlebay (Barra Isd.)	[29.811]++	[45.2]++	[43.3]++	[48.5]++	[41.3]++	[55]++	[1908, 09]++	[32]++	[1909, 10]++	[21]++	[4.00]++	[61]++	[26]++
Malin Head	29.811	44.9	43.8	[48.6]†	[41.8]†	[59]†	[1894, 9, 05]†	[30]†	[1909]†	[21]†	[3.20]†	—	—
Blackod Point	29.868	46.2	44.3	[50.3]†	[42.1]†	[60]†	[1897, 99]†	[26]†	[1890]†	[23]†	[5.06]†	—	—
Valencia	29.819	46.2	43.9	52.2	42.7	63	1881	27	1890, 96, 01	22	5.46	66	26
Roche's Point	29.930	45.3	44.3	51.3	42.3	61	1908, 09	27	1890	19	4.32	—	—
Birr Castle	29.913	39.9	38.9	49.3	36.8	62	1899	17	1900	18	3.06	64	25
Donaghadee	29.880	43.6	42.6	49.1	39.8	60	1894, 09	27	1878, 83	19	3.07	—	—
Liverpool (Observatory)	29.902	42.2	40.7	48.3	40.0	61	1894, 95, 99	22	1880	18	2.60	[75]++	[30]++
Holyhead	29.887	46.2	44.6	50.1	42.8	62	1881	29	1880	19	4.19	—	—
Pembroke (St. Ann's Hd.)	29.903	46.6	44.5	50.9	43.8	58	1884, 95, 97, 99, 01	28	1890	19	3.76	65	25
Scilly (St. Mary's)	30.043	48.6	46.6	53.2	46.4	61	1898	29	1890	20	3.48	75	28
Jersey (St. Aubin's)	29.953	47.9	45.8	52.8	44.3	66	1899	16	1890	21	4.18	77	29
Portland Bill	29.915	48.0	46.2	51.6	43.7	[61]†	[1900]†	[30]†	[1902]†	15	2.48	—	—
Dungeness	29.900	44.4	42.8	50.4	40.7	63	1899	17	1890	17	[2.60]†	—	—
Dover	[29.924]++	[44.2]++	[39.7]++	[48.0]++	[37.5]++	[63]++	[1908]++	[27]++	[1910]++	[10]++	[2.50]++	[105]++	[40]++
Wick	29.790	41.5	40.0	46.9	36.8	62	1900	12	1900	20	3.02	—	—
Nairn	29.788	40.1	38.6	46.8	35.5	62	1906	12	1904	18	2.24	[63]**	[27]**
Aberdeen	29.815	40.4	39.1	46.8	37.2	62	1889	14	1909	19	3.05	56	23
Leith	29.832	41.7	39.7	48.5	37.7	63	1885	18	1885	15	1.98	—	—
North Shields	29.855	41.2	40.0	48.2	37.9	62	1894	20	1880	17	2.24	—	—
Spurn Head	29.861	43.8	42.2	48.0	40.7	[61]*	[1894, 95]*	[28]*	[1884]*	15	1.80	—	—
Yarmouth	29.887	43.3	41.8	48.1	39.4	60	1895, 8, 9, 04	23	1890	18	2.53	[83]++	[32]++
Clacton-on-Sea	29.913	42.8	41.7	48.2	39.3	[60]†	[1908]†	[25]†	[1904]†	15	1.89	[75]†	[29]†
Nottingham	29.904	40.5	39.5	48.2	36.9	63	1895	13	1904	19	1.89	40	16
Bath	29.938	41.6	40.5	50.2	37.5	[64]†	[1879]†	[18]†	[1901]†	13	2.89	59	23
Oxford	29.951	41.0	39.8	48.9	37.7	63	1899	17	1904	15	2.31	59	23
LONDON { Westminster	29.919	42.6	41.4	[49.7]†	[38.6]†	[62]†	[1907]†	[25]†	[1905, 10]†	[15]†	[2.14]†	28	11
LONDON { Kew	29.936	41.6	40.2	48.8	38.5	63	1876	21	1901	16	2.19	51	20
DECEMBER.													
Sumburgh Head	29.694	40.0	38.8	43.3	36.2	53	1890, 05	19	1877, 09	27	4.44	—	—
Stormoway	29.698	40.1	39.2	44.1	35.0	55	1898	15	1880	26	5.94	24	12
Castlebay (Barra Isd.)	[29.697]++	[44.0]++	[42.1]++	[47.0]++	[40.2]++	[53]++	[1908]++	[27]++	[1900]++	[26]++	[5.13]++	[38]++	[18]++
Malin Head	29.631	42.4	41.7	[45.8]†	[38.6]†	[55]†	[1900, 04]†	[28]†	[1906, 09]†	[23]†	[3.15]†	—	—
Blackod Point	29.683	44.6	42.8	[47.5]†	[39.8]†	[60]†	[1899]†	[25]†	[1906]†	[26]†	[5.83]†	—	—
Valencia	29.752	45.5	43.3	49.9	40.8	57	1884, 88, 99, 1900	24	1886	25	6.32	41	17
Roche's Point	29.767	44.2	43.3	48.6	40.2	57	1906	25	1882	23	5.19	—	—
Birr Castle	29.735	40.3	39.3	45.7	34.4	58	1877, 1900	8	1878	20	3.10	43	19
Donaghadee	29.712	41.8	41.0	45.6	36.8	56	1885, 88, 94, 99	20	1879	21	3.08	—	—
Liverpool (Observatory)	29.760	40.4	38.8	44.4	36.3	59	1891, 98, 1900	13	1878	18	2.63	[48]++	[21]++
Holyhead	29.729	43.8	42.6	46.6	39.5	56	1888	26	1878, 90, 02	20	3.95	—	—
Pembroke (St. Ann's Hd.)	29.750	44.7	42.9	47.8	40.9	57	1899, 02	19	1890	22	4.18	42	18
Scilly (St. Mary's)	29.916	47.1	45.0	50.6	44.1	58	1899, 00	30	1890	22	4.28	56	23
Jersey (St. Aubin's)	29.858	45.1	43.2	48.4	40.7	61	1876	22	1890	21	3.85	60	24
Portland Bill	29.795	45.9	44.6	47.7	40.5	[56]†	[1906, 07]†	[24]†	[1908]†	18	2.68	—	—
Dungeness	29.798	41.7	40.5	45.6	39.6	56	1880, 97, 98, 1900, 07	12	1890	17	[2.41]†	—	—
Dover	[29.807]++	[41.0]++	[39.9]++	[45.2]++	[36.8]++	[52]++	[1910]++	[18]++	[1908]++	[18]++	[3.43]++	[48]++	[20]++
Wick	29.613	39.2	37.8	43.3	33.8	52	1906, 07	10	1880, 06	21	3.08	—	—
Nairn	29.634	37.3	35.8	42.7	32.1	58	1900	9	1906	19	2.09	[43]**	[21]**
Aberdeen	29.676	38.7	37.3	42.6									

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

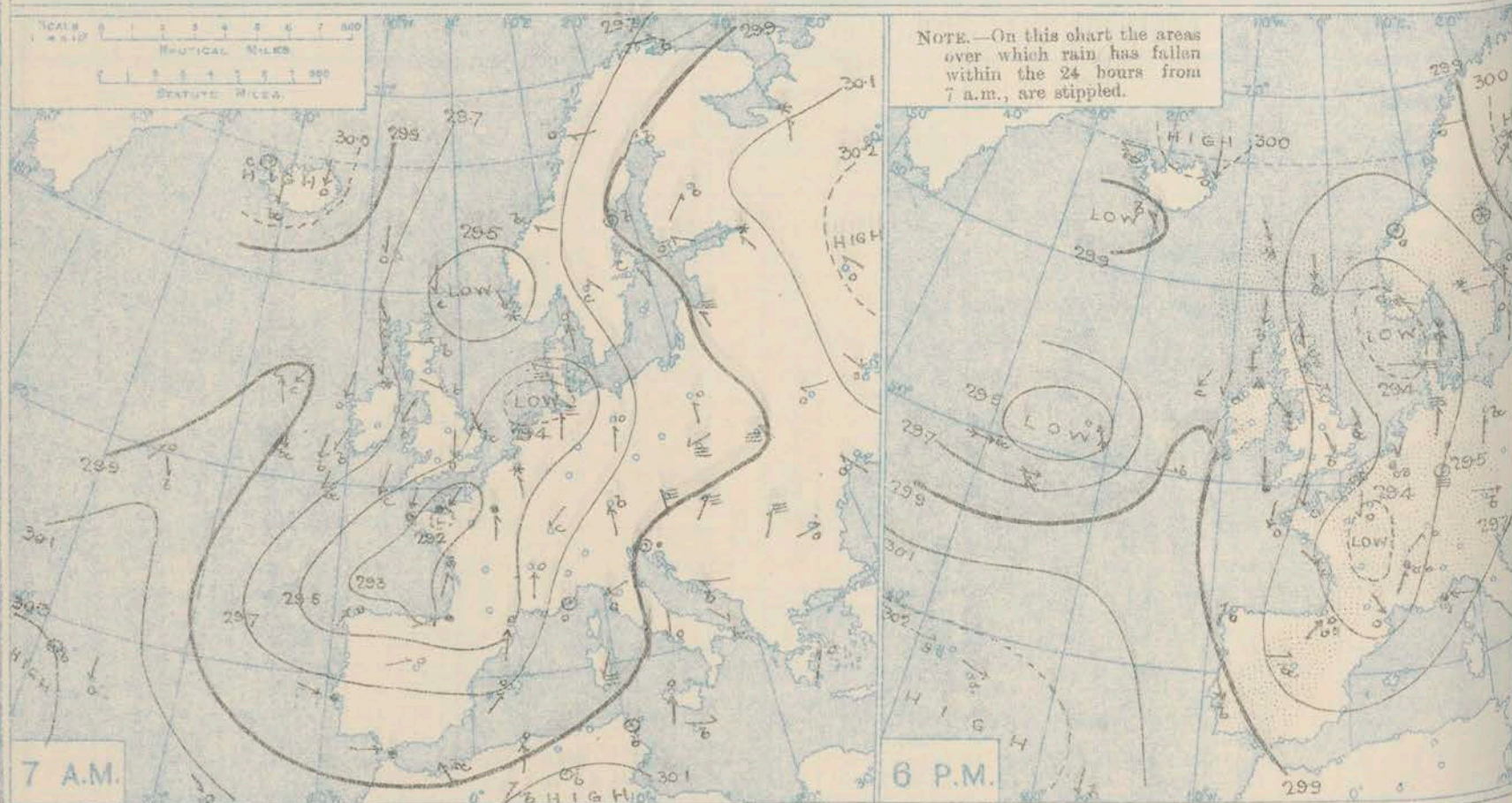
Sunday,
1st December, 1912.

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 2).	Rain- fall.	Temp.	Weather.			Sun- shine for Yester- day.						
														At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dirac.		Force (0 to 12).	Weather.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	
																		Hours.					
Lerwick	29.57	31	NNW	4	bc	29.49	-0.3	33	-1	NW	2	c	1	0.17	36	27	csp	bc	csp	bc	0.8		
Stornoway	29.77	28	N	4	b	29.70	-0.1	23	-7	N	1	bc	4	0.02	32	22	bosp	bc b	bosp	bc b	1.0		
Castlebay (Barra Isd.)	29.79	30	NW	3	s	29.68	-0.2	31	-2	E	2	o	2	0.18	36	26	bosh.c	chsp	s.c.b.c	bc	0.8		
Malin Head	29.78	35	N	6	chp	29.67	-0.7	36	+1	S	4	cg	3	0.07	39	33	cspq	cg'hp	cg	bc	0.8		
Blacksod Point	29.85	36	NNE	1	o	29.58	-1.2	37	-2	S	5	r	3	-	41	32	c	opm	cm	cm	0.8		
Valencia	29.80	35	NNE	1	bc	29.57	-1.0	44	+9	SSE	5	r	4	0.24	45	30	bcbsp	bc	cbm r	bc	3.5		
Roche's Point	29.88	35	NW	2	b	29.66	-	43	+10	SSW	4	r	4	0.08	43	31	b	b	bx-or	bc	0.8		
Birr Castle	29.83	29	N	1	b	29.69	-	31	+9	E	2	o	4	-	34	20	bcx	bx	bcx-o	bc	1.7		
Donaghadee	29.74	32	W	2	bosp	29.75	-0.2	28	-2	W	1	c	1	Trace	34	27	bcsp	bc	bc	bc	0.8		
Liverpool Obsy.	29.72	33	NNW	4	s	29.75	-0.0	32	+6	WSW	2	bc	2	0.15	38	26	b	bc s	bc s	bc s	5.3		
Holyhead	29.71	40	NW	7	c	29.74	-0.0	37	0	NNW	3	bc	2	0.04	41	36	bc	chq	bc	bc	0.8		
Pembroke (St. Ann's Hd.)	29.77	38	NNW	3	bc	29.79	-0.1	41	+9	WSW	2	c	2	0.01	42	32	bcq	cg	bc	bc	4.1		
Newquay	29.78	41	N	5	cp	29.83	-0.0	36	+1	E	1	o	3	-	45	35	bcv	br	bc-o	bc	5.8		
Scilly (St. Mary's)	29.80	41	N	4	bcq	29.82	-0.1	45	+5	WSW	3	cm	4	-	46	37	bc	cq	bc	bc	5.6		
Jersey (St. Aubin)	29.62	41	NNE	6	ogm	29.92	-	39	-3	NNW	2	ogm	2	0.18	43	36	ogp.og	ogpm	bcmm	bcmm	0.0		
Portland Bill	29.70	35	NE	4	bc	29.90	+0.3	41	+6	NW	3	c	3	-	41	33	c-o	b	bc	bc	0.8		
Dungeness	29.56	35	NNE	5	c	29.79	+0.8	29	-1	W	3	bx	3	0.09	40	22	cp-o	o-c	c-bx	bc	0.8		
Dover	29.56	35	NNE	6	o	29.82	-	28	-11	NW	2	b	2	0.13	39	27	r-o	osp-o	bcx	bcx	0.0		
Wick	29.63	33	N	5	bc	29.58	-0.0	22	-3	NNW	2	c	3	0.30	36	21	asp-c	csp bc	bc csp	bc	0.8		
Nairn	29.69	31	NNW	1	bc	29.65	-	24	-1	NNW	1	bc	1	0.13	33	21	os	bcq	bc	bc	0.0		
Aberdeen	29.61	32	NNW	3	c	29.62	-0.0	24	-3	NNW	3	b	2	0.56	32	24	bc asp	as c	c-b	c-b	0.8		
Leith	29.67	35	NW	3	bc	29.70	+0.1	25	0	SW	1	bc	-	-	35	24	sp bc b	b-beg	bc	bc	0.8		
North Shields	29.62	24	WNW	2	c	29.69	+0.1	23	0	WSW	1	c	2	Trace	28	20	c	c	c-sp	c-sp	2.7		
Spurn Head	29.61	32	WNW	5	bc	29.69	+0.1	30	-4	W	5	b	5	-	34	28	bc	bc	bc	bc	0.8		
Yarmouth	29.56	36	NNW	3	bc	29.74	+0.5	30	-10	W	2	bc	1	0.03	42	28	bc	bc	bcx-x	bcx-x	0.3		
Clacton-on-Sea	29.59	32	NNW	3	bc	29.77	+0.6	27	-10	WNW	3	b	2	-	39	26	o	o-c bc	bc-bx	bc-bx	0.0		
Nottingham	29.67	29	NW	1	b	29.75	-	28	0	W	2	ox	-	-	35	23	bc-bm	bm	bcmm	bcmm	0.8		
Bath	29.74	29	NW	1	b	29.85	-	27	-5	S	1	bc	-	-	35	26	bc	b	-	-	1.8		
Oxford	29.73	29	NNW	2	c	29.85	-	27	-3	WSW	3	b	-	-	36	26	o	bc	bc-c	bc-c	0.8		
London (Kew Obsy.)	29.63	31	NNW	2	b	29.83	+0.4	27	-6	SSW	2	bx	-	-	36	26	o-c bc	bc-b	bc-bx	bc-bx	0.2		
Isafjord	29.99	22	E	2	bc	29.80	-0.4	24	+1	NE	8	c	-	-	-	-	-	-	-	-	-		
Reykjavik	29.87	18	E	4	b	29.64	-0.2	22	+2	NE	6	bc	-	-	-	-	-	-	-	-	-		
Vestmanna	29.89	23	SE	3	b	29.63	-0.4	28	+6	E	9	b	3	-	-	-	-	-	-	-	-		
Seydisfjord	29.99	29	N	5	o	29.84	-0.2	17	-2	-	0	c	-	-	-	-	-	-	-	-	-		
Thorshavn	29.72	23	NNW	4	s	29.62	-0.1	28	+4	N	3	c	-	-	-	-	-	-	-	-	-		
Haparanda	30.07	25	SW	4	s	29.98	-0.2	24	-3	SE	2	o	-	Trace	32	14	-	-	-	-	-		
Hernösand	29.83	34	-	0	s	29.73	-0.2	36	+9	SE	2	o	-	0.28	39	23	-	-	-	-	-		
Stockholm	29.71	35	S	2	o	29.51	-0.2	37	+5	SE	6	r	-	0.08	37	32	-	-	-	-	-		
Wisby	29.71	36	S	2	o	29.60	-0.3	38	+3	SSE	2	o	-	0.04	39	34	-	-	-	-	-		
Karlstad	29.58	33	E	4	s	29.44	-0.4	35	+1	SE	2	r	-	0.32	36	32	-	-	-	-	-		
Færder (X'ania Fjord)	29.48	36	E	6	r	29.32	-0.2	36	+1	SSW	2	r	3	0.20	36	32	-	-	-	-	-		
Bodö	29.78	33	E	2	o	29.73	-0.4	30	-3	E	2	bc	1	-	34	28	-	-	-	-	-		
Christiansund	29.58	35	-	0	o	29.39	-0.8	35	+3	ESE	2	o	3	-	36	32	-	-	-	-	-		
Skudesnaes	29.38	37	ESE	4	o	29.30	-0.1	33	+3	-	0	o	2	0.08	37	28	-	-	-	-	-		
The Scaw (Skagen)	29.40	40	S	4	r	29.37	-0.1	40	+1	SSW	3	o	1	0.08	40	36	-	-	-	-	-		
Blaavands Huk	29.38	38	W	1	m	29.43	+0.4	39	+7	NNW	3	c	2	Trace	39	30	-	-	-	-	-		
Cuxhaven	29.47	36	S	2	m	29.50	+0.4	36	+1	WSW	1	o	-	0.12	39	35	-	-	-	-	-		
The Helder	29.51	39	N	3	r	29.64	+0.5	40	-1	SW	3	c	1	-	43	37	-	-	-	-	-		
Brussels	29.49	35	NNE	3	r	29.77	+1.5	32	-1	WSW	2	b	-	0.83	37	32	-	-	-	-	-		
Berlin	29.60	38	S	3	bc	29.49	-0.2	34	-1	S	3	o	-	0.04	43	34	-	-	-	-	-		
Frankfurt	29.50	42	-	0	f	29.62	+1.0	37	-3	NW	3	o	-	0.12	45	37	-	-	-	-	-		
Munich	29.61	31	W	4	b	29.69	-0.6	38	+12	SW	2	o	-	-	41	25	-	-	-	-	-		
C. Gris Nez	29.53	38	N	7	r	29.81	+0.7	35	-5	NW	5	c	4	0.55	43	32	-	-	-	-	-		
La Hève	29.62	37	NE	6	o	-	-	38	+2	NNW	4	o	4	0.12	43	36	-	-	-	-	-		
Brest (St. Mathieu)	29.78	38	NNE	6	o	29.97	+0.2	46	0	SW	4	o	5	0.08	48	37	-	-	-	-	-		
Lorient (Rec. Melen)	29.63	42	NNE	6	bc	29.94	-	45	-1	NNW	2	o	3	-	54	37	-	-	-	-	-		
Rochefort (U. d' Aix)	29.49	47	NW	3	c	30.02	-	38	-9	NNE	3	c	-	0.24	52	37	-	-	-	-	-		
Blarritz	29.57	50	SW	4	o	30.00	-	48	0	NE	4	o	7	0.51	54	46	-	-	-	-	-		
Paris	29.41	41	N	4	r	29.89	+1.2	29	-15	-	0	b	-	0.20	46	29	-	-	-	-	-		
Belfort	29.49	40	SW	2	o	29.83	-	33	-3	W	6	o	-	0.08	41	33	-	-	-	-	-		
Lyons	29.43	45	SSW	2	r	29.88	-	39	-7	NW	1	o	-	0.63	49	37	-	-	-	-	-		
Nice	29.66	47	E	6	r	29.74	+1.0	44	+2	-	0	o	6	1.73	50	39	-	-	-	-	-		
Perpignan	29.46	49	NW	5	o	29.84	+0.8	48	-5	NW	4	b	-	-	64	41	-	-	-	-	-		
Sanguinaire																							
Corunna (S. a. m.)	29.82	54	SSW	3	o	30.16	+0.4	41	-5	NE	1	o	7	-	57	37	-	-	-	-	-		
Lisbon (S. a. m.)	29.97	53	NNW	4	b	30.20	+1.0	48	-4	NNW	3	c	6	0.08	57	48	-	-	-	-	-		
Gibraltar	29.92	55	W	6	b	30.04	-	47	-9	W	2	b	2	0.23	60	47	-	-	-	-	-		
Azores (P. Delgada)	30.27	63	WNW	4	o	30.26	+0.2	62	+3	-	0	c	1	-	66	59	-	-	-	-	-		
Azores (Flores)	30.24	63	W	3	b	30.21	-0.0	65	+6	SSW	3	o	2	-	66	59	-	-	-	-	-		
Madeira (Funchal)	30.18	64	N	3	b	30.12	+0.2	62	-1	N	3	c	3	-	70	52	-	-	-	-	-		

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. 30th NOVEMBER



GENERAL INFERENCES

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 HOISTED

AT 8.27 AM. TODAY.

6 {
a
b

7 {
a
b

8 {
a
b

9 {
a
b

10 {
a
b

11 WESTERN CHANNEL AND BAY.

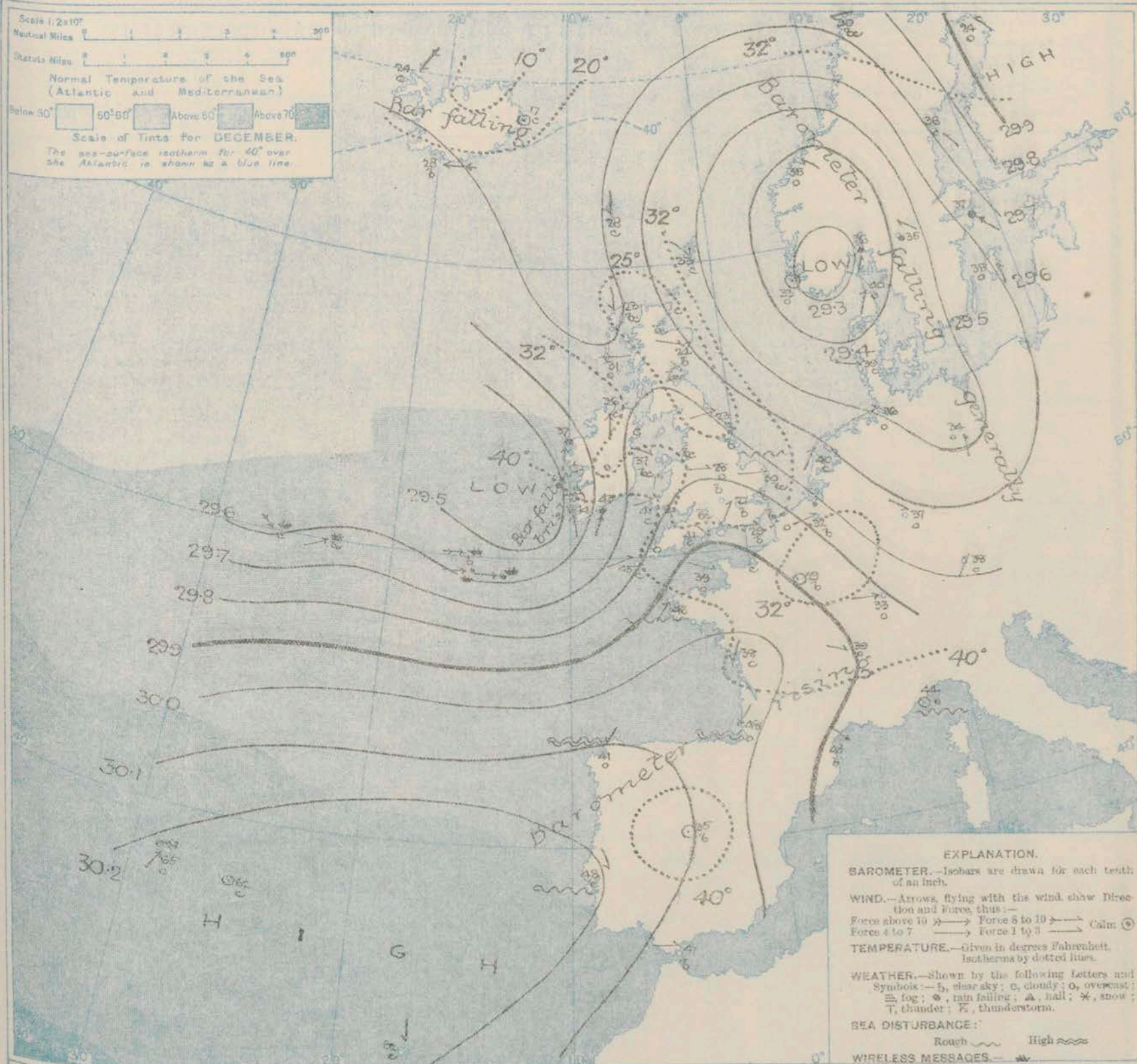
THE FURTHER OUTLOOK.

Issued

Issued

Stone

SYNOPTIC CHART FOR 7 A.M. SUNDAY, 17th DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is below 29.3 in. in a depression over the south of Norway, and below 29.5 in. in another off the west of Ireland. Over the Azores and thence to Portugal the readings are above 30.2 in., and relatively high over France, while a wedge of high pressure of less intensity extends from Iceland to the Hebrides.

Over England the main wind current is easterly and of little force, and in Scotland northerly to north-easterly, but in Ireland there is an increasing breeze from the southward, and, according to wireless reports, a westerly wind, strong to a gale, prevails on the Atlantic as far west as the 25th meridian. In the west of Ireland

strong winds and gales from East and North-East are reported. Beyond the North Sea a separate circulation round the Norwegian pressure minimum prevails. Temperature has risen briskly in the southwest of these islands, fallen over the Kingdom generally. The readings range from 45° at Scilly and 44° at Valencia to below 32° generally, and to below 25° over the major portion of Scotland. Rain is falling in the west and south of Ireland, and cloud is extending over the western districts generally, but in the east and north of the United Kingdom the weather is fair to bright. At the Continental stations the condition of the sky varies greatly; in the south of Scandinavia rain is falling.

DAILY WEATHER REPORT.

Sunday, 1st December, 1912.

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.	
30th. 6 p.m.	49	29	Majestic	O	29.51	+13	W	8-9	bc	30th. 7 a.m.	50	25	Majestic	O	29.93	-07	SW	4-5	c
" "	48	25	Menominee	H	29.65	+04	W	8-9	bc	" "	48	23	Minneapolis	H	30.06	00	NNW	1-3	b
" "	51	21	Bedie	O	29.43	-30	SSE	8-9	o	" "	54	16	Columbia	H	29.93	00	SSE	6-7	c
" "	50	14	Montreal	O	29.92	+04	W	4-5	b	" "	49	16	Minnetonka	O	29.85	-14	WNW	4-5	c
" "	55	11	Hooperian	H	29.84	-03	NE	4-5	c	" "	55	15	Hooperian	H	29.91	00	NE	4-5	c
" 1 p.m.	55	14	Columbia	H	29.92	-02	NNE	1-3	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.		In.					Hr.	England, S.E.		In.					Hr.
{ Oban								{ Ramsgate		0.10	46	35	*	*	0.0
{ Stonehaven								{ Margate		0.04	42	36			0.0
{ St. Andrews								{ Deal		0.10	41	33	fog	0	0.0
{ Carnoustie								{ Littlestone							0.0
England, N.E.								{ Folkestone		0.21	40	33	f. bc.	5.0	0.0
{ Harrogate			31	20			5.9	{ Hastings		0.16	38	33	05	0	0.0
{ Scarborough								{ Bexhill-on-Sea		0.10	40	33	e.o.	0	0.0
England, N.W.								{ Eastbourne		0.07	?	34	0	0	0.0
{ Blackpool			38	22	c	c.b.	4.6	{ Seaford		0.08	39	31	02	0	0.0
{ Southport			38	22	bc.	c.b.	5.5	{ Brighton		0.03	37	34	05.0	0.0	0.0
{ Buxton			30	21	b.c.	b.c.	2.6	{ Worthing		0.02	37	33			0.0
{ Douglas								{ Littlehampton							0.0
Wales.								{ Southsea							
{ Rhyl		0.03					3.8	{ Bournemouth		0.03	36	30	0	0.6	7
{ Colwyn Bay		0.05	38	28	0	0	3.2	England, S.W.							
{ Llandudno								{ Weymouth			36	31	0.0	c.b.	3.3
{ Bettws y-Coed					bc.	c.o.	5.7	{ Teignmouth			42	32	0.0	b.	3.5
{ Aberystwyth			38	28				{ Torquay		0.01	40	34	0.0	b.	3.3
England, E.								{ Paignton			39	34	c	bc	
{ Walton-on-the-Naze			38	32	m.o.	c.b.c.	0.0	{ Weston-super-Mare							5.0
{ Lowestoft			39	32			0.0	{ Chascombe			42	35	b	b	
{ Felixstowe			39	32			0.0								
{ Southend-on-Sea		0.01	38	31	0	0	0.0								

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rainfall.	WEATHER.			Sunshine for Yesterday.
	3 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.)	71	78	36	26	18	0	0.6	b2	0.2
City (Banhill Row)									0.0
Westminster (St. James's Pl.)	73	68	37	26	21	bc.	bc.	bimc.	0.0
Camden Sq. (Brit. Rainfall)	77	84	36	23	19	0	bc.	bc. bc.	0.0
Hampstead (Reservoir)		93	30	24	17	c.o.	0.0	bc.	0.3
24 HOURS ENDED 6 P.M. YESTERDAY.									
South Kensington			38	32	23				
" (Roof of M.O.)	67	100	39	33		0	0.0	c.b.c.	0.0

Additional Observations for Yesterday.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.			Sunshine for Yesterday.
		In Screen.	Min. on Grass.	Night.	Forenoon.	Afternoon.	
		Max.	Min.				
Dublin to 4 p.m.		33	27	25	bc.	bc.	5.1
Plymouth to 9 p.m.		40	31	20	b.c.	c.	3.4
Darwen		30	18	18	bc.	bc.	0.0
Manchester		34	27		c.	bc.	0.3
Birmingham		32	26	18	c	0	

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

1st & 2nd Dec. 1912.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	7.42	11.42	3.42
	7.43	11.42	3.42
Greenwich	7.45	11.49	3.54
	7.46	11.49	3.53
Wick	8.38	12.11	3.25
	8.39	12.11	3.24
Valencia	8.28	12.30	4.32
	8.29	12.30	4.32

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer remained very low in the north and north east of these islands, only touching 28° at North Shields, and 32° at Aberdeen and Stromaway. Generally the temperature rose to a few degrees above 32° severe or sharp frost occurred at night in most parts of Great Britain. At the Kew Observatory the thermometer exposed on the grass fell to 14°. Snow has fallen over a considerable area in the north and northeast; at Aberdeen the measurement is 0.56 in. and at Wick 0.3 in. Wireless reports show that a cyclonic wind circulation, strong to a gale, prevailed on the Atlantic between the 17th and 32nd meridians.

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.

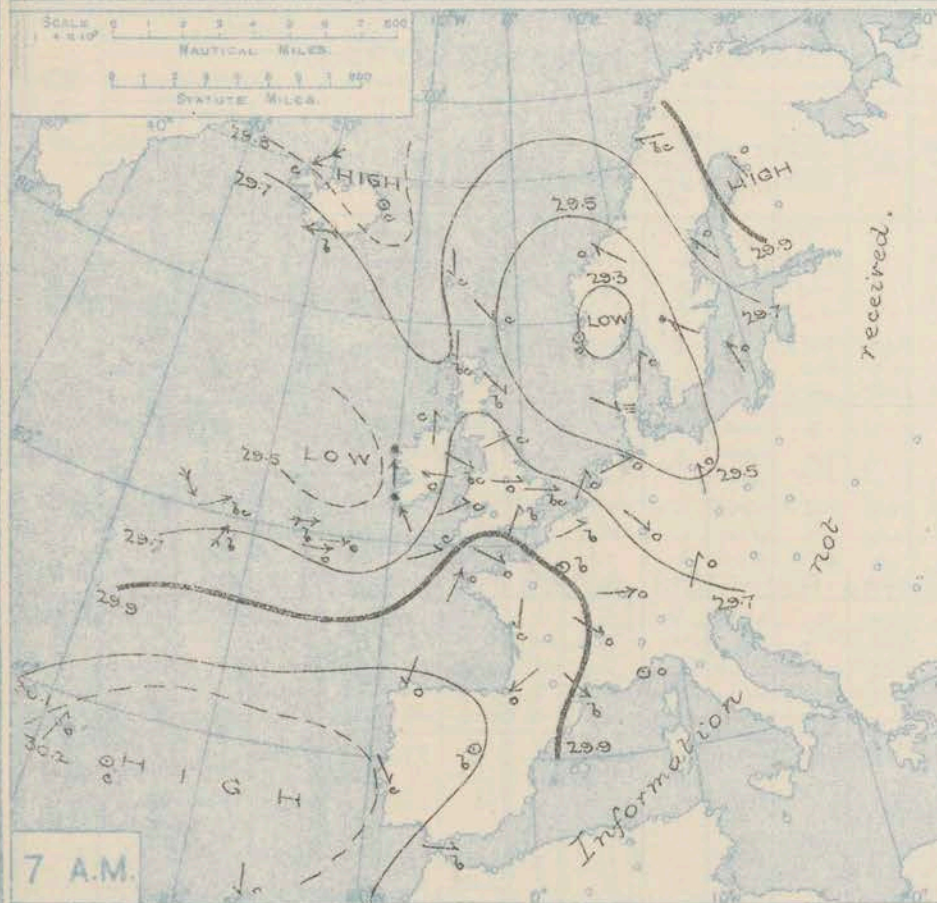
1912.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

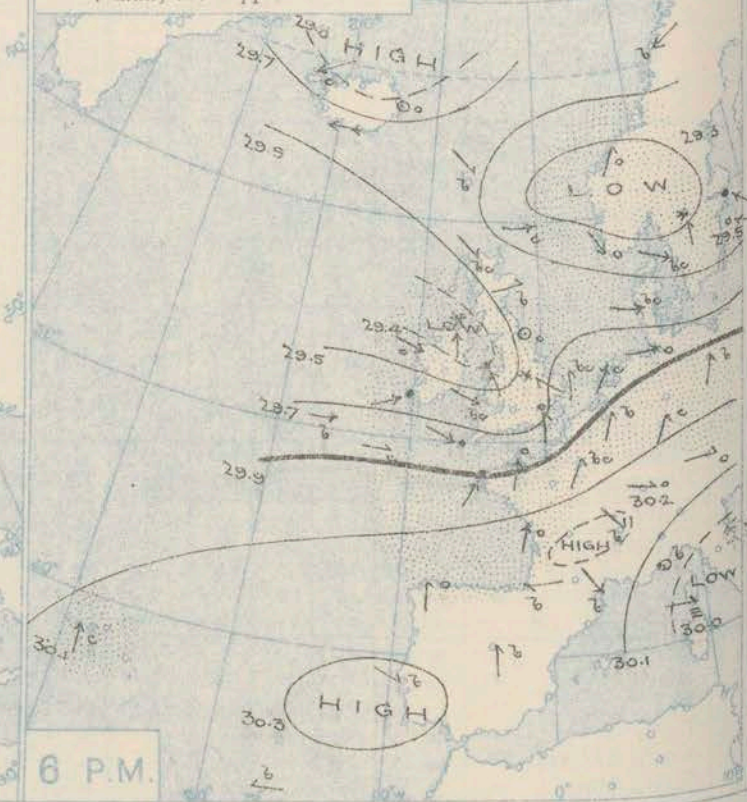
Monday,
2nd December 1912.

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	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.	Aftern'n. 1 p.m. to 6 p.m.		Night. 6 p.m. to 7 a.m.
BRITISH ISLANDS.																								
Lerwick	29.36	37	W	4	c	29.54	+0.5	37	+4	W	4	bc.	3	0.10	37	32	bcps	c	bcps	0.8				
Stornoway	29.57	21	NW	1	bc	29.73	+0.9	33	+10	N	3	bc	3	0.08	38	31	o	adp	dt.s.bc	0.0				
Castlebay (Bacca Isd.)	29.45	37	ESE	4	odp	29.70	+1.2	37	+6	N	3	bc	3	0.08	38	31	o	adp	dt.s.bc	0.0				
Malin Head	29.37	34	S	5	odp	29.46	-0.4	45	+9	W	7	cgg	6	0.23	46	31	os	dps	qqr	0.0				
Blacksod Point	29.44	47	WNW	5	o	29.78	+1.1	47	+10	WNW	5	c	4	0.24	49	36	omg	omg	omg	0.0				
Valencia	29.66	47	WSW	6	ogp	29.98	+0.8	48	+4	W	6	o	5	0.30	51	42	bcps	bcps	bcps	2.0				
IRISH ISLANDS.																								
Roche's Point	29.66	44	WNW	4	b	29.95	0	41	-2	NW	2	b	2	0.28	49	41	rcp	c bc b	cpm ob	0.3				
Birr Castle	29.49	42	SW	2	c	29.81	0	40	+9	WSW	2	bc	1	0.17	44	30	os. or	ot. c.	cp. bc.	0.0				
Donaghadee	29.43	38	SE	4	r	29.65	+0.7	38	+10	SSW	2	bc	1	0.34	42	28	ot	ot	ot. bc.	0.0				
Liverpool Obsy.	29.48	34	ESE	4	o	29.68	+1.0	44	+12	WSW	6	bc	4	0.18	45	32	bes	ost	ot. bc.	0.0				
Holyhead	29.40	44	SSE	6	r	29.72	+0.5	44	+7	WSW	6	b	5	0.21	46	36	omd.	omp.	bc.	0.0				
Pembroke (St. Ann's Hd.)	29.58	48	WNW	7	bc	29.85	+0.9	46	+5	WNW	6	cgg	6	0.28	50	41	ev	oggr	bcg	0.0				
Newquay	29.69	48	W	6	bc	29.94	+1.0	48	+12	W	7	bc	5	0.18	50	36	opg	opg	cpq	0.0				
Scilly (St. Mary's)	29.72	49	WNW	6	cggpm	29.99	+0.6	49	+4	WNW	6	cgg	6	0.15	52	43	emgr	emg	emg	0.0				
Jersey (St. Aubin)	29.85	48	SSW	5	ogm	29.95	0	48	+9	W	4	bc	4	0.18	48	35	c. ogm	ogpm	ogp. bc.	0.2				
Portland Bill	29.63	50	WSW	7	r	29.84	+0.6	47	+6	WNW	6	bc	5	0.42	51	33	c	ot	ot. bc.	0.0				
Dungeness	29.74	45	S	6	rg	29.71	+0.3	43	+14	WSW	5	c	5	0.18	48	27	c	c. or.	qr. c.	0.0				
Dover	29.76	43	SW	6	r	29.75	0	40	+12	SW	4	bc	5	0.19	46	27	bx	bc. or	ot. o. c.	1.7				
SCOTLAND.																								
Wick	29.55	21	W	2	bc	29.64	+0.7	25	+3	WNW	3	bc	2	0.27	27	20	c. bz	bc	bc	0.0				
Nairn	29.58	14	0	0	b	29.68	0	11	-13	0	0	b	1	0.26	26	8	b	b	b.	4.6				
Aberdeen	29.59	17	WSW	1	b	29.70	+0.6	13	-11	WNW	2	b	2	0.27	27	9	b	b	by	4.7				
Leith	29.58	28	0	0	o	29.70	+0.7	31	+6	0	0	bcg	0	0.33	25	25	bc. c.	c. og.	ot. s.	0.0				
North Shields	29.61	32	0	0	o	29.65	+0.6	34	+11	0	0	r	2	0.06	34	21	c	c. o.	ot. s.	0.0				
Spurn Head	29.64	33	SW	4	s	29.61	+0.3	36	+6	WNW	5	o	5	0.42	37	24	omv	os	ost	0.0				
ENGLAND.																								
Yarmouth	29.79	33	S	2	o	29.72	+0.7	40	+10	W	3	o	2	0.25	42	31	bc. o	o	ot. o.	0.6				
Clacton-on-Sea	29.79	40	SSW	3	o	29.67	+0.6	38	+11	WSW	4	bc	3	0.10	40	27	bc. ogm	ogm	ot. bc.	0.0				
Nottingham	29.61	33	SE	3	s	29.68	0	40	+12	W	2	r	0	0.38	40	27	om.	oms	s. od.	0.0				
Bath	29.61	46	SW	6	o	29.83	0	42	+15	WNW	3	b	0	0.26	47	29	0	0	0.0	0.0				
Oxford	29.58	43	WSW	5	b	29.81	0	38	+11	WSW	3	b	0	0.20	44	27	bc. o.	ost	ot. bc.	0.0				
London (Kew Obsy.)	29.68	39	S	3	cr	29.76	+0.6	38	+11	SW	3	b	0	0.17	44	27	bc. o.	omv. or	ot. bc.	0.0				
IRELAND & FAEROE.																								
Isafjord	29.76	25	NE	7	c	29.84	+0.6	23	-1	NE	5	b	0	0.12	37	30	0	0	0.0	0.0				
Reykjavik	29.60	24	NE	5	c	29.68	+0.0	28	+6	E	5	o	0	0.12	37	30	0	0	0.0	0.0				
Vestmanna	29.61	28	E	9	o	29.73	+0.3	32	+4	E	9	bc	3	0.12	37	30	0	0	0.0	0.0				
Seydisfjord	29.79	21	0	0	o	29.90	+0.2	17	0	NW	1	b	0	0.12	37	30	0	0	0.0	0.0				
Thorshavn	29.54	31	NNW	3	b	29.73	+0.7	30	+2	N	3	c	0	0.12	37	30	0	0	0.0	0.0				
SCANDINAVIA.																								
Haparanda	29.34	34	SE	4	r	29.51	-0.6	32	-5	SW	4	b	0	0.12	37	30	0	0	0.0	0.0				
Hernösand	29.48	37	ESE	4	o	29.70	+0.6	36	-2	S	4	o	0	0.20	41	34	0	0	0.0	0.0				
Stockholm	29.48	37	ESE	4	o	29.70	+0.6	36	-2	S	4	o	0	0.20	41	34	0	0	0.0	0.0				
Wisby	29.48	37	ESE	4	o	29.70	+0.6	36	-2	S	4	o	0	0.20	41	34	0	0	0.0	0.0				
Karlstad	29.27	34	S	2	s	29.44	+0.2	33	-2	SW	2	b	0	0.32	36	28	0	0	0.0	0.0				
Færder (X'ania Fjord)	29.25	35	NNW	4	r	29.43	+0.2	36	0	WSW	5	b	3	0.08	39	30	0	0	0.0	0.0				
Bodö	29.63	32	ENE	4	b	29.49	-0.3	35	+5	E	5	o	2	0.12	36	32	0	0	0.0	0.0				
Christiansund	29.26	36	SW	1	o	29.21	0.0	35	0	WSW	3	s	3	0.12	36	32	0	0	0.0	0.0				
Skudesnaes	29.40	35	NNW	4	o	29.36	0.0	39	+6	NW	8	c	4	0.12	39	28	0	0	0.0	0.0				
The Scaw (Skagen)	29.40	37	NNW	6	bc	29.53	+0.1	35	-5	WSW	6	s	1	0.08	40	35	0	0	0.0	0.0				
Blaavands Huk	29.56	39	W	7	bc	29.53	-0.6	36	-3	SSE	4	r	2	0.20	41	32	0	0	0.0	0.0				
GERMANY, &c.																								
Cuxhaven	29.75	35	W	5	o	29.54	-1.1	35	-1	S	6	o	0	0.16	39	34	0	0	0.0	0.0				
The Helder	29.80	40	SW	5	c	29.54	+0.4	44	+4	WSW	7	o	0	0.20	45	34	0	0	0.0	0.0				
Brussels	29.92	35	SW	3	b	29.76	-0.1	39	+7	SW	4	bc	0	0.28	40	31	0	0	0.0	0.0				
Berlin	29.91	34	SW	3	b	29.91	-0.4	31	-3	S	3	c	0	0.04	43	32	0	0	0.0	0.0				
Frankfurt	30.08	33	SW	2	c	29.96	-0.4	33	-4	SW	6	s	0	0.04	43	32	0	0	0.0	0.0				
Munich	30.14	34	W	3	o	30.14	-0.4	30	-8	S	2	b	0	0.04	39	28	0	0	0.0	0.0				
FRANCE.																								
C. Gris Nez	29.81	42	SSW	7	r	29.75	+0.3	46	+11	W	7	o	6	0.12	46	35	0	0	0.0	0.0				
La Hève	29.89	39	SW	5	r	29.89	0	45	+7	W	5	o	6	0.04	45	38	0	0	0.0	0.0				
Brest (St. Mathieu)	29.86	49	SW	7	r	30.09	+0.6	49	+3	WNW	5	b	4	0.08	52	46	0	0	0.0	0.0				
Lorient (Boc Melen)	29.89	48	SW	6	o	30.07	0	51	+6	NW	5	o	5	0.12	54	39	0	0	0.0	0.0				
Rochefort (Ile d' Aix)	30.14	44	SSW	4	o	30.13	0	51	+13	WNW	4	o	0	0.08	51	36	0	0	0.0	0.0				
Biarritz	30.18	44	E	2	b	30.23	0	48	0	SSW	4	o	0	0.04	54	43	0	0	0.0	0.0				
SPAIN, PORTUGAL, &c.																								
Corunna (8 a.m.)	30.27	50	S	3	o	30.34	+0.8	50	+9	WSW	3	o	6	0.16	54	48	0	0	0.0	0.0				
Lisbon (9 a.m.)	30.32	50	WNW	3	b	30.41	+0.6	48	-3	NW	2	b	5	0.16	55	45	0	0	0.0	0.0				
Gibraltar	30.26	51	W	3	b	30.33	0	44	-3	W	3	bw	1	0.16	56	44	0	0	0.0	0.0				
Azores (P. Delgada)	30.44	66	SSW	4	c	30.03	-0.3	64	-1	SSW	5	o	3	0.32	68	64	0	0	0.0	0.0				
Azores (Horta)	30.44	66	SSW	4	c	30.03	-0.3	64	-1	SSW	5	o	3	0.32	68	64	0	0	0.0	0.0				
Madeira (Funchal)	30.27	63	E	2	b	30.30	+0.1	62	0	E	2	bc	3	0.16	70	52	0	0	0.0	0.0				

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 1ST DECEMBER.



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



GENERAL INFERENCE

The distribution of pressure is very complex, and further disturbances are indicated out on the Atlantic. A changeable

WEATHER PROSPECTS.

type of weather is therefore expected to prevail during the ensuing twenty-four hours.

FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

0 {
a Variable breezes, mainly North-
b Westerly and Northerly, light to moderate; generally fair or fine, some snow; cold.

1 {

2 {
a North-Westerly and Westerly
b breezes, occasionally fresh; backing

3 {
a later; changeable, some rain or
b sleet; 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 Cone.	South Cone.
North Cone.	North Cone.

South Cone hoisted at 8.27 a.m. yesterday in Districts 6 to 10.

6 {
a Same as Nos. 0 and 1.
b

7 {
a Westerly to South-Westerly
b winds, strong to moderate;

8 {
a squally, changeable, some rain
b or sleet; moderate temperature.

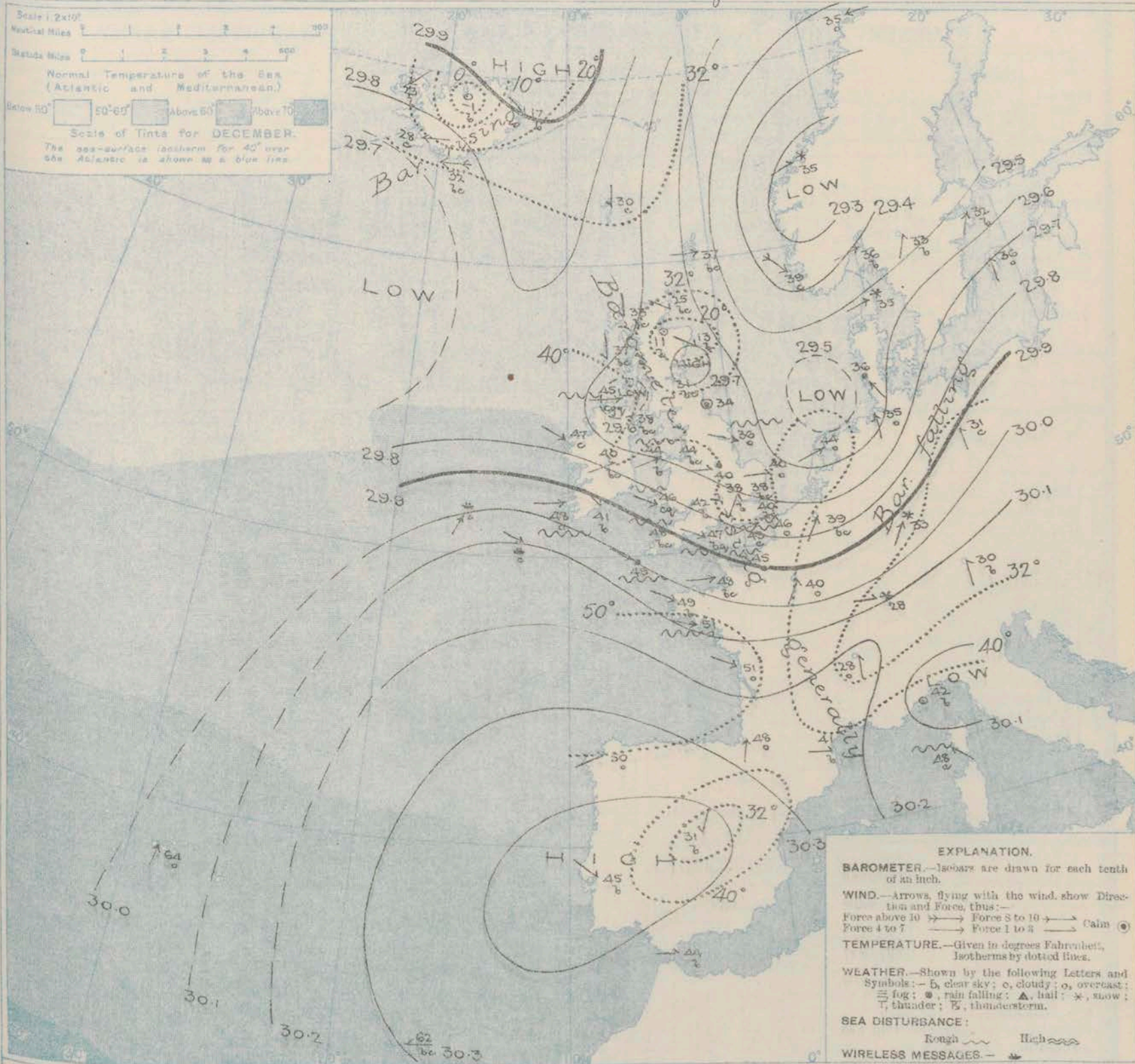
9 {
a North-Westerly winds, strong,
b moderating and backing South-

10 {
a Westerly and freshening again;
b squally, changeable, some rain; moderate temperature.

11 WESTERN CHANNEL AND BAY. Strong North-Westerly winds, moderating and backing; rough to moderate sea, squally, changeable, some rain or sleet; moderate temperature.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Monday, 2nd DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is now highest to the southward, 30.5 in. at Madrid. It is below 29.3 in. over Southern Norway, 29.2 in. on the lower part of the North Sea and over Donegal, and other depressions are indicated to the southwestward of Iceland, and to the north-westward of the Azores. The gradient varies considerably.

With so many pressure systems the winds vary greatly, but over the British Isles and the Bay they are mainly N.E. by E to E.S.E. The force varies from calms and light breezes to

strong or high winds, a gale at Skudesnaes, a strong gale in the south of Iceland. At the home stations temperature ranges from 11° at Thairn, and 13° at Aberdeen to 49° at Scilly; on the Continent from 28° at Belfort and Lyons to 51° at Lorient and Rochefort; in Scandinavia from 32° at Stockholm to 39° at Skudesnaes, and in Iceland from -1° to 32°. At home and abroad the weather varies from fine and cloudless to overcast, dull and gloomy, rain or snow falling at a few stations. The sea is rough or rather rough on several sections of our western and southern coasts.

DAILY WEATHER REPORT.

Monday 2nd December, 1912.

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.	
2nd, Jan.	51	15	Baronia	O	30.00	+0.5	SW	4-5	O	1st, Jan.	50	23	Mauretania	H	29.65	+0.3	WSW	6-7	bc.
"	50	12	Finland	O	30.14	+0.3	WNW	6-7	c.	"	50	16	Montreal	O	29.57	+0.7	W	8-9	b.
1st, bpm	50	16	Mauretania	H	29.73	0.0	W	4-5	b.	"	49	15	Minneapolis	H	29.69	-0.4	W	4-5	o.
"	49	11	Minneapolis	H	29.89	+0.5	W	1-3	c.	"	49	13	Marquette	O	29.54	-1.5	W	6-7	r.
" Jan.	50	25	Bedwin	O	29.57	+0.8	WNW	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.	Ramsgate ...	In.					Hr.
Oban ...							Margate ...		40	27			
Stonehaven ...							Deal ...	0.02	40	28	bc. bc.	c. or	
St. Andrews ...							Littlestone ...						
Carnoustie ...							Folkestone ...	0.04	44	25	b. bc.	bc. r.	
England, N.E.							Hastings ...	0.05	45	26	b. bc. o.	or.	
Harrogate ...	0.07	31	21	c. o.	o. s.	0.0	Bexhill-on-Sea ...	0.05	46	26	bc. b. bc.	or.	
Scarborough ...		33	25	o. csf.	o. cf.	0.0	Eastbourne ...	0.02	?	?	bc. o.	og. or.	
Blackpool ...	0.20	33	23	o.	o. s.	0.0	Seaford ...	0.07	46	27	bc. o.	or.	
Southport ...	0.17	34	22	f. c.	f. s.	0.0	Brighton ...	0.11	45	33	c. o.	o. or.	
Buxton to 9 p.m.		32	22	bc.	cs. c.	0.0	Worthing ...	0.10	45	25			
Douglas ...							Littlehampton ...						
Wales.							Southsea ...	0.12	44	27	o.	o. or.	
Rhyl ...	0.21	37	33			0.0	Bournemouth ...	0.10	44	28	c. o.	or.	
Colwyn Bay ...	0.08	38	33	b. ps.	ct. s.	0.0	Weymouth ...	0.10	49	29	b. c.	or.	
Llandudno ...	0.01	40	34	os.	o.	0.0	Teignmouth ...	0.12	49	31	c. or.	or.	
Bettws y Coed ...							Torquay ...	0.13	49	29	c. o.	f. o.	
Aberystwyth ...	0.14	48	31	b. bc.	o. r.	0.2	Paignton ...	0.25	50	29	bc. f. c.	or. o.	
England, E.							Weston-super-Mare ...	0.15	44	30	c.	or.	
Walton-on-the-Naze ...		39	30			0.0	Ilfracombe ...	0.17	50	36	c. or.	f. c. bc.	
Lowestoft ...													
Felixstowe ...	0.01	39	26	cm.	m. or.	0.2							
Southend-on-Sea ...	0.02	39	26	o.	q. or.	0.0							

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rainfall.	WEATHER.			Sunshine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.	Max.	Min.	Min. on Grass.		Forenoon.	Afternoon.	Night.	
Greenwich (Royal Obs.) ...	75	86	45	31	27	0.18	bc. o.	o.	ot. bc.	0.1
City (Rush Hill Row) ...							bc. m.	mi.	f. b.	0.0
Westminster (St. James's Pk.) ...	80	90	47	30	28	0.19	bc. m.	mi.	f. b.	0.0
Camden Sq. (Brit. Rainfall) ...		92	45	29	27	0.20	bc. c.	c.	ot. bc.	0.0
Hampstead (Reservoir) ...		90	44	36	31	0.18	bc. bc.	bc.	ot. c. b.	0.0
24 HOURS ENDED 9 A.M. TO-DAY.										
24 HOURS ENDED 6 P.M. YESTERDAY.										
South Kensington ...			40	27	18	0.09	b. bc.	c. o.	o. or.	0.0
" (Roof of M.O.) ...		85	40	29			cm.	c. o.	o. or.	0.0

Additional Observations for Yesterday.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.	
		Max.	Min.	Night.	Forenoon.
Dublin to 4 p.m.	0.03	44	29	26	bc. o.
Plymouth to 9 p.m.					ot. bc.
Darwen					c. b.
Manchester					
Birmingham	0.14	39	26	16	o. s.

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

2nd & 3rd Dec., 1912.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.43	11.42	3.42
	7.45	11.43	3.41
Greenwich ...	7.46	11.49	3.53
	7.48	11.50	3.52
Wick ...	8.39	12.1	3.24
	8.41	12.2	3.23
Valencia ...	8.29	12.30	4.32
	8.31	12.31	4.31

NOTES ON YESTERDAY'S WEATHER.

In the course of the past 24 hours temperature rose to 50° or 52° on our S.W. coasts, but in the north of Scotland the minima were as low as 26° or 27°, followed by a very severe night frost, with a shade minimum of 9° at Aberdeen and 8° at Inverness. Excepting in the N. of Scotland rain or snow has fallen everywhere. As far west as the 26th meridian ships have experienced N.W. to S.W. winds, light to a gale in force, with fair to dull weather and some rain. A Southerly to Westerly gale was felt on the Channel in the early part of the night.

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.

1912.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Tuesday,
2nd December, 1912.

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 Yester- day.	Dir.	Force (0 to 12).	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.
																					Hours.

GALES.

Duration and Extreme Force
on British Coast.

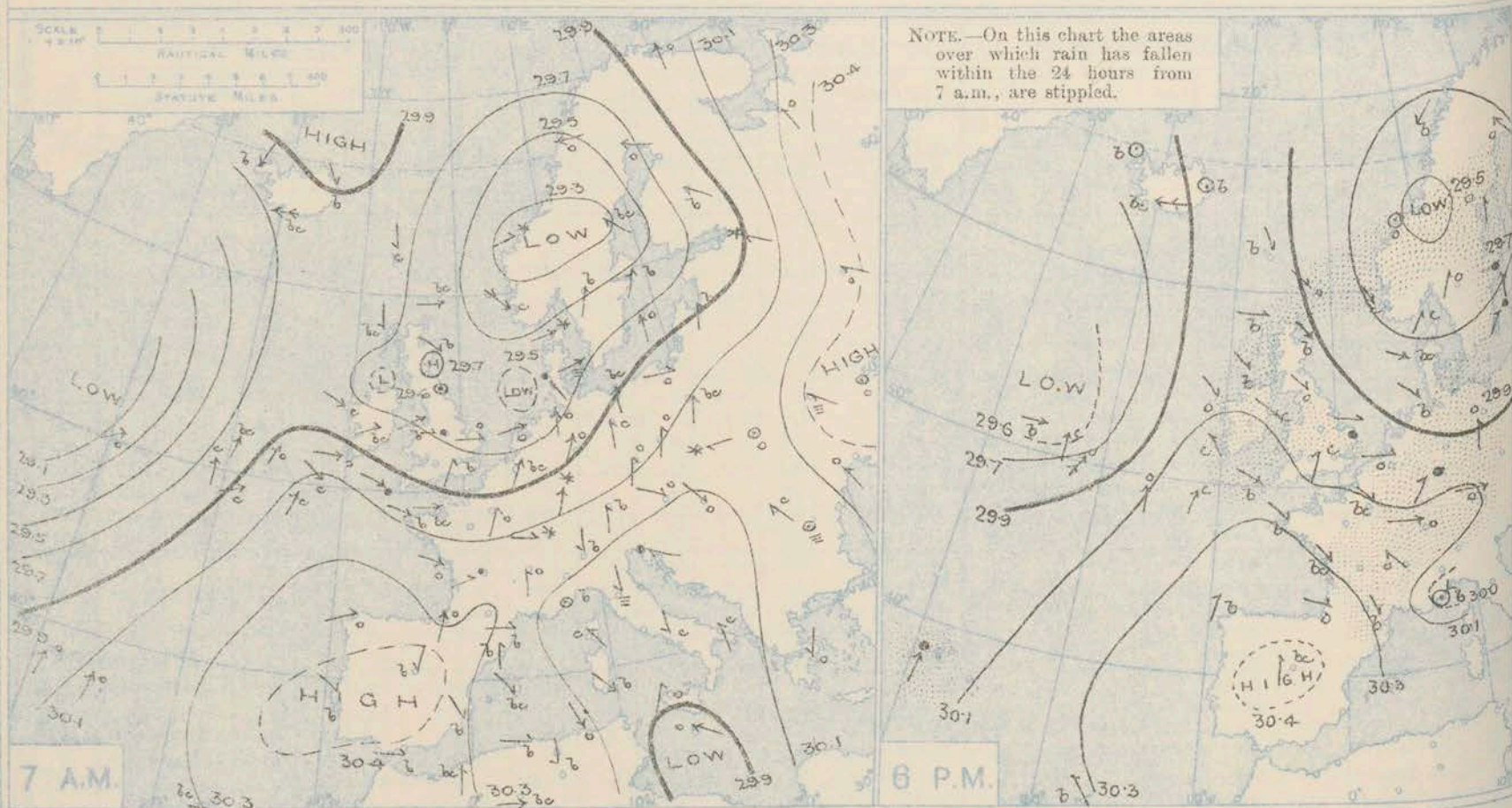
Holyhead. 1 p.m.

WNW 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. 2ND DECEMBER.



GENERAL INFERENCE

WEATHER PROSPECTS.

Under the influence of an extensive cyclonic system on the upper Atlantic a less settled

type of weather will spread to all parts of the British Isles in the course of the ensuing 24 hours.

FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

0 { a South-Westerly and Southerly winds, increasing, strong to a gale in places; squally, unsettled, some rain; mild.

1 { Wind backing South-Westerly and freshening; gusty, fair to
2 { a
b dull and misty, then less
3 { settled, some rain, becoming
4 { a milder.
b

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.

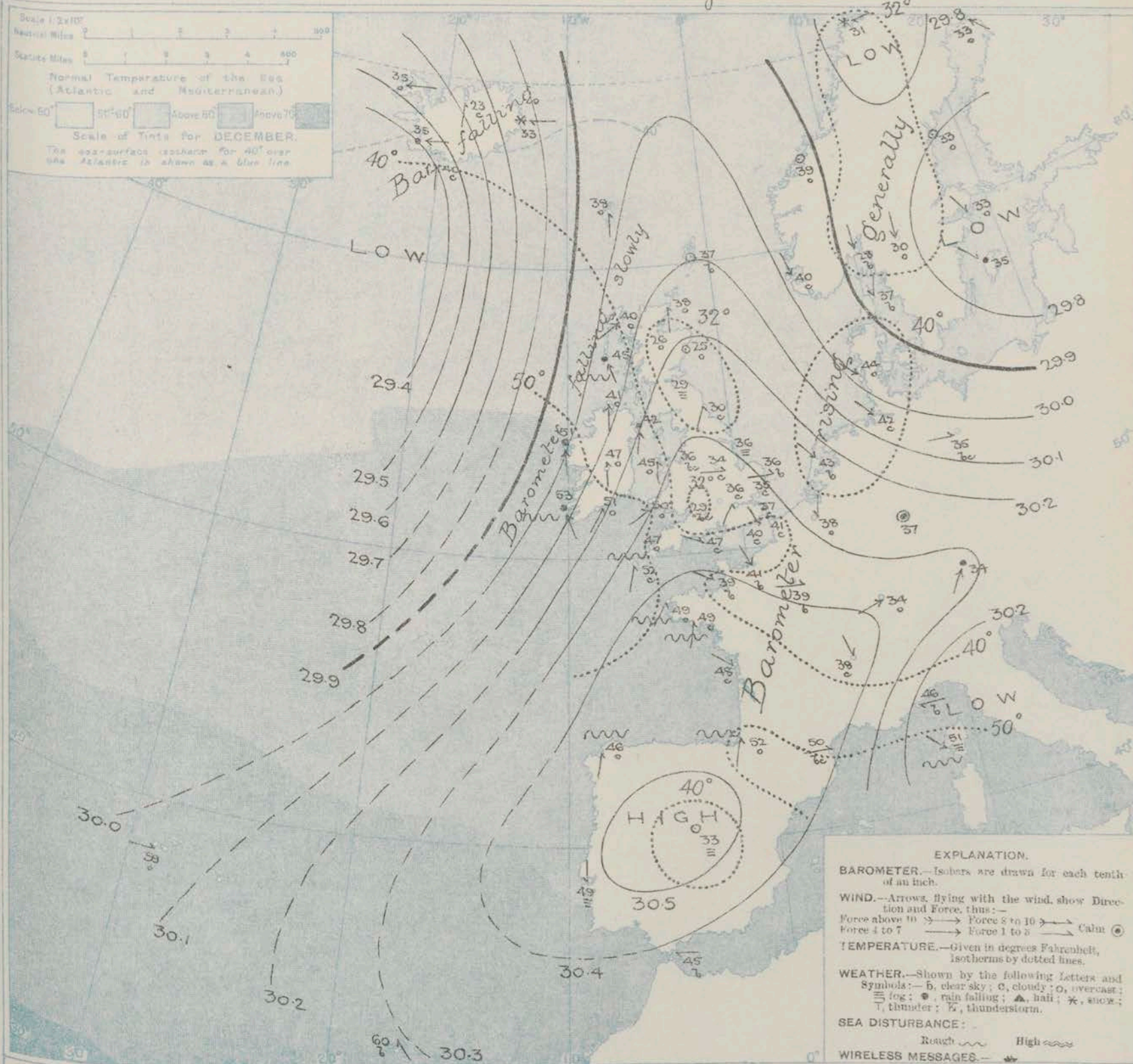
South Cone hoisted at 8.15 this morning in Districts 9 and 6 to 10.

6 { a Increasing Southerly to
b
7 { a South-Westerly winds, strong
b to a gale in places; squally,
8 { a unsettled, some rain;
b
9 { a mild.
b

10 { a
b
11 { a Increasing Southerly and South-
b Westerly winds, strong to a gale, moderating later; sea slight to rough; squally, changeable, some rain, mist or fog; mild.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Tuesday, 3rd DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

In an anticyclone occupying Western Europe the barometer is above $30\frac{1}{2}$ in. over Central Spain. Pressure is at $29\frac{3}{4}$ in. over Sweden and Norway, and in a large cyclonic system on the upper part of the Atlantic the barometer has fallen below 29.4 in. in the south of Iceland. There is a considerable gradient over the Atlantic and on our western coasts, elsewhere it is slight.

S.W. and S.W. winds prevail over our western and northern districts and the Bay, S. to E. in Iceland, and N.W. in other regions. As a rule the force is light, but a fresh or strong wind is

blowing on our western coasts, a strong to high wind in Western Iceland. The temperature changes are very irregular. At the home stations the values range from 25° at Aberdeen to 53° at Valencia; on the Continent from 34° at Munich to 52° at Biarritz; in Scandinavia from 28° at Faerder to 40° at Skudesnaes; and in Iceland from 23° to 40°. The weather is in a very variable state, clear to cloudless in places, overcast to dull and gloomy in others, with rain at various home and foreign stations, snow in the east of Iceland and the north of Norway. The sea is rather rough locally on the western coasts, but generally it is moderate to very smooth.

DAILY WEATHER REPORT.

Tuesday, 3rd December, 1912.

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.	
2nd, 6 p.m.	51	24	<i>Le Lac Manitoba</i>	H	29.54	+0.09	W	4-5	b.	2nd, 7 a.m.	50	29	<i>Royal Edward</i>	H	29.12	+0.06	WSW	4-5	o
"	51	22	<i>Tautonic</i>	O	29.54	+0.07	S	6-7	c.	"	50	20	<i>Montreal</i>	O	29.79	-0.13	S	6-7	c.
"	50	20	<i>Caronia</i>	O	29.75	+0.03	SW	8-9	o	"	51	19	<i>Tautonic</i>	O	29.83	-0.07	SSW	4-5	bc
"	49	15	<i>Finland</i>	O	30.09	-0.07	S	6-7	o	"	49	18	<i>Marquette</i>	O	29.88	+0.07	WSW	6-7	c.
"	49	10	<i>Menominee</i>	H	30.23	+0.01	SSW	4-5	c.	"	49	13	<i>Menominee</i>	H	30.17	+0.02	SW	4-5	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.	Ramsgate ...	In.					Hr.
Stonehaven ...	0.03	36	25	s.o. bc. b.	b.	3.5	Margate ...	0.15	45	34	"	"	1.8
St. Andrews ...	"	35	24	"	"	4.4	Deal ...	0.60	45	30	f. b.	o	0.3
Carnoustie ...	"	"	"	"	"	"	Littlestone ...	0.24	46	40	rq. c.	bc. o. c.	3.8
England, N.E.							Folkestone ...	0.14	46	30	f. b. bc.	bc. b.	3.6
Harrogate ...	0.33	36	30	o	or. o.	0.0	Hastings ...	0.17	47	38	or. b.	bc. b.	5.7
Scarborough ...	"	39	26	o. c. f.	o. c.	0.0	Bexhill-on-Sea ...	0.13	47	39	b.	bmw	5.3
England, N.W.							Eastbourne ...	0.16	55	41	b. bc.	b. bc.	5.1
Blackpool ...	0.53	46	33	or. c.	o. c.	0.1	Seaford ...	0.14	48	42	b.	b.	4.8
Southport ...	0.18	45	33	dp. f. bc.	bc. oe.	0.0	Brighton ...	0.48	47	34	b.	bm	5.9
Buxton ...	1.13	39	30	bc. f.	ct.	0.1	Worthing ...	0.17	47	38	b.	b.	5.6
Douglas ...	"	"	"	"	"	"	Littlehampton ...	"	"	"	"	"	5.6
Wales.							Southsea ...	0.11	48	41	b.	bc.	4.9
Rhyl ...	0.14	47	32	p. bc.	dp	2.0	Bournemouth ...	0.17	49	33	bc.	b.	5.2
Colwyn Bay ...	0.08	47	38	p. bc.	dp	0.4	Weymouth ...	0.23	49	42	b.	b. bc.	5.1
Llandudno ...	0.06	46	34	c. bp	b.	1.1	Teignmouth ...	0.17	50	40	b.	b.	4.5
Bettws y-Coed ...	"	"	"	"	"	"	Torquay ...	0.20	49	41	b.	bc. b.	3.8
Aberystwyth ...	"	47	36	o. c. o.	c. o.	1.5	Paignton ...	0.07	51	34	bc.	bc.	4.0
England, E.							Weston-super-Mare ...	0.05	48	33	b.	bc.	2.3
Walton-on-the-Naze ...	0.20	44	39	o. c.	o	0.5	Elphacombe ...	0.10	49	43	c. bc.	"	"
Lowestoft ...	0.20	42	38	o. c.	o	0.1							
Felixstowe ...	0.16	42	30	m. dp	gm. o.	0.0							
Southend-on-Sea ...	"	46	29	o. bc. b.	o. bc. o.	0.9							

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.	
Greenwich (Royal Obs.) ...	75	99	46	33	28	-	f. b.	b. o.	dp. b.	4.8				
City (Bunhill Row) ...	"	"	"	"	"	"	o. o.	"	"	o. o.	"	"	"	"
Westminster (St. James's Pk.) ...	77	95	48	34	28	-	b.	b.	bc. f.	2.4				
Camden Sq. (Brit. Rainfall) ...	81	96	50	33	26	-	bc. b.	b.	b. f.	4.1				
Hampstead (Reservoir) ...	"	95	45	34	26	-	bc. f.	bc.	bc. o. d.	5.1				
24 HOURS ENDED 9 A.M. TO-DAY.														
South Kensington ...	"	"	46	39	32	0.10	or. c.	b. by	bc. b.	3.9				
" (Roof of M.O.) ...	77	89	47	40	"	"	bc. by	b. by	bc. b.	3.9				
24 HOURS ENDED 6 P.M. YESTERDAY.														
Night.														

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

3rd & 4th Dec., 1912.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 7.45 7.46	G.M.T. 11.43 11.43	G.M.T. 3.41 3.40
Greenwich ...	7.48 7.49	11.50 11.50	3.52 3.52
Wick ...	8.41 8.43	12.2 12.2	3.23 3.22
Valencia ...	8.31 8.32	12.31 12.31	4.31 4.30

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature exceeded 50° at several southern stations, and touched 55° at Jersey, but in the north Thain had a maximum of 27°. Frost occurred in many localities in the night, a shade temperature of 12° at Aberdeen, and 10° at Thain. Rain fell at many stations, but no large amounts are reported. The duration of bright sunshine ranged from none at a few stations to more than 5 hours on the south coast of England. There was an aurora at Stornoway last night. As far west as the 30th meridian ships experienced S. to W. winds, moderate to a gale in force, with fine 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.

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1912.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

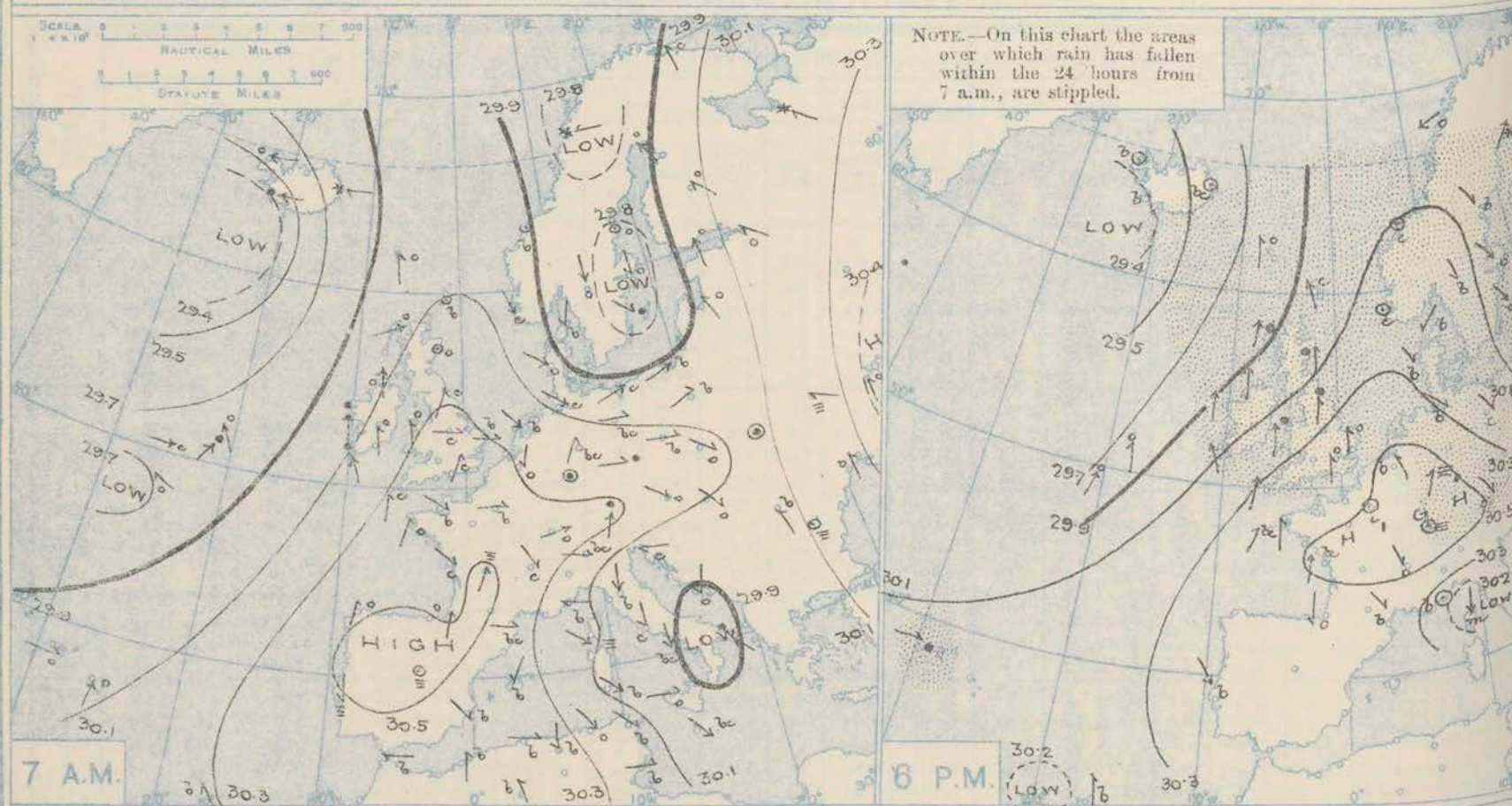
Wednesday
14th December 1912.

STATIONS		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Vester- 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.								
														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.		Dry Bulb.	Dir.			In.	In.						In.						Hours					
Lerwick		29.98	43	SSE	5	c	29.70	-0.4	45	+8	SSE	4	f	3	0.21	45	36	c	c	omd	*			
Stornoway		29.89	47	SSW	5	r	29.72	-0.2	50	+10	SSW	5	r	4	0.12	50	39	odg	odg	odp	0.0			
Castlebay (Batra Isd.)		29.87	49	SSW	4	r	29.76	-0.2	51	+7	SSW	5	d	5	0.31	52	44	d.r.d	d.r.d	r.d.d	0.0			
Malin Head		29.94	51	S	5	ome	29.85	-0.3	51	+10	SSW	5	ogp	4	0.04	53	44	cmg	cmg	ogp	*			
Blacksod Point		29.93	54	S	7	m	29.79	-0.5	53	+2	S	7	r	6	0.53	55	51	omd	omg	omg	*			
Valencia		30.10	54	SSE	4	og	29.92	-0.5	54	+1	SSE	6	c	5	0.06	56	52	om	om	omf	0.0			
Roche's Point		30.20	52	SW	3	oe	30.05	*	51	0	SW	5	o	5	0.14	52	50	md	md	o	*			
Birr Castle		30.09	56	S	3	o	29.95	*	53	+6	SSE	4	o	*	0.02	57	46	o.c.	o	op.o	0.0			
Donaghadee		30.09	51	S	3	o	30.00	-0.3	50	+8	S	3	c	3	0.10	52	42	omd	og	eg.be.c	*			
Liverpool Obsy.		30.22	46	S	3	o	30.16	-0.2	51	+15	SSW	3	bc	2	0.01	54	36	od	o	bc	0.0			
Holyhead		30.19	51	S	4	r	30.10	-0.2	51	+6	S	5	o	4	0.36	51	44	om	om	omp	*			
Pembroke (St. Ann's Hd.)		30.26	51	SSW	5	f	30.17	-0.3	51	+1	SSW	5	f	5	0.05	51	48	og	ogm	f	0.0			
Newquay		30.32	51	S	2	om	30.24	-0.2	50	+3	S	2	b	3	0.06	54	47	o	od.o	cp.b	0.0			
Scilly (St. Mary's)		30.32	53	SSW	4	fd	30.21	-0.4	52	0	S	5	om	6	0.02	54	51	om	om	fa	0.0			
Jersey (St. Aubin)		30.47	49	SW	3	cm	30.40	*	47	+8	S	3	bcme	3	trace	53	38	of.om	om.cm	om.me	0.2			
Portland Bill		30.40	51	SW	3	c	30.32	-0.2	51	+4	SSW	4	o	3	trace	52	37	c.o	c	c.dcm	*			
Dungeness		30.43	46	SW	3	c	30.34	-0.1	50	+10	SW	4	c	4	trace	50	37	c.og	c	cp.c	*			
Dover		30.45	43	SW	2	o	30.37	*	48	+11	SW	4	o	5	0.01	48	37	cm.be	bc	oc.be	1.0			
Wick		29.93	42	SSW	5	r	29.75	-0.2	48	+10	SSW	3	o	3	0.12	48	38	om.c	omd	omd	*			
Nairn		29.93	38	-	0	o	29.79	*	48	+22	-	0	o	1	0.07	50	25	z.c	go	p.o	0.0			
Aberdeen		30.04	38	S	3	r	29.87	-0.1	47	+22	SSW	5	o	3	0.08	49	25	og	od	on	0.0			
Leith		30.09	39	-	0	o	29.97	-0.1	53	+24	SW	4	c	*	0.05	54	29	ofa	ofg	od	*			
North Shields		30.13	35	S	2	r	30.07	-0.2	50	+20	-	0	o	2	0.20	50	28	op.o	oot	o	0.0			
Spurn Head		30.30	39	SSE	4	r	30.18	-0.1	48	+12	SSW	5	c	5	0.29	48	35	ms	mts	of.c	*			
Yarmouth		30.42	40	S	1	o	30.29	-0.1	43	+7	SW	1	o	1	0.04	47	34	bc.om	om	omp	0.0			
Clacton-on-Sea		30.41	42	SSW	3	o	30.32	-0.1	46	+11	SSW	3	o	3	0.12	46	34	c.om	ogm	ogt.oe	0.1			
Nottingham		30.30	43	SW	3	r	30.22	*	51	+17	SW	3	o	*	0.03	51	33	c.dpm	omd	d.o	0.0			
Bath		30.37	49	SW	3	o	30.30	*	53	+24	SSW	3	of	*	-	53	29	-	-	-	0.0			
Oxford		30.37	46	S	3	r	30.30	*	51	+17	SSW	2	o	*	0.07	51	34	b	o	r	*			
London (Kew Obsy.)		30.42	43	S	2	o	30.32	-0.1	49	+13	SSW	3	o	*	0.09	49	34	cm	cm.o	ot.o	0.2			
Isafjord		29.44	28	-	0	b	29.25	-0.3	38	+3	E	7	o	*	*	*	*	GALES.						
Reykjavik		29.32	36	SE	3	b	29.04	-0.4	36	+1	E	4	o	*	*	*	*	Duration & Extreme Force on British Coasts.						
Vestmanna		29.41	39	SSE	2	b	29.09	-0.6	41	+1	SE	4	r	3	*	*	*							
Seydisfjord		29.54	33	-	0	bc	29.36	-0.8	33	0	-	0	c	*	*	*	*							
Thorshavn		29.80	41	S	3	o	29.60	-0.5	38	0	-	0	o	*	*	*	*							
Haparanda		29.97	32	SW	4	s	29.99	+0.1	23	-10	NW	2	c	*	0.12	34	23							
Hernösand		30.08	40	NNW	2	b	30.13	-0.0	21	-12	N	2	b	*	-	34	19							
Stockholm		30.03	32	NW	4	o	30.20	+0.4	30	-3	W	2	o	*	-	34	30							
Wisby		30.02	37	NNW	4	o	30.23	+0.8	34	-1	NW	4	o	*	0.08	37	32							
Karlstad		30.17	24	NNW	2	b	30.25	-0.0	23	-7	-	0	o	*	-	30	19							
Färder (X'tania Fjord)		30.18	32	-	0	b	30.17	-0.3	38	+10	SSW	4	r	2	-	38	28							
Bodö		29.93	32	E	4	o	29.94	-0.1	36	+5	SW	2	o	1	-	36	30							
Christiansund		30.10	39	-	0	c	29.95	-0.4	38	-1	SE	1	o	3	0.16	39	37							
Skudesnaes		30.21	37	-	0	c	29.95	-0.8	41	+1	SSE	8	r	5	0.39	41	36							
The Scaw (Skagen)		30.21	39	NE	1	b	30.23	-0.2	39	+2	SSW	3	o	1	-	39	36							
Blaavands Huk		30.28	42	NNW	3	b	30.25	-0.5	43	-1	SW	3	r	2	0.04	45	41							
Cuxhaven		30.33	42	NW	3	o	30.36	-0.1	36	-6	W	2	o	*	-	45	34							
The Helder		30.43	42	SW	2	b	30.34	-0.0	43	0	S	5	r	3	0.04	45	37							
Brussels		30.51	34	SE	1	b	30.46	-0.1	39	+1	S	3	o	*	-	44	34							
Berlin		30.21	40	NW	3	c	30.44	+0.6	38	+3	NW	3	o	*	trace	41	36							
Frankfurt		30.54	32	SW	1	f	30.59	+0.2	29	-8	-	0	f	*	0.35	39	28							
Munich		30.50	33	NW	2	o	30.62	+0.1	29	-5	W	2	bc	*	0.04	36	28							
C. Gris Nez		30.48	44	SW	4	bc	30.38	-0.2	42	+1	SSE	5	o	4	0.04	46	41							
La Hève		30.43	46	WSW	1	o	30.50	*	41	0	SSE	2	bc	2	-	52	39							
Brest (St. Mathieu)		30.46	53	S	2	o	30.34	-0.4	47	-2	SSE	4	b	3	-	54	46							
Lorient (Bec Meien)		30.43	52	SSW	3	o	30.25	*	50	+1	S	3	o	2	-	55	46							
Rochefort (Ile d'Aix)		30.53	47	SSW	3	bc	30.43	*	38	-10	SE	3	bc	4	-	52	37							
Biarritz		30.46	52	N	1	o	30.34	*	38	-14	E	2	b	4	-	55	37							
Paris		30.50	38	-	0	b	30.50	-0.1	31	-8	S	1	f	*	-	46	30							
Belfort		30.51	34	-	0	f	30.58	*	30	-4	ENE	4	o	*	0.20	35	29							
Lyons		30.54	39	NNW	3	o	30.52	*	33	-5	N	1	c	*	-	44	32							
Nice		30.23	42	-	0	b	30.28	+0.3	42	-4	E	3	b	2	-	55	33							
Perpignan		30.43	50	NW	3	b	30.34	-0.3	42	-8	NE	1	b	1	-	55	42							
Sanguinaire		30.18	49	N	5	m	30.19	*	52	+1	N	4	b	3	-	54	43							
Corunna (8 a.m.)																								
Lisbon (9 a.m.)		30.36	51	NNW	4	b	30.27	+0.1	44	-5	NNW	3	f	5	-	57	44							
Gibraltar		30.32	51	E	1	bw	30.28	*	55	+10	E	2	o	1	-	65	45							
Azores (P. Delgada)		30.25	51	W	3	r	30.32	+0.3	52	-7	NNW	3	o	3	0.04	64	50							
Madeira (Funchal)		30.26	64	S	2	b	30.22	-0.0	63	+3	SW	2	c	2	-	68	52							

* 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. 3RD DECEMBER.



GENERAL INFERENCE

WEATHER PROSPECTS.

Between a Continental anticyclone and an Icelandic depression, the weather over

the British Isles will remain mild and unsettled for the present.

FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

0 {
a
b

Same as Nos. 6 to 10.

1

2 {
a
b

Freshening South-Westerly and Southerly breezes; gusty,

3

dull, damp, some rain; fair

4 {
a
b

intervals; very 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 at 8.15 yesterday morning in Districts 2 and 6 to 10.

6 {
a
b

7 {
a
b

South-Westerly and Southerly winds, fresh to strong or high at times in places; squally, dull, damp,

8 {
a
b

some rain, coast mist or fog,

9 {
a
b

fair intervals; very mild.

10 {
a
b

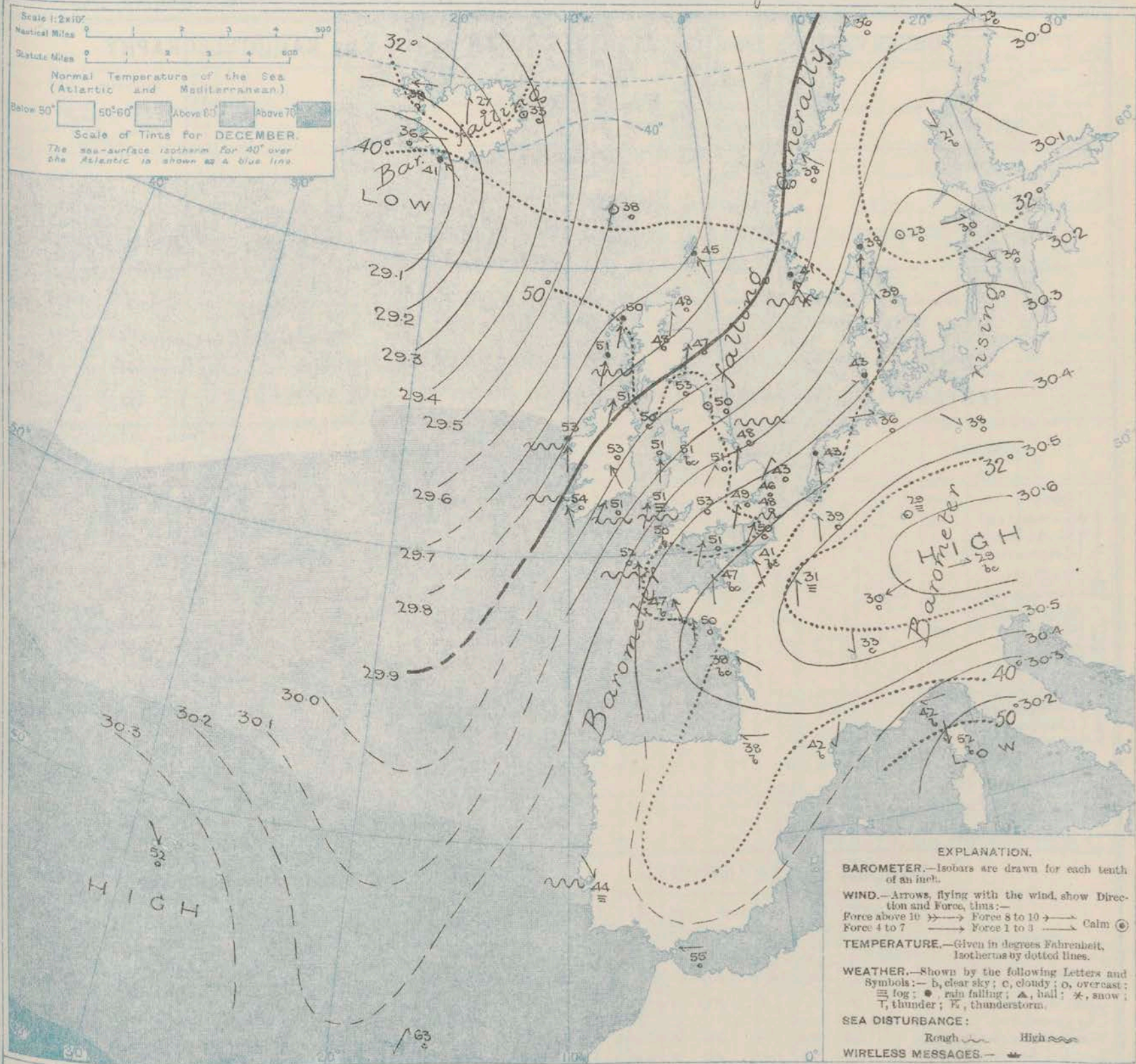
11 WESTERN CHANNEL AND BAY.

South-Westerly and Southerly winds, fresh to strong or high at times; sea moderate to rough; squally, dull, damp, some rain, mist or fog, fair intervals; mild.

THE FURTHER OUTLOOK. (All Districts.)

Continuing mild and unsettled.

SYNOPTIC CHART FOR 7 A.M. Wednesday, 4th DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The central space of the high pressure system has been transferred from Spain to Bavaria, where the barometer has risen above 30.6 in. Yesterday's low pressure system still lies off the southwest of Ireland, where the barometer is down to about 29 in. The gradient is considerable over our area generally.

S.E. to E. winds prevail over Ireland, but over the greater part of our area a S. or S.W. current is reported. In most localities the force is light, but on our own western coasts

and in the northwest of Ireland a fresh to high wind is blowing, a gale at Skudesnaes. Temperature has risen decidedly over the British Isles, so that in most places this morning readings are from 50° to 54°. On the Continent the values range from 29° at Frankfurt and Munich to 55° at Gibraltar; in Scandinavia from 21° at Helsingfors to 41° at Skudesnaes; and in Iceland from 27° to 41°. The weather is fine in the south of France, but in nearly all other parts of the region under observation it is overcast and dull, with rain at a number of home and foreign stations. The atmosphere is foggy off Pembroke, and at Paris and Frankfurt.

DAILY WEATHER REPORT.

Wednesday, 4th December, 1912.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- utward H- omeward	BAROMETER.		WIND.		WEA- THER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- utward H- omeward	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.	
3rd, 6 p.m.	47 41	6 10	H.M.S.	H	30.41	-	SSW	2	bc.	3rd, 6 p.m.	51 18	25	Lake Manitoba	H	29.72	.00	S	1-3	0
			Dry Bulb, 56°; Wet Bulb, 56°; Sea Temp., 56°; Sea Disturbance, 2.							" 7 a.m.	50 25	25	Baronia	O	29.74	-.02	W	4-5	0
" 10 a.m.	46 16	7 17	H.M.S.	H	30.46	-	SSW	3	bc.	" "	48 25	25	Lapland	H	29.70	-.03	ESE	1-3	0
			Dry Bulb, 58°; Wet Bulb, 57°; Sea Temp., 59°; Sea Disturbance, 2.							" "	51 20	20	Royal Edward	H	29.73	-.03	SSE	4-5	0
			WNW. Swell.							" "	51 20	20	Lake Manitoba	H	29.74	.00	SW	4-5	1
3rd 6 p.m.	49 20		Lapland	H	29.78	+0.04	SSW	4-5	0										

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.		In.					Hr.					In.					Hr.
Oban		0.16	47	21	of	of	0.0			Ramsgate			42	31			0.0
Stonehaven										Margate			42	38			0.0
St. Andrews										Deal			44	36	om c.	bc. o.	0.0
Carnoustie										Littlestone							0.0
England, N.E.										Folkestone			45	38	b. bc.	bc.	0.0
Hartgate		0.04	37	29	op. r.	0	0.0			Hastings			45	37	b. bc.	bc. o. b.	0.0
Scarborough			38	31	of	of	0.0			Bexhill-on-Sea		0.01	46	37	b.	bc. o. b.	0.0
England, N.W.										Eastbourne			55	38	bc. b.	bc. o. b.	0.0
Blackpool		0.11	44	30	of	0	0.0			Seaford			47	35	bc.	bc.	0.0
Southport		0.04	43	31	op. o.	op. of.	0.0			Brighton			47	37	b. bc. c.	bc. o. b.	0.0
Buxton		0.08	42	30	om. of	c. of.	0.0			Worthing			48	35			0.0
Douglas										Littlehampton							0.0
Wales										Southsea			48	32	b. f.	bc. o.	0.0
Rhyll		0.05	53	34		bc. op.	0.0			Bournemouth		0.01	50	33	f.	o.	0.0
Colwyn Bay		0.04	53	38	bc.	bc. op.	0.0			Weymouth			51	34	fe. o.	oy.	0.0
Llandudno		0.02	53	37	o.	o.	0.0			Teignmouth			53	36	c.	c.	0.0
Bettws y-Coed										Torquay			53	37	c. o.	bc.	0.0
Aberystwyth		0.10	51	37	o. c.	of	0.0			Paignton			53	33	bc.	bc.	0.0
England, E.										Weston-super-Mare			49	34	o.	o.	0.0
Walton-on-the-Naze			42	34			0.3			Bournemouth		0.02	53	39	o.	a. o. b.	0.0
Lowestoft		0.01	41	34	of c. o.	o.	0.1										
Felixstowe			42	33	of	m. o.	0.3										
Southend-on-Sea			42	36	o.	o.	0.6										

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.			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.				In Screen.	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.) ...	78	96	50	33	28	0.05	c. f. o.	o	odp	0.0	Dublin to 4 p.m.	0.01	53	35	32	bm. c.	c. op	o. c. b.	0.0			
City (Bunhill Row) ...										0.0	Plymouth to 9 p.m.	0.02	52	37	25	bc.	oy	odf	0.0			
Westminster (St. James's Pk.)	71	95	51	34	32	0.05	bc.	om.	c. em.	0.0	Darwen	0.20	42	32	27	of. b.	o	om	0.0			
Camden Sq. (Brit. Rainfall)	76	94	50	35	38	0.06	f. c.	o	of. o. gm.	0.0	Manchester	0.06	47	32		o	of	o. c.	0.0			
Hampstead (Reservoir) ...		97	49	35		0.08	dm.	om.	of.	0.0	Birmingham	0.06	46	34	24	o	of	o	0.0			
24 HOURS ENDED 6 P.M. YESTERDAY.																						
South Kensington ...			45	36	26	trace	o. am.	om. c.	c. op.	0.0												
" (Roof of M.O.)	74	97	46	37																		

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

4th & 5th Dec., 1912	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 7.46 L.M.T. 11.43	G.M.T. 11.43 L.M.T. 11.44	G.M.T. 3.40 L.M.T. 3.40
Greenwich	G.M.T. 7.49 L.M.T. 11.50	G.M.T. 11.50 L.M.T. 11.51	G.M.T. 3.52 L.M.T. 3.52
Wick	G.M.T. 8.43 L.M.T. 12.3	G.M.T. 12.3 L.M.T. 12.3	G.M.T. 3.22 L.M.T. 3.21
Valencia	G.M.T. 8.32 L.M.T. 12.33	G.M.T. 12.31 L.M.T. 12.32	G.M.T. 4.30 L.M.T. 4.30

NOTES ON YESTERDAY'S WEATHER.

Within the past twenty-four hours temperature has touched 57° in central Ireland, and some of the night readings have not been below 50°. Rain has been general, but with the exception of $\frac{1}{2}$ in. in Mayo the amounts measured have been small. Worthing reports $3\frac{1}{2}$ hours of bright sunshine, but the majority of stations had none. As far west as the 27th meridian ships experienced Southerly to Westerly winds, light to moderate, with 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; 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.

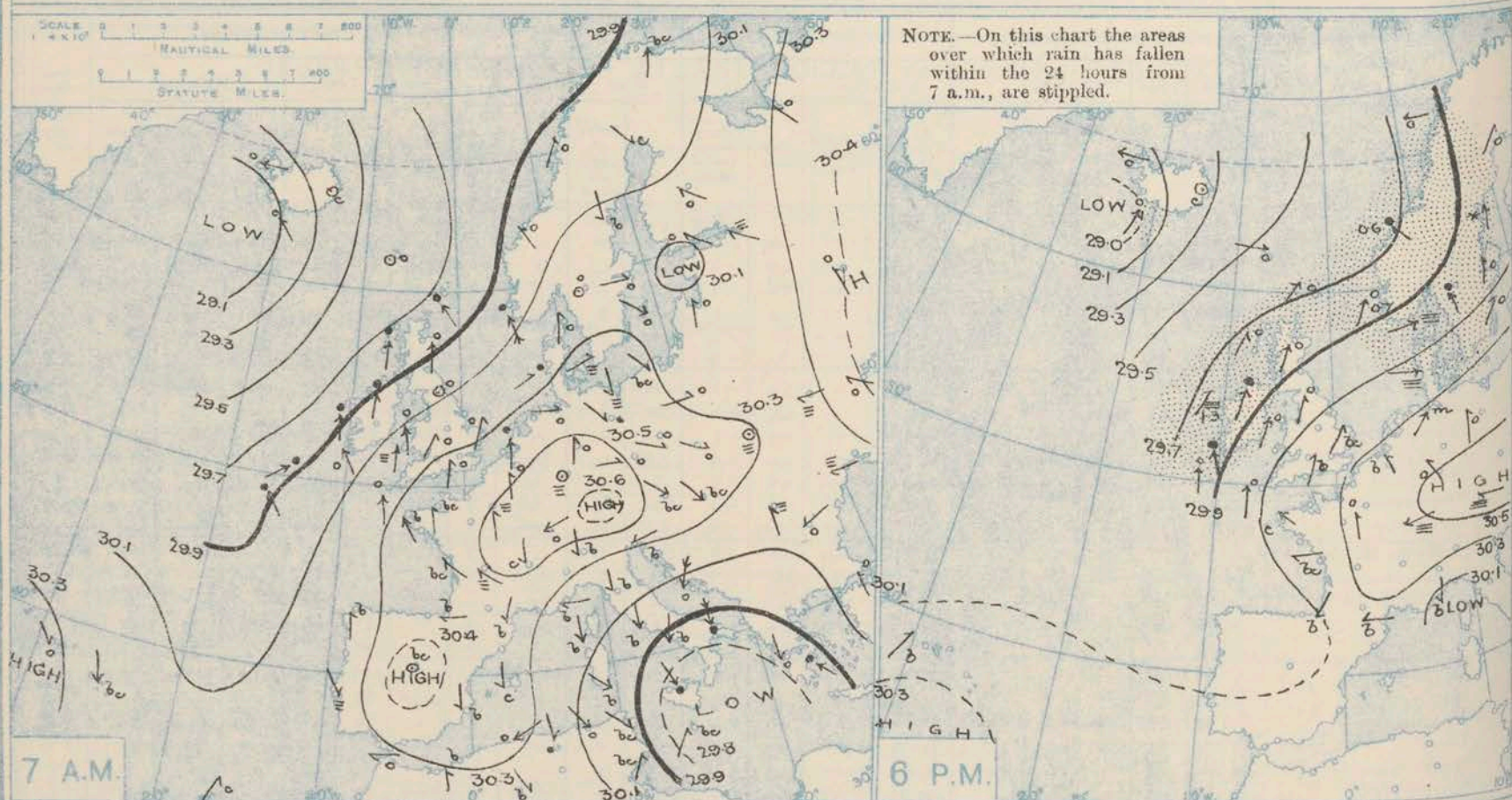
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Thursday
5th December 1912.

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).	TEMP.		WEATHER							
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dirac.	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.	Force (0 to 12).			Rain- fall.	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	29.64	49	SW	4	o	29.73	+0.1	46	+1	-	0	o	0	0.09	49	44	ond	om	ond	*			
Stornoway	29.72	46	SW	2	odp	29.66	-0.05	48	-2	SSE	4	r	4	0.28	51	41	odp	odp	or	0.0			
Castlebay (Barra Isd.)	29.72	49	SW	3	d	29.63	-0.02	50	-1	SSE	4	d	5	0.38	51	47	d.t.d	d	d.t.d	0.0			
Malin Head	29.73	52	SSW	7	epg	29.64	-0.05	49	-2	WSW	8	cgq	7	0.04	54	47	om	ggp	ggp	*			
Blacksod Point	29.71	51	SW	2	f	29.55	-0.04	51	-2	WSW	5	r	4	1.25	53	47	fd	fd	fr	*			
Valencia	29.77	53	SSE	6	gpm	29.60	-0.03	51	-3	S	4	rm	4	0.36	55	50	ompg	mgt	omr	0.0			
Roche's Point	29.94	51	SSW	6	o	29.70	*	50	-1	SSW	5	o	5	0.04	52	49	ond	d.m.o.	d.o.	*			
Birr Castle	29.84	52	SSE	6	o	29.68	*	49	-4	SE	3	o	*	0.01	55	47	op.o.	o	o	0.0			
Donaghadee	29.90	51	SSE	2	r	29.81	-0.03	49	-1	SSE	2	o	2	0.01	53	48	cg	cg	og	*			
Liverpool Obsy.	30.08	49	SSW	2	o	29.92	-0.05	40	-11	SE	4	bc.	2	-	54	40	og	og	o.c.	0.0			
Holyhead	30.01	50	SSW	6	o	29.86	-0.04	45	-6	S	2	bc.	1	0.05	52	44	ond	om.	m.	*			
Pembroke (St. Ann's Hd.)	30.08	49	SSW	6	c	29.81	-0.08	47	-4	SSE	6	bg	5	0.02	52	46	cgq	cgq	ggp.	0.0			
Newquay	30.10	49	S	4	c	29.80	-0.04	44	-6	SE	2	om	3	-	52	44	c	cm.	bc.c.	0.0			
Scilly (St. Mary's)	30.06	51	S	5	om	29.76	-0.09	49	-3	SSE	5	c	5	-	53	47	om	om	om	0.0			
Jersey (St. Aubin)	30.27	45	SE	4	bcn	29.95	*	40	-7	SE	5	ogm	4	-	47	39	cm	cm	bcn	0.8			
Portland Bill	30.21	48	S	5	c	29.94	-0.07	49	-2	SE	5	bc.	4	-	52	46	c	c.bc.	c.b.	*			
Dungeness	30.28	48	S	5	c	30.05	-0.05	42	-8	SE	4	c	4	-	51	39	c	a.	c	*			
Dover	30.28	47	SW	4	b	30.08	*	40	-8	SE	3	b	3	-	48	40	o	o.b.	b	0.0			
Wick	29.72	48	SSW	3	r	29.71	-0.03	46	-2	SSW	2	c	3	0.14	48	44	ond	om	om	*			
Nairn	29.75	48	-	0	rj	29.72	*	46	-2	-	0	c	1	0.27	53	44	o	qr	tc.	0.0			
Aberdeen	29.79	51	SSW	5	o	29.81	0.00	49	+2	-	0	o	2	-	52	47	om	o.cm	om.	0.0			
Leith	29.86	53	SSW	5	o	29.85	-0.02	49	-4	-	0	o	*	-	56	49	c.bc	c	c	*			
North Shields	30.00	52	SSW	3	o	29.94	-0.02	45	-5	SSE	3	o	2	-	54	42	o	c	o	0.0			
Spurn Head	30.13	48	SSW	4	o	30.01	-0.01	40	-8	SSE	4	bcw	4	0.04	50	39	c	c.o	c.cm	*			
Yarmouth	30.25	49	SW	2	bc	30.10	-0.05	43	0	SSE	3	bc	3	0.04	51	41	om.	om.bc.	bc.	0.0			
Clacton-on-Sea	30.27	45	S	3	bc	30.08	-0.04	42	-4	ESE	3	c	3	-	47	42	og	og.bc.	bc.c.	0.0			
Nottingham	30.16	51	SW	3	o	30.01	*	37	-14	SSW	1	c	*	-	54	36	o	o	o.e.b.	0.0			
Bath	30.22	48	SSW	2	o	29.96	*	40	-13	SE	1	c	*	-	55	36	-	-	-	0.0			
Oxford	30.22	45	WSW	2	o	30.00	*	39	-12	SE	2	bcn	*	-	52	38	o	o	o.e.b.	*			
London (Key Obsy.)	30.27	45	SSW	2	bm	30.04	-0.05	38	-11	E	1	bcn	*	-	51	37	o	om.bcn	bm.bcn	0.0			
ICELAND & FAEROE.																							
Isafjord	29.18	37	E	6	o	29.47	+0.05	34	-4	E	6	bc.	*	*	*	*	GALES.						
Reykjavik	28.93	37	SE	3	o	29.36	+0.06	33	-3	-	0	b	*	*	*	*	Duration and Extreme Force on British Coasts.						
Vestmanna	28.99	41	SSW	7	o	29.36	+0.04	36	-5	-	0	bc.	1	*	*	*							
Seydisfjord	29.23	38	-	0	c	29.28	+0.03	40	+7	SW	2	b	*	*	*	*							
Thorshavn	29.52	43	W	2	o	29.61	0.00	41	+3	-	0	c	*	*	*	*							
SCANDINAVIA.																							
Haparanda	30.01	21	SW	2	o	29.89	-0.04	23	0	SW	2	o	*	-	30	21	Malin Head, 1 a.m.-7 a.m.						
Hernösand	29.92	34	S	4	s	29.67	-0.02	29	+8	-	0	b	*	0.24	34	19	Extreme W.S.W. 8.						
Stockholm	30.05	33	S	2	o	29.81	-0.02	41	+11	WSW	4	r	*	0.16	41	30							
Wisby	30.22	35	SW	2	o	29.99	-0.04	41	+7	SW	4	o	*	0.12	41	34							
Karlstad	29.95	37	SSE	4	t	29.85	0.00	45	+22	WSW	2	o	*	0.32	45	21							
Färder (X'ania Fjord)	29.89	42	SW	5	f	29.85	+0.01	44	+6	WSW	6	m	4	0.08	43	37							
Bodö	29.83	34	E	1	o	29.73	-0.01	30	-6	E	1	b	1	0.08	36	28							
Christiansund	29.64	37	SE	3	r	29.74	+0.09	43	+5	W	5	o	4	0.55	43	37							
Skudesnaes	29.87	47	SSW	4	o	29.89	+0.01	46	+5	S	4	r	4	0.71	47	41							
The Scaw (Skagen)	30.01	43	WSW	6	f	30.00	+0.01	47	+8	W	6	m	2	0.04	47	39							
Blaavands Huk	30.19	45	W	4	f	30.18	+0.01	45	+2	WSW	3	o	3	0.04	45	43							
GERMANY, &c.																							
Cuxhaven	30.30	40	SW	4	m	30.26	-0.01	37	+1	SW	2	o	*	-	41	36							
The Helder	30.31	45	S	4	m	30.19	-0.04	34	-9	SE	2	b	1	-	45	34							
Brussels	30.38	35	SE	1	b	30.15	-0.09	35	-4	SE	3	c	*	-	46	33							
Berlin	30.43	37	S	3	o	30.36	-0.02	35	-3	S	2	c	*	-	43	35							
Frankfurt	30.50	29	SE	1	o	30.37	-0.05	26	-3	SE	2	b	*	-	34	25							
Munich	30.55	27	E	3	f	30.38	-0.03	24	-5	E	3	b	*	-	34	23							
FRANCE.																							
C. Gris Nez	30.32	43	SE	4	bc	30.09	-0.08	36	-6	ESE	3	bc	2	-	48	34							
La Hève	30.27	41	SSE	4	o	29.99	*	30	-11	E	4	m.	3	-	52	30							
Brest (St. Mathieu)	30.17	50	SE	4	c	29.85	-0.07	44	-3	ESE	4	o	3	-	54	41							
Lorient (Bec Melen)	30.19	45	SE	4	b	29.85	*	41	-9	E	4	o	3	-	54	37							
Rochefort (Ile d'Aix)	30.18	43	E	3	bc	29.96	*	39	+1	SSE	5	c	*	-	48	36							
Biarritz	30.08	48	NE	3	b	30.01	*	54	+16	SSW	3	b	1	-	54	38							
Paris	30.38	34	SSE	1	f	30.12	-0.05	29	-2	SE	2	o	*	-	35	28							
Belfort	30.48	28	ENE	6	f	30.32	*	24	-6	ENE	4	m	*	-	34	24							
Lyons																							
Nice	30.09	49	N	2	b	30.06	+0.01	50	+8	SW	3	b	3	-	64	42							
Perpignan	30.28	39	E	1	b	30.16	-0.02	29	-13	SW	1	b	*	-	55	28							
Sanguinaire																							
SPAIN, PORTUGAL, &c.																							
Corunna (8 a.m.)																							
Lisbon (9 a.m.)																							
Gibraltar																							
Azores (P. Delgada)	30.20	57	E	2	bc.	30.16	*	56	+1	E	1	c	1	-	60	54							
Azores (Horta)																							
Madeira (Funchal)	30.27	59	SW	3	b	30.15	+0.01	59	+7	WSW	4	o	3	0.04	61	52							

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 4TH DECEMBER.



GENERAL INFERENCE

The distribution of pressure is favourable to a changeable type of weather over the

WEATHER PROSPECTS.

British Isles, disturbances being indicated on various parts of the Atlantic.

FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

- 0 { Same as Nos. 9 and 10.
- 1 { calm to freshening Southerly breezes, fair to dull, some rain; mild.
- 2 { Freshening South-Easterly to Easterly breezes; fair to dull.
- 3 { some rain, local mist;
- 4 { moderate temperature.
- 5 {

FORECAST DISTRICTS.



STORM WARNINGS.

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

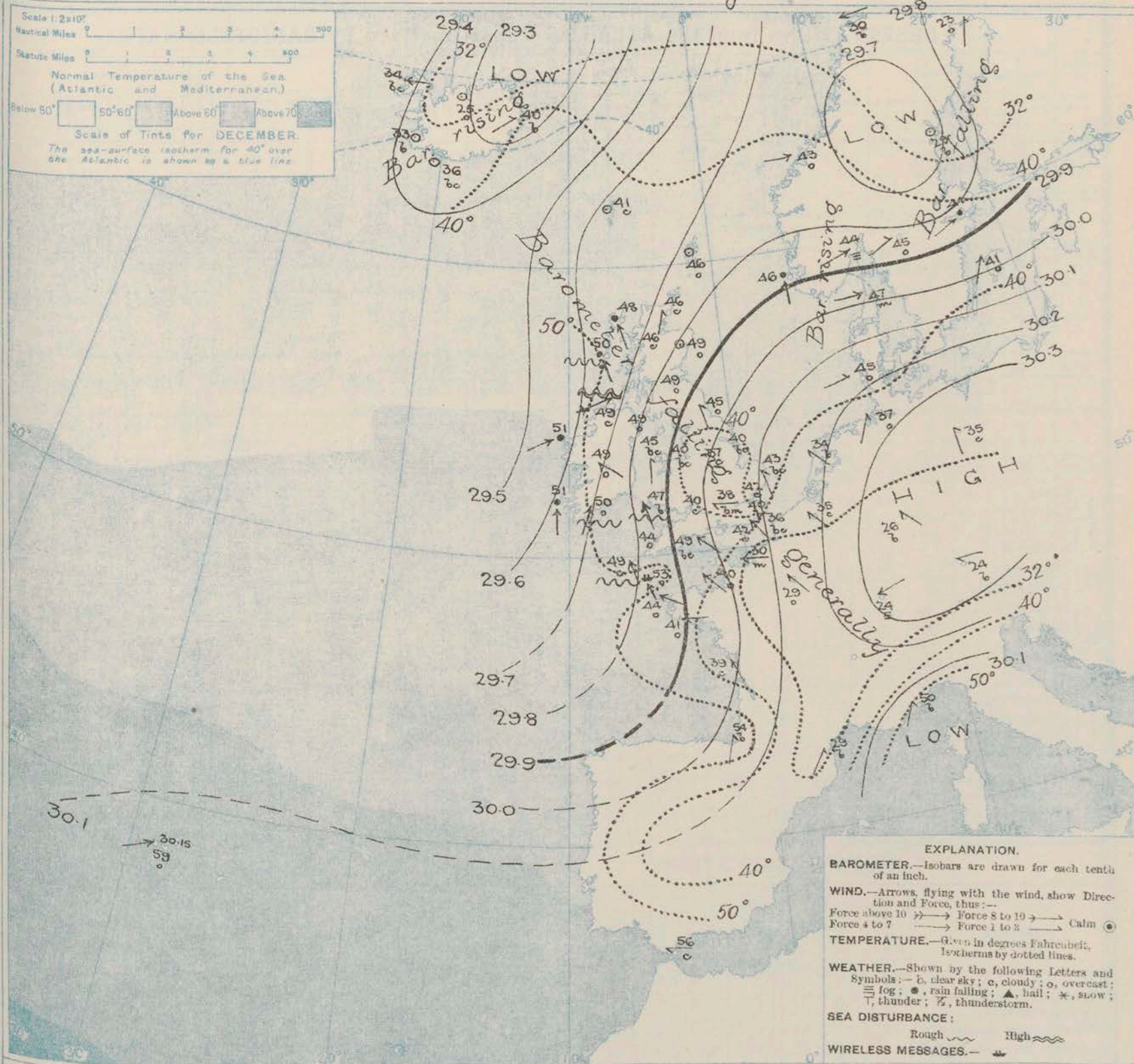
Signals hoisted yesterday.	Signals hoisted this morning.
South Cone. ✓	South Cone. ✓
North Cone. ✓	North Cone. ✓

South Cone hoisted at 7.5 p.m. in Districts 0 (part of) 6, 9 and 10.

- 6 { Same as Nos. 9 and 10.
- 7 { Southerly and South-Easterly breezes, freshening; fair to dull, some rain, local mist; moderate temperature.
- 8 { Southerly to Easterly winds, fresh or strong at times; fair to dull, some rain, local mist; moderate temperature.
- 9 { Southerly to Westerly winds, fresh or strong, a gale locally; squally, dull, some rain, coast mist or fog; mild.
- 10 {
- 11 WESTERN GULF OF ST. LAWRENCE AND BAY OF FUNDY. Fresh to strong South-Easterly and Easterly winds; slight to rough sea; fair to dull, some rain and mist; rather cold.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. *Thursday, 5th* DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

In a high pressure system covering Central Europe the barometer is above 30.3 in. over Germany. The barometer is below 29.3 in. in a depression over the east of Iceland; about 29½ in. off the coast of Mayo; and below 29.7 in. over Central Scandinavia. Other disturbances are indicated off the Bay of Biscay and to the northward of the Azores.

The winds vary greatly in direction and force. Over the British Isles they are between N. and S. and E, fresh to strong at some of the western stations, a gale at Malin Head. At the home stations temperature ranges from 37°

at Nottingham to 51° at Blacksod Point; on the Continent from 24° at Belfort and Munich to 56° at Gibraltar; in Scandinavia from 23° at Haparanda to 46° at Skudesnaes; and in Iceland from 25° to 40°. At the mouth of the Channel the temperature of the air is 53°, that of the sea water 51°. The weather varies from cloudless to cloudy or overcast. Rain is falling on the Atlantic seaboard and locally in Scandinavia. A high sea is running on the Donegal coast, and it is rather rough in a few other western localities.

DAILY WEATHER REPORT.

Thursday, 5th December, 1912.

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.	
5th, 7 a.m.	48 44	15 37	H.M.S. Dry Bulb, 55°; Wet Bulb, 50°; Sea Temperature, 51°; Sea Disturbance, 3. Wind steady.	H	29.83	-0.01	SSE	5	0	4th, 6 p.m.	51	10	Arabic	O	29.70	-0.09	S	6-7	0
										1 p.m.	49	12	Lapland	H	29.74	-0.11	SSW	6-7	0
4th, 6 p.m.	46 20	7 32	H.M.S. Dry Bulb, 55°; Wet Bulb, 50°; Sea Temperature, 55°; Sea Disturbance, 4. Moderate S.E. swell, wind varying.	H	30.04	-	SSE	3	0	7 a.m.	51	13	Lake Maritima	H	29.78	-0.01	SW	4-5	1
											49	15	Lapland	H	29.87	+0.03	SSE	4-5	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.		In.					Hr.	England, S.E.		In.					Hr.
{ Oban ...								{ Ramsgate ...			50	40			1.1
{ Stonehaven ...								{ Margate ...		0.04	?	?			0.4
{ St. Andrews ...		0.06	51	33	0	0	0.0	{ Deal ...		0.01	49	44	op.c.	bc.c.	0.9
{ Carnoustie ...								{ Littlestone ...							1.3
Eng. N.E.								{ Folkestone ...			50	42	b.be.	bc.	0.2
{ Harrogate ...		0.01	52	37	c.0	o.c.be	0.0	{ Hastings ...		0.02	49	46	0	o.b.	0.2
{ Scarborough ...			51	34	of	of	0.1	{ Bexhill-on-Sea ...		0.01	50	46	0	bc.o.be	1.2
England, N.W.								{ Eastbourne ...			50	47	o.be.	o.be.	2.0
{ Blackpool ...		0.01	53	44	op	0	0.0	{ Seaford ...			51	46	o.b.	b.	0.5
{ Southport ...		0.02	53	43	o.be.c	0	0.1	{ Brighton ...			51	38	o.c.	c.be.	2.0
{ Buxton ...		0.05	50	40	be.	c.	0.1	{ Worthing ...		0.01	51	47	od.o	o.c.be.	1.6
{ Douglas ...								{ Littlehampton ...							1.8
Wales.								{ Southsea ...			52	34	om.be.	bc.o.c.	1.0
{ Rhyi ...		0.02	53	49			0.0	{ Bournemouth ...		0.02	52	34	o.c.	0	0.1
{ Colwyn Bay ...		0.02	54	50	be.c.	op.be.	0.0	{ Weymouth ...			53	47	oe.c.	c.	1.7
{ Llandudno ...			54	38	0	o.b.	0.0	{ Teignmouth ...			54	51	c.be.	bc.c.	1.5
{ Bettws y-Coed ...					c.	c.	0.0	{ Torquay ...		0.01	53	50	o.c.be.	c.o.	0.0
{ Aberystwyth ...		0.06	53	47	t.o.c.	c.om.	0.0	{ Paignton ...							0.0
England, E.								{ Weston-super-Mare ...			54	40	0	0	0.0
{ Walton-on-the-Naze ...		0.08	49	44	c.oe.	oge.	0.0	{ Ilfracombe ...		0.05	54	47	0	0	0.0
{ Lowestoft ...		0.03	51	41	om.	o.c.	0.0								
{ Felixstowe ...		0.06	49	34	m.o.	om.be.	0.0								
{ Southend-on-Sea ...		0.03	49	36	0	o.be.	0.0								

LONDON OBSERVATIONS.

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.	
Greenwich (Royal Obs.) ...	84	89	52	34	24	-	0	o.c.	cbwz	0.0
City (Rushmill Row) ...										0.0
Westminster (St. James's Pk.)	83	80	52	39	31	-	0	0	om	0.0
Camden Sq. (Brit. Rainfall)	89	87	52	35	28	-	0	0	om	0.0
Hampstead (Reservoir) ...		92	49	35	29	-	tem	tem.	d.	0.0
24 HOURS ENDED 9 A.M. TO-DAY.										
South Kensington ...			52	44	40	0.08	oom.	o.og.	og.be.	0.0
" (Roof of M.O.)	85	84	52	45						
24 HOURS ENDED 6 P.M. YESTERDAY.										

Additional Observations for Yesterday.

STATIONS.	RAIN-FALL.	TEMPERATURE.		WEATHER.			Sun-shine for Yesterday.
		In Screen.	Min. on Grass.	Night.	Fore-noon.	After-noon.	
Dublin to 4 p.m.		56	51	48	c.o.	q.c.	0.3
Plymouth to 9 p.m.	0.04	53	49	47	og	oodf	0.0
Darwen	0.01	51	40	37	om.	tg.	0.0
Manchester							
Birmingham		51	45	41	0	c	0.0

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

5th & 6th Dec., 1912.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.47	11.44	3.40
	7.49	11.44	3.39
Greenwich ...	7.50	11.51	3.52
	7.51	11.51	3.51
Wick ...	8.45	12.3	3.21
	8.47	12.3	3.20
Valencia ...	8.33	12.32	4.30
	8.35	12.32	4.29

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature exceeded 50° in nearly all parts of this country, and touched 56° at Leith. Blacksd Point reports 1.3 in. of rain, but elsewhere the amounts were small. Seaford and Worthing had 2 hours of bright sunshine, most other stations had none. As far west as the 16th meridian ships experienced moderate to strong South-Westerly to South-Easterly breezes and dull to rainy 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.

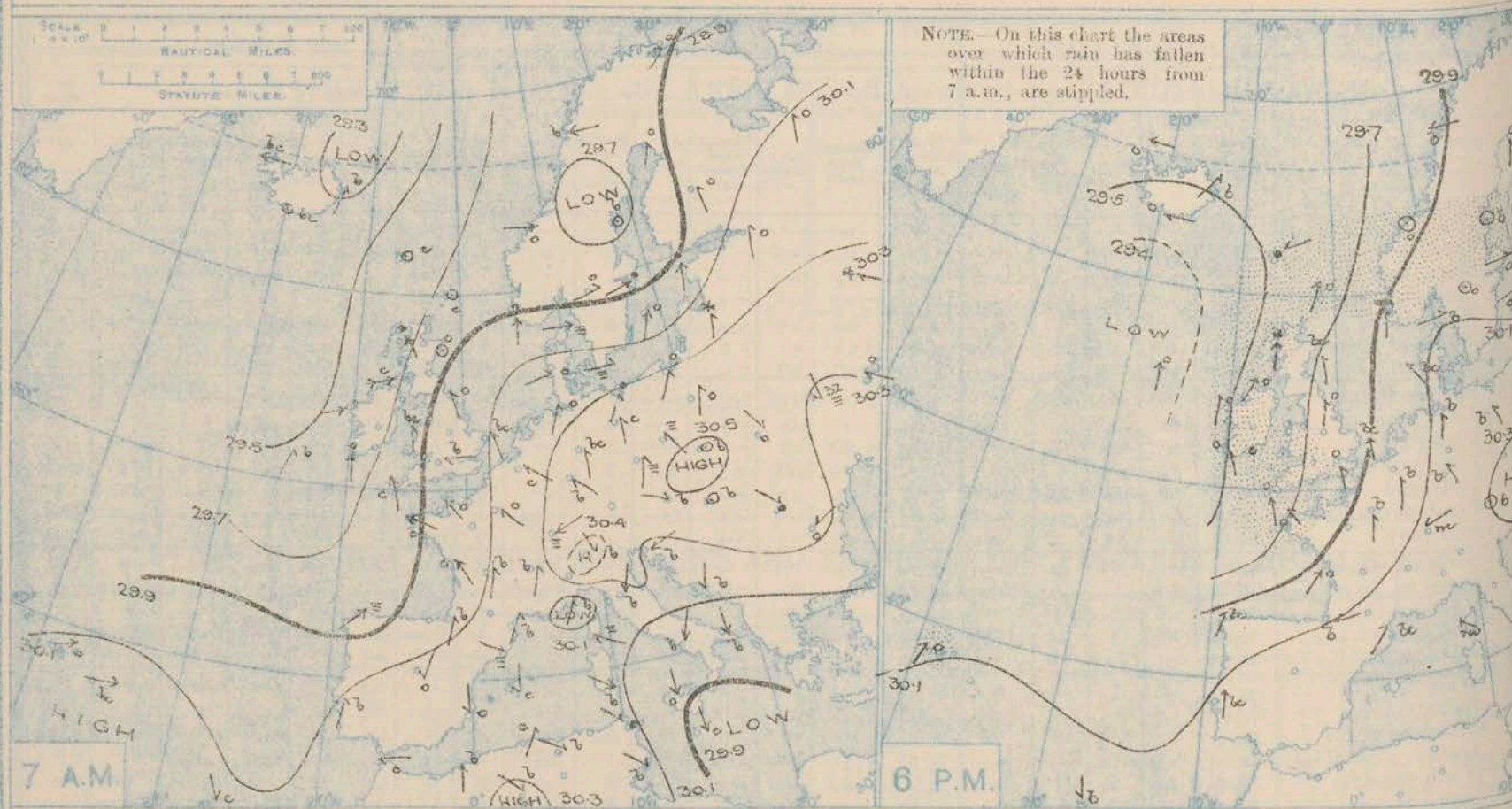
Friday, 6th December, 1912.

STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
	Barom.	Temp.	Wind	Force	Weather.		Barometer.		Temp.		Wind.		Force	Weather.	Sea	Rain- fall.	Temp.		Weather.				
							At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dirac.	(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.	"		(0 to 12).			In.	In.	"	"		(0 to 12).			In.	"	"				Hours		
Lerwick	29.63	47	SSW	4	o		29.50	-05	45	-1	SSE	4	o	3	0.03	47	44	ome	cm	omp.	0		
Stornoway	29.56	48	S	7	r		29.48	-04	44	-4	W	1	r	1	0.29	49	44	odpy	odpy	odm	0.0		
Castlebay (Barra Isd.)	29.56	48	SSE	4	r		29.41	-03	48	-2	SSE	4	d	5	0.30	50	46	d.r	r.d.	d.r.d.	0.0		
Malin Head	29.52	47	SW	5	o		29.40	00	45	-4	S	2	b	1	0.02	49	44	cgqd	omq	ombm	0		
Blacksod Point	29.49	49	S	1	o		29.37	-03	46	-5	S	2	m	2	0.23	52	44	om	om	om	0		
Valencia	29.50	48	SSE	2	cm		29.55	+07	47	-4	SW	4	b	4	0.35	51	44	om	m.be	bep.	0.0		
Roche's Point	29.53	50	S	5	r		29.59	*	43	-7	WSW	3	b	4	0.10	51	43	omd	omdp	opb	0		
Birr Castle	29.51	50	SE	2	o		29.42	*	46	-3	SW	4	o	4	0.06	51	43	o	o	op.o	0.0		
Donaghadee	29.64	47	SSE	2	c		29.47	-02	48	-1	SSE	2	bc	2	-	44	46	cg	o	o.be	0		
Liverpool Obsy.	29.72	38	ESE	3	o		29.61	-02	43	+3	SE	3	r	2	0.01	43	36	be	bc.o	bep.	0.0		
Holyhead	29.66	45	SSW	4	o		29.52	-02	49	+4	S	5	o	4	0.01	49	44	m.	om.	om.	0		
Pembroke (St. Ann's Hd.)	29.65	47	SSE	6	o		29.58	+04	49	+2	SSW	6	cgq	6	0.06	54	46	bcq	bcqm	ogm	0.0		
Newquay	29.66	48	SE	2	om		29.67	+03	48	+4	S	4	ep	4	0.26	51	44	c	c	cp	0.5		
Scilly (St. Mary's)	29.61	51	SSE	4	om		29.66	+06	49	o	W	5	bc	5	0.01	54	47	cm	om.	cp	0.2		
Jersey (St. Aubin)	29.82	46	S	4	ogm		29.87	*	51	+11	S	4	ogmp	4	0.02	52	39	cm	ogm	ogmp	0.1		
Portland Bill	29.77	48	SSW	4	o		29.73	-03	51	+2	S	6	r	5	0.04	51	35	c	c.o.	ot	0		
Dungeness	29.85	44	S	4	c		29.86	+04	50	+8	SW	6	c	6	trace	51	36	c.cq	o.c.	cp.c	0		
Dover	29.88	41	SW	5	bc		29.92	*	49	+9	SW	4	c	4	0.01	49	35	becl	b.c	b.c.ot	0.2		
Wick	29.62	46	S	4	o		29.46	-05	43	-3	S	1	o	3	-	48	38	cm.c	c.om	c.om	0		
Nairn	29.65	44	-	0	o		29.47	*	34	-12	-	0	bc	1	0.01	50	33	c	o	bc.	0.0		
Aberdeen	29.71	44	SSE	3	bc		29.53	-03	39	-10	SSW	2	c	2	-	49	39	ome	c.bm	bim	0.0		
Leith	29.69	39	WSW	1	m.		29.58	+01	39	-10	NNE	1	m.	-	0.01	50	32	og	og	f	0		
North Shields	29.78	39	S	1	o		29.64	00	36	-9	SSW	2	o	2	-	47	35	c.cq	og.c	c.om	0.0		
Spurn Head	29.79	41	SSE	5	bc		29.72	00	43	+3	SSE	5	c	5	-	44	36	c	bc.	bim.c	0		
Yarmouth	29.89	39	SSE	4	bc		29.86	+02	46	+3	SSW	3	bc	3	-	46	37	bc	bc	bc.	1.1		
Clacton-on-Sea	29.87	38	SSE	4	o		29.87	+04	45	+3	SSE	2	bc	3	-	45	36	c	c.o.	o.c.be	0.2		
Nottingham	29.80	34	SSE	1	c		29.73	*	46	+9	SSW	3	c	-	-	46	34	om	om.	c.o	0.2		
Bath	29.78	43	SSE	2	r		29.74	*	50	+10	WSW	3	r	-	0.02	51	40	-	-	-	0.1		
Oxford	29.79	41	SE	2	o		29.77	*	49	+10	S	4	r	-	trace	49	39	bim.c	o	od.	0		
London (Kew Obsy.)	29.83	40	SSE	3	om		29.84	+03	48	+10	SSW	4	o	-	trace	49	36	bim.becl	om	o.c.o	0.0		
Isafjord	29.58	33	E	4	o		29.53	-01	32	-2	NE	4	b	-	-	-	-	-	-	-	-		
Reykjavik	29.43	35	E	3	c		29.32	-04	37	+4	-	0	o	-	-	-	-	-	-	-	-		
Vestmanna	29.43	40	F	1	c		29.36	-02	39	+3	E	8	c	2	-	-	-	-	-	-	-		
Seydisfjord	29.50	34	SW	1	b		29.52	-02	30	-10	W	1	b	-	-	-	-	-	-	-	-		
Thorshavn	29.53	43	ENE	3	r		29.32	00	41	0	WSW	3	c	-	-	-	-	-	-	-	-		
Haparanda	29.98	21	S	2	o		30.12	+03	19	-4	-	0	o	-	-	25	16	-	-	-	-		
Hernösand	30.02	29	-	0	b		30.08	-01	33	+4	-	0	s	-	0.04	34	19	-	-	-	-		
Stockholm	30.03	42	W	2	o		30.11	+02	42	+1	SW	2	f	-	trace	45	39	-	-	-	-		
Wisby	30.09	42	WSW	2	o		30.19	+02	38	-3	SW	2	b.	-	-	45	37	-	-	-	-		
Karlstad	30.05	42	-	0	o		30.06	00	37	-8	-	0	o	-	-	45	36	-	-	-	-		
Færder (X'ania Fjord)	29.91	27	E	1	b		29.88	-04	28	-2	E	4	b	1	-	30	23	-	-	-	-		
Bodö	29.82	42	-	0	o		29.71	-04	43	0	-	0	b	3	0.12	45	41	-	-	-	-		
Christiansund	29.94	44	S	4	f		29.76	-02	42	-4	SSE	8	o	4	0.08	46	41	-	-	-	-		
Skudesnaes	30.10	41	WSW	3	b		29.99	-02	41	-6	S	6	b	2	-	47	41	-	-	-	-		
The Scaw (Skagen)	30.08	40	SSE	3	bc		29.98	-01	40	-5	S	3	bc	2	-	45	37	-	-	-	-		
Blaavands Huk	30.11	36	S	3	b		30.03	-02	32	-5	S	3	b	-	-	43	32	-	-	-	-		
Cuxhaven	29.98	34	SE	3	b		29.95	+02	36	+2	S	3	o	3	-	39	34	-	-	-	-		
The Helder	30.01	35	S	2	b		30.05	+04	40	+5	ESE	1	o	-	-	41	35	-	-	-	-		
Brussels	30.27	36	SE	3	b		30.21	-02	32	-3	S	2	c	-	-	41	32	-	-	-	-		
Berlin	30.23	28	SE	1	b		30.27	00	24	-2	SW	2	f	-	-	36	23	-	-	-	-		
Frankfurt	30.30	25	-	0	b		30.34	+01	24	0	SW	1	bc.	-	-	30	19	-	-	-	-		
Munich	29.89	36	SSE	5	bc		29.93	+04	47	+11	S	5	bc	4	-	47	36	-	-	-	-		
C. Gris Nez	29.87	41	SE	4	m		29.93	*	45	+15	SSW	5	o	4	-	46	30	-	-	-	-		
La Hève	29.74	50	SE	3	m		29.82	+04	51	+7	SW	4	bc	5	0.04	50	44	-	-	-	-		
Brest (St. Mathieu)	29.48	53	SSW	5	o		29.89	*	50	+9	SW	6	r	5	0.24	54	37	-	-	-	-		
Lorient (Bec Meles)	29.48	53	SW	5	o		30.08	*	41	+2	S	4	bc	-	-	54	39	-	-	-	-		
Rochefort (Ile d'Aix)	30.10	55	ENE	2	bc		30.11	*	51	-3	S	3	b	3	-	57	45	-	-	-	-		
Biarritz	30.02	39	S	3	b		30.09	+04	42	+13	S	2	b	-	-	42	28	-	-	-	-		
Paris	30.23	38	ENE	3	m		30.28	*	28	-4	WNW	2	m	-	-	33	24	-	-	-	-		
Belfort	30.21	38	NNE	1	b		30.27	*	30	+3	E	1	b	-	-	43	27	-	-	-	-		
Lyons	30.19	42	-	0	b		30.17	+01	42	-8	-	0	b	2	-	55	37	-	-	-	-		
Nice	30.14	44	SW	1	bc		30.17	00	42	+13	SW	1	o	-	-	57	29	-	-	-	-		
Perpignan	30.20	?	SSE	2	m		30.20	*	50	+1	SE	4	m	3	-	57	43	-	-	-	-		
Sanguinaire	29.99	54	SW	3	bc		30.04	00	54	+2	S	3	o	5	0.28	59	50	-	-	-	-		
Corunna (8 a.m.)	29.99	54	SW	3	bc		30.04	00	54	+2	S	3	o	5	0.28	59	50	-	-	-	-		
Lisbon (9 a.m.)	29.99	54	SW	3	bc		30.04	00	54	+2	S	3	o	5									

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. 5TH DECEMBER.



GENERAL INFERENCE

The depression to the southward of Iceland appears to be almost stationary. Small secondary disturbances are likely to move in a North-easterly or North-Easterly direction across the United

WEATHER PROSPECTS.

Kingdom, causing showers in most districts, and snow or sleet locally in the north. A larger disturbance, which is passing the Azores is likely to cause backing and freshening winds on the Irish coasts.

FORECASTS FOR THE 24 HOURS NOON

FRIDAY TO NOON SATURDAY.

- 0 { Southern winds, light or moderate; changeable, some rain.
- 1 { snow or sleet locally; temperature below the normal.
- 2 {
- 3 { Fresh Southerly to Westerly
- 4 { winds, some rain at first, improving temporarily later;
- 5 { rather 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 Coast.	South Coast.
North Coast.	North Coast.

NO WARNINGS ISSUED.

- 6 { Southern winds, freshening; fair at first, some rain later; mild.
- 7 { South-Westerly winds, fresh or strong in places; mild;
- 8 { changeable, some showers.
- 9 { South-Westerly to Southerly
- 10 { winds, freshening; fair at first, some rain later; mild.

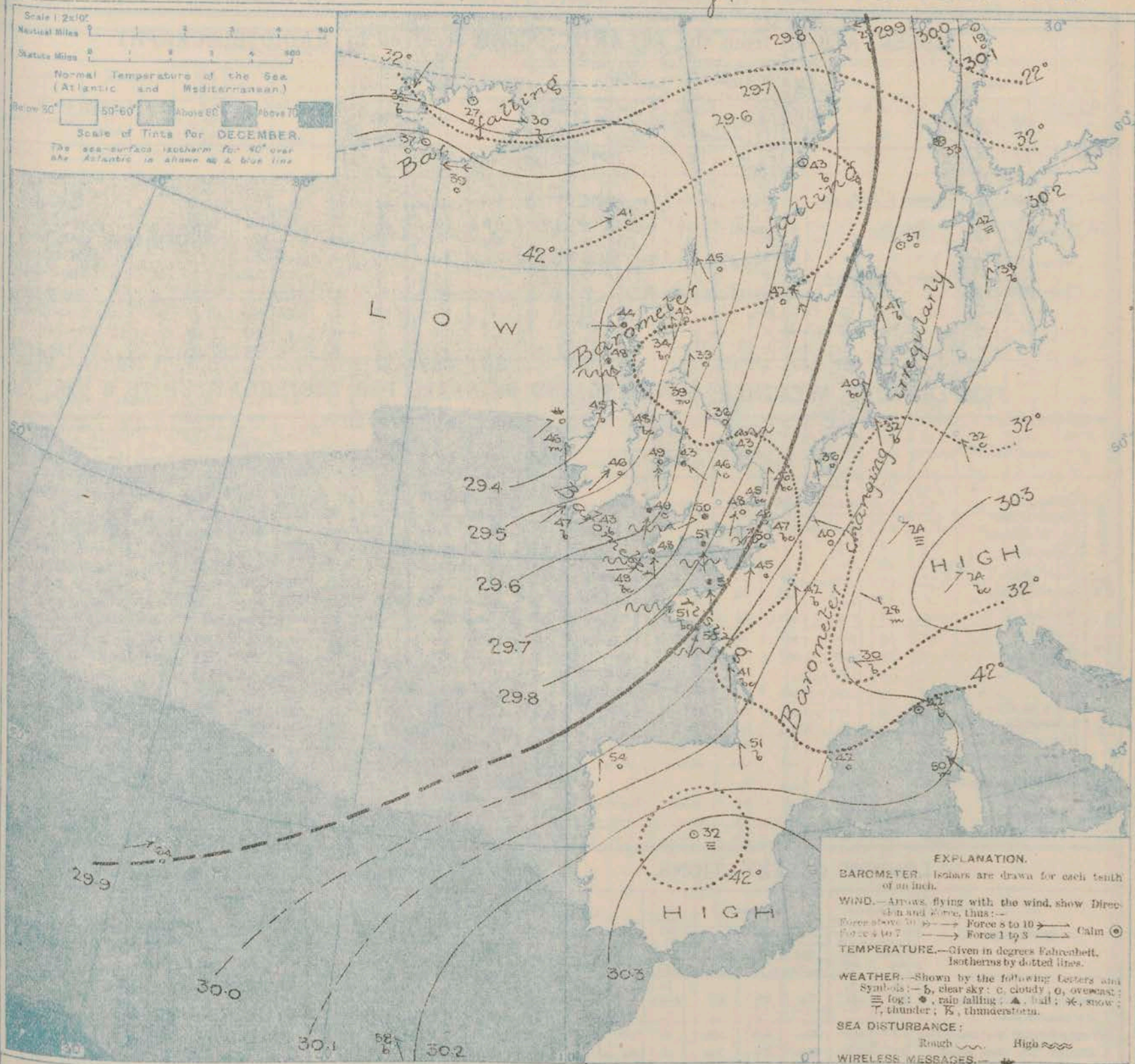
11 WESTERN CHANNEL AND BAY.

Fresh or strong Southerly and South-Westerly winds and a rather rough sea; changeable, some showers, normal temperature.

THE FURTHER OUTLOOK (All Districts)

Changeable weather is likely to continue.

SYNOPTIC CHART FOR 7 A.M. Friday, 6th DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Barometrical pressure now ranges from 30.3 in. and upwards over Bavaria to 29.4 in. and less in a large depression of moderate intensity which lies to the southward of Iceland. Small secondary disturbances are shown over various parts of our west and southwest coasts.

S_W to S_{SE} winds prevail over Western Europe generally, and blow strongly in the English and Bristol Channels. In Iceland the wind is E, with a gale at Vestmanna. Temperature has risen over England,

France and the Netherlands, fallen elsewhere. Over the United Kingdom the morning readings range from 50° or a trifle above it at some of our south coast stations to 40° and less over North Britain, and to 34° at Obairn. Frost prevails in Germany and in the north of Scandinavia. Rain is falling in many parts of England, but in nearly all other countries the weather is at present fair. Fog prevails locally in Sweden and Germany. The sea is rough in the English and Bristol Channels, and rather rough off the Southern Hebrides.

DAILY WEATHER REPORT.

Friday, 6th December, 1912.

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, 7 a.m.	55	10	Empress of Ireland	H	29.44	+0.2	SW	1-3	0										
5th, 7 a.m.	51	15	Arabic	O	29.51	-0.6	SW	4-5	6										
" 6 p.m.	54	17	Empress of Ireland	H	29.38	+0.1	S	4-5	0										
" 7 a.m.	54	23	Empress of Ireland	H	29.35	+0.2	S	4-5	6										

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.					Hr.	
Scotland.	Oban	0.46	55	47	of	of	0.0	Ramsgate	—	48	35			0.5
	Stonehaven							Margate	—	41	37			0.0
	St. Andrews							Deal	—	44	36	cl. bc.	m. bc.	0.5
	Carnoustie							Littlestone						0.0
Eng. N.E.	Harrogate	—	38	32	c. o.	oc. bc. b.	0.0	Folkestone	—	42	35	bc	bc	0.0
	Scarborough		45	39	o. c.	o. c.	1.0	Hastings	—	46	38	bc. o.	o	0.2
England, N.W.	Blackpool	—	48	38	o. c.	o. c.	0.0	Bexhill-on-Sea	—	45	40	c	o	0.0
	Southport	—	43	39	b. bc. o.	o	0.0	Eastbourne	—	49	40	c	c	0.0
	Buxton	—	47	34	c	bc. o.	0.0	Seaford	—	47	32	c	c	0.0
	Douglas							Brighton	—	45	41	o. c.	o	0.8
Wales.	Rhyl	—	46	40	b. o.	o	0.0	Worthing	—	45	42	c	c	0.5
	Colwyn Bay	—	49	41	bc. bc.	bc.	0.5	Littlehampton	*	*	*	*	*	0.0
	Llandudno	—	49	42	c. b.	b.	0.3	Southsea	—	45	34	o	c.	0.0
	Bettws y-Coed	*	52	38	b	b	0.5	Bournemouth	0.01	47	44	o. c.	o	0.0
	Aberystwyth	—	48	44	m. o. c.	c. o.	0.5	Weymouth	—	47	44	bc. c.	oc	0.1
								Teignmouth	—	50	45	c	c	0.0
England, E.	Walton-on-the-Naze	—	42	36			0.5	Torquay	—	48	45	o	o	0.0
	Lowestoft	—	45	38	b. bc.	bc. c. o.	0.3	Paignton	—	47	44	c	c	0.0
	Felixstowe	—	44	38	cm.	cm. o.	1.0	Weston-super-Mare	—	46	38	c	c	0.0
	Southend-on-Sea	—	41	36	o	o	0.0	Ilfracombe	—	48	43	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.		Min. on Grass.	Night.	Fore-noon.	After-noon.	
			Max.	Min.		Max.							Min.						
			24 HOURS ENDED 9 A.M. TO-DAY.																
Greenwich (Royal Obsy.) ...	% 85	% 92	50	37	31	0.01	o. c.	o. c.	0.01	0.0	Dublin to 4 p.m.	—	50	48	47	o	o	od	0.0
City (Bunhill Row) ...										0.0	Plymouth to 9 p.m.	—	50	44	35	og	o	bcg	0.0
Westminster (St. James's Pk.)	83	93	50	40	35	—	o	o	0.01	0.0	Darwen "	—	47	35	34	ow.	c. o.	ow	0.0
Camden Sq. (Brit. Rainfall)	87	93	50	37	34	—	om. o	o	0.09	0.0	Manchester "	—							0.0
Hampstead (Reservoir) ...		94	48	?	37	—	o.	bc. od	od	0.0	Birmingham "	—	45	36	27	o	o	o	0.0
24 HOURS ENDED 6 P.M. YESTERDAY.																			
South Kensington ...			47	39	30	—	bc. c.	om. og.	o.	0.0									
" (Roof of M.O.)	85	93	48	39			bc. c.	om. og.	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 Dec. 1912.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.49	11.44	3.39
	7.51	11.45	3.39
Greenwich ...	7.51	11.51	3.51
	7.53	11.52	3.51
Wick ...	8.47	12.3	3.20
	8.49	12.4	3.19
Valencia ...	8.35	12.32	4.29
	8.37	12.33	4.29

In the east and south-east of England the thermometer yesterday failed to reach 45°, but at many of our western and northern stations it exceeded 50°, and at Oban it touched 55°. At a large majority of our stations there was an entire absence of bright sunshine. Rain fell in most of the western districts, and locally in the north. Wireless reports show that as far west as the 23rd meridian ships experienced southerly and south-westerly 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; 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.

1912.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

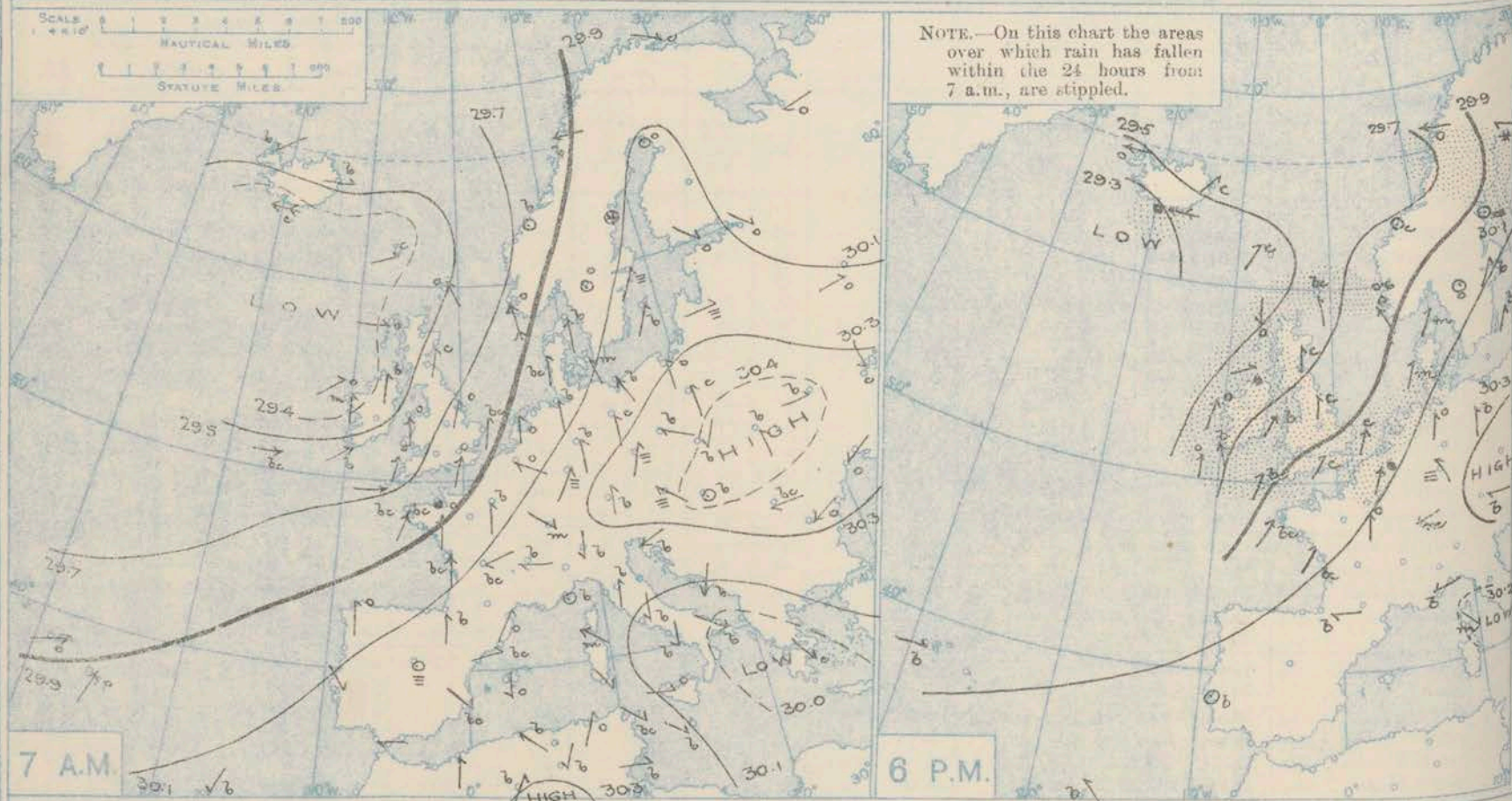
Saturday,
7th December, 1912.

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).				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	29.59	45	SE	2	b	29.67	0	SE	3	b	2	0.01	46	43	cm	bm	bc	*					
Stornoway	29.53	45	N	2	o	29.59	-0.4	47	+3	SSW	7	o	5	0.06	47	41	clpy	c.o.	clpy	0.0			
Castlebay (Barra Isd.)	29.52	46	-	0	op	29.51	-0.4	48	0	SE	5	r	5	0.10	49	44	d.c.o.	op	op.b.	0.6			
Malin Head	29.58	45	WSW	4	o	29.48	-0.3	48	+3	SSW	6	clpy	5	0.21	49	40	omp	ompq	clpy	*			
Blacksod Point	29.57	48	SSW	4	o	29.33	+0.6	54	+8	SE	8	o	6	0.49	55	46	cm	om	omq	*			
Valencia	29.63	48	SSE	4	b	29.44	0	53	+6	SSE	5	o	5	0.40	54	44	b.c.	d.c.	omr.	3.5			
Roche's Point	29.74	49	SW	3	b	29.57	*	51	+8	SW	7	o	6	0.23	51	43	b.c.	c.b.	bopfo	*			
Birr Castle	29.68	42	S	3	c	29.52	*	51	+5	SE	5	o	*	0.04	51	41	b	c	op.o	4.7			
Donaghadee	29.66	45	SSW	2	bc	29.66	-0.4	49	+1	SE	4	r	3	0.07	49	41	bop	bop	b.c.	*			
Liverpool Obsy.	29.82	44	SSW	2	b	29.86	-0.2	40	-3	SE	3	o	1	0.01	50	37	bm	bc	op	1.3			
Holyhead	29.78	47	SW	4	b	29.75	-0.1	49	0	SW	5	o	4	0.01	50	45	op	bc	cm	*			
Pembroke (St. Ann's Hd.)	29.84	49	SW	4	b	29.77	-0.2	51	+2	S	6	ogq	6	0.01	52	46	clpy	ogq	cm	1.0			
Newquay	29.90	43	S	3	b	29.81	-0.1	52	+4	S	5	c	4	0.05	52	40	bopfo	bc	b.bop	2.9			
Scilly (St. Mary's)	29.90	50	SSW	3	bc	29.77	-0.3	53	+4	S	5	og	5	0.01	54	45	b	bc	bc	4.5			
Jersey (St. Aubin)	30.01	50	SW	3	bm	30.04	*	48	-3	SSE	4	ogme	4	0.04	54	45	ogpme	bm	bopme	3.2			
Portland Bill	29.93	50	WSW	4	b	29.96	-0.1	50	-1	S	6	o	5	-	52	49	c.c.	b	c.c.	*			
Dungeness	29.94	50	SW	6	c	30.07	+0.2	48	-2	S	3	o	3	0.11	51	45	clpy	clpy	clpy	*			
Dover	29.97	49	SSW	6	c	30.10	*	47	-2	SSW	4	o	3	0.01	49	42	clpy	clpy	clpy	0.0			
Wick	29.59	45	S	4	c	29.68	+0.5	42	-1	SSW	3	c	3	0.05	45	38	om.b	cm	cm	*			
Nairn	29.55	45	SE	1	c	29.67	*	42	+8	-	0	b	1	-	50	32	ze	ze	b	0.4			
Aberdeen	29.63	46	S	3	c	29.78	+0.4	40	+1	W	1	c	2	-	46	38	c.b.	bc	clpy	0.0			
Leith	29.64	47	SW	4	c	29.77	0	47	+8	SSE	1	o	+	0.05	49	37	bop	clpy	clpy	*			
North Shields	29.74	46	S	3	c	29.88	+0.1	38	+2	SSW	3	c	2	-	48	33	c	c	c	0.0			
Spurn Head	29.82	45	SSW	4	r	29.96	0	39	-4	SSE	4	bc	4	0.05	47	38	clpy	c.c.	clpy	*			
Yarmouth	29.90	48	SSW	4	bc	30.07	+0.3	39	-7	SSW	3	bc	2	-	49	39	b	bc	bc	1.0			
Clacton-on-Sea	29.94	46	S	3	o	30.06	+0.4	44	-1	S	3	bc	2	0.05	47	40	b.c.	clpy	clpy	0.0			
Nottingham	29.85	43	SW	2	b	29.96	*	38	-8	S	1	c	*	0.03	51	34	cm.o	clpy	clpy	0.0			
Bath	29.93	44	S	1	b	29.97	*	48	-2	S	2	o	*	0.25	53	32	b.c.	clpy	clpy	2.0			
Oxford	29.97	42	SE	2	b	30.00	*	44	-5	SSE	3	o	*	0.10	51	38	clpy	clpy	clpy	*			
London (Kew Obsy.)	29.94	46	SW	2	cm	30.04	+0.1	44	-4	S	3	o	*	0.02	51	38	clpy	clpy	clpy	0.1			
Isafjord	29.49	36	E	6	o	29.48	-0.1	36	+4	E	6	o	*	*	*	*	GALES.						
Reykjavik	29.26	37	E	5	o	29.21	-0.5	39	+2	E	3	o	*	*	*	*	Duration and Extreme Force						
Vestmanna	29.27	38	E	9	r	29.21	-0.5	39	0	E	9	c	3	*	*	*	on British Coasts.						
Seydisfjord	29.56	31	SW	2	c	29.61	-0.1	32	+2	ESE	2	o	*	*	*	*							
Thorshavn	29.46	41	WSW	3	c	29.57	0	37	-4	-	0	c	*	*	*	*							
Haparanda	30.09	25	SE	2	s	29.78	-0.4	32	+13	S	4	s	*	0.20	32	19	Malin Head. 2 a.m.						
Hernösand	29.93	35	-	0	f	29.99	+0.4	32	-1	S	2	b	*	0.05	37	30							
Stockholm	30.10	36	SSW	2	b	30.13	+0.1	32	-10	SW	2	o	*	-	43	32	Extreme S-SW 8						
Wisby	30.18	39	SSW	2	b	30.05	+0.1	38	0	S	2	b	*	-	41	36	Blacksod Point 2 a.m. to 4 a.m.						
Karlstad	30.07	37	-	0	o	30.11	+0.4	37	0	-	0	f	*	-	37	36							
Færder (X'ania Fjord)	30.00	42	S	4	m	30.04	0	42	0	S	2	f	3	-	42	41	Extreme S-SW 8						
Bodö	29.71	34	E	6	o	29.76	-0.1	36	+8	E	4	r	2	0.12	36	27							
Christiansund	29.72	44	-	0	c	29.86	+0.3	43	0	-	0	o	3	-	45	41							
Skudesnaes	29.87	45	SSE	4	o	29.91	+0.1	45	+3	S	4	f	4	0.55	45	41							
The Scaw (Skagen)	30.05	41	SSW	3	m	30.06	+0.1	42	+1	SSW	3	m	1	-	42	39							
Blaavands Huk	30.04	42	SSW	2	m	30.05	+0.1	42	+2	S	2	f	1	0.05	43	40							
Cuxhaven	30.10	40	S	2	o	30.11	0	40	+8	SW	3	m	*	0.04	41	32							
The Helder	30.02	42	SSE	4	o	30.11	+0.4	43	+7	S	2	f	1	0.04	45	36							
Brussels	30.10	44	SSW	4	r	30.18	+0.4	41	+1	WSW	3	o	*	0.04	49	38							
Berlin	30.25	32	S	2	b	30.24	+0.1	30	-2	S	1	o	*	-	39	28							
Frankfurt	30.28	31	SE	1	f	30.34	+0.3	27	+3	SW	2	f	*	-	32	24							
Munich	30.32	23	E	3	b	30.40	+0.1	24	0	SW	2	f	*	-	34	21							
C. Gris Nez	29.99	47	S	5	o	30.10	+0.2	43	-4	SSE	4	c	3	0.08	50	43							
La Hève	30.02	46	SSE	4	a	30.08	*	41	-4	SSE	4	bc	4	-	52	37							
Brest (St. Mathieu)	30.02	52	WSW	4	bc	29.96	-0.2	51	0	S	4	o	3	-	55	50							
Lorient (Bec Meien)	30.02	50	SW	4	b	30.04	*	53	+3	S	4	o	4	-	55	46							
Rochefort (Ile d' Aix)	30.08	49	SW	3	bc	30.17	*	43	+2	SSE	3	o	*	-	54	41							
Biarritz	30.16	53	E	2	b	30.16	*	50	-1	SSE	2	b	5	-	61	45							
Paris	30.11	47	SSW	3	b	30.21	+0.2	39	-3	S	2	o	*	0.08	51	36							
Belfort	30.24	32	ENE	3	m	30.38	*	23	-5	-	0	m	*	-	42	23							
Lyons	30.27	34	NW	1	b	30.36	*	27	-3	SE	1	f	*	-	40	26							
Nice	30.21	42	ENE	1	b	30.25	0	40	-2	E	1	b	2	-	52	37							
Perpignan	30.21	41	NE	1	b	30.29	+0.2	38	-4	N	1	o	*	-	52	31							
Sanguinaire	30.20	50	NW	2	m	30.26	*	49	-1	ESE	2	m	2	-	57	43							
Corunna (S. a.m.)	30.23	51	-	0	b	30.25	+0.1	43	-1	NNW	4	o	6	-	55	43							
Lisbon (S. a.m.)	30.19	56	E	2	c	30.21	*	54	*	E	1	c	1	-	63	54							
Gibraltar	30.00	57	W	3	b	30.16	+0.4	55	-9	NNW	1	bc	2	-	64	55							
Azores (P. Delgada)	30.00	57	W	3	b	30.16	+0.4	55	-9	NNW	1	bc	2	-	64	55							
Azores (Horta)	30.21	60	SE	2	b	30.22	+0.2	58	0	SW	2	b	2	-	64	48							
Madeira (Funchal)	30.21	60	SE	2	b	30.22	+0.2	58	0	SW	2	b	2	-	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. 6TH DECEMBER.



GENERAL INFERENCE

WEATHER PROSPECTS.

Small depressions, secondary to the larger disturbance over the upper part of the Atlantic, are likely to approach our western coasts, so that strong or high winds from the Southward will

continue to prevail in the west and south generally. Temperature will remain above the normal, and occasional rain is probable in most districts

FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY

0 {
a Southernly winds, strong or high in places; fair at first; some rain later;
b rather milder.

1 {
a Southernly and South-Easterly
b winds, moderate or fresh; fair
at first, some rain later;
rather milder.

4 {
a Southernly winds, strong on
b coast; cloudy generally, with some rain
to-night or to-morrow; continuing 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.

South Cone hoisted at 2.40 yesterday in Districts 9 and 10.

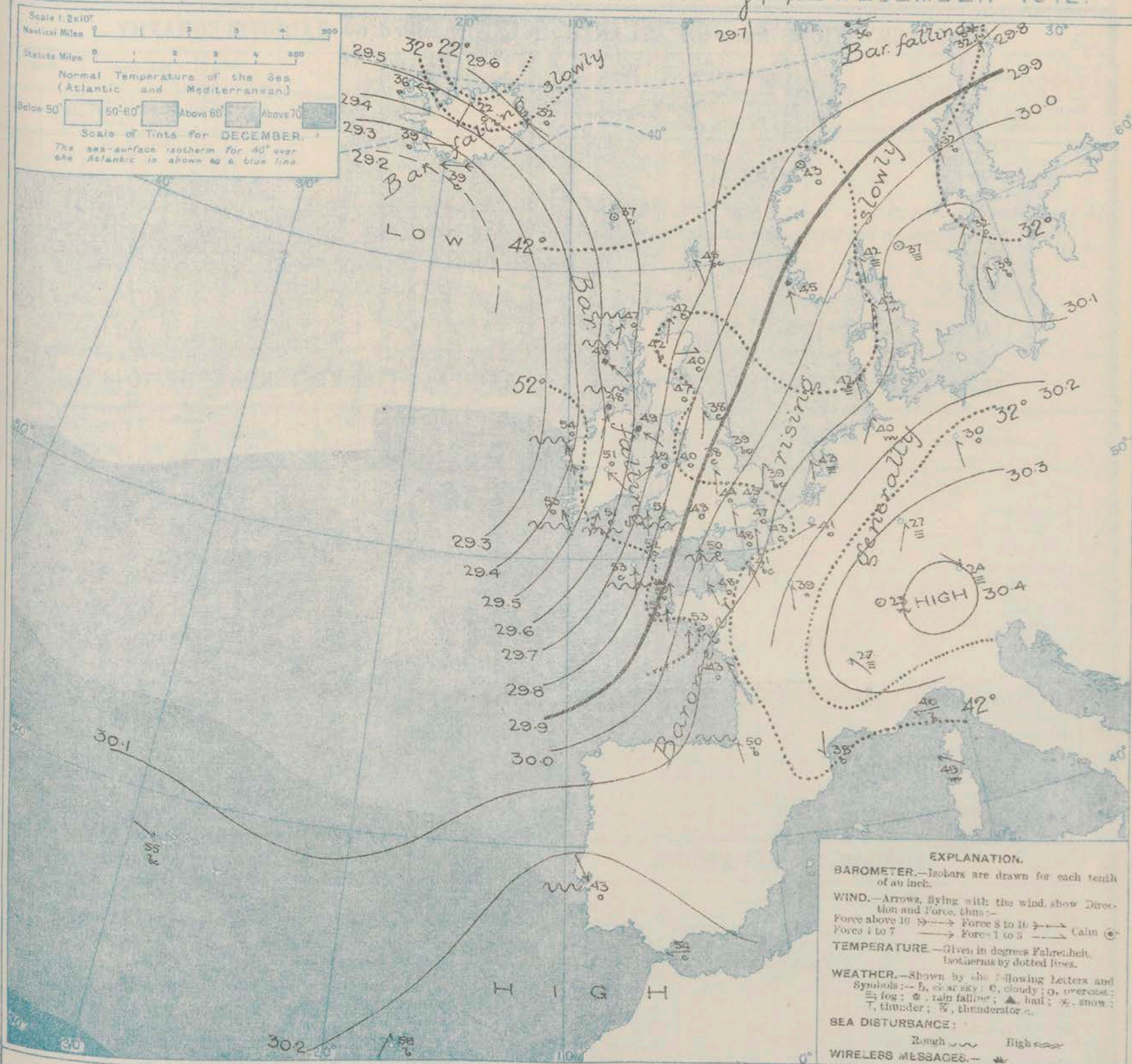
6 {
a Southernly winds, strong
b or high in force; mild;
cloudy, occasional rain.

11 WESTERN CHANNEL AND BAY.

Strong Southernly winds, and a rather rough sea; cloudy, squally, occasional rain.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Saturday, 7th DECEMBER 1912



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The general distribution of pressure remains unchanged. The barometer is highest over Bavaria, and lowest in a depression lying to the southward of Iceland. On our own extreme northwest coast the mercury is falling slightly, but over Western Europe generally a gradual rise is reported.

The wind is chiefly S.^W or S.E.^W, and is strong or high in force on our own west and southwest coasts, with a gale at Blackrod Point. E.^W winds prevail in Ireland, and blow with the force of a strong gale at

Vestmanna. The thermometer has fallen somewhat at most of the English and French stations, but risen elsewhere. Over the United Kingdom the morning readings range from 50° or slightly above it in Ireland and the southwest of England to a trifle below 40° in the north and east of England. Slight frost prevails in Sweden, and sharp frost in Central France and South Germany. The weather is fair in the eastern parts of Great Britain, but cloudy or dull elsewhere, with fog at several of the Continental stations. Rain is falling on our own extreme northwest coasts, as well as at some of the Norwegian stations, and snow at Haparanda. The sea is rough or rather rough on all our west and southwest coasts.

DAILY WEATHER REPORT.

Saturday, 7th December, 1912.

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.	Dirac.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dirac.	Force.	
7th, 7 a.m.	48 52	14 43	H.M.S.	O	29.79	-0.8	S	4	0	6th, 6 p.m.	51	11	Baltic	O	29.68	-0.8	S	6-7	0
			Dry Bulb, 55°; Wet Bulb, 54°; Sea Temperature, 55°; Sea Discomfort, 4.																
										7th, 7 a.m.	51	16	Oceanic	O	29.55	+0.4	W	6-7	0

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.	In.					Hr.	Ramsgate ...	In.					Hr.
Oban ...	0.08	49	42	c	c. of.	0.0	Margate ...	50	35				0.0
Stonehaven ...							Deal ...	51	35				0.0
St. Andrews ...		46	30	o	o	0.0	Littlestone ...	0.03	50	43	op. c.	og	0.0
Carnoustie ...							Folkestone ...						0.0
Harrogate ...		49	31	o	o c. bc	0.0	Hastings ...	0.02	49	41	bc	bc.	0.0
Scarborough ...		48	36	of	of.	0.0	Bexhill-on-Sea ...	0.01	50	45	o	o	0.0
Blackpool ...	0.01	49	37	op. b.	bc.	1.1	Eastbourne ...	0.04	50	44	e. d.	od	0.0
Southport ...	0.01	49	37	op. bc.	bc. b.	0.2	Seaford ...	0.03	52	47	og	ow	0.0
Buxton ...	0.01	47	36	c. o.	bc.	0.0	Brighton ...	0.04	52	44	c	ci	0.0
Douglas ...							Worthing ...	0.03	51	41	of. o	c. o. c.	0.1
Rhyl ...		51	38			3.6	Littlehampton ...	0.08	51	44	cp	cp.	0.0
Colwyn Bay ...		51	42	bc. b. bc.	bc.	2.8	Somerset ...						0.3
Llandudno ...	0.03	50	40	c. b.	b.	2.3	Bournemouth ...	0.15	53	43	of. bc.	bc. b.	2.4
Bettws y-Coed ...							Weymouth ...	0.10	52	43	of. cd.	bc. b.	1.0
Aberystwyth ...	0.05	49	43	d. o. c.	d. o.	1.3	Teignmouth ...	0.24	53	46	o. bc. p.	pb.	3.6
Walton-on-the-Naze ...		47	45	b. bc. c.	o. c. bc.	0.5	Torquay ...	0.23	52	48	r. bc. b.	b.	3.6
Lowestoft ...		48	43	c. o.	o. c.	1.0	Paignton ...	0.27	51	45	r. bc.	bc.	2.7
Felixstowe ...	0.02	47	37	bc. m.	m. of.	1.1	Weston-super-Mare ...	0.36	52	43	r. bc.	bc.	1.5
Southend-on-Sea ...	0.04	48	37	cp. c.	bc. f.	0.4	Ilfracombe ...	0.10	50	41	bc. b.	bc. p.	0.1

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	
	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.								
	%	%	"	"	"	In.				Hr.	
Greenwich (Royal Obs.) ...	92	94	51	37	29	0.07	o. r	of. c	c. b	0.0	
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	0.0	
Westminster (St. James's Pl.)	81	90	52	40	31	0.01	r	r. c	b. bc	0.0	
Camden Sq. (Brit. Rainfall)	86	94	52	37	30	0.01	og. o	of. c	bc c	0.0	
Hampstead (Reservoir) ...	*	96	50	40	30	0.02	c. od	od	ac. o	0.0	
			24 HOURS ENDED 6 P.M. YESTERDAY.				Night.	Fore- noon.	After- noon.		
South Kensington ...	*	*	52	40	39	0.01	}	o	odp. o	o. c. bc	0.0
" (Roof of M.O.)	83	93	52	40							

Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
		In Screen.		Min. on Grass.	Night.	Fore- noon.	After- noon.	
		Max.	Min.					
	In.							
Dublin to 4 p.m.	0.03	48	45	41	og. bc.	c. b.	b.	
Plymouth to 9 p.m.								0.0
Darwen	0.01	47	35	33	and	bc. g.	bc.	
Manchester								0.6
Birmingham	0.06	49	38	34	c.	op	c. b.	

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

7th & 8th Dec. 1912	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.51	11.45	3.39
	7.52	11.45	3.38
Greenwich ...	7.51	11.52	3.51
	7.54	11.52	3.50
Wick ...	8.49	12.4	3.19
	8.50	12.4	3.18
Valencia ...	8.37	12.33	4.24
	8.38	12.33	4.23

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to 50° and upwards at most of our western and southern stations, and to 55° at Blacksod Point. More than 3 hours of bright sunshine were recorded at many places in the west, and nearly 5 hours at Buxton; elsewhere there was little or none. Rain was experienced in most parts of England and Ireland, and at thunderstorm occurred at Bath at 1.30 p.m. Reports show that as far west as the 16th meridian ships experienced strong to high winds from between S. and W., with fair 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. 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.

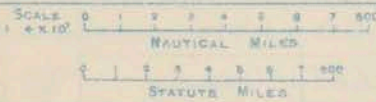
1912.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

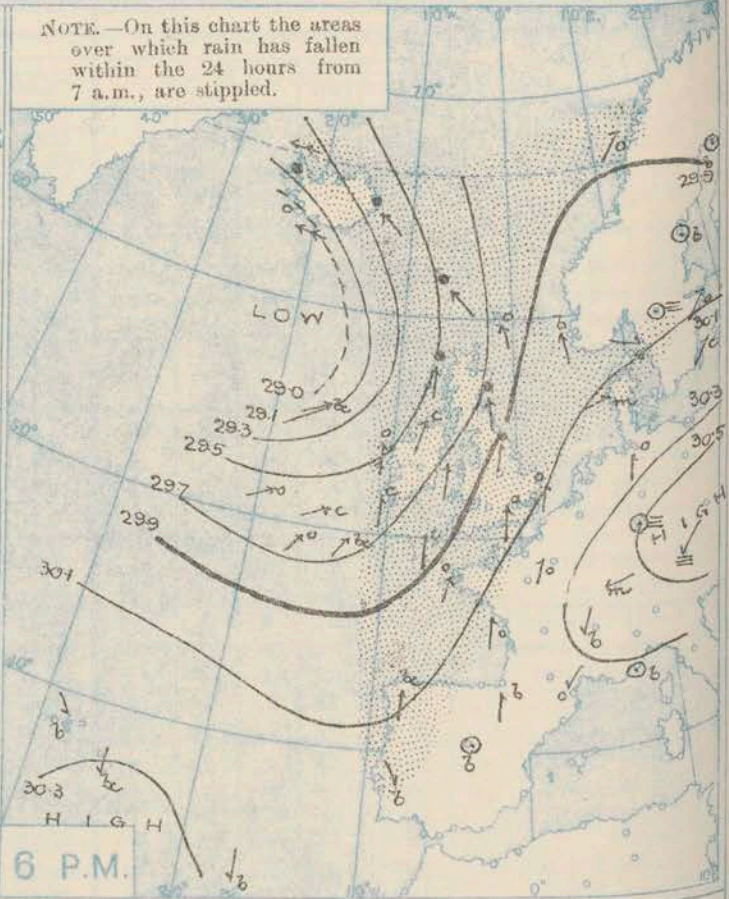
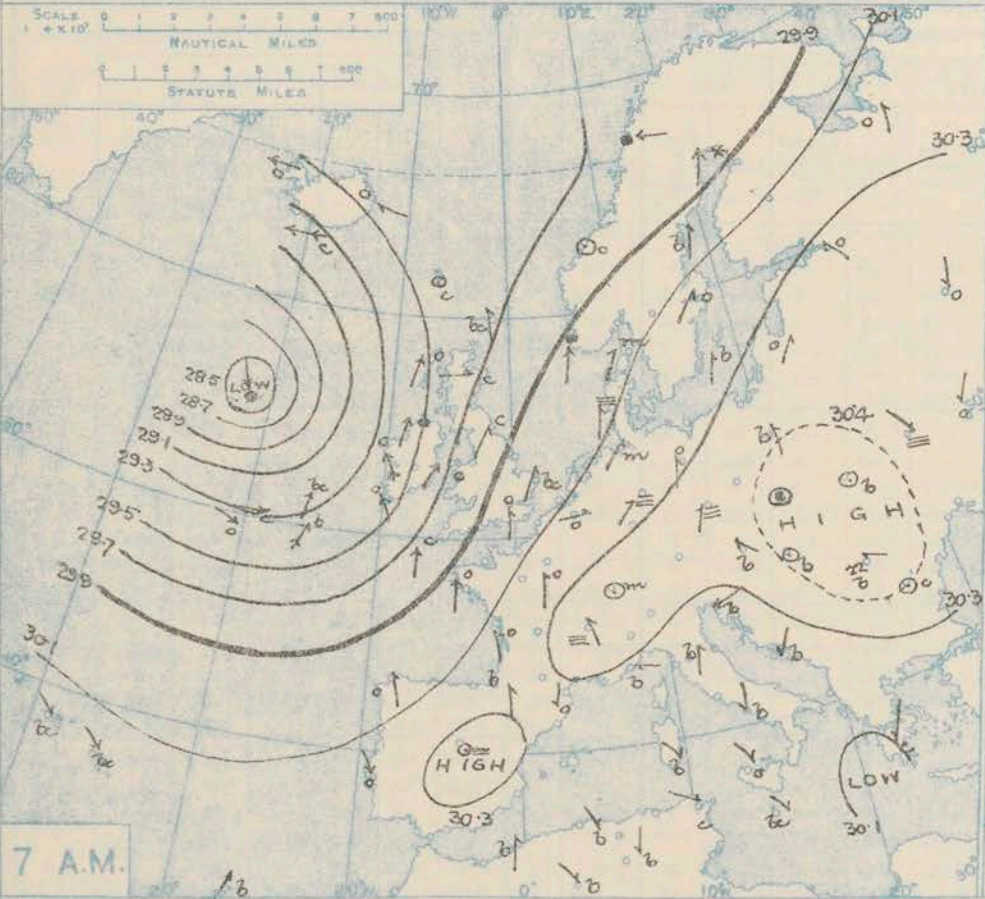
Sunday
8th December, 1912.

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 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.	
																							Hours.
BRITISH ISLANDS.	Lerwick	29.70	46	SSE	5	0	29.76	+0.01	46	+1	SSE	3	bc	3	0.15	47	44	0	om	om	bc	*	
	Stornoway	29.51	50	S	6	odg	29.70	+0.05	47	0	SW	6	bcg	5	0.12	50	47	0	odg	odg	bc	0.0	
	Castlebay (Barra Isd.)	29.50	50	SE	4	bcp	29.74	+0.06	49	+1	SSW	4	bc	5	0.10	50	48	r-op	op-bcp	bcp-bc	0.0		
	Malin Head	29.53	49	SSW	6	cmg	29.74	+0.05	44	-4	SW	3	bc	3	0.02	53	42	gmq	gmq	gmq	*		
	Blacksod Point	29.48	50	S	4	0	29.76	+0.06	47	-7	S	3	0	3	0.09	54	45	ompg	omg	opm	*		
	Valencia	29.64	51	SSE	3	c	29.86	+0.04	46	-7	SSE	2	c	4	0.10	54	44	bc	bc	or	1.6		
	Roche's Point	29.72	50	SW	3	b	29.90	*	48	-3	W	3	0	4	0.10	52	47	pa-bc	bc-b	bcp	*		
	Birr Castle	29.66	49	SSE	2	bc	29.83	*	43	-8	SSE	1	c	*	0.03	51	41	bcp	bc	cp	0.0		
	Donaghadee	29.68	48	S	3	b	29.89	+0.03	46	-3	S	3	bc	2	0.25	51	46	om	om-bc	bc	*		
	Liverpool Obsy.	29.82	48	SSW	3	b	30.00	+0.04	45	+5	ESE	2	bc	2	0.03	51	40	ogd	cp	bc	0.1		
	Holyhead	29.72	50	S	6	0	29.93	+0.04	50	+1	S	3	r	2	0.07	51	43	opm	om	opm	*		
	Pembroke (St. Ann's Hd.)	29.82	52	SSW	5	0	29.96	+0.04	51	0	SSW	5	cm	6	0.21	54	50	ogq	ogpm	ogm	0.4		
	Newquay	29.86	52	SSE	3	0	30.01	+0.02	50	-2	S	3	cm	4	0.10	54	49	o-or	bc-bc	c	1.4		
	Scilly (St. Mary's)	29.84	52	S	3	cm	29.98	+0.04	51	-2	SSW	3	cm	4	0.13	54	50	cm	cm	cm	1.8		
	Jersey (St. Aubin)	30.04	52	S	3	og	30.15	*	49	+1	SSE	3	agrm	3	0.07	54	48	oge-c	oge-co	ogm	0.8		
	Portland Bill	29.95	52	SSW	5	r	30.09	+0.01	52	+2	SSW	5	c	5	0.14	52	?	c-c	c-or	or-c	*		
Dungeness	30.05	50	SW	4	0	30.14	+0.02	50	+2	SSW	4	cp	4	Trace	51	47	c-o	o	acq-op	*			
Dover	30.09	49	SW	4	bc	30.20	*	49	+2	SSW	5	c	4	0.06	49	42	o	a-bc	bc-opr	0.0			
ICELAND & FAEROE.	Wick	29.63	46	S	5	r	29.78	+0.04	46	+4	S	2	bc	3	0.04	47	41	cmg	cmg	cmg-bc	*		
	Nairn	29.61	48	SW	2	c	29.77	*	42	0	-	0	bc	1	Trace	49	39	eg	-	bc	0.0		
	Aberdeen	29.72	46	SSE	4	r	29.87	+0.05	45	+5	SSW	2	bc	2	0.06	47	40	o	or	or-bc	0.0		
	Leith	29.71	51	SSW	3	0	29.89	+0.03	48	+1	SSE	2	bc	*	0.01	51	40	c-op	ogp	c-bc	*		
	North Shields	29.81	45	S	1	op	29.99	+0.02	44	+6	SSW	3	c	2	0.01	48	36	o	or	c	0.0		
	Spurn Head	29.91	46	SSE	6	0	30.04	+0.01	46	+7	S	4	cm	4	0.03	47	38	m-f	om	om-r-c	*		
	Yarmouth	30.05	46	S	3	0	30.11	+0.03	48	+9	S	2	c	3	0.06	48	38	bc-o	op	od-c	0.9		
	Clacton-on-Sea	30.05	45	S	4	c	30.14	+0.03	46	+2	S	3	c	2	-	47	43	bc-o	o-c	c-o-c	1.0		
	Nottingham	29.90	51	S	4	0	30.05	*	47	+9	SW	2	c	*	Trace	52	37	cm-o	op	o-c	0.0		
	Bath	29.94	54	S	4	r	30.07	*	50	+2	S	1	0	*	0.03	55	47	-	-	-	0.0		
	Oxford	29.99	51	S	3	0	30.13	*	50	+6	SSW	2	0	*	0.03	52	44	o	od	od-o	*		
	London (Kew Obsy.)	30.01	50	S	4	0	30.14	+0.03	51	+7	S	2	0	*	0.01	51	43	o-od	od-o	od-o	0.0		
	SCANDINAVIA.	Isafjord	29.29	39	E	8	r	28.87	-0.07	41	+5	SE	8	r	*	*	*	*	GALES.			Duration and Extremes Force on British Coasts.	
		Reykjavik	28.91	?	E	6	0	28.76	-0.03	41	+2	E	4	c	*	*	*	*					
		Vestmanna	28.94	42	E	9	0	28.92	+0.10	42	+3	SW	4	c	5	*	*	*					
		Seydisfjord	29.39	38	SE	4	r	29.08	-0.07	42	+10	SE	4	r	*	*	*	*					
Thorshavn		29.51	44	SSE	5	r	29.46	-0.00	47	+10	S	5	0	*	*	*	*						
Haparanda		29.88	25	-	0	b	29.84	-0.00	14	-18	E	2	f	*	-	32	12	Blacksod Point 7am-7pm. S.8.					
Hernösand		30.02	25	-	0	b	30.03	+0.01	30	-2	-	0	f	*	-	34	23						
Stockholm		30.10	36	SW	2	0	30.07	+0.01	36	+4	W	2	f	*	-	37	32						
Wisby		30.13	37	SW	2	c	30.11	+0.01	39	+1	NNW	2	0	*	-	39	34						
Karlstad		30.08	39	-	0	f	30.13	+0.02	38	+1	-	0	f	*	0.04	39	37						
Færdø (Xtania Fjord)		30.04	42	S	1	f	30.13	+0.01	36	-6	WSW	1	f	1	-	43	36						
Bodö		29.85	41	SW	2	0	29.96	+0.01	39	+3	E	1	b	2	0.16	44	34						
Christiansund																							
Skudesnaes		30.02	43	SSE	4	b	30.02	-0.00	45	0	S	6	f	5	-	45	39						
The Scaw (Skagen)		30.08	42	W	2	0	30.16	+0.01	42	0	WSW	2	f	0.04	43	39							
Blaavands Huk		30.16	42	WSW	2	m	30.19	+0.01	42	0	SW	2	f	Trace	43	41							
GERMANY, &c.	Cuxhaven	30.22	40	S	1	0	30.23	-0.00	39	-1	SSW	2	m	*	-	43	37						
	The Helder	30.15	42	SSE	4	0	30.21	+0.04	46	+3	S	4	0	1	-	46	39						
	Brussels	30.22	42	WSW	2	0	30.27	+0.04	45	+4	SSW	2	0	*	-	45	41						
	Berlin																						
	Frankfurt	30.40	26	-	0	f	30.46	+0.02	20	-7	-	0	f	*	-	32	19						
	Munich	30.47	21	NE	2	f	30.54	+0.01	16	-8	SE	2	f	*	-	28	16						
	FRANCE.	C. Gris Nez	30.10	47	SSE	5	bc	30.17	+0.02	50	+7	SSE	4	0	4	-	50				43		
		La Hève	30.10	44	S	4	b	30.20	*	50	+9	SSE	3	0	3	-	50				41		
		Brest (St. Mathieu)	29.98	52	SSW	5	0	30.12	+0.03	51	0	S	3	0	5	0.16	51				50		
		Lorient (Bec Melen)	30.04	54	SW	5	0	30.14	*	52	-1	SSE	2	f	5	0.20	55				46		
		Rochefort (Ile d' Aix)	30.17	49	S	3	0	30.19	*	44	-2	SE	3	b	*	-	50				44		
		Biarritz	30.15	57	S	3	b	30.16	*	55	+5	S	3	b	5	-	63				54		
		Paris	30.22	48	SSE	2	0	30.29	+0.02	49	0	SSE	1	bc	*	-	49				39		
		Belfort	30.36	31	ENE	4	m	30.45	*	21	-2	ENE	3	m	*	-	40				21		
		Lyons	30.35	34	-	0	b	30.41	*	27	0	NW	1	b	*	-	39				27		
		Nice	30.29	42	-	0	b	30.35	*	40	0	E	1	b	2	?	52				37		
Perpignan		30.29	47	NE	1	0	30.31	-0.00	45	+7	NE	1	0	*	-	50	38						
Sanguinaire																							
SPAIN, PORTUGAL, &c.		Corunna (8 a.m.)	30.03	59	S	6	bc	30.03	-0.00	54	-1	SSE	3	0	6	0.08	61	50					
		Lisbon (9 a.m.)	30.23	50	NNW	2	b	30.18	+0.04	54	+11	SSE	4	r	6	0.28	50	43					
		Gibraltar	30.23	56	E	2	c	30.25	*	51	-3	SE	2	baw	0	-	60	51					
		Azores (P. Delgada)	30.31	57	N	3	bc	30.36	+0.02	57	-1	N	3	0	2	-	61	55					
	Azores (Horta)	30.31	55	WNW	2	0	30.34	+0.02	59	+4	SW	4	0	2	-	63	55						
	Madeira (Funchal)	30.27	60	N	1	b	30.31	+0.02	59	+1	H	2	b	2	-	64	48						

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 7th DEC^r



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

TO NOON

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

None Issued.

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 last evening in Districts 6, and "Keep up" issued for Districts 9 and 10.

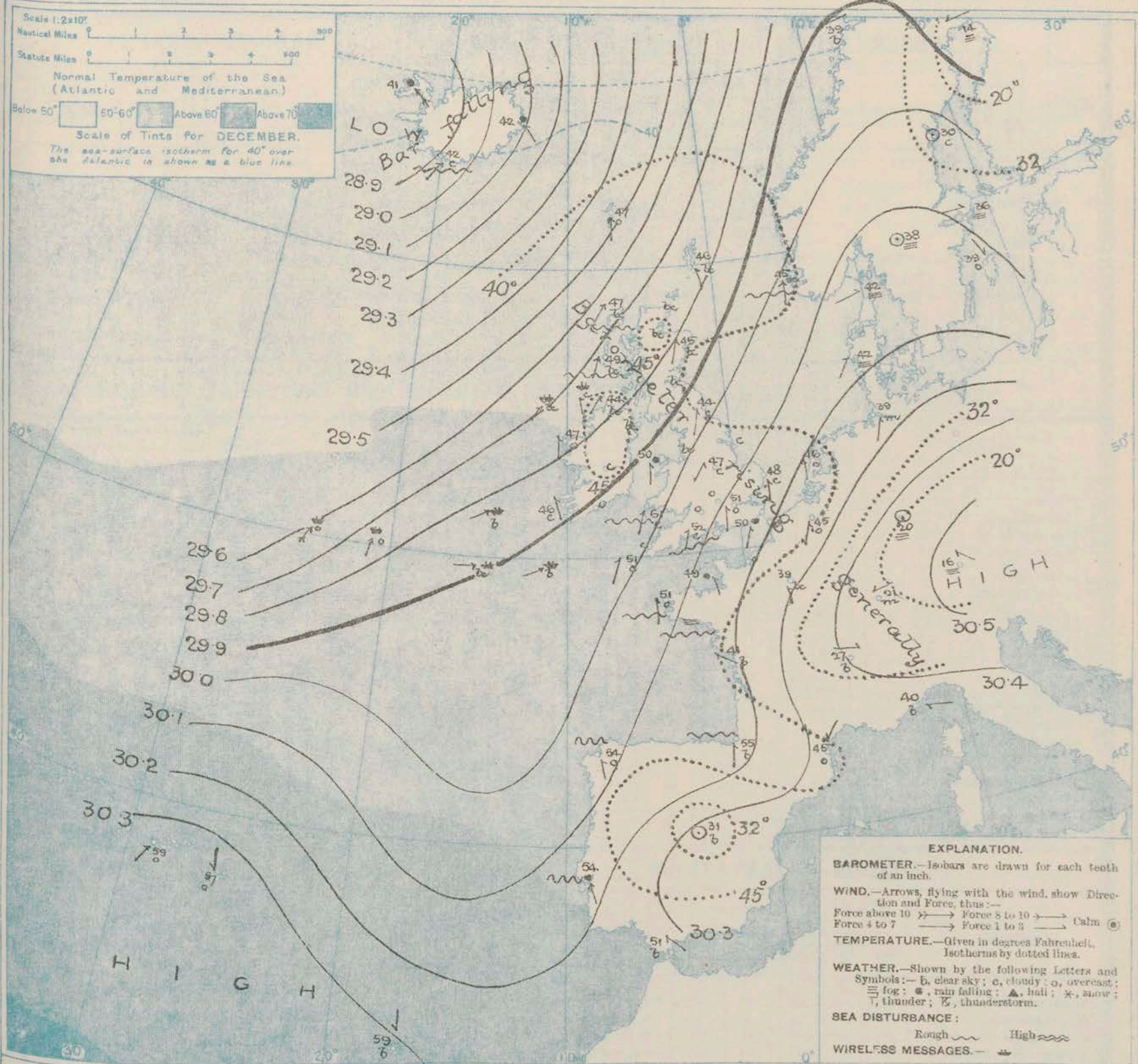
- 6 { a b
- 7 { a b
- 8 { a b
- 9 { a b
- 10 { a b

None Issued.

11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. SUNDAY, 8TH DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Barometric pressure ranges from above 30.5 in. in Bavaria to below 28.9 in. in the west of Iceland and beyond, while it is relatively low in a depression to the westward of the Spanish Peninsula.

The main wind current over the United Kingdom and its neighbourhood is Southerly, and its force light to moderate; a strong breeze is, however, reported at Stornoway and also at Skudesnaes, and a fresh breeze at some stations on the English Channel. In Iceland the wind draws into the South-Eastward, and blows a gale at Isafjord. According to wireless reports a Southerly and South-

Westerly wind, strong to a gale, prevails on the Atlantic between the 15th and 20th meridians. Temperature has fallen in Ireland, risen in Great Britain, and the readings are generally above the normal. At many English stations the thermometer is as high as 50° while the lowest values in these Islands are 43° at Burr Castle and 42° at Barm. Very hard frost prevails in South Germany and the east of France; at Munich the reading is as low as 16°. Showers are falling at Jersey and Dungeness and rain is reported at Holyhead, and over the greater portion of the Kingdom there is much cloud. At several places in Scotland and the N. of Ireland, however, the weather is fast to bright. Rain is falling at Limerick and in S. Germany, at Skudesnaes and Akerand there is fog.

DAILY WEATHER REPORT.

Sunday, 21 December 1912.

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 6pm	47 10	6 30	H.M.S.	H	29.91	+0.2	SW	4	0	7th 6pm	50	19	Baltic	O	29.66	+1.4	WNW	4-5	0
					Dry Bulb 56° Wet Bulb 56°				58				Merion	H	29.57	+2.1	WSW	6-7	0
					Sea Disturbance 3.								Baltic	O	29.24	+0.3	SSW	6-7	0
	49	12	Mesaba		29.63	+0.4	SW	6-7	bc		50	15	Montfort	O	29.31	+0.9	SW	8-9	0
	50	16	Mount Temple	H	?	?	WSW	6-7	c		50	19	Merion	H	28.92	-0.5	WSW	10-11	0
	49	16	Minnehaha	H	29.61	+0.5	WSW	4-5	0		50	19	Mount Temple	H	29.29	+2.9	W	6-7	0
	55	16	California	H	29.07	+1.9	WSW	6-7	bc		54	20	California	H	28.43	+0.8	NW	4-5	0
	50	17	Montfort	O	29.52	+0.5	W	6-7	bc		49	20	Minnehaha	H	29.33	+0.9	WNW	4-5	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.	Oban	...						England, S.E.	Ramsgate	...	50	39	*	*	0.0
	Stonehaven	...							Margate	...	48	40	0	0	0.0
	St. Andrews	...							Deal	...	48	38	0.0	0	0.0
	Carnoustie	...							Littlestone	...				0	0.0
England, N.E.	Harrogate	...	47	36	0	0.0	0.0	England, S.W.	Folkestone	...	49	44	0	0	0.0
	Scarborough	...							Hastings	...	50	42	0	0	0.0
	Blackpool	...	0.02	50	37	0	0.0		Bexhill-on-Sea	...	50	44	0.0	0	0.0
	Southport	...	0.04	50	37	0.0	0.0		Eastbourne	...	51	44	0	0	0.0
England, N.W.	Buxton	...	0.01	48	36	0.0	0.0	England, S.W.	Seaford	...	50	45	0	0	0.0
	Douglas	...							Brighton	...	51	39	0	0	0.0
	Rhyl	...	0.03				0.0		Worthing	...	51	37	0	0	0.0
	Colwyn Bay	...	0.10	55	44	0	0.0		Bognor	...					0.0
Wales.	Llandudno	...					0.0	England, S.W.	Southsea	...					0.0
	Bettws y Coed	...					0.0		Bournemouth	...	0.05	52	40	0.0	0.0
	Aberystwyth	...	0.10	53	44	0.0	0.0		Weymouth	...	0.01	53	46	0.0	0.0
	Walton-on-the-Naze	...	0.07	46	44	0	1.8		Teignmouth	...	0.16	54	42	0	0.0
England, E.	Lowestoft	...					0.0	England, S.W.	Torquay	...					0.0
	Felixstowe	...	0.01	46	37	0.0	2.9		Paignton	...	0.19	56	37	0	0.0
	Southend-on-Sea	...	0.03	47	40	0.0	0.0		Weston-super-Mare	...	0.05	55	43	0.0	0.0

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rainfall.	WEATHER.			Sunshine for Yesterday.
	3 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.	24 HOURS ENDED 6 P.M. YESTERDAY.	24 HOURS ENDED 9 A.M. TO-DAY.	
Greenwich (Royal Obsy.)	90	93	51	46	43	0.01	0	0.0	0.0
City (Bunhill Row)									0.0
Westminster (St. James's Pk.)	87	92	52	48	43	0.01	0.0	0.0	0.0
Camden Sq. (Brit. Rainfall)	96	93	51	47	46	0.01	0.0	0.0	0.0
Hampstead (Reservoir)		99	50	46	38		0.0	0.0	0.0
South Kensington			52	42	30	0.0	0.0	0.0	0.0
" (Roof of M.O.)	88	93	51	42		0.0	0.0	0.0	0.0

Additional Observations for Yesterday.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		
		In Screen.	Min. on Grass.	Night.	Forenoon.	Afternoon.
		Max.	Min.			
Dublin to 4 p.m.	0.01	55	46	42	0.0	0.0
Plymouth to 9 p.m.	0.11	53	49	41	0.0	0.0
Darwen	0.04	48	35	31	0.0	0.0
Manchester	Trace	52	40		0.0	0.0
Birmingham	0.01	50	37	29	0.0	0.0

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

389 Dec. 1912.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 7.52 7.53	G.M.T. 11.45 11.45	G.M.T. 3.38 3.38
Greenwich	7.54 7.55	11.52 11.52	3.50 3.50
Wick	8.50 8.52	12.44 12.44	3.18 3.17
Valencia	8.38 8.39	12.33 12.33	4.28 4.28

NOTES ON YESTERDAY'S WEATHER.

During yesterday's thermometrical readings above 50° were very general over these Islands, and in most localities the night was very mild. Rain, in slight or moderate quantities, has fallen at almost all our stations, and little bright sunshine has been recorded. Over a large area the day was sunless, but at a few places in the south-west and south-east the weather was brighter; at Felixstowe the sun shone for 2.9 hours. Windless reports show that ships experienced fresh to strong winds as far west as the 20th 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; 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.

1912.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

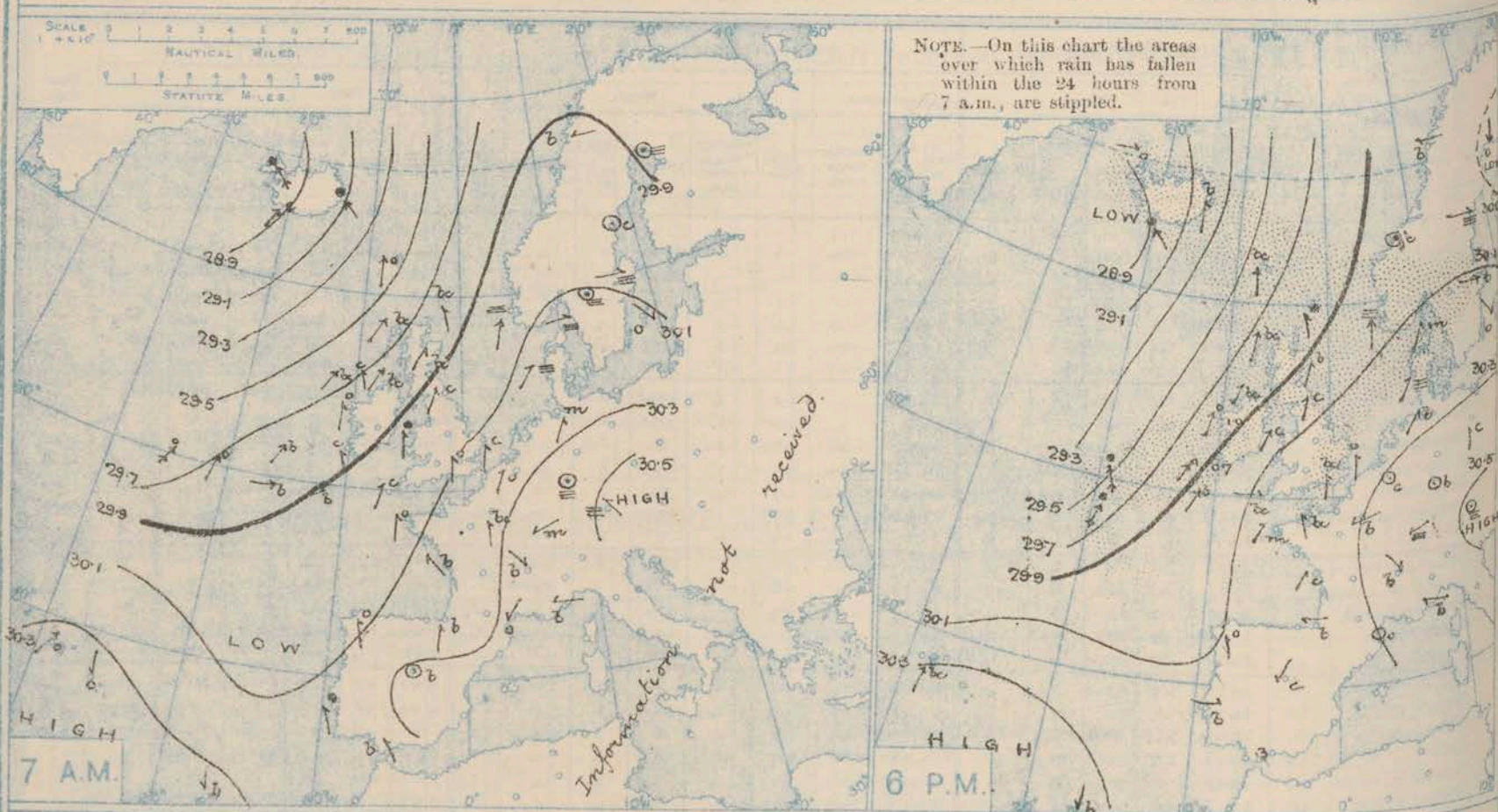
Monday,
9th December, 1912.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
		Barom.	Temp.	Wind.	Force	Weather.	Barometer.	Temp.	Wind.	Force	Weather.	Sea	Rain- fall.	Temp.		Weather.							
														At 32° Fabr. and M.S.L. Lat. 45°.	Dry Bulb.	Dirac. (0 to 12).	Max.	Min.	Mora'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.	"	"	(0 to 12).		In.	In.	"	"	Dirac. (0 to 12).	Weather.	(0 to 9).	In.	"	"	Mora'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.	Hours.			
Lerwick		29.83	47	SSE	3	r	29.71	-0.4	46	0	SSE	5	c	3	0.01	48	42	b	bc	bc	*		
Stornoway		29.81	46	SSW	5	bc	29.48	-1.2	46	-1	SSW	8	r	6	0.17	48	41	bc	bc	bc	1.1		
Castlebay (Barra Isd.)		29.82	49	SSW	4	bc	29.50	-1.0	47	-2	SE	7	r	7	0.13	49	43	bc	bc	bc	0.4		
Malin Head		29.87	43	SW	3	bc	29.47	-1.3	46	+2	SW	9	rq	5	0.03	48	42	bc	bc	bc	*		
Blackrod Point		29.84	49	SSW	6	o	29.47	-0.4	50	+3	S	9	r	6	0.08	50	47	bc	bc	bc	*		
Valencia		30.01	48	S	4	b	29.66	-0.7	51	+5	SSE	6	r	6	0.66	52	46	bc	bc	cm	3.8		
Roche's Point		30.08	49	NW	1	b	29.83	*	50	+2	SSW	8	r	6	0.25	51	43	b. bc	bc	b. o. b	*		
Birt Castle		30.00	43	S	1	b	29.71	*	48	+5	SSE	6	r	*	0.08	49	41	cp. b.	b	c. bc	4.9		
Donaghadee		30.02	42	WSW	1	b	29.80	-0.8	47	+1	S	3	o	2	Trace	50	40	bc	bc	bc	*		
Liverpool Obsy.		30.09	46	SSW	2	b	30.00	-0.4	43	-2	SSE	3	c	2	-	51	39	o. c	c	bc	0.6		
Holyhead		30.05	48	SW	4	c	29.93	-0.2	49	-1	SW	6	o	4	0.21	51	47	bc	bc	b	*		
Pembroke (St. Ann's Hd.)		30.11	49	SW	3	bc	30.00	-0.3	50	-1	SSW	6	cq	6	Trace	52	47	cm	c	bc	1.9		
Newquay		30.16	44	S	2	b	30.09	-0.2	46	-4	S	2	b	3	-	54	40	b	b	b	2.7		
Scilly (St. Mary's)		30.16	49	W	2	bc	30.07	-0.2	50	-1	SSW	5	cm	4	-	54	47	bc	bc	bc	3.8		
Jersey (St. Aubin)		30.24	43	SSE	2	cm	30.23	*	48	-1	SSE	1	ogme	1	0.06	51	44	bc	bc	b. ogme	0.1		
Portland Bill		30.18	52	SSW	3	c	30.17	-0.1	51	-1	SSW	3	bc	4	0.01	53	44	od. c	cg	bc	*		
Dungeness		30.21	51	SSE	4	op	30.20	-0.2	47	-3	SSE	3	bc	3	Trace	51	45	o. c	c. op	c. bc	*		
Dover		30.26	50	SSW	4	bc	30.24	*	45	-4	SW	2	b	2	0.03	51	44	c. bc	op	bc	0.2		
Wick		29.86	42	SSW	3	bc	29.63	-1.1	45	-1	S	5	c	4	0.01	47	40	bc	cp. bc	c	*		
Nairn		29.89	40	-	0	bc	29.63	*	46	+4	SSW	3	o	2	0.01	48	38	bc	bc	og	1.8		
Aberdeen		29.94	44	SSW	2	b	29.79	-0.8	45	0	S	3	o	2	-	48	41	c. o	cm. b	b. o	0.0		
Leith		29.96	46	-	0	r	29.79	-0.8	47	-1	SSW	5	c	*	0.26	51	41	bc. o	cm. pg	c	*		
North Shields		30.05	46	SSW	3	c	29.99	-0.3	41	-3	S	2	c	2	-	49	38	c	o	c	?		
Spurn Head		30.13	46	SSW	3	o	30.10	-0.4	42	-4	S	4	o	3	0.02	48	40	cm	op	cm. bc	*		
Yarmouth		30.19	49	S	2	o	30.22	-0.1	44	-4	SSE	2	bc	2	Trace	51	43	c. cm	cm	cm. bc	0.0		
Clacton-on-Sea		30.22	46	SSW	2	c	30.19	-0.3	44	-2	WNW	1	c	1	0.02	49	43	cp	cp	c	0.0		
Nottingham		30.13	48	SW	1	b	30.10	*	44	-3	SW	4	o	*	0.05	52	39	c. cm	cm. bc	b	0.0		
Bath		30.18	52	SSW	1	o	30.17	*	48	-2	S	1	o	*	0.06	55	42	-	-	-	0.0		
Oxford		30.22	49	SW	2	bc	30.18	*	45	-5	SSW	3	og	*	Trace	53	42	o	op	o. bc	*		
London (Kew Obsy.)		30.23	50	S	3	bc	30.19	-0.1	46	-5	S	2	om	*	Trace	52	44	od. o	od. bc	bc. cm	0.0		
Isafjord		28.91	39	W	2	o	28.72	+0.6	39	-2	-	0	c	*	*	*	*	*	*	*			
Reykjavik		28.79	40	E	4	c	28.75	-0.0	37	-4	-	0	o	*	*	*	*	*	*	*			
Vestmanna		28.90	41	SE	7	r	28.78	-0.2	38	-4	SE	1	c	5	*	*	*	*	*	*			
Seydisfjord		29.18	44	S	2	b	28.88	-0.3	39	-3	SW	2	c	*	*	*	*	*	*	*			
Thorshavn		29.60	45	SSW	5	bc	29.30	-1.1	45	-2	S	8	r	*	*	*	*	*	*	*			
Haparanda		29.93	25	N	4	o	30.03	+0.4	25	+11	N	4	b	*	-	25	12						
Hernösand		30.04	30	W	2	f	30.12	+0.1	28	-2	N	2	b	*	-	34	27						
Stockholm		30.10	38	W	4	o	29.99	-0.2	36	0	NNW	4	o	*	Trace	38	34						
Wisby		30.20	41	NW	2	o	30.02	-0.8	39	0	WSW	2	e	*	-	41	37						
Karlstad		30.16	40	-	0	o	29.99	-0.6	39	+1	-	0	r	*	0.24	43	37						
Færder (XVania Fjord)		30.15	42	SSW	2	o	29.96	-0.3	39	+3	W	3	f	2	0.32	41	36						
Bodö		30.06	32	E	2	b	30.04	+0.1	30	-9	E	2	b	1	-	39	28						
Christiansund		29.97	42	-	0	c	29.94	+0.1	41	?	-	0	o	3	-	43	39						
Skudesnaes		30.03	45	S	6	f	30.00	-0.1	44	-1	SSW	4	o	4	0.16	45	43						
The Scaw (Skagen)		30.15	43	SSW	2	m	30.03	-0.1	45	+3	W	3	m	1	0.08	45	41						
Blaavands Huk		30.21	44	SW	2	f	30.14	-0.0	44	+2	W	2	m	2	0.16	45	41						
Cuxhaven		30.26	44	SW	1	b	30.22	-0.1	43	+4	WSW	1	o	*	-	45	39						
The Helder		30.26	46	S	4	e	30.23	-0.1	43	-3	S	3	c	3	-	46	43						
Brussels		30.33	44	-	0	c	30.29	-0.0	32	-13	SSE	1	b	*	-	53	30						
Berlin		30.37	35	S	1	c	30.29	-0.3	37	-0.3	SW	1	c	*	-	39	34						
Frankfurt		30.45	27	-	0	b	30.41	-0.1	20	0	SW	1	f	*	-	32	18						
Munich		30.51	22	-	0	f	30.50	-0.1	19	+3	SSE	3	f	*	-	23	16						
C. Gris Nez		30.26	50	SSE	3	o	30.23	-0.1	40	-10	S	4	b	2	-	54	39						
La Hève		30.25	48	SE	4	bc	30.22	*	41	-9	S	3	b	2	-	54	37						
Brest (St. Mathieu)		30.26	52	SW	1	m	30.24	-0.1	51	0	S	3	o	5	-	55	48						
Lorient (Bec Melen)		30.23	49	SE	2	o	30.24	*	51	-1	SSE	2	o	5	-	55	45						
Rochefort (Ile d'Alx)		30.23	46	SE	3	c	30.29	*	39	-2	SE	3	b	*	-	52	39						
Biarritz		30.20	54	E	2	b	30.28	*	46	-9	SE	2	b	4	-	61	45						
Paris		30.30	38	NE	2	b	30.30	+0.2	27	-12	S	1	b	*	-	52	27						
Belfort		30.46	28	ENE	4	m	30.47	*	19	-2	ENE	2	m	*	-	34	19						
Lyons		30.38	35	NW	1	b	30.43	*	27	0	WSW	1	m	*	-	39	26						
Nice		30.34	42	E	1	b	30.33	-0.0	41	+1	-	0	b	2	-	52	39						
Perpignan		30.30	50	-	0	o	30.34	+0.4	37	-8	W	1	b	*	-	57	35						
Sanguinaire																							
Corunna (S.A.M.)		30.10	58	SSE	3	o	30.25	-0.0	46	-8	SSE	2	bc	3	0.28	59	39						
Lisbon (S.A.M.)		30.19	50	W	1	b	30.30	+0.7	47	-7	WSW	4	o	6	Trace	57	45						
Gibraltar		30.19	55	SE	1	r	30.19	*	53	+2	E	1	c	1	1.25	62	50						
Azores (P. Delgada)																							

* 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. 8TH DEC.



GENERAL INFERENCE

The secondary depression which is approaching our north-west coasts is likely to move northeastwards. Increasing winds from S., veering to S.W. or W., are probable

WEATHER PROSPECTS.

over the United Kingdom generally, with gales in the west and north. Rainy weather will extend gradually to all districts.

FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY

0 } S.W. to S.W. winds, increasing to a gale; cloudy, squally, occasional rain; remaining mild.

1

2 } S.W. to S.W. winds, increasing

3 } considerably in force; fair at first,

4 } some rain later; continuing 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 at 8.30 a.m.

6 } S.W. to W. gales and strong winds; squally and rainy at first, improving temporarily later, and becoming rather cooler.

7

8 } S.W. to W. winds, increasing in strength; squally and showery at first, improving later, and becoming rather cooler.

9

10 } Same as Nos. 6 & 7.

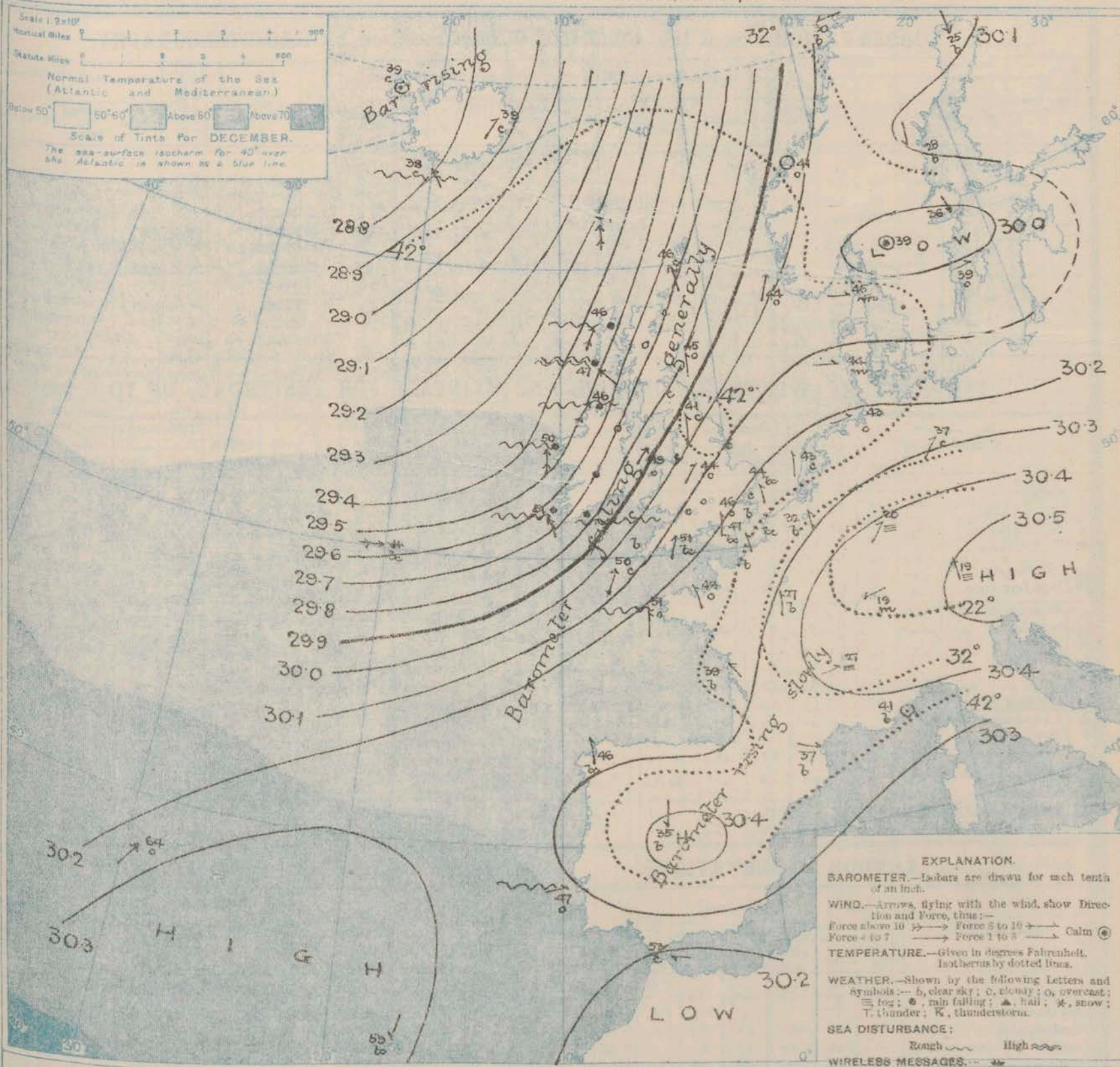
11 WESTERN CHANNEL AND BAY.

Strong or high S. and S.W. winds, and a rough sea; fair at first, some rain later; continuing mild.

THE FURTHER OUTLOOK. (all Districts)

Rough, changeable weather is likely to continue

SYNOPTIC CHART FOR 7 A.M. MONDAY, 9th DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Barometrical pressure remains highest in an anticyclone lying over Central Europe, and lowest in a depression over Western Ireland. A deep secondary disturbance is approaching our own northwest coasts, and is occasioning a brisk fall of the mercury over the northern parts of the United Kingdom generally.

S.W. and S.W. winds prevail over the whole of these islands and northward as far as Iceland, and blow with the force of a gale in Ireland and the Hebrides, as well as in the Faeröe. Light S.W. or S.E. breezes are

reported over France and the Netherlands. Temperature has fallen somewhat over England, France and the Netherlands, risen in most other countries. Over the United Kingdom the morning readings range from 50° or a trifle above it on our extreme west and southwest coasts to a trifle above 40° on the northeast coast of England. Sharp frost prevails over Central France and South Germany. The weather is fine on the south and east coasts of England, as well as in France and the Netherlands. Elsewhere the sky is cloudy or overcast, with rain in Ireland, the Hebrides and the Faeröe. The sea is high off the Southern Hebrides rough on our western coasts generally.

DAILY WEATHER REPORT.

Monday, 9th December, 1912.

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.	Long.			Reading.	Change in 3 hours.	Dir.	Force.			Lat.	Long.			Reading.	Change in 3 hours.	Dir.	Force.	
	N.	W.			In.	In.	(0-12).	(0-12).			N.	W.			In.	In.	(0-12).	(0-12).	
9th 7am	50	19	Mauvefania	O	29.58	+15	W	8-9	bc	8th 7am	51	15	Virginian	O	29.85	+05	WSW	4-5	b
8th 6pm	51	12	Mount Temple	H	29.84	-05	SSW	6-7	o	"	55	9	Pretorian	O	29.76	+03	SSW	1-2	c
"	50	10	Canada	O	29.09	+02	SW	4-5	b	"	55	11	California	H	29.66	+12	SW	6-7	b
"	51	11	Ziturnian	O	29.52	-04	WSW	6-7	o	"	49	11	Minnehaha	H	29.98	+09	WSW	1-3	c
"	51	19	Mesaba	O	29.88	-15	SSW	8-9	r	"	50	20	Montfort	O	29.72	-02	SSW	6-7	c
"	49	19	"	O	29.58	-08	SW	10-11	r	"	50	23	Merion	H	29.60	00	SW	8-9	c
7am	49	15	"	O	29.55	+05	W	6-7	b	"	50	23	Baltic	O	29.60	-14	SSW	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.		In.					Hr.	England, S.E.		In.					Hr.
{ Oban ...								{ Ramsgate ...			52	44		bc	0.5
{ Stonehaven ...								{ Margate ...		0.02	52	44	bc	bc.c	0.7
{ St. Andrews ...								{ Deal ...		0.03	52	47	sp.c		0.0
{ Carnoustie ...								{ Littlestone ...							0.0
Engl. N.E.								{ Folkestone ...		0.05	50	47	om	c	0.1
{ Harrogate ...		0.01	50	42	bc.c	c.bc	0.3	{ Hastings ...		0.07	51	48	or	c.c.c	0.3
{ Scarborough ...			50	45	c.b	c.b	0.5	{ Bexhill-on-Sea ...		0.08	50	48	oe.c.c	sp.o	0.0
Engl. N.W.								{ Eastbourne ...		0.04	52	49	oe		0.0
{ Blackpool ...		0.02	50	45	o	c	0.0	{ Seaford ...		0.06	51	48	po	om.o	0.0
{ Southport ...		0.03	50	46	o.bc.c	bc.boc	0.0	{ Brighton ...		0.04	51	48	or		0.0
{ Buxton ...								{ Worthing ...		0.03	51	49	o		0.0
{ Douglas ...								{ Littlehampton ...							0.3
Wales.								{ Southsea ...		0.06	52	47	o.c	c.c.c.c	0.0
{ Rhyl ...		0.01	54	42	b	bc	1.9	{ Bournemouth ...			52	48	o		0.0
{ Colwyn Bay ...			54	48	bc.c.bc	bc	2.5	Engl. S.W.							
{ Llandudno ...		0.01	54	47	bc	b	3.3	{ Weymouth ...		0.09	54	51	o.c.c	3.bc	0.3
{ Bettws y-Coed ...								{ Teignmouth ...		0.12	56	50	c	c	0.1
{ Aberystwyth ...		0.10	53	48	o.bc	bc.c	2.2	{ Torquay ...		0.12	54	51	c.o	c.bc	0.1
Engl. E.								{ Paignton ...		0.06	55	51	r.c	c	0.2
{ Walton-on-the-Naze ...		0.01	48	41	bc.c	our	0.0	{ Weston-super-Mare ...		0.10	54	47	r.bc	b.bc	0.1
{ Lowestoft ...		0.05	51	45	c.o.c	c.o	0.1	{ Bifracombe ...			54	48	c.bc.b	b.bc.c	1.4
{ Felixstowe ...		0.02	56	44	sp	sp	0.0								
{ Southend-on-Sea ...		0.02	52	43	c.or	b.bc	1.2								

LONDON OBSERVATIONS.

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 Obsy.)...	% 81	% 94	53	45	36	-	o.c	o.c	o.c	Hr. 0.0
City (Rushmill Row) ...	"	"	"	"	"	"	"	"	"	0.0
Westminster (St. James's Pk.)	80	95	53	46	37	-	bc	oe	oe.bc	0.0
Camden Sq. (Brit. Rainfall)	-	96	53	45	37	-	o	ogm	o	0.0
Hampstead (Reservoir) ...	"	99	50	46	38	-	c.b	c.b	bc.oe	0.0
			24 HOURS ENDED 6 P.M. YESTERDAY.				Night.	Fore-noon.	After-noon.	
South Kensington ...	"	"	52	50	47	Trace	og	oap.o	o	0.0
" " (Roof of M.O.)	-	95	53	50	"	"	"	"	"	0.0

Additional Observations for Yesterday.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.			Sunshine
		In Screen.	Min. on Grass.	Night.	Forenoon.	Afternoon.	
		Max.	Min.				
		24 HOURS ENDED 9 A.M. TO-DAY.					
Dublin to 4 p.m.	0.01	51	46	43	o.c.b	p.b	b
Plymouth to 9 p.m.							
Darwen "							
Manchester "							
Birmingham "	0.02	50	45	41	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.

9th December, 1912.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.53	11.45	3.38
	7.54	11.46	3.37
Greenwich ...	7.55	11.52	3.50
	7.56	11.53	3.50
Wick ...	8.52	12.4	3.17
	8.53	12.5	3.17
Valencia ...	8.39	12.33	4.28
	8.40	12.34	4.28

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to 50° and upwards over a large portion of the United Kingdom, to 55° at Bath and Brighton and to 56° at Teignmouth. Little or no bright sunshine was recorded in the eastern and central parts of Great Britain, but at some of our western stations the amount was fairly large for the time of year. Wireless reports show that as far west as the 23rd meridian ships experienced strong winds and gales from the south-westward, with cloudy weather and rain in places.

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.

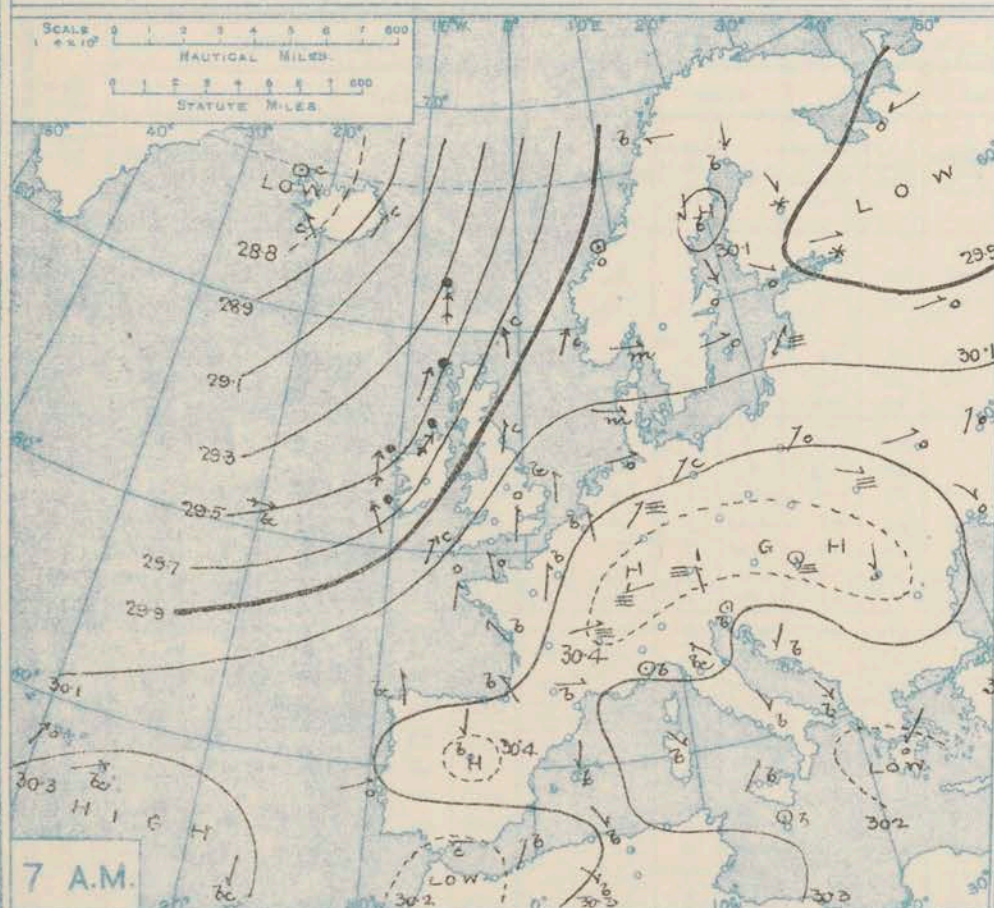
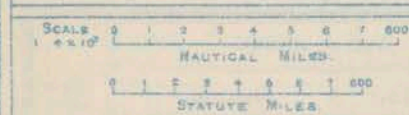
ber. 1912.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

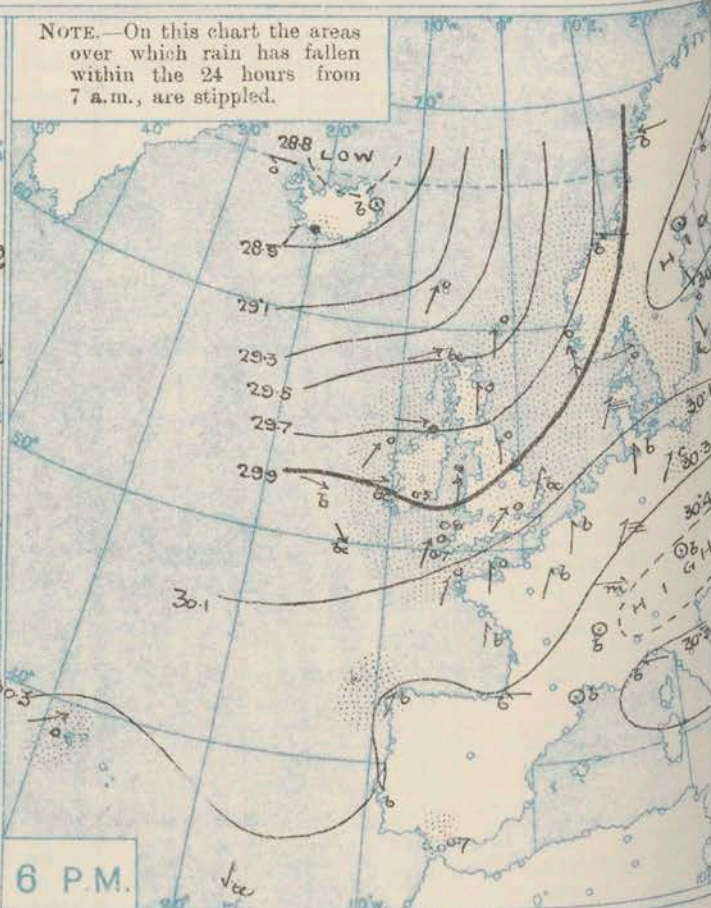
Tuesday,
10th December, 1912.

10th September, 1912.																						
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 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.				
BRITISH ISLANDS.																						
Lerwick	29.39	46	S	6	o	29.72	+0.4	43	-3	SSW	5	bc	5	0.20	47	40	omr	or	bcp	*		
Stornoway	29.54	44	WSW	6	bc	29.78	+0.4	40	-6	W	4	bc	4	0.23	50	39	o c	o bcp	bcq	0.0		
Castlebay (Barra Isd.)																						
Malin Head	29.67	46	W	6	o	29.92	+0.4	42	-4	W	4	cq	4	0.07	51	40	o qm	o q	c q	*		
Blacksod Point	29.78	47	SW	6	o	29.94	+0.0	45	-5	SW	4	o	3	0.20	52	40	o qm	o qm	o qm	*		
Valencia	29.92	49	W	3	bc	30.03	-0.1	36	-15	NE	1	b	4	0.25	54	35	om	o bc	bc	0.0		
Roche's Point	29.92	49	NW	1	o	30.05	*	40	-10	N	1	bc	3	0.45	53	39	r-o	o p	b. bc	*		
Birr Castle	29.86	45	SW	1	c	30.00	*	36	-12	S	1	b	*	0.21	52	35	or	c	b. x	0.0		
Donaghadee	29.75	46	WSW	3	cp	29.99	+0.2	37	-10	WSW	1	o	1	0.22	50	37	or	cp	b. o	*		
Liverpool Obsy.	29.85	49	SW	5	r	30.06	+0.5	42	-1	WSW	1	o	1	0.05	52	41	c	or	o	0.0		
Holyhead	29.82	51	S	4	r	30.03	+0.2	44	-5	NW	2	bc	1	0.27	51	43	o. r	r	bc	*		
Pembroke (St. Ann's Hd.)	29.89	51	SSW	4	r	30.02	+0.4	45	-5	N	2	og	4	0.39	52	44	c q	o qm	o qm	0.0		
Newquay	29.97	51	S	4	o	30.02	+0.1	47	+1	E	1	o q	3	0.58	51	46	b. o. r	or	or	0.0		
Scilly (St. Mary's)	29.94	52	SSW	5	omr	30.00	+0.1	49	-1	NE	3	omr	4	0.67	54	43	o qm	o qm	omr	0.0		
Jersey (St. Aubin)	30.18	51	S	3	o qm	30.10	*	51	+3	S	3	og	3	0.01	52	46	em	em sm	bc-ogp	0.8		
Portland Bill	30.07	52	SW	5	r	30.03	+0.4	50	-1	WNW	3	c	4	0.32	52	?	bc-c	c. or	or. d. c	*		
Dungeness	30.10	49	SW	4	au	30.01	+0.0	49	+2	SSW	6	or	4	Trace	50	46	c. o	o	c. or	*		
Dover	30.14	48	WSW	4	c	30.07	*	48	+3	S	4	r	5	0.13	49	44	b. bc	o	c. or. om	0.0		
Wick	29.51	47	SSW	4	r	29.79	+0.5	40	-5	S	3	c	3	0.05	48	37	om	om om	bc-c	*		
Nairn	29.56	45	W	2	o	29.83	*	40	-6	W	1	bc	1	0.07	50	36	eg	r-o	bc. bc	0.0		
Aberdeen	29.59	48	S	3	o	29.90	+0.2	38	-7	WSW	1	o	2	0.03	49	37	op	op	cp. bc. o	0.0		
Leith	29.64	51	SW	3	o	29.93	+0.5	41	-6	SW	2	o	*	0.03	52	40	o. cp	ogp	c. bc	*		
North Shields	29.76	48	SSE	3	o	30.00	+0.3	39	-2	SW	2	c	2	-	51	37	o	o	o. c	*		
Spurn Head	29.90	46	S	5	.o	30.01	+0.2	43	+1	WNW	3	om	3	0.09	47	40	bc	c. or	or. c	*		
Yarmouth	30.06	48	SSW	3	bc	29.99	+0.0	49	+5	SW	2	r	2	0.25	49	43	bc-c	o bc	omr	0.9		
Clacton-on-Sea	30.09	46	S	3	o	30.04	+0.0	45	+1	ESE	2	o	2	0.14	46	43	bc-og	og	og. d	1.0		
Nottingham	29.92	50	SW	5	o	30.02	*	43	-1	W	1	cp	*	0.15	50	42	o. c	or	o. c	0.1		
Bath	30.02	51	SW	5	r	30.05	*	47	-1	N	1	o	*	0.20	54	46	-	-	-	0.4		
Oxford	30.01	51	SSW	5	o	30.05	*	46	+1	N	2	o	*	0.29	51	44	og. bc	od	od. r. o	*		
London (Kew Obsy.)	30.07	50	SW	4	o	30.01	+0.1	50	+4	SSW	1	or	*	0.17	52	45	om. co	om. d. co	o. or	0.1		
ICELAND & FAEROE.																						
Isafjord	28.82	35	E	2	o	28.78	-0.1	31	-8	N	3	b	*	*	*	*	GALES.					
Reykjavik	28.81	32	-	0	c	28.81	+0.4	26	-11	S	6	o	*	*	*	*	Duration and Extreme Force					
Vestmanna	28.88	37	WSW	3	r	28.91	+0.5	37	-1	SSW	7	b	4	*	*	*	on British Coasts.					
Seydisfjord	28.83	34	-	0	b	28.92	-0.1	35	-4	E	2	b	*	*	*	*						
Thorshavn	29.10	46	SSW	7	o	29.37	+0.3	39	-6	NW	2	c	*	*	*	*						
SCANDINAVIA.																						
Haparanda	30.11	25	NE	2	o	30.09	-0.1	23	-2	N	2	c	*	-	25	18	Blacksod Point 7 a.m.-9 a.m.					
Hernösand	30.15	27	-	0	b	30.11	-0.1	21	-7	-	0	b	*	-	28	16	Extreme SSW. 9					
Stockholm	30.06	31	NNW	2	o	30.05	+0.0	32	-4	NNW	2	o	*	-	36	30						
Wisby	30.01	34	NNW	2	bc	30.05	+0.0	33	-6	ENE	2	c	*	0.24	39	32	Stornoway 7 a.m.-1 p.m.					
Karlstad	30.11	34	ENE	2	o	30.00	-0.2	31	-8	ENE	2	o	*	0.35	39	30	Extreme SSW. 8					
Färder (Xiania Fjord)	30.02	39	E	2	f	29.88	-0.2	40	+1	SE	5	r	3	0.04	40	37						
Bodö	29.97	29	E	4	b	29.82	-0.4	30	0	E	7	b	3	-	30	28	Roche's Point 7 a.m.-noon					
Christiansund	29.75	41	ESE	1	bc	29.68	+0.2	45	+4	SW	2	o	3	0.04	45	39	Extreme S.W. 8.					
Skudesnaes	29.84	43	SSE	8	o	29.83	+0.1	41	-3	-	0	c	4	0.20	45	41						
The Scaw (Skagen)	30.03	44	WSW	1	o	29.89	-0.1	43	-2	SW	3	f	1	0.04	45	43						
Blaavands Huk	30.04	42	SSW	2	m	29.90	-0.5	43	-1	SSW	3	r	3	0.04	44	41						
GERMANY, &c.																						
Cuxhaven	30.13	38	S	2	b	30.02	-0.4	37	-6	SW	2	m	*	-	45	34						
The Helder	30.12	44	SSW	3	m	30.02	+0.0	45	+2	SSW	5	r	3	0.04	46	36						
Brussels	30.21	36	S	1	b	30.15	-0.1	39	+7	SSW	1	o	*	-	43	31						
Berlin	30.21	40	SW	1	c	30.15	-0.1	30	-7	SW	1	c	*	Trace	43	30						
Frankfurt	30.35	22	SW	3	f	30.30	-0.1	26	+6	SW	1	f	*	-	28	20						
Munich	30.43	21	-	0	b	30.39	-0.1	19	0	SW	2	b	*	-	25	16						
FRANCE.																						
C. Gris Nez	30.17	46	S	5	o	30.08	-0.1	45	+5	S	5	r	4	?	48	40						
La Hève	30.19	46	SW	3	bc	30.12	*	44	+3	SE	3	c	3	-	52	41						
Brest (St. Mathieu)	30.17	51	SW	3	o	30.07	-0.1	51	0	S	4	r	5	0.04	54	48						
Lorient (Bec Melen)	30.15	52	SW	4	o	30.10	*	52	+1	ESE	3	o	5	-	55	45						
Rochefort (Île d'Aix)	30.29	46	S	2	b	30.21	*	45	+6	SE	3	o	*	-	48	39						
Biarritz	30.29	51	E	1	b	30.23	*	45	-1	SE	3	b	4	-	55	45						
Paris	30.28	38	SSW	2	b	30.22	-0.1	34	+7	SSW	2	f	*	-	44	27						
Belfort	30.36	33	W	3	m	30.34	*	24	+5	-	0	m	*	-	41	23						
Lyons	30.39	35	-	0	b	30.37	*	21	-6	W	1	m	*	-	36	20						
Nice	30.28	44	E	1	b	30.27	+0.2	39	-2	-	0	b	2	-	55	37						
Perpignan	30.32	43	-	0	b	30.29	+0.3	33	-4	W	1	bc	*	-	55	32						
Sanguinaire	30.27	49	E	2	m	30.23	*	48	0	SE	2	m	2	-	54	43						
SPAIN, PORTUGAL, &c.																						
Corunna (8 a.m.)	30.30	57	SSW	1	b	30.15	-0.1	53	+7	SSE	1	r	4	0.20	57	46						
Lisbon (9 a.m.)	30.30	51	N	3	b	30.31	+0.3	45	-2	N	2	o	6	-	55	45						
Gibraltar	30.25	54	E	3	r	30.24	*	56	+3	E	2	o	1	0.73	57	53						
Azores (P. Delgada)	30.33	64	WSW	4	o	30.38	+0.2	64	0	SW	5	o	3	0.04	64	64						
Azores (Horta)	30.32	62	NNE	2	bc	30.33	-0.2	59	0	NNE	2	bc	2	-	66	48						
Madeira (Funchal)																						

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 9TH DECEMBER



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



GENERAL INFERENCE

The small depression off the mouth of the Channel is likely to move Southwards or South-eastwards. Pressure will become for a time

WEATHER PROSPECTS.

very uniform, and light variable breezes are probable over our southern districts, with dull, misty weather and rain in places. A general fall of temperature is anticipated.

FORECASTS FOR THE 24 HOURS NOON TUESDAY

TO NOON WEDNESDAY.

0 { a } S.W. winds, fresh or strong in places; fair at first, some showers later; cold.

1 { Variable or light S.W. breezes;

2 { cold, changeable, some showers.

3

4 { a } light variable breezes; dull and misty at first, with rain in places, some improvement later; becoming cooler.

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.

Cones lowered at 9.25 a.m. in Districts 1, 6, 7 & 8.

6 { a }
b

Same as Nos. 1 to 3.

7 { a }
b

8 { a } light N.E. to variable breezes; some rain at first, then fair; becoming colder.

9 { a }
b

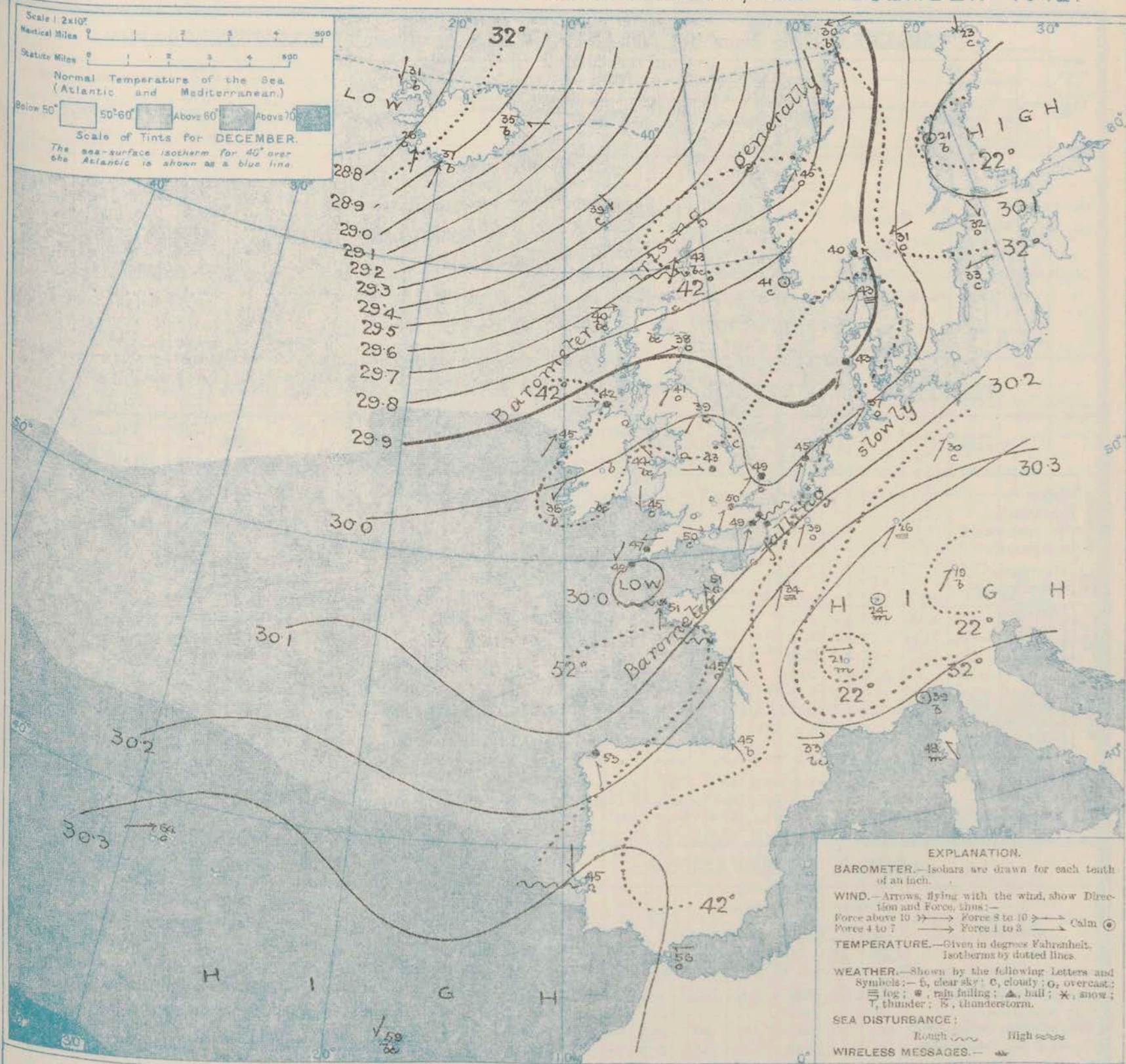
Same as Nos. 1 to 3.

10 { a } light N.E. to variable breezes; fair; cold

11 WESTERN CHANNEL AND BAY. light S.W. winds probable north Channel, variable or S.W. breezes Bay, with a moderate sea. cloudy, misty, rain in places; becoming colder.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. TUESDAY, 10TH DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The general distribution of pressure remains unchanged, the barometer being highest over Central France and South Germany, and lowest in a depression off Western Iceland. To the northward of our islands the gradient remains rather steep. A small shallow depression has appeared off the mouth of the Channel.

Variable or light S.W. breezes are now prevalent over the southern parts of the United Kingdom, but further to the northward the wind is chiefly S.E. Light S.E. breezes are reported over the Bay of Biscay and the west and north of

France. Temperature has risen in the east and southeast of England, fallen in most other localities. Over the United Kingdom the morning readings range from between 48° and 50° on our south and southeast coasts to a little below 40° in Central Ireland and the east of Scotland. Sharp frost still prevails over Central France and South Germany. The weather is in a rather variable state generally. Rain is falling at several of the English stations, as well as on the eastern and southern shores of the North Sea, and fog prevails in some parts of Germany and Central France. The sea is moderate or slight generally, but rather rough off

DAILY WEATHER REPORT.

Tuesday, 10th December, 1912.

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.	
10th 7 a.m.	51	12	Monmouth	H	30.05	+0.1	WSW	1-3	0										
9th 6 p.m.	51	15		H	29.96	+0.8	WNW	4-5	0										
" "	49	13	Vaderland	O	29.99	+0.9	NW	4-5	bc										
" 10 a.m.	48-9	5.56	H.M.S.	H	30.18	-	SSE	3	bc										
Dry Bulb 55°, wet Bulb 54° Sea Temp. 53°. Sea disturbance 2.																			
Westerly Swell subsiding																			
" 7 a.m.	51	18	Monmouth	H	29.61	+1.2	W	6-7	0										

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.		Hr. 15
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	In.	*	*	*	*	*		Ramsgate	In.	53	47	*	*	1.2
	Stonehaven	0.25	50	44	or	or	0.0		Margate	-		42		c.0	0.0
	St. Andrews	0.12	48	35			0.0		Deal	-	49	42	bw. bc	*	0.4
	Carnoustie								Littlestone	-	*	*	*	*	0.4
Engl. N.E.	Harrogate	-	47	38	c.0	0	0.1	England, S.E.	Folkestone	-	50	46	cm. sm	sm	0.4
	Scarborough	*	49	39	0.0	0.0	?		Hastings	0.01	50	43	bw	0	0.5
England, N.W.	Blackpool								Bexhill-on-Sea	-	49	44	bc. ov	0V	0.0
	Southport	0.05	49	38	bc.0	op.r	0.0		Eastbourne	0.01	51	44	c	c	0.0
	Buxton	0.04	48	39	bc.r	c.r	0.1		Seaford	0.02	50	44	c	0	0.0
	Douglas								Brighton	-	49	46	0	0	0.0
Wales.	Rhyl	0.03	52	44			0.0		Worthing	0.01	50	47	0	*	0.0
	Colwyn Bay	0.04	52	46	d. bcq	qp	0.0		Littlehampton	*	*	*	*	0.0	
	Llandudno	0.01	54	44	0	r	0.0		Southsea	-	51	45	c.0.c	c.0	0.1
	Bettws y-Coed	*							Bournemouth	-	52	46	0.c		0.0
England, E.	Aberystwyth	0.08	52	46	0.0.0	c.0.r	0.0	England, S.W.	Weymouth	0.01	52	44	ce	c. d	0.1
	Walton-on-the-Naze	0.02	47	43	bc	0	1.5		Teignmouth	0.01	53	40	c	c.0	0.1
	Lowestoft	0.01	49	44	c.0	og	1.2		Torquay	0.01	53	42	0	c. d	0.1
	Felixstowe	-	47	43	bc.0	m.0. bc	1.1		Paignton	0.02	53	36	bc	c. r	0.0
	Southend-on-Sea	-	47	42	0. bc	c.0	0.0		Weston-super-Mare	0.05	52	40	bc	c. r	0.0
								Ilfracombe	0.29	52	45	0	0. r	0.0	

LONDON OBSERVATIONS.

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.						
	%	%			In.					Hr.
Greenwich (Royal Obsy.) ...	32	98	51	48	44	0.15	c	o-sp	op	0.0
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	"	0.0
Westminster (St. James's Pk.)	30	97	52	48	43	0.12	m	m r	tm	0.0
Camden Sq. (Brit. Rainfall)	83	100	53	48	46	0.19	o.c	o	o r	0.0
Hampstead (Reservoir) ...	"	99	50	46	45	0.10	oe	oe	o r m d	0.1
			24 HOURS ENDED 6 P.M. YESTERDAY.				Night.	Fore-noon.	After-noon.	
South Kertsington ...	"	"	52	47	37	Trace	} o b c m	o.c	c.o	0.0
" " (Roof of M.O.)	84	97	52	48	"	"				

Additional Observations for Yesterday.

STATIONS.	Rain-fall.	TEMPERATURE.		WEATHER.			Sun-shine
		In Screen.	Min. on Grass.	Night.	Forenoon.	Afternoon.	
		Max.	Min.				
		24 HOURS ENDED 9 A.M. TO-DAY.					
Dublin to 4 p.m.	0.09	53	43	39	bcq	bcq	0.0
Plymouth to 9 p.m.	0.38	52	42	30	0r	0r	0.0
Darwen	0.21	48	38	33	bc		0.0
Manchester							0.0
Birmingham							0.0

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

	10th December, 1912.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T.	G.M.T.	G.M.T.	
	7.54	11.46	3.37	
Greenwich	7.56	11.46	3.37	
	7.56	11.53	3.50	
Wick	7.57	11.53	3.49	
	8.53	12.5	3.17	
Valencia	8.54	12.5	3.16	
	8.40	12.34	4.28	
	8.41	12.34	4.27	

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to 50° and upwards in most parts of the United Kingdom. Little or no bright sunshine was recorded over the country generally, but about 1½ hours were registered at Bath, Ramsgate and Walton-on-the-Naze. Rain fell in nearly all districts, rather heavily on the Cornish coasts. Wireless reports show that as far west as the 18th meridian ships experienced fresh to strong breeze from the Westward or North-Westward 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. u. u. threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; y. 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.

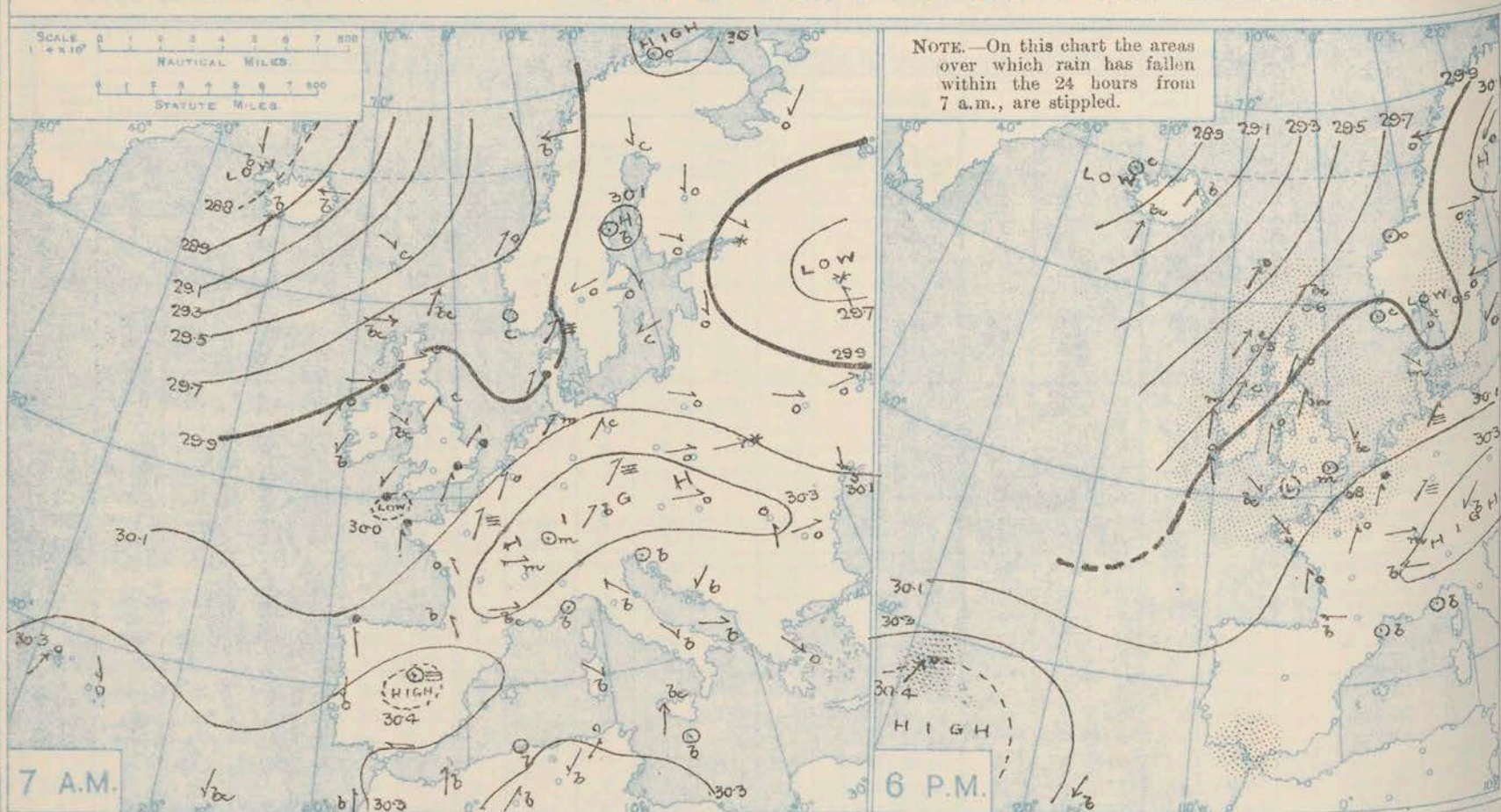
1912.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Wednesday,
11th December, 1912.

11th December, 1912.																						
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.	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	29.78	42	SW	3	bc	29.20	-1.8	40	-3	ESE	9	rg	6	0.58	45	38	2cp	bc	org	*		
Stornoway	29.67	45	SW	7	c	28.97	-1.0	50	+10	SSW	8	rg	7	0.52	50	35	bcq	bcq	org	0.0		
Castlebay (Barra Isd.)																						
Malin Head	29.76	41	SW	7	cgq	29.14	-1.2	50	+8	SW	9	rgm	7	0.09	51	41	ggm	ggm	cap	*		
Blacksod Point	29.70	48	S	7	m	29.22	-1.2	54	+9	SSW	8	r	6	0.34	54	45	ogm	ogpm	ogmr	*		
Valencia	29.90	49	SSE	4	o	29.47	-1.0	54	+18	SSE	6	og	5	0.13	55	34	bc	o.c	omr	0.0		
Roche's Point	30.00	48	SW	3	b	29.60	*	52	+12	SW	7	r	6	0.20	52	38	om.	om.b	b.or	*		
Birr Castle	29.91	41	S	1	c	29.47	*	54	+18	S	7	o	*	0.01	54	32	c	c	dp.o	0.0		
Donaghadee	29.92	41	S	2	o	29.44	-1.1	49	+12	S	5	rg	3	0.14	49	36	c	om	or.org	*		
Liverpool Obsy.	30.02	40	SSE	2	m	29.68	-1.0	48	+6	S	4	o	3	0.02	49	37	o.cu	bm	op	2.1		
Holyhead	29.98	45	S	2	o	29.61	-0.5	50	+6	S	5	r	4	0.04	50	41	bc	bc	od	*		
Pembroke (St. Ann's Hd.)	30.01	46	SSW	1	c	29.74	-0.9	50	+5	SW	7	ogm	6	0.01	51	44	og	bcm	cm	1.7		
Newquay	30.06	49	NW	2	bc	29.86	-0.7	50	+3	S	4	om	4	0.13	50	43	at.op	bc	bc.o	0.4		
Scilly (St. Mary's)	30.04	49	NW	3	bc	29.89	-0.5	51	+2	SW	6	og	6	0.16	51	46	b	bc	bc	1.4		
Jersey (St. Aubin)	30.07	51	SSE	3	om	30.08	*	50	-1	SSW	3	og	3	0.14	52	45	ogm.c	omtom	ogm	0.0		
Portland Bill	30.01	52	S	3	o	29.95	-0.3	51	+1	SW	5	c	4	0.33	52	46	or	od.o	o.c	*		
Dungeness	30.03	50	SW	5	ot	29.95	-0.2	49	0	SW	4	c	4	0.27	50	47	od.o	od.r	od.r.c	*		
Dover	30.07	49	SW	2	r	29.98	*	48	0	SW	4	o	4	0.39	49	48	or	or	or.o	0.0		
Wick	29.77	43	S	4	c	29.08	-1.7	45	+5	S	8	c	6	0.19	45	35	cp	c	c.org.c	*		
Nairn	29.82	41	SW	1	o	29.14	*	52	+12	SW	3	o	2	0.01	52	36	zc	g.o	og	0.0		
Aberdeen	29.89	40	SSW	2	o	29.32	-1.4	44	+6	SSE	6	rg	4	0.05	44	37	ab.o	c.o	org	0.8		
Leith	29.92	42	NW	2	o	29.33	-1.3	51	+10	SW	6	c	*	0.01	51	41	bc.o	c.o	o	*		
North Shields	30.02	38	SSW	1	z	29.59	-0.9	42	+3	S	3	o	2	0.03	43	36	m	z	or	0.0		
Spurn Head	30.03	39	W	2	m	29.77	-0.3	43	0	SSE	5	m	4	Trace	43	37	c om	bm	bc.f.m	*		
Yarmouth	30.05	46	WNW	1	bc	29.90	-0.4	47	-2	SW	1	o	1	0.16	49	40	omd	o.b.c	fd.o	0.0		
Clacton-on-Sea	30.05	47	WNW	2	omf	29.93	-0.2	46	+1	SW	2	o	2	0.20	48	42	ogdf	ogf.m	ogm.og	0.0		
Nottingham	30.04	34	W	1	f	29.80	*	45	+2	SW	3	o	*	Trace	45	33	c.of	fe	fe	0.0		
Bath	30.05	45	NE	1	o	29.91	*	47	0	SW	3	o	*	0.12	54	43	r	d.o.	-	0.0		
Oxford	30.05	43	-	0	c	29.89	*	46	0	SSW	4	c	*	0.11	46	41	org	org.d	bc.f.o	*		
London (Kew Obsy.)	30.05	47	-	0	m	29.95	-0.1	46	-4	SW	3	o	*	0.24	50	45	omf	omf	m-b.o	0.0		
GALES.																						
Duration and Extreme Force on British Coasts.																						
Isafjord	28.81	34	-	0	c	28.62	-0.7	31	0	-	0	S	*	*	*	*						
Reykjavik	28.82	32	S	4	c	28.45	-1.2	24	-2	-	0	b	*	*	*	*						
Vestmanna	28.43	32	SSW	6	bc	28.42	-0.9	28	-9	N	1	b	5	*	*	*						
Seydisfjord	28.48	37	SW	2	b	28.33	-2.4	33	-2	-	0	o	*	*	*	*						
Thorshavn	29.42	42	SSW	6	r	28.59	-2.7	44	+5	SSW	8	r	*	*	*	*						
SCANDINAVIA.																						
Haparanda	30.14	22	NE	2	o	30.20	+0.2	21	-2	NE	4	o	*	-	25	19	Lerwick 1 a.m. to 7 a.m.					
Hernösand	30.08	25	W	2	o	30.12	+0.3	28	+7	NE	2	o	*	Trace	28	19	Extreme ESE 9					
Stockholm	29.98	31	E	2	o	30.00	+0.4	30	-2	ESE	2	o	*	-	32	28						
Wisby	29.97	33	ENE	2	o	29.95	+0.2	33	0	ENE	2	o	*	-	34	30	Stornoway					
Karlstad	29.90	31	E	2	o	29.95	+0.0	30	-1	E	2	o	*	0.47	32	28	Squalls force 9.					
Færder (X'ania Fjord)	29.83	36	N	6	o	29.93	+0.1	33	-7	NE	4	o	2	0.20	41	32						
Bodö	29.87	28	E	6	o	29.92	-0.2	28	-2	E	5	b	2	-	30	25	Malin Head, 8 p.m. to 7 a.m.					
Christiansund	29.83	42	-	0	o	29.71	-0.7	36	-9	E	3	b	3	-	45	36	Extreme S.W. 9.					
Skudesnaes	29.93	38	-	0	c	29.76	+0.4	41	0	SE	6	o	4	-	41	36						
The Scaw (Skagen)	29.82	42	NNW	4	o	29.91	+0.2	37	-6	NE	3	o	1	-	45	37	Blacksod Point, 6 p.m. to 7 a.m.					
Blaavands Huk	29.96	40	NW	1	m	29.94	-0.6	41	-2	SW	1	o	1	Trace	46	39	Extreme S.S.W. 8.					
GERMANY, &c.																						
Cuxhaven	30.00	42	SW	3	f	29.98	-0.0	41	+4	SW	2	o	*	0.20	43	37						
The Helder	30.02	46	E	1	r	29.94	-0.5	45	0	S	4	f	1	0.08	46	39	Roche's Point, mid. to 6 a.m.					
Brussels	30.13	42	SSW	3	r	30.05	-0.2	44	+5	SSW	2	o	*	0.08	46	38	Extreme S.W. 8.					
Berlin																						
Frankfurt	30.24	31	SW	1	f	30.17	-0.1	35	+9	SW	2	r	*	-	36	26	Wick, 1 a.m. to 7 a.m.					
Munich	30.34	25	NE	2	b	30.29	-0.1	30	+11	SW	4	c	*	-	30	19	Extreme S. 8.					
FRANCE.																						
C. Gris Nez	30.08	48	S	4	r	29.99	-0.2	49	+4	SSW	5	r	4	0.79	50	45						
La Hève	30.10	44	SSW	4	r	30.06	*	41	-3	WSW	4	o	4	0.20	48	39	Aberdeen					
Brest (St. Mathieu)	30.05	52	NW	5	o	30.06	-0.5	50	-1	SW	4	bc	5	0.08	54	46	Squalls 46 m.p.h. (8)					
Rorient (Bec Melen)	30.06	52	SSW	4	o	30.12	*	50	-2	WSW	4	o	5	-	55	46						
Rochefort (Ile d' Aix)	30.25	48	S	3	o	30.24	*	46	+1	S	3	o	*	-	50	45						
Biarritz	30.26	50	E	2	b	30.30	*	45	0	-	0	b	4	-	55	43						
Paris																						
Belfort	30.22	42	SSW	2	o	30.14	0.0	45	+11	SW	3	o	*	0.08	45	34						
Lyons	30.25	32	W	2	m	30.26	*	34	+10	W	4	o	*	-	42	24						
Nice	30.30	32	E	1	b	30.38	*	24	+3	W	1	m	*	-	35	21						
Perpignan	30.27	43	-	0	b	30.23	-0.1	39	0	-	0	b	*	-	52	36						
Sanguinaire	30.29	41	-	0	b	30.20	0.0	36	+3	SW	1	b	*	-	53	32						
Corunna (8 a.m.)	30.24	50	W	2	m	30.23	*	49	+1	E	3	m	2	-	55	45						
SPAIN, PORTUGAL, &c.																						
Lisbon (9 a.m.)																						
Gibraltar																						
Azores (P. Delgada)	30.28	56	E	1	c	30.28	*	53	-3	E	2	c	1	0.11	59	52						
Azores (Horta)	30.40	64	SW	4	o	30.40	0.0	64	0	S	2	o	2	0.04	66	64						
Madeira (Funchal)	30.28	63	NE	4	b	30.22	0.0	61	+2	NE	4	bc	3	-	68	50						

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 10TH DEC.



GENERAL INFERENCE

The deep depression to the southeastward of Iceland is likely to move northwards or north-eastwards. Secondary disturbances will approach

WEATHER PROSPECTS.

our own western coasts, and a decided increase of wind from the S.^W and S.^W is probable over the entire Kingdom, with squally, rainy weather.

FORECASTS FOR THE 24 HOURS NOON WEDNESDAY

TO NOON THURSDAY.

- 0 {^a S.^W to S.^W.^W gales and strong winds; squally and rainy at first, improving temporarily later; continuing mild.
- 1 {^b
- 2 {^a S.^W and S.^W.^W winds, increasing
- 3 {^b in force; fair at first, then squally and rainy, continuing
- 4 {^a mild.
- 5 {^b

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 7.14 p.m. yesterday in Districts 0, 9, 10 and parts of 1 & 6. This morning at 8.30 a.m. in District 8, and remainder of 1 & 6.

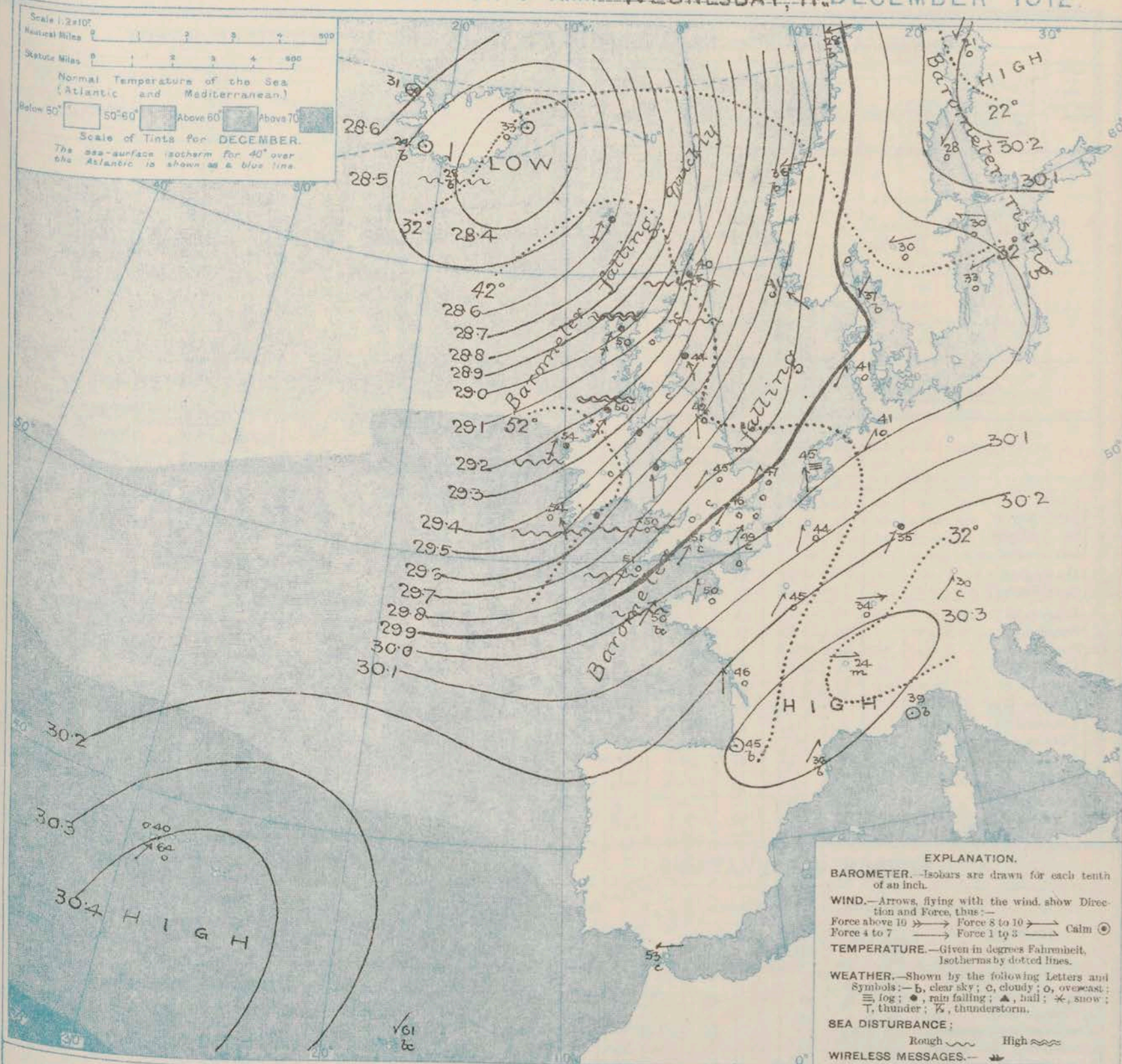
- 6 {^a S.^W to S.^W.^W gales and
- 7 {^b strong winds; squally, rainy;
- 8 {^a continuing mild.
- 9 {^b
- 10 {^a
- 11 {^b

11 WESTERN CHANNEL AND BAY.

S.^W.^W winds, increasing to a gale, with squally, rainy weather, and a rough sea.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. WEDNESDAY, 11TH DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The centre of a deep depression has appeared off the southeast of Ireland, where the readings of the barometer are now below 29.4 in. The mercury is falling rapidly in the extreme north, and over all our western and northern districts the gradient is very steep.

The wind is chiefly S.^w or S.S.^w, and blows with the force of a gale in Ireland and the west and north of Scotland, as well as in the Faeröe. In Iceland calms or light S.E. airs are reported. Temperature has risen generally, briskly in the west and north,

where the readings are now mostly above 50°. On the northeast coasts of Great Britain the thermometer is below 45°. Frost still prevails in Central France and in Northern Scandinavia.

The weather is fine in the west of Norway, but cloudy or dull over Western Europe generally, with rain on our own western and northern coasts, as well as in the Faeröe. Snow is falling in Northern Iceland. The sea is high off the Hebrides and the north of Ireland, and rough on our western and extreme northern coasts generally.

DAILY WEATHER REPORT.

Wednesday, 11th December, 1912.

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.	
10th 12pm	51	10	Monmouth	H	30.03	-0.01	SSW	4-5	0										
" 7am	49	17	Vaderland	O	30.05	-0.01	WSW	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.					Hr.	England, S.E.		In.					Hr.
{ Oban ...		0.50	50	40	p.o.c	c.o	0.0	{ Ramsgate ...		0.12	50	40	"	"	0.0
{ Stonehaven ...								{ Margate ...		0.14	51	49	"	d.r	0.0
{ St. Andrews ...								{ Deal ...		0.22	50	47	d.r	"	0.0
{ Carnoustie ...								{ Littlestone ...		"	"	"	"	"	0.0
Eng. N.E.								{ Folkestone ...		0.22	48	47	dm	rm	0.0
{ Harrogate ...			42	35	c.bc	bc.o	1.2	{ Hastings ...		0.34	50	37	omr	or	0.0
{ Scarborough ...			45	39	og	o.c	0.0	{ Bexhill-on-Sea ...		0.32	50	48	e	d	0.0
England, N.W.								{ Eastbourne ...		0.35	51	49	adm	or	0.0
{ Blackpool ...			46	36	a.c	ome	1.0	{ Seaford ...		0.42	50	48	r	r	0.0
{ Southport ...		0.02	45	38	om 3.bc	c.bc.o	2.1	{ Brighton ...		0.30	50	49	om. om	rm	0.0
{ Buxton ...		0.12	46	33	bc. tm	b	1.2	{ Worthing ...		0.30	50	49	d	d	0.0
{ Douglas ...								{ Littlehampton ...		"	"	"	"	"	0.0
Wales.								{ Southsea ...		0.26	50	49	om. or	or	0.0
{ Rhyl ...		0.10	45	37		b.bc	2.0	{ Bournemouth ...		0.25	49	49	r.o	of	0.0
{ Colwyn Bay ...			45	41	bc	b.bc	2.3	England, S.W.							
{ Llandudno ...		0.04	45	40	c	b	2.3	{ Weymouth ...		0.80	51	47	omrg	rgo	0.0
{ Bettws y-Coed ...								{ Teignmouth ...		0.48	52	47	or	do	0.0
{ Aberystwyth ...		0.05	46	38	f.o.c	c. om	1.5	{ Torquay ...		0.47	51	46	do	do	0.0
England, E.								{ Paignton ...		0.54	50	45	f	r	0.0
{ Walton-on-the-Naze ...		0.23	48	44	m. org	rgm f	0.0	{ Weston-super-Mare ...		0.44	48	45	c.d	b.c	0.0
{ Lowestoft ...		0.35	49	45	or	or	0.0	{ Ilfracombe ...		0.70	50	46	o	b.bc	1.6
{ Felixstowe ...		0.30	49	43	m.o	m. or bc	0.0								
{ Southend-on-Sea ...		0.26	49	44	o	r	0.0								

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.		HUMIDITY.		TEMPERATURE.		Rainfall.	WEATHER.		Sunshine for Yesterday.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine for Yesterday.
		3 p.m. Yesterday.	9 a.m. To-day.	In Screen.	Min. on Grass.		Forenoon.	Afternoon.					Max.	Min.	Night.	Forenoon.	
		%	%	Max.	Min.	In.	Forenoon.	Afternoon.	Hr.			In.	Max.	Min.	Night.	Forenoon.	Hr.
Greenwich (Royal Obs.) ...		98	89	50	44	39	0.28	or	or.o	0.0	Dublin to 4 p.m.		45	38	34	o.bc3	0.0
City (Banhill Row) ...		"	"	"	"	"	"	"	"	0.0	Plymouth to 9 p.m.		52	45	36	og	0.0
Westminster (St. James's Pk.)		99	87	52	47	43	0.24	rm	rm	0.0	Darwen "		48	34	31	orm	0.0
Camden Sq. (Brit. Rainfall)		98	91	50	45	41	0.23	ogm	or	0.0	Manchester "		"	37	"	fe	0.0
Hampstead (Reservoir) ...		"	98	48	44	41	0.21	orm	om.o	0.0	Birmingham "		48	38	35	r.o	0.0
				24 HOURS ENDED 9 A.M. TO-DAY.		In.	Forenoon.	Afternoon.									
South Kensington ...		"	"	51	47	45	0.37	o	cd og or	0.0							
" (Roof of M.O.)		95	89	52	48	"	"	"	"	0.0							

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

11. 12. Dec., 1912.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.56	11.46	3.37
	7.57	11.47	3.36
Greenwich ...	7.57	11.53	3.49
	7.58	11.54	3.49
Wick ...	8.54	12.5	3.16
	8.55	12.6	3.16
Valencia ...	8.41	12.34	4.27
	8.42	12.35	4.27

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to 50° and upwards in several parts of the United Kingdom and to 55° at Valencia. In the north of England and the east of Scotland, it failed to exceed 45°. A little bright sunshine was recorded only at a few stations in the west and north of Great Britain. Rain was experienced in all districts. Wireless reports show that as far west as the 17th meridian ships experienced light to fresh winds from the Westward and South-Westward 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. hoar frost; z. dust-haze, or smoke.

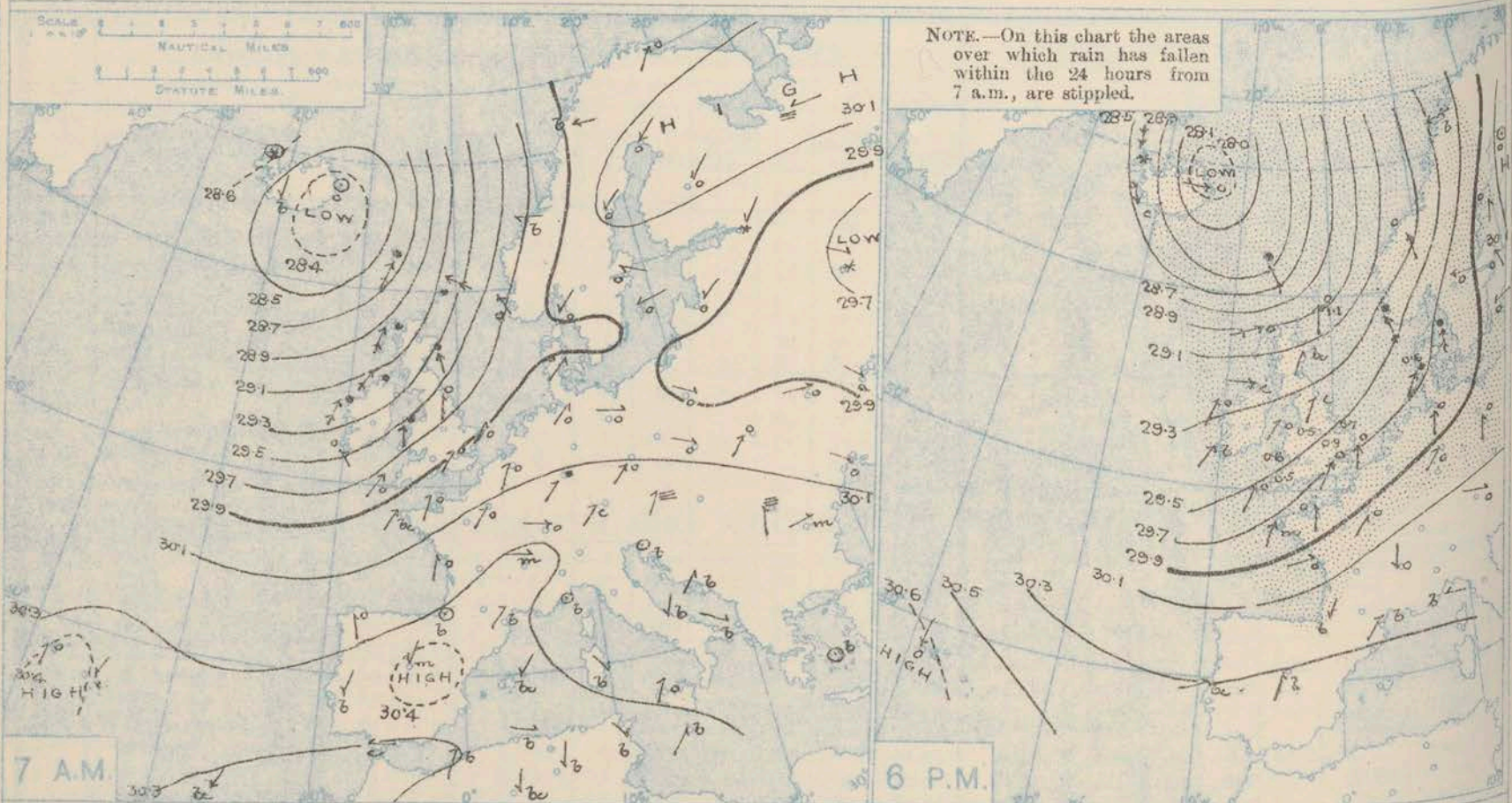
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

12th December, 1912.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 11th DEC^r



GENERAL INFERENCE

WEATHER PROSPECTS.

The deep depression in the Icelandic region will continue to travel away northward. In the rear of small line-squall disturbances which are now

advancing across the United Kingdom the wind will shift temporarily to the S.W., with colder weather, and showers of hail or sleet in places.

FORECASTS FOR THE 24 HOURS NOON THURSDAY

TO NOON FRIDAY.

0 { Fresh S.W. winds, backing later; cold, changeable, some showers, hail or sleet in places.

1 {
2 { Freshening S.W. to S.E. winds; showery at first, with hail or sleet in places, then fair; cold.

4 {
5 { Strong S.W. to S.E. winds; squally and showery at first, then fair; 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.

South Cone hoisted yesterday on all coasts.

6 {
7 {
8 {
9 {
10 {

Strong S.W. winds, moderating and backing later; some showers at first, then fair; colder, frost tonight.

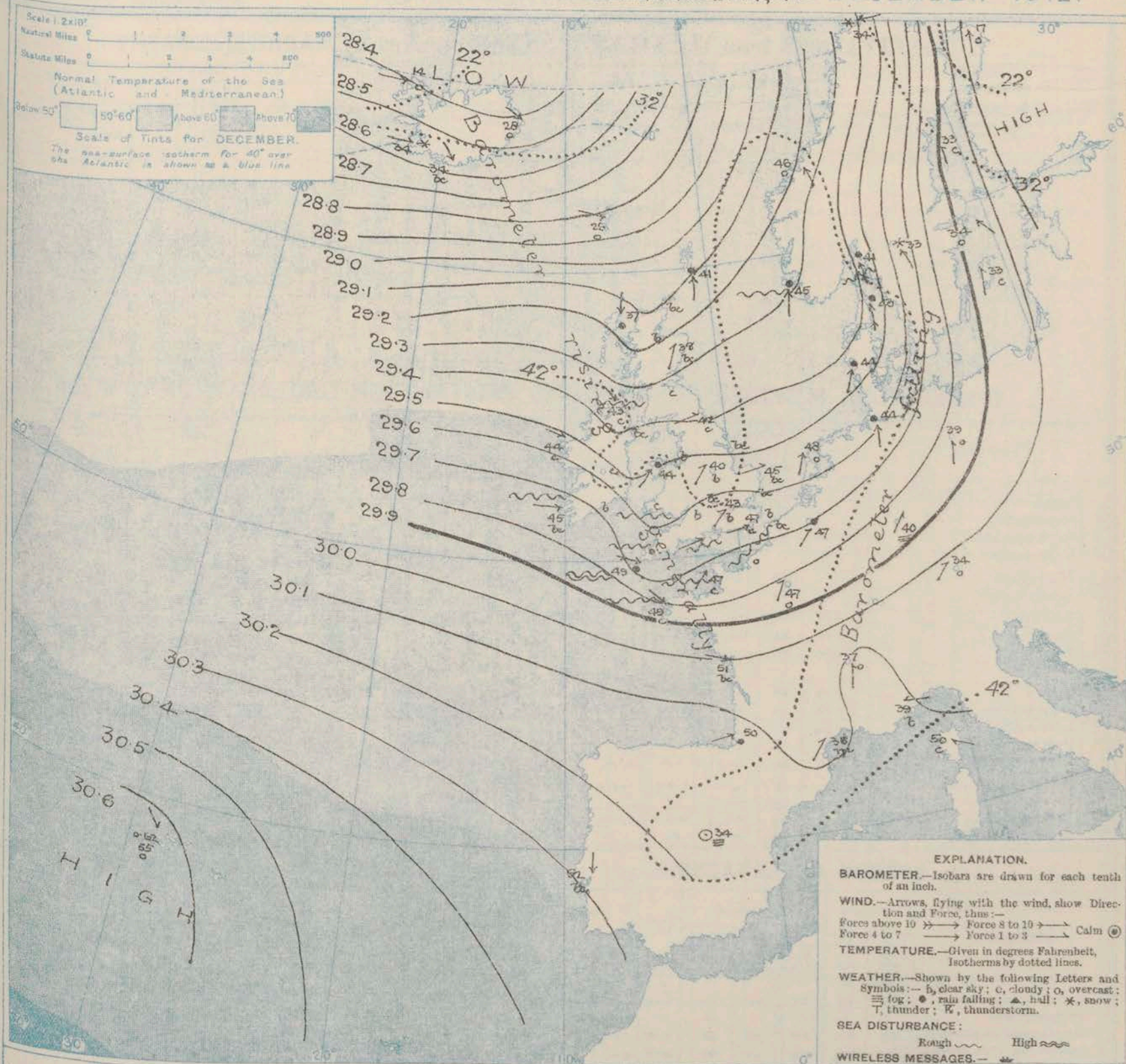
11 WESTERN CHANNEL AND BAY.

W. and S.W. winds, strong, a gale in places, with a rough sea; squally, some showers; colder.

THE FURTHER OUTLOOK. (All Districts).

Changeable weather is likely to continue.

SYNOPTIC CHART FOR 7 A.M. THURSDAY, 12TH DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The deep depression which lay yesterday to the southeastward of Iceland is travelling away to the northward, but small secondary disturbances have appeared over various parts of the United Kingdom and the North Sea.

The wind is light to moderate from the S.W. over the eastern and central parts of the United Kingdom, but is strong from the N.W. in the west, with a gale on the Cornish coast. Strong winds and gales from the S.W. are blowing on the eastern side of the North Sea. Temperature has

fallen in these islands, but risen at most of the Continental stations. On our south and south-west coasts the thermometer ranges between 45° and 49°; in Scotland it is below 40°. Sharp frost prevails in Lapland and in Northern Iceland. Showers are reported on the west coasts of Great Britain, but in other parts of the United Kingdom the weather is at present fair. Rain is falling in Belgium, Denmark and the south of Norway, and snow at Bodø and Karlstad, as well as at Reykjavik. The sea is high off Scilly, and rough or rather rough on our western and southern coasts generally.

DAILY WEATHER REPORT.

Thursday, 12th December, 1912.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WRA- THER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WRA- THER.
	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).	

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.						
	In.					Hr.		In.			Hr.
Scotland.							Ramsgate ...	0.14	50	45	
Stonhaven ...							Margate ...	0.08	50	49	
St. Andrews ...	0.11	54	40	o.r	o.c	0.2	Deal ...	0.12	50	46	or.c
Carnoustie ...							Littlestone ...				
England, N.E.							Folkestone ...	0.14	49	45	c
Harrogate ...	0.11	53	35	og	org	0.0	Hastings ...	0.09	50	45	op
Scarborough ...		50	38				Bexhill-on-Sea ...	0.05	50	46	g
England, N.W.							Eastbourne ...	0.21	51	47	og
Blackpool ...	0.18	54	36	o	r	0.0	Seaford ...	0.11	51	47	o
Southport ...	0.15	55	36	o.b.c.o	or	0.0	Brighton ...	0.15	51	47	o
Buxton ...	0.02	50	32	bc	c	0.0	Worthing ...	0.11	50	46	o
Douglas ...							Littlehampton ...				
Wales.							Southsea ...	0.16	51	46	c
Rhyl ...	0.17	56	37		p.b.c.r	0.0	Bournemouth ...	0.47	51	44	or
Colwyn Bay ...	0.18	55	40	d.g		0.0	Weymouth ...	0.07	52	45	c.o.e
Llandudno ...	0.24	55	40	o	o.r	0.0	Teignmouth ...	0.01	53	42	od
Bettws y-Coed ...							Torquay ...	0.10	53	43	o
Aberystwyth ...	0.12	54	41	o.c.o	c.or	0.0	Paignton ...				
England, E.							Weston-super-Mare ...		54	41	c
Walton-on-the-Naze ...		48	45	bc.og	oe.g	0.0	Stracombe ...	0.16	54	44	r
Lowestoft ...		49	40	c	o	0.0					
Felixstowe ...		49	42	cm	og	0.0					
Southend-on-Sea ...		49	40	o	o	0.0					

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.			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.				In Screen.	Min. on Grass.	Night.	Fore- noon.	After- noon.						
			Max.	Min.														Max.		Min.	Night.	Fore- noon.	After- noon.
Greenwich (Royal Obsy.) ...	%	%	51	41	34	In. 0.14	o	o.r	r.o.b.c	0.0	Dublin to 4 p.m.	0.19	57	46	44	og	g.c.d	o	0.0				
City (Banhill Row) ...	"	"	"	"	"	"	"	"	"	0.0	Plymouth to 9 p.m.	0.27	53	41	33	og	rg	or	0.0				
Westminster (St. James's Pk.)	86	90	52	43	35	0.10	bc	bc.r	r.b.c	0.0	Darwen "	0.47	51	36	33	of	or	or	0.0				
Camden Sq. (Brit. Rainfall)	86	86	52	41	35	0.12	o.c	o	or.o	0.0	Manchester "	0.50	54	37	"	o	r	r	0.0				
Hampstead (Reservoir) ...	"	87	49	40	35	0.15	o	o	or.b.c	0.0	Birmingham "	0.14	50	38	31	"	"	"	"				
			24 HOURS ENDED 6 P.M. YESTERDAY.					Night.	Fore- noon.	After- noon.													
South Kensington ...	"	"	52	46	42	0.01	} o	0.09	0.09	{ 0.0													
" " (Roof of M.O.)	82	81	52	47	"	"																	

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

12th Dec., 1912.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.57	11.47	3.36
	7.58	11.47	3.36
Greenwich ...	7.58	11.54	3.49
	7.59	11.54	3.49
Wick ...	8.55	12.6	3.16
	8.56	12.6	3.16
Valencia ...	8.42	12.35	4.27
	8.43	12.35	4.27

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to between 50° and 55° in nearly all parts of the country, to 56° at some places in the west and north, and to 57° at Leith. Nearly all stations reported a complete absence of bright sunshine. Rain fell generally, heavily in places. A thunderstorm occurred at night at Blacksd Point, and lightning was seen at several western stations. Fresh to strong gales from between south and west were experienced on many parts of our coasts.

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. u.s., 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.

1912.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

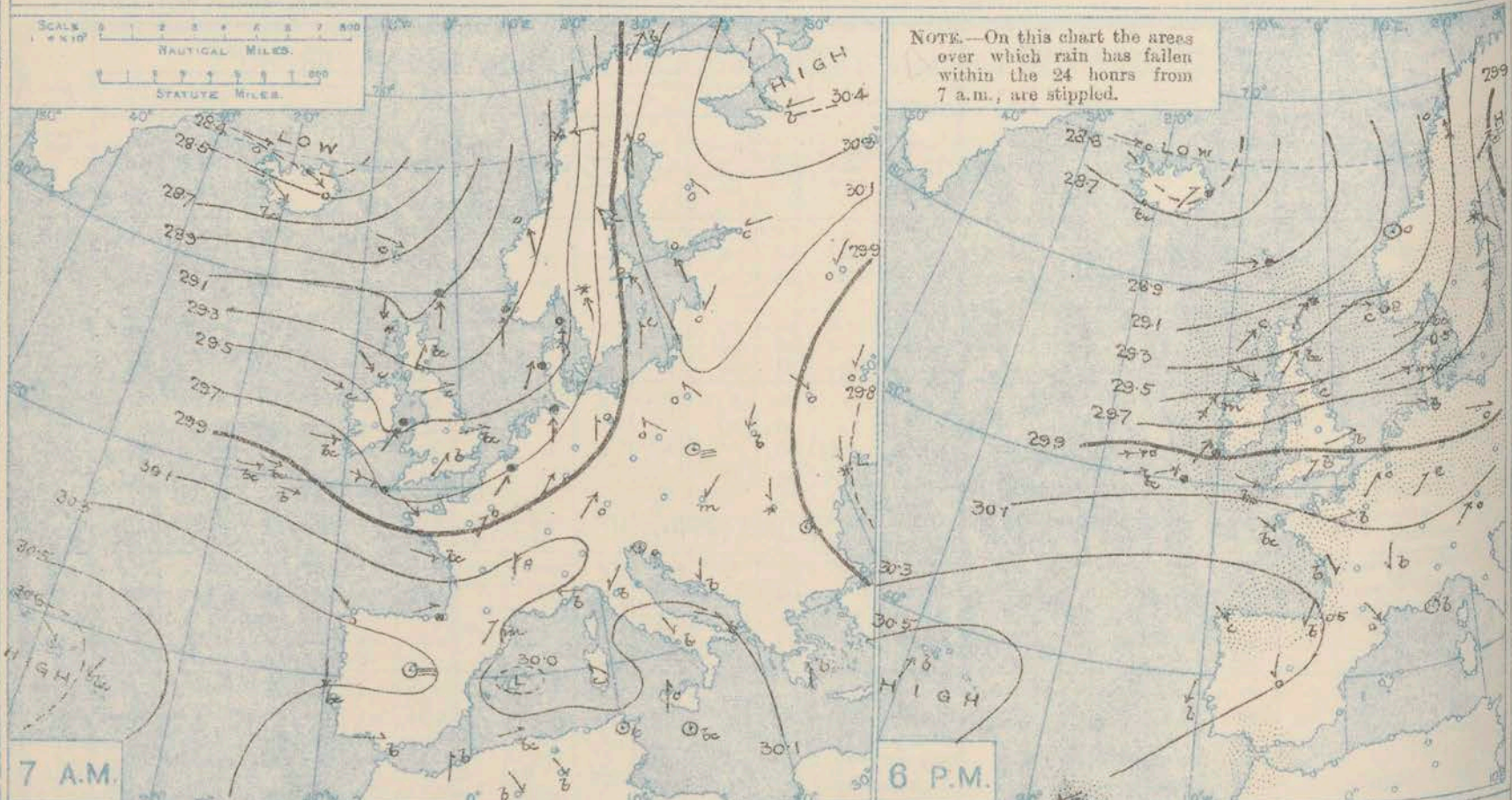
Friday,
13th December, 1912.

13th December, 1912.																					
STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
	Barom.	Temp.	Wind.	Force	Weather.	Barometer.	Temp.	Wind.	Force	Weather.	Sea	Rain- fall.	Temp.		Weather						
													At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	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	29.13	38	SSW	5	fq	29.22	-0.1	43	+2	SSW	4	c	4	0.30	43	36	bcp	crg	crg	*	
Stornoway	29.21	38	SW	5	cpq	29.11	-1.4	46	+9	SW	7	r	5	0.20	46	36	cpq	cap	bcopl	0.0	
Castlebay (Barra Isd.)																					
Malin Head	29.40	45	WNW	8	otq	29.34	-1.3	46	+3	WSW	8	org	7	0.37	49	39	og	ogpm	org	*	
Blackod Point	29.54	48	SSW	8	m	29.44	-1.3	50	+6	SW	9	o	6	0.31	50	40	ogm	ogpm	ogpm	*	
Valencia	29.86	50	SW	6	bqf	29.79	-0.7	51	+6	SW	6	r	6	0.17	52	43	bcp	bcap	c.b.c.	1.0	
Roche's Point	29.90	48	W	4	r	29.89	*	50	+7	WSW	5	r	5	0.03	51	43	bc.b	c.b.c.	b.c.r	*	
Birr Castle	29.70	45	SW	5	o	29.71	*	48	+8	S	7	r	+	0.17	49	36	bcp	cp.o	cp.org	0.0	
Donaghadee	29.52	43	SW	6	bq	29.59	-0.8	49	+12	SW	4	c	2	Trace	49	37	bc	cap	om.cq	*	
Liverpool Obsy.	29.77	42	SW	5	b	29.79	-0.2	49	+8	SW	4	o	4	0.05	50	40	p.bc	bcm	og	2.5	
Holyhead	29.75	46	SW	6	bc	29.77	-0.2	50	+6	SW	7	o	6	0.02	50	43	bc	bc	or	*	
Pembroke (St. Ann's Hd.)	29.92	48	W	6	c	29.95	-0.3	50	+4	WSW	7	cgpm	6	0.02	52	44	cap	bcq	cq	3.6	
Newquay	30.03	48	NW	6	bc	30.09	-0.0	49	+1	SW	5	bc	4	0.01	50	45	b.p.b	b.b.c.	bc	3.4	
Scilly (St. Mary's)	30.05	48	WNW	6	bc	30.11	+0.1	51	+2	WSW	5	cm	5	0.10	51	45	bcp	bcq	cm	2.9	
Jersey (St. Aubin)	30.10	48	W	3	b	30.26	*	49	+2	WSW	4	bm	3	0.07	53	44	cap	c.b.c.	cap.bc	3.5	
Portland Bill	29.99	48	W	6	b	30.09	+0.3	51	+4	WSW	6	c	5	-	52	46	bc	b	b.c.c	*	
Dungeness	29.94	45	W	5	c	30.09	+0.4	49	+2	WSW	5	c	5	0.07	49	41	cap.c	c	c.b.c	*	
Dover	29.97	42	W	3	b	30.12	*	48	+4	SW	5	c	3	0.04	48	39	b.c.c.	b.c.b.	b.b.c	3.3	
Wick	29.14	38	SSW	5	c	29.21	-0.9	44	+7	SSW	5	odq	4	0.02	44	34	bc	bc.cq	c.odqm	*	
Nairn	29.26	38	SW	3	r	29.28	*	43	+6	SSW	4	o	3	0.20	43	34	cp	q.c.	rq.d	0.8	
Aberdeen	29.33	40	SW	4	bc	29.39	-1.0	44	+6	S	5	o	3	Trace	44	35	b.c.	b.b.c	bq.cq	1.1	
Leith	29.42	42	WSW	4	o	29.46	-0.9	48	+7	SW	6	rq	+	0.08	49	39	c.b.c	bcp.og	org	*	
North Shields	29.60	39	WSW	2	c	29.65	-0.6	43	+1	S	2	c	2	0.02	47	38	cy	c	r.o	?	
Spurn Head	29.77	41	WSW	4	c	29.82	+0.1	46	+4	SSW	6	bcq	5	-	46	39	c	c	a.cq	*	
Yarmouth	29.82	43	WSW	2	bc	29.97	+0.3	44	-1	SW	3	b	2	-	46	39	bc	bc	b	3.2	
Clacton-on-Sea	29.89	41	SW	2	b	30.05	+0.5	44	+1	SW	3	c	2	-	47	39	bc	bc.b.	b.b.c.	1.7	
Nottingham	29.82	41	WSW	4	b	29.88	*	47	+7	SW	4	o	*	-	47	36	bm	bm	b	1.4	
Bath	29.98	44	W	3	b	30.05	*	49	+6	WSW	4	r	*	0.07	50	41	b	b	-	4.2	
Oxford	29.99	41	SW	4	b	30.03	*	48	+8	SSW	5	o	*	-	49	39	b	b	b	*	
London (Kew Obsy.)	29.96	43	WSW	3	b	30.07	+0.2	48	+5	SW	4	c	*	Trace	48	40	bc	bc.b.	b.b.c	2.0	
Isafjord	28.56	32	W	4	o	28.60	-0.1	26	+12	NW	4	b	*	*	*	*					
Reykjavik	28.66	33	W	1	c	28.60	-0.3	28	-6	SW	1	b	*	*	*	*					
Vestmanna	28.72	34	WNW	1	bc	28.67	-0.2	32	-2	-	0	b	5	*	*	*					
Seydisfjord	28.59	36	SW	3	o	28.70	-0.0	27	-1	-	0	b	*	*	*	*					
Thorshavn	28.89	35	WSW	5	r	28.90	-0.9	39	+3	S	4	o	*	*	*	*					
Haparanda	29.99	9	SW	6	o	29.80	-0.4	21	+4	SW	6	s	*	0.04	21	9					
Hernösand	29.94	32	SE	8	s	29.51	+0.4	36	+3	S	2	o	*	0.55	37	30					
Stockholm	29.67	33	SSE	6	s	29.66	+0.2	36	+2	SW	4	o	*	0.32	36	32					
Wisby	29.76	33	SE	6	s	29.76	-0.2	39	+6	WSW	4	c	*	0.39	39	32					
Karlstad																					
Færder (Kinnia Fjord)	29.33	42	SW	7	b	29.47	-0.4	40	-1	S	6	r	4	0.51	45	39					
Bodö	29.28	36	SSE	9	o	29.23	+0.1	33	-1	E	4	s	2	?	36	32					
Christiansund	29.12	42	-	0	o	29.28	+0.4	41	-5	SW	2	bc	3	-	46	39					
Skudesnaes	29.36	43	W	4	c	29.47	+0.8	42	-3	WNW	6	c	4	0.79	45	39					
The Scaw (Slagen)	29.52	42	WSW	5	bc	29.56	-0.4	41	-2	SW	5	r	1	0.28	45	41					
Blaavands Huk	29.65	43	WSW	4	m	29.71	+0.1	44	0	W	6	m	5	0.32	45	41					
Cuxhaven	29.80	41	W	3	b	29.91	-0.2	39	-5	SW	5	bc	*	0.20	46	37					
The Helder	29.84	45	SW	3	b	29.99	+0.2	47	-1	SW	5	o	3	Trace	48	45					
Brussels	30.04	42	SW	3	o	30.21	+0.3	40	-7	SW	3	o	*	0.04	50	38					
Berlin	29.86	45	W	2	o	30.09	+0.4	39	0	SW	2	c	*	0.16	46	39					
Frankfurt	30.07	42	SW	3	c	30.28	+0.6	38	-2	SW	2	b	*	0.04	45	37					
Munich	30.14	41	SW	6	o	30.36	+0.7	38	+4	W	4	c	*	Trace	43	34					
C. Gris Nez	29.95	46	W	5	bc	30.14	+0.4	49	+1	SW	5	o	5	0.24	54	45					
La Hève	30.09	45	NW	5	o	30.25	*	43	-2	SW	5	o	5	0.04	52	39					
Brest (St. Mathieu)	30.21	49	NW	3	bc	30.31	+0.2	50	+1	WSW	3	b	5	-	54	48					
Lorient (Bec Melen)																					
Rochefort (Ile d' Aix)	30.26	50	NW	3	b	30.40	*	45	-6	SW	3	bc	*	Trace	54	43					
Biarritz	30.31	52	NNE	3	b	30.40	*	48	-2	SW	3	bc	7	0.51	54	45					
Paris																					
Belfort	30.06	46	WSW	2	b	30.32	+0.4	33	-14	SSW	2	b	*	Trace	51	33					
Lyons																					
Nice	30.27	38	N	1	b	30.41	*	38	+1	NW	2	c	*	-	41	35					
Perpignan	30.04	44	-	0	b	30.22	+0.6	43	+4	E	1	bc	*	-	50	37					
Sanguinaire	30.24	52	NW	4	o	30.38	+0.8	46	+11	NW	3	b	*	-	57	35					
Corunna (8 a.m.)	30.07	50	SW	3	m	30.07	*	52	+2	E	2	c	4	-	54	43					
Lisbon (9 a.m.)	30.42	53	NW	3	c	30.47	0.0	45	-8	ENE	3	o	8	0.04	54	43					
Gibraltar	30.37	50	NNE	5	b	30.43	+0.3	47	-5	N	4	b	6	-	55	46					
Azores (P. Delgada)	30.22	55	W	2	r	30.24	*	53	+8	W	1	o	1	0.06	57	45					
Azores (Horta)																					
Madeira (Funchal)	30.57	57	SSW	2	b	30.53	+0.1	61	+6	SSW	4	o	3	-	63	55					
	30.37	63	ENE	4	b	30.41	0.0	60	-3	ENE	4	bc	3	Trace	70	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. 12TH DEC^R



GENERAL INFERENCE

The depression over Iceland is apparently spreading southwards. A further increase in the steepness of the gradient is probable, and the

WEATHER PROSPECTS.

wind will consequently rise to the force of a gale from S.W., veering to W., on nearly all our coasts, with squally, rainy weather.

FORECASTS FOR THE 24 HOURS NOON FRIDAY

TO NOON SATURDAY

- 0 } S.W. to W. winds, increasing to a gale; mild, squally, rainy
- 1 }
- 2 } a } S.W. to W. winds, increasing to a gale; mild, squally, showery, some fair intervals.
- 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.

South Cone hoisted at 8.35 a.m.

- 6 } Same as Nos. 0 to 2.
- 7 }
- 8 } Same as Nos. 3 to 5.
- 9 }
- 10 } Same as Nos. 0 to 2.

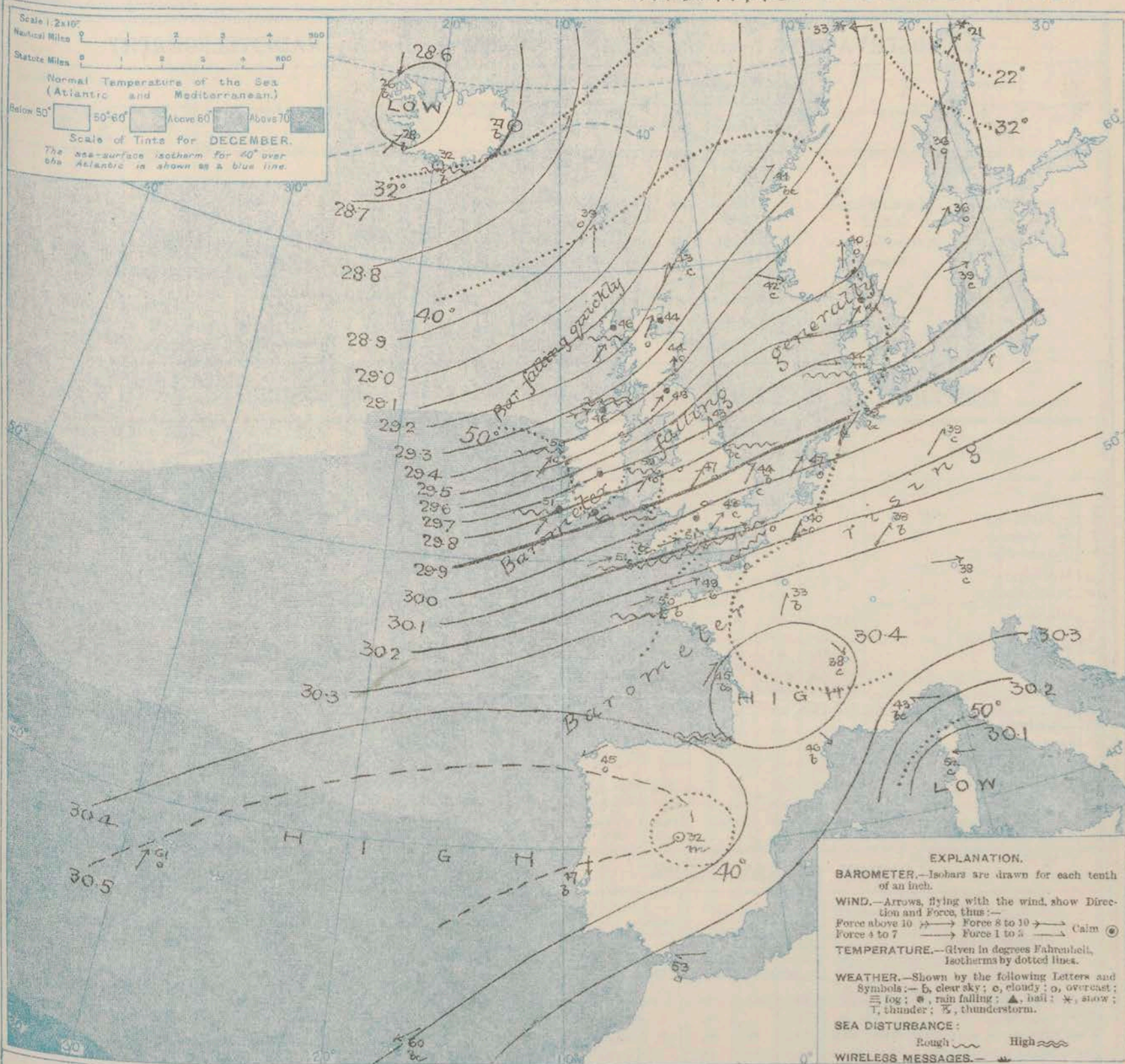
11 WESTERN CHANNEL AND BAY.

S.W. winds, increasing to a gale, with a rough or high sea; fair at first, squally and showery later; mild.

THE FURTHER OUTLOOK (all districts).

Rough, changeable weather is likely to continue.

SYNOPTIC CHART FOR 7 A.M. FRIDAY, 13TH DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Barometrical pressure ranges from 30.4 in. and upwards in an anticyclone over Central and Southern France to 28.6 in. and less in a depression over Western Iceland. The mercury is falling quickly in Ireland and Scotland, and the barometric gradient over North Western Europe is becoming very steep.

Increasing S.W. winds are reported over the whole of our islands and the neighbouring parts of the Continent. Over the south of France an anticyclonic circulation of light winds is in progress.

Temperature has risen over the United Kingdom generally, and now ranges from 50° or a trifle above it at many of the western and southwestern stations to a trifle below 45° on the east and northeast coasts of Great Britain. Over a large portion of the Continent the thermometer is below 40°. The weather is fair or fine in France, Germany and the south and east of England and also in Iceland. Elsewhere the sky is overcast with rain in Ireland and Scotland, as well as in the neighbourhood of the Christiania Fjord. The sea is high off the north of Ireland, and rough or rather rough on all but our east coasts.

DAILY WEATHER REPORT.

Friday, 13th Decr. 1912.

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 7am.	49	11	Lake Michigan	H	30.00	-0.1	?	?	r										
12th 6pm.	51	12	Celtic	H	29.86	+0.2	WSW	6-7	r										
" "	50	15	Lake Michigan	H	30.04	+0.2	WSW	6-7	bc										
" "	51	16	Megantic	O	30.04	+0.3	WSW	8-9	o										
" 1pm.	49	12	Kronland	H	30.04	+0.1	W	6-7	z										
" 7am.	49	14			30.00	-0.2	WNW	6-7	z										
" "	50	16	Celtic	H	29.88	-0.2	WNW	6-7	bc										
" "	50	17	Lake Michigan	H	29.97	-0.3	W	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.	Oban	0.71	48	38	bc	r-o-c	0.2	England, S.E.	Ramsgate	0.12	51	41	"	"	1.6
	Stonehaven	"	"	"	"	"	"		Margate	0.05	47	43	r. bc	bc	2.5
	St. Andrews	"	"	"	"	"	"		Deal	0.10	51	42	or. bc	or. bc	2.7
	Carnoustie	"	"	"	"	"	"		Littlestone	"	"	"	"	"	2.5
England, N.E.	Harrogate	0.21	42	36	c	c-bc-bq	0.1	England, S.W.	Folkestone	0.12	48	42	bc-r	c	3.2
	Scarborough	"	44	38	c-b	og	0.0		Hastings	0.19	51	41	op. bc	bc-b	3.2
England, N.W.	Blackpool	0.11	45	41	r-o-c	bc	2.3	England, S.W.	Bexhill-on-Sea	0.16	48	42	op. bc	bc	2.3
	Southport	0.19	45	39	bc-ohr	0-bc-b	2.7		Eastbourne	0.27	52	44	o-bq	o-c-o	0.0
	Buxton	1.04	41	36	bc-r	b	0.5		Seaford	0.28	52	44	p	bc-bc	3.8
	Douglas	"	"	"	"	"	"		Brighton	0.21	48	44	op. bc	bc-bc	4.6
Wales.	Rhyl	0.42	56	37	"	"	3.6	England, S.W.	Worthing	0.15	48	43	c-b	b	4.7
	Colwyn Bay	0.23	45	41	p-o-bc-b	bc-bc	3.0		Littlehampton	"	"	"	"	"	3.8
	Llandudno	0.33	46	41	bc	b	2.9		Southsea	0.02	48	43	bc	bc	3.9
	Bettws y-Coed	"	"	"	"	"	"		Bournemouth	0.39	48	42	bc	b	4.6
England, E.	Aberystwyth	0.64	47	41	r-o-c	c-o	2.5	England, S.W.	Weymouth	0.36	49	44	bc-b	b	4.5
	Walton-on-the-Naze	0.17	46	40	m-b-o	o-c-bc	1.7		Teignmouth	0.38	49	42	ra-b-p	b	3.6
	Lowestoft	0.09	50	41	bc	bm	4.0		Torquay	0.41	49	42	bc	bc	3.5
	Felixstowe	0.06	46	42	bc	bm	1.9		Paignton	0.37	50	41	or.	bc	3.5
England, E.	Southend-on-Sea	0.09	47	41	bc-b	d-bc-b	2.8	England, S.W.	Weston-super-Mare	0.43	48	40	bc-b	bc-bc	2.5
	"	"	"	"	"	"	"		Ulfracombe	0.75	48	42	c-bc	bc-c	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.	
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In.	Max.	Min.	Min. on Grass.	Night.	Fore-noon.		After-noon.
			Max.	Min.																
%	%				In.				Hr.											
Greenwich (Royal Obay.) ...	69	82	50	40	33	0.01	a.r	b. bc	bc. c. o	1.0	Dublin to 4 p.m.	-	44	39	35	o. bc	b	bc. c	5.3	
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	"	0.0	Plymouth to 9 p.m.	0.21	50	43	36	bc	bc. b	bc	0.0	
Westminster (St. James's Pk.)	82	86	51	42	35	-	bc	bc	bc	0.3	Darwen	0.37	47	35	32	ohr. b	cllu	or.	0.0	
Camden Sq. (Brit. Rainfall)	76	86	50	40	34	-	c. bc	bc. b	b. o	1.0	Manchester	0.22	44	38	"	or.	cp	c	2.3	
Hampstead (Reservoir) ...	"	85	48	39	34	-	bc	bc. b	c. o	1.2	Birmingham	0.35	50	36	28	r	bc	b		
			24 HOURS ENDED 6 P.M. YESTERDAY.				Night.	Fore-noon.	After-noon.											
South Kensington ...	"	"	52	43	35	0.14	or. c	p. bc. c	c. bc. b	1.1										
" " (Roof of M.O.)	79	80	52	44	"	"														

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

13th 14 Decr. 1912.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 7.58	G.M.T. 11.47	G.M.T. 3.36
Greenwich	7.59	11.48	3.36
Wick	8.56	12.6	3.16
Valencia	8.43	12.35	4.27
	8.44	12.36	4.27

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to 50° or slightly above it at several of our western and southern stations, but in many parts of north Britain it did not reach 45°. The amount of bright sunshine was generally rather large for the time of year. Showers fell in many districts, and lightning was seen at Wick, Stormway and Liverpool. Still reports show that as far west as the 17th meridian ships experienced strong easterly winds, 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 wrappers.

1912.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

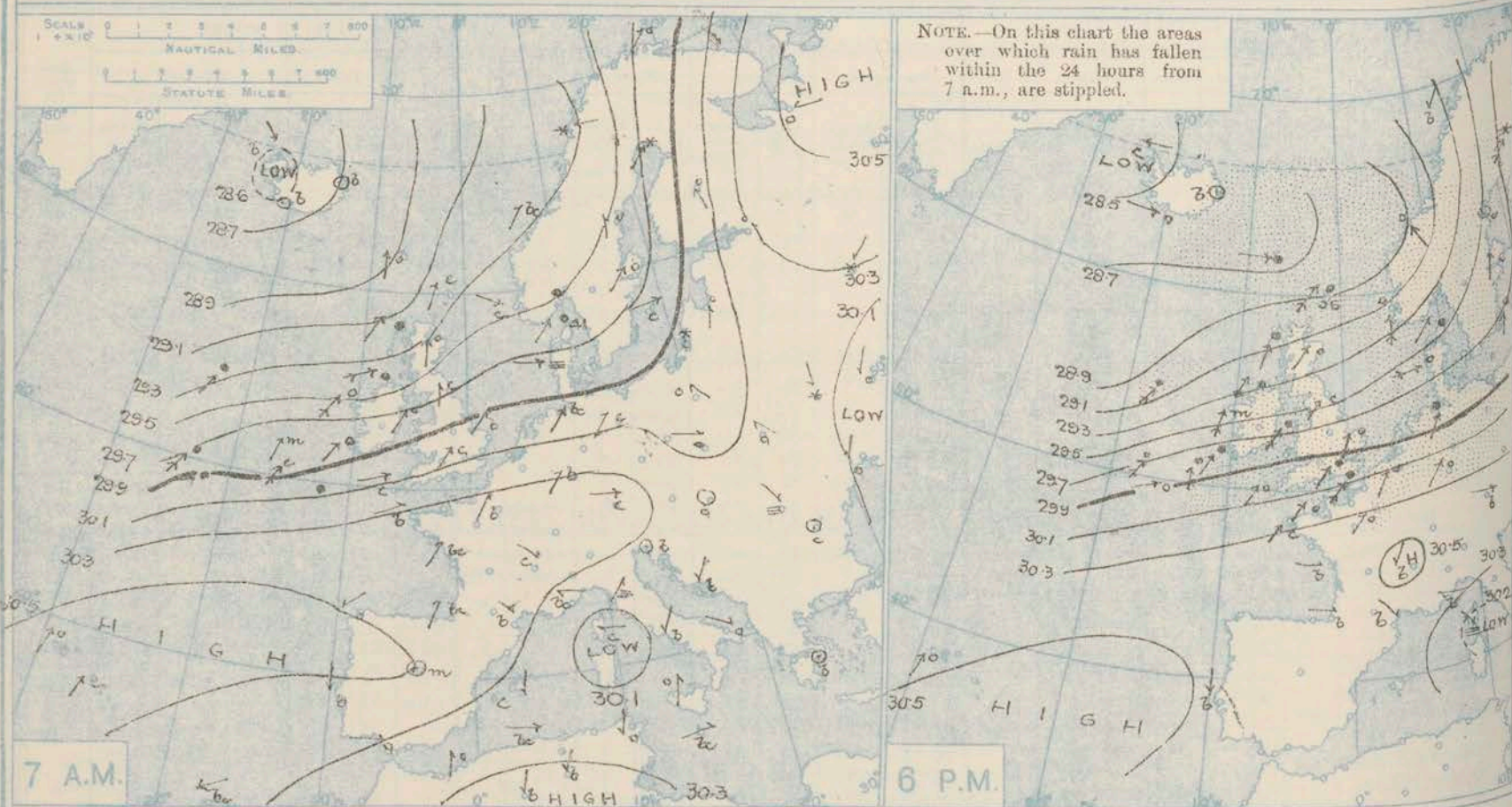
Saturday
11th December, 1912.

14th December, 1912.																						
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.	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.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.	
		In.	°	Dir.	Force (0 to 12).	Weather.	In.	In.	°	°	Dir.	Force (0 to 12).	Weather.	Sea (0 to 9).	In.	°	°	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	28.87	46	SW	8	o	28.70	+0.3	39	-4	WNW	3	r	5	0.64	48	38	org	opg	omr	+	
	Stornoway	29.06	44	SSW	4	+	29.06	+1.3	42	-4	WNW	5	bc	6	0.39	53	44	o-cpq	c-opq	ot-bcg	0.0	
	Castlebay (Barra Isd.)	29.14	49	SW	9	fmq	29.37	+0.6	49	+3	W	9	cqpm	7	0.16	51	45	oqpo	qtm	zqp	+	
	Blacksod Point	29.40	53	SSW	8	m	29.87	+0.7	54	+3	SW	5	o	6	0.24	55	50	omr	omr	omr	0.0	
	Valencia	29.76	54	SW	6	+	29.87	+0.7	54	+3	SW	5	o	6	0.24	55	50	omr	omr	omr	0.0	
	Roche's Point	29.78	53	WSW	6	omd	29.87	+	54	+4	WSW	5	o	6	0.06	55	50	odm	odm	od	+	
	Birr Castle	29.60	55	WSW	6	r	29.70	+	55	+7	WSW	7	o	5	0.10	56	42	crg	org	ot-qgp	0.0	
	Donaghadee	29.44	53	SW	3	cp	29.46	+0.9	53	+4	SW	8	c	5	0.07	56	48	cap	cp	cqp	+	
	Liverpool Obsy.	29.63	52	SW	6	o	29.66	+0.5	52	+3	SW	5	o	5	0.06	55	45	og	org	ogp	+	
	Holyhead	29.66	52	SW	8	r	29.68	+0.2	52	+2	SW	5	o	4	0.08	53	49	rg	od	odm	+	
	Pembroke (St. Ann's Hd.)	29.82	52	SW	7	r	29.87	+0.2	54	+4	WSW	8	oqgm	7	0.30	55	49	cqgm	orgm	oqdm	0.0	
	Newquay	30.01	52	SW	5	ot	30.04	+0.2	52	+3	SW	7	oqgm	5	0.18	53	49	oqgm	omr	omr	0.0	
	Scilly (St. Mary's)	30.01	52	WSW	6	omq	30.06	+0.2	53	+2	W	6	oqgm	6	0.05	53	49	orgm	cqgm	oqgm	0.0	
	Jersey (St. Aubin)	30.25	52	SW	3	omq	30.20	+	53	+4	SW	6	oqgm	5	0.02	53	48	omr	omr	oqgm	0.3	
	Portland Bill	30.01	52	SW	7	o	30.01	+0.3	53	+2	SW	7	c	6	0.06	53	50	c	c-r.c	ot-o.c	+	
	Dungeness	29.99	51	SW	8	fq	29.89	+0.1	52	+3	WSW	9	rg	7	0.03	52	48	crg	org	dpq	+	
	Dover	29.99	49	WSW	8	r	29.97	+	52	+4	SW	7	r	6	0.03	52	47	c	ot-o.c	ot-o.c	0.0	
	Wick	29.08	46	SSW	3	o	28.88	+0.8	44	0	SW	8	cqp	6	0.15	52	42	cqgm	omq	cq-cq	+	
	Nairn	29.16	44	WSW	2	r	29.01	+	46	+3	WNW	6	r	4	0.44	53	41	q/p	q/p	rg	0.0	
	Aberdeen	29.21	50	SW	4	o	29.10	+1.0	47	+3	WSW	5	b	3	-	58	44	c-bcg	b-cg	o-c-bq	0.3	
Leith	29.31	48	WSW	3	r	29.26	+1.0	50	+2	WSW	7	o	3	0.22	57	48	orga	opg	cqp	+		
North Shields	29.45	53	SW	4	c	29.35	+0.2	58	+15	SW	7	c	3	0.01	58	41	r.c	c	c-r	+		
Spurn Head	29.65	49	SSW	8	o	29.51	0.0	53	+7	WSW	8	cq	7	-	54	44	cq	cq	cq	+		
Yarmouth	29.86	50	SSW	4	o	29.74	+0.3	55	+11	WSW	4	bc	4	0.03	56	42	b.o	o	op-bc	0.0		
Clacton-on-Sea	29.95	47	SW	5	o	29.84	+0.1	52	+8	WSW	15	o	5	Trace	53	44	c-qg	oqg	ogp-og	0.0		
Nottingham	29.75	52	SW	6	o	29.64	+	57	+10	WSW	8	b	5	0.06	57	47	o	or	op	0.0		
Bath	29.95	52	SW	7	o	29.95	+	53	+4	WSW	6	r	5	0.08	56	48	o	dq	-	0.0		
Oxford	29.90	53	SW	8	o	29.90	+	54	+6	SW	9	oqg	5	Trace	55	48	c-cq	og-o-c	oq-oq	0.0		
London (Kew Obsy.)	29.92	51	SW	5	ogd	29.91	+0.3	55	+7	WSW	5	oqg	5	0.02	55	47	c-qg	ogd	oqg	0.0		
ICELAND & FAEROE.	Isafjord	28.49	32	E	7	c	28.68	+0.6	28	+2	N	4	o	+	+	+	+	+	+	+		
	Reykjavik	28.50	31	SW	1	o	28.78	+0.8	30	+2	NE	4	b	+	+	+	+	+	+	+		
	Vestmanna	28.58	32	W	4	o	28.86	+0.5	34	+2	-	0	b	3	+	+	+	+	+	+		
	Seydisfjord	28.58	25	-	0	b	28.61	+0.9	29	+2	NW	7	s	+	+	+	+	+	+	+		
	Thorshavn	28.64	37	W	6	r	28.75	+0.9	39	0	W	5	c	+	+	+	+	+	+	+		
SCANDINAVIA.	Haparanda	29.73	23	SW	8	s	29.40	-1.2	17	-4	SW	6	o	+	0.28	23	17	+	+	+		
	Hernösand	29.52	36	-	0	o	29.00	-2.4	36	0	SE	6	r	+	0.16	39	30	+	+	+		
	Stockholm	29.58	36	S	2	c	29.07	-2.4	40	+4	SSE	4	r	+	0.12	40	34	+	+	+		
	Wisby	29.69	39	S	4	o	29.21	-2.0	42	+3	SSE	6	r	+	0.24	43	36	+	+	+		
	Karlstad	29.46	36	SSE	4	r	28.80	-2.4	42	+3	SSE	6	r	+	0.24	42	37	+	+	+		
	Færder (X'ania Fiord)	29.32	42	SSE	7	r	28.69	-2.6	45	+5	SW	8	m	5	0.12	45	39	+	+	+		
	Bodö	29.24	36	NNE	2	b	28.75	-1.6	33	0	E	7	o	3	-	36	33	+	+	+		
	Christiansund	28.86	44	ESE	5	o	28.60	-1.4	41	0	-	0	o	3	0.08	45	39	+	+	+		
	Skudesnaes	29.16	46	S	8	o	28.73	-1.3	48	+6	WNW	9	o	7	0.39	48	37	+	+	+		
	The Scaw (Skagen)	29.40	45	SW	6	r	28.93	-1.0	50	+9	W	9	r	3	0.20	50	41	+	+	+		
GERMANY, &c.	Blaavands Huk	29.60	46	WSW	8	o	29.27	-0.8	48	+4	WSW	10	o	9	0.43	48	43	+	+	+		
	Cuxhaven	29.83	45	SW	6	r	29.56	-0.4	49	+10	W	8	o	+	0.28	49	39	+	+	+		
	The Helder	29.87	48	SSW	8	r	29.69	+0.1	51	+4	SSW	8	o	5	0.08	50	46	+	+	+		
	Brussels	30.14	46	SW	5	o	29.99	-0.2	50	+10	SW	6	o	+	0.08	50	39	+	+	+		
	Berlin	30.29	40	SW	6	o	30.14	-0.4	43	+5	SW	6	o	+	0.04	43	37	+	+	+		
FRANCE.	Frankfurt	30.45	35	W	5	b	30.32	-0.2	40	+2	W	7	o	+	-	41	32	+	+	+		
	Munich	30.06	49	SSW	7	r	29.97	-0.1	50	+1	SSW	8	r	8	0.12	50	48	+	+	+		
	C. Gris Nez	30.21	45	SW	6	o	30.12	+	42	-1	SW	6	o	6	-	50	39	+	+	+		
	La Hève	30.28	49	NW	3	bc	30.28	+0.2	51	+1	WSW	5	f	4	-	54	49	+	+	+		
	Brest (St. Mathieu)	30.24	52	SW	5	c	30.33	+	54	-6	WSW	5	r	6	-	54	45	+	+	+		
	Lorient (Bec Melan)	30.47	46	W	3	b	30.49	+	52	+7	WSW	3	o	+	-	52	45	+	+	+		
	Rochefort (Ile d'Als)	30.46	50	W	3	b	30.57	+	45	-3	S	3	b	5	-	52	43	+	+	+		
	Biarritz	30.34	45	SW	3	o	30.26	-0.1	50	+17	SW	4	o	+	0.04	50	32	+	+	+		
	Paris	30.54	37	NNE	1	b	30.63	+	31	-7	SW	1	f	+	-	46	30	+	+	+		
	Belfort	30.35	45	E	1	b	30.43	+0.2	43	0	-	0	b	2	-	54	39	+	+	+		
SPAIN, PORTUGAL, &c.	Lyons	30.45	46	NW	2	b	30.54	+0.2	42	-4	W	2	b	+	-	55	37	+	+	+		
	Nice	30.19	50	NW	2	m	30.31	+	51	-1	E	2	m	3	-	57	45	+	+	+		
	Perpignan	30.47	49	N	4	b	30.54	+0.4	44	-3	NNE	5	b	6	-	55	43	+	+	+	</	

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. 13TH DEC.



GENERAL INFERENCE

The deep depression in the north will continue to travel eastward. Secondary disturbances will pass across the United Kingdom to-day, and in their

WEATHER PROSPECTS.

near the wind will probably shift to the N.E. on the Irish and Scotch coasts, with a fall of temperature. The gales are likely to moderate gradually in the course of [to-morrow].

FORECASTS FOR THE 24 HOURS NOON SATURDAY

- 0 { S.W. to N.W. gales and strong winds; squally, showery; becoming cooler.
- 1 {
- 2 { S.W. to S. gales and strong winds, moderating gradually later.
- 3 { squally, showery, some fair intervals; mild to-day, cooler to-morrow.
- 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.

South Cone hoisted yesterday on all coasts.

TO NOON SUNDAY.

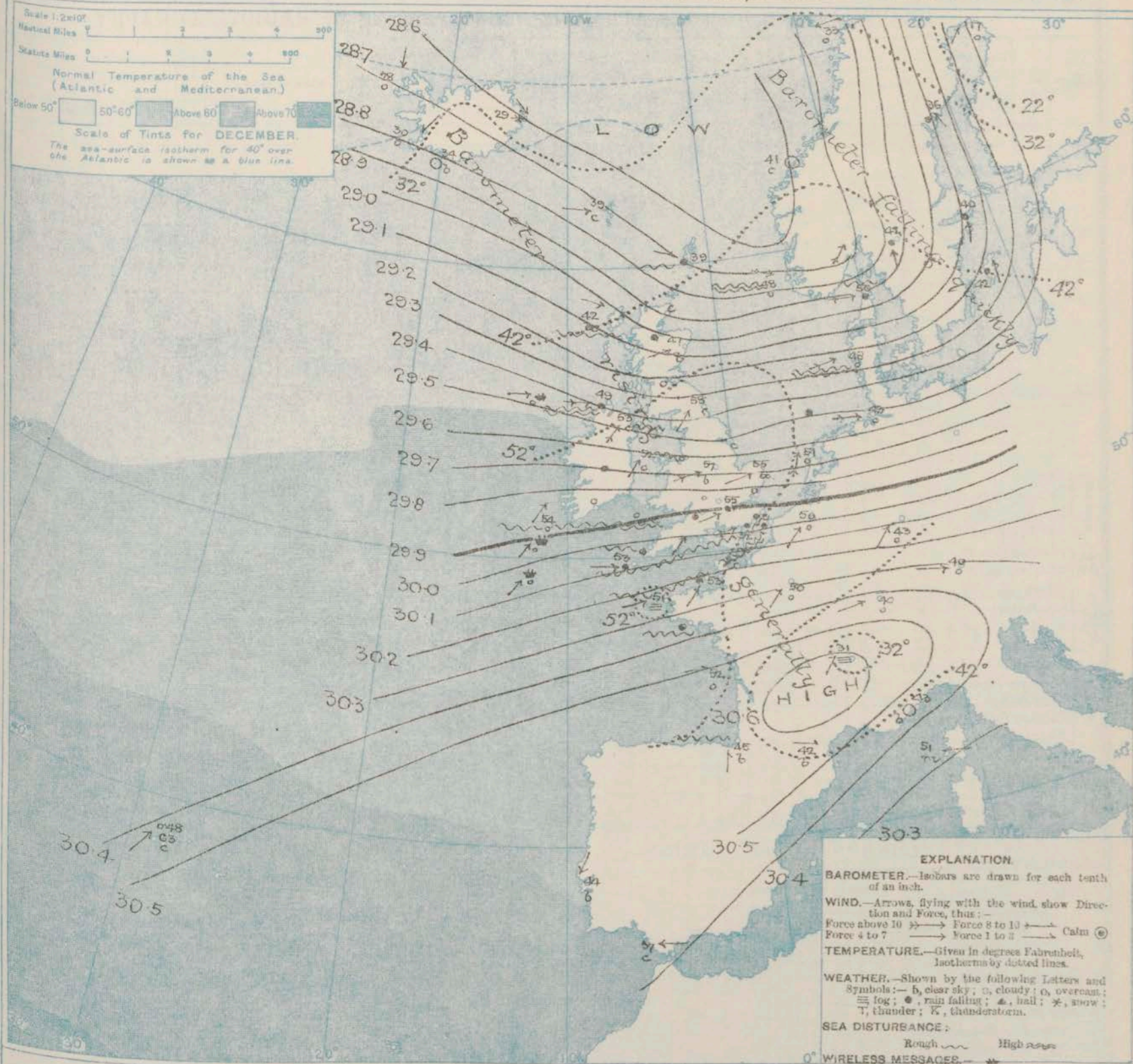
- Same as Nos. 0 & 1.
- 6 {
 - 7 { S.W. to S. or N.W. gales and strong winds, moderating gradually to-morrow; squally.
 - 8 { showery; mild at first, cooler later.
 - 9 {
 - 10 {

11 WESTERN CHANNEL AND BAY.

S.W. gales north Channel and upper part Bay, with squally, showery weather, and a rough sea; fresh winds further south, with fair weather, and a moderate sea.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. SATURDAY, 14TH DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The deep depression noticed yesterday over Iceland is moving eastward towards the Norwegian coast, and is causing a very brisk fall of the barometer over the whole of Scandinavia. Over the United Kingdom and in Iceland the mercury is rising. Over North-Western Europe generally the barometric gradient is very steep.

Gales and high winds from the S.W. and S.E. are reported over the whole of the United Kingdom, the North Sea and the neighbouring parts of the Continent. Temperature has risen generally,

and is now above 50° over nearly the whole of Ireland, England, the Netherlands and the north of France. In some parts of Northern and Central England it is above 55°, and is about 20° above the average for the time of year. Slight frost prevails at inland stations in the south of France, as well as in Iceland. The weather is in a squally, changeable condition generally, with showers in several parts of the United Kingdom, rain in Sweden, and snow in Eastern Iceland. In the south of France the sky is clear. The sea is high or rough on all coasts.

DAILY WEATHER REPORT.

Saturday, 14th Dec., 1912

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 7 a.m.	49	11	Montrose	H	30.07	+0.6	SW	6-7	0										
" " 55	11		Cameronia	H	29.42	+0.8	W	6-7	0	13th 6 p.m.	51	12	Victorian	H	29.82	+0.4	SSW	6-7	0
" " 51	17		Carmania	H	29.85	+0.6	SW	6-7	0	" 7 a.m.	51	16		H	29.78	+0.1	SSW	6-7	0
12th 6 p.m.	50	17		H	29.70	+0.2	SW	8-9	0	" "	50	15	Ascania	O	29.79	-0.4	SW	8-9	0
" " 54	17		Cameronia	H	28.98	+0.5	SW	8-9	0	" "	49	20	Majestic	H	29.91	0.0	WSW	6-7	0
" " 50	17		Ascania	O	29.72	-0.2	SW	8-9	0	" "	54	22	Cameronia	H	29.24	+0.1	SW	6-7	0
" " 49	15		Montrose	H	29.93	+0.2	WSW	6-7	0	" "	50	22	Carmania	H	29.67	-0.3	SW	8-9	0
" " 49	15		Majestic	H	29.94	+0.4	WSW	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.					Hr.	Ramsgate ...	In.					Hr.
Stonehaven ...							Margate ...	0.01	51	39			
St. Andrews ...	0.13	51	39			0.0	Deal ...	0.02	50	40	c. bc	cp. dg	0.0
Carnoustie ...							Littlestone ...						
England, N.W.							Folkestone ...		50	39	c. o	oe	0.0
Harrogate ...	0.12	51	38	p. o	d. o	0.0	Hastings ...	0.01	50	41	b. bc. o	o	0.0
Scarborough ...		50	46	o. c	og	0.0	Bexhill-on-Sea ...		51	42	o	g. oe	0.0
Blackpool ...	0.08	51	44	orq	orq	0.0	Eastbourne ...	0.09	52	47	om	og	0.0
Southport ...	0.05	51	43	op	op. o	0.0	Seaford ...		51	45	o	o	0.0
Buxton ...	0.05	48	35	crq	crq	0.0	Brighton ...		51	43	o	o	0.0
Douglas ...							Worthing ...	0.01	51	40	o	o	0.0
Wales.							Littlehampton ...	*	*	*	*	*	0.0
Rhyl ...	0.12	55	41			0.0	Southsea ...	0.01	51	43	o. oe	o. or	0.0
Colwyn Bay ...	0.14	55	43	p	p	0.0	Bournemouth ...	0.05	52	42	o	o	0.0
Llandudno ...	0.27	52	43	oru	r	0.0	Weymouth ...	0.03	52	45	c. o	o. ro	0.0
Bettws y-Coed ...							Teignmouth ...	0.05	52	43	c. o d	o. r	0.0
Aberystwyth ...	0.32	52	46	o. c. r	o. r	0.0	Torquay ...	0.04	53	43	o	o	0.0
England, E.							Paignton ...	0.09	52	42	o	r	0.0
Walton-on-the-Naze ...		49	45	bc. o	og	0.0	Weston-super-Mare ...	0.17	51	44	c. o	r	0.0
Lowestoft ...		51	38	o	o	0.0	Utracombe ...	0.28	52	47	o. r	r	0.0
Felixstowe ...		50	39	m. o	o	0.0							
Southend-on-Sea ...		50	39	o	o	0.0							

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rainfall.	WEATHER.		Sunshine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.	Min. on Grass.		Forenoon.	Afternoon.	
Greenwich (Royal Obs.) ...	77	83	55	50	46	0.01	o	op
City (Banhill Row) ...								0.0
Westminster (St. James's Pk.)	80	86	55	50	46	0.01	c	oe
Camden Sq. (Brit. Rainfall)	78	82	55	49	47	0.02	o	orq
Hampstead (Reservoir) ...		86	53	47	45	0.02	c. od	oe
24 HOURS ENDED 9 A.M. TO-DAY.								
South Kensington ...			52	41	33	tr. c	o. oq	oq. r
" (Roof of M.O.)	74	81	52	42		b. o	o. oq	oq. r
24 HOURS ENDED 6 P.M. YESTERDAY.								
						Night.	Forenoon.	Afternoon.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine for Yesterday.
		In Screen.	Min. on Grass.	Night.	Forenoon.	
Dublin to 4 p.m.	0.03	55	45	42	6.0q	9.0p
Plymouth to 9 p.m.					or	or
Darwen "	0.39	50	39	36	oru	oru
Manchester "					o	o
Birmingham "		52	39	32	o	o

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

14th & 15th Dec., 1912.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.59	11.48	3.36
	8.0	11.48	3.36
Greenwich ...	8.0	11.55	3.49
	8.1	11.55	3.49
Wick ...	8.57	12.7	3.16
	8.58	12.7	3.16
Valencia ...	8.44	12.36	4.27
	8.45	12.36	4.27

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to 50° and upwards in nearly all parts of the United Kingdom, and to 55° at Rhyl, Colwyn Bay, and Valencia; in the course of the night it has exceeded 55° in several places. Nearly all stations experienced an entire absence of bright sunshine. Rain fell generally, and a strong to a whole gale from the South-Westward was experienced on many parts of our coasts. Wireless reports show that as far west as the 22nd meridian ships experienced gales and high winds from West or South-West and squally rainy 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. hour 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 1s per annum, for postage and wrapping.

1912.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

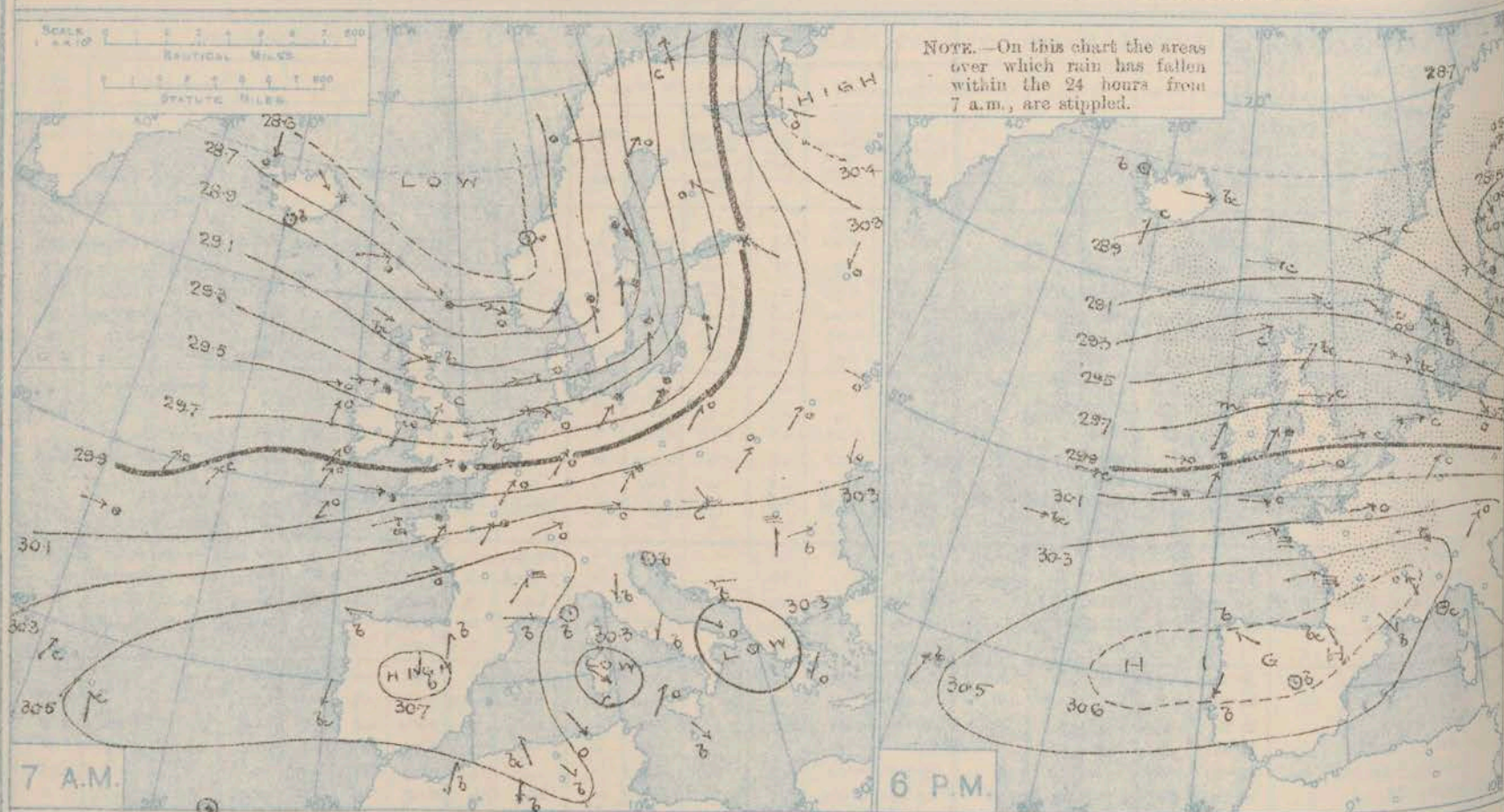
Sunday,
15th December, 1912.

15th December, 1912.																					
STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shines for Yester- day.
	Barom.	Temp.	Wind.	Force	Weather.	Barometen.	Temp.	Wind.	Force	Weather.	Sea	Rain- fall.	Temp.		Weather.						
													At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Max.	Min.	Morn's 7 a.m. to 1 p.m.	Aftern. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.		
																				Hours.	
Lerwick	29.23	41	W	5	c	29.09	38	WSW	6	sq	4	0.23	43	36	cpq	cpq	cpq				
Stornoway	29.41	41	WSW	5	c	29.40	38	W	8	q	7	0.34	42	37	cp	bcq	cpq	1.0			
Castlebay (Barra Isd.)	29.48	48	WSW	5	b	29.56	43	WSW	6	cpb	6	0.08	48	39	bcq	bcq	bcq	0.0			
Malin Head	29.54	47	W	7	mgo	29.70	45	WSW	9	cpq	7	0.15	49	42	ngm	bcq	bcq				
Blacksod Point	29.69	48	SSW	5	m	29.89	47	W	8	q	6	0.17	51	45	omq	omq	omq				
Valencia	29.88	54	SW	5	r	30.11	50	SW	4	o	5	0.21	55	49	omq	omq	bc.c	0.0			
Roche's Point	29.92	53	SW	5	r	30.16	49	W	3	o	4	0.03	55	46	omd	omd	o.b.c.				
Birr Castle	29.74	54	SW	5	r	30.00	47	SW	5	c	4	0.15	55	42	c	ot	cp	0.0			
Donaghadee	29.73	46	SSW	2	r	29.82	45	WSW	6	bcq	2	0.10	53	42	bcq	omr	bcq				
Liverpool Obsy.	29.81	51	WSW	3	r	29.97	47	WSW	6	c	5	0.08	55	45	bcq	q	bcq	0.7			
Holyhead	29.79	52	SW	5	r	30.01	48	SW	6	b	5	0.22	53	46	ob	obd	bcq				
Pembroke (St. Ann's Hd.)	29.94	52	SW	7	o	30.16	50	W	6	bcq	6	0.03	54	50	cpm	omd	omq	0.0			
Newquay	30.12	52	SW	6	o	30.25	50	SW	2	bc	4	0.04	53	50	of	omd	omr	0.0			
Scilly (St. Mary's)	30.14	52	W	5	omq	30.29	52	W	4	omd	6	0.09	54	50	omd	omd	omd	0.0			
Jersey (St. Aubin)	30.28	53	WSW	5	omd	30.35	53	W	6	omd	5	0.01	55	52	omd	omd	omd	0.1			
Portland Bill	30.07	53	WSW	8	o	30.22	52	W	4	bc	5	0.04	53	51	q	omd	o.c.				
Dungeness	30.05	52	SW	7	og	30.12	51	W	4	c	4	0.04	52	49	bcq	og	odq				
Dover	30.07	52	WSW	4	o	30.18	51	W	4	bc	2	0.02	54	51	d.o	od.o	od.o	0.0			
Wick	29.40	37	SW	3	bc	29.33	36	NW	4	c	3	0.28	44	36	cpq	omr	cpq				
Nairn	29.47	37	W	1	c	29.42	39	WSW	6	tg	4	0.28	47	34	q	q	q	0.0			
Aberdeen	29.52	41	SW	3	bc	29.49	38	SW	4	b	2	0.04	48	38	bcq	b.c.	bcq	1.0			
Leith	29.61	46	SW	4	o	29.61	43	WSW	6	og	4	0.09	51	42	cpq	og	og				
North Shields	29.68	48	W	5	c	29.77	47	W	6	c	3	0.03	58	42	c	r	c	0.5			
Spurn Head	29.80	51	WSW	3	bc	29.89	45	WSW	7	bcq	6	0.10	56	43	bcq	c	cpq				
Yarmouth	29.89	56	WSW	4	c	29.98	49	W	4	bc	4	0.12	58	49	bc	bc.c	ot.c.	0.0			
Clacton-on-Sea	29.99	54	WSW	5	o	30.08	50	W	5	bc	4	0.01	54	50	og	og	og	0.0			
Nottingham	29.84	54	SW	4	bc	30.01	45	W	5	b	4	0.04	54	45	bc	c.b.c.	bc.c.	3.5			
Bath	30.03	55	W	6	o	30.18	50	WSW	7	c	4	0.05	57	49	dq	o.c.o.	-	0.0			
Oxford	29.98	54	SW	7	o	30.17	45	SW	2	b	4	0.01	56	45	ogq	og	odq				
London (Kew Obsy.)	30.03	55	WSW	3	o	30.16	50	W	4	bc	4	0.02	56	50	odq	og	odq	0.0			
Isafjord	28.79	25	-	0	b	28.88	21	NW	2	b	2	0.04	23	14							
Reykjavik	28.82	28	E	2	o	28.85	28	-	0	c	2	0.04	23	14							
Vestmanna	28.86	32	SSW	2	c	28.90	28	SSE	2	s	3	0.04	23	14							
Seydisfjord	28.85	28	W	4	bc	28.85	26	-	0	bc	2	0.04	23	14							
Thorshavn	29.06	40	W	5	c	28.94	37	W	5	c	2	0.04	23	14							
Haparanda	28.49	16	SW	6	s	28.75	23	ESE	6	s	2	0.47	23	14							
Hernösand	28.58	34	NNW	4	s	28.80	29	-	0	bc	2	0.75	23	14							
Stockholm	28.74	44	SW	9	r	29.02	36	W	8	b	2	0.39	23	14							
Wisby	28.93	41	SW	6	bc	29.17	40	W	8	b	2	0.08	45	36							
Karlstad	29.06	43	NNW	6	b	29.12	36	NNW	6	bc	2	0.08	45	36							
Fæder (Xiania Fjord)	28.65	34	E	4	o	28.67	26	E	5	s	2	0.04	23	14							
Bodö	28.85	39	WSW	8	c	28.91	35	SW	7	o	4	0.16	43	35							
Christiansund	29.28	44	NNW	8	c	29.17	42	NNW	9	c	7	0.59	48	37							
Skudesnaes	29.23	44	NNW	9	b	29.25	43	NNW	8	o	3	0.08	50	41							
The Scaw (Skagen)	29.57	44	NNW	10	bc	29.49	46	W	7	o	6	0.08	48	41							
Blaavands Huk	29.73	48	W	9	o	29.67	45	W	5	og	4	0.32	52	45							
Cuxhaven	29.88	50	SW	5	o	29.93	48	W	8	bc	5	0.24	51	48							
The Helder	30.10	53	WSW	6	r	30.13	52	W	6	r	4	0.04	54	49							
Brussels	29.71	53	NNW	4	o	29.65	51	W	6	o	4	0.67	55	45							
Berlin	30.14	50	SW	6	o	30.10	53	SW	7	o	4	0.04	54	43							
Frankfurt	30.32	44	SW	7	o	30.28	46	W	7	o	4	0.04	46	39							
Munich	30.08	52	WSW	7	o	30.15	51	W	7	bc	6	0.24	52	50							
C. Gris Nez	30.18	45	WSW	6	o	30.29	42	W	6	bc	6	0.08	50	39							
La Hève	30.39	51	WSW	5	o	30.44	51	WSW	4	bc	5	0.04	54	50							
Brest (St. Mathieu)	30.39	53	NNW	5	o	30.39	54	WSW	4	bc	5	0.04	54	50							
Lorient (Bec Melen)	30.53	52	WSW	4	o	30.54	53	W	3	o	5	0.08	54	52							
Rochefort (Ile d'Aix)	30.61	49	SE	2	bc	30.52	48	S	3	o	5	0.04	54	45							
Biarritz	30.32	54	WSW	4	o	30.36	54	SW	4	o	4	0.04	55	48							
Paris	30.50	41	W	5	r	30.50	45	SW	7	r	4	0.43	45	40							
Belfort	30.62	37	SE	1	o	30.65	40	SE	1	o	2	0.04	42	31							
Lyons	30.43	44	-	0	c	30.43	42	-	0	c	2	0.04	42	39							
Nice	30.56	52	NNW	3	b	30.58	52	NNW	3	b	3	0.04	54	42							
Perpignan	30.60	57	ESE	1	b	30.63	41	ESE	1	b	0	0.04	57	39							
Sanguinaire	30.59	50	NNE	5	b	30.59	45	NNE	4	b	5	0.04	55	44							
Corunna (8 a.m.)	30.51	57	E	4	c	30.48	57	E	4	c	1	0.04	61	56							
Lisbon (9 a.m.)	30.48	61	SSW	4	b	30.45	61	S	3	c	3	0.04	66	59							
Gibraltar	30.32	62	NE	3	r	30.35	62	SSE	3	o	3	0.32	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. 14TH DEC^R



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

None issued.

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 7.15 p.m. yesterday

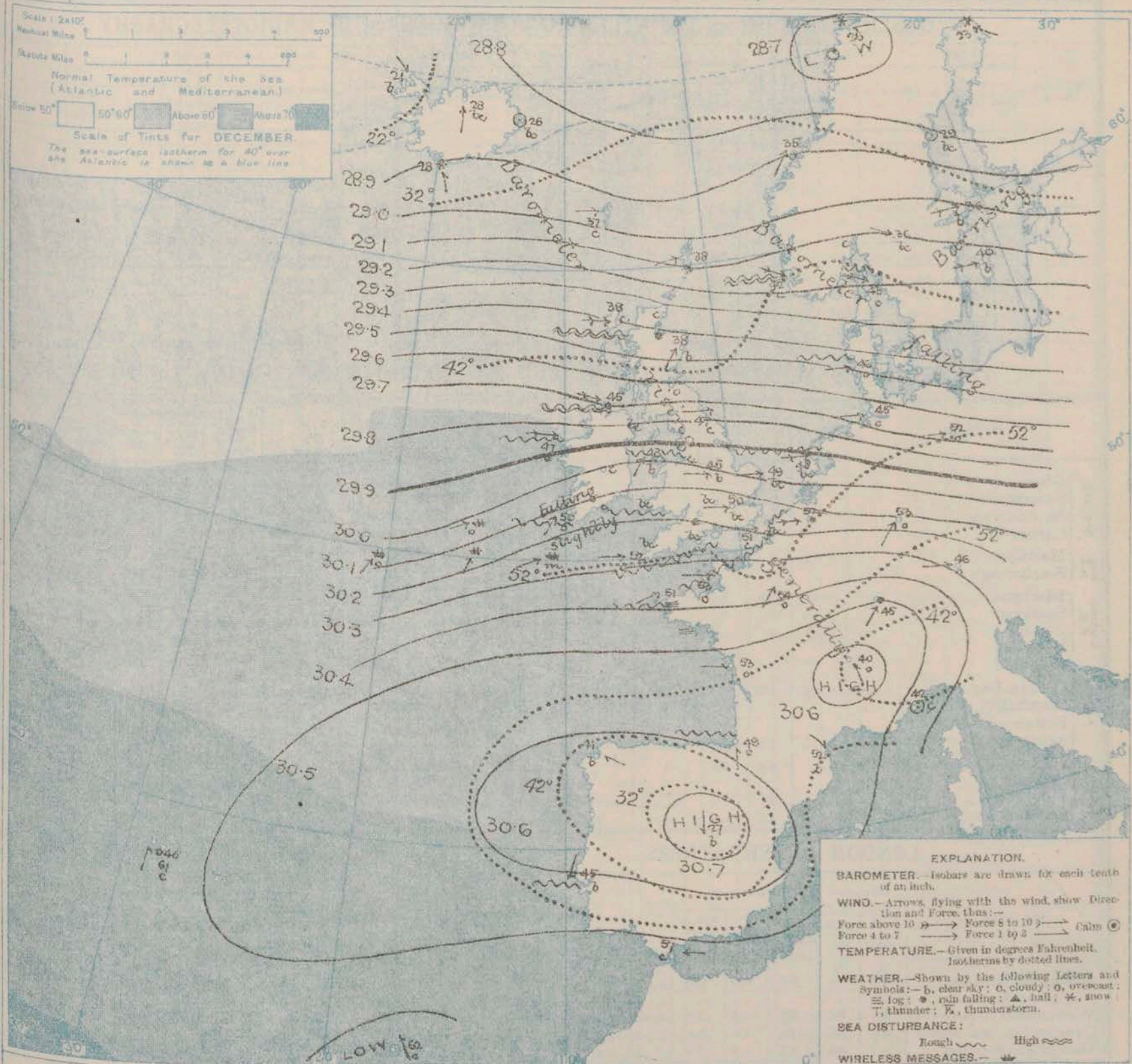
6 {
a
b
7 {
a
b
8 {
a
b
9 {
a
b
10 {
a
b

None issued.

11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. SUNDAY, 15TH DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Barometrical pressure ranges from below 28.7 in. in a depression centred over the northwest of Norway to above 30.6 in. in an anticyclone having its maximum over the Spanish Peninsula, the intervening gradient being steep over these islands and the North Sea, slight over Scandinavia and to the southward of the United Kingdom.

The main wind current over this country and northwestern and central Europe is S.W., but it draws into S.E. in some parts of Germany, while in the North of Scandinavia there is an E. breeze. Gales

are still reported on our extreme west and northwest coasts, and gales are very general beyond the North Sea. Over the United Kingdom as a whole the wind is fresh to strong or high, and according to wireless reports a strong breeze from the S.W. is blowing on the Atlantic as far west as the 20th meridian. Temperature has fallen in this country, and now ranges from about 52° at some stations in the extreme south and southwest to below 40° in the north and northeast of Scotland. Frost prevails at Madrid and in the north of Scandinavia.

DAILY WEATHER REPORT.

Sunday, 15th December 1912.

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 Epm.	48	24	Manitou	H	30.27	+02	W	6-7	bc	14th Jan.	50	20	Ascania	O	29.81	+02	SW	6-7	c
"	50	20	Ausonia	H	30.04	+05	W	6-7	c	"	50	24	Ausonia	H	29.76	00	SW	6-7	c
"	51	14	Dominion	H	29.85	+05	W	6-7	o	"	50	18	Minnewaska	H	30.01	+04	SW	6-7	o
"	49	14	Minnewaska	H	30.09	+01	WSW	6-7	o	"	47	28	Manitou	H	30.02	+01	W	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.	In.					Hr.	Ramsgate ...	In.	54	45	*	*	0.0
Stonehaven ...							Margate ...		56	39	—	bc o	0.0
St. Andrews ...							Deal ...	0.01	55	50	g. op.	bc o	0.0
Carnoustie ...							Littlestone ...				od	bc o	0.0
England, N.E.						1-2	Folkestone ...	0.02	53	48	od	bc o	0.0
Harrogate ...	0.12	54	49	bc o	c. bc		Hastings ...	0.15	53	48	or	om. o	0.0
Scarborough ...							Bexhill-on-Sea ...	0.10	53	50	c	bc o	0.0
England, N.W.						0.0	Eastbourne ...	0.21	53	50	op o	o	0.0
Blackpool ...	0.06	53	50	o. or	or o		Seaford ...	0.20	52	49	r. o. r.	o	0.0
Southport ...	0.04	52	50	o	op o	0.0	Brighton ...	0.24	52	50	o	a	0.0
Buxton ...	0.23	51	46	bc. or	c. r	0.1	Worthing ...	0.23	52	50	o		0.0
Douglas ...							Bognor ...						0.0
Wales.						0.0	Southsea ...						0.0
Rhyl ...							Bournemouth ...	0.04	54	50	od	a. od. o	0.0
Colwyn Bay ...	0.09	58	52	bc	c	0.0	Weymouth ...	0.01	54	50	o	od	0.0
Llandudno ...							Teignmouth ...	0.01	57	51	cp	od	0.0
Bettws y-Coed ...							Torquay ...	0.13	55	51	d. o	od	0.0
Aberystwyth ...	0.16	52	49	o. c. o	c. or	0.0	Paignton ...	0.15	56	50	r. od.	od	0.0
England, S.W.						0.0	Weston-super-Mare ...						0.0
Walton-on-the-Naze ...		56	45	o	o	0.0	Ilfracombe ...	0.06	54	51	d	d	0.0
Lowestoft ...													
Felixstowe ...	0.01	57	46	m. o. g.	cm. o. g.	0.4							
Southend-on-Sea ...		54	47	bc	bc	0.0							

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rainfall.	WEATHER.			Sunshine for Yesterday.
	7 p.m. Yesterday.	9 a.m. To-day.	In Screen.	Min. on Grass.		Forenoon.	Afternoon.	Night.	
Greenwich (Royal Obs.) ...	80	79	57	48	40	0.03	o	o. od	o
City (Bunhill Row) ...						0.0	o. od	o	0.0
Westminster (St. James's Pk.)	82	87	57	48	39	0.01	o. o. bc	bc od	od. bc
Camden Sq. (Brit. Rainfall)	87	86	57	46	39	0.03	o.	od. od	or. c
Hampstead (Reservoir) ...		80	58	45	39	0.02	od	bc	e
24 HOURS ENDED 9 A.M. TO-DAY.									
South Kensington ...			57	50	49	0.01	o. o. g.	o. o. od	od. o
" (Roof of M.O.)	77	79	57	51					0.0
24 HOURS ENDED 6 P.M. YESTERDAY.									
						Night.	Forenoon.	Afternoon.	

Additional Observations for Yesterday.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		
		In Screen.	Min. on Grass.	Night.	Forenoon.	Afternoon.
Dublin to 4 p.m.	0.15	54	51	49	cr o	bc o
Plymouth to 9 p.m.	0.06	54	52	50	o	od o
Darwen "	0.28	53	49	47	on	or
Manchester "						
Birmingham "		57	51	45	o	o

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

15th-16th Dec. 1912.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.0	11.48	3.36
	8.1	11.49	3.38
Greenwich ...	8.1	11.55	3.49
	8.2	11.56	3.49
Wick ...	8.58	12.7	3.16
	9.0	12.8	3.15
Valencia ...	8.45	12.36	4.27
	8.46	12.37	4.27

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature rose to 55° or above in many parts of England and Ireland; to 59° at Nottingham. Rain fell in various amounts, and generally there was little or no sunshine. At Nottingham however, the record was 3.5 hours. Gales from between S.W. and W.S.W. have been experienced on many parts of our northern, western and southern coasts, and wireless reports show that strong to high winds from between S.W. and W. have prevailed on the Atlantic as far west as the 27th 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.

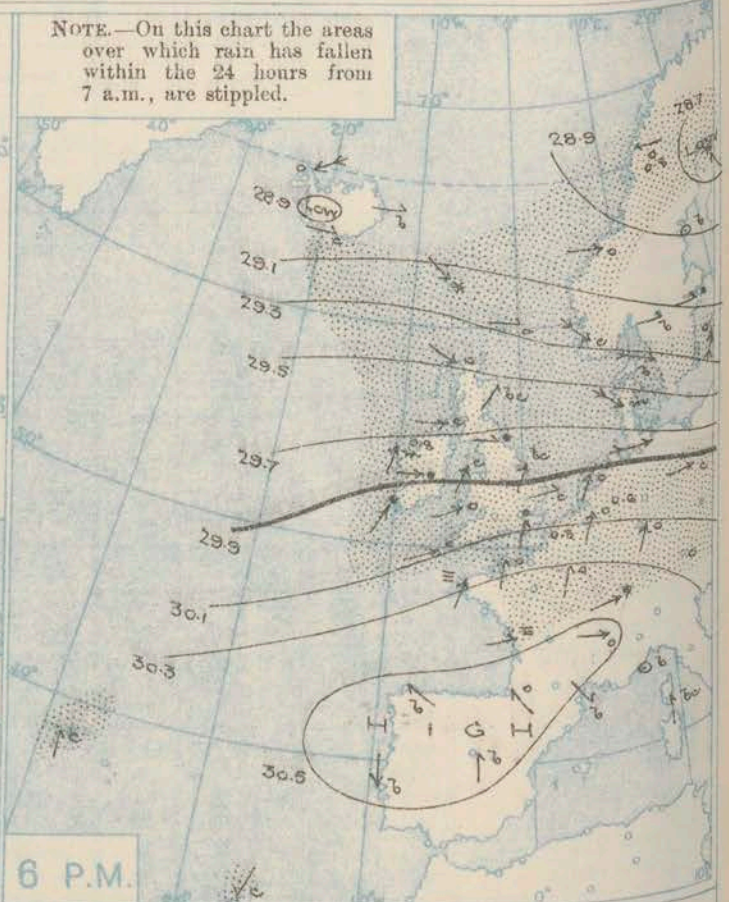
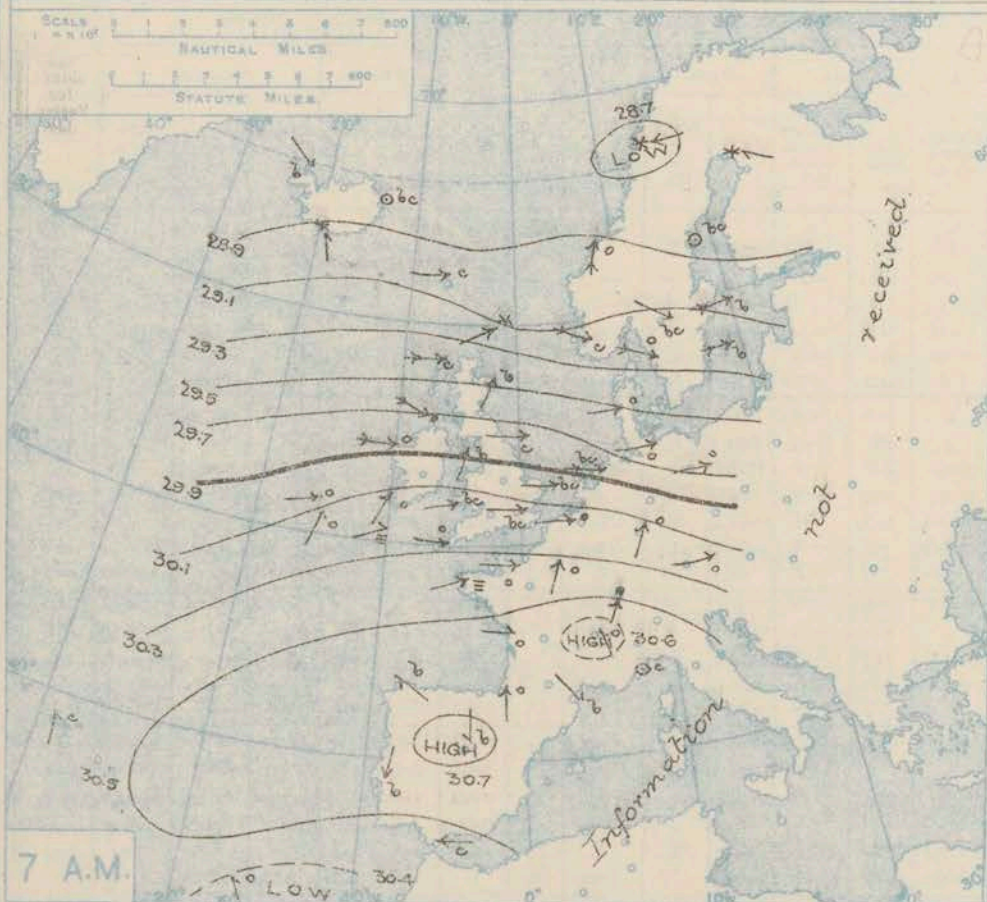
ber 1912.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Monday
16th December, 1912.

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. (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.	°					Hours.					
Lerwick		29.27	40	W	4	c	29.20	-0.03	37	-1	WSW	5	c	4	0.07	41	34	oph	ephg	eph	*			
Stornoway		29.49	35	WNW	4	c	29.47	0.00	36	-2	NW	4	c	5	0.25	41	34	bcg	bcpq	bephg	1.6			
Castlebay (Barra Isd.)																								
Malin Head		29.62	40	W	4	cp	29.69	0.00	41	-4	WNW	6	cpq	7	0.31	45	37	omrg	cp	cpqb	*			
Blacksod Point		29.73	46	SSW	7	m	29.85	+0.01	41	-6	W	6	bc	4	0.77	48	38	omrg	omrg	bcpq	*			
Valencia		29.94	50	SW	5	fm	30.03	+0.01	45	-5	WSW	6	bc	6	0.10	53	41	omrg	omrg	om. bc	0.0			
Roche's Point		29.97	51	WSW	3	o	30.03	*	40	-9	W	3	b	3	0.10	52	40	om	od. o	op. b	*			
Birr Castle		29.81	46	W	4	r	29.93	*	35	-12	SSE	2	c	*	0.19	51	34	c	or	or. cp	4.0			
Donaghadee		29.70	40	SW	3	bc	29.78	+0.01	35	-10	WSW	4	b	3	0.39	46	35	omrg	omrg	bc	*			
Liverpool Obsy.		29.81	50	SW	6	o	29.86	+0.02	42	-5	W	5	c	4	0.14	53	41	ogq	opq	r. bcq	0.0			
Holyhead		29.82	50	SW	6	c	29.89	+0.02	42	-6	WNW	5	b	4	0.03	51	40	cg	cg	cp	*			
Pembroke (St. Ann's Hd.)		29.97	50	WSW	5	o	29.98	+0.03	45	-5	WNW	5	cg	5	0.10	52	44	bcng	cg	ogp	0.0			
Newquay		30.06	53	SW	6	r	30.03	0.00	47	-3	W	6	o	5	0.42	53	45	cadm	omd	od. or	0.0			
Scilly (St. Mary's)		30.09	53	WSW	6	omd	30.05	+0.01	46	-6	NW	4	fm	3	0.33	52	44	omd	omd	omd	0.0			
Jersey (St. Aubin)		30.28	53	SW	3	ogm	30.06	*	51	-2	WSW	3	om	3	0.06	54	51	ogm	ogm	om. om	0.0			
Portland Bill		30.06	53	SW	7	o	30.00	+0.05	47	-5	WNW	5	o	4	0.26	53	45	cd	d. o	or. d. to	*			
Dungeness		30.02	52	SW	5	d	29.90	+0.02	50	-1	WNW	5	p	5	0.23	52	49	cg	od	odq. op	*			
Dover		30.02	51	SW	6	r	29.99	*	47	-4	WNW	4	o	3	0.22	52	46	bc. c	c. or	od	0.6			
Wick		29.45	35	WSW	4	bc	29.40	+0.01	34	-2	W	4	cg	4	0.12	38	31	cpq	cp. bc	cp. bc	*			
Nairn		29.51	35	W	2	c	29.49	*	34	-5	WNW	2	c	2	0.19	40	32	gp	cg	s. c	0.0			
Aberdeen		29.57	37	SW	2	bc	29.52	+0.01	35	-3	WSW	4	b	2	0.02	40	35	bcq. c	c. bc	b. op. b	0.9			
Leith		29.65	39	SW	3	o	29.66	+0.03	37	-6	WSW	3	r	*	0.10	45	35	ogq	ogp	opq	*			
North Shields		29.73	38	W	2	r	29.69	+0.02	36	-11	SW	2	c	2	0.25	48	34	ogq	r	c	0.0			
Spurn Head		29.87	43	SW	7	bcq	29.77	+0.01	42	-3	WSW	7	cg	6	-	49	38	bcq	bcq	bcq	*			
Yarmouth		29.93	48	WSW	3	c	29.84	+0.04	44	-5	WNW	2	bc	2	0.02	50	44	bc	bc. c	b. op	0.2			
Clacton-on-Sea		30.02	48	WSW	4	o	29.88	+0.02	44	-6	WSW	2	c	2	0.16	50	44	bc. bc	bc. c	ogd. cg	0.3			
Nottingham		29.87	48	SW	5	r	29.87	*	41	-4	W	4	c	*	0.07	50	40	bc. o	or	d. op	0.0			
Bath		30.00	52	SW	6	r	29.99	*	44	-6	NW	4	o	*	0.44	53	44	-	-	-	0.0			
Oxford		29.97	50	SW	4	r	29.97	*	42	-3	W	2	o	*	0.23	51	42	bc	c	r	*			
London (Kew Obsy.)		30.00	50	SW	2	of	29.95	+0.04	45	-5	W	2	o	*	0.24	53	45	bc. o	od. r	or. o	0.8			
Isafjord		28.98	28	NE	8	o	29.15	-0.03	29	+8	NE	7	o	*	*	*	*	GALES.						
Reykjavik		28.88	28	E	3	o	29.02	+0.04	17	-11	-	0	b	*	*	*	*	Duration and Extreme Force						
Vestmanna		28.98	30	W	1	c	29.02	+0.04	26	-2	-	0	b	3	*	*	*	on British Coast.						
Seydisfjord		28.97	25	W	2	b	29.00	0.00	25	-1	WNW	4	b	*	*	*	*							
Thorshavn		29.12	33	WNW	4	s	29.07	-0.03	33	-4	W	2	o	*	*	*	*							
Haparanda		28.62	18	SE	4	s	28.96	+0.01	15	-8	-	0	o	*	0.20	23	14	Malin Head						
Hernösand		28.91	26	-	0	b	29.01	+0.02	21	-8	-	0	c	*	-	34	19	Jan-2 p.m. Extreme WNW. 9.						
Stockholm		29.01	36	W	2	r	29.12	+0.04	32	-4	WNW	6	o	*	-	37	32	Jan. Squalls force 8.						
Wisby		29.11	40	SW	3	o	29.21	+0.01	38	-2	WNW	6	b	*	Trace	41	36	Blacksod Point						
Karlstad		29.10	38	W	2	b	29.22	+0.02	31	-5	-	0	b	*	-	39	28	Jan-1 Jan. Extreme W. 8.						
Færder (X'ania Fjord)		29.17	40	W	6	b	29.25	+0.01	37	-3	WSW	4	b	4	-	41	36	Portland Bill						
Bodö		28.73	28	E	2	o	28.84	+0.01	27	+1	E	2	b	1	0.75	28	25	Jan-2 Jan. do. WSW. 8.						
Christiansund		28.94	35	W	4	o	29.03	+0.01	35	0	W	3	o	6	0.35	39	34	Dungeness						
Skudesnaes		29.28	40	NW	8	c	29.28	-0.01	38	-4	NW	4	c	5	0.28	43	34	Jan-9 pm do. SW. 8.						
The Scau (Skagen)		29.33	41	WNW	10	b	29.33	0.00	40	-3	WNW	5	bc	1	0.12	43	37	Spurn Head						
Blaavands Huk		29.63	44	WNW	9	m	29.49	-0.05	42	-4	WNW	3	o	3	0.04	46	39	Gale in squalls throughout						
Cuxhaven		29.79	45	W	8	o	29.58	-0.01	45	0	W	5	o	*	-	46	45							
The Helder		29.90	46	SW	6	o	29.69	-0.01	45	-3	WSW	4	o	?	0.08	50	45							
Brussels		30.03	52	SW	6	o	29.89	-0.04	48	-4	WNW	3	r	*	0.63	54	50							
Berlin		29.90	47	W	6	c	29.66	-0.04	47	-5	W	5	o	*	0.08	55	45							
Frankfurt		30.11	52	SW	4	o	29.90	-0.04	53	0	SW	7	o	*	0.04	55	52							
Munich		?	47	?	6	c	30.08	-0.06	45	-1	SW	6	bc	*	Trace	50	43							
C. Gris Nez		30.04	51	SW	7	f	29.92	+0.01	50	-1	W	6	r	5	0.75	54	48							
La Hève		30.21	45	WSW	5	o	30.01	*	46	+4	W	6	r	6	0.12	52	42							
Brest (St. Mathieu)		30.32	51	SW	5	f	30.11	-0.06	51	0	SW	5	f	5	-	51	48							
Lorient (Bec Melen)		30.32	54	WSW	4	f	30.12	*	53	-1	WSW	4	o	5	-	55	48							
Rochefort (Ile d' Aix)		30.45	53	WSW	3	f	30.22	*	52	-1	SW	3	o	5	0.04	54	52							
Biarritz		30.51	51	SE	1	o	30.30	*	46	-2	SE	2	b	5	-	54	45							
Paris		30.32	54	SSW	3	o	30.08	-0.03	52	-2	WSW	4	o	*	Trace	56	52							
Belfort		30.47	45	WSW	6	r	30.22	*	45	0	WSW	7	r	*	0.16	46	45							
Lyons		30.52	47	W	1	o	30.33	*	43	+3	SSE	1	o	*	-	51	40							
Nice		30.39	44	-	0	o	30.28	-0.03	43	+1	-	0	o	*	-	54	39							
Perpignan		30.49	51	NW	1	b	30.30	-0.04	38	-14	NW	1	b	*	-	62	35							
Sanguinaire		30.32	50	S	4	bc	30.27	*	52	*	ESE	2	bc	3	-	54	43							
Corunna (8 a.m.)		30.54	54	ESE	1	b	30.39	-0.00	45	+4	ESE	3	o	6	-	57	36							
Lisbon (9 a.m.)		30.45	50	N	4	b	30.39	-0.00	40	-5	NNE	3	b	6	-	55	39							
Gibraltar		30.40	57	E	4	c	30.35	*	55	-2	E	2	bc	1	-	59	54							
Azores (P. Delgada)		30.41	59	S	2	c	30.39	-0.01	58	-3	-	0	m	2	0.12	64	57							
Azores (Horta)		30.36	57	NE	3	c	30.33	-0.01	59	-3	NE	3	b	3	0.08	64	46							
Madeira (Funchal)													</											

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 15TH DECEMBER.



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

GENERAL INFERENCE

The depression off the Norwegian coast is likely to remain almost stationary. Small secondary disturbances will pass across the United Kingdom from the Westward or

WEATHER PROSPECTS.

north westward, and the weather is, therefore, likely to remain in a changeable, stormy state. Temperature will fall below the normal.

FORECASTS FOR THE 24 HOURS NOON MONDAY. TO NOON TUESDAY.

0 {
a } Westerly or North Westerly
b } winds, fresh or strong in places;
1 { cold, changeable, some showers,
snow or sleet locally.

2 {
a }
b }

3 { Fresh Westerly and North
Westerly winds; cold, changeable,
4 { some showers, fair intervals.

5 {
a }
b }

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 } Westerly and North Westerly
b } winds, strong in places; cold.
7 {
a }
b } changeable, some showers;
8 {
a }
b } hail or sleet locally.

9 {
a }
b }

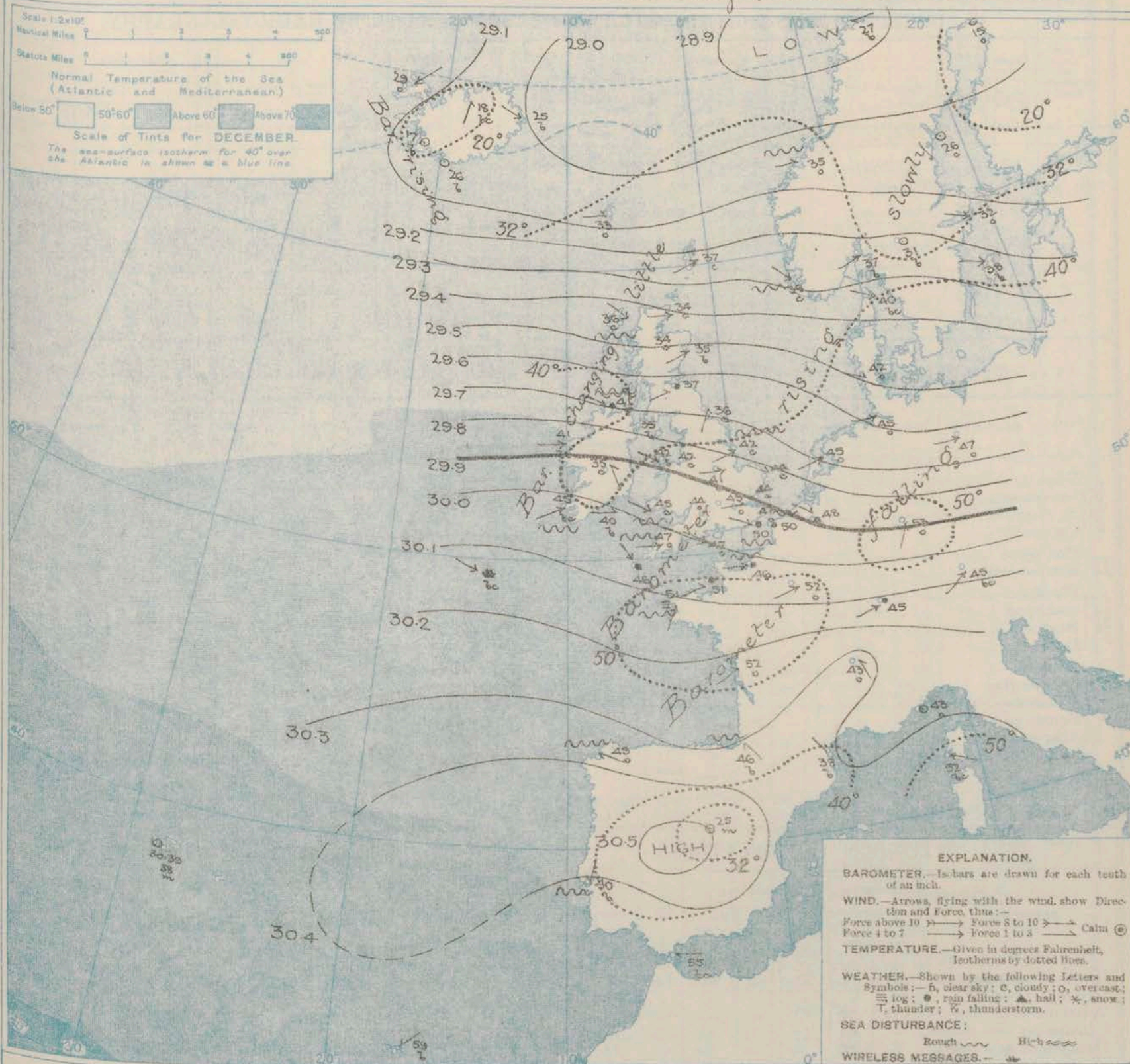
10 {
a }
b }

11 WESTERN CHANNEL AND BAY.
Fresh North Westerly to
North Westerly winds and a
rather rough sea; dull, some
rain, misty in places.

THE FURTHER OUTLOOK. (ALL DISTRICTS)

Cold, changeable weather is likely to continue.

SYNOPTIC CHART FOR 7 A.M. Monday 16th DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Barometrical pressure now ranges from 30.3 in. and upwards in a large anticyclone which extends from the Azores region to Spain and the western Mediterranean to 28.9 in. and less in a depression of diminishing intensity which lies to the westward of Finmark. The mercury is rising slightly over the United Kingdom and in Scandinavia, falling in most other regions.

The wind is South Westerly on our north-east coasts, as well as in the west of France, but Westerly or North Westerly in nearly all other parts of Western Europe. On exposed portions of our

western coasts it is strong in force. Temperature has fallen generally. At the Channel stations the thermometer ranges between 46° and 51°, but over North Britain and Central Ireland it is below 40°, the lowest reading reported being 34° at Cairn. Sharp frost prevails over Northern Scandinavia and in Iceland. The weather, although at present fine at many of our western stations, is in a changeable showery condition generally. The sea is rough or rather rough on the more exposed parts of our western and southern coasts.

DAILY WEATHER REPORT.

Monday, 16th December 1912.

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.	
16th Jan	49	13	Minneapolis	O	30.14	+01	WNW	4-5	bc	15th 6pm	49	16	Manitou	H	30.20	-00	NW	4-5	r
15th Jan.	51	16	Dominion	O	29.95	-09	WSW	6-7	o										
	50	10	Menominee	O	30.26	-00	WSW	6-7	m										
	50	15	Ansonia	H	30.11	-03	SW	4-5	o.										
	49	20	Manitou	H	30.16	-03	SW	6-7	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.	
Scotland.		In.					Hr.	England, S.E.		In.					Hr.
Oban								Ramsgate			55	47			0.2
Stonehaven								Margate			52	48			0.0
St. Andrews								Deal		0.03	52	49	bc.c	o.r	0.7
Carnoustie								Littlestone							0.5
England, N.E.								Folkestone		0.10	53	48	bc	ct	3.0
Harrogate		0.21	47	41	o	o.r	0.0	Hastings		0.15	53	49	op.bc	or	1.5
Scarborough			49	43	o.c	o.c	0.5	Bexhill-on-Sea		0.03	52	50	bc	od	1.5
England, N.W.								Eastbourne		0.18	54	49	b.bc	or	4.7
Blackpool		0.24	51	46	og	og	0.0	Seaford		0.20	52	48	b.	r.d	1.6
Southport		0.15	50	46	o	o	0.0	Brighton		0.13	52	50	b.bc.g	og.r	1.9
Buxton		0.44	51	40	bc.r	bc	0.1	Worthing		0.12	53	48	bc.g	*	1.2
Douglas								Littlehampton		*	*	*	*	*	1.8
Wales.								Southsea		0.09	54	49	b.	o.or	2.2
Rhyl		0.03	51	41	b	b	0.0	Bournemouth		0.05	54	48	b.o	o.od	1.9
Colwyn Bay			55	46	bc.cg	cg	0.2	Weymouth		0.05	55	49	b.or	od	1.0
Llandudno		0.07	52	46	o	o	0.0	Teignmouth		0.01	56	49	bc.od	od	0.9
Bettws y-Coed								Torquay		0.06	55	49	b.bc	c.o	0.3
Aberystwyth		0.05	50	47	o	od.r	0.0	Paignton							0.0
England, E.								Weston-super-Mare		0.30	51	47	b.bc	rm	0.0
Walton-on-the-Naze		0.01	50	42	bc.o	o	0.3	Hacombe		0.31	54	50	cd		
Lowestoft															
Felixstowe		0.02	52	47	cm.g	cm.og	0.5								
Southend-on-Sea			50	45	bc	bc	0.5								

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.		WEATHER.			Sun-shine	
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				Max.	Min. on Grass.	Night.	Fore-noon.	After-noon.		
			Max.	Min.															
			24 HOURS ENDED 9 A.M. TO-DAY.																24 HOURS ENDED 6 P.M. YESTERDAY.
Greenwich (Royal Obsy.) ...	76	86	53	42	40	0.48	bc	bc.r	org.	0.8	Dublin to 4 p.m.	0.15	51	45	42	cg	o.bg	og	
City (Runhill Row) ...										0.0	Plymouth to 9 p.m.								
Westminster (St. James's Pk.)	77	88	55	44	42	0.38	bc.o	org.	u	0.2	Darwen								
Camden Sq. (Brit. Rainfall)	-	89	52	42	39	0.36	c.de	o.or	or.o	0.7	Manchester								0.0
Hampstead (Reservoir) ...	.	88	50	40	39	0.34	bc	or	or.o	0.6	Birmingham	0.03	53	44	36	o.	r.	o	
South Kensington ...			24 HOURS ENDED 6 P.M. YESTERDAY.				Night.	Fore-noon.	After-noon.										
" (Roof of M.O.)	-	83	56	48	40	0.06	bc.c	bc.c	o.0m	*									
			57	49						0.4									

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

	16th 8.17th Dec. 1912.	Sunrise	Noon	Sunset
		G.M.T.	G.M.T.	G.M.T.
Yarmouth		8.1	11.49	3.36
		8.2	11.49	3.36
Greenwich		8.2	11.56	3.49
		8.3	11.56	3.49
Wick		9.0	12.8	3.15
		9.1	12.8	3.15
Valencia		8.46	12.37	4.27
		8.47	12.37	4.27

During yesterday temperature rose to between 50° and 55° in most parts of England, Wales and the south of Ireland, and to 56° at Teignmouth. The amount of bright sunshine was, as a rule, small. Rain fell generally, and snow or sleet in the north of Scotland; lightning was seen at night at Stormoray and Donaghadee, and a fresh gale from the S.W. prevailed in the Channel. Weather reports show that as far west as the 16th meridian ships experienced strong to high South Westerly winds, and cloudy, misty 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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1912.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

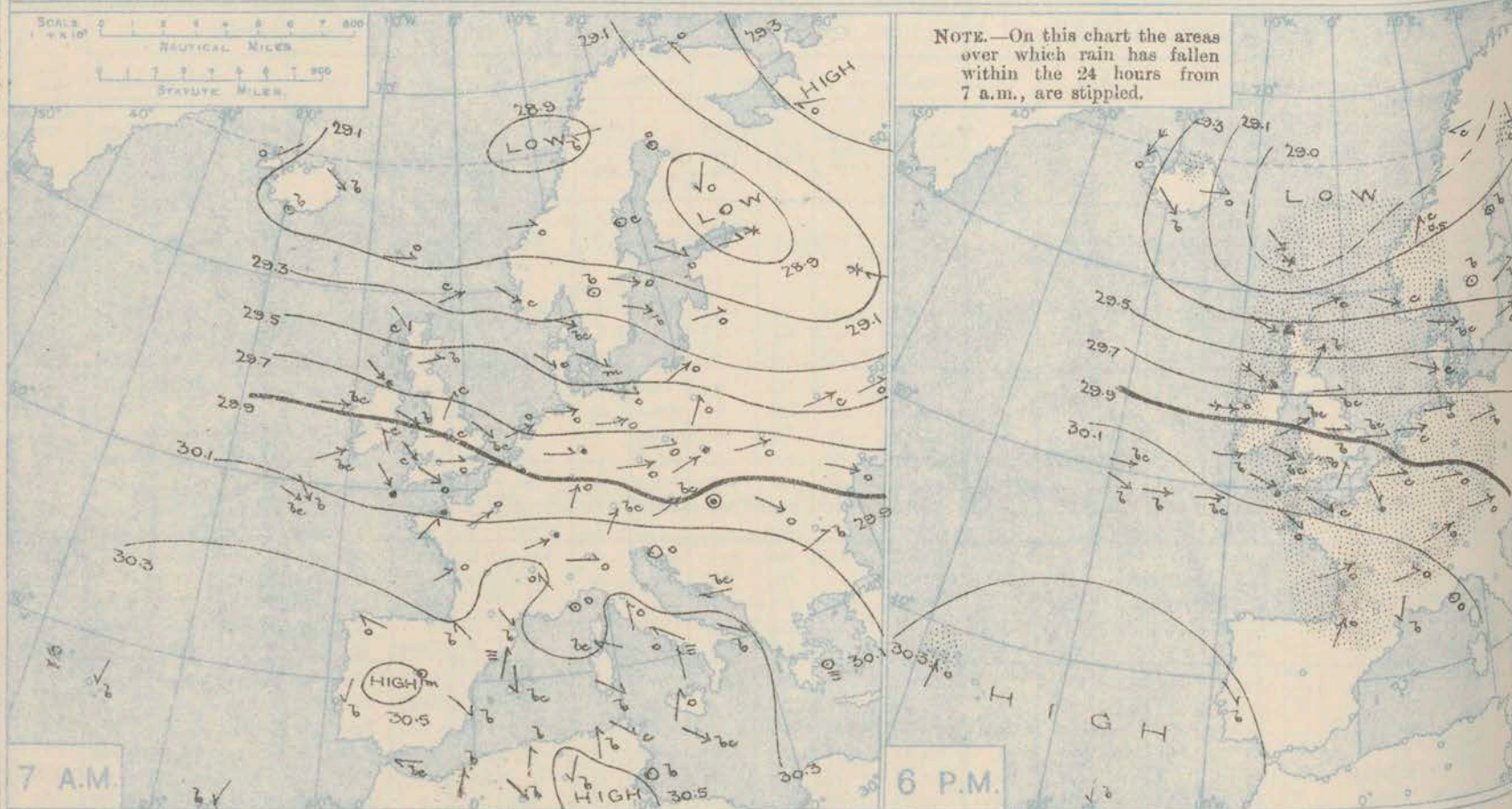
Tuesday
17th December, 1912.

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. 46°.	Dry Bulb.	Dir.	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'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.
Lerwick	29.13	38	WSW	5	c	29.14	+0.3	37	0	WSW	3	bc	3	0.20	41	33	cph	bephq	bcp	*			
Stornoway	29.38	35	WNW	6	cqht																		
Castlebay (Barra Isd.)																							
Malin Head...	29.61	37	WNW	9	chg	29.55	-0.06	39	-2	W	8	clp	7	0.13	43	35	gphq	goph	gphq	*			
Blacksod Point	29.83	42	W	8	o	29.74	-0.04	41	0	W	6	c	4	0.37	42	35	omphq	omphq	omphq	*			
Valencia	30.01	43	W	5	b	29.91	-0.03	45	0	SW	5	b	5	0.20	46	40	bcu	bc	bcu	2.6			
Roche's Point	30.02	40	WNW	2	b	29.90	*	40	0	NW	3	b	3	0.05	47	38	b	b.bcp	b	*			
Birr Castle	29.91	34	W	1	c	29.82	*	35	0	SSW	2	c	*	0.21	39	33	cp	cp	cp	2.1			
Donaghadee	29.78	35	WSW	1	cg	29.72	-0.01	34	-1	WSW	1	b	1	-	39	33	bcg	bc	bcg	*			
Liverpool Obsy.	29.87	40	WSW	4	b	29.78	-0.01	40	-2	WSW	4	c	4	0.01	44	37	p.bc	bq	bcq	5.3			
Holyhead	29.87	42	WSW	6	bc	29.79	-0.01	40	-2	WSW	4	b	3	Trace	44	39	bc	bc	bc	*			
Pembroke (St. Ann's Hd.)	29.94	45	WNW	5	bc	29.89	-0.04	44	-1	WNW	5	cg	6	0.15	47	39	cg	bc	bcg	2.5			
Newquay	30.04	45	W	5	b	29.98	-0.01	44	-3	W	7	bcp	5	0.09	48	40	cv.bv	bv	bcp	4.2			
Scilly (St. Mary's)	30.07	45	WNW	5	bcp	30.01	-0.03	45	-1	WNW	6	bcpq	6	0.05	49	39	c	bcpq	cpq	1.6			
Jersey (St. Aubin)	30.08	46	WNW	3	cm	30.06	*	44	-7	W	4	bc	3	0.28	55	40	omr	odm.om	cp	0.0			
Portland Bill	29.99	46	WNW	5	bc	29.95	-0.01	47	0	W	5	b	4	-	47	44	c	c.bc	b.bc	*			
Dungeness	29.95	41	W	3	b	29.92	-0.02	39	-11	W	3	bac	3	-	50	35	cp.c	c.b	bac	*			
Dover	29.98	37	W	1	b	29.94	*	36	-11	WSW	2	b	3	Trace	47	35	o.c	c.bc.b	bac	0.7			
Wick	29.32	34	WSW	4	bc	29.31	0.00	33	-1	SW	3	c	3	0.16	35	32	cpaq	c.bqos	bepsc	*			
Nairn	29.44	33	WSW	2	o	29.40	*	33	-1	WSW	2	s	2	0.31	36	32	csq	osq	bcs	0.3			
Aberdeen	29.48	35	SW	4	b	29.43	+0.01	35	0	WSW	4	b	2	-	39	34	b	b	b	3.1			
Leith	29.61	34	WSW	3	s	29.55	0.00	37	0	WSW	3	b	*	0.44	39	33	c.qps	or.qps	opsq	*			
North Shields	29.70	34	W	3	bc	29.59	-0.02	38	+2	W	3	c	2	-	41	34	b3	b3.bc	bc	4.4			
Spurn Head	29.81	39	SW	7	b	29.72	0.00	37	-5	WSW	6	bcp	5	-	42	35	bq	b3.bc	bc.bcp	*			
Yarmouth	29.90	38	W	2	bc	29.81	-0.02	35	-9	W	3	b	2	-	50	34	bc	bc	bc.b	2.0			
Clacton-on-Sea	29.94	40	W	2	b	29.88	-0.01	35	-9	W	2	bc	2	-	45	35	cg.bc	bc.b	b.bcs	2.6			
Nottingham	29.87	37	W	2	b	29.81	*	35	-6	WSW	3	b	*	-	43	34	c.b	b	b	1.4			
Bath	29.99	40	W	1	b	29.93	*	38	-6	W	4	r	*	0.02	49	33	-	-	-	4.2			
Oxford	29.96	37	WSW	3	b	29.91	*	37	-5	WSW	4	o	*	-	44	35	og.c.b	b	b.c.o	*			
London (Kew Obsy.)	29.97	40	SW	3	bx	29.92	+0.01	35	-10	SSW	2	bac	*	-	45	34	o.c.b.b	b.bm	bac	2.7			
Isafjord	29.32	26	NE	8	o	29.38	-0.02	23	-6	N	2	bc	*	*	*	*							
Reykjavik	29.16	27	N	3	b	29.26	+0.03	25	+8	NE	5	b	*	*	*	*							
Vestmanna	29.14	23	NW	4	b	29.24	+0.07	21	-5	NNE	4	b	3	*	*	*							
Seydisfjord	29.08	27	W	2	o	29.19	+0.07	25	0	W	3	o	*	*	*	*							
Thorshavn	28.93	33	NNW	4	s	29.05	-0.01	24	-9	W	0	bc	*	*	*	*							
Haparanda	29.05	14	N	2	o	29.15	+0.04	3	-12	N	4	o	*	0.04	14	3							
Hernösand	29.11	19	-	0	b	29.13	0.00	10	-11	-	0	b	*	-	27	9							
Stockholm	29.21	29	WSW	2	b	29.25	0.00	29	-3	WSW	2	bc	*	-	32	27							
Wisby	29.27	38	W	4	o	29.38	+0.03	38	0	WSW	6	b	*	-	37	36							
Karlstad	29.25	28	-	0	b	29.23	0.00	33	+2	WSW	2	b	*	-	36	27							
Færder (X'ania Fjord)	29.25	38	SW	5	bc	29.21	-0.03	38	+1	SW	6	b	4	-	38	27							
Bodö	28.92	28	E	2	c	28.95	+0.01	30	+3	E	2	b	1	-	30	27							
Christiansund	29.04	35	SW	2	c	28.93	-0.02	36	+1	SW	1	o	5	0.51	36	34							
Skudesnaes	29.28	41	WNW	7	c	29.19	-0.02	41	+3	NW	8	c	5	0.16	41	34							
The Scaw (Skagen)	29.36	40	WNW	7	bc	29.33	-0.02	37	-3	WSW	5	o	1	0.32	41	37							
Blaavands Huk	29.53	42	WNW	7	c	29.50	-0.01	40	-2	WNW	6	o	5	0.12	43	37							
Cuxhaven	29.72	41	W	5	o	29.63	-0.02	38	-7	W	5	r	*	0.08	45	37							
The Helder	29.83	43	W	5	c	29.77	-0.01	41	-4	WSW	5	c	3	-	46	41							
Brussels	29.90	38	W	2	c	29.93	-0.01	34	-14	SW	2	b	*	0.08	49	33							
Berlin	29.76	39	W	3	b	29.80	0.00	35	-12	W	3	bc	*	0.08	48	35							
Frankfurt	29.93	41	W	2	o	29.97	+0.02	33	-20	SW	1	f	*	0.39	54	34							
Munich	29.91	48	W	6	o	29.99	-0.01	33	-12	NW	2	b	*	0.24	50	32							
C. Gris Nez	29.97	44	WNW	5	b	29.95	0.00	43	-7	W	5	bc	5	0.04	52	39							
La Hève	30.01	46	NW	3	o	29.98	*	39	-7	W	3	r	5	0.32	52	37							
Brest (St. Mathieu)	30.11	48	NW	2	o	30.13	-0.01	47	-4	WNW	4	b	3	0.12	54	46							
Lorient (Bec Melen)	30.09	46	N	3	o	30.09	*	46	-7	NW	3	c	5	-	55	41							
Rochefort (Ile d' Aix)	30.11	52	WSW	4	o	30.16	*	44	-8	NW	3	c	*	0.16	54	43							
Biarritz	30.20	52	SW	4	o	30.15	*	51	+5	W	4	o	4	0.20	52	46							
Paris	30.03	44	N	2	o	30.05	+0.01	33	-19	SSW	2	b	*	0.20	53	33							
Belfort	30.03	48	WSW	7	o	30.06	*	35	-10	W	4	o	*	0.32	49	35							
Lyons	30.15	50	WSW	1	o	30.08	*	43	0	NNW	2	r	*	0.04	54	42							
Nice	30.11	46	-	0	o	29.94	-0.01	37	-6	E	1	b	2	-	50	36							
Perpignan	30.17	47	NE	1	b	30.08	-0.02	50	+12	SW	1	o	*	-	57	38							
Sanguinaire	30.15	51	W	1	c	30.03	*	53	+1	W	4	o	3	-	54	45							
Corunna (8 a.m.)	3																						
Lisbon (9 a.m.)	30.32	47	NNW	3	b	30.26	+0.02	44	+4	-	0	o	5	-	52	43							
Gibraltar	30.25	53	W	2	b	30.19	*	50	-5	W	2	baw	1	-	63	47							
Azores (P. Delgada)	30.33	62	SSW	4	o	30.12	-0.04	63	+5	SSW	5	o	4	0.04	64	58							
Azores (Horta)	30.33	59	N	2	b	30.30	+0.01	57	-2	N	2	1	3	-	66	46							
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. 16TH DECEMBER.



GENERAL INFERENCE

WEATHER PROSPECTS.

The depression off the Norwegian coasts is likely to disperse gradually. Small secondary disturbances will advance over our Islands from the westward, and the weather is

likely to remain in a cold, changeable state, with showers of hail, sleet or snow in most districts.

FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

0 { a
b

1

2 { a
b

3

4 { a
b

5

Westerly and South Westerly

winds, moderate or fresh; cold,

changeable, some snow or

sleet showers.

Westerly and South Westerly winds, moderate or fresh inland, strong on coast; cold, changeable, some hail or sleet showers, fine intervals.

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. <input checked="" type="checkbox"/>	South Cone. <input checked="" type="checkbox"/>
North Cone. <input checked="" type="checkbox"/>	North Cone. <input checked="" type="checkbox"/>

NO WARNINGS ISSUED.

6 { a
b

7 { a
b

8 { a
b

9 { a
b

10 { a
b

Fresh or strong winds

from between South West and

North West; changeable, some

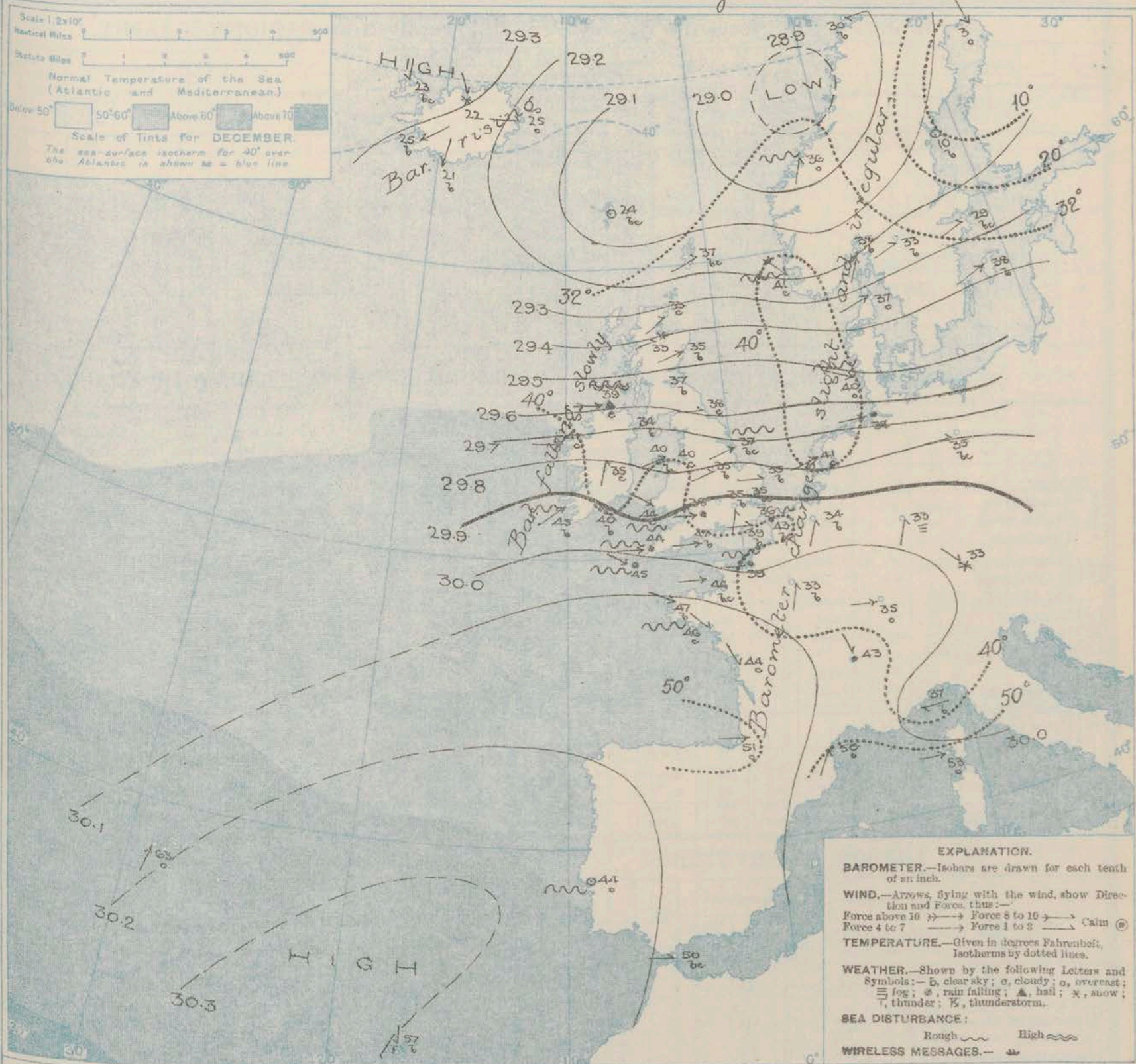
showers, hail or sleet in

places; rather cold.

11 WESTERN CHANNEL AND BAY. Fresh to strong Westerly to North-Westerly winds and a rough sea; squally, some showers; rather cold.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Tuesday, 17th DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The general distribution of pressure remains unchanged. A large anticyclone extends from the Azores region to Spain and the west of France, while a depression of diminishing intensity is situated off the upper part of the Norwegian coasts. Small, secondary disturbances are apparently approaching our islands from the Atlantic.

Over the greater part of North Western Europe the wind varies in direction between South West and North West, and on the more exposed parts of our west and south-west coasts, as well as on the eastern side

of the North Sea it is strong in force. Light to fresh breezes from North or North-East prevail in Iceland. Temperature has again fallen in most places. Over the greater part of the United Kingdom the thermometer is now below 40°, and in the north of Scotland it is only a trifle above the freezing point. Equally low readings are reported in Germany and Central France, and hard frost prevails over the Gulf of Bothnia. The weather, although temporarily fine in places, is in a changeable, showery condition generally. Hail is falling in the north of Ireland, and snow at Strain, as well as at Abingdon. The sea is rough or rather rough on our extreme W. and S.W. coasts.

DAILY WEATHER REPORT.

Tuesday, 17th December, 1912

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.	
16th 6 p.m.	49	11	Lapland.	O	30.10	-.05	W	6-7	bc	16th 7 a.m.	49	17	Menominee	O	30.20	.00	NW	6-7	b
"	50	18	Haverford	H	30.21	+0.04	W	4-5	bc	"	51	17	Lusitania	O	30.08	.00	WNW	6-7	b
"	49	17	Minneapolis	O	30.28	.00	W	4-5	b	"	49	12	Manitou	H	30.24	+0.02	NW	4-5	b
"	49	19	Menominee	O	30.21	+0.01	WNW	6-7	b	"	50	21	Haverford	H	30.27	-.02	W	1-3	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	0.34	48	36	p.bch	sh.c.bc	0.1	England, S.E.	Ramsgate	0.30	50	39	*	*	*	*	0.0
	Stonehaven	0.04	40	35	rsp	rsp	1.5		Margate	?	46	44	-	-	bc.b	bc.b	0.0
	St. Andrews	0.04	40	35	rsp	rsp	1.5		Deal	0.13	46	36	or.c	*	*	*	0.0
	Carnoustie	0.04	40	35	rsp	rsp	1.5		Littlestone	0.13	46	36	or.c	*	*	*	0.0
England, N.E.	Harrogate	0.20	40	34	e.be.b	b	4.9	England, S.E.	Folkestone	0.13	47	40	cq.bc	b.bc	b.bc	b.bc	1.2
	Scarborough	0.20	40	34	e.be.b	b	4.9		Hastings	0.14	47	37	or.be	bc.b	bc.b	bc.b	1.2
	Blackpool	0.04	44	41	c	c	2.3		Bexhill-on-Sea	0.17	48	39	m	g.bc	g.bc	g.bc	1.1
	Southport	0.05	43	42	bc.gh	ch.bc	3.2		Eastbourne	0.13	48	41	o.bc	bc.o	bc.o	bc.o	1.3
England, N.W.	Buxton	0.43	39	34	bc	b	4.2	England, S.E.	Seaford	0.17	48	42	r.bc	b	b	b	0.9
	Douglas	0.43	39	34	bc	b	4.2		Brighton	0.10	47	40	o	c.bc.bm	c.bc.bm	c.bc.bm	1.6
	Rhyl	0.14	43	39	b	b	3.8		Worthing	0.11	45	40	o.c.bg	bg.b	bg.b	bg.b	1.2
	Colwyn Bay	0.31	43	39	bc.b	b.bc	3.5		Littlehampton	0.13	45	40	o.c.bg	bg.b	bg.b	bg.b	1.6
Wales.	Llandudno	0.11	50	40	c.b	b.o	2.2	England, S.W.	Southsea	0.13	45	40	o.c.b	c.b	c.b	c.b	2.8
	Bettws y-Coed	0.10	45	40	r.o.c	o.c.b	2.7		Bournemouth	0.25	46	39	o.c	b	b	b	3.0
	Aberystwyth	0.10	45	40	r.o.c	o.c.b	2.7		Weymouth	0.32	47	43	e.bc	b	b	b	2.8
	Walter-on-the-Naze	0.08	50	36	o.bc.c	b	2.5		Teignmouth	0.11	47	42	c.b	bc.b	bc.b	bc.b	2.8
England, E.	Lowestoft	0.02	43	37	c.b	b	2.4	England, S.W.	Torquay	0.18	48	43	o.c	bc.b	bc.b	bc.b	3.0
	Felixstowe	0.03	45	40	cm	bc	2.6		Paignton	0.19	49	43	bc	bc	bc	bc	3.5
	Southend-on-Sea	0.43	45	38	o.bc	bc	2.5		Weston-super-Mare	0.31	46	42	b	b.bc	b.bc	b.bc	3.7
	Southend-on-Sea	0.43	45	38	o.bc	bc	2.5		Uracombe	0.33	47	42	bcp	bcp	bcp	bcp	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.				Max.	Min.	Min. on Grass.	Night.	Fore-noon.	After-noon.		
			Max.	Min.																	Night.
					24 HOURS ENDED 9 A.M. TO-DAY.											24 HOURS ENDED 6 P.M. YESTERDAY.					
Greenwich (Royal Obs.) ...	72	86	44	34	28	-	c	b	b	2.6	Dublin to 4 p.m.	0.05	44	37	34	r. b	b	b	3.7		
City (Sunhill Row) ...	68	74	45	35	29	-	u. bc	bc	bc	0.6	Plymouth to 9 p.m.	0.24	53	39	32	bcp	og	bc	0.5		
Westminster (St. James's Pk.)	68	74	45	35	29	-	u. bc	bc	bc	2.0	Darwen "	0.19	44	35	32	optb	og	bc	0.0		
Camden Sq. (Brit. Rainfall)	73	89	44	33	27	-	a. bc	b	b. c	2.3	Manchester "	0.14	42	38	*	op.	c. op	op. c	3.9		
Hampstead (Reservoir)	95	43	32	27	-	a. bc	bc	bx. om	2.6	Birmingham "	0.06	48	35	29	r. c	c. bc	b			
South Kensington ...	67	87	53	41	31	0.30	or. om	c. bc. b	bx. b	{ 2.2											
" " (Roof of M.O.)	67	87	54	41	.	.	or. om	c. bc. b	bx. b	{ 2.2											

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

17th & 18th Dec. 1912.		Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T.	8.2	11.49	3.36
		8.3	11.50	3.37
Greenwich	G.M.T.	8.3	11.56	3.49
		8.4	11.57	3.50
Wick	G.M.T.	9.1	12.8	3.15
		9.2	12.9	3.16
Valencia	G.M.T.	8.47	12.37	4.27
		8.48	12.38	4.28

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to 50° and upwards on a few isolated parts of the English and Welsh coasts, but over North Britain it did not reach 40°. The amount of bright sunshine was, in many places, large for the time of year. Snow or hail showers occurred at most of our western and northern stations, and a westerly gale was experienced on the north coast of Ireland. Scireless reports show that as far west as the 25th meridian ships experienced light to fresh breezes from the Westward and north Westward and fine 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.

ber 1912

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

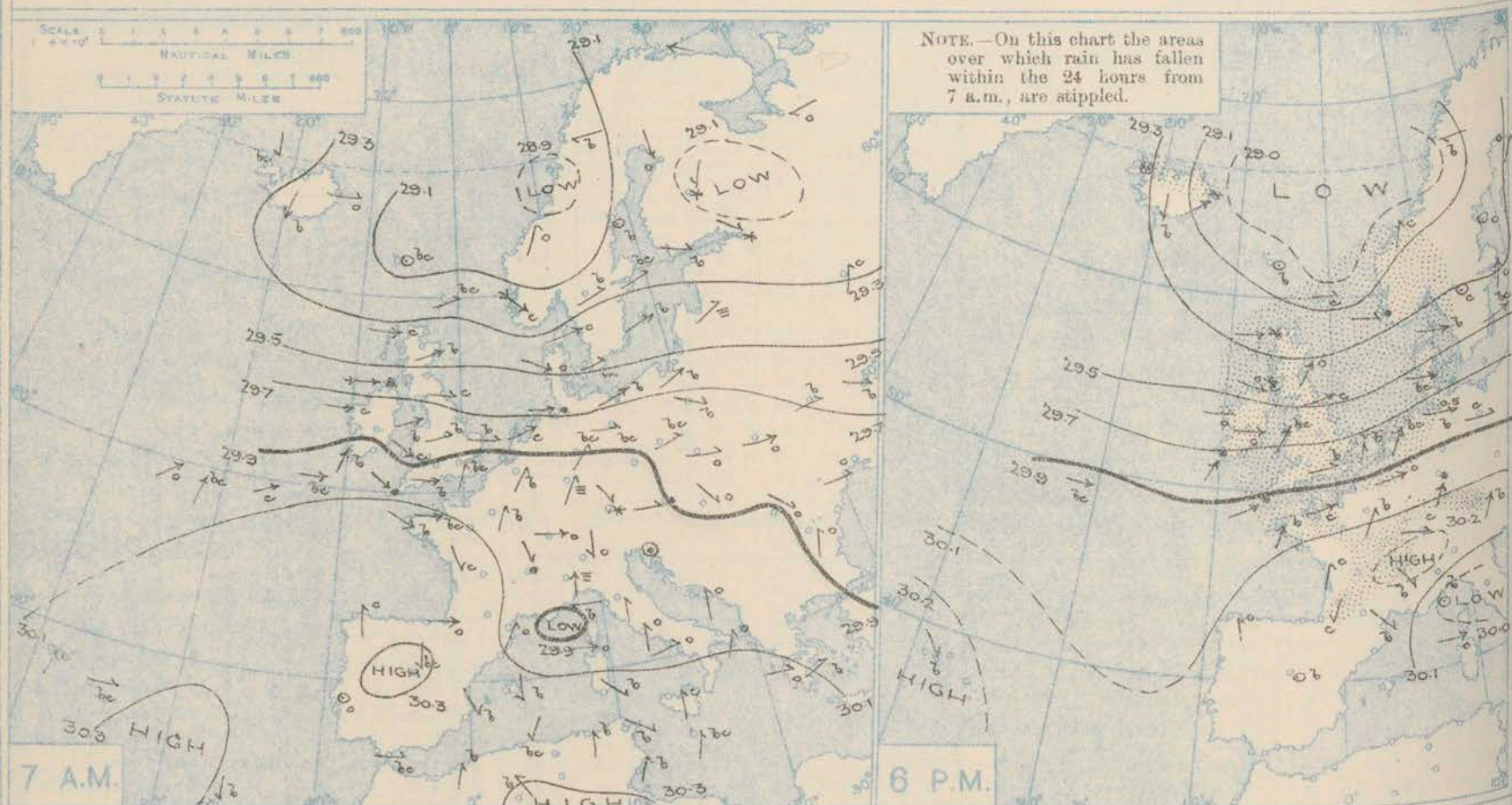
Wednesday
18th December 1912.

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.								
														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.						
		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.	Force (0 to 12).												
BRITISH ISLANDS.	Lerwick	29.01	36	W	3	c	29.07	00	37	0	S	4	bc	4	0.23	38	32	cpq	cpq	bep	0.5			
	Stornoway	29.26	35	W	5	cgspq	29.23	+02	33	-3	W	4	bc	4	0.18	38	32	cpq	cpq	bep	0.5			
	Castlebay (Bacra Isd.)																							
	Malin Head	29.40	41	WNW	6	cq	29.34	+02	39	0	NW	6	cq	4	0.56	42	34	mq	bempq	cmq	*			
	Blacksod Point	29.56	44	W	3	o	29.50	00	39	-2	WNW	5	c	4	0.24	47	36	ompq	ompq	cmq	*			
	Valencia	29.69	46	SW	5	op	29.63	+01	44	-1	W	4	bc	5	0.45	49	41	cu	or	bc	0.0			
	Roche's Point	29.73	47	WSW	5	o	29.62	*	39	-1	W	3	b	3	0.10	49	39	cp	mq	op	*			
	Birr Castle	29.61	42	W	4	c	29.53	*	37	+2	W	2	c	4	0.29	44	33	cpq	cpq	op	0.0			
	Donaghadee	29.46	39	W	4	b	29.41	+01	35	+1	WSW	3	bc	2	0.06	42	34	ag	bep	o.bep	*			
	Liverpool Obsy.	29.58	45	WSW	6	o	29.48	00	41	+1	WSW	4	o	4	0.07	47	38	bc	opq	or	2.6			
	Holyhead	29.62	45	SW	7	bc	29.48	-01	42	+2	SW	5	b	4	0.02	47	39	ag	bc	c	*			
	Pembroke (St. Ann's Hd.)	29.74	49	SW	7	bc	29.55	00	42	-2	NW	2	agp	4	0.19	50	41	cpq	cpq	bcq	0.0			
	Newquay	29.88	47	WSW	5	bc	29.60	-05	45	+1	W	4	o	4	0.09	48	44	bc	bc	cp	2.2			
	Scilly (St. Mary's)	29.91	48	WSW	5	cpq	29.63	-02	45	0	WNW	4	cpq	5	0.19	50	44	cpq	cpq	cpq	2.1			
	Jersey (St. Aubin)	30.03	47	WSW	5	cpm	29.71	*	45	+1	SW	3	cpm	3	0.03	49	42	bc	cpm	cpm	3.8			
SCANDINAVIA.	Portland Bill	29.88	49	WSW	6	bc	29.61	-08	49	+2	SW	6	cq	5	0.10	50	44	bc	bc	bc	*			
	Dungeness	29.88	45	WSW	5	b	29.61	-05	47	+8	SW	8	opq	7	0.18	48	37	cq	c	c	*			
	Dover	29.92	40	SW	3	b	29.64	*			SW	7	o	6	0.03	46	36	b	b	b	3.8			
	Wick	29.20	32	WSW	3	c	29.17	00	30	-3	WSW	3	c	4	0.15	36	29	cpq	c	c	*			
	Nairn	29.28	35	W	1	bc	29.20	*	33	0	W	1	o	1	0.04	36	31	ps	bc	p.b.	0.0			
	Aberdeen	29.29	37	SW	4	o	29.18	-04	33	-2	WSW	2	o	2	0.08	39	32	b.b.c	c.o	b.b.c	0.0			
	Leith	29.36	35	WSW	3	c	29.24	-02	37	0	WSW	4	bc	*	0.09	40	34	cp	op	op	*			
	North Shields	29.42	36	WSW	4	c	29.30	-03	38	0	WSW	3	c	2	0.01	42	34	c	c	p.c	*			
	Spurn Head	29.57	39	S	7	c	29.43	-01	41	+4	SW	6	op	5	0.02	43	35	cq	cq	cp	*			
	Yarmouth	29.79	37	SSW	3	b	29.53	-05	44	+9	SW	4	o	3	0.15	45	34	bc	bc	bc	2.5			
	Clacton-on-Sea	29.86	40	WSW	3	b	29.59	-07	45	+10	SW	4	c	3	0.01	45	34	bc	bc	bc	2.1			
	Nottingham	29.69	41	SW	5	o	29.53	*	40	+5	SW	4	o	*	0.25	44	34	b.b.c	b.b.c	or	2.3			
	Bath	29.84	44	WSW	6	b	29.58	*	43	+5	W	4	r	*	0.04	48	38	-	-	-	2.3			
	Oxford	29.79	42	SSW	6	bc	29.56	*	42	+5	WSW	4	od	*	0.02	46	36	b	b	b	*			
	London (Kew Obsy.)	29.86	40	WSW	3	bc	29.58	-07	45	+10	SW	4	o	*	Trace	46	35	bc	bc	bc	4.9			
GERMANY, &c.	Isafjord	29.39	26	-	0	S	29.43	+01	28	+5	NE	9	3	*	*	*	GALES.							
	Reykjavik	29.28	25	N	4	b	29.39	+01	29	+4	N	8	c	*	*	*	Duration and Extreme Force							
	Vestmanna	29.28	23	N	4	b	29.22	+01	29	+8	NNE	4	b	2	*	*	*	on British Coasts.						
	Seydisfjord	29.02	23	SW	7	S	29.06	+07	32	+7	-	0	S	*	*	*								
	Thorshavn	29.05	23	-	0	b	29.04	+02	28	+4	-	0	c	*	*	*								
	Haparanda	29.29	16	SW	2	o	29.39	+01	15	+12	-	0	o	*	16	3	Malin Head.							
	Hernösand	29.19	19	-	0	o	29.31	+04	14	+4	-	0	c	*	21	7	Jam-Noon. Exten. W. 8.							
	Stockholm	29.29	35	SSW	4	o	29.40	+01	35	+6	SSW	2	o	*	36	28	Jam Squalls do. NW. 8.							
	Wisby	29.43	38	WSW	6	bc	29.52	+01	37	-1	SW	4	b	*	39	26	Blacksod Point.							
	Karlstad	29.31	35	-	0	c	29.28	-04	36	+3	S	2	o	*	37	22	Jam-1pm do. W. 8.							
	Färder (X'mia Fjord)	29.29	38	WSW	6	b	29.15	-06	35	-3	S	4	r	3	0.08	39	34	Pembroke						
	Bodö	29.00	27	E	2	b	29.11	+04	26	-4	E	5	b	2	0.08	30	25	Jam. do. W. 8.						
	Christiansund	29.09	36	SW	2	c	29.00	-01	36	0	-	0	bc	4	0.20	37	34	Portland Bill.						
	Skudesnaes	29.24	41	W	3	r	29.19	00	39	-2	W	6	c	5	0.16	41	36	Jam squalls do. W. 8.						
	The Scaw (Skagen)	29.40	39	W	4	b	29.19	?	39	+2	W	7	c	1	0.28	39	37	Dungeness						
Blaavands Huk	29.58	42	W	5	bc	29.43	+02	44	+4	WSW	5	m	4	0.12	45	37	Jam-Jam squall do. SW. 9.							
FRANCE.	Cuxhaven	29.73	38	W	5	b	29.57	-04	41	+3	SW	7	at	4	0.51	41	34	Spurn Head.						
	The Helder	29.78	42	SW	5	bc	29.58	-02	43	+2	SSW	8	r	4	0.12	46	41	10pm. do. SW. 8.						
	Brussels	29.95	41	WSW	6	o	29.80	-05	38	+4	SW	4	o	*	0.08	42	34							
	Berlin	29.85	37	W	3	c	29.84	-02	36	+1	S	3	c	*	0.08	41	34							
	Frankfurt	30.03	40	SW	5	r	29.97	-04	37	+4	SW	3	c	*	0.08	41	34							
	Munich	30.18	32	SW	4	b	30.15	-02	26	-7	SSW	3	b	*	0.12	36	27							
	C. Gris Nez	29.93	46	W	7	c	29.67	-10	44	+1	S	7	o	5	0.12	50	43							
	La Hève	30.02	42	WSW	6	o	29.71	*	39	0	SSW	6	o	4	0.04	48	37							
	Brest (St. Mathien)	30.06	43	SW	4	b	29.69	-08	47	0	S	2	o	3	0.04	54	46							
	Lorient (Bec Melen)	?	46	W	3	bc	29.65	*	45	-1	?WSW	5	r	4	0.43	50	43							
	Rochefort (Ile d' Aix)	30.15	46	SSW	1	bc	29.82	*	42	-2	S	4	o	*	0.08	52	39							
	Biarritz	30.17	49	NE	2	c	29.87	*	52	+1	SSW	3	b	4	0.08	54	41							
	Paris	30.08	40	SW	3	b	29.88	-09	36	-13	SSW	2	o	*	0.04	47	32							
	Belfort	30.20	35	W	3	c	30.06	*	30	-5	ENE	4	bc	*	0.04	48	26							
	Lyons	30.21	38	NW	1	b	30.06	*	27	-16	SSE	1	b	*	0.04	45	25							
Nice	29.98	39	-	0	b	30.13	+02	40	+3	E	2	b	*	0.04	50	39								
SPAIN, &c.	Perpignan	30.13	50	NW	3	b	29.99	-04	36	-14	W	1	b	*	0.04	60	34							
	Sanguinaire	30.02	51	W	4	o	30.07	*	52	-1	SE	3	m	3	0.04	54	45							
	Corunna (8 a.m.)	30.12	52	SSE	2	o	29.78	00	54	+6	S	6	o	6	0.04	59	48							
	Lisbon (9 a.m.)	30.15	52	W	3	c	30.08	*	48	-2	W	3	bc	1	0.04	60	47							
	Gibraltar	30.23	57	NW	1	b	30.17	-01	58	-5	SW	4	b	3	0.04	66	54							

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. 17th DECEMBER.



GENERAL INFERENCE

A small depression which is in course of development over the Bay of Biscay is likely to cause unsettled weather over our southern districts, with a temporary shift of wind to the

WEATHER PROSPECTS.

Southward or South-Eastward. Fresh disturbances are likely to approach our western coasts from the Atlantic.

FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY

- | | | |
|---|---|---|
| 0 | { | Westerly winds, light or moderate, cold, changeable, snow or sleet showers. Frost to-night. |
| 1 | | |
| 2 | { | South-Westerly to Southerly or South-Easterly winds, moderate or fresh, cloudy, some rain, mist in places; normal temperature |
| 3 | | |
| 4 | { | Same as No. 7. |
| 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

THE SOUTH CONE HOISTED

Districts 6-10 at 0.50pm
District 5 at 7.7pm

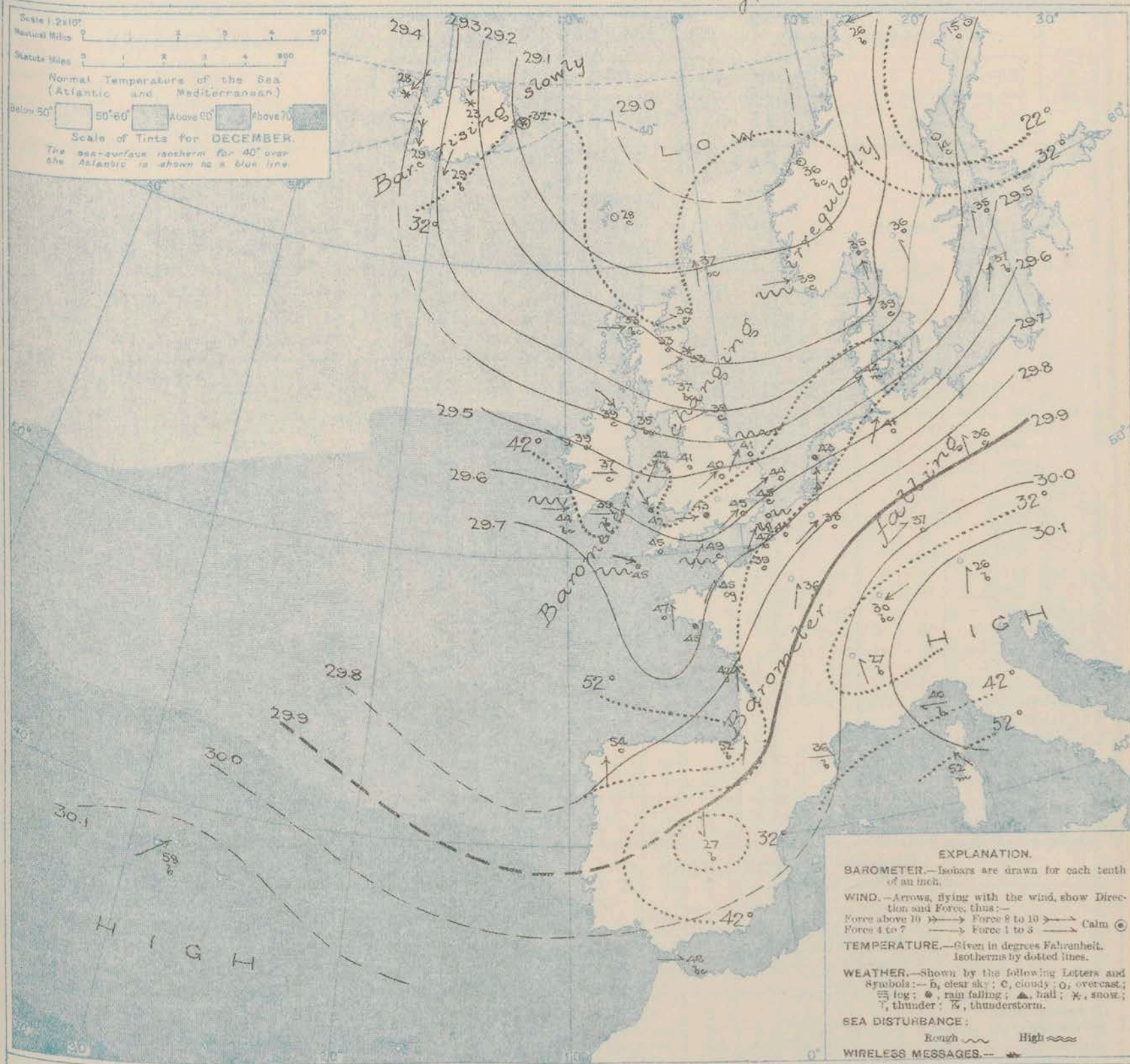
- | | | |
|----|---|--|
| 6 | { | Same as No. 0 to 2 |
| 7 | | |
| 8 | { | Westerly and North-Westerly winds, backing later; changeable, some showers; rather cold. |
| 9 | | |
| 10 | { | Northerly and North-Westerly winds, backing later; cloudy, some rain, misty in places; normal temperature. |
| 11 | | |

THE FURTHER OUTLOOK. (ALL DISTRICTS)

Changeable weather is likely to continue.

11 WESTERN CHANNEL AND BAY. Moderate Northerly winds mouth channel, freshening South-Westerly winds Bay; sea rather rough; dull, misty, some rain. Normal temperature.

SYNOPTIC CHART FOR 7 A.M. Wednesday, 18th DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A large depression of diminishing intensity still lies between Iceland and Norway. A small secondary disturbance has appeared over the upper part of the Bay of Biscay, and the reports from the Azores seem to indicate the approach of depressions from the Atlantic towards our western coasts.

The wind is easterly or south easterly over England and the North Sea, and blows with the force of a gale in the Straits of Dover and on the Dutch coast; in France it is chiefly southerly. Moderate to fresh North-easterly winds prevail in

Ireland. Temperature has changed rather irregularly. Over the United Kingdom the morning readings range from between 45° and 43° in the south of England to between 30° and 33° in the north of Scotland. Frost prevails in central France and South Germany, and sharp frost over the Gulf of Bothnia. The weather is fine over the greater part of Ireland and Scotland, but snow is falling at Aberdeen. Elsewhere the sky is cloudy or overcast, with rain in the south of England and at many of the Continental stations. The sea is high in the Straits of Dover, rather rough on our south and south-west coasts generally.

DAILY WEATHER REPORT.

Wednesday, 18th December 1912.

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 Gpm	49	21	Lapland	O	29.94	+0.7	W	6-7	bc										
" Jam	49	16	do.	O	30.03	+0.1	WSW	6-7	c										
" "	49	23	Menominee	O	30.12	+0.1	WSW	4-5	o										
" "	49	21	Minneapolis	O	30.09	+0.4	SW	4-5	bc										
" "	50	13	Haverford	H	29.99	-0.6	W	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.	Oban	0.23	42	36	hg. 3.0	hg. 0.6	0.0	England, S.E.	Ramsgate	0.0	43	31	b	b	1.5
	Stonehaven								Margate		42	33	b	b	2.9
	St. Andrews								Deal		43	35	b	b	2.7
	Carnoustie								Littlestone						2.8
England, N.E.	Harrogate	0.19	40	33	o. bc. b	bc. b	2.4	England, S.W.	Folkestone		45	35	bc. b	b	4.3
	Scarborough		40	34	o	o	1.7		Hastings		46	34	b. bc. o	o. b	4.0
England, N.W.	Blackpool	0.12	46	38	c	cp. g	0.7	England, S.W.	Bexhill-on-Sea		46	35	b. bc	bc. b	3.6
	Southport	0.04	46	41	o. bc	o. bc	2.0		Eastbourne		46	42	bc	b	4.2
	Buxton		38	32	bc	bc	3.5		Seaford		47	35	b	b	3.7
	Douglas								Brighton		47	37	c. bc	bc. b	4.9
Wales.	Rhyl	0.03	47	38			2.0	England, S.W.	Worthing		46	35	b	b	4.4
	Colwyn Bay	0.03	48	39	bc	bc. g	1.0		Littlehampton						4.8
	Llandudno	0.20	44	38	cp. o	cu	1.2		Southsea		46	38	b	b	4.6
	Bettws y-Coed								Bournemouth		47	37	bc. b	b	4.0
England, E.	Aberystwyth	0.02	45	40	or. o	bc. o	1.5	England, S.W.	Weymouth		47	41	c. bc	b	4.6
	Walter-on-the-Naze		40	34	bc. b	bm	2.3		Teignmouth		48	38	b	b	4.3
	Lowestoft		41	34	bc. b	b. bc	2.7		Torquay		48	38	b	bc	4.3
	Felixstowe		41	34	f. m	bc. b	3.0		Paignton	0.01	46	36	bc	bc	2.8
	Southend-on-Sea		44	34	bc. t	b	4.0		Weston-super-Mare	0.10	47	39	bc. b	b. bc	2.6
									Uracombe	0.13	49	41	c. bc	bc. g	2.6

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.			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.				In.	Max.	Min.	Min. on Grass.	Night.	Fore- noon.		After- noon.
			Max.	Min.																
24 HOURS ENDED 9 A.M. TO-DAY.																				
Greenwich (Royal Obs.) ...	78	86	46	38	32	0.02	b	b	b.c.d	5.0	Dublin to 4 p.m.	Trace	44	35	32	bq.x	b.c.e	c	1.44	
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	0.2	Plymouth to 9 p.m.								1.44	
Westminster (St. James's Pk.)	78	83	47	38	35	0.01	bc	bc	bc.r.d	3.1	Darwen "	0.12	42	34	30	oprh	b	ov	0.9	
Camden Sq. (Brit. Rainfall)	80	85	46	36	34	-	o.bc	bc	b.o	2.8	Manchester "	0.10	44	36	*	oth	bc.or	or.o	2.4	
Hampstead (Reservoir) ...	*	87	44	34	32	-	bc	bc	c.d.o	3.7	Birmingham "	0.19	42	33	25	c.b	b.r	r		
24 HOURS ENDED 6 P.M. YESTERDAY.																				
South Kensington ...	*	*	43	35	27	-	om.bc	bc.g	bc.b	{ *										
" " (Roof of M.O.)	85	73	44	37	*	*														

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

18th & 19th Dec. 1912.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	8.3	11.50	3.27
Greenwich	8.4	11.57	3.50
Wick	9.2	12.9	3.16
Valencia	8.48	12.38	4.28

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer touched 50° on some parts of our south-west coasts, but in the north of Scotland it did not reach 40°. Scarcely any bright sunshine was recorded in Ireland and Scotland, but on our south and south-east coasts the duration was large. Snow or hail was experienced at many northern stations, and rain in the south. Lightning was seen at night at Malin Head and Donaghadee, and a fresh gale blew in the Channel. Wireless reports show that as far west as the 23rd meridian ships experienced moderate to fresh winds from the Westward or South-Westward, 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.

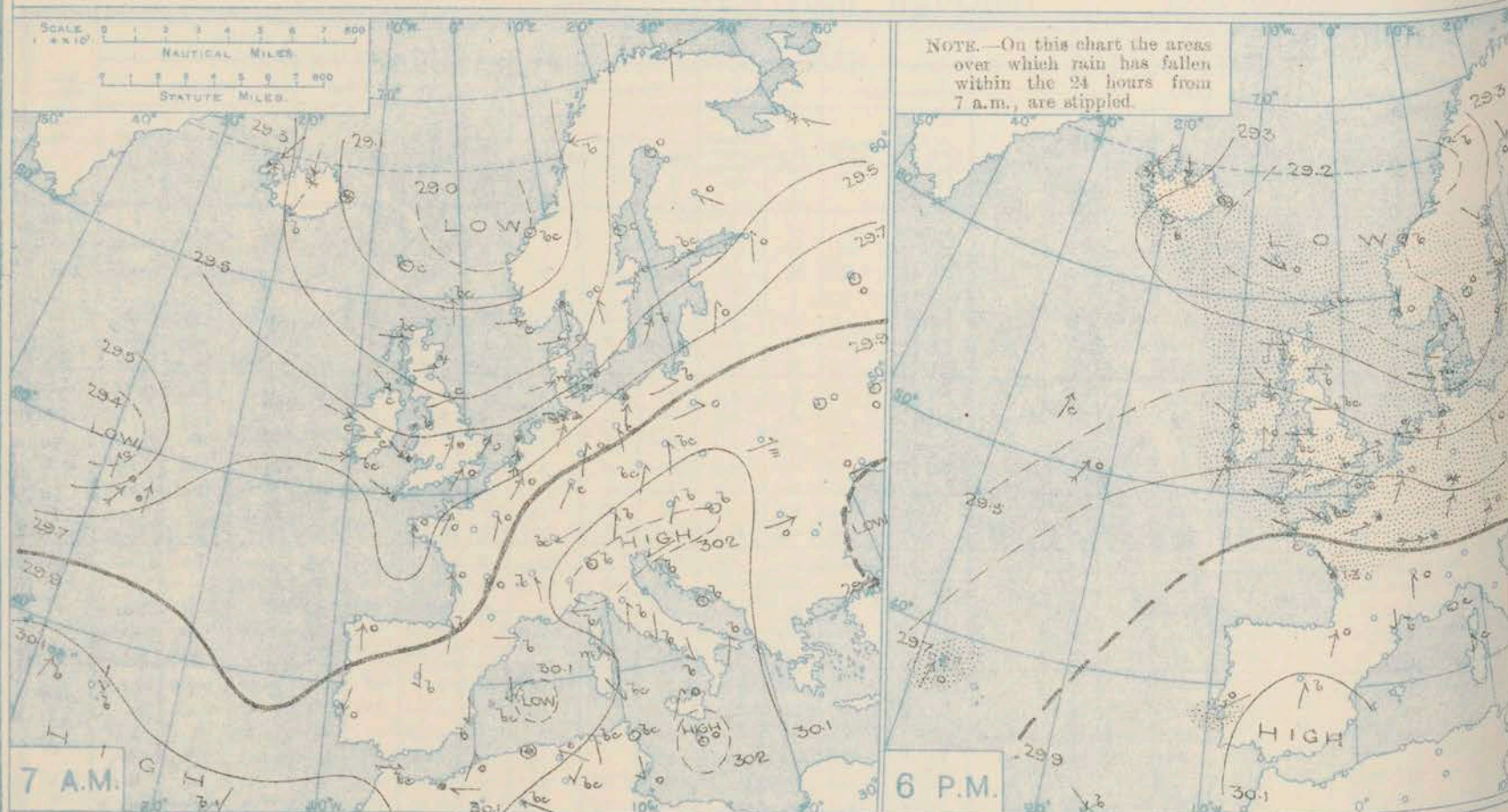
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Thursday
19th December 1912.

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.	Dir.	Force (0 to 12).			At 32° Fabr. 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		29.16	34	WSW	2	bc	29.28	0.00	36	-1	SW	2	r	0	0.15	38	32	beps	bc	beph	0			
Stornoway		29.36	33	W	3	bc	29.13	-0.13	39	+6	SSE	6	o	5	0.33	40	30	cp3	bc	cophq	0.5			
Castlebay (Barra Isd.)																								
Malin Head		29.47	40	NW	5	cap	29.19	-0.05	46	+7	S	5	cpq	5	0.21	47	35	bephq	cp3q	cpq	*			
Blacksod Point		29.55	44	WNW	3	o	29.24	-0.04	50	+11	SSW	8	r	6	0.20	50	38	cm	om	omq	*			
Valencia		29.67	47	SW	3	op	29.44	-0.06	51	+7	S	5	o	5	0.14	52	42	bcp	bv	cp	0.1			
Roche's Point		29.69	43	W	2	o	29.57	*	50	+11	W	4	o	4	0.01	50	40	b. o	op. bc	c. om	*			
Birr Castle		29.61	38	S	2	o	29.43	*	49	+12	S	6	c	*	0.08	50	33	cp	c. op	om. o	2.3			
Donaghadee		29.55	35	WSW	3	bc	29.43	-0.06	46	+11	SSW	3	o	2	0.09	46	32	bc	bc	om. o	*			
Liverpool Obsy.		29.60	41	W	5	c	29.63	-0.03	46	+5	SSW	4	o	3	0.05	47	38	chtl	esh	op	2.3			
Holyhead		29.61	41	W	5	bc	29.56	-0.03	49	+7	SW	5	o	4	0.13	49	39	bc	bc	om	*			
Pembroke (St. Ann's Hd.)		29.70	43	W	5	c	29.68	-0.03	45	+3	SW	6	cpq	6	0.11	51	42	ogp	bc	cpq	2.7			
Newquay		29.76	46	WSW	5	b	29.80	-0.00	48	+3	W	2	bc	4	0.02	48	43	bv	bv	bep.	4.8			
Scilly (St. Mary's)		29.77	47	WNW	5	c	29.78	-0.03	51	+6	SSW	5	cpq	5	0.04	51	44	bc	bc	o	4.0			
Jersey (St. Aubin)		29.81	47	WNW	3	bc	29.98	*	48	+3	SW	3	cm	3	0.05	54	44	og. cp	cpm. bc	bem	2.0			
Portland Bill		29.72	46	W	5	b	29.86	-0.00	51	+2	SW	6	c	5	0.03	51	43	c. b	b	bep. c	*			
Dungeness		29.65	40	WSW	4	c	29.88	-0.00	49	+2	SSW	4	cu	4	0.29	49	35	cp. c	chq	b. chp.	*			
Dover		29.66	35	W	3	b	29.92	*	46	*	SSW	3	c	3	0.56	46	33	up	orhs. b	b. b. c.	0.0			
Wick		29.28	31	W	3	bc	29.28	-0.06	37	+7	S	5	od	4	0.18	38	29	beps	beps	bc. c. od	*			
Nairn		29.38	30	-	0	b	29.26	*	36	+3	W	1	r	1	0.04	36	29	b. bc	bc. b	bc. r	0.6			
Aberdeen		29.38	33	W	3	b	29.39	-0.07	37	+4	SSW	3	r	2	0.08	37	31	c. b	b	b. or	3.2			
Leith		29.47	35	W	2	m	29.41	-0.09	45	+8	SW	4	rq	*	0.03	45	34	c. bc. b	b. by	by	*			
North Shields		29.45	36	W	3	bc	29.57	-0.04	39	+1	S	4	oz	2	-	39	33	c	bc	b. o	3.8			
Spurn Head		29.52	38	WSW	5	b	29.70	-0.00	39	-2	S	5	o	5	0.01	41	36	bcq	bem	om. c. or	*			
Yarmouth		29.53	37	WSW	2	b	29.84	+0.02	37	-7	SW	3	c	2	0.31	45	34	or	a. bc. b	om. c	0.0			
Clacton-on-Sea		29.59	37	W	3	bc	29.86	+0.01	43	-2	W	3	r	3	0.16	45	34	c. og. r	usp. bc	b. c. or. g.	0.0			
Nottingham		29.60	37	WNW	3	b	29.74	*	43	+3	SW	3	r	*	0.02	43	35	a. bc. m	eps. b	bc. o	0.5			
Bath		29.72	40	W	1	b	29.83	*	48	+5	WSW	3	o	*	0.21	49	38	r. o	a. bc. b	-	4.0			
Oxford		29.76	36	WSW	3	b	29.83	*	46	+4	S	4	o	*	0.12	46	36	or. bc. b	b	b. bc. op	*			
London (Kew Obsy.)		29.69	38	WSW	2	bmx	29.86	+0.02	45	0	SSW	3	o	*	0.08	45	36	or. bc. b	c. bc. bmx. op. bc. b.	b. bc. op	1.7			
Isafjord		29.48	28	NE	8	S	29.45	-0.01	28	0	NE	9	o	*	*	*	*	GALES.				Duration and Extreme Force on British Coasts.		
Reykjavik		29.28	19	-	0	b	29.24	-0.04	26	-3	N	5	c	*	*	*	*							
Vestmanna		29.28	24	-	0	b	29.21	-0.02	33	+4	E	5	c	*	*	*	*							
Seydisfjord		29.22	32	-	0	S	29.28	-0.02	29	-3	SW	3	o	*	*	*	*							
Thorshavn		29.11	31	WNW	1	o	29.19	-0.03	35	+7	SSE	2	S	*	*	*	*							
Haparanda		29.46	18	N	2	o	29.55	+0.04	21	+6	N	2	o	*	-	21	14	Blacksod Point.				2 a.m.-7 a.m. Extreme SSW 8.		
Hernösand		29.29	23	NW	2	S	29.33	+0.04	24	+10	N	2	o	*	0.28	24	5							
Stockholm		29.29	34	SSW	4	bc	29.22	+0.01	35	0	W	2	o	*	0.12	36	34							
Wisby		29.35	40	SSW	4	r	29.28	-0.01	36	-1	SW	4	r	*	0.67	41	36							
Karlstad		29.22	34	-	0	o	29.36	+0.08	31	-5	-	0	o	*	0.34	37	30							
Færder (X'ania Fiord)		29.17	34	-	0	r	29.43	+0.09	28	-7	WNW	2	b	2	?	37	27							
Bodö		29.20	26	ENE	6	b	29.30	+0.01	27	+1	E	4	b	2	-	27	23							
Christiansund		29.20	34	-	0	b	29.30	+0.04	33	-3	-	0	c	3	0.04	36	30							
Skudesnaes		29.18	36	N	2	o	29.43	+0.02	39	0	WNW	2	c	3	?	39	34							
The Scaw (Skagen)		29.15	39	SW	4	c	29.46	?	37	-2	N	3	bc	1	0.16	39	36							
Blaavands Huk		29.62	39	WHW	4	m	29.63	+0.01	41	-3	WNW	6	c	5	0.28	45	39							
Cuxhaven		29.35	37	SW	6	r	29.77	+0.11	40	-1	W	4	o	*	0.12	41	37							
The Helder		29.47	42	W	5	c	29.86	+0.04	43	0	SW	4	b	2	0.32	43	37							
Brussels		29.70	35	SW	4	o	29.99	+0.03	39	+1	SW	2	o	*	0.20	39	32							
Berlin		29.50	38	S	2	o	29.81	+0.11	37	+1	W	5	c	*	0.12	41	34							
Frankfurt		29.64	36	SW	5	S	30.09	+0.08	36	-1	SW	4	b	*	0.24	41	34							
Munich		29.74	33	SW	4	o	30.22	+0.08	33	+7	SW	4	c	*	0.04	37	26							
C. Gris Nez		29.66	40	WNW	5	b	29.89	+0.01	47	+3	SW	5	o	4	0.28	50	44							
La Hève		29.81	39	NW	5	c	29.92	*	39	0	SW	4	c	4	0.08	45	36							
Brest (St. Mathieu)		29.91	49	WNW	3	c	29.97	-0.01	50	+3	SW	4	b	3	0.08	50	46							
Lorient (Bec Melen)		29.90	48	NW	3	b	29.97	*	50	+5	SW	4	bc	4	-	50	45							
Rochefort (Ile d' Aix)		29.97	49	WNW	3	r	30.10	*	43	+3	S	3	bc	*	1.34	54	41							
Biarritz		30.01	55	SSW	4	o	30.08	*	44	-8	ESE	7	b	3	-	57	43							
Paris		29.78	37	WSW	3	b	30.11	+0.03	34	-2	SSW	2	o	*	0.39	39	32							
Belfort		29.76	46	W	8	r	30.21	*	35	+5	W	2	m	*	0.08	46	30							
Lyons		30.01	48	S	3	o	30.21	*	37	+10	NW	1	b	*	-	50	36							
Nice		?	48	-	0	c	30.08	+0.02	42	+2	E	1	b	2	-	54	39							
Perpignan		29.99	46	N	1	b	30.14	+0.04	38	+2	SW	1	b	*	-	57	36							
Sanguinaité		30.09	51	S	3	c	30.05	*	53	+1	SE	2	b	2	-	54	45							
Corunna (8 a.m.)																								
Lisbon (9 a.m.)		30.09	51	ENE	3	o	30.11	+0.02	45	+2	NE	3	b	5	0.08	52	45							
Gibraltar		30.13	55	W	1	o	30.09	*	54	+6	W	1	o	1	-	63	48							
Azores (P. Delgada)																								
Azores (Horta)		29.80	64	SSW	5	o	29.74	-0.01	55	-3	W	5	r	5	0.16	64	55							
Madeira (Funchal)		30.03	60	NW	3	b	30.00	+0.02	59	0	NW	3												

* Information

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 18TH DECEMBER.



GENERAL INFERENCE

The barometer is again falling somewhat briskly along our western coasts, and

WEATHER PROSPECTS.

freshening South-Western winds and unsettled, mild weather appear probable generally.

FORECASTS FOR THE 24 HOURS NOON THURSDAY

TO NOON FRIDAY.

- 0 {
a } Fresh or strong South-Western
b } winds; dull, some rain;
1 } milder.
- 2 {
a } Fresh or strong South-Western
b }
- 3 } winds; mainly dull, with
4 {
a } some rain; rather milder.
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.

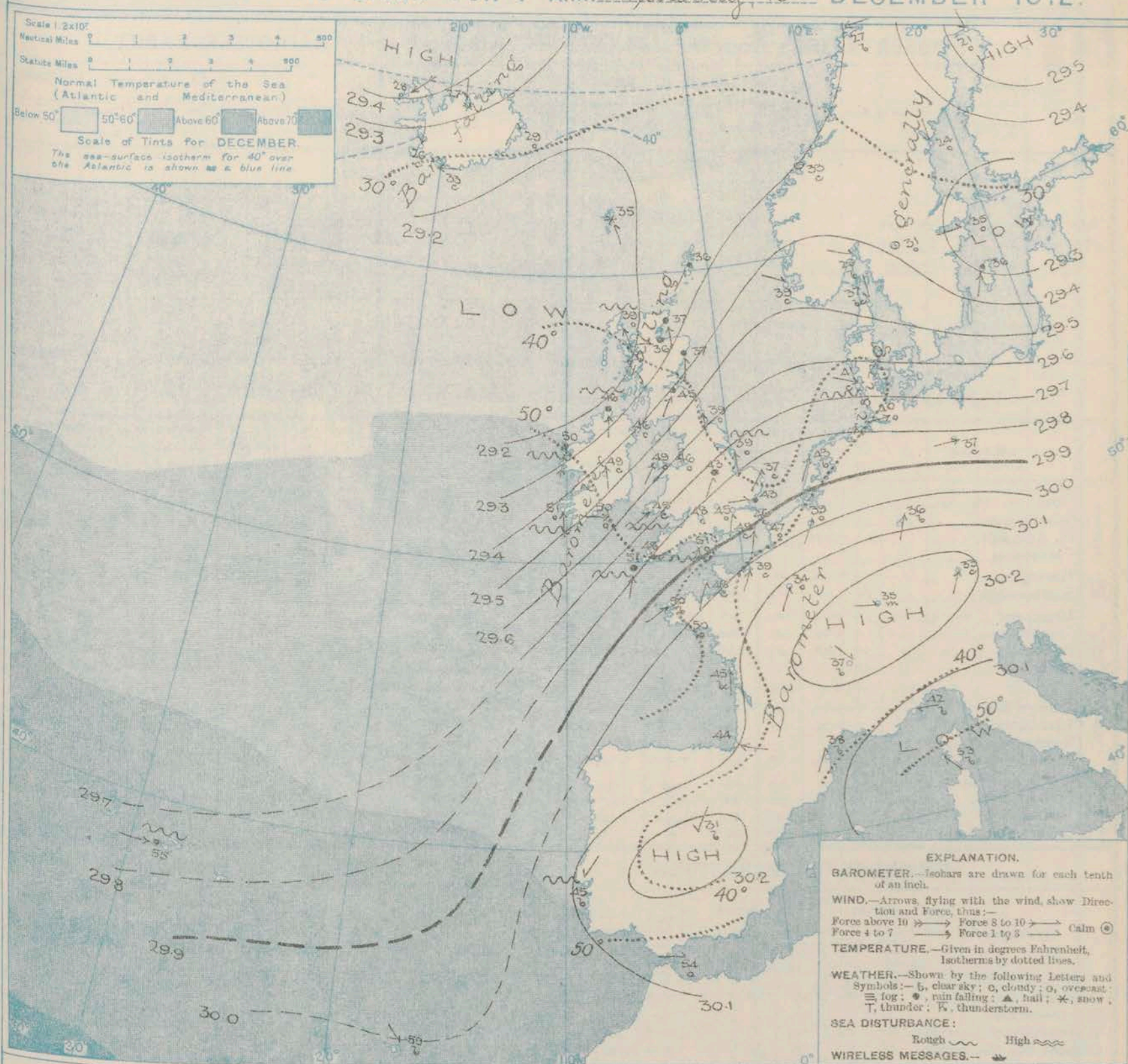
- 6 {
a } Same as No. 0.
b }
- 7 {
a }
b }
- 8 {
a } Same as Nos 2-5.
b }
- 9 {
a }
b }
- 10 {
a }
b }

11 WESTERN CHANNEL AND BAY.

Fresh or strong South-Western winds, and a rather rough sea; unsettled, some rain; moderate temperature.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Thursday, 19th DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is highest above 30.2 in. over Central Europe, while a fresh depression, 29.13 in. in the Hebrides, has appeared on our western coast. A second low pressure system lies over Eastern Scandinavia, Stockholm 29.22.

Moderate to fresh or strong South-Western winds are reported from all British stations, with a South-Western gale in the north-west of Ireland. Over the Eastern North Sea and Southern Scandinavia the wind is from West or North-West, moderate to fresh in force.

Temperature has risen generally over our islands, the morning readings range from 36° at St. Bains to 51° at Valencia and Portland Bill. The thermometer stands above the freezing point at all Continental stations except those in the north of Scandinavia. Rain is falling in Scotland and the north of Ireland; over England and the south of Ireland the sky is generally overcast, with showers in places. There is much cloud over the greater part of the Continent, but fine weather is reported in the south and west of France. The sea is moderate to rather rough on all our coasts.

DAILY WEATHER REPORT.

Thursday, 19th December 1912.

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 Jan.	50	16	Cedric	H	?	-0.04	SSW	8-9	0	18th Jan.	54	21	Sicilian	0	?	+0.04	WNW	6-7	0
18th 6pm	53	24	Sicilian	0	?	-0.02	SSW	6-7	0	"	48	28	Menominee	0	29.41	-0.36	SW	10-11	0
"	50	21	Cedric	H	?	-0.07	SW	8-9	0	"	48	26	Lapland	0	29.56	-0.16	S	6-7	0
										"	49	29	Minneapolis	0	29.34	-0.19	S	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.					Hr.	England, S.E.		In.					Hr.
{ Oban ...		0.53	40	33	f.b. bc	a.c. bc	0.0	{ Ramsgate ...		0.33	46	35	*	r. bc	0.0
{ Stonehaven ...								{ Margate ...		0.23	45	33	r	h.g. bc	0.0
{ St. Andrews ...		0.20	37	33	b	b	3.0	{ Deal ...		0.46	44	33	or. c	*	0.0
{ Carnoustie ...								{ Littlestone ...					*	*	0.0
{ Harrogate ...		0.32	38	32	c. bc. b	bc. c. b	3.3	{ Folkestone ...		0.47	46	30	gr	bc. b	0.2
{ Scarborough ...			41	35	a.c.	c. b	2.7	{ Hastings ...		0.55	47	35	b. or. c. o	or. b	0.8
{ Blackpool ...		0.39	42	40	r. cph	cph	1.0	{ Bexhill-on-Sea ...		0.32	47	37	or	r. bc	1.1
{ Southport ...		0.38	42	40	bc. h. c	o. bc. h. c	0.3	{ Eastbourne ...		0.28	48	39	bc. or	or. b	1.3
{ Buxton ...		1.08	37	32	bc. r. s	bc. s	0.5	{ Seaford ...		0.36	48	37	or	r. b	1.4
{ Douglas ...								{ Brighton ...		0.66	47	41	or. o	o. c. bc. b	1.9
{ Rhyl ...		0.11	43	39	b	b	3.2	{ Worthing ...		0.98	46	38	r. o	o. bc	2.3
{ Colwyn Bay ...		0.29	42	39	c	c	0.0	{ Littlehampton ...			*	*	*	bc. b	2.0
{ Llandudno ...		0.20	43	40	c. b	bc. c	1.7	{ Southsea ...		0.15	47	44	or. bc	b	3.2
{ Bettws y-Coed ...								{ Bournemouth ...		0.17	46	39	c. bc	b	2.8
{ Aberystwyth ...		0.68	45	41	r. c. o	o. c. o	1.5	{ Weymouth ...		0.03	48	42	c.	b	1.4
{ Walton-on-the-Naze ...		0.10	49	34	ogs	bc. b	0.0	{ Teignmouth ...		0.08	48	42	or. bc	bc. b	1.0
{ Lowestoft ...		0.16	38	36	opth. c	c. bc	0.0	{ Torquay ...		0.10	48	42	o. c	bc. b	3.8
{ Felixstowe ...		0.04	44	35	cpqn	cpqn	0.0	{ Paignton ...			47	40	bc	bc	4.0
{ Southend-on-Sea ...		0.18	44	36	p.	bc	0.7	{ Weston-super-Mare ...		0.30	46	39	bc. b	bc	3.4
								{ Ilfracombe ...		0.43	47	42	bc	bc	

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rainfall.	WEATHER.			Sunshine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.	Min. on Grass.	Min. on Grass.		Forenoon.	Afternoon.	Night.	
	%	%	Max.	Min.	24 Hours ended 9 a.m. To-day.		Forenoon.	Afternoon.	Night.	
Greenwich (Royal Obs.) ...	91	86	47	36	30	0.08	od. rdy	od. cgy	c. o. d. c.	0.0
City (Runhill Row) ...							r	dr	d. e. m.	0.0
Westminster (St. James's Pl.)	89	82	49	37	30	0.09	*	dr	d. e. m.	0.0
Camden Sq. (Brit. Rainfall)	91	84	48	35	29	0.10	o. or	c. b	bc. og	0.9
Hampstead (Reservoir) ...	*	86	46	35	29	0.12	o. r. s.	d. c.	oe. o	0.5
24 Hours ended 6 p.m. YESTERDAY.										
South Kensington ...			47	37	30	0.08	bb. ccc	or. hps	c. c. bc. b	0.0
" (Roof of M.O.)	86	82	46	37	*	*				

Additional Observations for Yesterday.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.			Sunshine for Yesterday.
		In Screen.	Min. on Grass.	Night.	Forenoon.	Afternoon.	
	In.	Max.	Min.	Night.	Forenoon.	Afternoon.	
Dublin to 4 p.m.	0.07	40	36	32	p. b	bc	b
Plymouth to 9 p.m.	0.15	49	42	28	bc	bc	0.1
Darwen	0.54	41	33	32	opn	shp	bc
Manchester							
Birmingham	0.41	42	34	22	r.	bc	b

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

19th Dec. 1912.	Sunrise, Noon, Sunset.		
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.3	11.50	3.37
	8.4	11.51	3.38
Greenwich ...	8.4	11.57	3.50
	8.5	11.58	3.51
Wick ...	9.2	12.9	3.16
	9.3	12.10	3.17
Valencia ...	8.48	12.38	4.28
	8.49	12.39	4.29

NOTES ON YESTERDAY'S WEATHER.

Rain has fallen generally, the amounts in places being heavy. Dover reports $\frac{1}{2}$ inch. Over 4 hours of bright sunshine were recorded at some south-western stations; in the south-eastern part of the country the day was dull throughout. Temperature touched 54° at Jersey. Wireless reports for yesterday morning showed a deep depression in Long. 30°

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.

1912.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

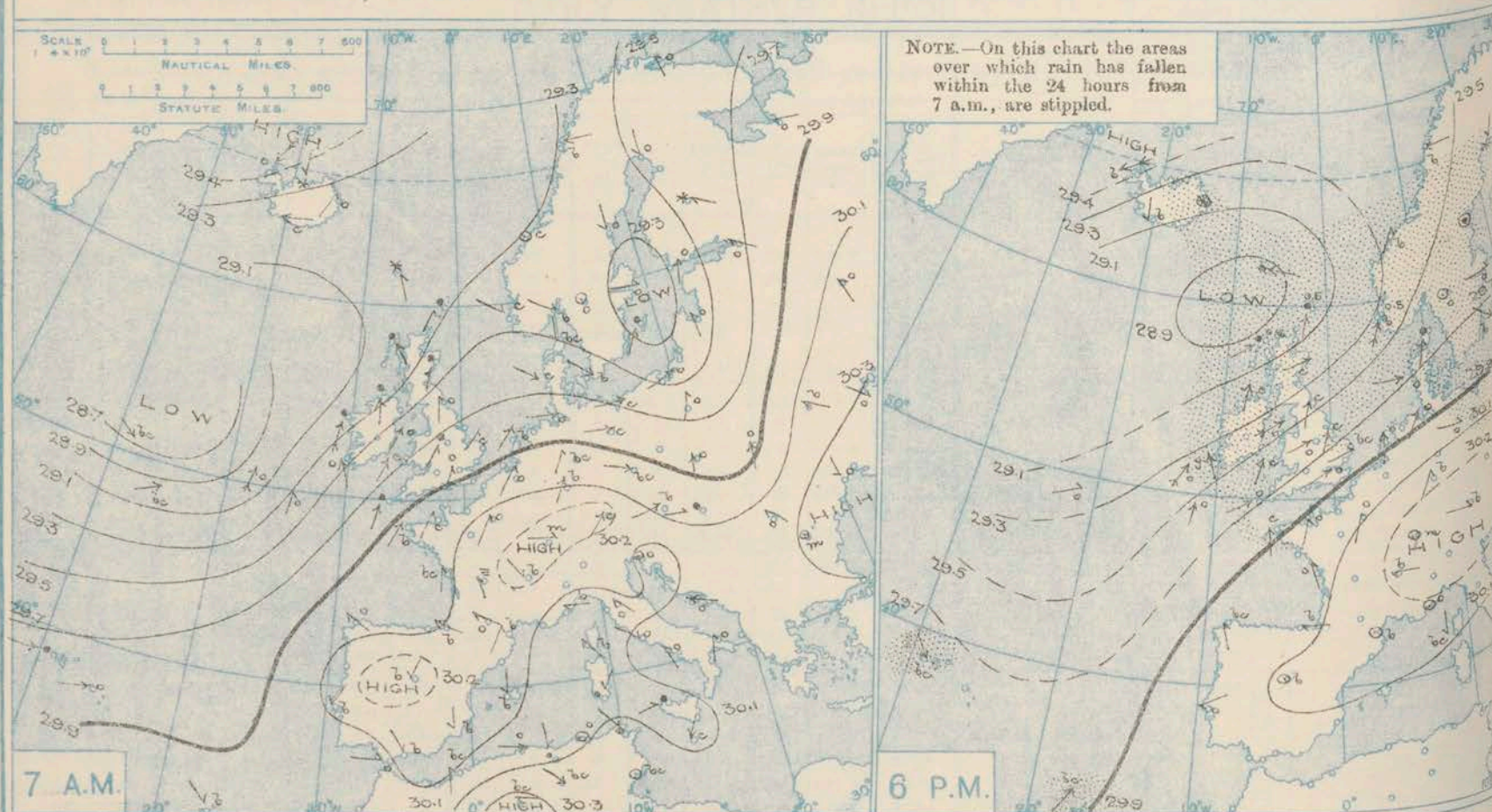
Friday
20th December, 1912.

20th December, 1912.																					
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.						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.	Sea (0 to 9).	Rain- fall.	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	28.95	46	SSW	4	r	29.20	+0.07	48	+12	SSW	5	bc	4	0.52	49	35	or	atm	bcq, bc	*	
Stornoway	28.95	50	SW	7	org	29.30	+0.09	48	+9	WSW	5	c	5	0.56	51	39	org	org	cpq	0.0	
Castlebay (Barra Isd.)																					
Malin Head	29.12	47	SSW	6	cqm	29.38	+0.08	47	+1	S	3	rm	4	0.11	49	45	gmq	gmq	atm	*	
Blacksod Point																					
Valencia	29.34	52	SSE	7	gm	29.41	+0.01	53	+2	SSE	4	r	5	0.37	53	50	om	omd	atm	0.0	
Roche's Point	29.43	51	W	5	om	29.52	*	52	+2	SSW	5	r	5	0.03	52	39	m.c	c om	or	*	
Birr Castle	29.35	51	S	7	c	29.47	*	51	+2	S	3	m	4	0.02	52	48	c	c	c om	0.0	
Donaghadee	29.35	50	S	5	cq	29.52	+0.04	49	+3	S	4	o	4	Trace	51	46	o	c epq	egq, op	*	
Liverpool Obsy.	29.61	50	SSW	4	o	29.70	+0.03	51	+5	SSW	3	c	1	-	53	46	og	c o	bc	0.0	
Holyhead	29.51	50	SW	8	o	29.62	+0.02	51	+2	SW	6	o	5	0.01	51	49	odm	dm	dm	*	
Pembroke (St. Ann's Hd.)	29.64	51	SSW	7	c	29.68	*	51	+6	SSW	7	ogpq	3	0.03	53	48	egpq	egq	egq	0.0	
Newquay	29.71	51	SSW	4	c	29.76	+0.02	53	+5	S	4	o	3	0.03	53	48	c	c	op	0.0	
Scilly (St. Mary's)	29.68	53	WSW	5	ogm	29.70	+0.02	53	+2	S	5	omq	6	0.03	54	49	cmq	omq	omq	0.1	
Jersey (St. Aubin)	29.95	51	SSW	3	og	29.99	*	46	-2	SSE	4	om	3	-	53	45	bc	c og	cm bm	1.6	
Portland Bill	29.84	52	SW	7	c	29.86	+0.01	51	0	S	6	c	5	-	53	50	c	c	c	*	
Dungeness	29.87	49	SW	6	og	29.96	+0.02	48	-1	S	6	c	6	-	50	47	c og	c o	c og	*	
Dover	29.90	48	SSW	7	o	30.01	*	46	0	SSW	5	o	6	Trace	49	46	c	c	ocbc	0.0	
Wick	29.02	45	SSW	4	c	29.31	+0.07	43	+6	SSW	2	bc	3	0.21	47	25	omd	omq	c bc	*	
Nairn	29.06	47	WSW	3	c	29.33	*	48	+12	WSW	2	bc	1	0.18	49	35	dr	cq	rq, bc	0.0	
Aberdeen	29.18	49	SW	6	c	29.45	+0.07	51	+14	SSW	4	c	2	0.06	52	47	og	c og	cq	0.0	
Leith	29.23	51	WSW	6	c	29.53	+0.08	52	+7	SSW	5	o	4	0.12	52	44	org	ogpq	epq	*	
North Shields	29.47	48	SSW	4	c	29.63	+0.04	50	+11	SSW	3	c	2	-	50	37	o	c	c	*	
Spurn Head	29.64	48	SSW	5	c	29.74	+0.01	47	+8	S	5	bc	5	-	49	38	c	c	bc	*	
Yarmouth	29.78	47	SW	2	bc	29.90	+0.08	45	+8	SSW	3	bc	3	0.05	49	36	opm	om bc	bc	0.0	
Clacton-on-Sea	29.85	46	WSW	4	o	29.95	+0.05	46	+3	S	4	bc	3	-	48	33	orogc	c og	og, bc	0.0	
Nottingham	29.68	49	SW	5	o	29.77	*	52	+9	SW	4	o	4	0.01	52	42	o	o	a c	0.0	
Bath	29.82	51	SW	5	o	29.86	*	53	+5	SW	4	o	4	-	54	48	o	o	-	0.0	
Oxford	29.80	50	SSW	6	o	29.88	*	51	+5	SSW	5	o	4	0.01	51	45	ogd	o	a c	*	
London (Kew Obsy.)	29.85	49	SW	5	og	29.93	+0.03	50	+5	S	3	o	4	-	50	45	og, o	a c, o	og, o	0.1	
ISLANDS & FAEROE.																					
Isafjord	29.44	27	NE	9	o	29.54	+0.07	25	-3	N	9	o	4	-	27	21					
Reykjavik	29.18	22	N	5	c	29.34	+0.12	28	+2	N	9	b	0	-	27	18					
Vestmanna	29.12	28	N	2	b	29.26	+0.05	20	-13	-	0	b	0	-	27	18					
Seydisfjord	29.21	28	-	0	s	29.25	+0.05	29	0	-	0	bc	0	-	27	18					
Thorshavn	28.86	37	ESE	6	t	28.91	+0.08	46	+11	SW	5	o	4	-	27	18					
SCANDINAVIA.																					
Haparanda	29.54	24	NE	2	s	29.56	+0.01	26	+5	E	2	o	4	0.16	27	21					
Hernösand	29.59	24	-	0	c	29.49	-0.08	29	+5	SE	2	s	4	Trace	29	18					
Stockholm	29.64	29	W	4	o	29.55	-0.11	35	0	SSW	4	r	4	0.08	36	28					
Wisby	29.71	35	NW	6	b	29.66	-0.08	40	+4	SW	4	r	4	0.16	39	34					
Karlstad	29.66	22	-	0	o	29.43	-0.06	41	+10	SSE	4	c	4	0.16	41	19					
Fæder (X'ania Fjord)	29.58	35	NNE	1	o	29.41	+0.03	43	+15	SW	7	o	4	0.16	43	28					
Bodö	29.47	25	E	4	b	29.34	-0.05	25	-2	E	4	b	2	-	27	25					
Christiansund	29.34	35	SW	2	b	29.03	+0.04	45	+12	WSW	8	o	4	0.32	45	32					
Skudesnaes	29.29	42	SSW	8	r	29.44	+0.04	47	+8	W	6	o	6	0.79	47	36					
The Scaw (Skagen)	29.62	38	SSW	4	r	29.58	+0.02	47	+10	W	7	o	1	0.20	47	37					
Blaavands Huk	29.69	45	W	5	o	29.81	+0.04	45	+4	W	5	bc	4	0.04	45	39					
GERMANY, &c.																					
Cuxhaven	29.87	41	SW	5	o	29.97	+0.02	42	+2	SW	5	o	4	-	43	40					
The Helder	29.87	45	S	6	o	29.99	+0.04	44	+1	S	7	b	3	-	46	43					
Brussels																					
Berlin	30.05	37	W	2	o	30.13	+0.04	38	+1	S	1	o	4	Trace	41	37					
Frankfurt	30.19	36	SW	1	b	30.25	+0.03	30	-6	-	0	f	4	-	43	30					
Munich	30.27	33	W	4	b	30.33	+0.01	27	-6	NE	2	b	4	-	39	27					
FRANCE.																					
C. Gris Nez	29.93	45	S	6	bc	30.00	+0.03	43	-4	S	5	bc	4	-	48	43					
La Hève	29.97	42	S	4	b	30.01	*	41	+2	SE	3	c	3	-	48	37					
Brest (St. Mathieu)	29.89	52	S	5	c	29.89	+0.01	51	+1	SSE	4	o	5	-	51	48					
Lorient (Bec Melen)	29.92	52	S	5	o	29.93	*	52	+2	S	3	o	5	0.04	55	48					
Rochefort (Ile d' Aix)	30.08	44	SSE	3	o	30.04	*	39	-6	SE	3	m	4	-	50	37					
Biarritz	30.03	49	E	3	b	29.98	*	45	+1	SSE	3	b	5	-	55	39					
Paris	30.11	41	SSW	2	o	30.12	+0.01	30	-4	-	0	f	4	-	41	30					
Belfort	30.23	39	-	0	m	30.28	*	41	+6	-	0	bc	4	-	47	29					
Lyons	30.21	40	W	1	b	30.25	*	33	-4	SW	1	m	4	-	49	30					
Nice	30.20	46	-	0	o	30.26	+0.01	45	+3	E	1	b	2	-	54	39					
Perpignan	30.14	43	-	0	b	30.15	+0.03	44	+6	S	1	b	4	-	57	32					
Sanguinaire	30.11	51	N	2	bc	30.16	*	52	-1	SE	2	b	2	-	55	45					
SPAIN, PORTUGAL, &c.																					
Corunna (S. a. m.)	29.95	57	SSE	3	bc	29.84	0.00	53	+3	SE	3	bc	2	-	59	50					
Lisbon (S. a. m.)	29.99	52	ESE	2	o	29.88	0.00	49	+4	ESE	4	o	5	-	57	46					
Gibraltar																					
Azores (P. Delgada)																					
Azores (Horta)	29.77	53	NW	4	bc	29.74	-0.03	50	-5	NW	4	o	6	0.32	64	46					
Madeira (Funchal)	29.88	61	SW	5	bc	29.54	-0.48	58	-1	SW	5	r	5	0.35	56	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. 19TH DECEMBER.



GENERAL INFERENCE

WEATHER PROSPECTS.

The barometer is now rising generally, and there are no indications of

the immediate advance of further disturbances though conditions remain favourable for their approach.

FORECASTS FOR THE 24 HOURS NOON FRIDAY

TO NOON SATURDAY.

0 { a } Fresh or strong south-westerly or south-easterly winds; a good deal of cloud, occasional rain; becoming cooler.

1 { Moderate southerly or south-westerly winds, fresh at times; fair generally, but cloudy; becoming cooler.

2 { a } becoming cooler.

3 { Moderate or fresh southerly winds, strong at times; fair generally, but cloudy; becoming cooler.

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 2.15 P.M. YESTERDAY.

6 { a } Same as No. 0.

7 { a } Moderate to fresh southerly winds, strong at times; mostly fair though cloudy, occasional showers becoming cooler.

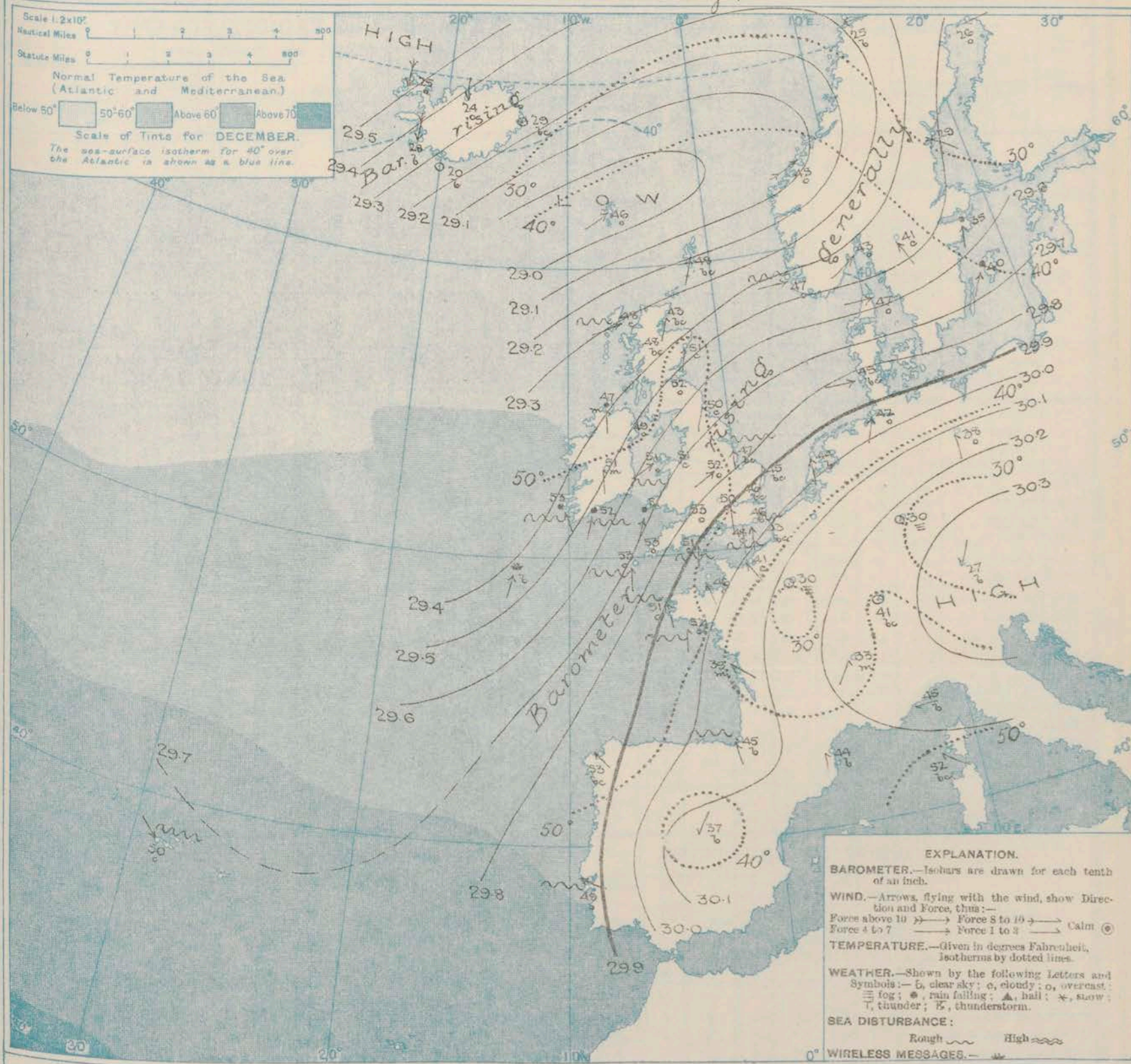
8 { a } Moderate to fresh or strong winds between South-East and South-West; mostly cloudy, with occasional rain; rather cooler.

9 { a } Moderate to fresh or strong winds, between South-East and South-West, mostly dull, some rain; rather cooler.

11 WESTERN CHANNEL AND BAY OF BISCAY. Fresh or strong southerly winds; sea rather rough; much cloud, some rain or mist.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Friday, 20th DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The British Isles lie between an anticyclone centred to the south-eastward of our area, Munich 30.33 in., and an Atlantic depression, in which the lowest reading is 28.91 in. Saerøe.

The general direction of the wind over France, England and Ireland is from South. Over Scotland and the North Sea area it is from South-West or West. In force it is mostly moderate or fresh. Temperature has risen rather decidedly since yesterday morning, the readings being above 50° over a considerable part of our islands. On the

Continent readings are slightly lower than yesterday; slight frost is reported from Paris Munich and Frankfurt. Frost also prevails in the north of Scandinavia. Rain is falling at several Irish stations, over the remainder of the country the weather is generally fair, though cloudy. The sea is rather rough in the Channel and in the Irish Sea.

DAILY WEATHER REPORT.

Friday 20th December, 1912.

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. 149 13			Oceanic	H	29.44	+0.09	SSW	4-5	bc.	19th, Jan. 48 25			Oceanic	H	29.01	0.00	WSW	6-7	bc.
19th, Jan. 149 20				H	29.16	+0.04	WSW	1-3	0	" "	49 14		Zeeland	H	?	-0.02	SSW	6-7	0
" " 51 11				H	29.22	+0.11	SW	8-9	0										
" " 49 10			Zeeland	H	?	+0.02	SSW	6-7	0										
" Jan. 50 28			Teutonic	H	28.66	+0.06	WNW	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.	Hr.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.
			Max.	Min.	Forenoon.	Afternoon.						Max.	Min.	Forenoon.	Afternoon.		
Scotland.	Oban ...	In.							England, S.E.	Ramsgate ...	In.	48	32				
	Stonehaven ...									Margate ...		49	34	0	0		
	St. Andrews ...									Deal ...		48	36	0.0	bc. on		
	Carnoustie ...									Littlestone ...							
England, N.E.	Harrogate ...	0.04	48	33	0.0	0.0	0.0		England, S.W.	Folkestone ...	0.01	49	35	g.c. bc	bc		
	Scarborough ...		50	34	0	0	0.0			Hastings ...	0.02	49	35	b.c.	bc. 0		
England, N.W.	Blackpool ...	0.15	50	39	0	0	0.0		England, S.W.	Bexhill-on-Sea ...		49	38	c	0		
	Southport ...		51	38	0	0.0	0.0			Eastbourne ...	0.01	50	37	og. bc	og		
	Buxton ...	0.19	47	32	c	c	0.0			Seaford ...	0.04	50	41	0	0		
Wales.	Douglas ...								England, S.W.	Brighton ...	0.01	50	39	0	0.0		
	Rhyl ...		52	35	c	og	0.0			Worthing ...	0.01	50	37	0	0		
	Colwyn Bay ...		51	39	bc. c	og. c	2.8			Bognor ...		51	38	0.0	bc		
England, E.	Llandudno ...	0.02	52	40	0	0	0.0		England, S.W.	Southsea ...		51	38	0.0	bc		
	Bettws y-Coed ...									Bournemouth ...	0.03	51	39	0.0	c. 0		
	Aberystwyth ...	0.06	51	44	r. 0.0	c. 0	0.0			Weymouth ...		52	42	c	c		
England, S.W.	Walton-on-the-Naze ...	0.05	47	34	0	0.0	0.0		England, S.W.	Teignmouth ...	0.04	52	41	og. c	c		
	Lowestoft ...	0.02	48	33	0.0	0.0	0.0			Torquay ...	0.01	53	40	0	0.0		
	Felixstowe ...	0.08	47	34	0.0	0.0	0.0			Paignton ...		53	36	p. bc	bc. 0		
England, S.W.	Southend-on-Sea ...	0.17	49	36	0	0.0	0.0		England, S.W.	Weston-super-Mare ...	0.29	51	40	c	c		
										Ilfracombe ...	0.15	52	45	0	0		

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.			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.	Min. on Grass.	Night.	Fore- noon.	After- noon.	
			Max.	Min.															
24 HOURS ENDED 9 A.M. TO-DAY.																			
Greenwich (Royal Obs.) ...	%	%				In.				Hr.	Dublin to 4 p.m.	In.							
City (Bunhill Row) ...	85	87	50	47	41	-	op	0	0	0.3	Plymouth to 9 p.m.	0.02	53	40	37	c op	bc	bc	0.0
Westminster (St. James's Pk.)						-				0.0	Darwen	0.42	48	34	30	bc or	on	on	0.0
Camden Sq. (Brit. Rainfall)	78	86	52	49	43	-	0	0	0	0.0	Manchester	0.03	51	36	*	or.	0	c	0.0
Hampstead (Reservoir) ...	79	89	51	47	42	-	og. c	c. 0	bc. 0	0.0	Birmingham	-	47	34	25	0	0	0	0.0
		93	49	45	41	-	0	0	0	0.0									
24 HOURS ENDED 5 P.M. YESTERDAY.																			
South Kensington ...			51	37	29	0.0													
" (Roof of M.O.)	79	87	51	38	*	*	bc or	on. 0	0	0.0									

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

20th & 21st Dec 1912.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.4	11.51	3.39
	8.4	11.51	3.38
Greenwich ...	8.5	11.58	3.51
	8.5	11.58	3.51
Wick ...	9.3	12.10	3.17
	9.3	12.10	3.17
Valencia ...	8.49	12.39	4.29
	8.49	12.39	4.29

NOTES ON YESTERDAY'S WEATHER.

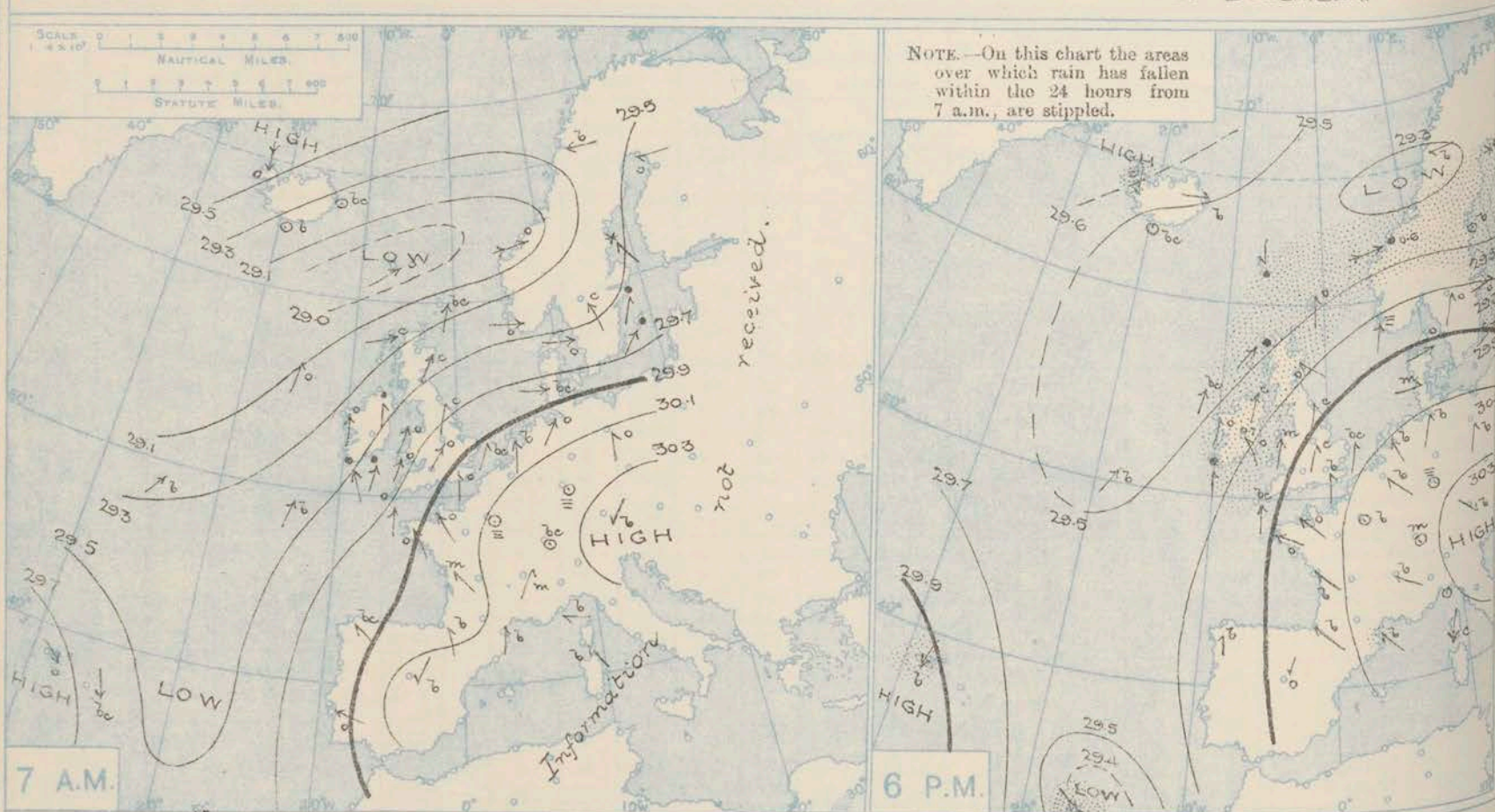
Dull weather prevailed; the amounts of bright sunshine were almost all under 1 hour. Rain fell at a considerable number of stations, over 1 inch in the extreme north. The maximum temperatures in most cases occurred in the course of the night, the highest values reported being 54° at Sully and Bath.

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.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 20TH DECEMBER.



GENERAL INFERENCE

WEATHER PROSPECTS.

There are no signs of any very decided change in the general conditions. Over the greater part of England the weather will remain for the present under the influence of the Continental

anticyclone, but in Ireland and Scotland it will be affected to some extent by depressions of moderate intensity moving over the upper part of the Atlantic.

FORECASTS FOR THE 24 HOURS NOON SATURDAY

0 { a } Southerly and south-westerly winds, moderate; cloudy generally, with slight rain in places; normal temperature.
b }

1 { Southerly and south-westerly winds, light or moderate; cloudy generally, slight rain in places;
2 { a } normal temperature.
b }

3 { Light breezes, chiefly southerly
fine in places, but mostly cloudy
4 { a } and misty; becoming rather
b } cooler.
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.

TO NOON SUNDAY.

6 { a } Southerly winds, moderate or
fresh; mild and cloudy, with
occasional rain.
b }

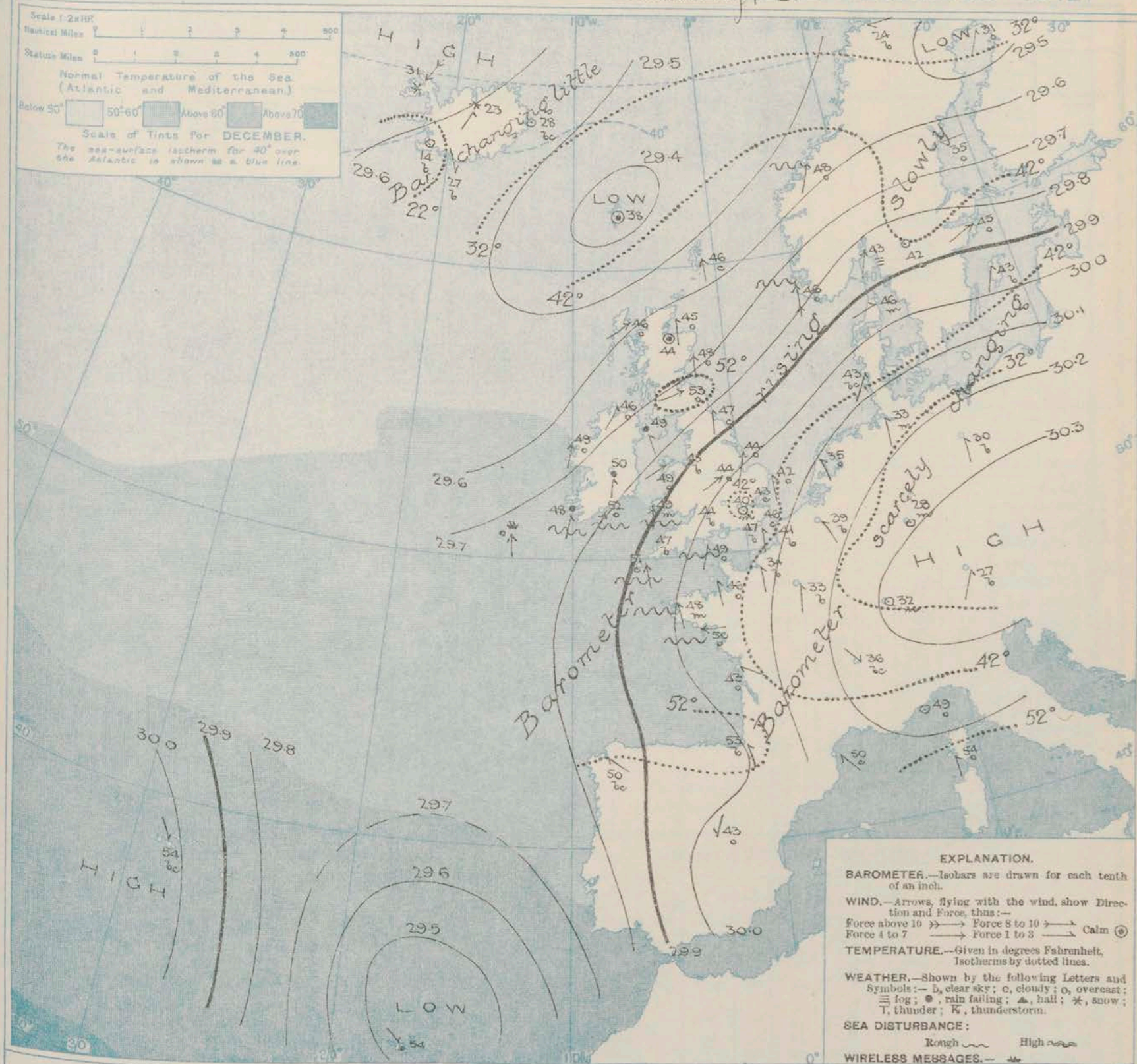
7 { Southerly winds, light or
moderate; cloudy, misty, slight
rain locally; rather cooler.
8 { a }
b }

9 { Same as No. 6 a.
10 { a }
b }

11 WESTERN CHANNEL AND BAY. Moderate to fresh southerly and south-easterly winds and a moderate sea; fair generally, but cloudy and misty in places.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Saturday, 21st DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The general distribution of pressure remains unchanged. The barometer is highest over South Germany, and lowest, 29.4 in. and less, in a shallow depression centred over the Faeroe. Another shallow disturbance, with readings below 29.5 in., lies over the north of Sweden.

The wind is S.E. in France, but S. or S.W. in nearly all other parts of Western Europe, light or moderate in force generally. A N.E. gale is blowing at Isafjord. Temperature has risen in Sweden and France, fallen in most other countries.

Over the United Kingdom the morning readings range from 53° at Leith, and slightly above 50° on our south-west coasts to 45° and less over Eastern and Central England, and to 40° at Kew. Slight frost prevails in Germany, and sharp frost in Finland and Iceland. The weather is fine and bright in France, Germany, and a few isolated parts of England, but cloudy or dull elsewhere. Rain is falling in several parts of Ireland and Scotland, and snow in Northern Iceland. The sea is rough on our south-west coasts, moderate or slight elsewhere.

DAILY WEATHER REPORT.

Saturday, 21st December, 1912.

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 Jan.	51	13	Caronia	H	29.72	+0.2	S	4-5	0	20th Jan.	49	24	Caronia	H	29.24	+0.1	SW	6-7	0
20th 6 p.m.	55	11	Carthaginian	H	29.42	0.0	SSW	4-5	bc	"	55	15	Carthaginian	H	29.10	+0.5	SSW	4-5	0
	50	19	Caronia	H	29.47	+0.11	SW	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.		In.					Hr.	England, S.E.		In.					Hr.
{ Oban ...								{ Ramsgate ...			49	43			4.4
{ Stonehaven ...								{ Margate ...			50	44		bc. b	4.7
{ St. Andrews ...			53	49	c	c	0.0	{ Deal ...			49	43	c. bc		4.0
{ Carnoustie ...								{ Littlestone ...							3.7
Eng. N.E.								{ Folkestone ...			49	45	c. bc	c. bc	5.0
{ Harrogate ...			54	46	c. o. bc	bc. c. o	0.7	{ Hastings ...			51	45	a. bc. b	bc. o	5.0
{ Scarborough ...			54	38	a. c	o. c	0.4	{ Bexhill-on-Sea ...			51	47	bc. b	b. bc	5.2
England, N.W.								{ Eastbourne ...			50	46	b. bc	bc. b	3.7
{ Blackpool ...		0.01	54	47	c. o. g	o. g	0.6	{ Seaford ...			52	44	b	bc	0.7
{ Southport ...		0.05	53	49	a. bc	o	0.0	{ Brighton ...			50	48	o. c. o	c. o	2.8
{ Buxton ...		0.145	50	31	o. cr	o. cr	0.0	{ Worthing ...			53	48	c. bc	bc. c	2.0
{ Douglas ...								{ Littlehampton ...							0.0
Wales.								{ Southsea ...			50	48	o	o. c	0.0
{ Rhyl ...		0.04	55	49	o	o	0.0	{ Bournemouth ...			50	48	o	o	0.0
{ Colwyn Bay ...		0.03	55	49	bc. p	c. o	0.0	England, S.W.							
{ Llandudno ...								{ Weymouth ...			51	48	c.	c.	0.0
{ Bettws y-Coed ...								{ Teignmouth ...			54	51	cp. c	c	0.6
{ Aberystwyth ...		0.03	55	48	or. o	a. c. o	0.0	{ Torquay ...		0.01	54	51	o	bc	0.1
England, E.								{ Paignton ...		0.02	53	50	bc	c. bc	0.0
{ Walton-on-the-Naze ...			48	44	bc. o	c	0.0	{ Weston-super-Mare ...			54	46	c	o	0.0
{ Lowestoft ...			48	40	bc	c. bc	0.5	{ Uxbridge ...		0.05	55	51	o	o	0.0
{ Felixstowe ...			47	44	cm	bc. m	0.1								
{ Southend-on-Sea ...		0.01	50	45	o	o. b. bc	1.0								

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.	Min. on Grass.	Night.	Fore-noon.	After-noon.		
			Max.	Min.														Max.	Min.
			24 HOURS ENDED 9 A.M. TO-DAY.																
Greenwich (Royal Obs.) ...	82	94	53	40	28	—	c	b	b. o	1.6	Dublin to 4 p.m.	In.							
City (Rushmill Row) ...										0.1	Plymouth to 9 p.m.								
Westminster (St. James's Pk.)	81	81	53	43	36	—	bc	bc	bc. b	0.6	Darwen "								
Camden Sq. (Brit. Rainfall)	81	91	53	42	36	—	o. c	bc, b	b. c	1.0	Manchester "								
Hampstead (Reservoir) ...		93	50	42	?	—	o. b	bc	bc o	0.3	Birmingham "								
24 HOURS ENDED 6 P.M. YESTERDAY.																			
South Kensington ...			52	48	39	—	} o. om	o. c.	bc. b	{	1.3								
" " (Roof of M.O.)	94	79	51	48															

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

21st & 22nd Dec. 1912.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.4	11.51	3.28
	8.5	11.52	3.39
Greenwich ...	8.5	11.53	3.51
	8.6	11.59	3.52
Wick ...	9.3	12.10	3.47
	9.4	12.11	3.48
Valencia ...	8.49	12.39	4.29
	8.50	12.40	4.30

During yesterday the thermometer rose to between 50° and 55° over the United Kingdom generally. At the majority of our western and northern stations there was an entire absence of bright sunshine, but on the coasts of Kent and Sussex the duration varied between 4 and 5 hours. Slight rain fell at many places in the west and north. Wireless reports show that as far west as the 24th meridian ships experienced moderate to strong breezes from the South-Westward 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.

1912.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

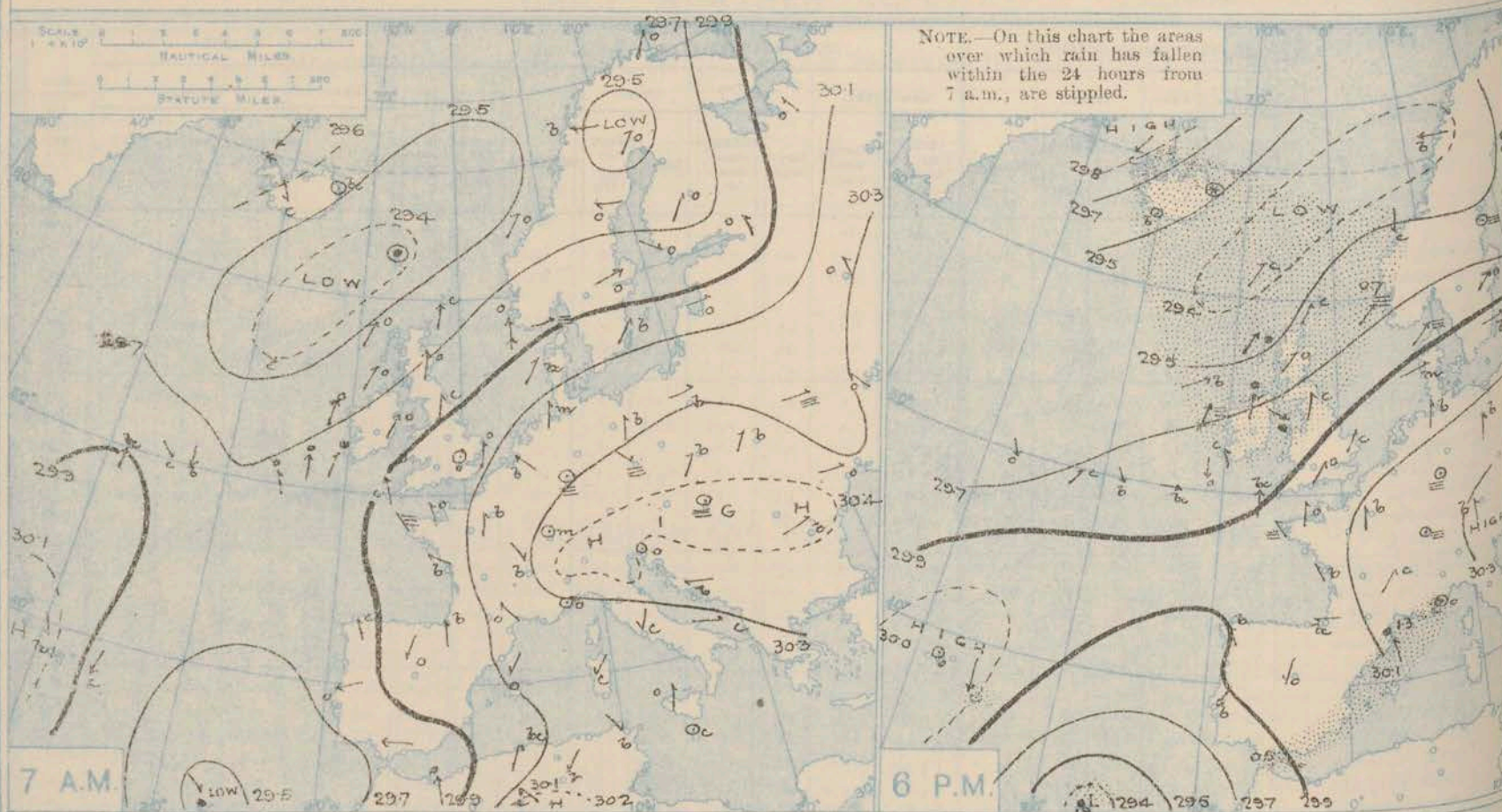
Sunday,
22nd December, 1912.

STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
	Barom.	Temp.	Wind.	Force	Weather.	At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Temp.	Wind.	Force	Weather.	Sea (0 to 9).	Rain- fall.	Temp.		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	29.51	46	SSW	2	c	29.37	-0.2	43	-3	SSW	6	bc	3	0.06	46	42	c	cm	cyp	*			
Stornoway	29.46	47	SSW	6	r	29.60	+0.4	40	-6	W	3	bc	3	0.09	48	40	c-c	c-cyp	c-be	0.0			
Castlebay (Barra Isd.)	29.64	45	S	6	cp	29.71	+0.1	43	-3	WSW	3	or	2	0.10	47	41	om	ogp	od	*			
Malin Head	29.64	48	SSW	4	m	29.71	-0.1	44	-5	SSW	2	c	2	0.09	50	42	ogm	ogpm	cpm	*			
Blacksod Point	29.83	47	SSE	2	c	29.80	-0.1	47	-1	SW	2	r	4	0.10	49	45	op-r	c-c	bcp	0.0			
Valencia	29.87	45	NNW	3	r	29.84	*	44	-8	W	3	b	5	0.28	52	41	ogr	ogr	r-a-b	*			
Roches Point	29.78	43	SSW	1	c	29.78	*	37	-13	SSE	1	c	*	0.28	50	36	or	or	c	0.0			
Birr Castle	29.77	43	SSE	2	opm	29.76	00	43	-6	S	2	c	1	0.41	49	41	omr	omr	b-cq	*			
Donaghadee	29.84	50	SSW	3	o	29.84	-0.1	44	-1	SSW	1	o	1	0.04	51	43	bm	bcp	op	2.8			
Liverpool Obsy.	29.87	45	WNW	4	r	29.81	-0.1	44	-5	-	0	b	0	0.42	50	43	bc	op	bc	*			
Holyhead	29.88	49	S	5	c	29.81	-0.2	47	-2	N	1	rg	4	0.18	51	46	ogqm	cg	cg	0.0			
Pembroke (St. Ann's Hd.)	29.92	47	SE	4	b	29.86	00	47	0	SSE	2	b	3	-	50	46	b	b-bc-b	b	1.3			
Newquay	29.88	50	S	4	bcn	29.84	-0.3	50	-1	E	4	cm	3	-	53	49	cm	bcn	cm	2.8			
Scilly (St. Mary's)	30.06	46	S	2	om	29.99	*	44	-2	S	3	bcn	3	Trace	46	39	cm	om	c-bm	0.0			
Jersey (St. Aubin)	29.99	49	S	3	c	29.93	-0.1	50	-1	SW	3	c	4	-	51	48	c	o-c	c	*			
Portland Bill	30.03	49	S	4	b	29.95	-0.1	48	+1	SSE	4	c	4	-	49	45	c-b	c-b	bc	*			
Dungeness	30.04	47	SW	4	bc	29.99	*	47	+1	S	3	bc	3	-	47	44	c-be	bc	bc	2.3			
Dover	29.56	45	SSW	3	o	29.55	+0.5	39	-6	SSW	3	bc	3	Trace	45	37	om-c	c-og	cq-bc	*			
Wick	29.56	45	WSW	2	c	29.61	*	41	-3	W	2	b	1	0.02	46	40	o	gc	bg	0.0			
Nairn	29.65	44	SW	2	o	29.64	+0.2	42	-6	SW	5	b	2	0.12	49	41	ofom	o-c	o-b	0.0			
Aberdeen	29.71	43	S	2	o	29.74	+0.2	43	-10	WSW	1	b	*	0.35	54	42	org	org	c-bc	*			
Leith	29.80	47	S	3	c	29.80	-0.1	43	-4	SSW	3	c	2	Trace	50	40	ay	c	c	1.0			
North Shields	29.88	44	SSW	5	b	29.84	-0.1	44	0	SSW	4	ow	4	Trace	46	42	bcn	bc	bc o	*			
Spurn Head	30.01	45	SSW	2	c	29.93	00	42	0	SW	2	bc	2	-	46	41	of-bc	bc-b	b-bc	0.0			
Yarmouth	30.03	45	S	2	o	29.95	-0.0	45	+2	SSW	2	o	2	-	45	43	c-og	oge	og	0.0			
Clacton-on-Sea	29.92	47	SW	2	o	29.86	*	45	+1	SW	2	c	*	-	49	44	o-bc	c-o	o-c	3.0			
Nottingham	29.97	48	S	3	o	29.90	*	48	+4	SW	1	bc	*	-	52	42	bc	b	-	2.5			
Bath	29.98	45	S	2	o	29.93	*	44	-1	S	2	b	*	-	49	43	og-bc	cm-o	o-b	*			
Oxford	30.01	47	SW	2	o	29.94	-0.0	44	+4	SSW	2	c	*	-	49	40	om-c	c-o	o-c	0.0			
London (Kew Obsy.)	29.80	30	NE	7	c	29.81	-0.1	28	-3	NE	7	c	*	-	*	*	GALES.						
Isafjord	29.60	16	-	0	b	29.66	+0.2	20	+6	E	4	b	*	-	*	*	Duration and Extreme Force						
Reykjavik	29.56	28	-	0	b	29.63	00	27	0	ENE	1	b	1	-	*	*	on British Coasts.						
Vestmanna	29.60	29	-	0	s	29.71	+0.1	27	-1	N	3	o	*	-	*	*							
Seydisfjord	29.32	44	SW	3	c	29.21	+0.8	36	-2	NNW	7	r	*	-	*	*							
Thorshavn	29.59	25	-	0	o	29.38	-0.4	25	-6	S	2	o	*	-	31	25							
Haparanda	29.49	34	-	0	f	29.45	-0.2	35	0	-	0	o	*	-	37	32							
Hernösand	29.75	45	SW	4	o	29.63	-0.6	39	-6	WSW	2	o	*	-	48	39							
Stockholm	29.92	44	WSW	4	b	29.77	-0.4	39	-4	WSW	4	o	*	-	46	36							
Wisby	29.74	42	SW	4	o	29.55	-1.0	41	-1	SSW	6	o	*	-	45	37							
Karlstad	29.71	44	SSW	7	m	29.55	-0.2	43	0	SW	7	bc	4	-	44	43							
Färder (Xania Fiord)	29.36	33	E	4	b	29.38	+0.2	31	+7	E	1	bc	1	-	33	24							
Bodö	29.50	42	SW	1	c	29.43	-0.2	41	-7	-	0	c	3	0.12	48	37							
Christiansund	29.67	46	SW	4	f	29.61	00	44	-2	WSW	6	o	5	0.67	46	41							
Skudesnaes	29.83	42	WSW	6	f	29.70	-0.2	45	-1	WSW	4	m	1	-	46	41							
The Scaw (Skagen)	29.96	42	WSW	3	m	29.83	-0.1	44	+1	WSW	3	m	2	-	45	41							
Blaavands Huk	30.06	38	S	3	b	29.95	-0.2	36	+3	S	2	m	*	-	41	33							
Cuxhaven	30.04	35	SSE	3	m	29.97	-0.0	44	+9	SSW	3	o	1	-	45	34							
The Helder	30.11	39	SSW	1	bc	30.05	-0.1	37	-2	SE	2	b	*	-	49	35							
Brussels	30.15	35	S	1	b	30.08	00	30	0	S	1	c	*	-	41	28							
Berlin	30.24	27	-	0	f	30.19	+0.1	24	-4	SW	1	f	*	-	32	24							
Frankfurt	30.31	27	SSE	1	b	30.30	-0.2	21	-6	NE	2	f	*	-	34	19							
Munich	30.05	44	SSE	2	b	29.99	-0.1	43	+2	S	2	m	2	-	48	41							
C. Gris Nez	30.02	43	S	3	b	30.02	*	41	+7	E	2	m	2	-	48	34							
La Hève	29.99	50	SE	2	m	29.97	-0.1	48	0	SE	2	m	5	-	54	46							
Brest (St. Mathieu)	29.96	48	ESE	3	b	29.97	*	48	-2	ESE	2	m	3	-	54	43							
Lorient (Bec Melen)	30.02	48	SE	3	b	30.00	*	41	-2	SE	3	bc	*	-	52	41							
Rochefort (Ile d'Als)	29.95	53	E	3	bc	29.95	*	46	-7	E	3	b	4	-	57	43							
Biarritz	30.12	37	SSE	1	b	30.06	00	31	-2	S	1	o	*	-	48	30							
Paris	30.23	41	-	0	m	30.23	*	34	+2	W	1	c	*	-	49	30							
Belfort	30.23	39	SW	1	c	30.16	*	38	+2	E	1	o	*	-	46	36							
Lyons	30.22	53	-	0	o	30.20	-0.2	49	0	-	0	o	4	0.12	55	46							
Nice	30.12	51	SE	2	r	30.05	+0.1	50	0	S	2	r	*	-	55	46							
Perpignan	29.89	53	SE	2	b	29.92	00	43	-7	SE	2	b	2	-	57	36							
Sanguinaire	29.78	51	NE	5	b	29.87	+0.4	47	-2	NE	5	b	6	-	57	46							
Corunna (8 a.m.)	29.71	58	E	4	o	29.81	*	54	-4	E	2	r	1	0.52	60	53							
Lisbon (8 a.m.)	30.03	56	N	4	c	30.05	+0.1	54	+1	NNW	4	b	2	0.04	59	50							
Gibraltar	30.08	55	-	0	o	30.06	00	62	+8	SW	2	o	2	-	62	54							
Azores (P. Delgada)	29.37	58	-	0	r	29.58	?	57	+3	?	?	r	?	1.77	59	46							
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. 21ST DEC^R



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 Coast.	South Coast.
North Coast.	North Coast.

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

Scale: 1:250,000
Nautical Miles: 0 to 100
Statute Miles: 0 to 160

Normal Temperature of the Sea (Atlantic and Mediterranean)

Below 50°	50°-60°	Above 60°	Above 70°
-----------	---------	-----------	-----------

Scales of Tints for DECEMBER
The sea-surface isotherm for 40° over the Atlantic is shown as a blue line.

EXPLANATION.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows, flying with the wind show Direction and Force, thus:—
Force above 10 → Force 8 to 10 → Force 1 to 7 → Calm ○

TEMPERATURE.—Given in degrees Fahrenheit, isotherms by dotted lines.

WEATHER.—Shown by the following Letters and Symbols:—b, clear sky; c, cloudy; o, overcast; f, fog; r, rain falling; h, hail; s, snow; t, thunder; ts, thunderstorm.

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

WIRELESS MESSAGES.—

Barometric pressure ranges from about 30.3 in. in Bavaria to below 29.6 in. in a depression over Breckina and its vicinity, and to below 29.3 in. in a depression having its centre between the Faeroe and the Coast of Norway. In a shallow secondary disturbance over the Bristol Channel and its neighbourhood it is below 29.85 in.

The main wind current over the United Kingdom is between South and South West, and its force light or moderate, but at Aberdeen there is a fresh breeze and at Lerwick a strong breeze. On our south west coast the direction is more variable; at Scilly it is Easterly,

and at Pembroke Northernly. According to wireless reports a moderate to fresh breeze from the South Westward prevails as far west as the 55th meridian. Temperature continues above the normal over these islands, ranging from about 50° on the extreme southwest coasts of England to about 40° in the north of Scotland, and to 37° at Bir Castle. Frost prevails in Central Europe and also in the far north. The weather is fine in Scotland, cloudy or overcast over these islands generally, with rain at Malin Head, Valencia and Pembroke. Fog is reported in South Germany and a cloudy to overcast sky over our Continental area as a whole.

DAILY WEATHER REPORT.

Sunday, 22nd December, 1912.

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 6 p.m.	50	10	Montezuma	H	29.89	+0.09	N	4-5	o	21st 7 a.m.	49	24	Lake Erie	H	29.76	0.00	NW	1-3	c
"	55	13	Caledonia	H	29.62	+0.05	WSW	4-5	b	"	50	15	Montezuma	H	29.79	+0.03	SSE	4-5	c
"	55	11	Corsican	O	29.53	-0.03	WSW	6-7	b	"	51	18	Caledonia	H	29.40	+0.12	WNW	4-5	b
"	49	13	Minnehaha	O	29.85	+0.01	W	4-5	bc	" 7 p.m.	49	18	Minnetonka	H	29.87	+0.01	NW	4-5	b
"	49	27	Mauretania	H	29.58	+0.05	NW	4-5	o	"	49	22	do.	H	29.89	"	N	4-5	bc
"	49	21	Lake Erie	H	29.78	0.00	SW	1-3	c	"	49	27	Saxonia	H	29.90	0.00	S	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 ...			49	42			3.7
{ Stonehaven ...								{ Margate ...			49	41			5.0
{ St. Andrews ...								{ Deal ...			48	40	bc, bc	e. b	4.7
{ Carnoustie ...								{ Littlestone ...							2.5
Eng. N.E.								{ Folkestone ...			49	44	c. bc	b. bc	1.3
{ Harrogate ...			47	38	o. c	c. bc	0.0	{ Hastings ...			49	44	o. bc	bc. o	3.8
{ Scarborough ...								{ Bexhill-on-Sea ...			51	45	bc	o. bc. o	0.7
England, N.W.								{ Eastbourne ...			52	41	o. bc. o	o. bc. o	1.0
{ Blackpool ...		0.02	48	43	o. bc	bc. o	1.0	{ Seaford ...			52	45	bc. o	o	0.1
{ Southport ...								{ Brighton ...			48	42	c. o	o. c. o	0.0
{ Buxton ...			45	31	bc	cd. o	1.6	{ Worthing ...			48	42	c. o	o	
{ Douglas ...								{ Bognor ...							
Wales.								{ Southsea ...							
{ Rhyl ...								{ Bournemouth ...			48	46	o	o	0.0
{ Colwyn Bay ...		0.03	53	49	c	c	1.8	England, S.W.							
{ Llandudno ...								{ Weymouth ...			49	46	c	c	0.3
{ Bettws y-Coed ...								{ Teignmouth ...			50	44	bc	c	0.0
{ Aberystwyth ...		0.02	51	48	d. g. o	o. c. o	0.7	{ Torquay ...			51	43	bc, c	o	0.0
England, E.								{ Paignton ...			50	40	f. o	o	
{ Skegness ...			46	43	b	o	1.0	{ Weston-super-Mare ...							
{ Lowestoft ...								{ Ilfracombe ...			50	45	bc, c	b	4.1
{ Felixstowe ...			47	40	bep	gm. o	1.8								
{ Southend-on-Sea ...			48	41	bc	bc	0.6								

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rain-fall.	WEATHER.			Sunshine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.	Min. on Grass.		Forenoon.	Afternoon.	Night.	
Greenwich (Royal Obs.) ...	88	93	49	41	30	-	o	o	0.6
City (Rushmill Row) ...									0.0
Westminster (St. James's Pk.)	84	90	50	45	37	-	bc. o	o	0.0
Camden Sq. (Brit. Rainfall)	85	88	49	43	37	-	o	c	0.0
Hampstead (Reservoir) ...		91	47	43	32	-	o	o. bc	0.0
24 HOURS ENDED 9 A.M. TO-DAY.									
24 HOURS ENDED 6 P.M. YESTERDAY.									
South Kensington ...			49	44	34	Trace	omo	o	0.0
" (Roof of M.O.)	83	90	50	45					0.0

Additional Observations for Yesterday.

STATIONS.	Rain-fall.	TEMPERATURE.		WEATHER.			Sunshine
		In Screen.	Min. on Grass.	Night.	Forenoon.	Afternoon.	
Dublin to 4 p.m.	0.27	54	43	43	opq	c. or	gr
Plymouth to 9 p.m.	-	51	45	?	op	bc	o
Darwen							
Manchester							
Birmingham		48	41	35	bc	o	3.0

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

22nd & 23rd Dec 1912		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	8.5	11.52	3.39
	...	8.5	11.52	3.39
Greenwich	...	8.6	11.59	3.52
	...	8.6	11.59	3.52
Wick	...	9.4	12.11	3.18
	...	9.4	12.11	3.18
Valencia	...	8.50	12.40	4.30
	...	8.50	12.40	4.30

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to 50° or slightly above it in many parts of the United Kingdom and touched 54° at Leith. Very little bright sunshine was recorded in the western and northern districts, but on the coasts of Kent and Sussex the amount was considerable, nearly 6 hours at Deal. Rain fell at most stations in the west and north. Wireless reports showed that as far west as the 27th meridian ships experienced moderate to fresh breezes from various quarters, the weather being mostly fair, but dull in places.

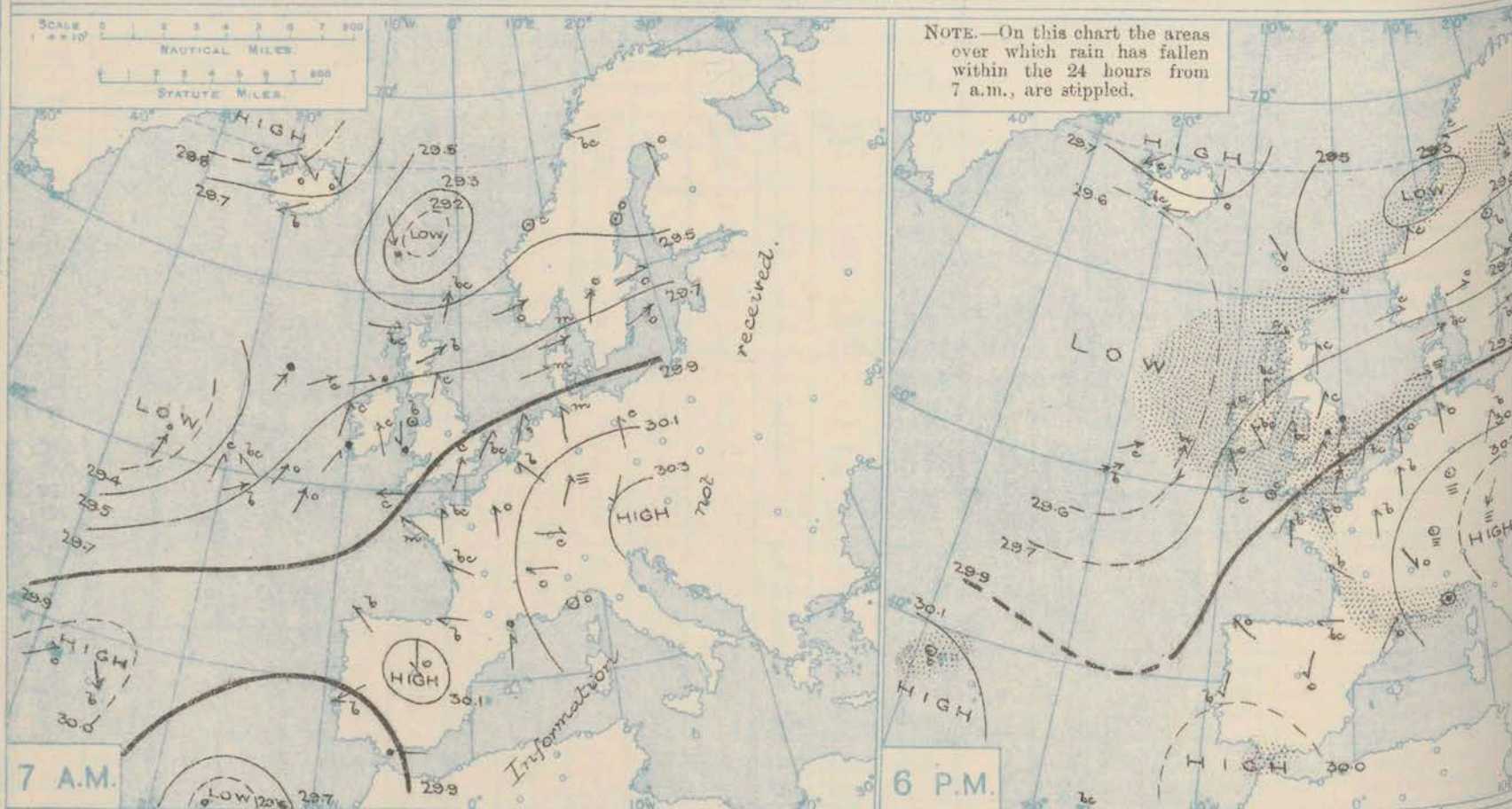
NOTE.—The information relating to weather is indicated by the following letters:—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; 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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Monday,
23rd December, 1912.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 22ND DECEMBER.



GENERAL INFERENCE

An extensive depression out on the Atlantic is making very little progress, and the

WEATHER PROSPECTS.

open type of weather is likely to be maintained for the present.

FORECASTS FOR THE 24 HOURS NOON MONDAY

TO NOON TUESDAY.

0 {
a
b

Same as Dec. 6 to 10.

1

light to moderate breezes

2 {
a
b

between S. and S.W.; fair to dull

3

and damp, slight rain locally.

4 {
a
b

some mist; 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 Coast.	South Coast.
North Coast.	North Coast.

NO WARNINGS ISSUED.

6 {
a
b

Wind between S. and S.W., fresh

7 {
a
b

to strong at times on coast;

8 {
a
b

gusty, fair to dull and damp.

9 {
a
b

some rain and mist; mild.

10 {
a
b

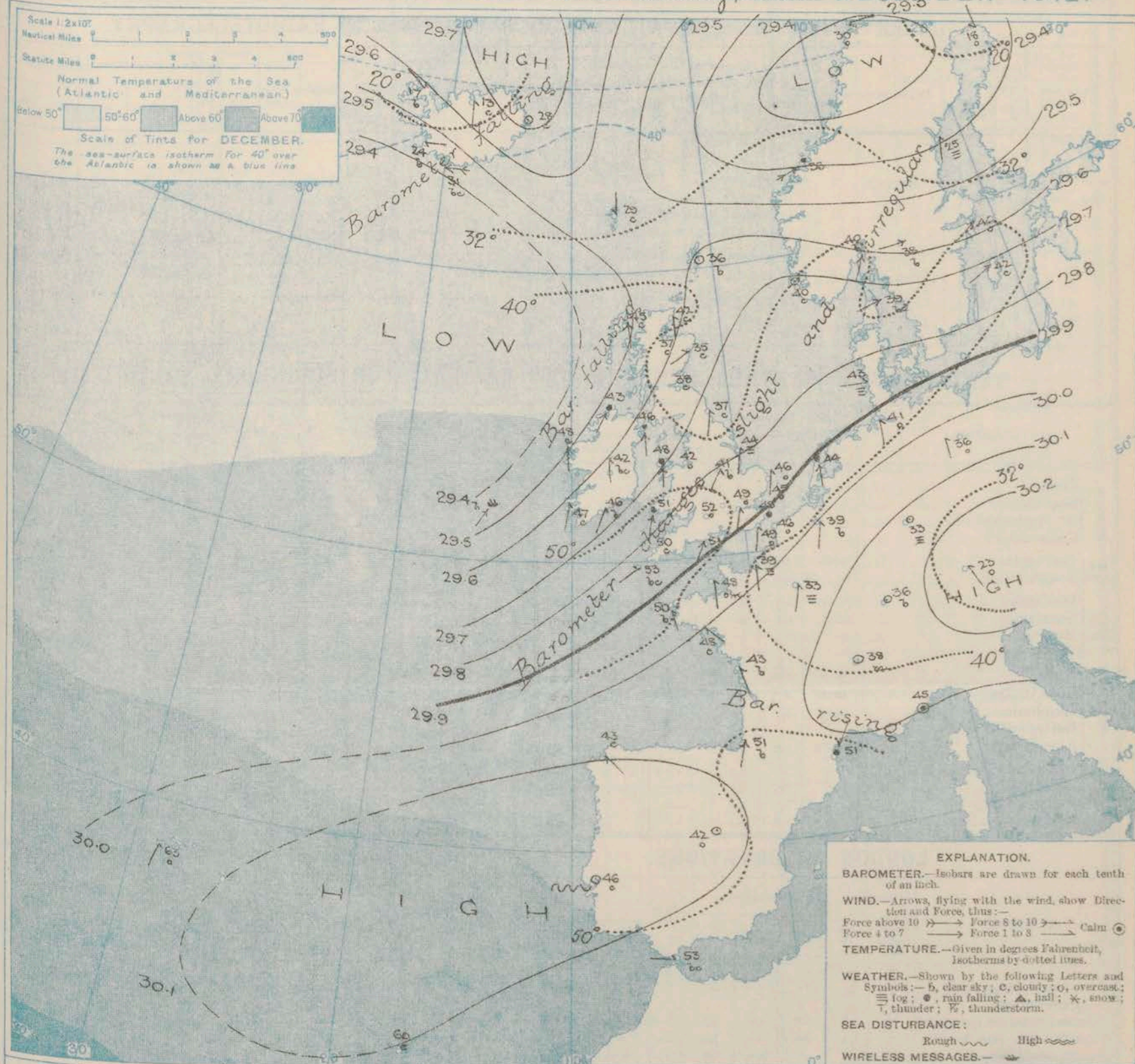
11 WESTERN CHANNEL AND BAY.

sea smooth to moderate; fair to dull and damp, some showers and mist; mild.

THE FURTHER OUTLOOK. (All Districts)

Dull, damp weather continuing

SYNOPTIC CHART FOR 7 A.M. Monday, 23rd DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

In an area of high pressure centred over Bavaria the barometer is above 30.2 in. In a depression over Northern Norway pressure is below 29.3 in., and in another to the southward of Iceland it is below 29.4 in. The gradient is slight to moderate.

The winds are variable over Iceland and Northern Scandinavia, mainly S.^W to S.^E over the rest of our area. As a rule the force is light to moderate, but a S.^W gale is reported at

Christiansund, and a strong E.^W gale off the south of Iceland. At the home stations temperature ranges from 35° at Aberdeen to 53° at Sully; on the Continent from 23° at Munich to 53° at Gibraltar, over Scandinavia from 18° at Haparanda to 42° at Wisby; and in Iceland from 13° to 31°. At home and abroad the weather varies from fine to dull, with rain, mist or fog in places. The sea is moderate to very smooth on all coasts.

DAILY WEATHER REPORT.

Monday, 23rd December, 1912.

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.	
23rd 7 a.m.	51	14	Saxonia	H	29.67	+0.1	SW	6-7	b	22nd 7 a.m.	50	20	Saxonia	H	29.73	-0.3	SSW	4-5	c
22nd 6 p.m.	50.2	8.59	H.M.S.	H	29.86	-0.3	WSW	2	c	"	50	19	Mauretania	H	29.59	-0.5	SE	1-3	bc
					Dry Bulk, 51°		Wet Bulk 50°		Sea Temp. 51°		49	18	Minnehaha	O	29.65	-0.7	WSW	6-7	o
					Sea Disturbance 3. Irregular W. to S.W. swell						50	16	Lake Erie	H	29.72	-0.2	SW	4-5	o
	50	25	Celtic	O	29.31	-2.1	SSW	4-5	o		55	15	Corsican	O	29.67	+0.4	SW	4-5	o
	50	19	Lake Champlain	O	29.41	+1.0	WSW	8-9	b		49	13	Minnetonka	H	29.86	0.0	SW	4-5	c
	50	17	Saxonia	H	29.56	+0.8	WSW	6-7	c		55	11	Cameronia	O	29.61	-0.2	WSW	4-5	c
	51	12	Mauretania	H	29.58	+0.1	SSW	4-5	bc										
	51	12	Campania	O	29.56	-0.4	SSW	4-5	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.	Oban ...	In.						England, S.E.	Hr.	Ramsgate ...	In.						2.9
	Stonehaven ...									Margate ...		50	43	*			2.5
	St. Andrews ...									Deal ...		50	46	w. oe	bc. c		1.9
	Carnoustie ...									Littlestone ...		49	40	*	*		4.5
England, N.E.	Harrogate ...	0.01	45	41	bc. c	o. c	0.0	England, S.W.	Hr.	Folkestone ...		50	46	b. bc	bc. m		5.0
	Scarborough ...		46	41	of	of	0.0			Hastings ...		51	45	o. bc	c. o		5.4
England, N.W.	Blackpool ...	0.07	47	39	r. c	m. oe	2.9	England, S.E.	Hr.	Bexhill-on-Sea ...		52	46	bc. b	bc. c		5.1
	Southport ...	0.12	45	41	bc. f. o. c	c. bc. b. f	0.9			Eastbourne ...		50	45	bc	b. bc. c		5.1
	Buxton ...									Seaford ...		50	46	b	b. bc. c		0.7
	Douglas ...									Brighton ...		49	47	o. bc	o. bc. c. o		1.4
Wales.	Rhyl ...	0.04	46	41			0.0	England, S.W.	Hr.	Worthing ...		50	46	o. bc	bc. b		1.7
	Colwyn Bay ...	0.09	47	42	c. bc	bc. c	0.5			Littlehampton ...		*	*	*	*		1.4
	Llandudno ...	0.23	47	42	o	o	0.0			Southsea ...		51	46	o. c. bc	bc. o		0.1
	Bettws y-Coed ...									Bournemouth ...		51	47	o	o		0.0
England, E.	Aberystwyth ...	0.57	47	43	m	m. r. c	0.0	England, S.W.	Hr.	Weymouth ...		50	48	o. c	c. o		0.1
	Walton-on-the-Naze ...		47	43	bc. o. bc	o. bc. b	0.0			Teignmouth ...		53	48	c	c		0.0
	Lowestoft ...		47	41	bc	c. o. c	1.2			Torquay ...		53	45	o	o		0.0
	Felixstowe ...		47	43	m	c				Paignton ...							3.3
	Southend-on-Sea ...		48	42	bc	bc	0.2			Weston-super-Mare ...		52	44	b	b. bc		0.4
										Ilfracombe ...	0.18	53	46	c. bc. c	r. d. e		0.4

LONDON OBSERVATIONS.

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.							
Greenwich (Royal Obsy.) ...	% 81	% 94	" 51	" 44	" 39	0.03	b. bc	bc. c. o	0.0p	Hr. 1.44
City (Rushmill Row) ...	" *	" *	" *	" *	" *	0.06	" bc	" bc	" bc. r. om	0.0
Westminster (St. James's Pk.)	96	92	52	46	44	0.07	o. c	c	0.1	0.1
Camden Sq. (Brit. Rainfall)	-	93	50	46	44	0.05	c. o	o	0.1	0.1
Hampstead (Reservoir) ...	"	99	48	44	38	0.05	c. o	o	0.1	0.1
24 HOURS ENDED 6 P.M. YESTERDAY.										
South Kensington ...	"	"	50	45	35	-	Night.	Fore- noon.	After- noon.	"
" " (Roof of M.O.)	-	93	52	46	"	"	2.0	0.0m	0.0	0.2

Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine
		In Screen.		Min. on Grass.	Night.	Fore- noon.	After- noon.	
		Max.	Min.					
Dublin to 4 p.m.	in.	"	"	"				Hr.
Plymouth to 9 p.m.								
Darwen "								
Manchester "				"				
Birmingham "								

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

23rd December, 1912.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.5	11.52	3.39
	8.6	11.53	3.40
Greenwich ...	8.6	11.59	3.52
	8.7	12.0	3.53
Wick ...	9.4	12.11	3.18
	9.5	12.12	3.19
Valencia ...	8.50	12.40	4.30
	8.51	12.41	4.31

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature rose to between 50° and 53° at many southern stations, but remained below 45° in the north of Scotland. Rain has fallen in most districts, but no large amounts are reported. The eastern part of Sussex had from 5 to 5½ hours of bright sunshine, but in other districts numerous stations had none or less than an hour.

As for west as the 26th meridian ships experienced light to strong S.W. winds and changeable weather, rain at times.

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, with or 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.

1912.

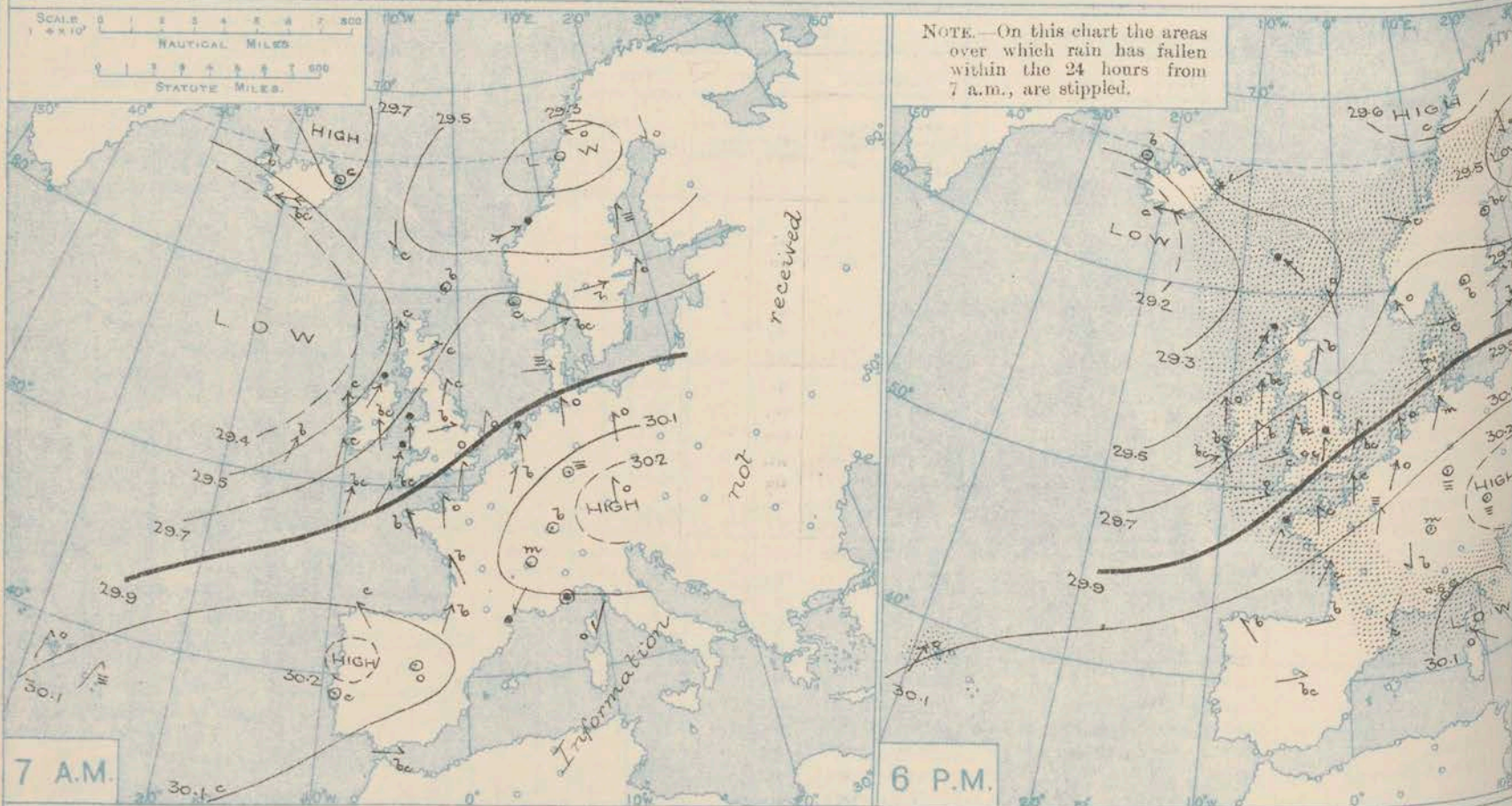
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Tuesday

24th December, 1912.

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.				
																						Hours.	
Lerwick	29.46	44	SSE	3	o	29.51	00	42	+6	SSW	2	b	2	0.06	44	34	o	adm	bc	bc	*		
Stornoway	29.47	44	SW	4	bcp	29.46	-03	40	-5	SW	4	c	4	0.28	46	39	o bcp	bcp	b. bcp	0.7			
Castlebay (Barra Isd.)																							
Malin Head	29.54	42	S	4	bc	29.40	-12	42	-1	SSW	5	rg	3	0.07	46	38	gg	gg	bcq	*			
Blacksod Point	29.54	47	S	5	o	29.21	-28	47	-1	SSE	7	o	4	0.24	48	43	ogm	ogm	cgpm	*			
Valencia	29.67	47	SSE	2	bc	29.26	-20	43	-4	S	7	r	5	0.41	51	41	c.og	bcp	c.b.m.r	0.3			
Roche's Point	29.72	47	SW	3	c	29.46	*	52	+6	SW	8	o	6	0.09	52	45	b.o	cp	cp.b.o	*			
Birr Castle	29.65	39	S	1	b	29.38	*	49	+7	SE	5	o	*	0.10	49	38	bc	b.p	bcp.op	3.0			
Donaghadee	29.67	44	SSW	3	r	29.60	-07	44	-2	SSE	3	r	2	Trace	49	40	or.bc	bcomr	bcp.or	*			
Liverpool Obsy.	29.77	46	SSW	3	bc	29.76	-03	44	+2	SSE	2	c	2	0.04	51	41	p.bc	bc.o	c	2.5			
Holyhead	29.72	49	SSW	4	bc	29.64	-01	49	+1	SW	5	o	4	0.13	50	46	c	bc	om	*			
Pembroke (St. Ann's Hd.)	29.78	49	WSW	3	c	29.74	-08	50	-1	S	6	ogq	5	0.12	53	48	om	c	cm	0.0			
Newquay	29.82	47	SW	2	b	29.78	-08	51	+1	SSE	5	o	4	0.44	52	46	od.or	c.bc	cp	0.0			
Scilly (St. Mary's)	29.83	50	WSW	3	om	29.81	-05	52	-1	S	6	ogm	6	0.12	54	48	cpm	om	bcp	1.6			
Jersey (St. Aubin)	29.98	50	S	3	c	30.09	*	50	+2	SW	3	bcom	3	0.09	52	47	cpm	c	cp.b.c	2.7			
Portland Bill	29.86	51	SSW	4	r	29.97	-01	51	0	SW	4	c	4	0.16	52	49	c	c.r	r.c	*			
Dungeness	29.92	49	S	4	c	29.97	-02	50	+1	SSW	5	c	4	Trace	50	47	r.c.o	c	cp.c	*			
Dover	29.85	48	SSW	4	o	30.01	*	48	0	SSW	4	bc	4	0.01	49	46	r.o	o	op.bc	0.0			
Wick	29.54	42	S	2	bc	29.52	-02	42	0	SSW	3	bc	3	0.01	44	37	cpm	bc	b	*			
Nairn	29.54	40	SW	1	b	29.51	*	41	+4	W	1	c	1	Trace	45	34	bc	b	gc	1.8			
Aberdeen	29.59	41	SSW	3	b	29.60	-03	40	+5	SW	1	o	2	-	45	35	cy.bc	bc.bx	ty.c.o	0.3			
Leith	29.61	43	WSW	3	b	29.61	-03	44	+6	S	2	b	*	-	49	37	c.bcp	bc.b	b	*			
North Shields	29.70	43	S	2	cy	29.73	-02	39	+2	SSW	2	c	2	-	45	36	c	c	cy.c	*			
Spurn Head	29.78	47	S	3	c	29.84	+01	41	-3	SSW	4	bew	3	0.03	49	40	om	or.c	od.bc	*			
Yarmouth	29.87	47	SSW	2	bc	29.95	+05	43	-3	SW	2	bc	2	0.09	52	42	o.bc	bc	bcp	0.8			
Clacton-on-Sea	29.91	46	SSW	2	bc	29.96	+03	44	-1	SSW	2	c	2	0.01	49	43	og.bc	bc	bc.c	1.6			
Nottingham	29.79	49	S	2	r	29.86	*	42	+1	SSW	3	bc	*	0.02	54	38	bc	cp.o	op.bc	0.4			
Bath	29.85	47	SW	1	o	29.92	*	42	-10	SSW	1	o	*	0.63	55	40	b.bc	or.o	-	3.0			
Oxford	29.86	46	SSE	2	o	29.94	*	44	-6	SSE	2	c	*	0.29	51	41	bc.c	c.o	or.ogm	*			
London (New Obsy.)	29.90	50	SSW	3	o	29.97	+02	47	-2	WSW	3	bc	*	0.15	52	44	bc.c	c.o	or.c.bc	1.9			
																						GALES.	
																						Duration and Extreme Force on British Coasts.	
																						Roche's Point 5 a.m. - 7 a.m. Extreme S.W. 8.	
Isafjord	29.45	19	-	0	b	29.22	-03	36	+19	E	3	b	*	*	*	*	*	*	*	*			
Reykjavik	29.13	32	E	3	o	28.98	+03	37	+13	E	5	o	*	*	*	*	*	*	*	*			
Vestmanna	29.14	36	E	3	c	29.02	+02	36	+5	E	8	r	4	*	*	*	*	*	*	*			
Seydisfjord	29.54	31	NE	3	s	29.25	-05	33	+5	E	3	r	*	*	*	*	*	*	*	*			
Thorshavn	29.34	39	SE	5	r	29.30	-02	37	+8	-	0	c	*	*	*	*	*	*	*	*			
Haparanda	29.49	16	N	2	o	29.80	+12	0	-18	NW	2	b	*	0.08	18	0	*	*	*	*			
Hernösand	29.54	34	-	0	bc	29.84	+06	26	+1	N	2	c	*	-	36	23	*	*	*	*			
Stockholm	29.72	35	WSW	2	b	29.85	+01	33	-7	SSW	2	o	*	-	41	32	*	*	*	*			
Wisby	29.81	40	WSW	4	b	29.94	+01	39	-3	SSW	2	c	*	-	43	37	*	*	*	*			
Karlstad	29.78	31	-	0	b	29.84	00	37	-1	-	0	o	*	-	39	28	*	*	*	*			
Færder (X'ania Fjord)	29.75	38	WSW	2	c	29.77	00	41	+1	S	2	r	2	-	41	38	*	*	*	*			
Bodö	29.62	28	E	2	c	29.78	+01	21	-9	E	3	b	1	-	30	19	*	*	*	*			
Christiansund	29.62	40	W	4	c	29.58	-04	37	-1	SE	2	o	4	0.24	41	34	*	*	*	*			
Skudesnaes	29.71	43	SSE	6	o	29.71	00	44	+4	S	4	o	4	0.04	44	40	*	*	*	*			
The Scaw (Skagen)	29.83	41	W	2	c	29.79	-01	44	+5	WSW	3	f	1	0.04	45	39	*	*	*	*			
Blaavands Huk	29.87	43	SW	2	m	29.88	+01	44	+1	SW	3	f	2	0.04	45	43	*	*	*	*			
Cuxhaven	29.95	44	SSW	2	m	29.97	00	43	+2	S	3	m	*	0.16	45	43	*	*	*	*			
The Helder	29.94	44	S	5	o	29.95	00	45	+1	S	5	o	2	0.12	45	43	*	*	*	*			
Brussels	30.04	42	SSW	4	o	30.09	+04	45	+6	SW	4	o	*	-	50	38	*	*	*	*			
Berlin	30.07	36	S	1	b	30.12	+01	35	-1	S	2	c	*	-	45	34	*	*	*	*			
Frankfurt	30.16	35	-	0	f	30.23	+04	32	-1	-	0	f	*	-	39	28	*	*	*	*			
Munich	30.24	27	-	0	f	30.34	+01	29	+6	SW	2	c	*	-	34	23	*	*	*	*			
C. Gris Nez	29.98	45	S	5	o	30.02	+03	49	+3	SSW	4	c	3	0.04	49	43	*	*	*	*			
La Hève	29.98	44	S	3	c	30.06	*	46	+7	SSW	4	c	4	0.08	50	43	*	*	*	*			
Brest (St. Mathieu)	29.97	51	SW	3	r	30.06	-01	51	+1	S	5	o	5	0.04	54	50	*	*	*	*			
Lorient (Bec Melen)																							
Rochefort (Ile d'Aix)	30.13	50	SW	2	c	30.27	*	50	+7	SW	3	b	*	0.04	52	41	*	*	*	*			
Biarritz	30.17	52	WSW	2	b	30.30	*	56	+5	S	3	b	2	-	56	48	*	*	*	*			
Paris	30.09	42	SSW	3	f	30.19	+05	44	+11	SW	3	bc	*	0.12	44	33	*	*	*	*			
Belfort	30.14	41	-	0	m	30.31	*	39	+3	W	2	o	*	-	49	33	*	*	*	*			
Lyons	30.18	42	-	0	b	30.38	*	35	-3	-	0	bc	*	-	48	33	*	*	*	*			
Nice	30.10	46	-	0	c	30.25	00	42	-3	-	0	b	2	0.47	52	41	*	*	*	*			
Perpignan	30.15	50	NE	1	c	30.34	+03	50	-1	NW	2	b	*	0.08	56	48	*	*	*	*			
Sanguinaire	30.07	52	SE	5	o	30.15	*	55	0	SE	3	o	3	0.16	55	45	*	*	*	*			
Corunna (8 a.m.)	30.17	54	SE	2	b	30.29	+04	50	+7	SE	3	o	3	-	57	43	*	*	*	*			
Lisbon (9 a.m.)																							
Gibraltar	30.23	55	NE	1	b	30.34	*	49	-4	E	2	bw	1	-	67	48	*	*	*	*			
Azores (P. Delgada)																							
Azores (Horta)	30.09	64	SSW	5	o	30.07	+02	59	-4	SSW	1	o	2	0.16	64	57	*	*	*	*			
Madeira (Funchal)																							

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 23RD DECEMBER.



GENERAL INFERENCE

A deep depression approaching our western coasts is expected to produce rough

WEATHER PROSPECTS.

weather over the country generally within the ensuing 24 hours.

FORECASTS FOR THE 24 HOURS NOON TUESDAY

TO NOON WEDNESDAY

0 {
a
b

1

Wind between S. and S.W.,

2 {
a
b

increasing, strong to a gale
in places later; squally.

3

changeable, some rain and

4 {
a
b

mist; 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 at 8 a.m.

6 {
a
b

7 {
a
b

S.W. to S.W. strong winds to gales;

8 {
a
b

squally, unsettled, some rain.

9 {
a
b

mist or fog; mild.

10 {
a
b

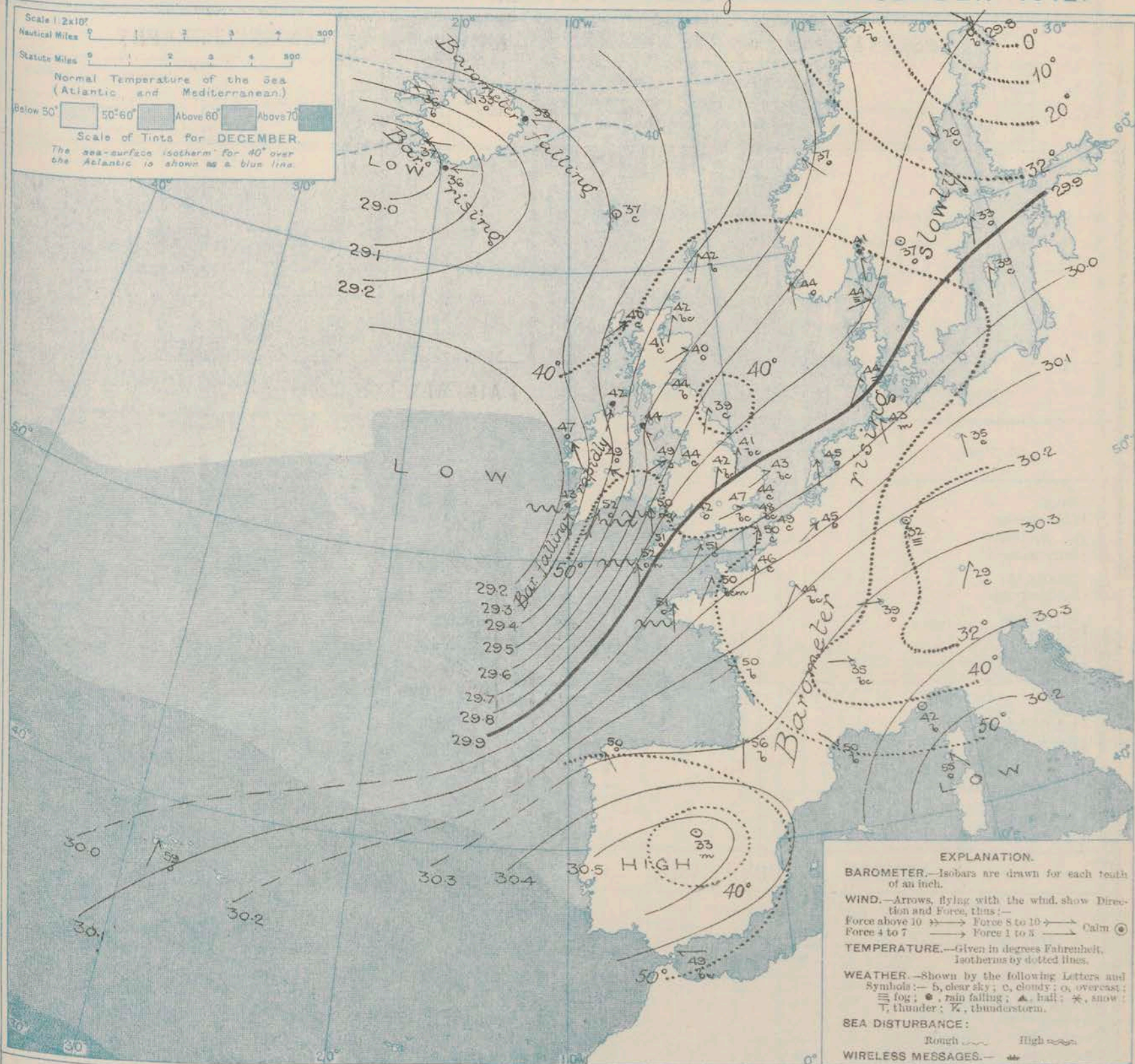
11 WESTERN CHANNEL AND BAY.

Increasing squally S.W. to S.W. winds, strong to a gale; sea becoming rough; high S.W. swell; fair to dull, some rain mist or fog; mild.

THE FURTHER OUTLOOK. (All Districts).

Conditions remaining mild and unsettled.

SYNOPTIC CHART FOR 7 A.M. Tuesday, 24th DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A well marked anticyclone embraces the western half of the Continent, with the barometer above 30½ in. at Madrid. In a deep depression off the southwest of Iceland pressure is below 29 in. A new depression is approaching Ireland, where the barometer is falling rapidly, and is already at 29.2 in. off the coast of Mayo. The gradient is very steep over our western districts, moderate to slight elsewhere.

E. breezes prevail over Iceland and Northern Norway, a S. to S.W. current in nearly all other parts

of our area. A strong wind to a gale is reported at some of our western stations and in Southern Iceland; in most other regions the wind is light. Over the British Isles temperature ranges from 39° at Shields to 52° at Roche's Point and Sully; on the Continent from 29° at Munich to 51° at Brest; in Scandinavia from 0° at Haparanda to 44° at Skudesnaes; and in Iceland from 33° to 37°. The weather is fine and clear in many parts of France and Northern Scandinavia, elsewhere it varies from fair to dull, rain is falling at a few Irish and foreign stations, and the atmosphere is foggy at Frankfurt and in Denmark.

DAILY WEATHER REPORT.

Tuesday 24th Decr. 1912.

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.	
23rd 6 p.m.	51	10	Saxonia	H	29.81	+0.6	SW	4-5	bc						In.	In.		(0-12).	
19 p.m.	49	13	Kroonland	O	29.65	-1.0	SW	6-7	o										
7 a.m.	49	9	Lake Erie	H	29.78	+1.6	SSW	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, N.E.		In.					Hr.	England, S.E.		In.					Hr.
Oban								Ramsgate		0.01	50	44	*	*	0.0
Stonehaven								Margate		?	49	48		bc	0.0
St. Andrews			45	34			0.0	Deal			50	45	w. cp	*	0.0
Carnoustie								Littlestone							0.0
Harrogate		0.02	48	33	op.m	c. bc. o	0.0	Folkestone		0.02	48	45	bc. r. o	r. o	0.0
Scarborough			50	39	af	of	0.0	Hastings		0.02	49	45	op	o	0.0
Blackpool		0.03	50	38	or	c	1.1	Bexhill-on-Sea		0.01	49	46	c. o	o	0.0
Southport		0.03	49	38	or. bc	bc. bc. o	1.7	Eastbourne		0.03	54	49	o	o	0.0
Buxton		0.02	48	38	bc.m	bc. o	0.0	Seaford		0.04	49	46	r. o	o	0.0
Douglas								Brighton		0.03	49	47	o	o	0.0
Rhyl		0.02	52	37			3.3	Worthing		0.05	50	47	o	o	0.0
Colwyn Bay		0.03	53	39	bc	bc	3.5	Littlehampton			*	*	*	*	0.2
Llandudno		0.01	47	39	bc	bc	3.5	Southsea			51	48	o. c. b	c. bc	1.1
Bettws y-Coed								Bournemouth		0.08	53	48	r. o. c	c. o. r	1.9
Aberystwyth		0.05	51	48	r. o. c	c. bc. o	1.7	Weymouth		0.16	54	49	c. bc	bc. o. r	0.6
Walfon-on-the-Naze		0.02	48	43	bc. o. b	b. bc. o	2.1	Teignmouth		0.33	55	51	c. bc. c	c. o. r	1.2
Lowestoft		0.07	52	42	o. c	c. bc. b	0.9	Torquay		0.30	54	51	bc	c. o. r	1.4
Felixstowe		0.02	49	44	bc.m	bc	2.6	Paignton		0.30	55	49	bc	o. r	0.0
Southend-on-Sea		0.02	50	44	bc	bc	0.5	Weston-super-Mare		0.30	53	45	bc. c	r	0.0
								Blafrcombe		0.52	52	46	o. r	r. bc	0.0

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rainfall.	WEATHER.			Sunshine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.	Min. on Grass.		Forenoon.	Afternoon.	Night.	
Greenwich (Royal Obs.)	86	89	52	43	36	0.17	b	b. bc. o	0.7
City (Rushill Row)	*	*	*	*	*	*	*	*	0.1
Westminster (St. James's Pk.)	87	91	54	46	39	0.16	bc	bc	1.2
Camden Sq. (Brit. Rainfall)	83	90	53	45	39	0.14	o. bc	bc	1.4
Hampstead (Reservoir)	*	92	51	44	34	0.17	bc	bc	1.1
24 HOURS ENDED 9 A.M. TO-DAY.									
South Kensington	*	*	53	48	44	0.08	r. o	o	c. bc. o
" (Roof of M.O.)	81	97	53	48	*	*	*	*	1.0
24 HOURS ENDED 5 P.M. YESTERDAY.									

Additional Observations for Yesterday.

STATIONS.	RAIN-FALL.	TEMPERATURE.		WEATHER.			Sunshine
		In Screen.	Min. on Grass.	Night.	Forenoon.	Afternoon.	
Dublin to 4 p.m.	In.						
Plymouth to 9 p.m.							
Darwen							
Manchester							
Birmingham							

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

24th Decr. 1912	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 8.6	G.M.T. 11.53	G.M.T. 3.40
Greenwich	8.7	12.0	3.53
Wick	9.5	12.12	3.19
Valencia	8.51	12.41	4.31

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature exceeded 50° in many parts of England and Ireland, and touched 55° at Bath, Paignton and Teignmouth. Rain has fallen at nearly all stations, 0.6 in at Bath. As a rule there was little or no bright sunshine, and only Colwyn Bay and Llandudno had as much as 3½ hours. As far west as the 15th meridian ships experienced moderate to strong S.W. winds and fair to fine 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.

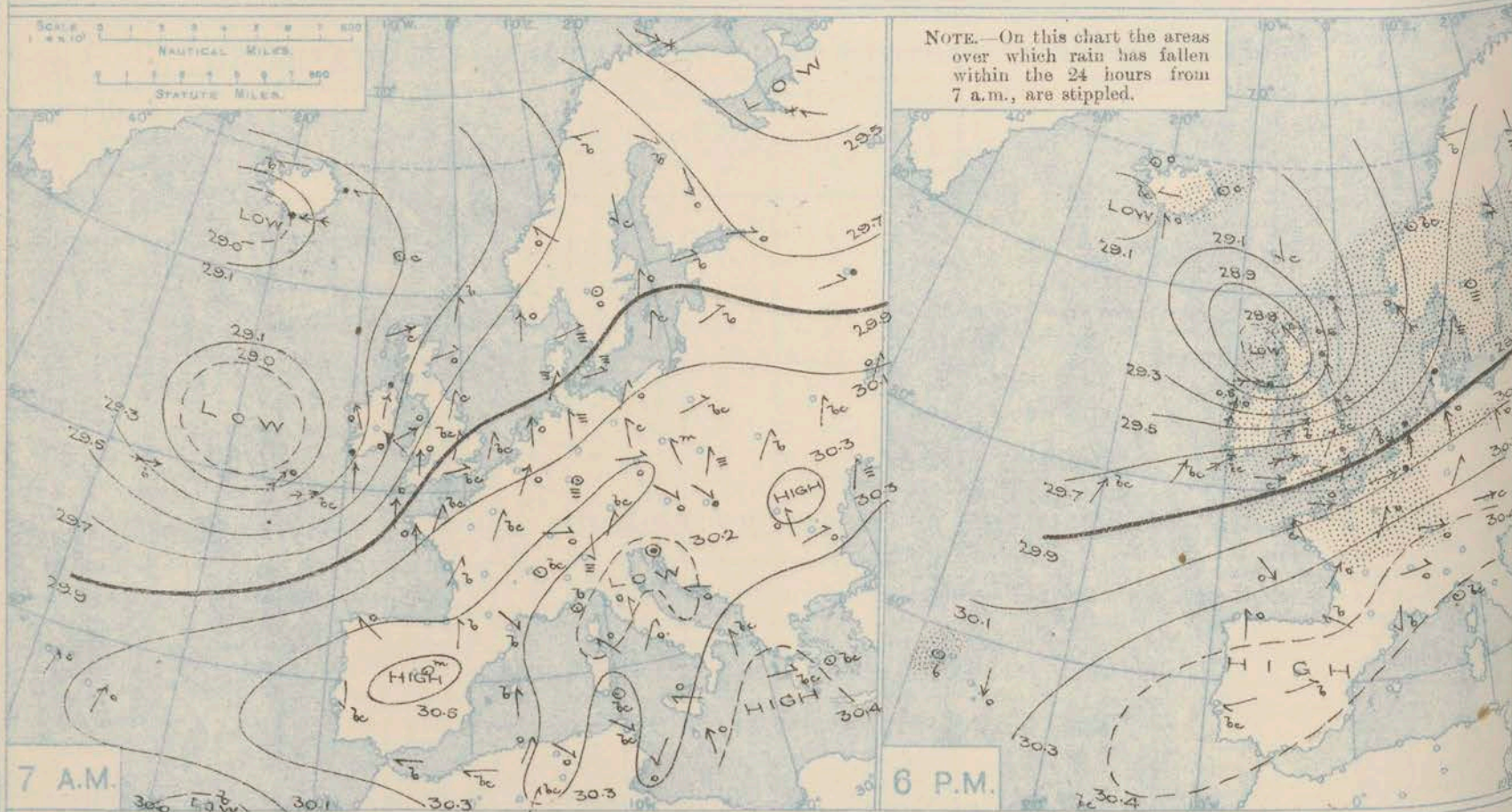
1912.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Wednesday
25th December, 1912.

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.		TEMP.		WEATHER.		Rain- fall.	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.	
	At 32° Fahr. and M.S.L. Lat. 48°.	Dry Bulb.	Force (0 to 12).	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.	Sea (0 to 9).									
Lerwick	29.17	44	SSE	5	r	28.92	+0.5	43	+1	S	4	c	3	0.14	45	40	bc	omr	cp				Hours.
Stornoway	28.83	45	SE	3	c	29.37	+1.7	42	+2	NNW	5	bc	4	0.37	45	40	or	or	c-bc				0.0
Castlebay (Barra Isd.)																							
Malin Head	28.79	45	W	9	r	29.55	+0.2	43	+1	SW	4	cpm	5	0.13	48	39	cpm	orqm	cpm				*
Blacksod Point	29.34	46	SSW	10	b	29.49	-1.3	48	+1	S	7	o	5	0.50	50	41	ogpm	ogpm	ogpm				*
Valencia	29.71	48	SW	8	bc	29.67	-0.7	47	+4	SW	6	r	6	0.13	51	41	qptl	q-bc	bcqptl				0.0
Roche's Point	29.75	47	W	5	b	29.75	*	50	-2	SW	4	b	5	0.17	52	42	op-bc	p-bc	b				*
Birr Castle	29.54	45	WSW	8	c	29.66	*	41	-8	SE	2	c	*	0.30	50	39	cp	cp	c				0.0
Donaghadee	29.19	46	SW	10	c	29.68	+0.2	39	-5	WSW	1	b	1	0.22	49	39	orq-c	bcq	bc				*
Liverpool Obsy.	29.56	48	SW	6	b	29.81	+0.1	44	0	SW	6	b	4	0.16	51	41	opq	bcq	b				0.4
Holyhead	29.51	48	SW	9	b	29.79	+0.1	48	-1	SW	5	r	4	0.23	51	45	opq	c	bc				*
Pembroke (St. Ann's Hd.)	29.76	50	WSW	8	c	29.83	-0.4	49	-1	SW	4	ogp	6	0.32	53	47	ogq	cpo	cq				0.0
Newquay	29.92	50	W	6	bc	29.86	-0.8	46	-5	SE	2	r	4	0.14	54	46	ogp	bc	c-oq				0.0
Scilly (St. Mary's)	29.91	51	W	6	cmq	29.85	-0.8	48	-4	S	3	tm	5	0.05	55	47	cpm	cpm	cpm				0.0
Jersey (St. Aubin)	30.06	53	W	4	om	30.04	*	49	-1	S	4	ogm	4	0.28	53	48	om	om	om				0.0
Portland Bill	29.91	52	WSW	7	bc	29.97	-0.5	50	-1	SSW	5	r	5	0.22	53	49	om	r-c	c-o				*
Dungeness	29.89	51	SW	5	o	30.03	+0.1	50	0	SW	3	o	4	0.09	51	48	c-o	c-o	c-o				*
Dover	29.91	50	SW	6	bc	30.06	*	49	+1	SW	4	o	4	0.10	51	46	bc-o	o-o	bc-o				0.0
Wick	28.90	45	SSE	7	c	29.15	+2.1	43	+1	NW	8	rq	6	0.55	45	39	bc-om	om-rq	om-rq				*
Nairn	28.84	44	SSE	1	c	29.32	*	42	+1	W	4	r	1	0.18	45	37	og	d-c	q-p				0.0
Aberdeen	28.94	45	SSE	5	r	29.32	+2.0	45	+5	WSW	6	c	4	0.21	47	39	or	r-bc	or-cq				0.0
Leith	28.96	45	SW	6	r	29.50	+1.2	44	0	WSW	6	bc	4	0.26	49	42	b-bc	c-oq	orq				*
North Shields	29.25	49	SSE	6	c	29.65	+0.5	44	+5	SW	4	c	2	0.10	50	39	c	r-c	c				0.0
Spurn Head	29.55	47	SW	7	bc	29.81	+0.2	43	+2	SW	7	b	6	0.09	48	40	og	orq	bcq				*
Yarmouth	29.77	49	SW	3	bc	29.97	+0.5	44	+1	SW	2	bc	2	0.22	49	42	bc-o	or-bc	bc				0.0
Clacton-on-Sea	29.84	48	SSW	4	o	30.00	+0.3	45	+1	SSW	3	o	2	0.07	49	43	c-og	agr-og	og				0.0
Nottingham	29.64	48	SW	6	bc	29.88	*	42	0	SW	1	b	*	0.13	51	40	bc-or	r-oq	bc				0.0
Bath	29.85	50	SW	6	b	29.94	*	48	+6	S	3	o	*	0.17	54	42	o-or	rq-bc	-				0.0
Oxford	29.88	48	SSW	7	bc	29.95	*	44	0	S	3	c	*	0.14	52	43	om-og	rq-bc	q-bc				*
London (Kew Obsy.)	29.86	49	SSW	4	o	29.99	-0.2	46	-1	SSW	3	o	*	0.14	52	45	bc-o	om-o	o-c-o				0.0
Isafjord	29.19	34	-	0	o	29.32	+0.2	29	-7	NE	5	S	*	*	*	*	GALES.						
Reykjavik	29.09	33	E	2	bc	29.29	0.0	31	-6	-	0	o	*	*	*	*	Duration and Extreme Force on British Coasts.						
Vestmanna	29.12	36	S	2	o	29.22	+0.1	37	+1	SE	1	c	2	*	*	*	Blacksea Point 8 a.m. - 10 p.m.						
Seydisfjord	29.19	35	-	0	o	29.28	+0.1	30	-3	-	0	b	*	*	*	*	Extreme S.W. 10						
Thorshavn	29.15	35	N	1	c	29.12	+0.5	41	+4	-	0	o	*	*	*	*	Main Head noon - 3 a.m.						
Haparanda	30.03	27	N	1	f	29.83	-0.8	3	+3	WNW	2	o	*	-	7	0	Extreme W.N.W. 10						
Hernösand	29.84	32	N	2	S	29.54	-1.2	33	+7	-	0	S	*	0.16	34	25	Valencia 8 a.m. - 6 p.m.						
Stockholm	29.81	37	-	0	o	29.55	-1.3	39	+6	SSE	2	r	*	0.04	39	34	Extreme S.W. 9						
Wisby	29.83	41	SSW	2	r	29.62	-1.1	41	+2	SSW	4	o	*	0.20	43	37	Roche's Point 7 a.m. - 4 p.m.						
Karlstad	29.76	38	-	0	f	29.41	-0.8	41	+4	SSW	4	r	*	0.20	41	37	Extreme W. 9						
Færder (X'ania Fjord)	29.69	42	S	2	m	29.30	-0.6	42	+1	SSW	6	o	4	0.28	42	41	Donaghadee 7 p.m. - 10 p.m.						
Bodö	29.63	26	E	1	b	29.45	-0.6	27	+6	E	6	b	2	-	27	19	Extreme S.W. 10						
Christiansund	29.53	39	-	0	bc	29.11	-1.0	43	+6	SE	2	c	3	0.04	43	37	Liverpool 7 p.m. - 11 p.m.						
Skudesnaes	29.44	45	SSE	8	o	29.05	0.0	45	+1	WSW	9	r	7	0.47	45	43	Extreme W.S.W. 8						
The Scaw (Skagen)	29.73	43	SSW	2	m	29.42	-0.5	44	0	SW	5	r	1	0.16	45	43	Holyhead All day						
Blaavands Huk	29.72	44	SW	3	r	29.58	-0.4	45	+1	WSW	8	m	7	0.16	45	41	Extreme S.W. 9						
Cuxhaven	29.90	45	S	4	o	29.86	+0.1	43	0	SW	6	b	*	-	46	43	Pembroke 8 a.m. - 11 p.m.						
The Helder	29.82	46	S	8	r	29.97	+0.4	46	+1	SW	6	bc	3	0.12	46	43	Extreme S. 10						
Brussels	30.03	49	WSW	4	r	30.15	+0.4	44	-1	WSW	3	bc	*	0.08	50	44	Newquay						
Berlin	30.13	41	S	1	o	30.03	-0.1	44	+9	S	2	o	*	0.04	44	35	Noon S.W. 8						
Frankfurt	30.25	40	SW	1	o	30.22	+0.3	46	+14	SW	5	o	*	-	46	32	Scilly 8 a.m. - noon						
Munich	30.39	39	W	4	c	30.36	-0.1	39	+10	SW	4	o	*	-	43	28	Extreme S. 8. Squall 9						
C. Gris Nez	29.93	50	SSW	7	o	30.08	+0.1	48	-1	SW	5	o	4	0.08	52	46	Portland 11 a.m. - 4 p.m.						
La Hève	30.09	45	SSW	5	o	30.10	*	45	-1	SSW	4	o	5	0.08	50	41	Extreme S.W. 8						
Brest (St. Mathieu)	30.12	51	WSW	5	c	29.99	-0.8	53	+2	SW	6	r	5	0.20	54	50	Dover 2 p.m. - 4 p.m.						
Lorient (Bec Melen)	30.12	51	SW	5	o	30.04	*	55	*	SW	6	o	5	-	55	48	Extreme S.W. 8						
Rochefort (Ile d' Aix)	30.30	52	SW	4	o	30.30	*	52	+2	SW	4	o	*	0.20	54	48	Wick 2 p.m. - 5 p.m.						
Biarritz	30.34	56	ESE	2	b	30.29	*	56	0	S	2	b	3	-	59	54	Extreme S. 8						
Paris	30.17	51	SW	2	r	30.22	-0.1	50	+6	SW	3	o	*	0.08	52	42	4 a.m. - 7 a.m.						
Belfort	30.41	42	W	3	o	30.39	*	43	+4	WSW	5	r	4	0.16	43	39	Extreme N.W. 10						
Lyons	30.45	43	WSW	1	o	30.46	*	39	+4	-	0	o	*	-	45	35	Aberdeen 3 p.m. Squall 48 mph						
Nice	30.35	49	-	0	bc	30.40	+1.3	47	+5	-	0	o	*	-	54	43	6 a.m. Squall 56 mph						
Perpignan	30.43	50	N	1	b	30.43	-0.1	39	-11	SW	1	c	*	-	60	37	Spurn Head 7 p.m. - 4 a.m.						
Sanguinaire																	Extreme S.W. 9						
Corunna (8 a.m.)	30.34	58	S	3	o	30.35	0.0	54	+4	S	6	o	3	-	59	50	Kew 12.30 p.m. Squall 43 mph						
Lisbon (9 a.m.)	30.48	50	ENE	1	bc	30.50	+0.2	41	-2	NE	4	b	5	-	54	41							
Gibraltar	30.46	58	E	2	c	30.45	*	57	+8	E	3	c	1	-	60	48							
Azores (p. Delgada)	30.20	58	NNE	4	o	30.22	-0.1	59	-4	S	4	bc	3	0.43	63	57							
Azores (Horta)	30.21	51	-	0	b	30.15	-0.4	60	+1	SSW	5	o	3	-	64	50							
Madeira (Funchal)	30.38	59	?	?	bc	30.41	0.0																

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 24TH DECEMBER.



GENERAL INFERENCE

WEATHER PROSPECTS.

FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

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 HOISTED AT 8 A.M. YESTERDAY.

6 {
a
b

7 {
a
b

8 {
a
b

9 {
a
b

10 {
a
b

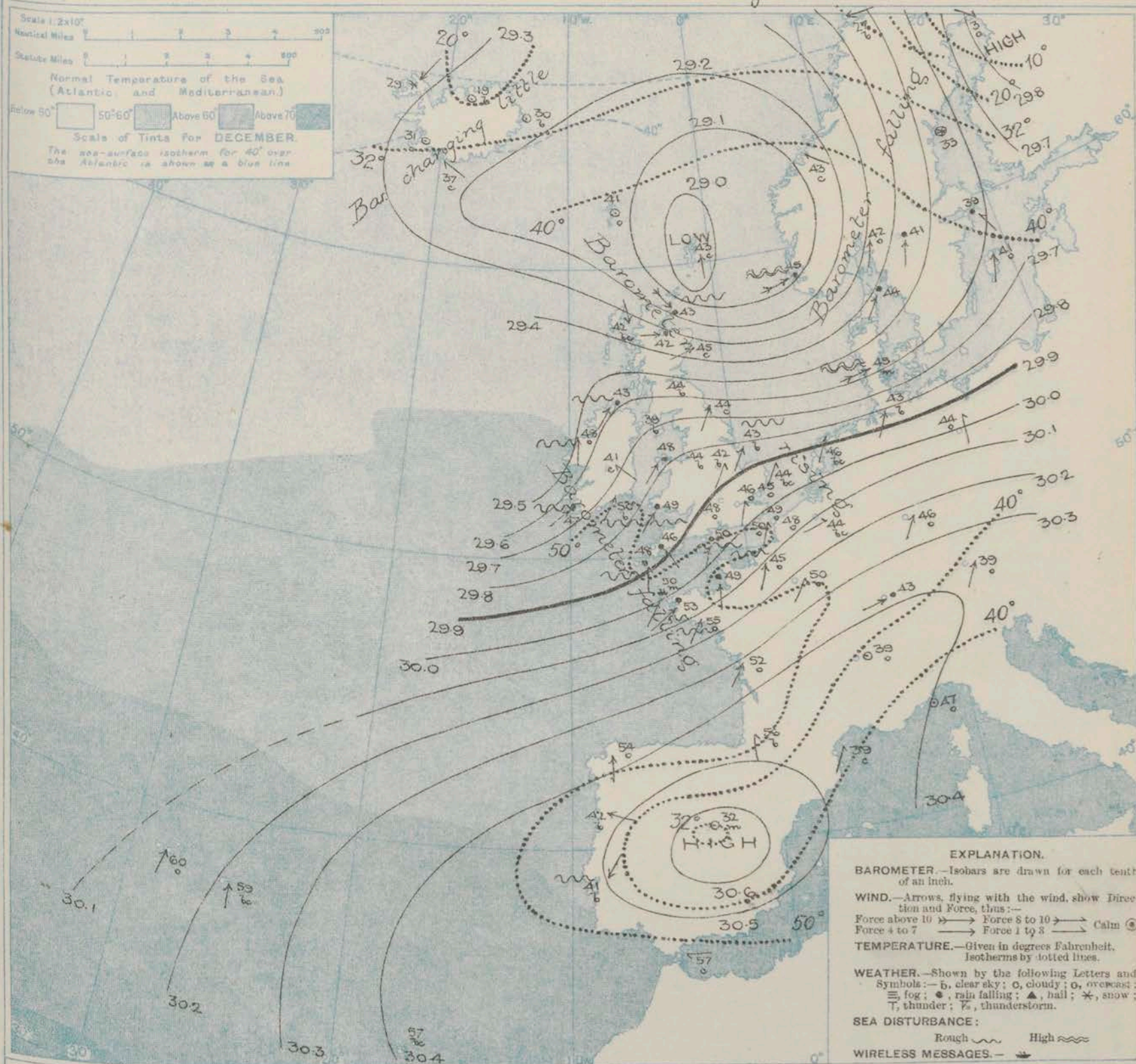
11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

None Issued

None Issued

SYNOPTIC CHART FOR 7 A.M. *Wednesday*, 25th DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

An anticyclone extends from the Azores to Southern and Central Europe, bar. 30.65 in. at Madrid. In a depression over Shetland pressure is below 29 in; another is approaching Iceland, barometer below 29.5 in in Mayo. The gradient is moderate to steep generally.

Southerly to Easterly winds prevail over nearly the whole of the region under observation, strong or high in many localities, a gale at Wick and Blackands Hook, a strong gale at Skudesnaes. Over the British Islands temperature ranges from 41° at Birr Castle to 50° at Dungannon, Portland Bill and Roche's Point; on the Continent from 32° at Madrid to 57° at Gibraltar; in Scandinavia from 3° at

Haparanda to 48° at Skudesnaes; and in Iceland from 19° to 37°. At the mouth of the Channel the temperature of the air is 50°, that of the sea water 54°. The weather generally is in a very unsettled state, rain falling at many home and foreign stations, snow at Skudesnaes and in the north-west of Iceland. A high sea is running on the Danish and southern Norwegian coasts, rough or rather rough on many parts of our own and the French coasts.

DAILY WEATHER REPORT.

Wednesday, 25th Dec., 1912.

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.	
24th 6 p.m.	46-0	7-25	H.M.S.	H	30.29	?	NW	4	0	24th 7 a.m.	49	27	Campania	O	29.46	+0.9	W	8-9	bc
					Dry Bulb 57° wet Bulb 57° Sea Temp 55°						49	18	Kronland	O	29.41	+2.7	WSW	10-11	bc
					Sea Disturbance 4.						50	15	Arabic	H	28.92	-0.5	SW	10-11	0
	49	20	Kronland	O	29.71	-0.7	SW	6-7	bc										
	51	13	Arabic	H	29.74	+1.0	SW	6-7	bc										
noon	44-18	8-20	H.M.S.	H	30.31	?	SW	7	0										
					Dry Bulb 58° wet Bulb 57° Sea Temp 57°														
					Sea Disturbance 5.														

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	0.02	48	40	c. or	or	0.2	England, S.E.	Ramsgate	0.02	51	45	*	*	0.0
	Stonehaven	...	...	...	...	...	...		Margate	...	51	44	bc. c	c. r	0.0
	St. Andrews	...	...	...	...	...	...		Deal	0.14	51	45	c. bc	rq. o	0.0
	Carnoustie	...	...	...	...	...	...		Littlestone	...	...	...	...	...	0.0
England, N.W.	Harrogate	0.14	47	40	0	flv. c. q.	0.0	England, S.W.	Folkestone	0.11	51	46	r	r. or	0.0
	Scarborough	...	...	...	...	...	...		Hastings	0.16	51	47	sp. c. o	or. o	0.0
	Blackpool	0.21	51	39	or	c. q.	0.0		Bexhill-on-Sea	0.17	51	48	o. r	r. b	0.0
	Southport	0.21	50	38	o. bc. r	org. bc	0.1		Eastbourne	0.13	52	49	bc. o	or. o	0.1
Wales.	Buxton	0.23	47	38	c. r. o	c	0.0	England, S.W.	Seaford	0.20	51	48	o	r. c	0.0
	Douglas	...	...	...	...	...	...		Brighton	0.25	51	48	o	or. o	0.0
	Rhyl	0.18	...	...	...	...	0.0		Worthing	0.18	51	46	or	or	0.0
	Colwyn Bay	0.22	55	45	...	...	0.0		Littlehampton	...	...	...	...	...	0.0
England, E.	Llandudno	0.24	55	39	c. r	r. o	0.0	England, S.W.	Southsea	0.26	53	46	o. or	or. o	0.0
	Bettws y-Coed	...	...	...	...	...	0.0		Bournemouth	0.30	53	46	or	o	0.0
	Aberystwyth	0.20	52	38	r. o. c	o. c. o	0.0		Weymouth	0.26	53	47	or	c. bc	0.0
	Walton-on-the-Naze	0.07	49	45	o. bc. q.	org.	0.0		Teignmouth	0.18	55	46	org.	c	0.0
England, E.	Lowestoft	...	...	...	...	...	0.0	England, S.W.	Torquay	0.19	53	46	or	bc	0.0
	Felixstowe	0.09	50	43	m. or.	m. or.	0.0		Paignton	0.17	54	45	or. o	o. bc	0.0
	Southend-on-Sea	0.08	51	44	o	o. r	0.0		Weston-super-Mare	...	...	...	...	...	0.0
									Ilfracombe	0.13	54	46	or	c. bc. o	0.0

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rain-fall.	WEATHER.			Sunshine for Yesterday.	Hr.	STATIONS.		Rain-fall.	TEMPERATURE.		WEATHER.			Sunshine for Yesterday.	Hr.
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.	Min. on Grass.		Forenoon.	Afternoon.	Night.						In Screen.	Min. on Grass.	Night.	Forenoon.	Afternoon.		
	24 HOURS ENDED 9 A.M. TO-DAY.	24 HOURS ENDED 9 A.M. TO-DAY.	Max.	Min.		Forenoon.	Afternoon.	Night.						Max.	Min.	Night.	Forenoon.	Afternoon.		
Greenwich (Royal Obsy.)	94	92	52	45	40	0.12	0	0. r	0.0	0.0	Dublin to 4 p.m.	0.19	52	43	39	bg	rgu	2.0	0.0	0.0
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	0.0	Plymouth to 9 p.m.	0.18	47	38	34	bc	orn	on	0.0	0.0
Westminster (St. James's Pk.)	*	*	*	*	*	*	*	*	0.0	0.0	Darwen	*	*	*	*	*	*	*	0.0	0.0
Camden Sq. (Brit. Rainfall)	*	*	*	*	*	*	*	*	0.0	0.0	Manchester	*	*	*	*	*	*	*	0.0	0.0
Hampstead (Reservoir)	*	*	*	*	*	*	*	*	0.0	0.0	Birmingham	*	*	*	*	*	*	*	0.0	0.0
South Kensington	*	*	52	45	40	0.27	0	0	0.0	0.0										
" (Roof of M.O.)	92	89	52	46	*	*	*	*	0.0	0.0										

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

25 & 26 Dec., 1912.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth	8.6	11.53	3.41
	8.6	11.54	3.42
Greenwich	8.7	12.0	3.53
	8.7	12.1	3.54
Wick	9.5	12.12	3.19
	9.5	12.13	3.20
Valencia	8.51	12.41	4.32
	8.51	12.42	4.33

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature passed 50° over a great part of England and Ireland; and touched 55° at Colwyn Bay, Llandudno, Scilly and Teignmouth. Many of the night minima were as high as 45° to 49°. Rain fell everywhere, more than ½ in at Wick. Only Southport, Seaford and Deal had a few minutes of sunshine. A southerly to easterly gale occurred in nearly all parts of the kingdom, a strong or whole gale in many localities, a storm at Nottingham.

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.

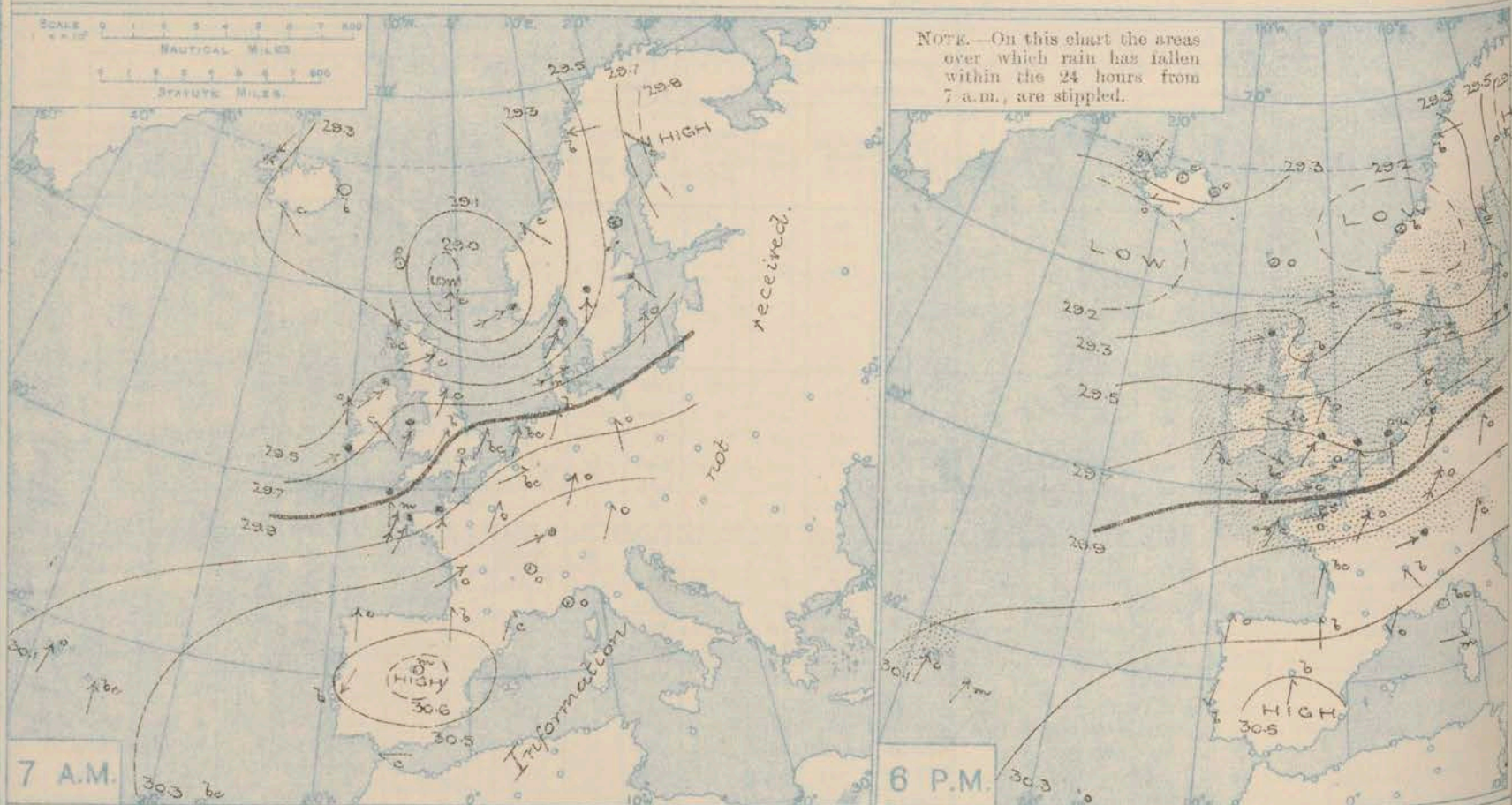
The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Thursday
26 December 1912.

STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
	Barom.	Temp.	Wind.	Force	Weather.	Baromet.	Temp.	Wind.	Force	Weather.	Sea	Rain- fall.	Temp.	Weather									
														Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 5 p.m.	Night. 5 p.m. to 7 a.m.					
	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).									Hours.			
Lerwick	29.22	43	WSW	2	c	29.27	+0.2	41	-2	W	3	b	3	0.13	45	40	org	c	bc. b	*			
Stornoway	29.35	40	WSW	2	cdpm	29.41	-0.6	34	-8	SW	2	bc	2	0.07	42	32	c-0.3p	cdpm	cdpm	0.0			
Castlebay (Barra Isd.)																							
Malin Head	29.46	41	W	8	cgp	29.23	-1.2	41	-2	S	3	cm	4	0.06	44	37	gcpm	gcpm	om	*			
Blacksod Point																							
Valencia	29.74	45	SW	3	bc	28.75	-1.2	46	-1	SE	3	o	5	0.40	49	43	bcgp	bc	omr	1.9			
Roche's Point	29.80	43	WSW	3	b	28.80	*	48	-2	SSW	5	r	7	0.45	50	42	or.c	bc. b	b-p or	*			
Birr Castle	29.70	40	SW	2	bc	28.92	*	41	0	SW	2	c	3	0.43	46	36	cp. bc	bc	cp	0.0			
Donaghadee	29.54	42	WSW	4	cq	29.29	-2.2	45	+6	SSE	5	c	3	Trace	46	36	cgp	cgp	bc. cgp	*			
Liverpool Obsy.	29.67	44	WSW	5	b	29.37	-1.8	40	-4	ESE	5	o	3	0.05	49	39	og	op	og	0.0			
Holyhead	29.70	45	W	5	bc	29.21	*	44	-4	ESE	5	c	4	0.18	52	42	om	op	bc	*			
Pembroke (St. Ann's Hd.)	29.78	47	WNW	4	bc	29.12	-1.6	47	-2	S	7	c	7	0.42	54	42	agp	cgp	qr. lq	0.0			
Newquay	29.87	48	WSW	4	b	29.23	-2.0	47	+1	SW	7	o	6	0.43	50	41	or. o	cp	cgp. lq	0.0			
Scilly (St. Mary's)	29.88	49	WNW	5	bcgp	29.18	-2.0	50		WSW	9	ofmg	8	0.24	52	44	om	bcgp	omcp	0.0			
Jersey (St. Aubin)	29.97	51	WSW	5	ogm	29.64	*	45	-4	WSW	7	org	6	0.50	55	44	orgm	orgm	op. lq	*			
Portland Bill	29.83	51	WSW	6	c	29.43	-3.3	47	-3	SSW	8	r	6	0.47	53	47	or	o. cp	bc. r	*			
Dungeness	29.75	51	SW	8	org	29.68	-1.4	48	-2	SSW	6	o	5	0.28	52	44	or	r. o	cp. o	*			
Dover	29.82	50	W	6	o	29.66	*	46	-3	SSE	5	o	6	0.30	52	40	or	or	o. bc. o	0.0			
Wick	29.32	37	-	0	r	29.45	-0.0	35	-8	SSW	3	bc	3	0.16	43	34	om. bc	bc. omr	cpm. bc	*			
Nairn	29.26	39	-	0	o	29.45	*	31	-11	-	0	b	1	0.13	43	30	rg	p. o	d. bc	0.5			
Aberdeen	29.29	43	SSW	4	b	29.48	-0.4	34	-11	SW	1	b	2	-	46	33	c. bc. bc	cp. b	b. bc. b	2.4			
Leith	29.44	43	WSW	5	r	29.45	-1.0	38	-6	ESE	1	c	*	0.05	47	37	bcgp	bc. cgp	bcgp. b	*			
North Shields	29.54	45	SW	3	o	29.52	-0.9	38	-6	SW	2	c	2	Trace	48	36	-	c. p. o	o. c	*			
Spurn Head	29.63	45	SW	5	r	29.59	-0.6	40	-3	SSE	5	c	5	0.08	45	38	o	or	bc	*			
Yarmouth	29.65	44	S	2	r	29.70	-1.0	39	-5	S	3	bc	3	0.27	47	39	or	or	or. bc	0.0			
Clacton-on-Sea	29.68	49	W	4	or	29.67	-1.6	45	0	SE	4	o	3	0.30	50	41	org	org	og	0.0			
Nottingham	29.70	43	WSW	5	r	29.49	*	41	-1	SE	4	o	*	0.21	47	36	bc. or	or.	o. c. b	0.0			
Bath	29.79	48	SW	3	r	29.34	*	47	-1	S	7	r	*	0.34	50	37	-	-	-	0.0			
Oxford	29.86	43	SSW	4	b	29.37	*	46	+2	SSE	7	rg	*	0.35	48	38	om. or	or. om	om. or	*			
London (Kew Obsy.)	29.79	48	WSW	3	o	29.55	-2.5	46	0	SE	4	o	*	0.30	52	39	or	or	or. bc. o	0.0			
Isafjord	29.33	30	NE	3	o	29.28	-0.3	29	0	NE	3	c	*	*	*	*	GALES.						
Reykjavik	29.20	31	E	3	o	29.15	-0.0	32	+1	-	0	b	*	*	*	*	Duration and Extreme Force on British Coasts.						
Vestmanna	29.20	36	E	1	bc	29.15	-0.2	36	-1	E	6	b	2	*	*	*							
Seydisfjord	29.32	33	-	0	o	29.19	-0.8	33	+3	-	0	s	*	*	*	*							
Thorshavn	29.21	35	-	0	o	29.28	+0.1	39	-2	WSW	2	r	*	*	*	*							
Haparanda	29.63	44	SE	4	o	29.34	-0.2	15	+12	-	0	o	*	15	3	Malin Head noon-8pm. Extreme W. 9							
Hernösand	29.31	35	N	2	f	29.25	-0.1	33	0	N	3	r	*	0.43	39	30	Roche's Point 2am-6am. Extreme S.S.W. 9						
Stockholm	29.32	39	SSW	2	o	29.21	-0.2	39	0	SW	4	o	*	0.12	41	37	Pembroke 4am-6am. Extreme S.E. 10						
Wisby	29.43	42	WSW	6	r	29.32	-0.4	39	-2	SW	2	bc	*	0.04	43	37	Portland 4am-7am. Extreme S.S.W. 8						
Karlstad													*	*	*	*	Dungeness 2pm-7pm. Extreme S.W. 8						
Færder (X'tania Fjord)	29.26	43	SW	7	b	29.26	-0.0	41	-1	W	6	c	4	-	43	41	Dover 2pm-5pm. Extreme W. 8						
Bodö	29.28	27	E	2	b	29.22	+0.3	28	+1	E	4	o	2	-	28	27	Wick 7am-9am. Extreme N.W. 8						
Christiansund	29.12	37	-	0	b	29.23	+0.3	41	-2	SW	1	o	2	0.04	43	36	Scilly 2am-7am. Extreme W.S.W. 9						
Skudesnaes	29.34	45	W	6	o	29.38	+0.3	41	-4	-	0	o	4	0.20	45	39	do. Squalls W.S.W. 10. do. gust. 65 mph (11)						
The Scaw (Skagen)	29.45	44	W	9	m	29.36	-0.0	42	-2	W	4	r	1	0.12	45	41							
Blaavands Huk	29.64	44	SW	4	o	29.55	+0.1	44	-1	W	7	o	4	0.20	45	41							
Cuxhaven	29.73	43	SW	4	r	29.73	+0.7	42	-1	W	5	o	*	0.47	48	41							
The Helder	29.56	48	S	8	r	29.82	+0.1	44		SW	3	bc	2	0.59	48	43							
Brussels													*	*	*	*							
Berlin	29.95	45	SW	1	o	29.81	+0.8	45	+1	SW	6	bc	*	0.16	50	41							
Frankfurt	29.99	51	SW	8	o	30.01	-0.4	46	0	SW	2	o	*	-	51	39							
Munich	30.24	39	SW	2	c	30.13	-0.2	46	+7	SW	4	c	*	0.04	46	37							
C. Gris Nez	29.80	50	WSW	7	r	29.76	-1.2	45	-3	SSE	4	o	4	0.28	52	43							
La Hève	29.98	44	SW	6	r	29.70	*	43	-2	SE	6	r	5	0.24	50	39							
Brest (St. Mathieu)	30.05	51	SW	4	c	29.58	-0.0	51	-2	SW	7	bc	7	0.75	54	48							
Lorient (Bec Melen)	30.04	54	SW	4	o	29.65	*	48	-7	SW	6	o	7	0.43	55	43							
Rochefort (Ile d' Aix)	30.22	52	SSW	3	bc	29.95	*	50	-2	SSW	4	o	*	-	54	48							
Biarritz	30.25	57	S	1	b	30.09	*	57	+1	S	4	b	5	-	63	52							
Paris	30.05	53	SW	5	o	29.93	-1.2	46	-4	S	3	o	*	0.08	55	43							
Belfort	?	43	WSW	4	r	30.15	*	45	+2	W	4	c	*	0.12	45	41							
Lyons	30.32	47	S	1	c	30.19	*	40	+1	-	0	b	*	-	53	36							
Nice	30.38	46	-	0	bc	30.29	-0.4	42	-5	-	0	b	2	-	55	41							
Perpignan	30.34	49	NE	1	o	30.26	-0.5	45	+6	SW	1	o	*	-	58	29							
Sanguinaire	30.37	52	W	2	m	30.29	*	52		ESE	3	m	2	-	57	45							
Corunna (S. a. m.)	30.26	59	SSW	3	o	30.13	+0.4	57	+3	SSW	6	o	3	?	59	52							
Lisbon (S. a. m.)	30.40	50	NNE	2	b	30.39	+0.1	41	0	NE	4	b	5	-	55	41							
Gibraltar	30.42	57	E	3	c	30.39	*	51	-6	E	1	bc	?	-	59	?							
Azores (P. Delgada)	30.21	61	SW	4	m	30.10	-0.3	62	+3	SW	6	o	5	-	63	57							
Azores (Horta)	30.13	63	SSW	4	o	29.95	-0.5	63	+3	SSW	5	o	4	0.04	64	60							
Madeira (Funchal)	30.38	58	?	?	o	30.35	-0.3	55	-2	?	?	c	?	-	64	45							

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 25TH DECEMBER.



GENERAL INFERENCE

WEATHER PROSPECTS.

The distribution of pressure remains of a stormy type, and very unsettled

weather is expected to hold for the present.

FORECASTS FOR THE 24 HOURS NOON THURSDAY

TO NOON FRIDAY

- 0 { a }
b
- 1 Wind between S.E., S. and S.W., strong to a gale at times
- 2 { a } in many places; line squalls
b
- 3 with local thunder, rain.
- 4 { a } some fair intervals later;
b
- 5 temperature lower, but still above the normal.



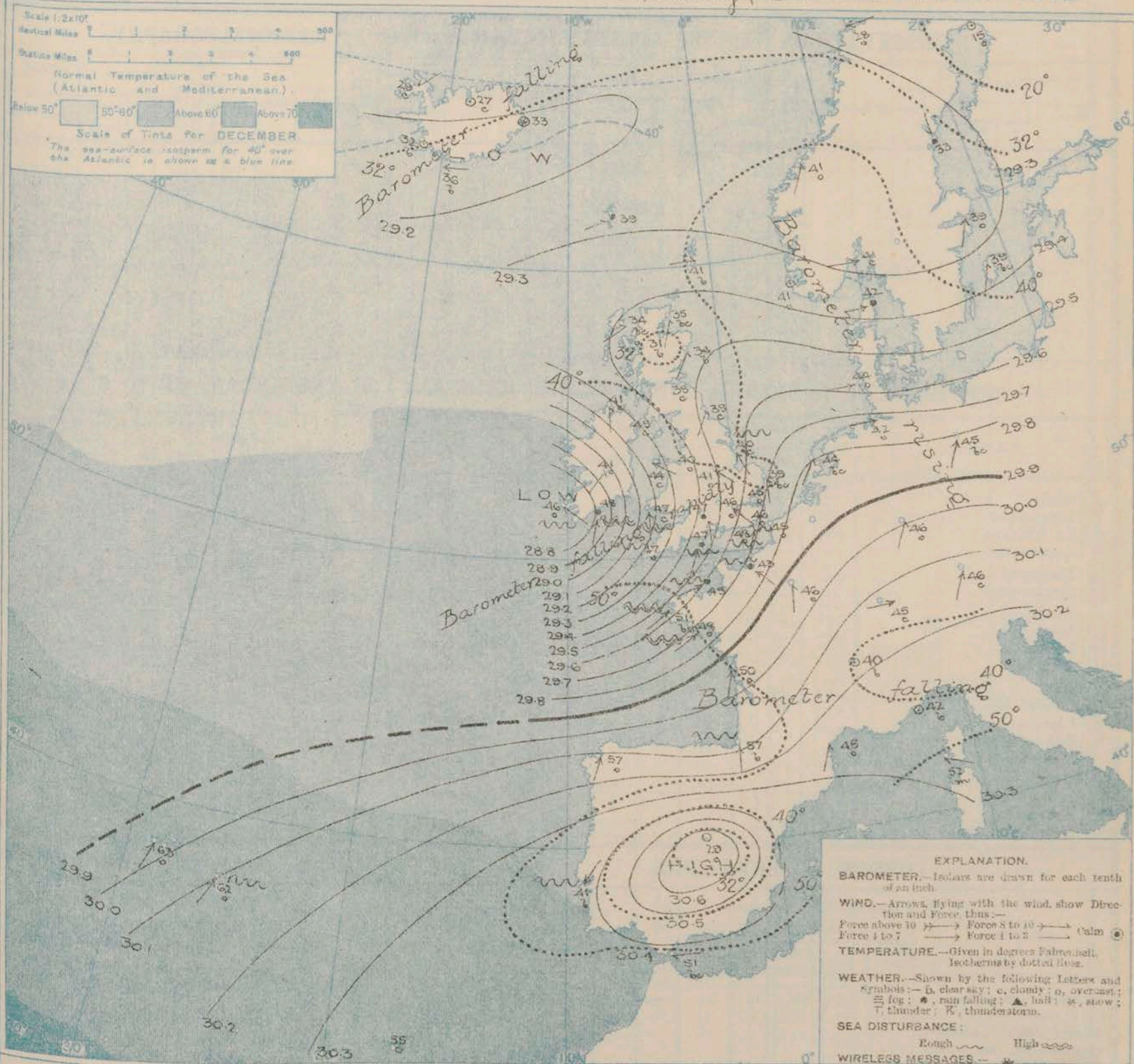
- 6 { a }
b
- 7 { a }
b
- 8 { a } Same as Nos 0 to 5
b
- 9 { a }
b
- 10 { a }
b

THE FURTHER OUTLOOK. (all districts)

Conditions remaining unsettled generally

11 WESTERN CHANNEL AND BAY. S. to S.W. strong winds and gales, moderating later; rough sea, high swell; line squalls and local thunder, rainy to fair; mild.

SYNOPTIC CHART FOR 7 A.M. Thursday, 26th DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is now highest over Spain, barometer above 30.6 in. at Madrid. A very deep depression has reached the south of Ireland, barometer 28.4 in. at Valencia. In a depression over Southern Iceland pressure is below 29.2 in. The gradient is very steep over the British Isles, moderate in other regions.

The winds vary greatly in force and direction, mainly S.E. to S.W. over the British Isles, S.W. to W. at the Continental stations. In many places calms and light breezes are reported, in others fresh or strong winds, a high wind at several

places in Southern England and Brittany, also in Denmark, a gale at Portland Bill. At the home stations temperature ranges from 31° at Tlarn to 48° at Dungeness and Roches Point; on the Continent from 29° at Madrid to 57° at Biarritz and Cornua; in Norway from 28° to 41°, and in Iceland from 27° to 36°. The weather is fine and clear over Southern France, and locally in Scotland and Ireland, but generally it is very cloudy to dull and gloomy, rain falling at many of our own southern stations, at Skagen and in the Faeroe, snow in the east of Iceland. A rough to high sea is running along the southern coasts of England and Ireland.

DAILY WEATHER REPORT.

Edinburgh, 26th December, 1912.

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.	
25th 6 p.m.	49 30	3 30	H.M.S.	H	29.99	?	W	6	6										
					Dry bulb 52° Wet bulb 52° Sea Temp 52° Sea disturbance 4.														
" 8 a.m.	48 30	5 30	H.M.S.	H	29.90	?	SSW	7	m										
					Dry bulb 50° Wet bulb 45° Sea Temp 54° Sea disturbance 5.														

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.							Ramsgate ...	0.10	51	43			0.0	0.0
Stonehaven ...								Margate ...	0.06	54	43			0.0	0.0
St. Andrews ...	0.23	46	41			0.8		Deal ...	0.26	53	45	0.0	0.0	0.0	0.0
Carnoustie ...								Littlestone ...						0.0	0.0
England, N.E.								Folkestone ...	0.24	52	42	r	r.0	0.0	0.0
Harrogate ...	0.05	45	40	c.0	0.0	0.0		Hastings ...	0.32	52	45	bc.0.0	0.0	0.0	0.0
Scarborough ...		47	42	0.0	0.0	0.0		Bexhill-on-Sea ...	0.28	52	47	r	r.0	0.0	0.0
England, N.W.								Eastbourne ...	0.32	52	45	0.0	0.0	0.0	0.0
Blackpool ...	0.08	47	40	bc.0	r.0.0	0.0		Seaford ...	0.33	52	46	r	r.0	0.0	0.0
Southport ...	0.07	47	42	0	0.0	0.0		Brighton ...	0.29	52	47	0.0	0.0	0.0	0.0
Buxton ...	(9 p.m.) 0.23	43	38	c.0.0	c.0.0	0.0		Worthing ...	0.32	52	47	0.0	0.0	0.0	0.0
Douglas ...								Littlehampton ...						0.0	0.0
Wales.								Southsea ...	0.36	53	46	0.0	0.0	0.0	0.0
Rhyl ...	0.09	49	43			0.0		Bournemouth ...	0.15	53	46	0.0	0.0	0.0	0.0
Colwyn Bay ...	0.27	50	43	bc.0	p.0.0	0.0		Weymouth ...	0.22	53	47	0.0	0.0	0.0	0.0
Llandudno ...	0.08	50	43	0	0	0.0		Teignmouth ...						0.0	0.0
Bettws y-Coed ...								Torquay ...	0.14	52	47	r.0	0	0.0	0.0
Aberystwyth ...	0.20	50	47	d.0.0	c.0.0	0.0		Paignton ...						0.0	0.0
England, E.								Weston-super-Mare ...	0.25	49	45	r.0.0	r	0.0	0.0
Walton-on-the-Naze ...	0.30	51	44	r	r.0	0.0		Ilfracombe ...	0.16	50	46	r	r	0.0	0.0
Lowestoft ...															
Felixstowe ...															
Southend-on-Sea ...	0.31	51	45	0	r	0.0									

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.				Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.		WEATHER.			Sun- shine
	3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.	Fore- noon.		After- noon.	Night.	In Screen.				Min. on Grass.	Night.	Fore- noon.	After- noon.		
			Max.	Min.			Max.											Min.	
					24 HOURS ENDED 9 A.M. TO-DAY.														
Greenwich (Royal Obsy.) ...	%	%	53	33	31	0.44	0.0	0.0	bc.0.0	Hr.	Dublin to 4 p.m.	In.							
City (Bunhill Row) ...	94	94	*	*	*	*	*	*	*	0.0	Plymouth to 9 p.m.								
Westminster (St. James's Pk.)										0.0	Darwen "								
Camden Sq. (Brit. Rainfall)											Manchester "								
Hampstead (Reservoir) ...	*	*									Birmingham "								
24 HOURS ENDED 6 P.M. YESTERDAY.																			
South Kensington ...	*	*	52	46	40	0.33	bc.0	0.0	0.0	*									
" " (Roof of M.O.)	?	91	53	46	*	*				0.0									

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

26th Dec. 1912.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.6	11.54	3.42
	8.6	11.54	3.43
Greenwich ...	8.7	12.1	3.54
	8.8	12.1	3.55
Wick ...	9.5	12.13	3.20
	9.5	12.13	3.21
Valencia ...	8.51	12.42	4.33
	8.51	12.42	4.34

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature exceeded 50° over a great part of England, and touched 55° at Jersey. In the night it fell to 32° at Stromway, and 30° at Hain. Rain fell generally, up to ½ inch at Jersey and Portland Bill. A thunderstorm occurred early this morning in the southwest of England. Nearly every station reports no bright sunshine. A W. to S. gale has been felt on various parts of our coasts.

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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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

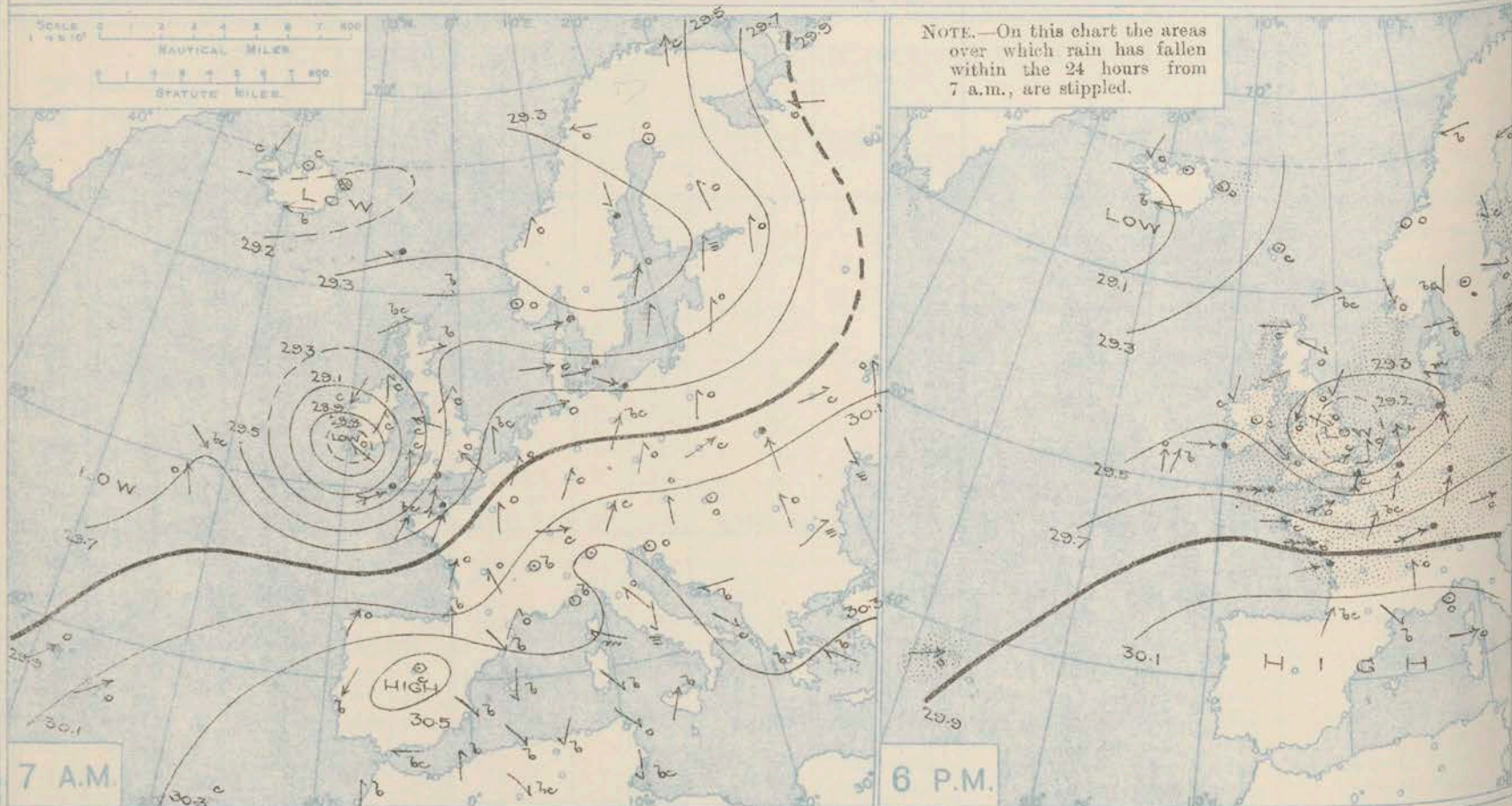
Friday,
27th December, 1912.

27th December, 1912.																						
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 Yesterday.	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.
HOURS.																						
Lerwick		29.41	40	WSW	1	bc	29.52	+0.1	40	-1	SSW	1	b	0	-	43	38	bc	bc	bc	0	
Stornoway		29.41	36	W	2	c	29.52	+0.1	41	+7	SW	4	c	4	0.01	42	33	oc	oc	c	0.0	
Castlebay (Barra Isd.)		29.41	41	ENE	1	bm	29.44	-0.6	37	-4	S	4	mq	2	Trace	45	35	mq	bc	eqm	*	
Malin Head		29.46	45	NNE	2	c	29.36	-1.4	42	-2	SSW	5	o	4	-	47	40	cm	cm	om	+	
Blacksod Point		29.55	47	W	4	bcp	29.33	-1.0	51	+5	SSE	5	r	5	0.24	52	44	eqp	bcp	omr	0.8	
Valencia		29.55	46	NW	5	c	29.46	*	49	+1	SSE	4	o	5	0.33	49	42	cpug	cpug	c. omr	*	
Roche's Point		29.47	41	-	0	c	29.44	*	43	+2	SE	4	o	*	0.05	43	35	c	c	c. or	0.0	
Birr Castle		29.34	44	NE	6	c	29.60	-0.2	40	-5	SSW	2	c	2	Trace	46	33	or	c. bc	bm. cm	*	
Donaghadee		29.25	44	W	4	o	29.67	+0.1	40	0	S	2	c	1	0.23	45	40	or	bc	bc	0.5	
Liverpool Obsy.		29.28	46	NE	6	o	29.64	-0.1	44	0	SE	2	o	1	0.08	46	41	ap	og	om	*	
Holyhead		29.42	46	NW	7	o	29.59	-0.4	47	0	SSE	4	rg	6	0.41	54	41	eqm	eqp	agpp	0.3	
Pembroke (St. Ann's Hd.)		29.51	50	W	8	og	29.62	-0.2	49	+2	SE	2	r	4	0.42	50	45	ogp	ogp	or	0.0	
Newquay		29.56	50	W	8	opmg	29.79	*	52	+7	SW	3	omr	3	0.26	56	41	or. bc	?	ag. omr	0.1	
Scilly (St. Mary's)		29.54	50	WSW	8	o	29.79	*	52	+7	SW	3	omr	3	0.26	56	41	or. bc	?	ag. omr	0.1	
Jersey (St. Aubin)		29.16	50	SSW	10	eq	29.75	+0.2	44	-4	W	3	c	3	0.47	50	43	rg. c	rg. c	rg. o. c	*	
Portland Bill		29.20	48	W	8	o	29.77	*	41	-5	W	2	c	4	0.30	48	40	r. og.	rog.	a. bc. c	0.0	
Dungeness		29.42	41	S	3	c	29.58	+0.1	38	+3	-	0	bc	3	-	42	31	bc. c	cm	bc	*	
Wick		29.42	31	-	0	m	29.57	*	28	-3	-	0	c	1	-	34	27	cy	cm	cy	0.0	
Nairn		29.42	35	WNW	3	o	29.63	+0.1	31	-3	-	0	o	2	-	36	31	b. og	cy. o	a. bc. o	0.0	
Aberdeen		29.39	44	NNE	1	c	29.63	+0.2	35	-3	SE	1	bz	*	-	44	34	c	cy	c	*	
Leith		29.24	44	NE	3	o	29.68	+0.2	38	0	-	0	c	2	0.31	44	36	o. r	r. o	a. c	?	
North Shields		29.14	44	-	0	o	29.68	+0.2	41	+1	SSE	2	c	4	0.21	45	40	org. c	og.	a. c	*	
Spurn Head		29.11	45	S	3	o	29.70	+1.0	41	+2	W	2	o	2	0.39	46	38	d. c. bc	bc. or	or. o	0.7	
Yarmouth		29.18	46	S	5	o	29.73	+0.5	41	-4	W	2	o	2	0.25	49	41	org. oc	c. or. o	og	0.2	
Clacton-on-Sea		29.17	45	WNW	3	o	29.69	*	41	0	W	1	o	*	0.15	46	40	or. cp	od	o. c	0.0	
Nottingham		29.32	48	SW	5	o	29.73	*	40	-7	-	0	o	*	0.25	50	38	-	-	-	0.0	
Bath		29.41	46	WNW	4	b	29.74	*	41	-5	S	1	c	*	0.23	48	41	org. c	org. bc	bc	*	
Oxford		29.19	49	WSW	6	eq	29.75	+0.5	41	-5	SW	1	o	*	0.49	49	40	org. c	or. eq.	eq. bc. o	0.0	
London (Kew Obsy.)		29.23	28	NE	2	o	29.21	+0.1	33	+4	E	5	o	*	*	*	*	*	*	*		
Isafjord		29.08	30	E	3	b	29.04	0.0	33	+1	E	3	b	*	*	*	*	*	*	*		
Reykjavik		29.08	37	E	5	b	29.09	+0.3	37	+1	W	5	bc	2	*	*	*	*	*	*		
Vestmanna		29.23	31	-	0	o	29.09	?	34	+1	E	4	r	*	*	*	*	*	*	*		
Seydisfjord		29.32	36	-	0	c	29.34	+0.1	41	+2	SSW	4	o	*	*	*	*	*	*	*		
Thorshavn		29.44	12	E	4	o	29.60	+0.2	14	-1	S	4	o	*	-	16	10	Newquay. g.m. - evening.				
Haparanda		29.41	29	N	2	c	29.64	+0.7	25	-8	-	0	o	*	0.04	34	25	Extreme W. g.				
Hernösand		29.31	36	WNW	2	o	29.51	+0.5	34	-5	NW	2	o	*	-	29	34					
Stockholm		29.36	40	WSW	4	o	29.50	+0.5	37	-2	N	4	o	*	Trace	41	36	Jersey. 2 p.m. - 6 p.m.				
Wisby		29.39	34	-	0	o	29.58	+0.8	35	-1	-	0	f	*	-	36	32	Extreme W. S. W. g.				
Karlstad		29.35	38	NNE	2	bc	29.58	+0.7	30	-11	NNE	1	o	3	-	41	27					
Færder (X'ania Fjord)		29.43	23	E	2	b	29.63	+0.8	23	-5	E	2	b	2	-	30	19	Dungeness. g.m. - 8 p.m.				
Bodö		29.43	37	-	0	o	29.55	+0.4	38	-3	-	0	c	2	-	41	37	Extreme S. S. W. 11				
Christiansund		29.42	39	NNW	2	o	29.60	+0.4	38	-3	-	0	o	2	0.28	43	36					
Skudesnaes		29.38	37	W	2	b	29.56	+0.8	38	-4	E	1	o	0	-	45	36	Dover. noon - 4 p.m.				
The Scaw (Skagen)		29.37	38	ESE	2	m	29.62	+1.0	37	-7	NNW	1	f	1	-	45	34	Extreme S. W. 10				
Blaavands Huk		29.28	43	S	5	r	29.55	+1.4	41	-1	N	4	o	*	0.28	43	39	Spurn Head.				
Cuxhaven		29.23	43	S	7	r	29.66	+1.0	44	0	WNW	1	c	1	0.16	48	39	Extreme S. S. E. 8 at 12.				
The Helder		29.34	46	SSW	8	r	29.79	+0.8	44	0	WSW	1	o	*	0.43	47	43					
Brussels		29.61	46	SW	4	r	29.74	+1.2	46	0	SW	4	o	*	0.20	52	45	Kew. 49 m. p.h. at 12.35 p.				
Berlin		29.76	46	W	4	o	29.86	+0.2	44	-2	SW	7	c	*	0.04	52	41					
Frankfurt		29.19	50	S	8	bc	29.77	+0.6	46	+1	W	4	c	4	0.35	50	45					
Munich		29.45	44	W	9	o	29.78	*	42	-1	SW	4	r	6	0.28	48	37					
C. Gris Nez		29.78	51	W	7	c	29.65	-0.1	53	+2	S	5	b	7	0.16	53	48					
La Hève		29.80	52	W	8	o	29.83	*	55	+7	SW	6	r	7	0.08	54	48					
Brest (St. Mathieu)		30.01	52	WSW	7	r	30.05	*	55	+5	WSW	6	o	*	0.24	55	50					
Lorient (Bec Melen)		30.16	58	SW	4	b	30.15	*	57	0	S	2	c	7	-	61	54					
Rochefort (Ile d' Aix)		29.64	48	WSW	5	b	29.90	+0.2	46	0	W	2	o	*	0.28	50	45					
Biarritz		29.84	46	WSW	8	r	30.00	*	45	0	W	7	o	*	0.12	54	44					
Paris		30.07	49	S	3	o	30.14	*	45	+5	S	2	r	*	0.16	50	40					
Belfort		30.15	47	-	0	o	29.91	+0.1	48	+6	-	0	bc	4	-	54	41					
Lyons		30.21	44	NW	2	b	30.19	-0.1	47	+2	SW	1	c	*	-	51	39					
Nice		30.22	51	W	4	o	30.10	*	55	+3	W	4	m	4	-	57	45					
Perpignan		30.36	50	E	1	bcw	30.34	*	51	0	E	1	ow	1	-	63	48					
Sanguinaire		29.51	63	SW	5	o	29.86	+0.1	59	-4	WZW	5	o	4	0.08	64	55					
Corunna (8 a.m.)																						
Lisbon (9 a.m.)																						
Gibraltar																						
Azores (P. Delgada)																						
Azores (Horta)																						
Madeira (Punchal)																						

* 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 DECEMBER.



GENERAL INFERENCE

WEATHER PROSPECTS.

Another cyclonic system is nearing of weather is likely to be maintained for the Irish coast, so that the unsettled type the present.

FORECASTS FOR THE 24 HOURS NOON FRIDAY

TO NOON SATURDAY

- 0 {
a
b
- 1 Calms and light variable
W. breezes, backing S. and
- 2 {
a
b increasing, strong to a gale
in places later; fair to
- 3 dull, some rain, sleet locally;
- 4 {
a
b 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.

Cones hoisted yesterday.

- 6 {
a
b
- 7 {
a
b Increasing winds between
S.E. and S.W., strong to a
gale in places; squally.
- 8 {
a
b dull to rainy; temperature
- 9 {
a
b rising.
- 10 {
a
b

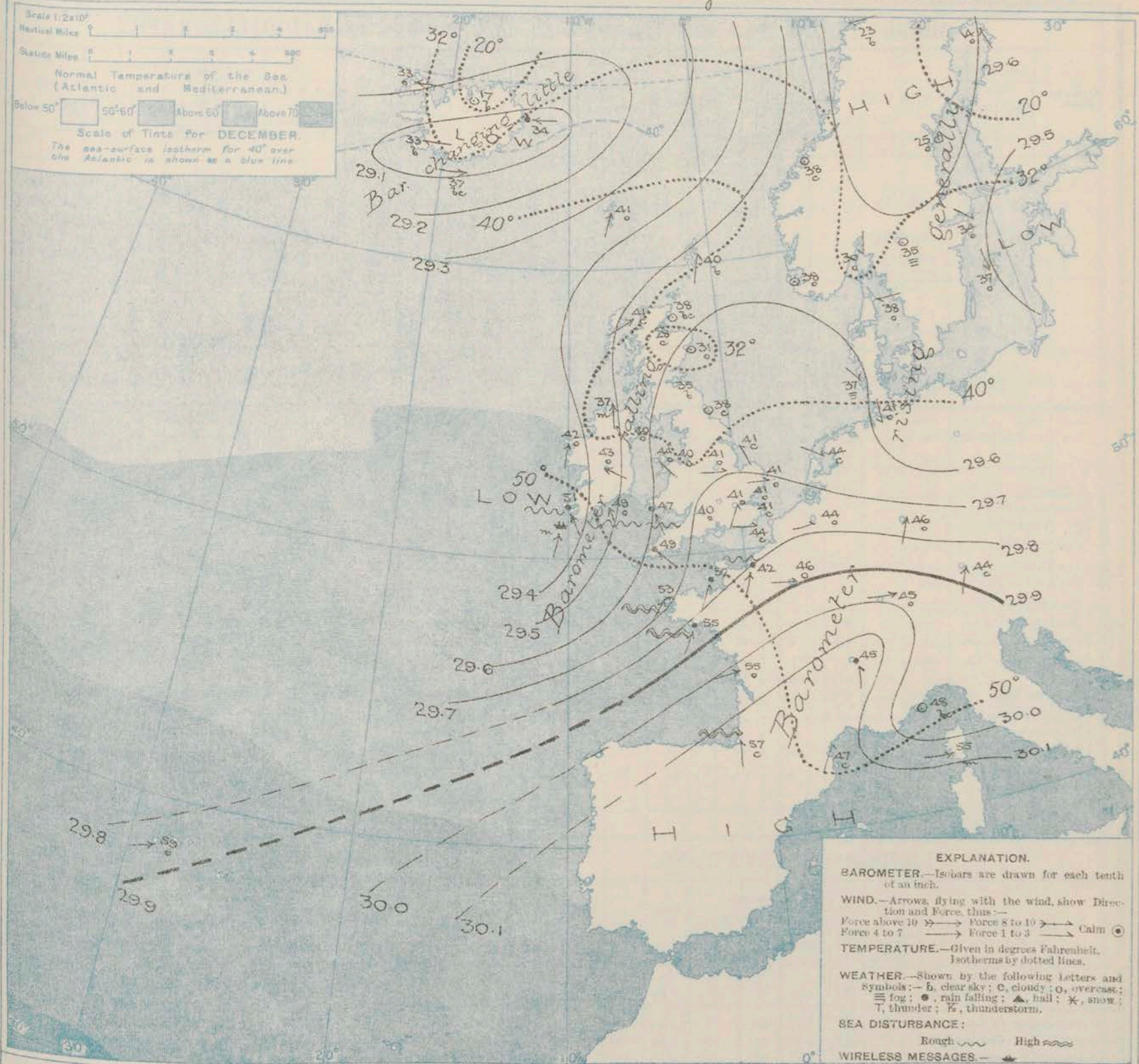
11 WESTERN CHANNEL AND BAY.

Increasing S. to W. winds, strong to a gale at times; sea becoming rough again; fair to dull and rainy, some mist or fog; mild.

THE FURTHER OUTLOOK. (all Districts).

Conditions remaining unsettled.

SYNOPTIC CHART FOR 7 A.M. Friday, 27th DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure continues highest over the Spanish Peninsula, 30.3 in. at Gibraltar. In a depression over Southern Iceland the barometer is at about 29 in. The barometer is again below 29.4 in. in the west of Ireland, a new depression approaching from the Atlantic. The gradient is moderate to very slight, but is increasing in the west and southwest.

E. winds prevail over Iceland, calms and variables over Scandinavia, and S. to S.W. over the British Isles and Western Europe. In most regions the force is very light, but is again increasing

on our western coasts and down the Bay. At the home stations temperature ranges from 28° at Barmouth to 52° at Jersey; on the Continent from 41° at Luchavan to 57° at Biarritz; in Scandinavia from 14° at Haparanda to 38° at Christiansund and Skudesnaes; and in Iceland from 17° to 37°. The weather is variable at home and abroad, fine and clear locally, but mainly very cloudy to overcast. Rain is falling on our southwestern coasts, on the Channel and in some parts of France, and in Eastern Iceland. A rough to high sea is running on the Bay of Biscay, rough or rather rough on the Bristol Channel and along the south of Ireland.

DAILY WEATHER REPORT.

Friday, 27th December, 1912.

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 7 a.m.	51	10	Baltic	H	29.44	-0.2	SSW	4-5	m										
26th 6 p.m.	51	15	Baltic	H	29.61	-0.4	S	4-5	o										
" "	51	14	Haverford	O	29.53	-0.7	SW	4-5	b										
" 7 a.m.	50	22	Baltic	H	29.66	0.0	WNW	4-5	bc										
" "	49	22	Finland	H	29.69	-1.0	SSW	4-5	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. 0.23	40	39	op. c. bc.	b	0.3	England, S.E.	Ramsgate ...	In. 0.38	53	37	*	*	0.0
	Stonehaven ...	"	"	"	"	"	"		Margate ...	" 0.20	49	38	ry	ry	0.0
	St. Andrews ...	"	"	"	"	"	"		Deal ...	" 0.59	50	38	or	ry	0.0
	Carnoustie ...	"	"	"	"	"	"		Littlestone ...	"	"	"	"	"	0.0
England, N.E.	Harrogate ...	0.27	42	34	or	or	0.0	England, S.W.	Folkestone ...	0.21	49	40	r. o	r. o	0.0
	Scarborough ...	"	45	36	o	o	0.0		Hastings ...	"	"	"	"	"	0.0
	Blackpool ...	"	"	"	"	"	"		Bexhill-on-Sea ...	0.39	50	44	r. bc. r	r. c	0.1
England, N.W.	Southport ...	0.20	45	38	or	op. o	0.0	England, S.W.	Eastbourne ...	0.45	50	48	op. bc. r	op. o	0.0
	Buxton ...	0.28	42	35	"	"	0.0		Seaford ...	0.55	50	39	r. c	r	0.1
	Douglas ...	"	"	"	"	"	"		Brighton ...	0.42	50	43	or. bc. o	or	0.8
Wales.	Rhyl ...	0.18	46	38	"	"	2.5	England, S.W.	Worthing ...	0.52	50	43	"	"	0.0
	Colwyn Bay ...	0.23	45	40	p. r	bc. bc.	0.8		Littlehampton ...	"	"	"	"	"	0.0
	Llandudno ...	0.23	45	40	c	o	1.5		Southsea ...	0.19	50	44	c. or	or. c	0.0
England, E.	Bettws y-Coed ...	"	"	"	"	"	"	England, S.W.	Bournemouth ...	0.60	49	43	rhg.	or. o	0.0
	Aberystwyth ...	0.47	48	42	r. o	o. c. r	0.2		Weymouth ...	0.43	50	45	or	r. p. bc	0.0
	Walfen-on-the-Waze ...	0.20	47	44	r. bc	bc. r	0.4		Teignmouth ...	0.45	50	40	or	cq.	0.0
England, E.	Lowestoft ...	"	"	"	"	"	"	England, S.W.	Torquay ...	0.79	50	42	r. o	r. c	0.0
	Felixstowe ...	0.28	47	40	or. bc	bc. or. g.	0.6		Paignton ...	0.86	50	36	cl. or. h.	r. o	0.3
	Southend-on-Sea ...	0.26	48	41	r	r	0.1		Weston-super-Mare ...	0.24	50	39	r. bc. bc.	bc. c	0.0
									Wraconcombe ...	0.82	50	44	r. 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.		Min. on Grass.	Night.	Fore-noon.	After-noon.	
			Max.	Min.									Max.	Min.					
					24 HOURS ENDED 9 A.M. TO-DAY.										24 HOURS ENDED 6 P.M. YESTERDAY.				
%	%				In.	or	or	o	Hr.	In.					or	or	o	Hr.	
Greenwich (Royal Obs.) ...	90	92	49	33	31	0.32	or	or	o	0.0	Dublin to 4 p.m.	0.36	46	40	36	b. or g.	rhg. c	bc	0.0
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	"	0.0	Plymouth to 9 p.m.	"	"	"	"	"	"	"	0.0
Westminster (St. James's Pk.)	99	91	50	40	35	0.30	or	or	0. bc	0.0	Darwen "	0.29	42	34	31	or n	or n	or n	0.0
Camden Sq. (Brit. Rainfall)	-	94	49	38	33	0.35	or	o	o	0.0	Manchester "	"	"	"	"	"	"	"	0.0
Hampstead (Reservoir) ...	"	91	47	38	28	0.29	or	or	or n	0.0	Birmingham "	0.43	44	37	28	o. r	r. c.	o	0.0
South Kensington ...	"	"	50	41	32	0.48	r. o	o. r. c	odp. c	{	"	"	"	"	"	"	"	"	"
" " (off of M.O.)	92	84	49	42	"	"	"	"	"	{	0.0	"	"	"	"	"	"	"	"

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

27 & 28 Dec., 1912.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 8.6 8.6	G.M.T. 11.54 11.55	G.M.T. 3.43 3.44
Greenwich ...	8.8 8.8	12.1 12.2	3.55 3.56
Wick ...	9.5 9.5	12.13 12.14	3.21 3.22
Valencia ...	8.51 8.51	12.42 12.43	4.34 4.35

During yesterday temperature rose to 50° at southern stations, 54° at Pembroke but Aberdeen did not exceed 36°, and Oban 34°. Frost occurred in Scotland during the night. Rain fell excepting over Eastern Scotland, ½ in. in London. As a rule there was no bright sunshine. A severe S.W. to S.E. gale was felt round the south and east of England, storm force at Dungeness. At Kew Observatory a squall at the rate of 49 m.p.h. was experienced. As far west as the 25th meridian ships experienced moderate to fresh S.W. to S.E. winds, and fair to dull misty 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-baze, or smoke.

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

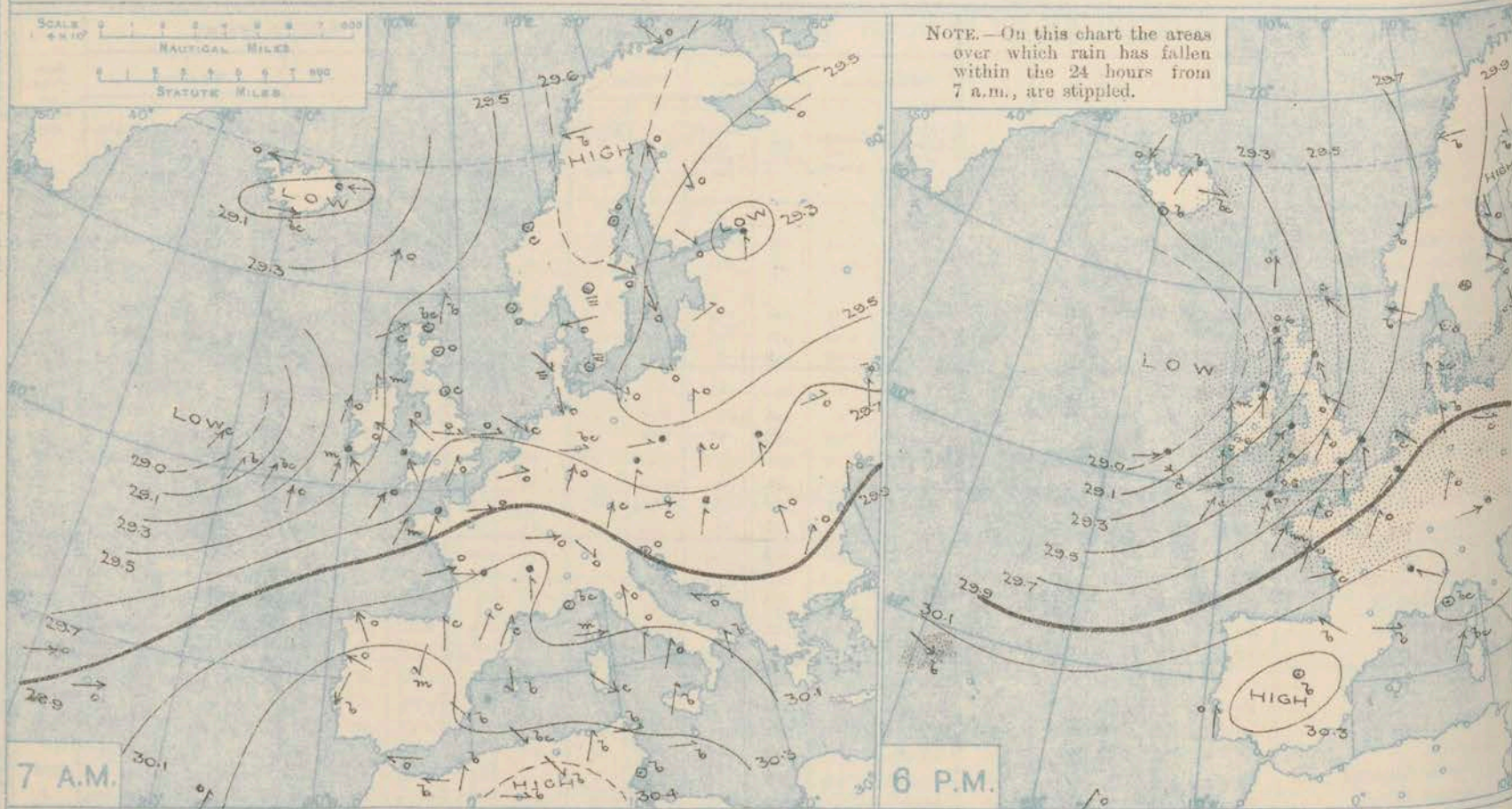
Saturday,
28th December 1912.

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 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.	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.			

* 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. 27th DECEMBER.



GENERAL INFERENCE

WEATHER PROSPECTS.

There are indications of the approach of secondary disturbances towards our western coasts, so that the mild, unsettled type of weather is expected to continue for the present.

FORECASTS FOR THE 24 HOURS NOON SATURDAY

TO NOON SUNDAY

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 7.5 p.m. yesterday in districts 0, 1, 6 & 9, and at 9 a.m. today in remaining districts.

0
1
2
3
4
5

Wind between S. and S.W., force variable, strong to a gale at times; squally, changeable, some rain; mild.

6
7
8
9
10

Same as Nos 0 to 5.

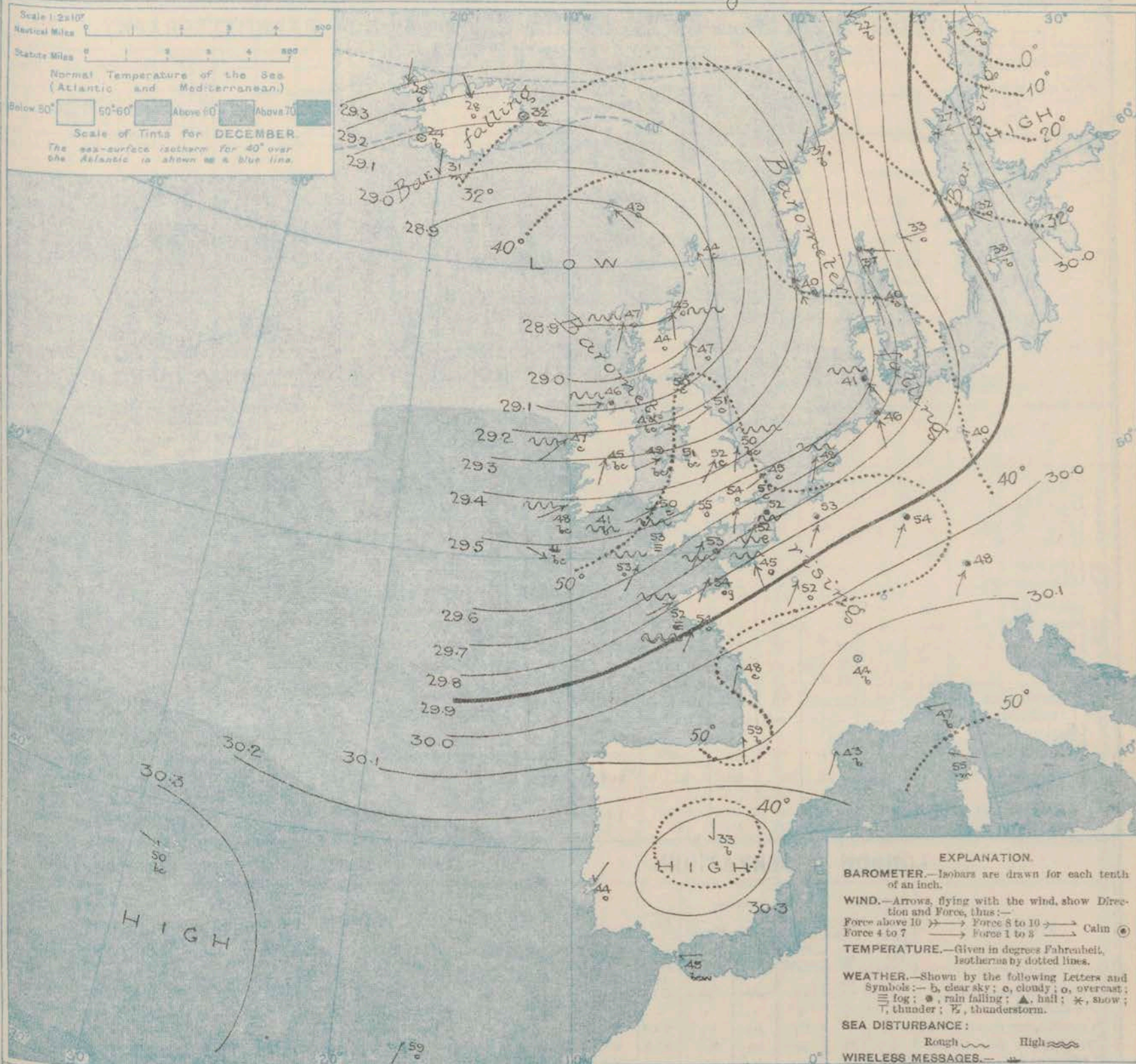
THE FURTHER OUTLOOK. (All Districts).

Conditions remaining unsettled.

11 WESTERN CHANNEL AND BAY.

Strong S.W. winds, a gale at times; rough sea, high S.W. swell; squally; unsettled, some rain and fog; mild.

SYNOPTIC CHART FOR 7 A.M. Saturday, 28th DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The British Isles are now situated between a high pressure system to the southward, and a deep cyclonic system centred to the northwestward of Scotland. The barometer is at 30.3 in. and upwards in Spain and at the Azores, below 28.9 in. at the Faeröe. The gradient is moderately steep in nearly all regions.

The winds prevail over Iceland, E. to S.E. over the Scandinavian region, S. to S.W. over the rest of our area. In many localities calms or light to moderate breezes are reported, in many others strong to high winds, and at Skudesnaes a gale. Temperature

has risen decidedly at nearly all the home stations, where they now range from 44° at Balm and Lerwick to 55° at Bath; on the Continent from 40° at Berlin to 59° at Biarritz; in Scandinavia from -8° at Naparanda to 40° at Skudesnaes; and in Iceland from 24° to 32°. The sky is cloudless over Southern France and Northern Scandinavia; in most other regions it is mostly very cloudy or overcast. Rain is falling at Malin Head and Dover, and it is very general from Southern Norway down to Bavaria, snow falling at Hemösand. About the western half of the Channel and the upper part of the Bay the atmosphere is misty to foggy.

DAILY WEATHER REPORT.

Saturday, 28th December, 1912.

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 7 a.m.	50	10	Montreal	H	29.55	+0.8	WNW	4-5	bc						In.	In.	(0-12).		
27th 6 p.m.	50	13	Virginian	H	28.99	+0.6	WSW	6-7	r						In.	In.	(0-12).		
6 p.m.	51	15	Oceanic	O	29.33	-0.9	WSW	6-7	o						In.	In.	(0-12).		
"	50	10	Finland	H	29.47	+0.6	SW	6-7	c						In.	In.	(0-12).		
"	49	10	Virginian	H	28.98	0.0	SW	4-5	c						In.	In.	(0-12).		
"	51	20	Haverford	O	29.00	-1.2	SW	1-3	b						In.	In.	(0-12).		
"	50	18	Finland	H	29.37	0.0	S	4-5	o						In.	In.	(0-12).		
"	49	13	Montreal	H	29.13	+0.6	SW	6-7	bc						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	0.01	44	36	x. bc. o	r. o. r	0.0	England, S.E.	Ramsgate	0.19	47	38	*	*	0.0
	Stonehaven	0.04	43	30	o	p. o	0.0		Margate	0.01	49	39	o	o. r	0.0
	St. Andrews	0.05	42	37	o. m	o	0.0		Deal	0.04	52	40	o. d	g. m. r	0.0
	Carnoustie	*	43	39	o. f	o. f	0.0		Littlestone	*	*	*	*	*	0.0
England, N.E.	Harrogate	0.05	42	37	o. m	o	0.0	England, S.W.	Folkestone	0.06	51	41	r. o	r. o. r	0.0
	Scarborough	*	43	39	o. f	o. f	0.0		Hastings	0.21	52	46	bc. op	o. r	0.0
	Blackpool	0.08	45	38	o	o	0.0		Bexhill-on-Sea	0.18	51	43	dg	d	0.0
	Southport	0.08	45	38	o	o	0.0		Eastbourne	0.35	54	49	o. d. m	o. d. r	0.0
England, N.W.	Buxton	0.08	45	38	o	o	0.0	England, S.W.	Seaford	0.15	51	49	o. r	r	0.0
	Douglas	0.02	55	37	o	o	0.0		Brighton	0.27	51	43	d. r	r	0.0
	Rhyl	0.02	55	37	o	o	0.0		Worthing	0.26	51	41	d	d	0.0
	Colwyn Bay	0.03	55	42	o. bc	bc	0.0		Littlehampton	*	*	*	*	*	0.0
Wales.	Llandudno	0.01	56	41	o	o	0.0	England, S.W.	Southsea	0.18	53	42	o. r. m	m. r. o. r	0.0
	Bettws y-Coed	*	54	42	o. c. o	o. r	0.0		Bournemouth	0.53	54	44	o. r	r. o	0.0
	Aberystwyth	0.21	54	42	o. c. o	o. r	0.0		Weymouth	0.30	54	47	o. r	o. r	0.0
	Walton-on-Nearne	0.04	47	40	bc	bc. f. m	0.0		Teignmouth	0.41	56	46	d. o	o. r	0.0
England, E.	Lowestoft	0.06	46	40	m. o	f. o. r	0.1	England, S.W.	Torquay	0.40	54	46	r	r	0.0
	Felixstowe	0.02	48	40	o	o	0.0		Paignton	0.40	54	46	r	r	0.0
England, E.	Southend-on-Sea	0.02	48	40	o	o	0.0		Weston-super-Mare	0.40	54	46	r	r	0.0
	Southend-on-Sea	0.02	48	40	o	o	0.0		St. Franciscombe	0.99	56	42	r	r	0.0

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sunshine for Yesterday.	STATIONS.	Rain-fall.	TEMPERATURE.			WEATHER.			Sunshine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.	Min. on Grass.	Min. on Grass.		Forenoon.	Afternoon.	Night.				In Screen.	Min. on Grass.	Min. on Grass.	Night.	Forenoon.	Afternoon.	
	%	%	Max.	Min.	Max.		Forenoon.	Afternoon.	Night.				Max.	Min.	Max.	Night.	Forenoon.	Afternoon.	
Greenwich (Royal Obsy.)	95	81	56	40	36	0.12	o. r	r. o	o. p. o	0.0	Dublin to 4 p.m.	0.02	56	35	32	b. o. r	g. p. o	bc. o	0.0
City (Bunhill Row)	*	*	*	*	*	0.20	r	r	r. bc	0.0	Plymouth to 9 p.m.	0.75	54	46	?	o. r. g	o. r. f	o. r. g	0.0
Westminster (St. James's Pk.)	98	87	57	42	39	0.23	o	o. o. r	o. o. o	0.0	Darwen	0.03	53	38	*	o	o	o	0.0
Camden Sq. (Brit. Rainfall)	97	82	56	42	41	0.23	o. m	o. m	o. m. o	0.0	Manchester	0.16	52	39	29	o	r	o	0.0
Hampstead (Reservoir)	*	82	54	34	32	0.23	o. m	o. m	o. m. o	0.0	Birmingham	0.16	52	39	29	o	r	o	0.0
24 HOURS ENDED 6 P.M. YESTERDAY.										* 0.0									
South Kensington	*	*	53	41	34	0.12	bc. o	o. d. m	o. m. o										
" (Roof of M.O.)	96	81	53	42	*	*	bc. o	o. d. m	o. m. o	0.0									

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

28th & 29th Dec., 1912.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	G.M.T.
Yarmouth	8.6	11.55	3.44
Greenwich	8.6	11.55	3.45
Wick	8.8	12.2	3.56
Valencia	8.51	12.43	4.35

During the past 24 hours temperature rose above 50° in most parts of these islands, the maximum in some places occurring in the night, at Bath rising as high as 59°. Rain has fallen everywhere, from $\frac{1}{2}$ in. to $\frac{3}{4}$ in. in places. A S. & S.W. gale was felt in the night on various parts of our coasts, a whole gale at Dunneen. As far west as the 21st meridian ships experienced S. & S.W. winds light to a gale, and very changeable weather, rain at times.

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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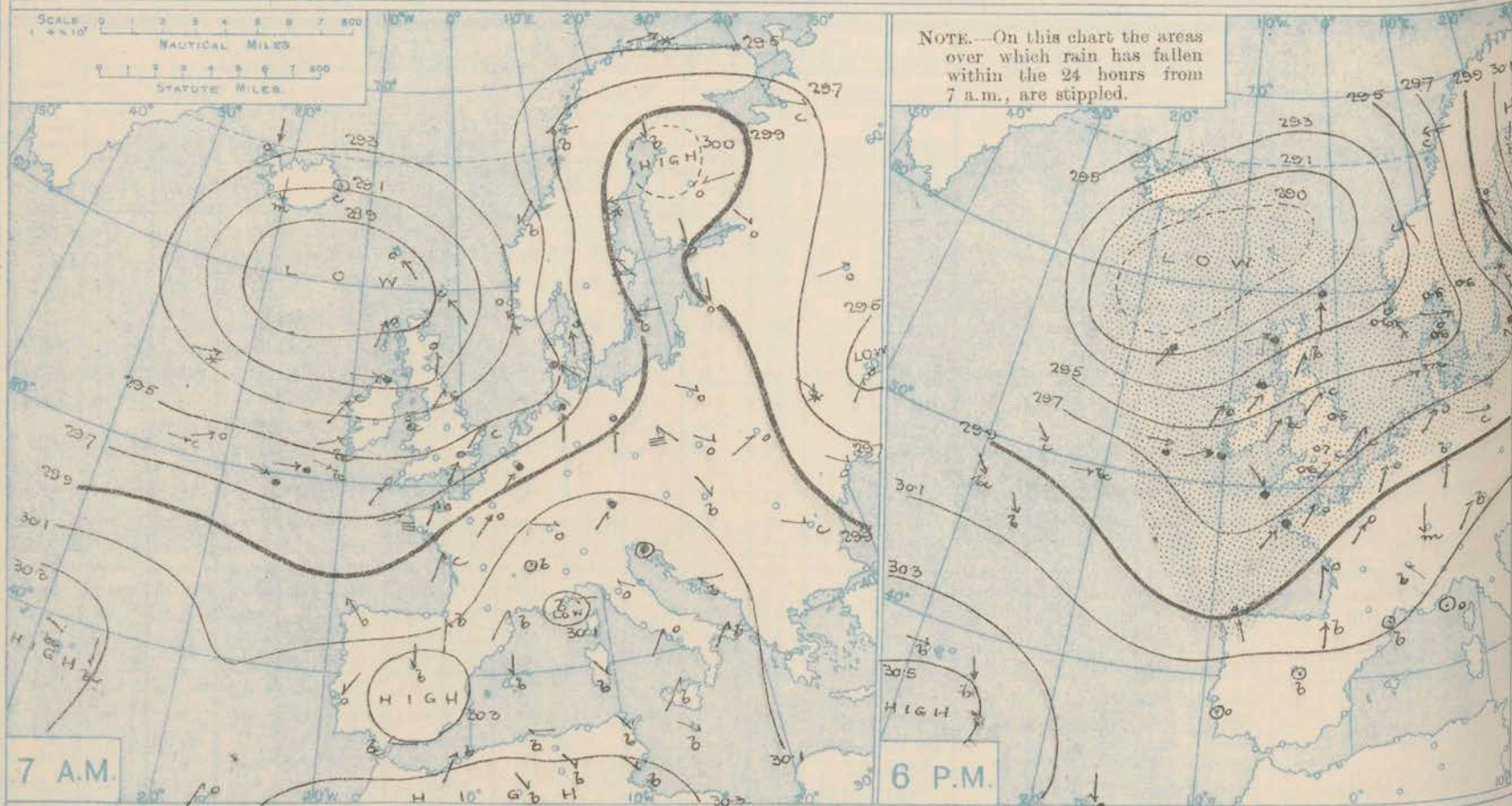
Sunday
29th December, 1912.

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.				Force (0 to 12).	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.			
Lerwick ...	29.12	46	S	5	r	29.41	+02	43	-1	S	3	bc	2	0.11	47	40	cmd	cmd	bc	*		
Stornoway ...	29.29	42	WSW	5	cpq	29.24	-06	43	-4	S	7	r	6	0.23	47	37	acdpg	cpq	odpg	0.1		
Castlebay (Barra Isd.)																						
Malin Head...	29.42	42	SW	5	c	29.19	-11	39	-7	SW	8	mq	7	0.09	47	36	mpq	mpq	3pg	*		
Blacksod Point ...	29.43	44	SW	6	o	29.37	+03	45	-2	SW	7	o	5	0.07	47	41	omq	omq	omq	*		
Valencia ...	29.59	42	WSW	4	bp	29.66	+03	46	-2	S	4	vc	5	0.15	49	41	bcy	bcy	bcy	2.5		
Roche's Point ...	29.63	43	W	3	b	29.70	*	42	+1	W	6	c	5	0.02	47	41	b	b	bcp	*		
Birr Castle ...	29.56	39	SE	1	bc	29.56	*	39	-6	SW	4	c	*	0.03	46	34	bcp	bcp	cq	0.0		
Donaghadee ...	29.54	42	SW	1	cq	29.49	-01	38	-10	SSW	3	b	1	-	48	36	cq	bc	bc	*		
Liverpool Obsy. ...	29.63	41	SW	2	b	29.64	+01	40	-11	SSW	2	b	2	-	51	39	b	c	b	1.5		
Holyhead ...	29.60	45	SW	3	bc	29.61	+02	43	-6	SW	4	b	3	-	51	42	c	bc	bc	*		
Pembroke (St. Ann's Hd.)	29.62	47	WNW	1	bc	29.71	+03	47	-3	W	6	bcy	5	Trace	51	46	cq	cq	bc	0.0		
Newquay ...	29.64	48	-	0	bc	29.82	+08	46	-7	W	6	bcy	5	0.42	53	44	of	om.c	cor.c	9.0		
Scilly (St. Mary's) ...	29.64	48	NW	1	cp.	29.82	+06	47	-6	W	6	cq	6	0.32	54	43	omcp	ogr	ogr	0.0		
Jersey (St. Aubin) ...	29.78	52	SW	3	ogm	29.84	*	46	-8	W	4	ogm	3	0.06	55	45	ogm	ogm	ogm	0.0		
Portland Bill ...	29.65	52	SSW	5	r	29.73	+12	45	-8	NW	4	c	4	0.36	53	43	cp	erm	er	*		
Dungeness ...	29.72	52	SSW	5	o	29.65	-06	52	0	SW	5	o	4	Trace	53	50	opq	op.c	op.c	*		
Dover ...	29.73	51	SW	5	o	29.68	*	50	-2	SSW	6	bc	5	0.03	51	49	d.o	d.o	o.c	0.0		
Wick ...	29.27	40	WSW	3	c	29.37	-03	41	-4	SSW	4	bc	4	0.02	46	36	om.b	bc.c	bcq	*		
Nairn ...	29.33	39	W	1	bc	29.37	*	37	-7	WSW	2	bc	1	0.02	44	33	o.c	bc	bc	0.7		
Aberdeen ...	29.38	41	SSW	2	b	29.49	-01	34	-13	S	1	b	2	-	49	34	c.b	b.b	b	3.7		
Leith ...	29.48	42	SW	3	o	29.47	-01	39	-11	SSE	3	b	*	Trace	51	37	cp	c	c.b	*		
North Shields ...	29.53	44	SW	2	c	29.57	00	37	-14	S	2	c	2	0.01	52	35	r	c	c	2.8		
Spurn Head ...	29.62	44	SW	4	c	29.60	-02	41	-9	NW	3	r	3	0.47	51	40	bc	c	bc	*		
Yarmouth ...	29.66	52	SW	2	c	29.59	-02	50	+5	SSW	4	c	5	0.11	55	45	c	cp	cp	0.0		
Clacton-on-Sea ...	29.69	48	SW	3	c	29.72	-03	48	-3	SSW	4	c	3	0.02	52	47	o.cq	cq	cq.p	0.1		
Nottingham...	29.63	46	SW	2	bc	29.65	*	40	-12	SW	2	r	*	0.41	52	38	epo	o.c.b	bed	0.0		
Bath ...	29.67	50	W	1	r	29.75	*	42	-13	W	1	o	*	0.63	56	44	-	-	-	0.0		
Oxford ...	29.67	49	SSW	2	o	29.76	*	41	-12	WSW	2	o	*	0.71	55	41	emo	op.c	r	*		
London (Kew Obsy.)...	29.69	53	SW	3	c	29.69	-02	43	-11	NW	4	bd	*	0.09	55	43	o.c	c	c	0.0		
Isafjord ...	29.47	23	NE	8	c	29.73	+05	21	-4	N	9	c	*	*	*	*	GALES.					
Reykjavik ...	29.13	30	N	8	b	29.45	+07	27	+3	NE	7	b	*	*	*	*	Duration and Extreme Force					
Vestmanna ...	29.00	37	NW	5	b	29.34	+04	30	+1	N	7	b	*	*	*	*	on British Coasts.					
Seydisfjord ...	29.13	33	-	0	S	29.39	+10	32	0	NE	4	o	*	*	*	*						
Thorshavn ...	28.94	45	SW	4	o	29.25	+04	39	-4	WSW	1	c	*	*	*	*						
Haparanda ...	30.12	-5	N	2	b	30.12	-01	10	+18	-	0	o	*	-	10	-15	Malin Head.					
Hernösand ...	29.90	28	SE	4	o	29.89	+01	30	+3	SE	4	o	*	Trace	30	25	2am-1am Extreme SW g					
Stockholm ...	29.74	32	SE	4	S	29.67	-07	34	+2	SE	4	r	*	0.24	34	30	in squalls.					
Wisby ...	29.69	34	SE	2	r	29.66	+02	42	+9	SW	2	o	*	0.20	43	30						
Karlstad ...	29.55	32	RSE	4	S	29.66	+04	31	-2	-	0	o	*	0.55	34	30						
Færder (X'ania Fjord)	29.33	?	S	?	?	29.68	+04	35	-2	N	2	o	3	0.51	37	32						
Bodö ...	29.61	26	E	5	c	29.61	-02	27	+5	E	6	b	2	-	27	21						
Christiansund ...	29.27	42	SSE	3	c	29.41	+02	44	+7	SE	4	o	3	-	44	37						
Skudesnaes ..	29.32	42	SE	8	o	29.58	+03	42	+2	SSE	4	o	5	0.55	44	39						
The Scaw (Skagen)...	29.44	46	W	5	o	29.67	+04	42	+2	-	0	m	0	0.59	46	40						
Blaavands Huk ...	29.61	44	WSW	4	m	29.73	+01	42	+1	S	1	o	1	Trace	45	41						
Cuxhaven ...	29.72	48	SW	4	o	29.76	-00	50	+4	SW	2	o	*	0.08	50	46						
The Helder ...	29.75	45	SSW	5	c	29.69	-02	50	+2	S	6	c	4	0.04	50	41						
Brussels ...	29.84	52	SSW	3	c	29.80	-03	47	-6	S	5	bc	*	0.04	55	47						
Berlin ...	29.83	52	W	2	c	29.83	+01	49	+9	S	1	c	*	0.20	54	40						
Frankfurt ...	29.96	52	S	1	b	29.99	+01	44	-10	SW	1	f	*	-	55	43						
Munich ...	30.07	45	SW	3	b	30.09	-01	34	-14	S	2	b	*	Trace	54	34						
C. Gris Nez ...	29.75	50	SSW	5	r	29.69	-02	49	-2	S	5	bc	4	0.16	55	48						
La Hève ...	29.81	44	SSE	6	o	29.74	*	45	0	SW	6	o	5	-	50	41						
Brest (St. Mathieu) ...	29.73	50	SW	5	r	29.94	+11	47	-5	WNW	5	b	5	0.24	52	46						
Lorient (Bec Melen)...	29.79	51	SW	7	r	29.92	*	46	-8	WNW	5	c	5	0.28	55	43						
Rochefort (Ile d' Aix)	29.93	50	S	2	b	29.97	*	54	+6	WSW	5	c	e	-	55	48						
Biarritz ...	29.93	64	S	4	b	30.12	*	55	-4	W	4	o	4	-	70	55						
Paris ...	29.92	54	SW	4	o	29.89	+02	43	-9	SSW	3	b	*	-	56	43						
Belfort ...	30.06	50	M	2	m	30.06	*	41	-9	-	0	bc	*	-	59	39						
Lyons ...	30.07	48	SE	1	b	30.06	*	45	+1	SE	2	b	*	-	54	39						
Nice ...	30.17	51	-	0	o	30.21	+05	47	0	-	0	bc	*	-	57	46						
Perpignan ...	30.09	48	-	0	b	30.12	*	48	+5	SW	2	o	*	Trace	59	42						
Sanguinaire ...																						
Corunna (8 a.m.) ...	29.91	54	SSE	6	o	30.13	+08	49	-6	WNW	3	o	6	0.16	59	45						
Lisbon (9 a.m.) ...	30.13	71	-	0	o	30.13	+04	50	-6	NNE	4	o	7	0.12	57	50						
Gibraltar ...	30.25	54	NW	2	bc	30.08	*	51	+6	W	1	bcw	1	-	66	45						
Azores (P. Delgada)	30.51	53	WNW	4	b	30.46	+01	52	+2	N	3	c	1	0.04	57	51						
Azores (Horta)	30.48	51	W	1	b	30.47	-00	51	+1	WNW	1	o	2	-	57	50						
Madeira (Funchal)	30.24	59	N	4	o	30.21	-01	55	-4	N	4	r	4	0.04	66	45						

* 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. 28TH DECEMBER



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

None Issued.

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 9 a.m. in Districts 2, 3, 5, 7, 8, 10 & 11 and at 9 a.m. to-day in Districts 0, 1, 6 & 9.

6 {
a
b

7 {
a
b

8 {
a
b

9 {
a
b

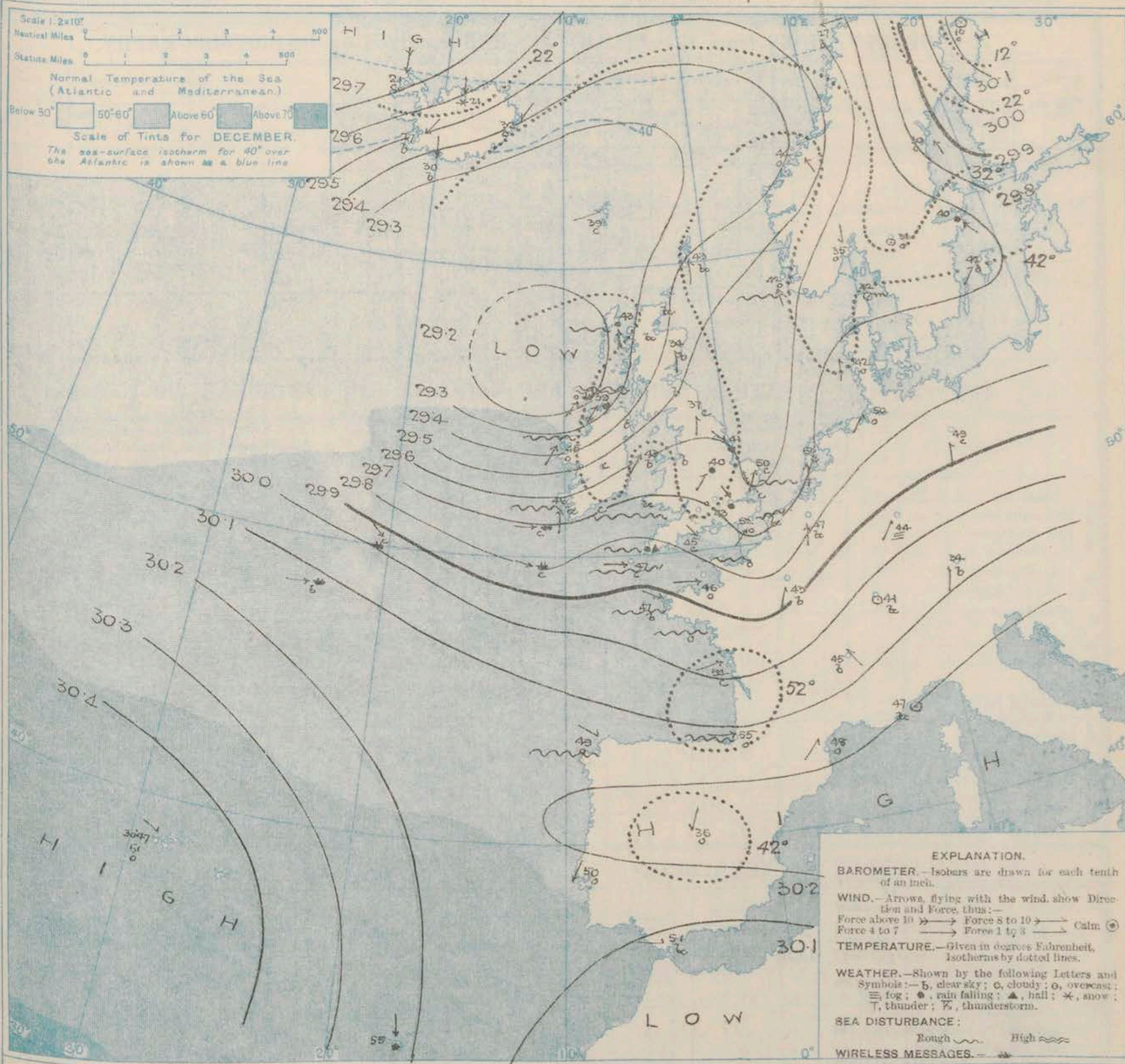
10 {
a
b

None Issued.

11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. SUNDAY, 29TH DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A "V" shaped secondary disturbance which advanced eastward across England last night is now passing away to the North Sea, but a large disturbance is approaching Scotland from the westward. Off the west of Ireland the barometric gradient is very steep.

Over England, Ireland and France the wind varies between S.W. and N.W., and in the north of Ireland it is strong to a gale in force. Southerly breezes prevail in Scotland and also in Denmark and Germany, South-easterly breezes in Scandinavia and northerly or North-easterly gales in

Iceland. Temperature has risen over the northern parts of the continent, fallen considerably in most other regions. Over the United Kingdom the readings range from 50° or slightly above it on the Kentish coast to 40° or less in most of the northern and central districts and to 34° at Aberdeen. Sharp frost prevails in the northern parts both of Sweden & Iceland. The weather is fine in north Britain and also in France and the Netherlands, cloudy and changeable elsewhere with rain in several isolated localities. The sea is high off the north of Ireland, and rough or rather so on nearly all the British, Irish and French coasts.

DAILY WEATHER REPORT.

Sunday, 29th December, 1912.

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 6 p.m.	48	29	Lusitania	H	30.03	-0.03	NW	6-7	bc	28th 7 a.m.	47	29	Marquette	H	29.89	+0.05	NW	4-5	bc
"	47	26	Marquette	H	29.99	+0.01	NW	6-7	b	"	50	23	Haverford	O	29.60	+0.04	W	6-7	c
"	50	25	Haverford	O	29.85	+0.02	NW	6-7	c	"	54	22	Columbia	H	29.24	-0.03	W	6-7	s
"	49	20	Oceanic	O	29.84	+0.11	W	6-7	bc	"	51	20	Canada	H	29.54	+0.04	WSW	6-7	o
"	55	17	Columbia	H	29.03	-0.07	SW	8-9	r	"	49	16	Oceanic	O	29.61	+0.07	WNW	6-7	r
"	51	16	Canada	H	29.66	+0.04	W	6-7	o										
"	55	5	Numidian	O	29.43	-	WSW	4-5	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 ...								{ Ramsgate ...		0.12	55	46			0.0
{ Stonehaven ...								{ Margate ...		0.10	55	41	o		0.0
{ St. Andrews ...								{ Deal ...		0.11	54	52	ot. cm		0.0
{ Carnoustie ...								{ Littlestone ...							0.0
{ Harrogate ...		0.18	47	40	c. bcq.	bcq. b	3.7	{ Folkestone ...		0.12	51	48	r. o. r		0.0
{ Scarborough ...								{ Hastings ...		0.25	52	50	or		0.0
{ Blackpool ...								{ Bexhill-on-Sea ...		0.16	52	50	g	g	0.0
{ Southport ...		0.10	49	45	r. c. b	cp	2.1	{ Eastbourne ...		0.23	55	52	or	og	0.0
{ Buxton ...		0.12	46	43	bc	bc	0.1	{ Seaford ...		0.47	52	50	o		0.0
{ Douglas ...								{ Brighton ...		0.33	52	45	od. o. c. o		0.0
{ Rhyl ...		0.04					3.5	{ Worthing ...		0.23	52	51			0.0
{ Colwyn Bay ...		0.10	50	43	qp	qp	3.0	{ Bognor ...							0.0
{ Llandudno ...								{ Southsea ...							0.0
{ Bettws y-Coed ...								{ Bournemouth ...		0.45	53	47	o		0.0
{ Aberystwyth ...		0.11	49	45	r. o. c	c. b	0.0	{ Weymouth ...		0.14	53	52	or	p. or	0.0
{ Walton-on-the-Naze ...		0.14	52	43	bc	bc. o	0.0	{ Teignmouth ...		0.14	55	51	c. r	c. r. c	0.0
{ Lowestoft ...								{ Torquay ...							0.0
{ Felixstowe ...		0.11	54	41	m. o	c. m	0.2	{ Paignton ...		0.38	55	49	f. or	c. o	0.0
{ Southend-on-Sea ...		0.10	56	41	o	o	0.5	{ Weston-super-Mare ...							0.0
								{ Ilfracombe ...		0.12	53	46	d	dm. c	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.	In.	In Screen.		Min. on Grass.	Night.		Fore-noon.	After-noon.
			Max.	Min.											Max.	Min.					
			24 HOURS ENDED 9 A.M. TO-DAY.												24 HOURS ENDED 5 P.M. YESTERDAY.						
Greenwich (Royal Obs.) ...	%	%	55	42	41	0.10	c	c.	c. o	0.0	Dublin to 4 p.m.	0.02	47	44	41	qp. b	bc	bc	0.0		
City (Rushall Row) ...	*	*	*	*	*	*	*	*	*	0.0	Plymouth to 9 p.m.	0.14	54	48	?	og	or	bc	0.0		
Westminster (St. James's Pk.)	87	92	56	43	44	0.07	bc	bc. r	bc	0.0	Darwen	0.09	51	38	43	or	bc	bc	0.0		
Camden Sq. (Brit. Rainfall)	81	89	56	42	40	0.08	o. c	o	or. o	0.0	Manchester	0.03	49	38	*	or. o	c. bc	bc. b	0.0		
Hampstead (Reservoir) ...	*	85	53	40	34	0.11	o	o	or. o	0.0	Birmingham	0.04	53	44	43	or	or	c	0.0		
South Kensington ...	*	*	52	48	44	Trace	bc	bc. o	od. p. o	*											
" (Roof of M.O.)	80	83	53	48	*	*	*	*	*	0.0											

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

29th Dec., 1912.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.6	11.55	3.45
	8.6	11.56	3.46
Greenwich ...	8.8	12.2	3.57
	8.8	12.3	3.58
Wick ...	9.5	12.14	3.23
	9.5	12.15	3.24
Valencia ...	8.51	12.43	4.36
	8.51	12.44	4.37

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to between 50° and 55° in all but the extreme northern parts of Great Britain, and reached 56° at Westminster, South Kensington and Bath. Little or no bright sunshine was recorded over the southern half of the United Kingdom, but in the north the amount was fairly large; nearly 4 hours at Aberdeen and Harrogate. Rain fell in most districts, rather heavily over the central parts of England, and lightning was seen at night at Harrogate. Wireless reports showed that as far west as the 23rd meridian ships experienced strong or high winds from the W. with rain or snow squalls; between the 25th and 26th meridians the wind was strong from the N.W. 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; 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.

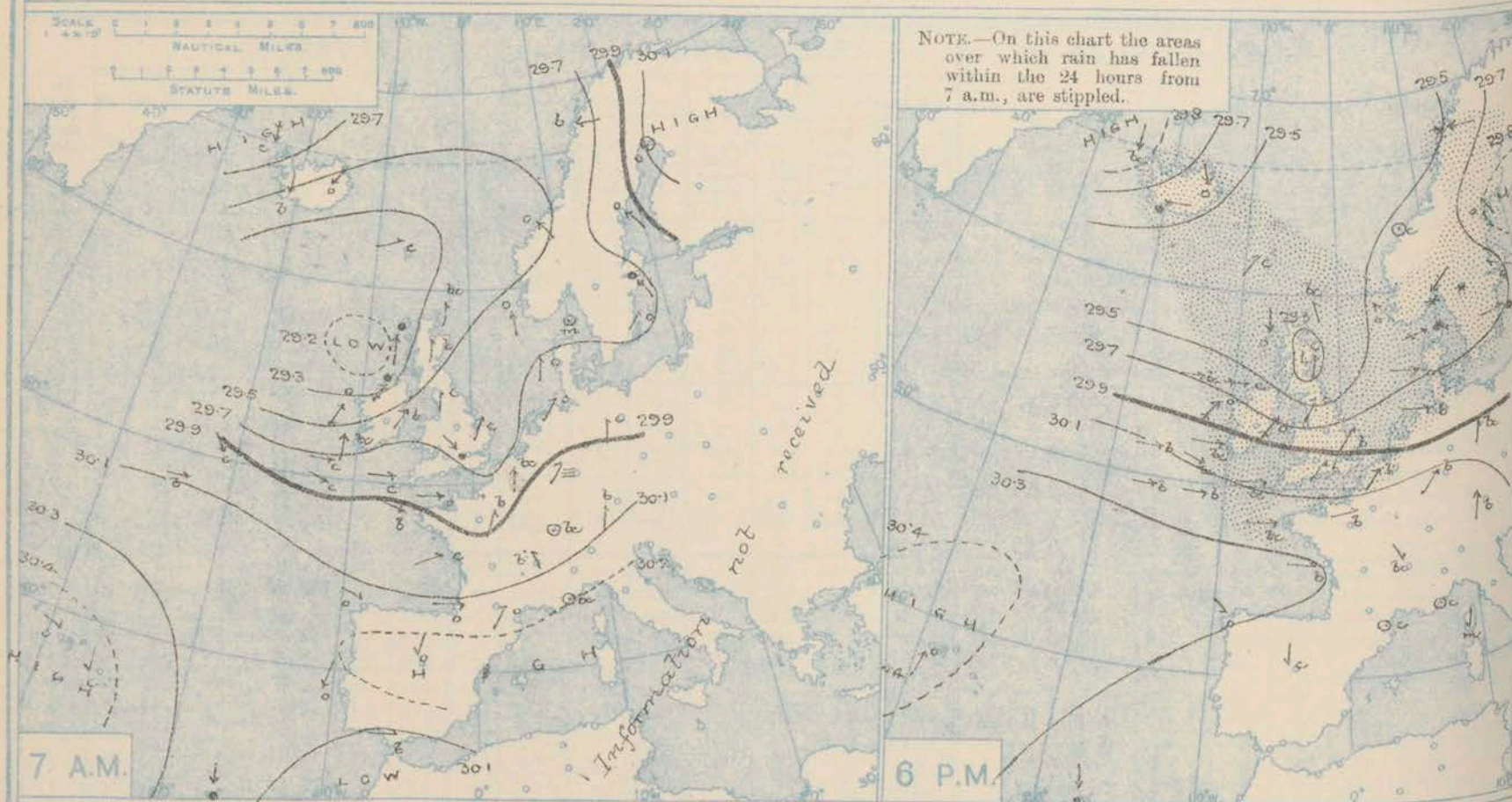
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Monday
30th December, 1912.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 2 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.				Dirac. (0 to 12).	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. (0 to 12).	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.
BRITISH ISLANDS.																								
Lerwick	29.41	42	SE	2	bc	29.68	+0.4	41	-2	SE	2	b	2	0.02	46	35	bm	bc	cp					
Stornoway	29.42	40	N	4	o	29.83	+0.1	40	-3	SW	4	o	4	0.04	43	35	odp	c-o	c-og					
Castlebay (Barra Isd.)																								
Malin Head	29.50	46	W	9	cg	29.96	+0.4	43	+4	WSW	5	om	5	0.14	47	38	rgm	cgm	ogm					
Blacksod Point	29.77	46	SW	8	o	29.98	-0.3	47	+2	SW	6	o	5	0.12	43	43	ogm	ogpm	ogpm					
Valencia	30.02	48	W	5	bc	30.16	-0.1	47	+1	S	3	o	5	0.13	49	44	bcg	bc	bc-o					
Roches Point	30.01	45	W	4	bc	30.21	*	44	+2	W	1	o	4	0.02	47	41	bc	bcg	bc-o					
Birr Castle	29.84	45	W	6	bc	30.11	*	37	-2	S	1	c	*	0.01	47	36	bc	bc	c					
Donaghadee	29.34	43	W	4	bc	30.05	0.0	40	+2	W	2	bc	1	Trace	44	38	odg	bcg	bcg, bc					
Liverpool Obsy.	29.71	46	WSW	6	o	30.14	+1.0	44	+4	WSW	5	o	4	0.04	47	38	bc	p-bc	og					
Holyhead	29.72	47	SW	8	o	30.15	+0.6	44	+1	SW	4	bc	4	-	48	43	bc	og	og					
Pembroke (St. Ann's Hd.)	29.94	48	W	7	bc	30.22	+0.4	47	0	W	5	cg	5	Trace	50	44	bcg	bcg	bcg					
Newquay	30.06	48	W	6	c	30.32	+0.5	47	+1	W	5	c	4	0.11	49	44	bcw	bcg	cp					
Scilly (St. Mary's)	30.08	48	W	6	bcg	30.31	+0.4	48	+1	W	4	c	4	0.01	50	45	ogp	bcg	bcg					
Jersey (St. Aubin)	30.15	49	WSW	4	c	30.41	*	48	+2	WSW	5	cm	4	0.18	51	44	bcg	b	bc					
Portland Bill	30.01	49	WSW	6	b	30.30	+0.8	48	+3	W	5	b	4	0.01	50	45	c	ogp	bc					
Dungeness	29.97	49	SW	6	bcg	30.21	+0.5	46	-6	WSW	6	bc	5	Trace	52	44	pg-bc	bc	bc					
Dover	30.01	46	SW	5	b	30.26	*	42	-8	WSW	5	b	4	0.01	50	41	cp-b	b-bc	b					
Wick	29.30	40	SW	3	o	29.82	+0.6	37	-4	W	1	bc	3	0.01	42	34	bcg	cp-om	b					
Nairn	29.30	38	-	0	c	29.85	*	37	0	W	1	bc	1	0.02	42	35	cg	cp	pg-bc					
Aberdeen	29.27	42	S	3	c	29.88	+0.9	39	+5	WSW	4	b	2	Trace	43	34	bc-c	ogp	c-b					
Leith	29.28	44	SW	6	r	29.96	+1.0	40	+1	-	0	c	*	0.06	45	38	bc-ogp	ogp	ogp					
North Shields	29.49	42	SSW	3	c	29.98	+0.9	41	+4	SW	3	c	2	0.01	45	35	c	c-r-c	-					
Spurn Head	29.66	44	SSW	6	bc	30.00	+0.5	43	+2	WSW	8	bcg	7	0.01	45	38	bc	bc	bcg, bc					
Yarmouth	29.85	44	SW	3	bc	30.05	+1.3	42	-8	W	4	bc	3	0.05	45	41	cp-bc	bc	bc					
Clacton-on-Sea	29.91	45	SW	4	b	30.17	+0.8	42	-6	WSW	4	b	3	-	49	41	c-bc	bc-b	b					
Nottingham	29.76	43	SW	5	b	30.12	*	43	+3	SW	3	c	*	0.01	45	39	o-c-b	c-bc	bcg					
Bath	29.93	48	SW	6	r	30.27	*	42	0	W	2	o	*	0.08	49	40	-	-	-					
Oxford	29.96	44	W	4	b	30.26	*	41	0	WSW	4	b	*	Trace	47	41	og-bc	bcg-bc	p-bc-b					
London (Kew Obsy.)	29.95	46	SW	4	b	30.25	+0.7	41	-2	SW	3	b	*	Trace	47	41	og-bc	bcg-bc	b-cg-b					
GALES.																								
Duration and Extreme Force on British Coasts.																								
Malin Head 7 a.m.-10 p.m. Extreme W. 9.																								
Blacksod Point 8 a.m.-7 p.m. Extreme S.W. 8.																								
Holyhead All day. Extreme S.W. 8.																								
Spurn Head 11 a.m.-7 a.m. Extreme W.S.W. 9.																								
Scilly W. 8 at 2 p.m.																								
SCANDINAVIA.																								
Haparanda	29.80	32	SE	6	o	29.54	-0.5	31	+1	NE	4	S	*	0.32	32	28								
Hernösand	29.69	35	SE	2	o	29.34	-0.4	37	+3	SSW	4	r	*	0.35	39	34								
Stockholm	29.71	39	WSW	2	r	29.51	-0.4	40	-2	SW	6	o	*	0.16	42	37								
Wisby	29.55	32	E	2	S	29.36	+0.4	34	+3	-	0	o	*	0.24	36	34								
Karlstad	29.45	32	NNE	6	S	29.50	+0.5	34	-1	WNW	4	c	2	?	36	30								
Færder (X'tania Fiord)	29.47	28	E	4	S	29.38	-0.1	37	+10	SE	2	bc	2	-	37	27								
Bodö	29.51	39	SE	4	o	29.55	+0.2	39	-5	SW	1	o	3	-	44	37								
Christiansund	29.52	40	-	0	c	29.66	+0.5	38	-4	WNW	4	c	2	0.08	43	34								
Skudesnaes	29.51	39	SE	4	o	29.66	+0.5	38	-4	WNW	4	c	2	0.08	43	34								
The Scaw (Skagen)	29.37	41	WSW	9	r	29.52	+0.2	41	-1	WNW	5	bc	1	0.24	43	36								
Blaavands Huk	29.68	43	W	6	m	29.64	+0.2	40	-2	SW	1	m	3	0.20	45	39								
GERMANY, &c.																								
Cuxhaven	29.82	44	W	5	b	29.76	-0.4	43	-7	W	7	r	*	0.08	52	41								
The Helder	29.90	45	SW	7	bc	29.98	+0.8	46	-4	W	8	c	6	0.04	50	45								
Brussels	30.11	42	SW	4	b	30.24	+0.7	41	-6	WSW	3	b	*	Trace	53	40								
Berlin	29.90	46	S	1	bc	30.00	-0.2	41	-8	S	3	o	*	-	54	39								
Frankfurt	30.11	48	SW	4	b	30.26	+0.2	42	-2	SW	5	c	*	-	52	41								
Munich	30.18	42	S	4	b	30.36	+0.2	42	+8	SW	4	bc	*	-	50	34								
FRANCE.																								
C. Gris Nez	30.01	49	WSW	7	bc	30.23	+0.8	48	-1	W	6	b	6	0.08	50	45								
La Hève	30.13	46	WSW	5	o	30.34	*	41	-4	W	4	b	4	0.04	52	39								
Brest (St. Mathieu)	30.24	50	W	5	c	30.45	+0.4	47	0	SW	3	bc	5	-	54	45								
Lorient (Bec Melen)	30.23	50	W	4	bc	30.44	*	48	+2	W	3	o	5	0.04	54	41								
Rochefort (Ile d'Aix)	30.30	49	W	2	b	30.50	*	42	-12	NW	2	m	*	-	54	41								
Biarritz																								
Paris	30.20	42	WSW	2	b	30.40	+0.4	35	-8	SW	3	b	*	-	51	34								
Belfort	30.21	45	W	4	c	30.49	*	36	-5	W	4	c	*	-	51	36								
Lyons	30.25	50	NNW	1	bc	30.51	*	39	-6	N	2	b	*	-	57	36								
Nice	30.21	50	-	0	c	30.31	+0.2	46	-1	-	0	b	2	-	54	43								
Perpignan	30.26	48	-	0	c	30.40	+0.4	50	+2	W	1	o	*	-	59	44								
Sanguinaire	30.13	53	N	3	m	30.20	*	51	*	SE	1	m	2	-	57	45								
SPAIN, PORTUGAL, &c.																								
Corunna (8 a.m.)	30.30																							

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 29th DECEMBER



GENERAL INFERENCE

The barometer is again giving way in the west of Ireland, accompanied by a backing wind. It is probable, therefore, that

WEATHER PROSPECTS.

another depression is approaching from the Atlantic, so that the conditions will remain of a changeable type.

FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

0 {
1
2 {
3
4 {
5

Wind between W. and S.

fresh or strong at times;

fair or fine, less settled later.

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 Coast.

North Coast.

Signals hoisted this morning.

South Coast.

North Coast.

South Coast hoisted

at 9.5 a.m. yesterday.

6 {
7 {
8 {
9 {
10 {

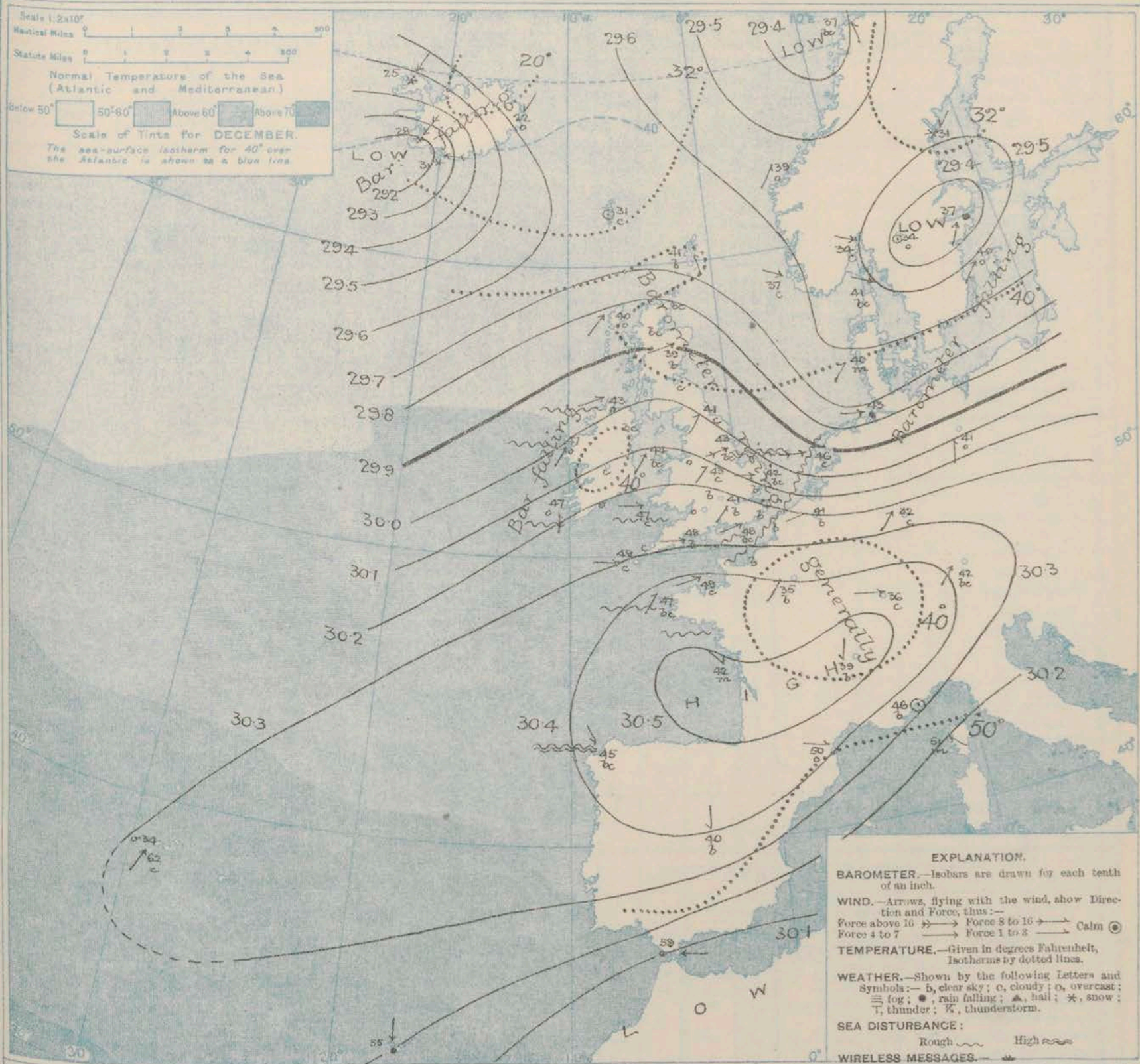
Same as Nos. 0 to 5.

11 WESTERN CHANNEL AND BAY.

Fresh or strong W. and S.W. winds; sea moderate to rough, considerable S.W. swell; squally, fair to dull, some rain and mist; moderate temperature.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. MONDAY, 30TH DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

In an anticyclone centred over south-western France and the Bay the barometer is above 30½ in. Pressure is below 29.2 in. in the southwest of Iceland and below 29.4 in. in depressions over Southern Sweden and Northern Norway. The gradient is considerable over most regions.

E. to E. light winds to strong gales prevail over Iceland, light to fresh variable winds over Scandinavia, S.W. and S.E. over the British Isles and Western Europe, varying greatly in force, a

gale on the lower part of the North Sea. At the home stations temperature ranges from 37° at Birr Castle to 47° or 48° on the southwestern and western coasts; on the Continent from 35° at Paris to 50° at Perpignan, and 59° at Gibraltar; over Scandinavia from 31° at Hernösand to 40° at Wisby; and in Iceland from 19° to 31°. Fair or fine weather is reported over a great part of the region under observation, but rain is falling locally beyond the North Sea, snow at Hernösand, and over the west of Iceland. A high sea is running off the Humber, and it is rough off the Helder and Calais, rather rough in several other localities.

DAILY WEATHER REPORT.

Monday, 30th December, 1912.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- H H	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- H 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.	
29th 6 p.m.	49	15	Minnewaska	O	30.17	+0.6	W	6-7	c	29th 1 p.m.	55	9	Columbia	H	29.42	+0.7	W	10-11	c
	51	15	Lusitania	H	30.12	+0.4	W	4-5	b		48	23	Marquette	H	30.12	-0.1	W	4-5	b
	55	12	California	O	29.69	+1.8	W	6-7	bc		50	20	Lusitania	H	30.01	-0.0	NW	4-5	c
	51	11	Carmania	O	29.98	+1.5	WNW	6-7	bc		51	11	Canada	H	29.77	+0.9	W	6-7	c
	49	10	Manitou	O	30.00	+0.2	W	6-7	b		49	11	Minnewaska	O	29.77	+0.7	WNW	6-7	c
	55	8	Nunuidian	O	29.61	+0.9	NW	8-9	b		50	13	Mount Temple	O	29.88	+0.5	W	6-7	c
	55	11	Caledonia	O	29.36	+2.1	W	8-9	c		55	7	Nunuidian	O	29.17	-1.7	SW	8-9	c
	49	10	Manitou	O	29.84	+0.5	W	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.	In.					Hr.	Ramsgate ...	In.					Hr.
Stonelaven ...							Margate ...	0.09	53	42			3.0
St. Andrews ...							Deal ...	0.07					2.0
Carnoustie ...							Littlestone ...	0.04	47	43	op.c	bc.b	4.3
England, N.E.							Folkestone ...						3.7
Harrogate ...	0.02	42	35	o.c	c.op	0.0	Hastings ...	0.01	48	43	bc.b	bc.o	4.0
Scarborough ...		44	39	o.c	o.c	0.0	Bexhill-on-Sea ...	0.05	51	43	o.b.c	b	4.0
England, N.W.							Eastbourne ...	0.06	49	44	o.b.c	bc.b	4.1
Blackpool ...							Seaford ...	0.08	48	43	op.b.o	bc.b	4.6
Southport ...		47	35	g.b.c	bc.o	0.0	Brighton ...	0.11	50	43	b	b.b.c	4.5
Buxton ...							Worthing ...	0.26	49	44	o.c.b.c	bc.b	4.7
Douglas ...							Littlehampton ...	0.15	49	43	bc	bc	3.6
Wales.							Southsea ...						5.6
Rhyl ...	0.04	47	36			1.4	Bournemouth ...	0.33	49	42	b.p	b	5.0
Colwyn Bay ...	0.04	47	41	bc.c	cp.r	1.6	Weymouth ...	0.46	49	42	b	bcp.b	4.7
Llandudno ...	0.01	47	39	c	bc	0.6	Teignmouth ...	0.51	49	42	b	bcp.b.c	5.0
Bettws y-Coed ...							Torquay ...	0.60	49	42	bc	bc.b	4.1
Aberystwyth ...	0.04	48	41	copp	og	0.0	Paignton ...	0.61	55	42	b	b	2.7
England, E.							Weston-super-Mare ...	0.30	51	41	bc.b	b.bcp	0.8
Walton-on-the-Naze ...	0.01	46	43	bc	bc.b	1.4	Alfracombe ...	0.32	49	44	p.c.b	bc	
Lowestoft ...	0.08	50	42	o.c.b.c	bc.b	0.9							
Felixstowe ...	0.02	47	43	cm	bc.m	2.5							
Southend-on-Sea ...	0.03	48	43	b	b	2.5							

LONDON OBSERVATIONS.

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.	
Greenwich (Royal Obs.) ...	76	88	47	40	3.4	o.b	b	b	0.6
City (Rushill Row) ...									0.4
Westminster (St. James's Pl.)	78	92	49	41	3.5	b	b	bc	2.1
Camden Sq. (Brit. Rainfall)		90	47	39	3.3	c.b.c	bc	b.b.c	2.8
Hampstead (Reservoir) ...		90	45	38	2.9	c	c	bc.b	2.8
24 HOURS ENDED 9 A.M. TO-DAY.									
South Kensington ...			54	43	3.9	0.09	o.c	o.b.c	2.4
" (Roof of M.O.)		86	54	43					

Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.		WEATHER.			Sun- shine
		In Screen.	Min. on Grass.	Night.	Fore- noon.	After- noon.	
Dublin to 4 p.m.	In.						
Plymouth to 9 p.m.	0.01	46	40	3.6	bcp	bcp	bcp
Darwen "							
Manchester "							
Birmingham "	0.35	45	38	3.1	r.o	o.c	1.9

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

30th Dec., 1912.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 8.6	G.M.T. 11.56	G.M.T. 3.46
Greenwich ...	8.8	12.3	3.58
Wick ...	9.5	12.15	3.24
Valencia ...	8.51	12.44	4.37

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature rose to between 50° and 53° in several parts of this country, but in the north of Scotland it remained below 45°. Rain fell generally, but no large amounts were registered. There were good sunshine records over southern England, 5 hours at Torquay and Weymouth, 5½ hours at Bournemouth. Other districts had little or no sun. A easterly or south-easterly gale occurred at some north western stations and at Spurn Head. As far west as the 25th meridian ships experienced easterly to north-easterly strong winds to strong gales, with fair or fine 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.

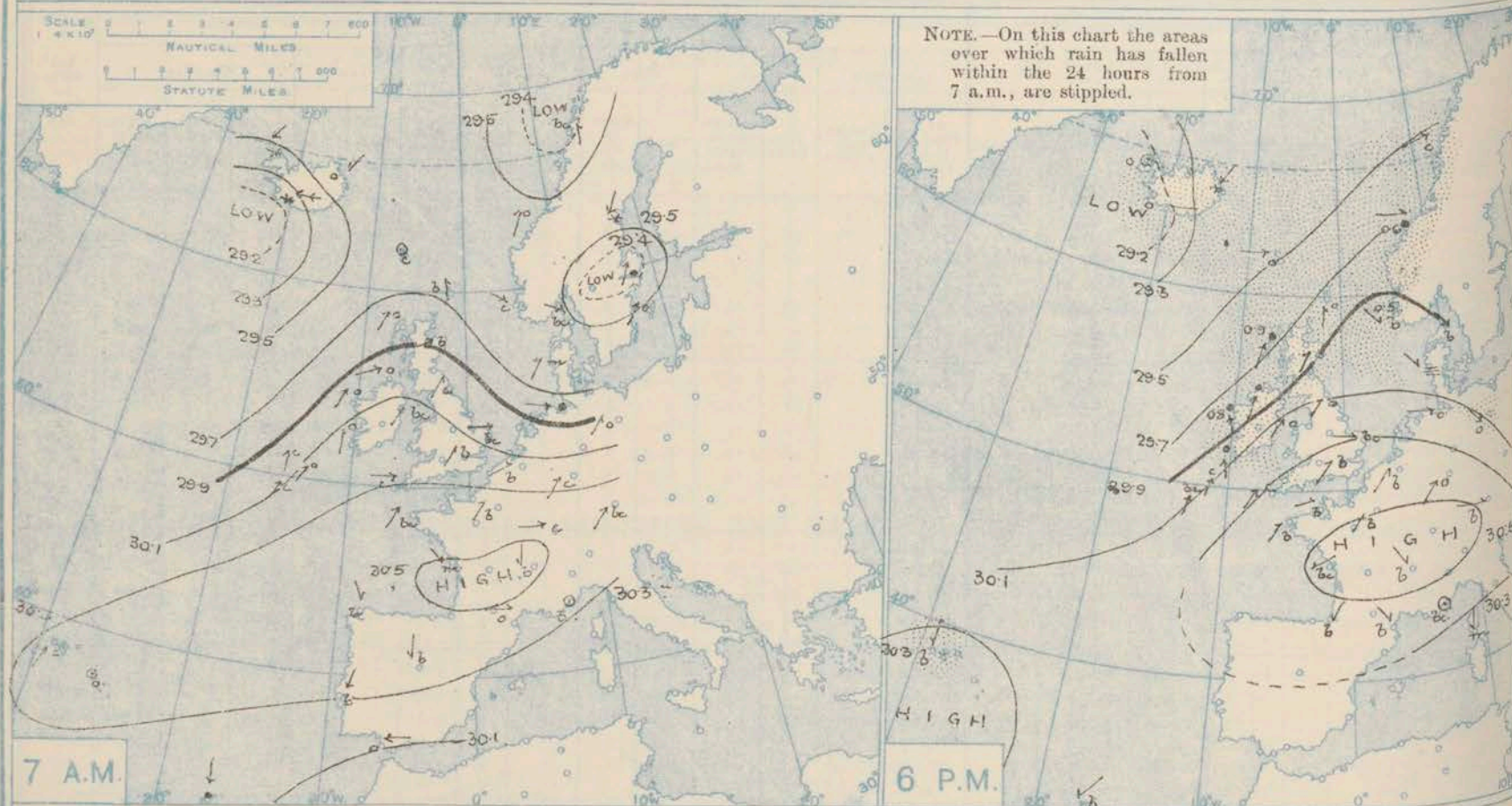
Tuesday,
31st December, 1912.

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	Weather.	Sea	Rain- fall.	TEMP.		WEATHER.						
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.										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.	"	Dir.	Force (0 to 12).		In.	In.	"	"	Dir.	Force (0 to 12).		In.	"	"				Hours.		
Letwick	29.74	44	S	3	o	29.24	-0.6	48	+7	SSW	5	oq	5	0.39	49	40	cp	om	o.cq	*	
Stornoway	29.64	48	SSW	7	odq	29.33	-0.3	45	+5	SW	5	r	5	0.89	52	39	odq	odq	oq	0.0	
Castlebay (Barra Isd.)																					
Malin Head	29.74	45	SSW	7	oqd	29.53	0.0	49	+6	SW	5	cq	5	0.12	50	41	odm	odq	cqp	*	
Blacksod Point	29.76	50	SSE	9	r	29.60	+0.1	51	+4	S	8	o	6	0.83	53	47	orgm	orgm	orgm	*	
Valencia	30.04	51	SSE	5	agp	29.85	0.0	51	+4	S	5	o	6	0.29	52	42	c-o	opm	omr	0.0	
Roche's Point	30.14	50	W	4	o	29.98	*	49	+5	SW	7	r	6	0.09	50	44	o	o	or.d	*	
Birr Castle	30.01	47	S	1	r	29.78	*	51	+14	S	6	r	3	0.05	51	37	c	c or	or	0.0	
Donaghadee	29.99	44	SSW	3	r	29.72	-0.3	50	+10	SSW	6	oq	3	0.19	50	38	c	omr	og. oqp	*	
Liverpool Obsy.	30.18	47	SW	4	o	29.97	-0.3	48	+4	SW	5	o	3	-	49	42	a bc	a bc	oq	0.8	
Holyhead	30.13	49	SW	6	o	29.92	-0.3	49	+5	SW	8	o	7	0.01	50	44	bc	cq	oq	*	
Pembroke (St. Ann's Hd.)	30.24	49	SW	6	c	30.05	-0.3	49	+2	SSW	7	cqm	7	Trace	50	44	cq	b.gq	cq	1.0	
Newquay	30.32	45	S	3	b	30.17	-0.1	48	+1	SSW	3	c	7	Trace	50	45	bc	bc	c	3.5	
Scilly (St. Mary's)	30.30	49	SW	5	cqp	30.14	-0.2	50	+2	SW	5	c	6	-	51	46	bc	cqp	cq	3.6	
Jersey (St. Aubin)	30.44	47	WSW	3	b	30.35	*	45	-3	S	3	b	3	0.04	52	44	c o p c	c p c b	b	2.0	
Portland Bill	30.33	49	WSW	4	b	30.19	-0.2	50	+2	SW	6	c	4	Trace	50	47	bc	b	bc	*	
Dungeness	30.35	47	WSW	3	bc	30.24	-0.2	47	+1	SSW	5	bc	3	-	49	44	bc	bc	b bc	*	
Dover	30.39	43	W	3	b	30.27	*	46	+4	SW	5	bc	4	-	47	41	b	b	b bc	6.1	
Wick	29.75	44	SSW	5	o	29.34	-0.5	47	+10	SW	4	c	4	0.05	48	35	bc c	c o q	orcdz	*	
Nairn	29.78	47	WSW	4	o	29.41	*	50	+13	WSW	5	c	3	0.06	52	36	g-o	g-o	q p c	0.0	
Aberdeen	29.89	43	SSW	2	o	29.49	-0.7	50	+11	SSW	5	bc	3	0.07	51	37	bc-o	q	or c q	0.0	
Leith	29.93	47	SW	4	o	29.64	-0.4	50	+10	SW	7	r	4	0.03	51	40	c-o	ogp	c q	*	
North Shields	30.07	45	SW	3	o	29.77	-0.3	49	+8	SSW	7	o	2	0.02	49	39	cq	q-o	a r	1.5	
Spurn Head	30.18	42	SSW	5	c	30.01	0.0	45	+2	SSW	5	cq	5	-	45	40	cq	c	o-o c q	*	
Yarmouth	30.30	41	W	2	bc	30.17	-0.2	43	+1	SW	2	bc	2	-	46	40	bc	bc	bc	5.2	
Clacton-on-Sea	30.32	43	WSW	3	bc	30.23	-0.5	45	+3	WSW	4	bc	3	-	47	41	b bc	bc	bc b bc	5.6	
Nottingham	30.23	44	SW	3	bc	30.05	*	46	+3	SW	5	o	*	-	46	40	c b	b bc	bc b	2.1	
Bath	30.34	47	SW	4	b	30.19	*	48	+6	WSW	3	o	*	-	49	42	-	-	-	3.2	
Oxford	30.33	43	SW	4	b	30.18	*	47	+6	SSW	6	og	*	-	47	41	b	b bc c	c b o	*	
London (Kew Obsy.)	30.34	43	SW	3	b	30.22	-0.2	47	+6	SW	4	o	*	-	47	40	b bc	bc b	b bc c	5.2	
GALES.																					
Duration and Extreme Force on British Coasts.																					
Isafjord	29.18	29	-	0	o	29.07	0.0	30	+5	-	0	c	*	*	*	*	*	*	*	*	
Reykjavik	29.08	34	E	3	r	29.00	0.0	29	+1	-	0	b	*	*	*	*	*	*	*	*	
Vestmanna	29.15	35	E	5	o	29.00	0.0	33	+2	N	1	b	3	*	*	*	*	*	*	*	
Seydisfjord	29.38	30	NE	4	s	28.89	-0.9	32	+10	-	0	s	*	*	*	*	*	*	*	*	
Thorshavn	29.45	46	W	7	o	28.83	+1.2	42	+11	SW	9	r	*	*	*	*	*	*	*	*	
Haparanda													*	*	*	*	*	*	*	*	
Hernösand													*	*	*	*	*	*	*	*	
Stockholm													*	*	*	*	*	*	*	*	
Wisby													*	*	*	*	*	*	*	*	
Karlstad													*	*	*	*	*	*	*	*	
Færder (X'ania Fjord)	29.84	36	WSW	2	bc	29.84	-0.2	40	+6	SSW	5	o	3	-	40	34					
Bodö	29.54	34	WSW	4	c	29.70	+0.1	26	-11	E	1	b	1	?	37	26					
Christiansund	29.71	37	W	2	r	29.51	-1.6	39	0	ESE	4	o	3	0.59	39	36					
Skudesnaes	29.91	42	NNW	2	b	29.67	-0.6	44	+6	SSE	8	r	5	0.47	44	36					
The Scaw (Skagen)	29.91	41	NW	5	b	29.94	-0.1	41	0	SW	3	m	1	-	43	39					
Blaavands Huk	30.08	43	NW	3	m	30.05	-0.3	43	+3	WSW	3	m	2	-	43	40					
Cuxhaven	30.15	43	W	5	o	30.18	-0.2	41	-2	SW	4	o	*	0.04	45	41					
The Helder	30.29	44	WSW	4	b	30.21	-0.2	45	-1	SSW	4	c	3	-	46	44					
Brussels	30.42	40	SW	1	b	30.37	-0.2	37	-4	SW	3	o	*	-	47	35					
Berlin	30.10	44	NW	4	o	30.28	+0.1	42	+1	W	3	o	*	0.12	52	39					
Frankfurt	30.44	42	SW	4	o	30.45	0.0	39	-3	SW	3	o	*	-	48	37					
Munich	30.52	37	W	3	b	30.55	-0.1	29	-13	SSW	1	b	*	-	43	28					
C. Gris Nez	30.37	47	W	5	b	30.28	-0.2	46	-2	SW	6	*c	5	0.12	50	45					
La Hève	30.41	45	W	3	b	30.34	*	39	-2	SW	4	b	3	-	52	36					
Brest (St. Mathieu)	30.45	50	SW	3	b	30.31	-0.2	49	+2	S	4	c	3	-	54	47					
Lorient (Bec Melen)	30.47	46	SW	2	b	30.32	*	43	-5	SE	3	bc	3	-	54	39					
Rochefort (Ile d' Aix)	30.51	45	ENE	2	bc	30.36	*	36	-6	E	3	b	*	-	50	36					
Biarritz	30.44	48	NE	3	b	30.28	*	40	-	ENE	3	b	3	-	52	39					
Paris	30.49	40	SW	2	b	30.44	-0.2	32	-3	SSW	2	f	*	-	49	32					
Belfort	30.56	38	WSW	2	m	30.52	*	32	-4	ENE	3	f	*	-	46	29					
Lyons	30.56	38	NW	3	b	30.53	*	33	-6	E	1	f	*	-	47	30					
Nice	30.37	47	-	0	bc	30.42	+0.2	42	-4	-	0	b	1	-	55	39					
Perpignan	30.40	51	NW	1	b	30.43	0.0	36	-14	SW	1	b	*	-	60	34					
Sanguinaire	30.26	53	N	2	m	30.26	*	50	-1	ESE	1	m	2	-	57	45					
Corunna (8 a.m.)																					
Lisbon (9 a.m.)																					
Gibraltar																					
Azores (P. Delgada)																					
Azores (Horta)	30.38	60	NNE	3	b	30.45	+0.1	56	-6	N	2	c	2	0.04	64	55					
Madeira (Funchal)	30.21	56	NE	3	b	30.21	0.0	55	0	NE	2	bc	3	-	63	43					

* 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. 30th DECEMBER.



GENERAL INFERENCE

During the ensuing 24 hours the weather over this country will be under the influence of a deep cyclonic system to

WEATHER PROSPECTS.

the northward and secondaries which are indicated to the westward of Ireland.

FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

FORECAST DISTRICTS.	
0 { a b	6 { a b
1 { a b	7 { a b
2 { a b	8 { a b
3 { a b	9 { a b
4 { a b	10 { a b
5 { a b	11 WESTERN CHANNEL AND BAY.

Wind between S. and S.W., strong to a gale at times; squally, changeable, some rain; fair intervals; mild.

Same as Nos 0 to 5.

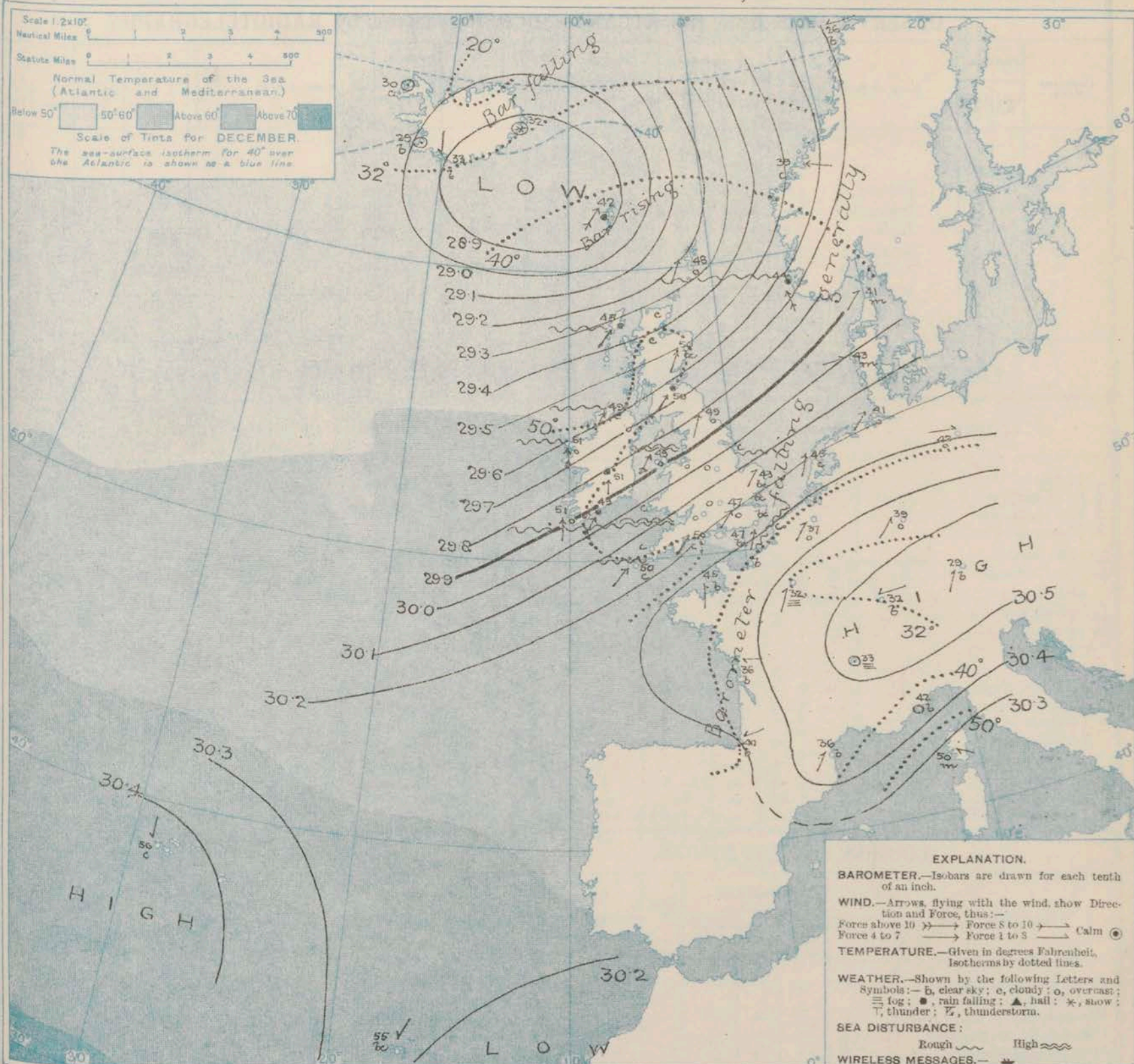
STORM WARNINGS.
The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

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

South Cone hoisted at 2.20pm in Districts 7, 10 & part of 6, and at 7.10pm on remaining coasts.

THE FURTHER OUTLOOK. (All districts)
Conditions remaining unsettled.

SYNOPTIC CHART FOR 7 A.M. TUESDAY, 31ST DECEMBER 1912.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

In an area of high pressure on the Continent the barometer is above 30½ in. from central France across Bavaria. A deep cyclonic system is centred between the Faeröe and Iceland, with the barometer below 28.9 in. The gradient is rather steep over northwestern Europe.

Calms prevail over Iceland, S.E. and S.W. winds in nearly all other regions, strong to a gale in many parts of this country and in Southern Norway, a strong gale in the Faeröe. At the

home stations temperature ranges from 43° at Yarmouth to 50° or 51° in many localities; on the Continent from 29° at Munich to 49° at Brest; in Norway from 26° at Bodø to 44° at Skudesnaes; and in Iceland from 16° to 32°. There is a good deal of fair to fine, clear weather both at home and abroad, but in many localities the sky is very cloudy to overcast, with a dull, threatening appearance. Rain is falling locally in Ireland and Scotland, at Skudesnaes and the Faeröe, snow in the east of Iceland. A rough or high sea is running on many parts of our western coasts.

Tuesday 31st December 1912.

[illegible]

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.	In.					Hr.		In.					Hr.
{ Oban						{ Ramsgate	48	39			
{ Stonehaven						{ Margate	48	41	b	b	
{ St. Andrews	43	36	o	o.c	0.0	{ Deal	47	40	b.c	b	
{ Carnoustie						{ Littlestone					
{ Harrogate	0.10	44	40	o.c.b	b.b.c.o	1.0	{ Folkestone	49	41	b.c.b	b	
{ Scarborough		47	40	c.b	c.b	5.0	{ Hastings	51	42	b	b	
{ Blackpool	0.04	47	40	o	o	0.0	{ Bexhill-on-Sea	49	44	b	b	
{ Southport	0.04	47	44	b.c.b.o	o.b.c.o	0.2	{ Eastbourne	48	45	b.b.c	b.c.b	
{ Buxton	0.05	43	38	b.c.r	b.c	2.4	{ Seaford	49	46	b	b	
{ Douglas						{ Brighton	49	44	b.c.b	b.c.b	
{ Rhyl	-	48	40			0.8	{ Worthing	49	42	b	b	
{ Colwyn Bay	-	49	43	b.c.b	b.c	0.5	{ Southsea	50	44	b.	b	
{ Llandudno	0.01	49	43	c.b	b.c.o	0.6	{ Littlehampton					
{ Bettws y-Coed							{ Bournemouth	50	42	b.b.c	b.b.c	
{ Aberystwyth	0.04	49	44	r.o.c	c.b.o	0.2	{ Weymouth	51	45	b.c	b.b.c	
{ Walton-on-the-Naze	-	46	41	b	b.b.c	3.2	{ Teignmouth	51	40	b.c.b	b	
{ Lowestoft	-	46	41	b.c.b	b	5.7	{ Torquay	0.01	51	42	b.c	b.c	
{ Felixstowe	-	47	40	b.c.m	b.m	6.1	{ Paignton		56	41	b.c	b.c	
{ Southend-on-Sea	-	46	40	o.b.c.b	b.c.b	4.0	{ Weston-super-Mare	0.04	48	42	p.b.c	b	
							{ Ilfracombe	0.07	50	44	b.c.p	b.c	

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.	Trace.	In Screen.		Min. on Grass.	Night.		Fore-noon.	After-noon.															
			Max.	Min.											Max.	Min.																				
					24 HOURS ENDED 9 A.M. TO-DAY.																															
					24 HOURS ENDED 6 P.M. YESTERDAY.																															
Greenwich (Royal Obsy.) ...	77	75	47	40	32	-	b. bc	b. bc	bc c-o	5.3	Dublin to 4 p.m.	-	49	40	37	bc	bc o	c-o																		
City (Runhill Row) ...	"	"	"	"	"	"	"	"	"	0.6	Plymouth to 9 p.m.	0.01	52	43	?	bc	bc g	p bc g																		
Westminster (St. James's Pk.)	74	71	49	41	36	-	bc	bc	bc	3.2	Darwen	"	43	40	36	atm	bc	on																		
Camden Sq. (Brit. Rainfall)	81	76	48	40	34	-	b	b	bc	3.4	Manchester	"	"	"	"	"	"	"																		
Hampstead (Reservoir) ...	"	75	46	39	30	-	bc	bc	o c	5.0	Birmingham	"	45	38	30	c	o	o																		
24 HOURS ENDED 6 P.M. YESTERDAY.																																				
South Kensington ...	"	"	47	41	32	-	b. bc	bc b	b	4																										
" " (Roof of M.O.)	"	72	48	41	"	"	b. bc	bc b	b	3.3																										

NOTES ON YESTERDAY'S WEATHER.

31 Dec. 1912 & 1 Jan. 1913.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	... ..	8.0 8.6	11.56 11.57	3.46 3.48
Greenwich	.. ..	8.8 8.8	12.3 12.4	3.58 4.0
Wick	... ..	9.5 9.5	12.15 12.16	3.25 3.27
Valencia	... ..	8.51 8.51	12.44 12.45	4.37 4.38

During yesterday temperature rose to between 50° and 53° in many parts of this country. Rain fell over the northern and western districts, exceeding $\frac{1}{2}$ in. at Blackhead Point and Stromoway. Southern England had up to 6 hours of bright sun, in other districts little or none. During the night a southerly to south-westerly gale has been felt on various coasts, a strong gale round the north of Ireland, squalls at the rate of 46 miles per hour at Aberdeen. As far west as the 20th meridian ships experienced southerly and south-westerly strong to high 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; 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.

ADDITIONS AND CORRECTIONS
TO THE
DAILY WEATHER REPORT.

=====

DECEMBER, 1912.

=====

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.					Sun- shine for Yester- day. Hours.
		Barom. At 32° Fabr. and M.S.L. Lat. 45°.	Temp. Dry Bulb.	Wind. Direc.	Force (0 to 12).	Weather.	Barometer. At 32° Fabr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Temp. Dry Bulb.	Change since Yester- day.	Wind. Direc.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	Temp.		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.		
2nd.	Haparaunda.	29.87	30	SE	4	o	29.88	+.01	38	+9	ESE	4	o	1	in	21	23					
	Hermosand.	29.87	35	SE	8	r	29.88	+.01	35	-1	SE	2	o	1	0.02	21	22					
3rd.	P. Delgada.	30.22	64	SSW	5	b	30.16	-.06	63	+1	SSW	5	o	1	0.01	63	61					
4th.	Corunna.	30.24	57	SSW	5	b	30.08	-.04	65	+2	SSW	5	o	1	0.01	65	63					
5th.	P. Delgada.	30.19	57	WNW	5	b	30.26	+.07	54	-11	WNW	1	o	1	0.01	54	52					
	Lyons.	30.42	30	NW	1	b	30.27	-.15	27	-6	SSW	1	o	1	0.01	27	25					
	Sanguinaire.	30.11	50	E	8	m	30.12	+.01	49	-3	ESE	2	o	1	0.01	49	47					
	Corunna.	30.08	57	S	3	b	30.04	-.04	52	+9	SW	3	o	1	0.01	52	50					
	P. Delgada.	30.26	56	WNW	3	b	30.15	-.11	62	-8	W	3	o	1	0.01	62	60					
	Funchal.	30.18	62	NW	2	b	30.13	-.05	62	-1	W	3	o	1	0.01	62	60					
6th.	Funchal.	30.00	43	SW	5	b	29.98	-.02	37	-7	S	4	o	1	0.01	37	35					
	Lisbon.	30.16	53	-	0	b	30.21	+.05	44	-9	WNW	3	o	1	0.01	44	42					
	Gibraltar.	30.29	57	E	1	b	30.29	+.00	57	+1	E	2	o	1	0.01	57	55					
	P. Delgada.	30.13	58	NW	2	b	30.29	+.16	63	+1	SW	5	o	1	0.01	63	61					
7th.	Corunna.	30.07	55	SSW	3	b	30.08	+.01	55	+1	SSE	1	o	1	0.01	55	53					
	P. Delgada.	30.03	60	WNW	4	b	30.12	+.09	58	-5	WNW	4	o	1	0.01	58	56					
8th.	Christiansund.	29.97	43	-	0	b	30.00	+.03	48	-5	S	1	o	1	0.01	48	46					
	Berlin.	30.31	35	S	1	b	30.36	+.05	33	+3	S	1	o	1	0.01	33	31					
9th.	Sanguinaire.	30.27	60	E	2	m	30.26	-.01	48	-8	ESE	2	o	1	0.01	48	46					
	P. Delgada.	30.36	62	SW	5	b	30.33	-.03	63	+6	WSW	5	o	1	0.01	63	61					
10th.	Castellbay.	29.95	47	W	5	op	29.94	-.01	41	-6	W	3	o	1	0.01	41	39					
	P. Delgada.	30.34	64	SSW	4	op	30.37	+.03	63	0	W	3	o	1	0.01	63	61					
11th.	Castellbay.	29.68	47	SSW	5	op	29.97	-.15	52	+11	SSW	7	o	1	0.01	52	50					
	Berlin.	30.05	37	SW	2	b	29.99	-.06	40	+10	W	2	o	1	0.01	40	38					
	Corunna.	30.26	55	SSE	3	b	30.27	+.01	53	0	SSE	3	o	1	0.01	53	51					
	Lisbon.	30.32	56	NNE	2	b	30.36	+.04	45	0	NNE	3	o	1	0.01	45	43					
	P. Delgada.	30.42	61	WNW	4	b	30.39	-.03	63	0	NNE	3	o	1	0.01	63	61					
12th.	Castellbay.	29.42	41	WNW	4	b	29.26	-.16	44	-18	WNW	5	o	1	0.01	44	42					
	Lyons.	29.91	53	SSW	5	b	29.92	+.01	47	-3	W	3	o	1	0.01	47	45					
	Corunna.	30.22	57	S	3	b	30.27	+.05	63	0	W	3	o	1	0.01	63	61					
	P. Delgada.	30.63	58	NNE	1	b	30.58	+.05	53	-5	NNE	1	o	1	0.01	53	51					
	Funchal.	30.24	64	-	0	b	30.21	-.03	63	+2	SSW	5	o	1	0.01	63	61					
13th.	Castellbay.	30.30	44	WSW	5	b	30.23	-.07	49	+5	SSW	6	o	1	0.01	49	47					
	Karlsbad.	29.43	39	SSW	4	b	29.59	+.16	37	+4	SW	2	o	1	0.01	37	35					
	Lyons.	30.23	45	WNW	2	b	30.25	+.02	43	+1	WSW	4	o	1	0.01	43	41					
	P. Delgada.	30.62	57	NNE	3	b	30.55	-.02	58	+3	SSW	4	o	1	0.01	58	56					
14th.	Castellbay.	29.23	43	SSW	4	b	29.24	+.01	31	-12	W	6	o	1	0.01	31	29					
	Blackhead Point.	29.08	42	SW	1	b	29.01	-.07	31	-11	SSW	7	o	1	0.01	31	29					
	Berlin.	30.50	48	ENE	2	b	29.57	-.03	43	+2	S	4	o	1	0.01	43	41					
	Corunna.	30.54	51	SSW	4	b	30.52	-.02	44	+1	S	3	o	1	0.01	44	42					
	P. Delgada.	30.29	60	-	0	b	30.38	+.09	59	+1	S	3	o	1	0.01	59	57					
	Funchal.	30.50	58	NNE	3	b	30.46	-.04	57	-2	NNE	3	o	1	0.01	57	55					
15th.	Castellbay.	29.56	39	W	4	op	29.57	+.01	46	-3	WNW	5	o	1	0.01	46	44					
16th.	P. Delgada.	30.42	57	NE	4	b	30.24	-.18	55	-2	NNE	3	o	1	0.01	55	53					
	Stornoway.	29.51	41	-	0	op	29.48	-.03	36	0	W	4	o	1	0.01	36	34					
17th.	Castellbay.	29.51	41	-	0	op	29.48	-.03	36	0	W	4	o	1	0.01	36	34					
	Corunna.	30.31	54	SSE	2	b	30.19	-.12	48	+3	S	3	o	1	0.01	48	46					
	P. Delgada.	30.36	60	WSW	4	b	30.35	-.01	62	+7	W	5	o	1	0.01	62	60					
18th.	Castellbay.	29.38	41	W	4	b	29.29	-.09	38	-2	W	3	o	1	0.01	38	36					
	Lisbon.	30.13	44	-	0	b	30.04	-.09	38	-1	NNE	4	o	1	0.01	38	36					
	P. Delgada.	30.21	58	WNW	4	b	30.17	-.04	54	-8	N	4	o	1	0.01	54	52					
19th.	Funchal.	30.21	58	NE	4	b	30.15	-.06	54	-8	N	4	o	1	0.01	54	52					
	Castellbay.	29.42	38	WNW	3	op	29.17	-.25	39	+2	NE	2	o	1	0.01	39	37					
	Corunna.	29.45	34	WNW	6	op	29.04	-.41	32	-2	SSE	3	o	1	0.01	32	30					
20th.	P. Delgada.	29.47	63	SW	6	op	29.73	+.26	60	+6	WSW	5	o	1	0.01	60	58					
	Castellbay.	29.08	51	SSW	6	op	29.36	+.28	49	0	SSW	3	o	1	0.01	49	47					
	Blackhead Point.	29.13	52	S	6	op	29.12	+.01	39	0	SSE	1	o	1	0.01	39	37					
	Brussells.	30.04	40	SSW	6	op	30.12	+.08	37	-2	S	1	o	1	0.01	37	35					
	Gibraltar.	29.17	58	E	2	b	29.12	-.05	57	+3	E	3	o	1	0.01	57	55					
21st.	P. Delgada.	29.65	52	WNW	5	b	29.66	+.01	50	-10	WNW	5	o	1	0.01	50	48					
	Castellbay.	29.52	50	SW	5	op	29.45	-.07	48	-1	WSW	3	o	1	0.01	48	46					

REPORTS FOR DECEMBER, 1912.

2.—CORRECTIONS.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day. Hours.
		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.		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.	Aftern'n. 1 p.m. to 6 p.m.	
1st.	Valencia	In. 29.89	.	.	.	.	In.	In.	.	.	.	.	.	.	In.	.	.	.	.	.	.	.
"	Nerquay	.	.	.	.	.	29.83	.	.	.	.	.	.	.	.	.	.	34	.	.	.	.
"	Portland	.	.	.	.	.	29.85	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2nd.	Naim	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Nerquay	.	49	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	cpq. 1	.
"	Dover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Yarmouth	.	.	.	.	.	29.62	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	South	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3rd.	Corunna	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4th.	Naim	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Portland Bill	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Berlin	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5th.	Pembroke	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6th.	Portland Bill	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7th.	Lewick	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Blackhead Point	29.98	.	.	.	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Dover	29.85	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8th.	Wick	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Portland Bill	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9th.	Cableway	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Blackhead	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Yarmouth	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10th.	London (Kew)	.	.	.	.	.	30.20	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Portland Bill	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Clacton-on-Sea	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	London (Kew)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11th.	Belfort	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Stornoway	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Blackhead Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Lewick	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Spurn Head	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12th.	London (Kew)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Dover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
13th.	Lisbon	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14th.	Yarmouth	.	42	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Nerquay	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
15th.	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
16th.	Stornoway	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Dover	.	.	.	.	.	29.94	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Clacton-on-Sea	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17th.	London (Kew)	30.01	.	.	.	.	28.82	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Haparanda	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Portland	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
18th.	Haparanda	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Pembroke	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Nerquay	.	48	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Dover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
19th.	Spurn Head	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Stornoway	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Pembroke	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Lisbon	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
20th.	Nice	30.10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Pembroke	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Nerquay	.	52	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Abendstern	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Clacton-on-Sea	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
21st.	Wishy	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Portland Bill	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
22nd.	Clacton-on-Sea	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Malin Head	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Scilly	.	.	.	.	.	29.46	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23rd.	Frankfurt	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Pembroke	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
24th.	Dover	29.96	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Gushaven	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
25th.	La Hève	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Malin Head	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Blackhead Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
26th.	Donaghadee	29.22	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Stockholm	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Scilly	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Jersey	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Naim	29.25	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
27th.	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
28th.	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Blackhead Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Yarmouth	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
29th.	Nerquay	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
30th.	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
31st.	Karlstad	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Roches Point	29.95
"	Nerquay
"	Dungeness	.	49												

For information relating to gales see last page.

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ADDITIONS.																						CORRECTIONS.																					
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.	Direc.	Force.			Lat. N.	Long. W.	Reading.	Change in 3 hours.				Direc.	Force.																											
		In.	In.		(0-12).																																						
ADDITIONS.																						CORRECTIONS.																					
2nd	1st Jan.	49	21	Menominee	H	29.80	+ .02	w	7	b	1st	3oth Gpm		Montreal		29.90	+ .05																				
											"	" Jam		Columbia		"	.	E	2	b																							
											"	" Gpm		Minnetonka		"																					
											2nd	1st Jam		Marquette		29.64																					
											3rd	2nd " Gpm		do.		29.98																					
											5th	4th Gpm		Arabic		29.77																					
											6th	6th Jam		{ Empress of Ireland }		29.39																					
											"	5th "		Arabic		29.58																					
											"	" Gpm		Empress of do		29.33																					
											"	" Jam		do do		29.30																					
											8th	7th Gpm		Mount Temple		29.59	+ .17																					
											"	" Jam		do do		29.12	+ .22																					
											9th	8th Gpm		do do		29.99																					
											"	" Jam		Mesaba		"																					
											13th	13th "		21 Montfort		"	- .02	SSw	7			.																					
											"	12th Gpm		Lake Michigan		"																					
											14th	13th "		Celtic		29.85																					
											16th	15th Jam		Victorian		"																					
											17th	16th Gpm		Dominion		"																					
											19th	19th Jam		Minneapolis		30.18																					
											"	18th Gpm		Cedric		28.94																					
											"	" Jam		do		29.15																					
											20th	19th Gpm		Menominee		- .26																					
											22nd	21st "		Lapland		- .17																					
											"	" Gpm		Oceanic		29.15	+ .03																					
											"	" Jam		Montezuma		- .01																					
											"	" "		Caledonia		+ .08																					
											"	" Gpm		Corsican		"																					
											"	" Jam		Minnetonka		- .01																					
											"	" "		do		29.82	+ .06																					
											23rd	22nd Gpm		Saxonia		+ .17																					
											"	" Jam		do		"																					
											24th	23rd Gpm		do		"																					
											25th	24th "		do		"																					
											26th	25th 8am		H. M. S.		30.24																					
											28th	27th 8am		H. M. S.		29.91																					
											29th	27th Gpm		Oceanic		"																					
											30th	28th "		Marquette		30.09																					
											31st	" Jam		do		29.99																					
											30th	29th Gpm		Lusitania		30.10																					
											31st	30th Gpm		Marquette		30.16																					
											"	" Jam		do		30.11	- .07																					
GALES.																																											
Duration and Extreme Force on British Coasts.																																											
Additions.																																											
12th	Castlebay	11am-7pm	Extreme W.S.W. 9.																																								
14th	Blackod Point	7am-3am	do. S.S.W. 8.																																								
	Castlebay	7pm-1am	do. S.W. 9.																																								
15th	do	3am-7am	do. W.S.W. 9.																																								
16th	do	7am-10am	do. W.S.W. 9.																																								
17th	Stornoway	Squalls force 8 in night.																																									
20th	Blackod Point	7am-10pm	Extreme. S. 9.																																								
	Aberdeen	5pm	Squall do. S.W. 9 (47 mph)																																								
27th	Scilly	10am-2pm	do. W. 11																																								
			gusts 88 mph (12)																																								
"	Portland	7am-10pm	Extreme S.W. 11																																								
31st	Castlebay	force 9 at times since 8am.																																									
Corrections.																																											
25th	Donaghadee	9am-10pm.																																									