

**METEOROLOGICAL OFFICE.**

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**DAILY WEATHER REPORTS.**

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**1ST JANUARY TO 30TH JUNE, 1903.**



# DAILY WEATHER REPORT.

January to June 1903.





# SUPPLEMENT TO THE DAILY WEATHER REPORT.

## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE SIX MONTHS, JANUARY TO JUNE.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871-1900.	TEMPERATURE OF AIR. 1871-1900.								RAINFALL.		BRIGHT SUNSHINE.	
		Means of				Absolute Extremes.				Means for		Means, 1881-1900.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Date.	Minimum.	Date.	Days with Rain.	Total Fall.	Average Duration.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°			(Inches.)	(Hours.)	
Sumburgh Head ....	29.802	39.5	28.1	42.6	35.3	52	1898	19	1881	26	3.85	—	—
Stornoway .....	29.799	39.3	28.4	43.1	34.2	55	1890	11	1881	25	4.87	29.7	14
Malin Head .....	29.811	40.9	39.4	45.1	37.8	[55]*	[1898]	[23]*	[1894]	[22]*	[2.44]*	—	—
Blackod Point .....	29.849	42.5	41.2	48.5	38.8	[56]*	[1890]	[25]*	[1894]	[20]*	[4.75]*	—	—
Valencia .....	29.912	44.2	42.7	49.1	39.9	56	1878, 78	20	1894	24	6.10	54.5	22
Roche's Point .....	29.929	43.0	41.7	47.5	39.2	57	1899	20	1894	20	5.14	—	—
Parsonstown .....	29.913	38.5	37.5	45.2	33.9	57	1890, 98	6	1881, 94	20	2.91	62.0	21
Donaghadee .....	29.872	40.0	39.1	44.5	36.0	59	1898	14	1881	20	2.80	—	—
Liverpool .....	29.934	38.4	36.8	43.3	35.0	58	1898	9	1881	17	2.20	—	—
Holyhead .....	29.915	41.6	40.2	45.3	38.4	55	1878	20	1894	19	3.23	—	—
Pembroke .....	29.949	42.6	41.1	45.4	39.3	53	1899	19	1881, 94	20	3.71	54.1	22
Scilly .....	29.972	46.3	44.6	48.8	42.5	57	1899	26	1894	31	3.59	—	—
Jersey .....	30.026	42.0	40.4	46.0	38.3	57	1877, 99	12	1897	19	3.16	66.9	25
Portland Bill † .....	[29.938]	[44.0]	[42.7]	[46.9]	[39.9]	—	—	—	—	[19]	[4.22]	—	—
Dungeness .....	30.002	38.8	37.9	43.3	35.1	55	1878, 98	11	1893	17	1.87	—	—
Wick .....	29.732	38.1	36.8	42.3	33.1	60	1898	— 4	1881	20	2.26	—	—
Nairn .....	29.763	37.1	35.6	42.3	32.2	59	1887	5	1881, 1895	17	2.03	—	—
Aberdeen .....	29.804	37.0	35.3	42.1	33.0	59	1898	4	1881	18	2.36	52.1	23
Leith .....	29.837	38.4	37.0	44.1	33.6	59	1898	9	1881	15	1.75	—	—
North Shields .....	29.885	38.1	36.8	43.0	33.8	63	1890, 98	6	1881	15	1.73	—	—
Spurn Head .....	29.925	37.6	36.7	41.6	34.4	[55]*	[1898]	[13]*	[1881]	15	1.39	—	—
Yarmouth .....	29.970	37.3	36.4	41.3	33.3	57	1899	10	1881	18	1.80	—	—
Loughborough .....	29.971	36.1	35.1	42.8	32.1	[59]*	[1898]	[2]*	[1881]	17	2.04	—	—
Oxford .....	30.001	38.9	35.8	42.9	33.3	60	1877, 99	7	1881	17	2.08	40.4	18
LONDON .....	30.004	37.5	36.4	43.8	33.6	63	1876	9	1881	16	2.01	18.4†	7†
Sumburgh Head ....	29.759	33.6	37.2	42.2	34.4	51	1887, 91	17	1895	21	3.09	—	—
Stornoway .....	29.766	33.0	38.0	43.8	34.2	55	1891	12	1892	21	3.84	62.8	24
Malin Head .....	29.834	41.1	39.6	45.4	36.3	[59]*	[1891]	[20]*	[1895]	[17]*	[2.96]*	—	—
Blackod Point .....	29.863	42.5	40.9	47.3	36.8	[61]*	[1891]	[23]*	[1895]	[20]*	[3.54]*	—	—
Valencia .....	29.912	44.5	42.7	49.5	40.4	58	1891	22	1895	21	4.94	73.5	27
Roche's Point .....	29.924	43.1	41.6	48.3	39.8	56	1877, 89, 96	25	1895, 1900	17	4.09	—	—
Parsonstown .....	29.909	39.1	37.8	49.9	35.0	59	1891	6	1895	16	2.12	68.0	25
Donaghadee .....	29.888	40.1	39.2	46.6	36.5	57	1897	16	1895	17	2.83	—	—
Liverpool .....	29.938	38.6	37.0	44.5	35.7	62	1878	12	1895	15	1.71	—	—
Holyhead .....	29.920	41.3	39.9	45.5	38.3	59	1891	17	1895	16	2.47	—	—
Pembroke .....	29.944	42.0	40.8	45.5	39.2	53	1899	23	1895	17	2.68	77.6	28
Scilly .....	29.958	46.0	44.3	49.0	42.5	57	1898, 99	27	1895	18	2.65	—	—
Jersey .....	30.015	42.4	40.9	47.2	39.0	62	1891	18	1895	17	2.42	94.3	33
Portland Bill † .....	[29.955]	[39.0]	[38.5]	[43.8]	[35.1]	—	—	—	—	[19]	[4.30]	—	—
Dungeness .....	29.986	39.1	38.0	44.5	35.6	57	1897	11	1899	15	1.37	—	—
Wick .....	29.787	37.7	36.4	43.0	32.8	59	1878	9	1895	17	2.06	—	—
Nairn .....	29.806	36.6	35.0	43.6	32.1	64	1891	0 (Zero)	1895, 97	14	1.60	—	—
Aberdeen .....	29.845	38.9	35.1	43.2	33.2	64	1897	6	1895	17	2.20	75.2	29
Leith .....	29.866	38.2	36.8	45.0	33.9	59	1882	12	1895	18	1.46	—	—
North Shields .....	29.901	38.3	36.9	44.1	34.4	60	1898, 99	7	1896	14	1.50	—	—
Spurn Head .....	29.932	38.2	37.3	42.5	35.5	[61]*	[1899]	[20]*	[1895]	15	1.85	—	—
Yarmouth .....	29.962	38.0	37.0	42.5	34.1	58	1872, 98	15	1895	15	1.70	—	—
Loughborough .....	29.967	36.6	35.5	45.4	33.0	[64]*	[1891]	[— 5]*	[1895]	13	1.75	—	—
Oxford .....	29.991	37.4	36.3	45.2	34.3	64	1891	7	1895	14	1.80	66.1	25
LONDON .....	29.994	38.3	37.0	45.8	34.7	66	1899	10	1895	14	1.69	32.8†	12†
Sumburgh Head ....	29.731	38.5	37.0	42.8	34.1	57	1893	18	1879	23	2.88	—	—
Stornoway .....	29.767	39.2	38.2	45.0	34.2	58	1872	13	1881	23	3.48	103.9	29
Malin Head .....	29.834	41.1	39.5	46.4	36.5	[62]*	[1891]	[26]*	[1890]	[19]*	[2.06]*	—	—
Blackod Point .....	29.889	43.3	41.4	48.4	39.1	[64]*	[1894, 99]	[26]*	[1891, 1900]	[23]*	[3.47]*	—	—
Valencia .....	29.927	44.8	42.7	50.9	40.1	66	1899	26	1899	20	3.92	132.3	36
Roche's Point .....	29.930	43.4	41.5	49.7	39.6	61	1899	27	1890	14	3.26	—	—
Parsonstown .....	29.920	39.9	38.5	49.8	34.8	66	1894	18	1891	16	2.23	110.8	30
Donaghadee .....	29.876	40.8	39.6	47.5	37.0	65	1874	25	1892	18	1.96	—	—
Liverpool .....	29.904	40.3	38.2	47.1	36.8	66	1871	21	1886	15	1.67	—	—
Holyhead .....	29.901	42.1	40.5	47.3	38.8	67	1894	27	1881	16	2.22	—	—
Pembroke .....	29.926	42.2	40.6	46.6	39.1	58	1872, 99	26	1883, 90, 91	17	2.24	135.2	37
Scilly .....	29.942	46.1	44.2	49.7	42.3	59	1893	30	1890	18	2.26	—	—
Jersey .....	29.963	44.2	42.1	49.8	40.0	66	1871, 93, 94	21	1890	16	2.20	154.0	42
Portland Bill † .....	[30.005]	[39.2]	[37.5]	[45.4]	[34.4]	—	—	—	—	[12]	[1.03]	—	—
Dungeness .....	29.927	40.8	39.3	46.7	36.0	69	1894, 96	13	1890	14	1.38	—	—
Wick .....	29.770	39.0	37.4	45.0	33.9	62	1894	10	1900	20	2.05	—	—
Nairn .....	29.795	38.1	36.3	46.1	33.3	65	1884	6	1892	17	1.72	—	—
Aberdeen .....	29.813	38.8	36.5	45.8	34.3	66	1889, 91, 92	10	1889	19	2.28	121.6	38
Leith .....	29.840	39.4	37.6	48.0	34.5	68	1884	19	1879, 81, 89	15	1.42	—	—
North Shields .....	29.863	39.3	37.7	46.3	34.8	64	1884, 93	15	1889	15	1.74	—	—
Spurn Head .....	29.880	39.8	38.5	45.0	36.5	[62]*	[1890, 93]	[24]*	[1880]	14	1.24	—	—
Yarmouth .....	29.904	40.2	38.6	45.3	35.3	62	1884, 89	18	1892	15	1.62	—	—
Loughborough .....	29.922	38.4	36.8	49.7	33.8	[64]*	[1884, 93]	[16]*	[1883]	13	1.47	116.8	32
Oxford .....	29.944	38.8	37.3	49.3	34.6	67	1884, 93	15	1891	13	1.49	68.9†	19†
LONDON .....	29.942	40.1	38.1	50.1	35.3	71	1871	15	1890	13	1.49	—	—

\* These values are from observations made during the following periods:—Spurn Head and Loughborough, 20 years, 1881-1900; Malin Head and Blackod Point (Belmullet), 15 years, 1886-1900.  
† The Sunshine values are for Westminster. ‡ The values for Portland Bill are for one year only—1900.



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

(CONTINUED).

APRIL.

MAY.

JUNE.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871-1900.	TEMPERATURE OF AIR. 1871-1900.								RAINFALL.		BRIGHT SUNSHINE.	
		Means of				Absolute Extremes.				Means for		Means, 1881-1900.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Date.	Minimum.	Date.	1871- 1900.	1886-1900.	Average Duration.	Per cent. of possible.
Sumburgh Head....	(Inches.) 29° 845	42° 1	40° 3	46° 2	36° 9	56	1900	21	1899	17	2° 06	(Hours.) —	—
Stornoway.....	29° 833	43° 8	42° 3	49° 2	37° 2	67	1893	20	1881	18	2° 51	156° 7	37
Malin Head.....	29° 850	44° 4	42° 6	50° 0	41° 7	[67]*	[1900]	[31]*	[1892]	[17]*	[1° 80]*	—	—
Blacksod Point....	29° 867	46° 7	44° 5	52° 2	42° 6	[71]*	[1893]	[29]*	[1892, 97]	[19]*	[2° 81]*	—	—
Valencia.....	29° 883	48° 6	46° 0	54° 2	43° 1	70	1892	30	1879, 92, 97, 98	18	3° 78	163° 9	40
Roche's Point.....	29° 887	47° 2	45° 0	53° 8	42° 7	72	1893	31	1892	15	3° 10	—	—
Parsonstown.....	29° 890	45° 3	42° 9	54° 9	38° 5	73	1893	21	1892	15	2° 14	151° 1	36
Donaghadee.....	29° 884	45° 0	43° 4	51° 4	40° 5	65	1900	29	1898	15	1° 94	—	—
Liverpool.....	29° 896	45° 3	42° 3	52° 9	40° 6	75	1893	29	1881	14	1° 57	—	—
Holyhead.....	29° 887	46° 1	44° 1	51° 7	42° 1	75	1874, 93	31	1881, 92	14	1° 92	—	—
Pembroke.....	29° 887	45° 7	44° 0	50° 7	42° 3	70	1893	30	1879, 81	15	1° 93	179° 6	44
Scilly.....	29° 888	49° 0	47° 0	52° 6	45° 0	66	1893	32	1876	16	2° 12	—	—
Jersey.....	29° 912	49° 1	46° 3	54° 8	43° 8	84	1874	32	1871, 76, 92, 1900	14	2° 01	193° 8	47
Portland Bill†.....	[30° 087]	[46° 5]	[44° 6]	[51° 8]	[41° 0]	—	—	—	—	[13]	[0° 94]	—	—
Dungeness.....	29° 894	46° 5	44° 3	51° 6	41° 3	69	1873	25	1892	13	1° 37	—	—
Wick.....	29° 853	43° 4	41° 6	49° 4	37° 2	69	1875, 1900	23	1892	16	1° 65	—	—
Nairn.....	29° 857	43° 3	40° 9	51° 6	36° 8	72	1875	21	1892	15	1° 31	—	—
Aberdeen.....	29° 876	43° 7	40° 9	49° 8	38° 0	74	1900	23	1881, 92	17	2° 05	153° 3	36
Leith.....	29° 880	44° 5	41° 9	52° 5	38° 0	75	1875	23	1881	13	1° 44	—	—
North Shields.....	29° 888	43° 8	41° 7	49° 7	38° 5	71	1892	25	1892	14	1° 64	—	—
Spurn Head.....	29° 888	44° 3	42° 5	48° 9	40° 4	[67]*	[1885]	[30]*	[1881, 89]	13	1° 32	—	—
Yarmouth.....	29° 897	44° 9	43° 0	49° 5	40° 0	72	1885	25	1878	15	1° 62	—	—
Loughborough.....	29° 910	44° 1	41° 9	55° 7	37° 8	[81]*	[1893]	[23]*	[1891, 92, 1900]	14	1° 69	—	—
Oxford.....	29° 916	44° 6	42° 3	55° 3	38° 9	80	1893	23	1892	14	1° 61	149° 9	36
LONDON.....	29° 911	46° 3	43° 3	56° 6	39° 9	82	1893	27	1873, 84, 87, 92, 1900	13	1° 65	109° 8†	27†
Sumburgh Head....	29° 896	46° 0	44° 0	50° 2	40° 3	63	1895	27	1877	17	1° 81	—	—
Stornoway.....	29° 904	48° 4	46° 4	53° 5	41° 0	72	1882, 96	27	1876, 77	18	2° 43	189° 7	37
Malin Head.....	29° 927	48° 9	46° 6	54° 2	45° 5	[70]*	[1895]	[35]*	[1886, 91, 97]	[16]*	[2° 14]*	—	—
Blacksod Point....	29° 954	51° 2	48° 3	55° 8	48° 1	[75]*	[1890]	[36]*	[1894]	[18]*	[2° 81]*	—	—
Valencia.....	29° 976	53° 0	49° 7	58° 2	46° 3	74	1884, 95, 97	34	1877, 85, 96	16	3° 02	210° 7	44
Roche's Point.....	29° 975	52° 0	49° 2	58° 6	46° 4	73	1896	36	1879, 86	13	2° 93	—	—
Parsonstown.....	29° 972	51° 0	47° 9	59° 8	42° 8	77	1881, 95	28	1874, 77	15	2° 27	185° 0	38
Donaghadee.....	29° 962	49° 8	47° 6	56° 2	44° 5	70	1896	30	1873	15	2° 19	—	—
Liverpool.....	29° 973	50° 9	47° 0	58° 1	45° 0	80	1895	30	1883	14	1° 86	—	—
Holyhead.....	29° 970	50° 7	48° 1	56° 2	46° 0	74	1895	37	1894	13	1° 84	—	—
Pembroke.....	29° 974	50° 2	48° 1	55° 2	46° 1	72	1890	34	1879	14	1° 96	223° 9	46
Scilly.....	29° 980	52° 8	50° 4	56° 6	48° 4	67	1896	38	1883	13	1° 67	—	—
Jersey.....	29° 997	53° 8	50° 5	59° 7	47° 5	79	1875	33	1871	12	1° 89	240° 4	53
Portland Bill†.....	[29° 984]	[50° 1]	[48° 4]	[56° 1]	[44° 3]	—	—	—	—	[10]	[1° 21]	—	—
Dungeness.....	29° 972	52° 3	49° 4	57° 3	46° 2	76	1892	30	1892	12	1° 35	—	—
Wick.....	29° 916	48° 2	45° 8	53° 9	40° 8	71	1891	24	1876	17	1° 83	—	—
Nairn.....	29° 922	48° 8	45° 8	56° 6	41° 5	78	1888	26	1894	15	1° 66	—	—
Aberdeen.....	29° 936	49° 0	45° 4	54° 8	41° 8	74	1881	29	1884, 91	16	2° 02	191° 0	38
Leith.....	29° 946	50° 2	46° 7	57° 8	42° 4	81	1881	27	1883	14	1° 67	—	—
North Shields.....	29° 955	48° 9	46° 0	54° 5	42° 6	72	1896	29	1871, 91	14	1° 66	—	—
Spurn Head.....	29° 961	49° 4	47° 3	54° 3	45° 0	[75]*	[1883]	[34]*	[1891]	13	1° 58	—	—
Yarmouth.....	29° 969	50° 5	48° 0	55° 2	44° 8	76	1875	32	1891, 92	13	1° 78	—	—
Loughborough.....	29° 984	50° 8	47° 4	61° 6	42° 4	[83]*	[1881, 95]	[25]*	[1892]	14	2° 02	—	—
Oxford.....	29° 991	50° 7	47° 5	60° 9	43° 5	83	1895	28	1877	13	1° 75	196° 3	41
LONDON.....	29° 989	52° 6	48° 4	62° 6	44° 5	86	1880	29	1877, 86, 92	12	1° 69	164° 8†	35†
Sumburgh Head....	29° 903	50° 4	48° 7	54° 5	45° 1	70	1891	33	1888	15	1° 88	—	—
Stornoway.....	29° 898	53° 5	51° 5	58° 5	46° 2	76	1893	31	1888	16	2° 42	183° 7	34
Malin Head.....	29° 934	53° 8	51° 6	59° 1	50° 8	[75]*	[1887, 91, 95]	[40]*	[1888]	[15]*	[2° 21]*	—	—
Blacksod Point....	29° 955	56° 4	53° 4	60° 9	51° 3	[82]*	[1887]	[40]*	[1894]	[17]*	[2° 69]*	—	—
Valencia.....	29° 985	57° 6	54° 6	62° 5	51° 3	81	1887	40	1875, 80, 82	17	3° 36	197° 6	40
Roche's Point.....	29° 986	57° 2	54° 1	64° 2	51° 6	80	1876, 87	41	1881	13	3° 02	—	—
Parsonstown.....	29° 981	56° 4	53° 2	65° 1	48° 8	85	1887	32	1881	15	2° 43	170° 2	34
Donaghadee.....	29° 961	55° 2	53° 1	61° 6	49° 7	77	1887	36	1880	15	2° 18	—	—
Liverpool.....	29° 977	57° 2	53° 0	64° 2	51° 3	85	1878, 93	38	1872	14	2° 07	—	—
Holyhead.....	29° 977	56° 2	53° 6	61° 8	51° 3	83	1878	42	1882	14	1° 99	—	—
Pembroke.....	29° 985	55° 7	53° 7	60° 8	51° 8	79	1893	38	1888	14	1° 93	233° 6	47
Scilly.....	30° 000	57° 7	55° 5	61° 8	53° 4	75	1893	41	1888	14	1° 76	—	—
Jersey.....	30° 021	59° 2	56° 0	65° 2	53° 1	87	1872	39	1890	12	1° 90	246° 6	51
Portland Bill†.....	[29° 969]	[55° 7]	[54° 3]	[61° 3]	[50° 6]	—	—	—	—	[12]	[2° 67]	—	—
Dungeness.....	29° 988	58° 3	55° 3	63° 2	52° 4	77	1878	37	1890, 91, 92, 93	11	1° 34	—	—
Wick.....	29° 920	53° 3	50° 9	58° 9	45° 7	79	1878	30	1881	14	1° 74	—	—
Nairn.....	29° 920	54° 6	51° 2	62° 4	47° 3	86	1876	30	1888	14	1° 77	—	—
Aberdeen.....	29° 937	54° 8	50° 9	60° 9	47° 3	80	1881, 87	30	1888	14	1° 85	187° 9	36
Leith.....	29° 946	56° 0	52° 4	63° 8	48° 2	86	1887	34	1886	14	1° 87	—	—
North Shields.....	29° 959	54° 9	51° 9	60° 7	48° 6	80	1897	37	1881, 86, 95, 98	13	1° 80	—	—
Spurn Head.....	29° 970	55° 5	53° 2	60° 6	51° 3	[80]*	[1885]	[34]*	[1881]	12	1° 60	—	—
Yarmouth.....	29° 981	57° 0	54° 1	62° 1	51° 1	81	1877, 88	37	1896	13	1° 90	—	—
Loughborough.....	29° 991	57° 8	54° 0	66° 8	49° 0	[86]*	[1893]	[32]*	[1895, 96]	12	2° 15	—	—
Oxford.....	29° 997	57° 1	53° 6	67° 4	50° 1	86	1876, 93	35	1892, 93	12	2° 10	194° 9	40
LONDON.....	30° 001	59° 2	54° 7	69° 5	50° 9	91	1878	35	1880	12	1° 93	164° 9†	34†

\* These values are from observations made during the following periods:—Spurn Head and Loughborough, 20 years, 1881-1900; Malin Head and Blacksod Point (Belmullet), 15 years, 1886-1900.  
† The Sunshine values are for Westminster.  
‡ The values for Portland Bill are for one year only—1900.



# DAILY WEATHER REPORT

for 8 a.m. on SUNDAY 1<sup>ST</sup> MARCH.

1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)						THIS MORNING. (See note on last page.)										PAST 24 HOURS.					
		BAROM.		TEMP.		WIND.		Weather.	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.		
		At 82° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	At 82° Fahr. and M. S. L.	Change since Yester- day.		Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Max.	Min.								
		Ins.	°			Ins.	Ins.		°	°	°												
SCANDINAVIA.	Haparanda ...	29.04	33	E	2	0	29.13	-0.09	28	?	+1	NE	2	c	*	-	34	16	*	-			
	Hernösand ...	28.99	36	Z	0	0	29.33	+4.1	34	31	0	NNW	4	0	*	-	36	32	*	-			
	Stockholm ...	29.16	37	Z	0	0	29.44	+3.2	35	32	-7	W	2	b	*	-	43	32	*	-			
	Wisby ...	29.33	40	S	4	0	29.54	+2.6	35	33	-6	NW	4	b	*	-	41	34	*	-			
	Karlstad ...	29.25	40	SW	2	0	29.56	+6.0	31	29	-7	Z	0	b	*	-	*	*	*	-			
	Färder (X'iania Fjord)	29.28	41	WNW	4	0	29.55	+6.5	36	34	-4	WSW	1	c	1	-	43	35	*	-			
	Bodö ...	29.10	35	E	1	0	29.28	+2.4	30	26	-3	E	2	b	1	-	36	28	*	-			
	Christiansund ...	29.30	37	WSW	4	0	29.44	+6.2	35	34	-4	WSW	3	c	4	-	37	34	*	0.35			
	Skudesnaes ...	29.47	40	NW	2	0	29.52	+4.2	38	37	+1	S	6	0	4	c	41	37	*	*			
	Sumburgh Head ...	29.33	37	WSW	1	0	29.23	+0.4	40	38	+2	S	4	c	4	b, c	43	35	*	0.08			
BRITISH ISLANDS.	Stornoway ...	29.24	39	S	4	+	29.03	-2.7	41	40	+6	S	7	+	7	+	42	32	1.8	0.22			
	Malin Head ...	29.47	38	W	5	cp	29.00	-3.4	40	39	+4	SSW	6	mp	5	0, cp, l	43	36	*	0.06			
	Blacksof Pt. ...	29.53	45	SW	5	bm	29.14	-1.6	40	38	-1	WSW	7	cq, hpm	5	b, bm	45	38	*	0.35			
	Valencia ...	29.68	43	S	6	ohpq	29.37	-1.2	44	37	-1	W	7	cq	6	ohpq	48	40	5.0	0.79			
	Roche's Point ...	29.76	46	W	3	b	29.33	-1.0	42	40	-1	NNW	3	c	2	rs, bc, ag	48	41	*	0.27			
	Parsonstown ...	29.67	40	SW	1	b	29.25	-1.8	37	36	+2	SW	1	omg	*	otsp, b	46	33	3.4	0.54			
	Donaghadee ...	29.57	41	WSW	2	bcp	29.12	-3.0	45	45	+13	SW	6	rgg	6	-	45	35	*	0.16			
	Liverpool Obsy. ...	29.67	42	W	6	cp	29.41	-0.7	41	39	+3	SE	4	0	3	0, cp	47	36	*	0.14			
	Holyhead ...	29.68	42	W	4	bcp	29.26	-2.0	45	45	+10	S	8	+	6	c, bcp, l	46	34	*	0.16			
	Pembroke (St. Ann's) ...	29.79	46	W	6	bc	29.32	-1.3	47	46	+3	S	8	rgu	7	bc, q	48	44	2.5	0.08			
GERMANY, &c.	Scilly (St. Mary's) ...	29.89	48	WSW	7	c	29.40	-0.8	48	47	0	WSW	5	0	6	c	49	43	4.7	0.33			
	Jersey (St. Aubins) ...	29.96	46	W	6	cq, hpm	29.82	+3.8	45	43	0	S	6	c	5	cq, hpm	49	43	1.8	0.28			
	Portland Bill ...	29.82	46	NW	5	bc	29.69	+2.6	46	44	+6	S	5	c	5	c, bc	47	39	*	0.02			
	Dungeness ...	29.77	44	W	5	op	29.87	+5.8	45	43	+3	SSW	6	bc	4	0, op	50	39	*	0.23			
	Wick ...	29.32	40	NW	2	bc	29.15	-1.4	40	39	+6	S	5	ou	3	-	43	33	*	-			
	Nairn ...	29.36	38	SW	1	0	29.13	-2.0	41	40	+6	Z	0	c	1	-	43	33	*	-			
	Aberdeen ...	29.43	40	S	3	0	29.27	-1.0	41	39	+7	SSE	5	og	4	b, o	46	34	4.9	-			
	Leith ...	29.46	40	SW	3	+	29.19	-2.0	44	41	+9	S	3	0	*	-	45	34	*	0.02			
	North Shields ...	29.53	43	SSW	3	0	29.41	-0.3	39	37	+5	SSE	4	c	3	c, omi	46	33	*	-			
	Spurn Head ...	29.61	40	S	3	0	29.61	+1.7	38	37	0	S	5	c	3	-	44	35	*	-			
FRANCE.	Yarmouth ...	29.66	42	W	3	c	29.77	+3.6	39	37	-2	SSW	4	b	3	c	44	37	*	-			
	Loughborough ...	29.84	41	WSW	2	0	29.66	+2.2	43	40	+6	S	4	0	*	op, o	47	36	*	-			
	Oxford ...	29.74	44	WNW	3	c	29.67	+2.9	43	41	+5	SSE	7	ogu	*	edp, a	46	35	0.0	0.07			
	London (Brixton) ...	29.74	44	WNW	3	c	29.67	+2.9	43	41	+5	SSE	7	ogu	*	edp, a	46	35	0.0	0.07			
	The Scaw (Skagen) ...	29.38	39	WNW	3	b	29.59	+5.0	37	36	-4	WNW	2	0	0	-	43	34	*	-			
	Fanö ...	29.61	38	W	2	b	29.75	+3.6	39	38	-1	SW	2	0	*	-	43	37	*	-			
	Cuxhaven ...	29.51	41	N	1	0	29.82	+3.5	39	39	-3	SW	2	0	*	-	43	37	*	-			
	The Helder ...	29.70	42	NNW	1	0	29.85	+4.3	41	41	+3	WSW	2	b	3	-	43	36	*	0.35			
	Brussels ...	*	*	*	*	*	30.00	+5.4	37	36	-14	SW	3	b	*	-	55	35	*	0.12			
	Berlin ...	29.54	50	SW	4	0	29.82	+2.6	39	38	-11	WNW	3	+	*	-	52	36	*	0.08			
SPAN. PEN.	Frankfurt ...	29.68	45	SW	9	c	29.97	+2.8	40	38	-13	SW	4	bc	*	-	59	39	*	-			
	Munich ...	29.93	46	SW	7	0	30.10	+1.7	39	37	-3	W	6	c	*	-	52	37	*	0.08			
	C. Gris Nez ...	29.76	43	SW	6	0	29.89	?	43	42	-3	SW	5	bc	5	-	48	41	*	1.26			
	Brest ...	30.05	48	NW	4	c	29.71	+2.0	47	46	0	SSW	5	c	7	-	52	45	*	0.12			
	Lorient ...	30.13	49	W	5	c	29.82	+2.5	48	48	-2	SW	5	0	7	-	54	43	*	0.08			
	Rochefort ...	30.17	51	W	7	bc	30.06	+1.9	45	45	-8	SSW	4	+	7	b, bc	54	43	*	0.04			
	Biarritz ...	30.34	54	WNW	4	c	30.16	+0.3	48	46	-10	S	2	b	4	-	58	43	*	-			
	Paris ...	30.00	45	WNW	4	+	30.09	+4.8	34	33	-18	S	2	b	*	-	55	33	*	0.04			
	Belfort ...	29.87	41	WSW	7	0	30.16	+3.0	37	36	-14	WSW	4	0	*	-	54	36	*	0.16			
	Lyons ...	30.18	49	SW	1	b	30.24	+2.2	35	33	-16	WSW	1	b	*	-	58	33	*	-			
SPAN. PEN.	Nice ...	30.09	48	WSW	2	c	30.07	+1.7	46	38	+1	Z	0	b	2	-	52	45	*	-			
	Perpignan ...	30.22	55	W	5	0	30.22	+1.3	40	38	-6	NNW	6	m	*	-	63	38	*	-			
	Corunna ...	30.26	54	W	2	b	29.92	-0.3	54	50	-1	SW	4	0	6	-	55	40	*	-			
SPAN. PEN.	Lisbon ...	30.34	55	NW	3	0	30.30	-0.3	54	53	-1	WNW	2	0	*	-	61	52	*	0.12			
	Azores (P. Delgada) ...	30.47	57	WNW	5	b	30.56	+2.0	55	50	+3	NNE	4	+	3	-	61	52	*	-			
	„ (Horta) ...	30.49	57	Z	0	b	30.58	+2.5	54	49	0	NW	2	c	2	-	63	52	*	-			

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

+ Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR Sunday, 1<sup>st</sup> March, 1903.

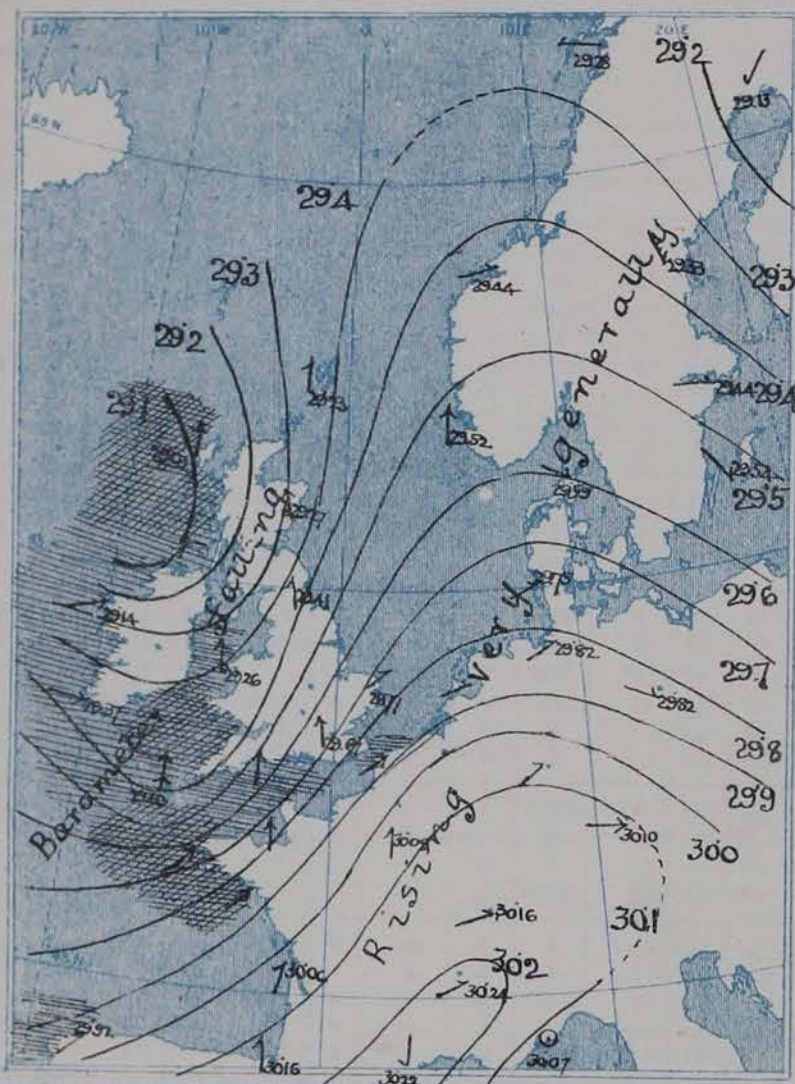
## I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉  
Force 8 to 10 → Force 1 to 4 →

SEA.—Rough High



## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus — 0.6.



## III. BAROMETER AND WIND

Yesterday morning.



## IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration. for MARCH

Specimen { Average No of Hourly daily } 3.4  
(for Stornoway) { Total Possible } 11.6



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period  
FEBRUARY MARCH (1871 1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The deep cyclonic system of yesterday has travelled north-eastwards and is apparently situated this morning over Scandinavia; the reports from that peninsula have, however, not yet arrived, and the lowest pressures of which we have at present any knowledge (29.1 in. and less) are signalled from the north of Denmark. A small secondary disturbance which was developed yesterday over Brittany is now moving north-eastwards, its centre being near the Straits of Dover, where the barometer is below 29.3 in. Another, but shallower, disturbance has appeared over the west of Ireland, but the barometer is apparently rising in most parts of the United Kingdom.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The gales of yesterday have completely subsided, and the wind on our northern coasts is now light from the W<sup>d</sup>. In the east and south-east of England it has shifted to the E<sup>d</sup>, under the influence of the small secondary depression off our south-east coasts, but in the western parts of the Channel and in the Bay of Biscay it is strong to a gale from the W<sup>d</sup>, while over Central France, Belgium and Germany it is strong from S.W. Temperature has fallen decidedly in these islands, and is now below 40° at all but our extreme southern stations, and below 35° at many places in the north; at Donaghadee the reading is only 32°. In France, Belgium and Western Germany the readings are mostly a little above 50°. The weather is fine over the northern parts of Great Britain, but is cloudy or dull elsewhere, with rain over Holland, the south of England and the north of France. The sea is rough on our south-western, southern and the French coasts, and rather rough at Dumburg Head, but moderate or slight elsewhere.

During yesterday the thermometer rose to 50° or slightly above it at most of the English stations; the amount of bright sunshine was, however, generally small. Frost occurred last night over Scotland and the north of Ireland. Heavy rain has fallen in the extreme south of England and the north of France, the amounts measured this morning being as large as 1.6 in. at Cape Gris Nez, 1.1 in. at Dungeness and Lorient and 1.0 in. at Jersey.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT



The small disturbance off our south-east coasts is likely to move away shortly in an east-north-easterly direction. The other low pressure system over the west of Ireland is apparently shallow and unimportant, but is likely to move eastwards, so that changeable and showery weather is probable in most districts, with a low temperature, and frost at night.

Special Issue. The Daily Weather Report for Friday, 27<sup>th</sup> inst. will be issued in a completed form on Monday next, the 2<sup>nd</sup> March.

## FORECASTS \*

For the 24 hours ending at NOON on 1<sup>st</sup> March, 1903

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W <sup>d</sup> to S.W <sup>d</sup> winds, light; fair at first, sleet or snow showers later, frost at night.	6	SCOTLAND WEST	S.W <sup>d</sup> winds, freshening; cloudy, some rain
1	SCOTLAND EAST		7	ENGLAND N.W.	
2	ENGLAND N.E.		8	ENGLAND S.W.	W <sup>d</sup> or S.W <sup>d</sup> winds, strong; fair at first, showery later.
3	ENGLAND EAST	Wind shifting to the N.W <sup>d</sup> or W <sup>d</sup> and freshening; weather becoming temporarily fair, with frost inland at night.	9	IRELAND NORTH	Same as Nos. 6 and 7.
4	MIDLAND COUNTIES		10	IRELAND SOUTH	Same as No. 8.
5	ENGLAND SOUTH		WARNINGS		At 10.30 a.m. to-day to district 1 and parts of 0 and 2, 'Lower Cone'. The signals are still flying in districts 3, 5 and 8.

*Note.*—The South Cone, point downwards (  ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone. The North Cone, point upwards (  ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page.



ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.																	
TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.						THIS MORNING 8 A.M.						PAST 24 HOURS.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	+	*	b, c, r	52	38	3.5	0.45
Newton Reigny (Penrith)																	
Bath ... ..	29.48	44	SW 2	0	29.48	+0.1	39	38	-10	SE 1	0	*	-	51	38	0.0	0.18
REPORTS FOR YESTERDAY.																	
STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.						
	Max.	Min.					Max.	Min.									
Southport, to 9 p.m....	50	41	OT, C, b	5.0	0.06	Eastbourne ... ..	*	*	*	0.5	*						
Rhyl ... ..	*	*	*	*	*	Hastings ... ..	*	*	*	1.2	*						
Llandudno ... ..	*	*	*	4.8	*	Lowestoft, to 6 p.m. ...	54	39	c, b, c, o	0.6	*						
Aberystwyth, to 6 p.m. ...	48	41	c, b	6.0	0.05	Harrogate, to 6 p.m. ...	49	36	o, c, b	2.8	0.08						
Plymouth, to 9 p.m....	51	43	o, OT	0.0	0.33	Manchester, to 9 p.m. ...	50	39	b	5.3	0.07						
Worthing ... ..	*	*	*	0.2	*	Darwen, to 9 p.m. ...	46	34	o, q, b, m	0.0	0.12						
Brighton ... ..	*	*	*	3.3	*	Birmingham, to 9 p.m. ...	48	38	c, b	1.3	0.19						
TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.																	
STATIONS. 27. Feb. 1903.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.								
	Max.	Min.				Max.	Min.										
Utrecht ... ..	46	37	b	0	0.08	Tunis ... ..	72	46	o	o	Ins.						
Madrid ... ..	61	39	b	0	—	Algiers ... ..	63	50	c	c	—						
Vienna ... ..	48	37	b	b	—	Madeira (Funchal) <i>Not recd</i>											
St. Petersburg ... ..	37	21	c	0	—												
Trieste ... ..	50	43	b	f	0.04	26. Feb. 1903.	1 p.m.				Measured 7 a.m.						
Florence ... ..	58	37	b	b	—	Lugano ... ..	46	—	o		—						
Rome ... ..	59	44	b	c	—	Davos ... ..	41	—	o		—						
Corsica (I. Sanguinaires) ...	59	46	f	f	—	Lucerne ... ..	48	—	o		—						
Naples ... ..	60	49	b, c	c	—	Lausanne ... ..	43	—	r		—						
Palermo ... ..	69	42	b	o	—												
Malta ... ..	61	55	?	o	—												
EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.																	
WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.																	
* AN ASTERISK is inserted in all places for which information is not usually received.																	
TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.						TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.											
COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corres- ponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corres- ponding Greenwich Times.	28. Feb. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.									
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.† (W.B.T.)	6 p.m.†													
Holland ... ..	8 a.m. ( " " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.	Yarmouth ... ..	6.45	12.6	5.27									
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich ... ..	6.51	12.13	5.35									
France ... ..	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick ... ..	7.14	12.25	5.36									
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.	Valencia ... ..	7.33	12.54	6.15									
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.													
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.													
Horta ...	6 a.m. (Local) ...	7.55 a.m.	9 p.m														

† The evening observations in Belgium are not given on page 1.

1 At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on

MONDAY 2<sup>nd</sup> MARCH

1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.
		At 82° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)			At 82° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)				Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.48	46	NE	2	b	29.58	+45	1	-1	-27	S	2	b	*	-	32	1	*	-	
	Hernösand ...	29.59	24	Z	0	b	29.60	+27	18	17	-16	Z	0	o	*	-	39	18	*	-	
	Stockholm ...	29.69	36	Z	0	b	29.73	+29	33	32	-2	Z	0	b	*	-	41	32	*	-	
	Wisby ...	29.77	35	NW	2	b	29.80	+26	31	30	-4	Z	0	f	*	-	41	31	*	-	
	Karlstad ...	29.67	35	SW	2	bc	29.64	+08	35	33	+4	S	2	o	*	-	*	*	*	-	
	Färder (X'ania Fjord)	29.67	39	SSW	4	b	29.51	-04	37	36	+1	SSE	6	m	3	-	39	36	*	-	
	Bodö ...	29.38	34	S	4	c	29.36	+08	31	29	+1	E	4	b	1	-	36	28	*	-	
	Christiansund ...	29.41	38	ESE	1	b	29.16	-28	42	34	+7	SSE	7	o	5	-	43	34	*	-	
BRITISH ISLANDS.	Skudesnaes ...	29.43	41	S	6	o	29.23	-29	40	39	+2	S	8	o	6	o	41	36	*	*	
	Sumburgh Head ...	28.93	43	SSE	6	o	28.89	-34	38	35	-2	SSW	4	c	6	+10	43	33	*	0.54	
	Stornoway ...	28.93	39	W	1	+	28.93	-16	33	33	-8	WSW	3	os	3	+	43	31	0.0	0.40	
	Malin Head ...	29.15	40	NW	7	cq	28.74	-26	34	34	-6	SE	7	oshq	6	+10	42	32	*	0.07	
	Blacksod Pt. ...	29.31	39	WNW	5	c	28.58	-56	48	47	+8	WSW	6	cpm	4	-	48	31	*	0.54	
	Valencia ...	29.53	40	W	6	bcq	28.84	-53	51	48	+7	WSW	8	om	6	hpbcq	52	36	2.0	0.53	
	Roche's Point ...	29.53	38	W	5	c	28.86	-47	51	50	+9	W	4	o	5	o,c	51	36	*	0.34	
	Parsonstown ...	29.42	36	SW	5	c	28.70	-55	47	46	+10	W	5	ot	*	osthpc	47	32	3.2	0.33	
GERMANY, &c.	Donaghadee ...	29.25	37	W	3	cp	28.91	-21	38	37	-7	SSE	5	tg	4	-	45	32	*	0.09	
	Liverpool Obsy. ...	29.36	40	W	6	c	29.01	-40	35	34	-6	SE	4	o	4	otlp,c	46	34	*	0.15	
	Holyhead ...	29.36	40	W	4	c	28.88	-38	41	41	-4	SE	8	tg	6	c	45	37	*	0.59	
	Pembroke (St. Ann's)	29.51	42	WNW	6	c	28.92	-40	48	47	+1	SSW	8	oq	6	c,hp	48	39	2.0	0.56	
	Scilly (St. Mary's)...	29.61	43	WNW	8	ohq	29.14	-26	43	40	-5	SW	9	+	7	c,ohq	48	40	3.0	0.38	
	Jersey (St. Aubins)...	29.63	45	WNW	5	cq	29.52	-36	47	46	+2	WSW	7	ot	6	z,cp,hq	48	41	1.3	0.06	
	Portland Bill ...	29.54	45	W	5	cq	29.30	-39	47	46	+1	WSW	6	tg	5	cq	47	39	*	0.34	
	Dungeness ...	29.48	36	SW	8	tg	29.44	-43	42	42	-3	SW	7	odq	5	o,tq	48	38	*	0.04	
FRANCE.	Wick ...	28.91	50	WNW	4	c	28.91	-24	35	34	-5	NW	3	o	2	-	45	33	*	0.03	
	Nairn ...	28.96	39	W	3	o	28.96	-17	30	29	-11	Z	0	b	1	+	50	28	*	-	
	Aberdeen ...	29.02	41	SW	3	bc	29.06	-21	33	31	-8	SSW	3	bcn	2	-	43	32	0.0	-	
	Leith ...	29.07	43	SW	2	bc	29.01	-18	34	32	-10	ESE	1	o	*	-	47	32	*	0.01	
	North Shields ...	29.19	41	SW	3	c	29.11	-30	35	33	-4	S	2	o	2	+,c	46	34	*	0.01	
	Spurn Head ...	29.33	39	WSW	5	bc	29.22	-39	35	34	-3	S	5	c	3	-	48	34	*	0.07	
	Yarmouth ...	29.42	45	S	7	otq	29.42	-35	35	34	-4	SSW	4	o	3	c,otq	47	31	*	0.07	
	Loughborough ...	29.53	39	W	3	b	29.26	-40	39	38	-4	SE	4	ot	*	oh,t,b	47	34	*	0.46	
SPAN. PEN.	Oxford ...	29.53	39	NW	2	bc	29.35	-32	40	40	-3	SSE	5	ot	*	oq,bpg	49	34	0.6	0.12	
	London (Brixton)...	29.50	39	NW	2	bc	29.35	-32	40	40	-3	SSE	5	ot	*	oq,bpg	49	34	0.6	0.12	
	The Scaw (Skagen)	29.70	39	WSW	1	b	29.51	-08	38	37	+1	S	4	m	1	-	43	36	*	-	
	Fanö ...	29.68	35	SE	5	b	29.46	-24	35	34	-4	S	4	s	*	-	41	36	*	0.08	
	Cuxhaven ...	29.80	41	S	2	b	29.52	-30	37	36	-2	WSW	4	+	*	b,+,q	45	36	*	0.12	
	The Helder ...	29.56	43	S	4	o	29.48	-37	40	39	-1	SW	4	bc	3	-	48	40	*	0.08	
	Brussels ...	*	*	*	*	*	29.68	-32	37	35	0	SSW	4	o	*	-	49	36	*	0.16	
	Berlin ...	29.92	40	Z	0	b	29.75	-07	34	33	-5	SE	2	b	*	-	50	30	*	0.04	
SPAN. PEN.	Frankfurt ...	29.84	40	W	2	b	29.82	-15	41	39	+1	SW	4	b	*	-	48	37	*	-	
	Munich ...	29.97	35	SE	4	b	29.88	-22	37	36	-2	SW	4	o	*	-	46	30	*	-	
	C. Gris Nez ...	29.51	35	S	6	+	29.58	-31	41	41	-2	SSW	6	+	6	-	52	41	*	0.24	
	Brest ...	29.76	42	NW	4	o	29.58	-13	50	50	+3	SW	6	+	6	-	50	41	*	0.20	
	Lorient ...	29.86	41	SW	6	f	29.75	-07	48	47	0	W	6	+	8	-	54	39	*	0.51	
	Rochefort ...	29.87	49	SW	6	o	29.96	-40	50	50	+5	SW	6	o	*	o	54	45	*	0.28	
	Biarritz ...	30.10	52	WSW	6	o	30.22	+06	49	48	+1	WSW	5	c	5	-	61	41	*	0.08	
	Paris ...	29.71	46	SSW	5	+	29.82	-27	38	36	+4	SW	4	+	*	-	53	34	*	0.04	
SPAN. PEN.	Belfort ...	29.89	41	WSW	2	m	29.93	-23	36	35	-1	WSW	4	c	*	-	51	35	*	0.08	
	Lyons ...	29.96	47	SW	2	bc	30.12	-12	36	33	+1	W	1	o	*	-	55	36	*	0.04	
	Nice ...	29.95	49	SE	2	b	29.84	-23	45	39	-1	E	1	bc	0	-	59	41	*	-	
	Perpignan ...	30.01	51	NE	2	bc	30.14	-08	47	40	+7	NW	5	o	*	-	58	45	*	-	
SPAN. PEN.	Corunna ...	30.43	50	NW	3	b	30.64	+34	51	47	-3	WNW	3	o	*	-	59	48	*	-	
	Lisbon ...	30.63	54	NW	3	b	30.56	00	56	52	+4	W	3	bc	3	-	61	52	*	-	
	Azores (P. Delgada)	30.63	55	W	2	b	30.57	-01	57	53	+3	Z	0	o	2	-	63	51	*	-	
	" (Horta) ...	30.63	55	W	2	b	30.57	-01	57	53	+3	Z	0	o	2	-	63	51	*	-	

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



FOR Monday, 2<sup>nd</sup> March, 1903.

**BAROMETER.**—Isobars are drawn for each tenth of an inch.

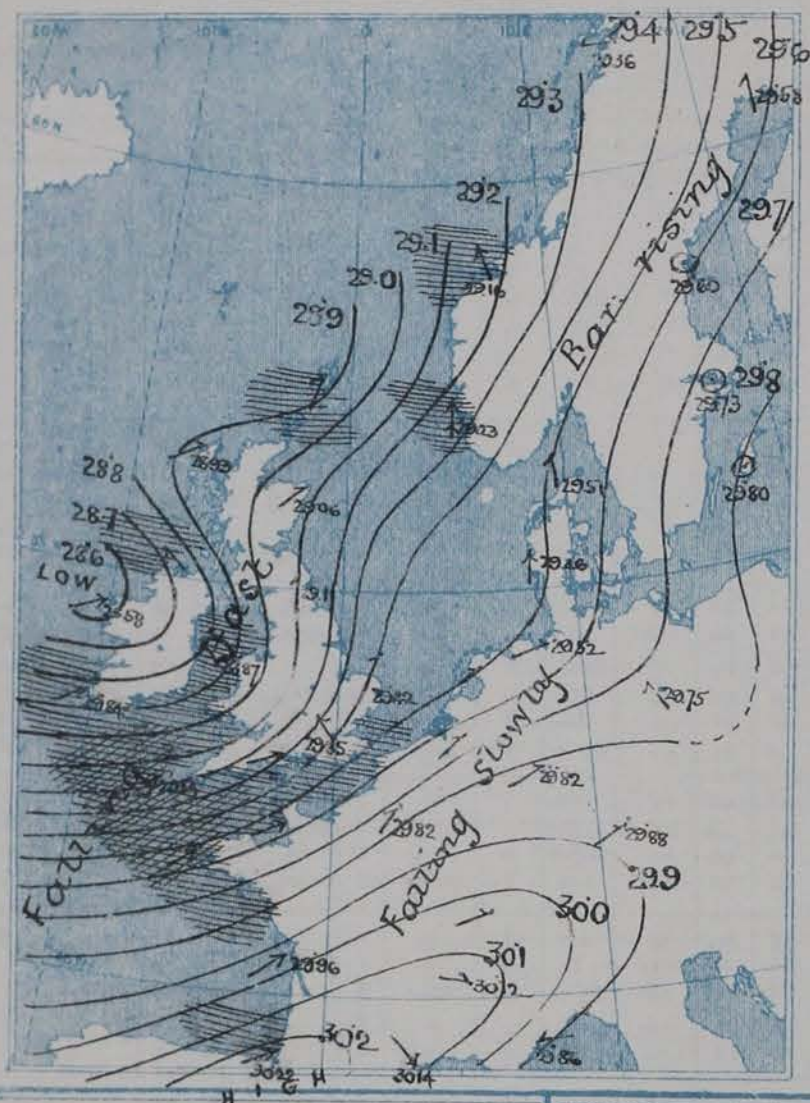
WIND.—Arrows show Directions and Force, flying with the wind.

WIND.—Arrows show Directions and Force, flying with the wind.

Force alone 10  $\Rightarrow$

Force 5 to 7  $\longrightarrow$

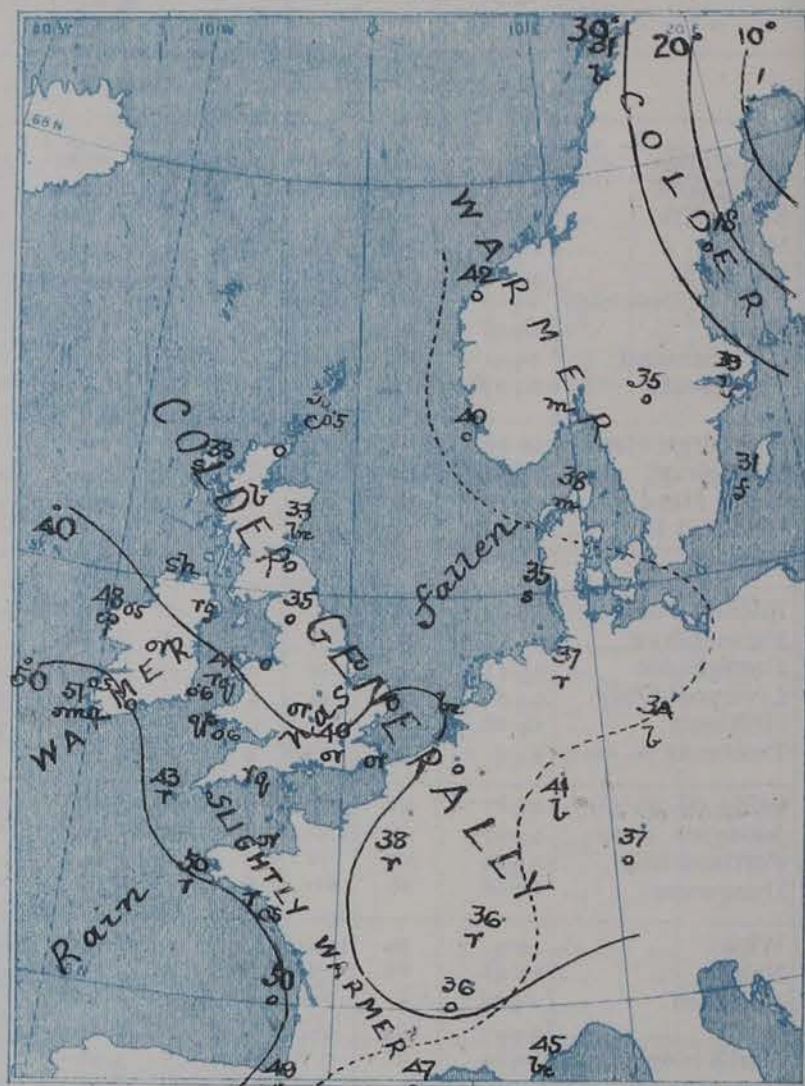
Pages 8 to 10 

Figure 1 to 4  $\longrightarrow$ 

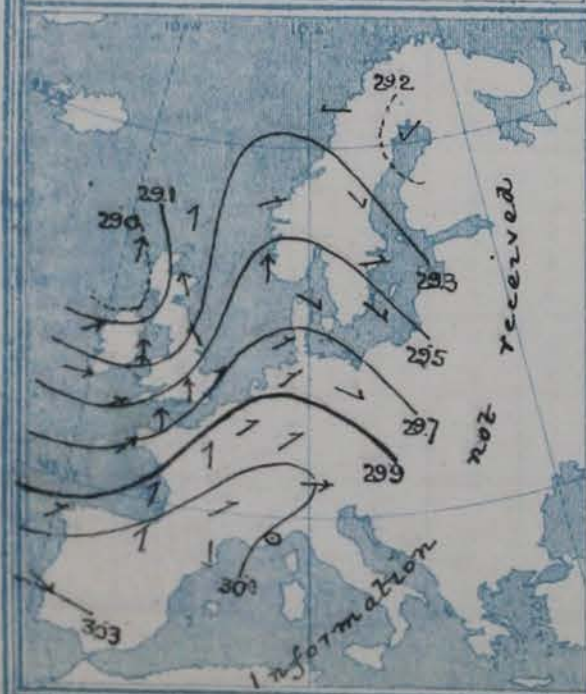
TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

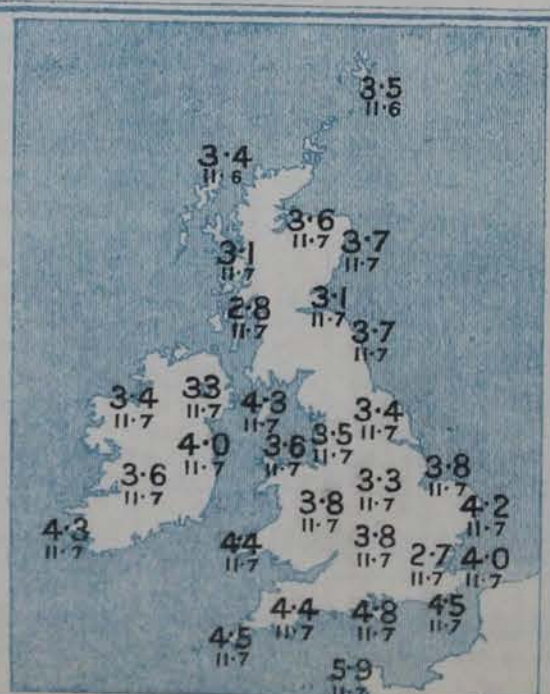
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus: 0.6



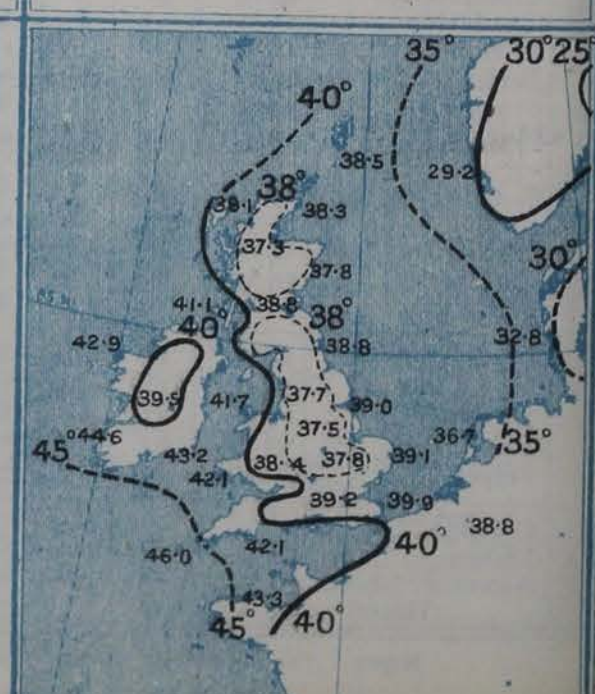
*Yesterday morning.*



Specimen	{	Average N <sup>o</sup> of	} 3.4
(for Stornoway)		Hourly daily	
		Total Possible	11.6



V. Means of DAILY TEMPERATURE  
at 8 A.M. for the Two monthly period  
FEBRUARY MARCH (1871 1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Barometrical pressure now ranges from 30.3 ins. at Lisbon and 30.24 ins. at Lyons to 29.4 ins. at Scilly in a secondary "V" shaped disturbance, to about 28.0 ins. off the west of Scotland, to 29.44 ins. at Christianmound and to 28.13 ins. at Haparanda. Pressure is increasing over the greater part of the Continent, but decreasing quickly over Great Britain, the major portion of Ireland, and the Bay of Biscay. At Valencia, however, the mercury has begun to rise again. Gradients have again become steep or rather so over the whole of the United Kingdom and its neighbourhood.

### WIND

The wind has backed to the S<sup>2</sup> in most parts of our Islands, France, and the west of Norway, and blows freshly or strongly generally, with a fresh gale over the Irish Sea. In the west of Ireland, where it has the force of a moderate gale, it has already veered to the W<sup>2</sup>. Over Sweden the wind is light or moderate from some N<sup>2</sup> point.

### TEMPERATURE

Temperature does not differ very materially from the normal over the United Kingdom, varying from 48° at Scilly, 47° at Pembroke, and 45° at Dungness to 40° at Wick, 38° at Spurn Head, and 37° at Carronstown. Over France and Germany it has fallen quickly, and, excepting on the shores of the Bay of Biscay, is now mostly below 40°. Over Scandinavia the readings range from 38° at Skudestrand to 30° at Bodø.

### WEATHER

Rain or passing showers are falling at most of our western and northwestern stations and much cloud is reported over the country as a whole, but in many continental localities the sky is clear; rain is, however, falling at Rochefort and Berlin.

### AND

The sea is high in the Minch, at Pembroke and on the west coast of Brittany, and rough or rather so except off our east coasts.

### SEA

During the course of yesterday the thermometers rose to 63° at Perpignan, 58° at Lyons, and 59° at Frankfurt, but over our Islands the maxima (except at Dungness) were all below 50°. Rain has fallen in most parts of France, Germany, and the United Kingdom and also in the west of Norway, the heaviest amounts being 0.70 in. at Valencia Island and 1.26 ins. at Cape Gris Nez. At Malin Head and Holyhead lightning has been observed. From three to five hours of bright sunshine were recorded at several of our northern and western stations yesterday but very little or none in the south.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS \*

For the 24 hours ending at NOON on 2<sup>nd</sup> MARCH.

1903

#### DISTRICTS.

#### FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

*issued*  
*None*

#### DISTRICTS.

#### FORECASTS.

- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH

*issued*  
*None*

#### WARNINGS

At 9.30 am. to all districts except No. 10 "Horse South Cone."

*Note.*—The South Cone, point downwards (  $\nabla$  ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.  
The North Cone, point upwards (  $\nabla$  ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page.



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.					
	Bar.	Temp.	Wind.	Weather.	Barometer.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun-	Rainfall
	Ins.	°			Ins.	Change.	Dry.	Wet.	Change.				Max.	Min.	shine.	Ins.
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	bc	*	7.6	44	37	0.0
Newton Reigny (Penrith)											*					
Bath ... ..	29.71	46	S 3	0	29.60	+12	47	43	+8	S 6	0	-	48	37	0.5	0.04

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	47	32	om, st, c, dq	1.2	0.03	Eastbourne ... ..	*	*	*	*	*
Rhyl ... ..	*	*	*	*	*	Hastings ... ..	*	*	*	*	*
Llandudno ... ..	*	*	*	2.4	*	Lowestoft, to 6 p.m. <i>Not recd</i>					
Aberystwyth, to 6 p.m. ...	49	42	bc	3.0	0.05	Harrogate, to 6 p.m. ...	44	31	b	1.8	-
Plymouth, to 9 p.m....	49	35	op, bc	3.6	0.16	Manchester, to 9 p.m. ...	45	31	m, or, bc	0.0	0.08
Worthing ... ..	*	*	*	1.0	*	Darwen, to 9 p.m. ...	44	31	op, r, w	0.0	0.03
Brighton ... ..	*	*	*	*	*	Birmingham, to 9 p.m. ...	44	36	o, b	0.0	-

**TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.**

STATIONS. 28...Feb...1903.	TEMPERATURE, F.		WEATHER.	RAIN.		STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.					Max.	Min.		
Utrecht... ..	54	39	r	r	Ins.	Tunis ... ..	63	45	o	c
Madrid ... ..	59	34	o	c	-	Algiers ... ..	64	52	b	b
Vienna ... ..	59	39	f	f	-	Madeira (Funchal) ...	64	50	c	c
St. Petersburg <i>Not recd</i>										
Trieste ... ..	46	39	f	f	-	27...II...1903.				
Florence ... ..	60	42	b	o	-					
Rome ... ..	61	42	b	o	-	Lugano ... ..	50	-	b	-
Corsica (I. Sanguinaires) ...	61	48	f	f	-	Davos ... ..	43	-	b	-
Naples ... ..	62	48	b	b	-	Lucerne ... ..	50	-	bc	-
Palermo ... ..	65	46	o	o	-	Lausanne ... ..	50	-	b	0.08
Malta ... ..	60	52	?	m	-					

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

**WEATHER.**—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.  
\* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.† (W.E.T.)	6 p.m.†
Holland ... ..	8 a.m. ( " " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France ... ..	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Horta ... ..	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

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

† The evening observations in Belgium are not given on page 1.

1 At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on

TUESDAY 3<sup>RD</sup> MARCH.

1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	Weather	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	Temp.				
		At 82° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)			At 82° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)			Max.	Min.	Sun- shine. Hours.	Rainfall. Ins.	
																					Ins.
SCANDINAVIA.	Haparanda ...	29.59	27	S	2	0	29.67	+0.9	30	28	+2.9	SSW	2	0	-	?	?	*	-		
	Hernösand ...	29.56	33	S	2	0	29.57	-0.3	32	31	+1.4	S	6	5	-	34	14	*	-		
	Stockholm ...	29.67	33	Z	0	0	29.52	-2.1	35	34	+2	SE	3	+	-	37	28	*	-		
	Wisby ...	29.65	35	SE	2	0	29.49	-3.1	37	36	+6	ESE	2	0	-	37	27	*	-		
	Karlstad ...	29.43	36	S	4	0	29.30	-3.4	35	33	0	E	4	0	0.1	*	*	*	-		
	Færder (X'iania Fjord)	29.27	38	SSE	6	0	29.11	-4.0	36	35	-1	SE	6	+	4	-	39	36	*	0.16	
	Bodö ...	29.28	31	E	5	0	29.23	-1.3	35	32	+4	ESE	4	bc	2	-	35	30	*	-	
	Christiansund ...	29.05	41	SSE	4	0	29.08	-0.8	40	34	-2	S	3	0	4	-	45	36	*	-	
BRITISH ISLANDS.	Skudesnaes ...	29.03	38	S	8	0	28.81	-4.2	40	39	0	SE	8	+	7	c, 0	41	34	*	*	
	Sumburgh Head ...	28.83	37	SW	2	0	29.01	+1.2	37	36	-1	N	3	+	4	c	42	32	*	0.01	
	Stornoway ...	28.79	37	SE	3	0	29.22	+2.9	37	36	+4	NNW	4	ots	4	c, 0	43	28	6.1	0.24	
	Malin Head ...	28.50	37	E	8	+	29.31	+5.7	42	40	+8	N	6	bc	5	+	42	34	*	0.16	
	Blacksod Pt. ...	28.55	48	N	6	ogpm	29.46	+8.8	43	40	-5	NNW	2	bc	3	ogpm	50	39	*	0.23	
	Valencia ...	28.82	48	WSW	8	ogqp	29.53	+6.9	45	43	-6	N	3	cp	5	ogqp	52	43	0.0	0.15	
	Roche's Point ...	28.79	48	NNW	5	ogp	29.46	+6.0	44	42	-7	NNW	3	c	2	0, ogp	52	42	*	0.12	
	Parsonstown ...	28.64	46	W	6	op	29.46	+7.6	36	34	-11	NNW	1	b	*	op	50	35	0.3	0.10	
GERMANY, &c.	Donaghadee ...	28.51	48	W	2	op	29.26	+3.5	42	38	+4	N	3	bc	3	-	48	33	*	0.17	
	Liverpool Obsy. ...	28.53	46	WSW	3	0	29.24	+2.3	40	38	+5	NW	5	c	4	op, 0	50	35	*	0.16	
	Holyhead ...	28.61	46	W	5	tg	29.27	+3.9	43	40	+2	NNW	8	cqp	6	cqp, tg	49	40	*	0.39	
	Pembroke (St. Ann's) ...	28.76	48	WSW	7	0	29.36	+4.4	43	40	-5	NW	6	bcq	6	0, ogp	50	42	0.4	0.07	
	Scilly (St. Mary's) ...	28.96	51	NNW	9	+	29.42	+2.8	48	44	+5	NNW	7	c	8	+	52	40	1.3	0.42	
	Jersey (St. Aubins) ...	29.08	50	WSW	8	cq	29.34	+1.8	46	42	-1	NNW	7	cm	6	tg, cqp	51	44	0.0	0.63	
	Portland Bill ...	28.89	49	WSW	5	cp	29.24	-0.6	44	41	-3	NNW	8	bcq	6	cq, cp	50	43	*	0.31	
	Dungeness ...	28.88	48	WSW	7	c	29.04	-4.0	46	45	+4	NNW	4	c	3	tg, c, q	48	42	*	0.25	
FRANCE.	Wick ...	28.76	39	N	2	bc	29.07	+1.6	36	35	+1	N	2	bc	1	-	40	28	*	-	
	Nairn ...	28.72	35	E	2	0	29.13	+1.7	38	37	+8	NNW	1	c	1	-	39	29	*	0.02	
	Aberdeen ...	28.70	36	ENE	5	tsp	29.09	+0.3	36	34	+3	NW	3	b	3	op, tsp	39	32	0.9	0.08	
	Leith ...	28.55	37	E	3	bc	29.17	+1.6	36	33	+2	WSW	1	bm	3	s, t, d	39	33	*	0.13	
	North Shields ...	28.53	38	SSW	2	c	29.12	+0.1	38	35	+3	NW	4	c	3	ts, t, c	40	34	*	0.19	
	Spurn Head ...	28.64	46	SSW	4	bc	29.02	-2.0	42	40	+7	N	6	cqp	4	-	48	35	*	0.12	
	Yarmouth ...	28.77	47	SSW	5	od	28.87	-5.5	45	44	+10	NNW	5	f	4	0, od	47	33	*	0.14	
	Loughborough ...	28.76	47	SW	3	+	29.10	-1.6	42	41	+3	NW	4	og	*	op	52	38	*	0.33	
SPAN. PEN.	Oxford ...	28.82	49	WSW	6	c	29.05	-3.0	45	43	+5	NW	6	og	*	or, c, od	52	39	0.1	0.27	
	London (Brixton) ...	28.82	49	WSW	6	c	29.05	-3.0	45	43	+5	NW	6	og	*	or, c, od	52	39	0.1	0.27	
	The Scaw (Skagen) ...	29.24	38	SSE	4	m	29.04	-4.7	38	38	0	SSE	6	+	2	-	41	36	*	0.12	
	Fanö ...	29.04	37	SE	9	+	28.92	-5.4	40	39	+5	SE	6	+	*	-	41	35	*	0.35	
	Cuxhaven ...	29.30	42	S	5	0	28.94	-5.8	41	40	+4	S	4	0	0.1, tg	43	37	*	0.08		
	The Helder ...	28.85	45	SSW	7	+	28.88	-6.0	44	44	+4	SW	1	0	2	-	45	39	*	0.35	
	Brussels ...	*	*	*	*	*	29.02	-6.6	44	44	+7	WSW	2	+	*	-	46	36	*	0.51	
	Berlin ...	29.57	39	SSW	1	b	29.21	-5.4	42	38	+8	SSW	2	c	*	-	45	34	*	-	
SPAN. PEN.	Frankfurt ...	29.36	45	SW	5	0	29.09	-7.3	42	41	+1	SW	3	+	*	-	45	41	*	0.24	
	Munich ...	29.73	38	SSE	3	b	29.27	-6.1	37	35	0	Z	0	0	*	-	43	34	*	0.04	
	C. Gris Nez ...	28.97	46	SW	6	0	28.97	-6.1	46	45	+5	WSW	5	0	5	-	48	41	*	0.28	
	Brest ...	29.20	51	W	6	f	29.43	-1.5	48	46	-2	NW	6	0	7	-	52	45	*	0.28	
	Lorient ...	29.34	49	WSW	8	+	29.40	-3.5	48	48	0	NW	8	+	7	-	52	39	*	1.58	
	Rochefort ...	29.58	52	SW	8	+	29.54	-4.2	52	50	+2	NNW	8	+	*	+	52	48	*	0.87	
	Biarritz ...	29.58	52	SW	8	+	29.54	-4.2	52	50	+2	NNW	8	+	*	+	52	48	*	0.87	
	Paris ...	29.23	46	SSW	8	+	29.15	-6.7	45	43	+7	WSW	4	0	*	-	48	38	*	0.59	
SPAN. PEN.	Belfort ...	29.84	46	SSE	4	+	29.45	-6.7	44	39	+8	NNW	4	c	*	-	52	36	*	0.12	
	Lyons ...	29.89	45	SSW	1	c	29.57	-2.7	40	39	-5	NW	1	bc	4	-	57	39	*	0.43	
	Nice ...	29.95	50	NE	2	0	29.63	-5.1	57	50	+10	NW	6	+	*	-	60	44	*	-	
	Perpignan ...	29.95	50	NE	2	0	29.63	-5.1	57	50	+10	NW	6	+	*	-	60	44	*	-	
SPAN. PEN.	Corunna ...	30.41	55	WSW	4	0	30.38	-2.6	55	53	+4	NNW	2	0	*	-	57	51	*	-	
	Lisbon ...	30.56	56	NNW	3	bc	30.50	-0.6	57	54	+1	NW	3	0	2	-	63	54	*	-	
	Azores (P. Delgada) ...	30.56	58	W	3	c	30.52	-0.5	56	54	-1	W	3	c	1	-	64	55	*	-	

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR *Tuesday, 3<sup>rd</sup> March, 1903.*

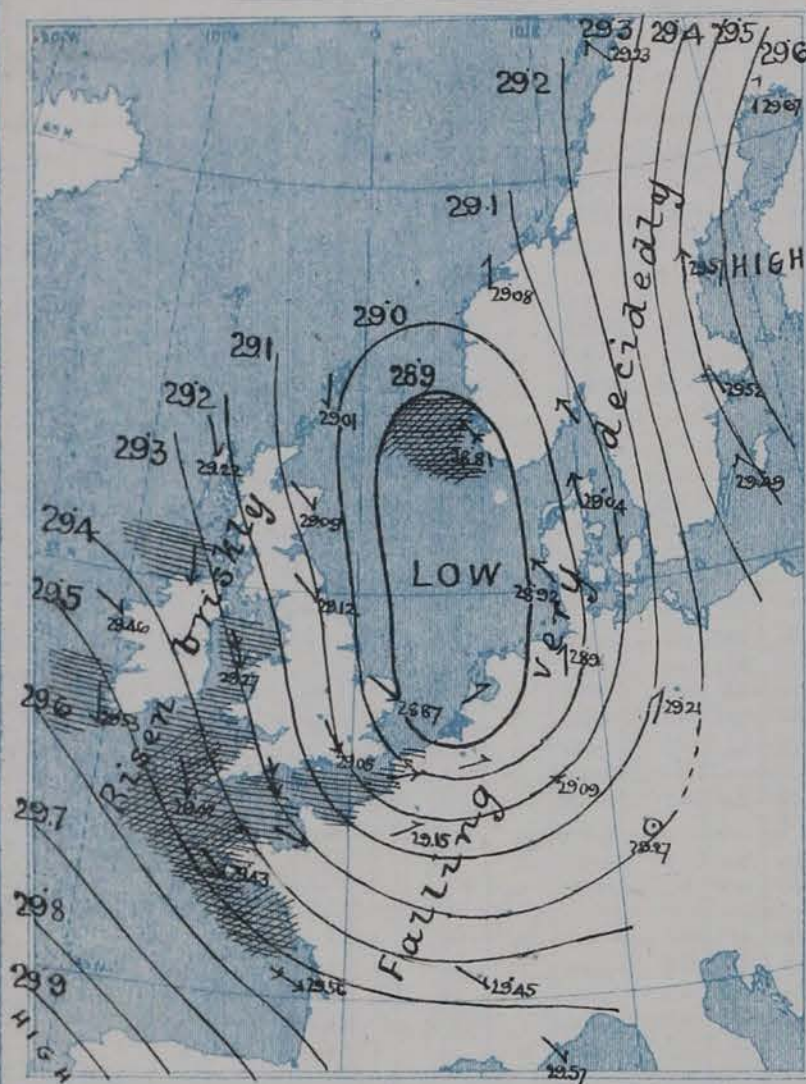
## I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉  
Force 8 to 10 → Force 1 to 4 → }

SEA.—Rough High



## II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus — 0.6



## III. BAROMETER AND WIND

*Yesterday morning.*

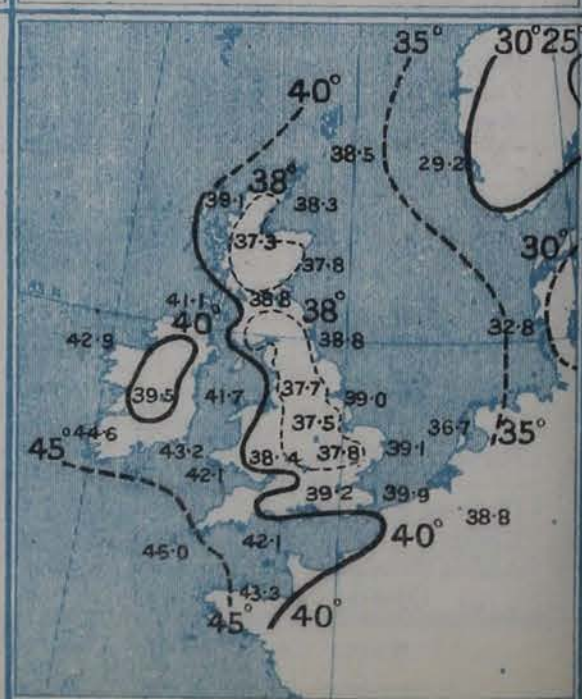


## IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration, for MARCH

Specimen { Average No. of Hours daily } 3.4  
(for Stornoway) { Total Possible } 11.6



## V. Means of DAILY TEMPERATURE at 8 A.M. for the Two monthly period FEBRUARY MARCH (1871 1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

A new cyclonic system of considerable depth is advancing over these Islands from the Atlantic, its centre being at present situated off the north-west of Ireland, in which locality the readings of the barometer are below 28.6 ins. The mercury is falling quickly at most of our own western and southern stations, and over the Channel and the south-west of England the gradients are again steep; at Valencia the fall has slackened since 5 a.m. The disturbance of yesterday is passing away to the northward of Scotland. The highest pressures, 30.2 ins. and upwards, are reported over the south-west of France.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is strong from the S.W.<sup>d</sup> on all our southern and the French coasts (with a gale in the extreme south-west), and moderate from the same quarter over Germany and the Netherlands. Over the North Sea and the adjacent coasts it is S.<sup>3</sup>s. with a gale in the south of Norway, while over the Irish Sea and the north of Ireland there is a gale from the S.E.<sup>d</sup>. Temperature has fallen over Great Britain, and also in Germany, but has risen elsewhere. On our own extreme western and southern coasts the thermometer is again high, the readings being above 45° in many places, and as high as 51° at Valencia and Roche's Point. In other parts of the United Kingdom the readings are below the average, the thermometer being as low as 35° in the north and east of England, and below that point in Scotland and the extreme north of Ireland; at Naism the reading is only 30°. Rain is falling at nearly all our western and southern stations, and also over the north of France and at Cushaven, and snow is reported at Stornoway and Malin Head. In the east of Scotland and in many parts of Germany the weather is at present fine. The sea is high at the mouth of the Channel, and rough or rather so on our western and southern coasts generally, as well as off the Shetlands and the west of Norway. During yesterday the thermometer rose to between 45° and 50° over the United Kingdom generally and to 52° at Valencia (Ireland). The amount of bright sunshine was generally small. Rain has fallen over nearly the whole of North-western Europe - heavily at many of our own western stations; thunder was heard at noon yesterday at Jersey.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new disturbance is likely to move in an easterly or an east-north-easterly direction, and gales are again probable on many parts of our coasts, from the S.W.<sup>d</sup> or W.<sup>d</sup> in the south, and from the S.E.<sup>d</sup> in the north. Snow is probable over the northern parts of the United Kingdom.

## FORECASTS \*

For the 24 hours ending at NOON on 3<sup>rd</sup> March, 1903

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	Wind backing to the S.E. and increasing in force; unsettled, some snow.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S <sup>3</sup> s winds, increasing to a gale; squally, some cold rain or sleet.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	S.W. <sup>3</sup> s to W. <sup>3</sup> s winds, increasing to a gale; squally and rainy to-day, improving temporarily to-night or to-morrow.
5	ENGLAND SOUTH	



### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	S.E. <sup>3</sup> s gales, shifting later to the W. or N.W., squally and rainy at first, improving later.
7	ENGLAND N.W.	
8	ENGLAND S.W.	S.W. <sup>3</sup> s to W. <sup>3</sup> s or N.W. <sup>3</sup> s gales and strong winds; squally and rainy at first, improving later.
9	IRELAND NORTH	
10	IRELAND SOUTH	Same as No. 8.

### WARNINGS

At 9.50 a.m. to-day to district 10, Hoist South Cone. The signals are now flying on all coasts.

Note.—The South Cone, point downwards (  ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone. The North Cone, point upwards (  ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page.



ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	0	*	B, 0	47	35	5.5	0.08
Newton Reigny (Penrith)												*					
Bath ... ..	29.48	43	W 4	b c	29.21	-39	45	43	-2	S 2	7	*	-	48	35	0.0	0.55

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m. ....	46	36	bc, r, h, cq	0.2	0.20	Eastbourne ... ..	46	36	*	0.8	*
Rhyl ... ..	*	*	*	?	*	Hastings ... ..	*	*	*	1.4	*
Llandudno ... ..	*	*	*	1.8	*	Lowestoft, to 6 p.m. No 1, No 2	*	*	*		
Aberystwyth, to 6 p.m. ...	47	40	0, c	0.0	0.08	Harrogate, to 6 p.m. ...	44	32	0, r, c	0.0	0.10
Plymouth, to 9 p.m. No 1, No 2						Manchester, to 9 p.m. ...	47	35	c, r	0.0	0.12
Worthing ... ..	*	*	*	0.4	*	Darwen, to 9 p.m. ...	41	30	0, r, 0+	0.0	0.31
Brighton ... ..	*	*	*	0.3	*	Birmingham, to 9 p.m. ...	45	33	0, r, c, ts	0.0	0.28

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max. °	Min. °		
I.M.C.H. 1908.				
Utrecht... ..				Ins.
Madrid ... ..				
Vienna ... ..				
St. Petersburg ... ..				
Trieste ... ..				
Florence ... ..				
Rome ... ..				
Corsica (I. Sanguinaires) ...				
Naples ... ..				
Palermo ... ..				
Malta ... ..				

STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max. °	Min. °		
Tunis ... ..				Ins.
Algiers ... ..				
Madeira (Funchal) ... ..				
23 Feb. 1908.				
	1 p.m.		1 p.m.	Measured 7 a.m.
Lugano ... ..	45	—	o	—
Davos ... ..	43	—	o	—
Lucerne ... ..	46	—	r	—
Lausanne ... ..	50	—	r	—

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

\* AN ASTERISK is inserted in all places for which information is not usually received.

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TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

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

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	2 March 1908.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. ‡ (W.B.T.)	6 p.m. ‡		h. m.	h. m.	h. m.
Holland ... ..	8 a.m. ( " " )	8 a.m.	7 p.m. (W.B.T.)	7 p.m.	Yarmouth ... ..	6.40	12.5	5.30
Germany, Denmark, } Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich ... ..	6.46	12.12	5.38
France ... ..	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick ... ..	7.8	12.24	5.41
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.B.T.)	6 p.m.	Valencia ... ..	7.28	12.53	6.18.
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.				
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.				
{ Horta ... ..	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.				

*SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.*

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.  
 " Weekly " " " £1 10 0 " Single Copies 6d

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. Smith & Sons' Bookstalls at the following places:—

FORECASTS OF WEATHER for each day in advance, and the terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

can be had by Reply Telegram, on paying at any Post Office in the United Kingdom, at 11 a.m., and between 7 and 8 p.m. The latest forecast

reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

\* At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on WEDNESDAY 4<sup>TH</sup> MARCH. 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)			At 32° Fahr. and M. S. L.	Change since Yester- day. Ins.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)				Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.70	28	S	2	0	29.68	+01	30	29	0	S	4	0	*	-	30	27	*	-	
	Hernösand ...	29.59	32	SE	6	0	29.60	+03	33	33	+1	SE	4	f	*	-	34	30	*	0.20	
	Stockholm ...	29.55	37	Z	0	0	29.62	+10	37	36	+2	SE	2	0	*	-	37	32	*	-	
	Wisby ...	29.31	39	Z	0	0	29.59	+10	39	38	+2	Z	0	0	*	-	39	30	*	-	
	Karlstad ...	29.40	37	E	2	+	29.50	+20	37	36	+2	ESE	2	+	*	-	*	*	*	0.16	
	Færder (X'iania Fjord)	29.26	38	ESE	2	+	29.43	+32	37	37	+1	INE	3	+	2	-	39	36	*	0.79	
	Bodö ...	29.24	39	SE	1	0	29.41	+18	33	32	-2	SW	4	c	2	-	39	32	*	-	
	Christiansund ...	29.26	37	SE	2	0	29.49	+41	33	31	-7	ESE	2	c	3	-	41	33	*	0.08	
	Skudesnaes ...	29.25	36	N	4	bc	29.45	+64	35	34	-5	NNW	2	b	2	bc	40	32	*	*	
	Sumburgh Head	29.41	34	N	3	c	29.15	+14	39	38	+2	S	5	0	6	bc	40	37	*	-	
BRITISH ISLANDS.	Stornoway ...	29.48	39	N	1	0	29.08	-14	36	36	-1	WSW	6	+	6	0	43	35	1.1	0.26	
	Malin Head ...	29.56	43	SW	2	bc	29.33	+02	44	40	+2	WSW	7	cq	5	bc	45	41	*	0.01	
	Blacksod Pt. ...	29.60	47	SW	4	c	29.50	+04	45	41	+2	WNW	7	bcqm	5	bc,c,l	48	41	*	0.13	
	Valencia ...	29.76	48	WSW	3	bc	29.73	+20	48	46	+3	WSW	6	0	6	bc,cm	51	45	7.2	0.06	
	Roche's Point ...	29.75	49	W	3	b	29.71	+25	49	47	+5	W	4	bc	3	bc,b,p	52	43	*	0.04	
	Parsonstown ...	29.69	45	W	2	b	29.61	+15	46	44	+10	W	3	c	*	b	50	35	8.7	0.02	
	Donaghadee ...	29.60	43	NW	2	bc	29.46	+20	45	44	+3	WSW	3	cp	3	bc,l	48	37	*	0.02	
	Liverpool Obsy.	29.66	42	WNW	4	b	29.62	+38	47	44	+7	SW	4	0	3	b	48	39	*	-	
	Holyhead ...	29.67	44	W	3	b	29.61	+34	47	47	+4	SW	7	0q	5	b	47	40	*	0.02	
	Pembroke (St. Ann's)	29.75	46	NW	6	b	29.74	+38	48	48	+5	SSW	5	tg,m	4	-	48	41	7.8	0.01	
GERMANY, &c.	Scilly (St. Mary's)...	29.81	48	WNW	1	b	29.82	+40	50	50	+2	WSW	5	of	6	b	50	44	8.2	0.02	
	Jersey (St. Aubins)...	29.76	48	WNW	5	bc	30.00	+66	46	45	0	SW	4	cm	4	bc,m,w	51	39	8.3	0.01	
	Portland Bill ...	29.73	46	NW	5	bc	29.88	+64	48	47	+4	SW	4	0	4	bc	48	42	*	-	
	Dungeness ...	29.62	46	N	2	b	29.90	+86	46	44	0	WSW	4	bc	2	bc,b	49	35	*	0.02	
	Wick ...	29.45	37	N	2	c	29.06	-01	42	40	+6	S	3	0	2	c,p	42	34	*	0.02	
	Nairn ...	29.50	38	WNW	1	bc	29.15	+02	40	40	+2	W	2	+	1	-	44	28	*	0.04	
	Aberdeen ...	29.53	37	NNW	3	b	29.26	+17	41	40	+5	SSW	5	cm	2	bc,p,b	45	31	5.4	0.02	
	Leith ...	29.52	40	NW	1	b	29.33	+16	44	42	+8	SW	3	+	*	-	52	34	*	0.03	
	North Shields ...	29.49	45	NW	3	-c	29.46	+34	43	41	+5	SW	3	c	3	0,c	47	34	*	-	
	Spurn Head ...	29.55	44	NW	4	bc	29.65	+63	38	37	-4	SSW	4	bc	3	-	46	36	*	-	
FRANCE.	Yarmouth ...	29.49	44	NW	5	c	29.76	+89	38	36	-7	WSW	4	bc	3	c	45	32	*	0.06	
	Loughborough ...	29.76	42	WNW	3	bc	29.83	+73	42	40	0	SSW	2	op	*	0,bc	48	36	*	-	
	Oxford ...	29.65	45	NNW	3	b	29.85	+80	44	42	-1	SW	3	0	*	0q,c,bv	48	34	1.8	-	
	London (Brixton)...	29.65	45	NNW	3	b	29.85	+80	44	42	-1	SW	3	0	*	0q,c,bv	48	34	1.8	-	
	The Scaw (Skagen)	29.21	39	SSE	3	m	29.40	+36	39	39	+1	S	1	+	0	-	41	37	*	0.16	
	Fanö ...	29.20	39	W	2	c	29.50	+58	40	39	0	WNW	6	0	*	-	43	39	*	0.20	
	Cuxhaven ...	29.16	45	WSW	2	+	29.61	+67	41	40	0	WNW	5	0	*	-	46	41	*	0.20	
	The Helder ...	29.48	42	NW	7	bc	29.75	+87	42	41	-2	W	4	b	3	-	45	41	*	0.04	
	Brussels ...	*	*	*	*	*	29.99	+97	37	36	-7	SW	2	c	*	-	51	35	*	0.08	
	Berlin ...	29.32	46	SSE	2	0	29.69	+48	40	38	-2	W	3	bc	*	-	50	39	*	0.04	
SPAN. PEN.	Frankfurt ...	29.39	46	SW	3	0	29.90	+81	39	36	-3	W	3	0	*	-	50	39	*	0.04	
	Munich ...	29.46	40	SW	3	b	30.00	+73	34	32	-3	W	6	c	*	-	48	34	*	0.12	
	C. Gris Nez ...	29.58	43	NW	5	bc	29.91	+94	43	41	-3	WSW	4	b	3	-	48	41	*	0.04	
	Brest ...	29.86	49	NW	3	0	30.06	+63	50	50	+2	SW	3	0	4	-	52	48	*	-	
	Lorient ...	29.97	49	NW	6	+	30.05	+65	50	49	+2	W	5	0	6	-	54	37	*	0.28	
	Rochefort ...	29.83	50	WNW	6	bc	30.44	+60	48	47	-4	SSW	1	c	*	bc	54	41	*	0.04	
	Biarritz ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Paris ...	29.67	44	NNW	4	0	30.09	+94	33	33	-12	SSW	2	b	*	-	47	32	*	0.04	
	Belfort ...	29.43	39	WSW	7	+	30.11	+87	35	33	-5	WSW	4	0	*	-	44	33	*	0.35	
	Lyons ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Nice ...	29.40	51	W	1	b	29.69	+12	50	39	+10	E	5	b	4	-	61	40	*	-		
Perpignan ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
SPAN. PEN.	Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Lisbon ...	30.36	56	W	3	0	30.36	-02	54	52	-1	N	1	0	*	-	61	52	*	-	
	Azores (P. Delgada)	30.45	57	Z	0	0	30.37	-13	55	52	-2	W	3	c	2	-	61	54	*	-	
SPAN. PEN.	„ (Horta) ...	29.45	54	WSW	2	0	30.36	-16	55	52	-1	W	1	0	1	-	63	54	*	0.04	

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

+ Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

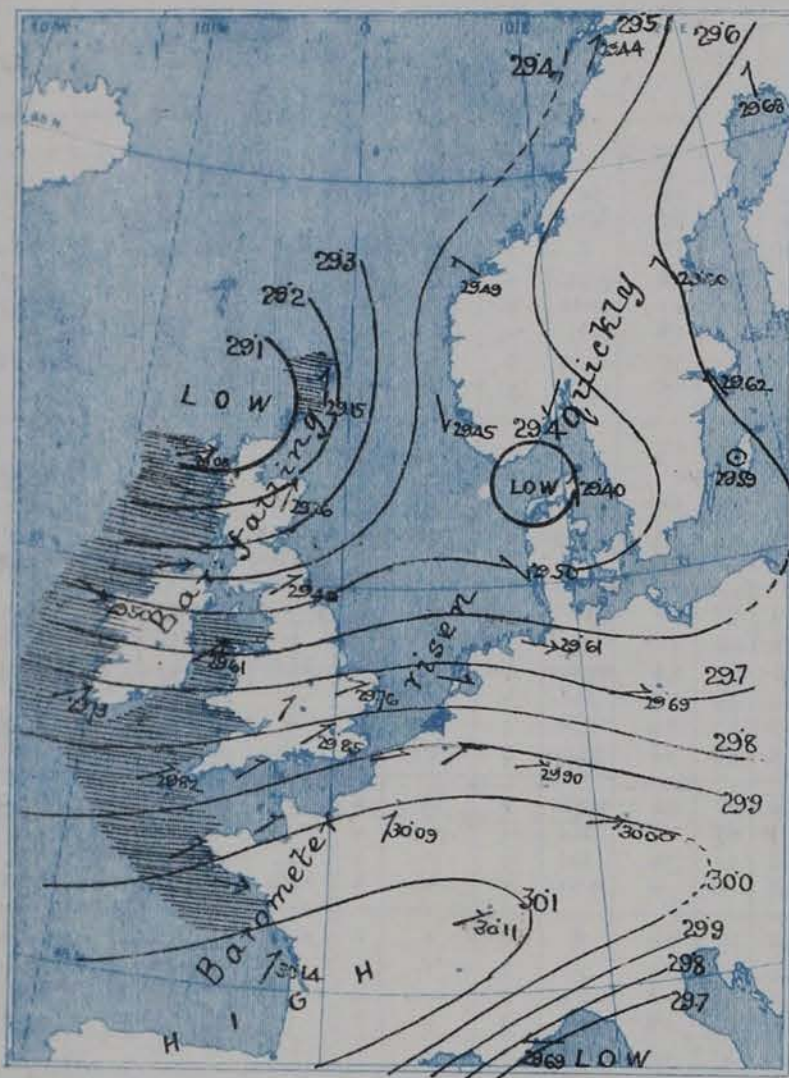
FOR WEDNESDAY, 4<sup>th</sup> MARCH, 1903.

## I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉  
Force 8 to 10 → Force 1 to 4 → }  
SEA—Rough High

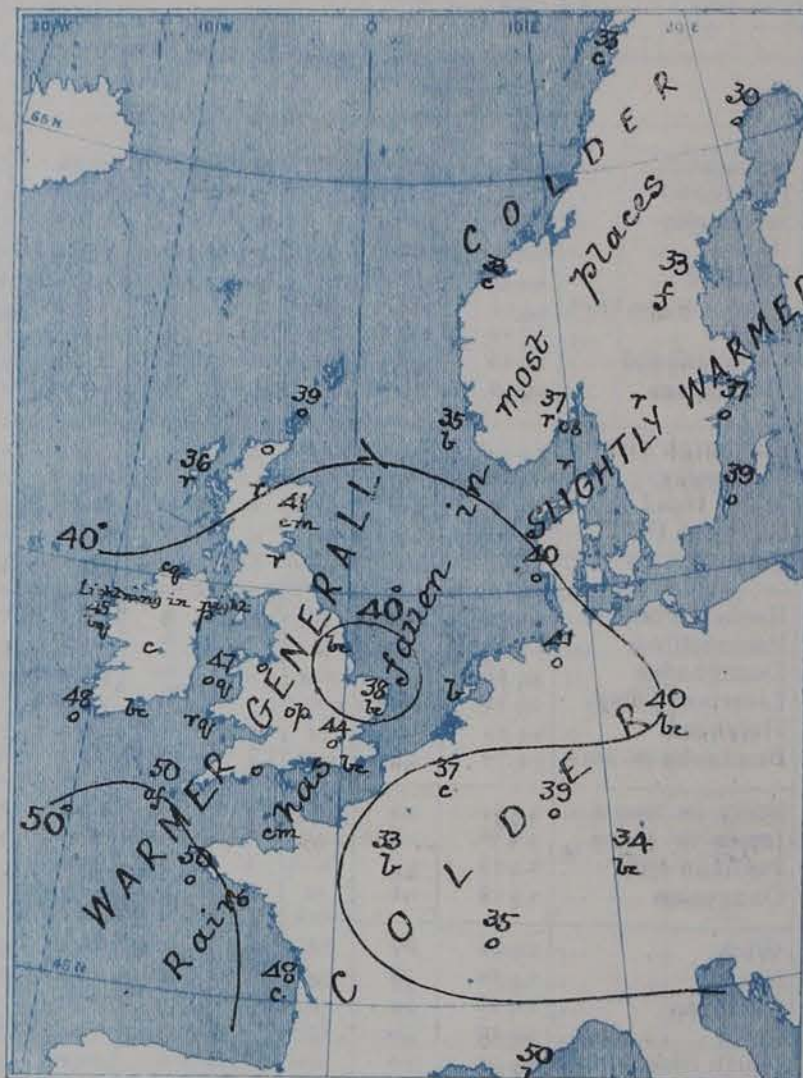


## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0.6.



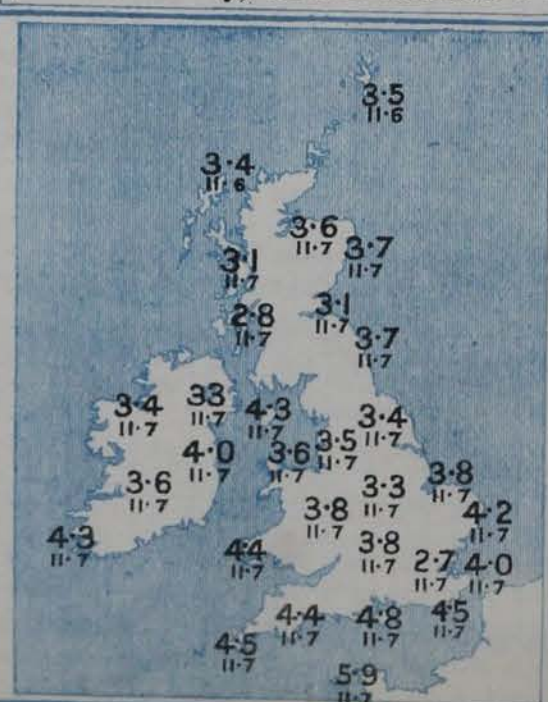
## III. BAROMETER AND WIND

Yesterday morning.



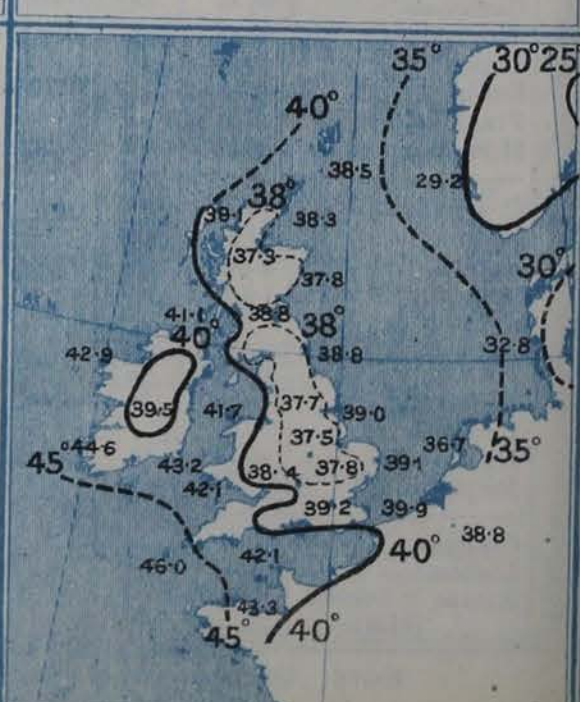
## IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration, for MARCH

Specimen { Average N° of Hours daily } 3.4  
(for Stornoway) { Total Possible } 11.6



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period  
FEBRUARY MARCH (1871 1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The cyclonic system of yesterday has moved eastwards to the North Sea, the lowest pressure, 28.9 in. and less, being now found in an elongated area stretching from the south-west of Norway to the Dutch and Norfolk coasts, and containing apparently two minima. In the rear of the disturbance the barometer is rising briskly over the whole of the United Kingdom, but is still falling in Norway, Denmark and Germany. The highest pressures, 30.3 ins. and upwards, are reported over the southern part of the Spanish Peninsula.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind has shifted to the N.W.<sup>d</sup> or N.<sup>d</sup> over the whole of these Islands, and still blows strongly on many parts of the English and Welsh coasts, with a gale at Holyhead and Portland Bill; a N.W.<sup>ly</sup> gale is also reported in the west of France. Over the Netherlands and Germany the wind is S.W.<sup>ly</sup>, while in Denmark and Scandinavia it is S.<sup>ly</sup> or S.E.<sup>ly</sup>, with a gale at Skudesnaes. Temperature has risen over all the more northern parts of our Islands, but has fallen at many of our southern stations. In the former localities the morning readings are mostly below 40°; the lowest reported being 33° at Newton Reigny (Pennith); at several of our southern stations the thermometer stands at or slightly above 45°. The weather has improved somewhat over the United Kingdom generally, but is still showery in places; sleet is reported at Stornoway. At nearly all the Continental stations the sky is overcast, with rain in many places, and snow at Herneøsand. The sea is very high at the mouth of the Channel, high in the Bay of Biscay and at Skudesnaes, and rough or rather so on all our own western and southern coasts. During yesterday the thermometer rose to 50° or slightly above it at most of our western and southern stations. The amount of bright sunshine was everywhere small; in many parts of England there was none. Rain fell over North-western Europe generally—heavily in the south-west of England and the north of France; lightning was seen at Rochelle Point.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer appears to be still rising briskly in the extreme west, but the wind there has fallen light, and is inclined to back. It is therefore likely that in the course of the next 24 hours another low pressure system will appear in that region, and that the wind will return to the W.<sup>d</sup> or S.W.<sup>d</sup> on our western coasts generally.

## FORECASTS\*

For the 24 hours ending at NOON on 4<sup>th</sup> March, 1903

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

N.W.<sup>ly</sup> winds, backing later; some cold showers at first, then fair.

N.W.<sup>ly</sup> and N.<sup>ly</sup> winds, strong at first, but moderating later; squally and showery, then fair. Becoming colder, frost at night.

- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH

Same as Nos. 0 and 1.

N.W.<sup>ly</sup> winds, strong at first, moderating and backing later; fair generally.

Wind backing to the W.<sup>d</sup> or S.W.<sup>d</sup>, fair at first, some rain later.

### WARNINGS

The South Cone is still flying in district 10.

*Note.*—The South Cone, point downwards (⌣), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (⌣), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page.



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.							
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.	
					Ins.	Change.	Dry.	Wet.	Change					Max.	Min.			
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	†	*	†, 0	47	41	0.0	0.36	
Newton Reigny (Penrith)	28.54	38	SE 1	†	29.16	+11	33	31	+1	NNW 3	6	*	0.5, 0.2	39	31	0.0	0.51	
Bath ... ..	28.82	49	? 6	0	29.20	-01	44	40	-1	NW 4	0	*	—	54	43	0.0	0.56	

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m. ....	48	33	0, 0, 0, 0	0.0	0.26	Eastbourne ... ..	*	*	*	0.0	*
Rhyl ... ..	*	*	*	?	*	Hastings ... ..	*	*	*	0.0	*
Llandudno ... ..	*	*	*	0.9	*	Lowestoft, to 6 p.m. ...	46	32	0, 0, 0, 0	0.0	0.18
Aberystwyth, to 6 p.m. ...	49	44	0	0.0	0.10	Harrogate, to 6 p.m. ...	43	32	0, 0, 0, 0	0.0	0.45
Plymouth, to 9 p.m. ....	54	35	0, 0, 0, 0	1.1	0.42	Manchester, to 9 p.m. ...	47	33	0, 0, 0, 0	0.0	0.29
Worthing ... ..	*	*	*	0.2	*	Darwen, to 9 p.m. ...	44	29	0, 0, 0, 0	0.0	0.99
Brighton ... ..	*	*	*	0.3	*	Birmingham, to 9 p.m. ...	48	32	0, 0, 0, 0	0.0	0.23

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 2 March 1903.	TEMPERATURE F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Utrecht ... ..	48	37	0 0	0.12	Tunis ... ..	68	50	0 0	Ins.
Madrid ... ..	61	36	0 0	-	Algiers ... ..	72	59	0 0	-
Vienna ... ..	52	36	0 0	0.04	Madeira (Funchal) ...	66	48	0 0	-
St. Petersburg ... ..	37	30	0 0	-	1. March 1903. 1 p.m. Information not yet recd. 1 p.m. Measured 7 a.m.				
Trieste ... ..	52	43	0 0	0.08	Lugano ... ..	-	-	-	-
Florence ... ..	60	33	0 0	-	Davos ... ..	-	-	-	-
Rome ... ..	63	43	0 0	-	Lucerne ... ..	-	-	-	-
Corsica (I. Sanguinaires) ...	64	50	0 0	-	Lausanne ... ..	-	-	-	-
Naples ... ..	57	49	0 0	-					
Palermo ... ..	69	42	0 0	-					
Malta ... ..	63	54	0 0	-					

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland ... ..	8 a.m. ( " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France ... ..	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal ... ..	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Point Delgada ...	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
{ Horta ... ..	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

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

3 March 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6.38	12.5	5.32
Greenwich ... ..	6.44	12.12	5.40
Wick ... ..	7.5	12.24	5.43
Valencia ... ..	7.26	12.53	6.20

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.

" Weekly " " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

† At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on THURSDAY 5<sup>th</sup> MARCH.

1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)						THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.		BAROMETER.		TEMPERATURE.				WIND.		Sea (0 to 9.)	Weather.	Temp.				
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather.	Max.			Min.	Sun- shine. — Hours.	Rainfall. — Ins.		
																					Ins.	°
SCANDINAVIA.	Haparanda ...	29.65	34	S	4	o	29.45	-23	33	32	+3	S	4	S	*	-	34	25	*	0.35		
	Hernösand ...	29.46	33	SE	6	f	29.26	-34	33	33	0	SSW	4	o	*	-	34	30	*	0.32		
	Stockholm ...	29.61	37	Z	0	o	29.51	-11	37	36	0	SSW	4	b	*	-	39	34	*	0.04		
	Wisby ...	29.71	39	Z	0	o	29.69	+10	38	37	-1	SSW	2	b	*	-	43	32	*	0.08		
	Karlstad ...	29.45	37	SE	4	c	29.47	-03	36	36	-1	SSW	4	o	*	c, t	*	*	*	0.28		
	Færder (X'ania Fjord)	29.36	38	SW	4	r	29.42	-01	39	39	+2	WSW	6	m	3	-	39	36	*	0.24		
	Bodö ...	29.37	31	E	4	b	29.06	-35	40	36	+7	SSE	4	o	2	-	40	30	*	-		
	Christiansund ...	29.10	33	ESE	1	b	29.09	-40	40	36	+7	WSW	4	c	4	-	40	32	*	-		
Skudesnaes ...	29.29	41	W	6	o	29.37	-08	41	39	+6	WSW	6	c	4	c, o	41	32	*	*			
BRITISH ISLANDS.	Sumburgh Head ...	28.99	40	WSW	5	o	29.11	-04	38	37	-1	WSW	5	o	7	r, b, o	43	35	*	0.38		
	Stornoway ...	29.09	40	NNW	6	o	29.24	+16	36	34	0	W	4	o	4	ohp, o	45	34	4.2	0.25		
	Malin Head ...	29.44	40	NNW	8	cq, p	29.53	+20	36	35	-8	NW	7	b, h, q	5	bc, cq, p	44	35	*	0.24		
	Blacksod Pt. ...	29.56	45	W	6	cq, h, p	29.64	+14	41	38	-4	W	5	cq, p, m	4	bp, h, p, t	48	34	*	0.13		
	Valencia ...	29.75	46	WSW	4	op	29.81	+08	43	39	-5	WSW	5	bc	5	om, op	50	39	0.0	0.16		
	Roche's Point ...	29.77	48	W	4	o	29.81	+10	41	40	-8	WNW	3	c	2	o, t	51	40	*	0.05		
	Parsonstown ...	29.67	42	WSW	1	o	29.75	+14	35	34	-11	SW	1	b	*	b, o, p	50	34	5.0	0.18		
	Donaghadee ...	29.55	43	WSW	3	cp	29.62	+16	36	34	-9	WSW	3	bc	2	-	49	33	*	0.04		
Liverpool Obsy. ...	29.70	46	W	4	cp	29.73	+11	41	39	-6	W	3	bc	3	cp	51	39	*	0.12			
Holyhead ...	29.68	46	WSW	4	cp	29.74	+13	42	39	-5	WNW	3	c	3	dp, c, p	50	39	*	0.07			
Pembroke (St. Ann's)	29.79	48	WSW	6	o	29.79	+05	44	42	-4	NW	3	og	4	o, t	50	42	1.5	0.32			
GERMANY, &c.	Scilly (St. Mary's)...	29.88	52	SW	4	o	29.83	+01	48	47	-2	NW	4	t	5	o	54	47	4.8	0.14		
	Jersey (St. Aubins)...	30.03	50	WSW	5	bc	29.93	-07	50	49	+4	SW	5	op	4	ohp, bc	53	46	2.3	0.07		
	Portland Bill ...	29.91	49	WSW	3	c	29.82	-06	46	46	-2	WNW	2	t	3	c	50	45	*	0.14		
	Dungeness ...	29.87	47	W	5	c, d, p	29.79	-11	48	48	+2	SW	6	dm	4	o, c, d, p	48	45	*	0.07		
	Wick ...	29.14	39	WNW	5	c	29.27	+21	35	34	-7	NW	3	bc	2	c, s, p, t	46	33	*	0.03		
	Nairn ...	29.24	36	WSW	3	o	29.34	+19	34	34	-6	WSW	3	c	2	-	43	32	*	0.37		
	Aberdeen ...	29.34	41	SW	4	b	29.44	+18	36	33	-5	SW	4	b	2	p, b	48	35	5.2	0.01		
	Leith ...	29.42	41	WSW	3	c	29.52	+19	38	35	-6	SW	2	bc, m	*	-	48	35	*	0.04		
North Shields ...	29.52	47	WSW	3	c	29.61	+15	40	37	-3	W	3	b	3	p, c	51	36	*	-			
FRANCE.	Spurn Head ...	29.68	45	WSW	4	bc	29.66	+01	41	40	+3	WNW	4	cp	3	-	52	37	*	0.10		
	Yarmouth ...	29.71	51	WNW	4	cg	29.70	-06	46	45	+8	WNW	3	rf	3	o, cg	52	36	*	0.11		
	Loughborough ...	29.86	48	WSW	3	o	29.78	-06	45	44	+3	WSW	3	ot	*	b, o, t	53	42	*	0.17		
	Oxford ...	29.85	50	W	3	bc	29.77	-08	46	46	+2	W	4	ogt	*	ag, o, t, q	55	43	1.0	0.07		
	London (Brixton)...	29.85	50	W	3	bc	29.77	-08	46	46	+2	W	4	ogt	*	ag, o, t, q	55	43	1.0	0.07		
	The Scaw (Skagen)	29.45	40	SW	5	r	29.54	+14	39	38	0	WSW	4	m	1	-	41	37	*	0.04		
	Fanö ...	29.65	41	W	4	b	29.70	+20	40	40	0	SSW	2	c	*	-	43	39	*	0.08		
	Cuxhaven ...	29.80	45	WSW	4	o	29.80	+19	45	44	+4	SW	4	o	*	-	46	41	*	0.08		
The Helder ...	29.75	45	SW	7	o	29.71	-04	45	45	+3	SW	3	t	3	-	46	41	*	0.24			
SPAIN, &c.	Brussels ...	*	*	*	*	*	29.81	-08	49	48	+12	SW	5	t	*	-	49	36	*	-		
	Berlin ...	29.98	41	SW	2	c	29.98	+29	41	40	+1	SW	2	o	*	-	45	36	*	0.08		
	Frankfurt ...	30.08	44	SW	3	c	30.04	+14	44	42	+5	SW	2	o	*	-	48	39	*	-		
	Munich ...	30.21	36	SW	3	b	30.21	+21	36	32	+2	SW	3	c	*	-	41	30	*	-		
	C. Gris Nez ...	29.89	47	SW	6	f	29.80	-11	47	47	+4	SSW	5	f	5	-	48	43	*	0.04		
	Brest ...	30.06	53	SW	3	f	29.93	-13	51	50	+1	SW	4	o	4	-	54	50	*	-		
	Lorient ...	30.13	51	W	4	m	29.99	-06	50	50	0	SW	5	o	4	-	55	41	*	-		
	Rocheport ...	30.19	52	SW	3	m	30.12	-02	51	51	+3	SSW	4	m	*	o, m	54	48	*	-		
FRANCE.	Biarritz ...	30.34	55	WSW	3	bc	30.23	-05	51	51	-2	Z	0	m	3	-	57	45	*	0.04		
	Paris ...	30.08	49	SW	3	o	30.04	-05	50	49	+17	SW	3	o	*	-	51	33	*	-		
	Belfort ...	30.21	40	SW	3	m	30.20	+09	40	40	+5	WSW	2	f	*	-	46	35	*	-		
	Lyons ...	30.28	44	NE	1	b	30.25	+02	43	40	+5	ESE	1	c	*	-	52	38	*	-		
	Nice ...	29.98	53	SE	1	b	30.16	+47	46	38	-4	E	2	b	2	-	64	45	*	-		
	Perpignan ...	30.22	57	N	2	c	30.20	44	43			SW	1	b	*	-	63	43	*	-		
	Corunna ...	30.30	55	N	4	o	30.29	-07	53	52	-1	N	3	o	*	-	59	52	*	-		
	Lisbon ...	30.36	55	NNW	3	bc	30.37	+00	56	54	+1	WNW	2	t	1	-	61	54	*	-		
SPAIN, &c.	Azores (P. Delgada)	30.34	59	SW	4	o	30.40	+04	52	51	-3	NNE	4	t	3	-	61	52	*	0.24		

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR *Thursday, 5<sup>th</sup> March, 1903.*

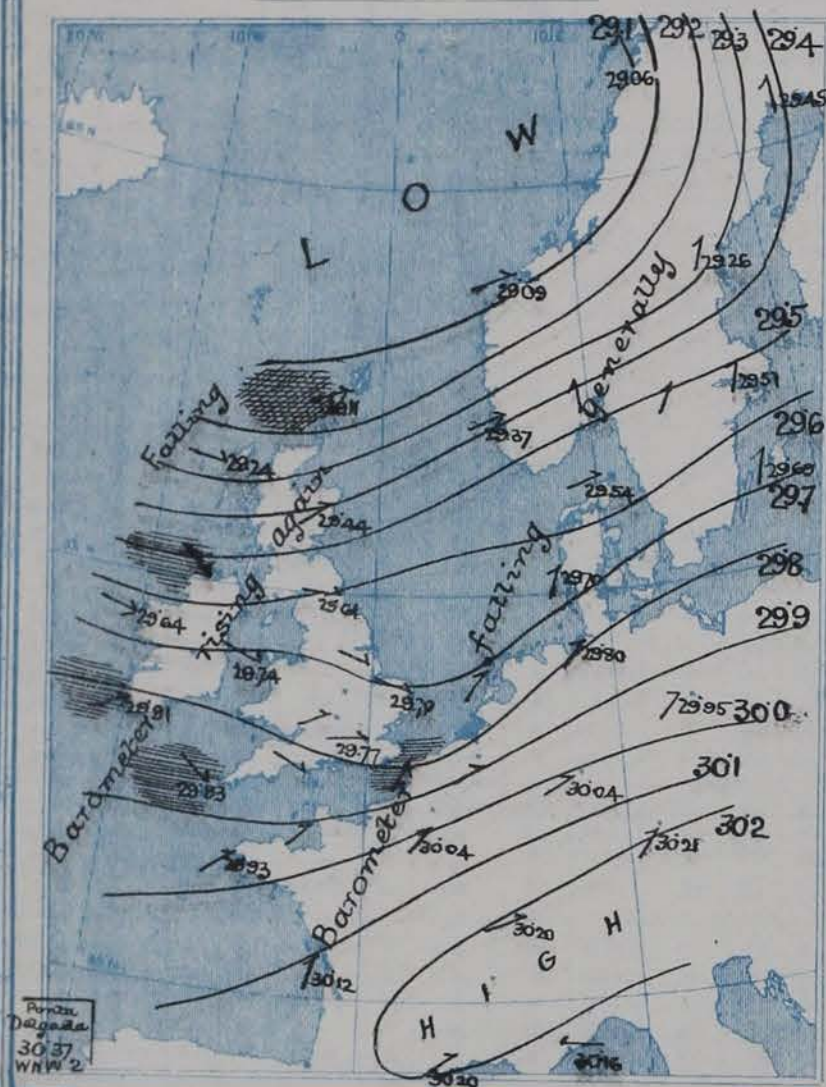
## I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉  
Force 8 to 10 → Force 1 to 4 →

SEA.—Rough High



## II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—.06



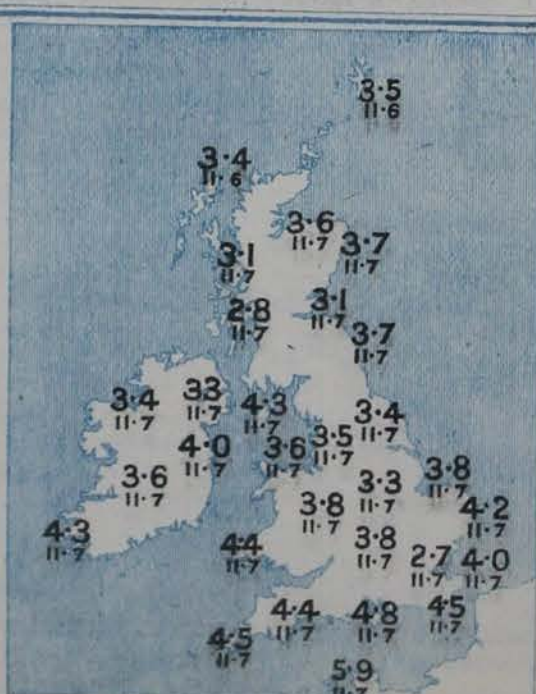
## III. BAROMETER AND WIND

*Yesterday morning.*



## IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration. for MARCH

Specimen { Average No of Hours daily } 3.4  
(for Stornoway) { Total Possible } 11.6



## V. Means of DAILY TEMPERATURE at 8 A.M. for the Two monthly period FEBRUARY MARCH (1871 1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The centre of a new cyclonic system (apparently of moderate depth) has arrived off the north of Scotland, and the barometer is now falling again at many of our western and northern stations, the readings in the extreme north being below 29.1 in. In all other parts of Western Europe the mercury is at present rising, the highest readings, 30.1 in. and upwards, being found in an anticyclone which has spread over France from the south-westward. Gradients are moderate over the northern parts of our Islands, but slight elsewhere.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is W<sup>ly</sup> or S.W<sup>ly</sup> over the greater part of Western Europe, and blows with the force of a moderate gale on all the more exposed parts of our north-west coasts. In Sweden it is light to moderate from the S<sup>ly</sup> or S.E<sup>ly</sup>, while in the south of Norway it is light from the N<sup>ly</sup>. With the return of the wind to the W<sup>ly</sup> the thermometer has risen over nearly the whole of the United Kingdom, and is again above the normal at all, but our east coast stations; at many places in the west and south it is above 45°, while at Scilly it stands at 56°. Over France, Germany and the Netherlands the thermometer has fallen and is now below the average, the lowest readings reported being 33° at Paris and 34° at Munich. The weather is fine on the east and south-east coasts of England, and in neighbouring parts of the Continent, but is cloudy or dull elsewhere with rain or passing showers at several of our own western and northern stations, as well as in the north of Denmark and the south of Norway. The sea is rough on our extreme western and northern coasts, and also at the mouth of the Channel, but is moderate or slight elsewhere.

Rain fell yesterday in most parts of our area, but not in any great quantity. The amount of bright sunshine was large in the west of our Islands (more than 8 hrs. in several places), but small elsewhere. Frost occurred last night in many parts of Great Britain. Lightning was seen in the north of Ireland.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance off the north of Scotland is likely to travel away to the northward or north-eastward. The distribution of pressure is, however, favourable for the advance of other low pressure systems from the Atlantic, and mild unsettled weather is still probable with freshening winds from the S.W<sup>ly</sup> in most districts.

## FORECASTS \*

For the 24 hours ending at NOON on 5<sup>th</sup> March, 1903

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	W <sup>ly</sup> winds, strong; unsettled, some sleet or cold rain.
1	SCOTLAND EAST	S.W <sup>ly</sup> winds, strong in places; changeable, some showers.
2	ENGLAND N.E.	
3	ENGLAND EAST	W <sup>ly</sup> and S.W <sup>ly</sup> winds, freshening; mild, changeable, some showers.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	W <sup>ly</sup> to S.W <sup>ly</sup> winds, strong, a gale in places; squally, showery.
7	ENGLAND N.W.	
8	ENGLAND S.W.	W <sup>ly</sup> and S.W <sup>ly</sup> winds, fresh or strong; squally, showery.
9	IRELAND NORTH	Same as Nos. 6 and 7.
10	IRELAND SOUTH	Same as No. 8.

### WARNINGS

At 7.15 p.m. yesterday to districts 6, 7, 9 and part of 0, Hoist South Cone.

Note.—The South Cone, point downwards (⌵), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.  
The North Cone, point upwards (⌴), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page.



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.						PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	c	*	c, b	46	35	3.0	0.01
Newton Reigny (Penrith)	29.57	39	NW 2	b	29.46	+30	43	42	+10	SW 3	r	*	b	45	32	8.7	0.01
Bath ... ..	29.70	46	NW 3	b	29.82	+62	45	44	+1	?NW 3	bc	*	-	51	34	5.0	-

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	47	40	op, b	8.9	0.03	Eastbourne ... ..	*	*	*	1.8	*
Rhyl ... ..	*	*	*	5.8	*	Hastings ... ..	*	*	*	1.0	*
Llandudno ... ..	*	*	*	7.9	*	Lowestoft, to 6 p.m. ...	46	41	op, od, bc	2.0	0.03
Aberystwyth, to 6 p.m. ...	46	41	bc	7.0	0.12	Harrogate, to 6 p.m. ...	48	37	c, r, b	8.3	0.12
Plymouth, to 9 p.m....	48	39	b	8.9	0.08	Manchester, to 9 p.m. ...	46	39	od, sm	5.5	0.09
Worthing ... ..	*	*	*	3.6	*	Darwen, to 9 p.m. ...	43	35	r, o, c, b, v	5.2	0.40
Brighton ... ..	*	*	*	3.7	*	Birmingham, to 9 p.m. ...	47	39	o, c	4.0	-

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 3 March 1908.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Utrecht ... ..	46	37	r	0	Tunis ... ..	66	43	c, f	Ins.
Madrid ... ..	48	34	o	c	Algiers ... ..	64	54	b, f	—
Vienna ... ..	34	19	b	f	Madeira (Funchal) ...	Not rec.	—	—	—
St. Petersburg ... ..	52	43	b	f					
Trieste ... ..	57	43	o	r					
Florence ... ..	57	45	b	r					
Rome ... ..	61	45	f	f					
Corsica (I. Sanguinaires) ...	57	47	o	o					
Naples ... ..	62	46	o	o					
Palermo ... ..	64	54	?	o					
Malta ... ..									

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.  
\* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard Time.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.† (W.B.T.)	6 p.m.†
Holland ... ..	8 a.m. ( " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France ... ..	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Horta ... ..	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

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

4 March 1908.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6.36	12.5	5.34
Greenwich ... ..	6.42	12.12	5.42
Wick ... ..	7.3	12.24	5.45
Valencia ... ..	7.24	12.53	6.22

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.  
" Weekly " " " " £1 10 0 " " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

† At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on

FRIDAY 6<sup>TH</sup> MARCH

1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMPERATURE.				WIND.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Inch.
		At 82° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 82° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Max.				Min.			
																			Ins.		
SCANDINAVIA.	Haparanda ...	29.25	32	S	4	s	29.38	-0.7	31	30	-2	SW	4	o	*	-	34	32	*	0.20	
	Hernösand ...	29.41	33	Z	0	b	29.44	+1.8	22	21	-11	Z	0	b	*	-	41	32	*	0.04	
	Stockholm ...	29.61	36	SW	2	b	29.64	+1.3	34	33	-3	SW	2	b	*	-	45	34	*	-	
	Wisby ...	29.69	39	S	2	+	29.75	+0.6	35	33	-3	Z	0	b	*	-	41	34	*	0.24	
	Karlstad ...	29.58	36	W	2	b	29.64	+1.7	33	32	-3	SW	2	b	*	b, r	*	*	*	-	
	Færder (X'ania Fjord)	29.53	39	WSW	5	b	29.66	+2.4	38	37	-1	SW	5	m	3	-	41	37	*	-	
	Bodö ...	29.12	39	SE	2	b	29.15	+0.9	36	35	-4	E	4	c	1	-	40	34	*	0.16	
	Christiansund ...	29.25	38	W	6	b	29.30	+2.1	39	35	-1	W	6	o	5	-	43	37	*	-	
	Skudesnaes ...	29.54	40	WSW	6	c	29.60	+2.3	39	37	-2	SW	4	o	4	c	41	37	*	*	
	Sumburgh Head	29.23	38	WSW	5	bc	29.28	+1.7	37	36	-1	WSW	5	o	6	o, sp, bc	41	34	*	0.20	
Stornoway ...	29.38	38	W	5	o	29.48	+2.4	38	35	+2	W	4	o	4	chp, o	44	33	4.7	0.15		
Malin Head ...	29.62	38	NW	7	bc, r, hq	29.74	+2.1	37	36	+1	WNW	6	chp	5	bc, r, hq	41	35	*	0.58		
Blacksod Pt. ...	29.76	41	NNW	5	b, h, p	29.88	+2.4	40	39	-1	W	6	cq, h, p	4	b, h, p, l	45	36	*	0.10		
Valencia ...	29.95	44	W	5	bcq	30.07	+2.6	42	40	-1	WSW	4	chp	4	bc, r, bcq	46	38	6.0	0.23		
BRITISH ISLANDS.	Roche's Point ...	29.93	44	WNW	4	bc	30.10	+2.9	40	39	-1	WNW	3	cp	2	bc, p, bc	48	36	*	0.02	
	Parsonstown ...	29.86	38	SW	3	+	30.00	+2.5	35	34	0	SSW	3	bc	*	o, r, h, p, r, s	45	33	5.5	0.16	
	Donaghadee ...	29.72	40	WSW	2	bc	29.88	+2.6	35	34	-1	WNW	3	bc	2	-	46	33	*	0.03	
	Liverpool Obsy.	29.85	41	W	2	b	30.01	+2.8	39	36	-2	WSW	3	b	3	p, b	46	36	*	0.03	
	Holyhead ...	29.83	41	W	4	chp	29.99	+2.5	40	38	-2	W	4	bc	3	b, chp	46	38	*	-	
	Pembroke (St. Ann's)	29.91	45	WNW	4	c	30.11	+3.2	44	40	0	WNW	6	b	4	-	46	39	1.7	0.02	
	Scilly (St. Mary's)...	29.95	46	WNW	5	c	30.22	+3.9	44	41	-4	W	5	cp	5	o, c	49	40	9.2	0.15	
	Jersey (St. Aubins)...	29.95	47	SW	3	od	30.25	+3.2	44	40	-6	WNW	3	bc, m	3	o, p, od, gp	53	42	0.0	0.20	
	Portland Bill ...	29.95	43	NNW	3	+	30.16	+3.4	43	41	-3	WNW	4	bc	4	r	48	40	*	0.19	
	Dungeness ...	29.90	45	N	2	+	30.12	+3.3	40	38	-8	WNW	3	b	1	r	49	35	*	0.17	
Wick ...	29.39	38	W	3	bc	29.46	+1.9	35	34	0	WSW	4	c	2	-	42	32	*	0.03		
Nairn ...	29.46	34	W	5	o	29.54	+2.0	35	34	+1	W	3	o	2	-	40	32	*	0.19		
Aberdeen ...	29.54	38	SW	5	b	29.62	+1.8	37	34	+1	SW	4	b	2	b	45	34	8.8	-		
Leith ...	29.61	38	WSW	2	o	29.73	+2.1	38	36	0	SW	3	+	*	+sp, o	45	33	*	0.32		
North Shields ...	29.67	44	WSW	3	c	29.82	+2.1	38	36	-2	SW	3	bm	2	c	47	36	*	-		
Spurn Head ...	29.77	41	WSW	4	bc	29.94	+2.8	37	35	-4	SW	4	b	3	-	45	35	*	-		
Yarmouth ...	29.81	45	W	3	bc	29.99	+2.9	35	34	-11	W	3	b	3	bc	47	31	*	0.07		
Loughborough ...	29.81	45	W	3	bc	29.99	+2.9	35	34	-11	W	3	b	3	bc	47	31	*	0.07		
Oxford ...	29.94	40	W	3	b	30.12	+3.4	36	34	-9	WSW	2	b	*	p, o, b	46	34	*	0.01		
London (Brixton)...	29.89	44	W	3	o	30.11	+3.4	36	35	-10	WSW	2	b	*	rg, o, b	48	34	0.0	0.11		
GERMANY, &c.	The Scaw (Skagen)	29.64	38	W	2	m	29.71	+1.7	35	35	-4	WSW	3	c	1	-	45	34	*	0.04	
	Fanö ...	29.78	38	W	2	b	29.84	+1.4	38	37	-2	SW	1	b	*	-	41	37	*	0.20	
	Cuxhaven ...	29.81	43	W	2	+	29.91	+1.1	41	40	-4	WSW	1	b	*	+	48	39	*	0.47	
	The Helder ...	29.85	42	W	1	o	29.97	+2.6	42	40	-3	W	3	b	3	-	45	39	*	0.24	
	Brussels ...	*	*	*	*	*	30.09	+1.8	41	40	-8	W	1	o	*	-	55	39	*	0.35	
	Berlin ...	29.89	50	S	3	o	29.89	-0.9	41	41	0	NW	3	+	*	-	52	39	*	-	
	Frankfurt ...	29.95	52	SW	2	o	29.88	-1.6	47	45	+3	W	2	o	*	-	52	44	*	-	
	Munich ...	30.14	41	SW	2	b	30.06	-1.5	43	43	+7	SW	4	o	*	-	55	36	*	0.04	
FRANCE.	C. Gris Nez ...	29.87	39	NW	4	m	30.08	+2.8	41	39	-6	WSW	4	b	4	-	48	39	*	0.47	
	Brest ...	30.03	46	NW	3	o	30.30	+3.7	45	41	-6	NW	3	c	4	-	51	43	*	0.24	
	Lorient ...	30.02	48	N	4	c	30.32	+3.3	45	45	-5	NNW	4	c	4	-	55	41	*	-	
	Rochefort ...	30.12	54	SW	4	o	30.30	+1.8	46	45	-5	N	4	c	*	c, o	57	43	*	0.12	
	Biarritz ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Paris ...	30.00	54	SW	3	o	30.16	+1.2	41	40	-9	NNW	3	b	*	-	56	41	*	0.16	
Belfort ...	30.09	51	WSW	4	o	30.03	-1.7	46	43	+6	WSW	4	+	*	-	58	40	*	0.16		
Lyons ...	30.16	37	SE	1	o	30.21	-0.4	47	46	+4	NE	1	o	*	-	61	43	*	0.08		
Nice ...	30.19	50	Z	0	c	30.14	-0.2	43	35	-3	E	1	b	1	-	61	43	*	-		
Perpignan ...	30.17	54	E	1	b	30.23	+0.3	54	49	+10	NW	3	c	*	-	67	44	*	-		
SPAN. PEN.	Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Lisbon ...	30.32	53	N	4	b	30.02	-2.7	53	48	0	N	4	b	*	-	59	52	*	-	
	Azores (P. Delgada)	30.54	54	NNE	5	b	30.56	+1.9	54	52	-2	NE	4	bc	3	-	61	52	*	-	
„ (Horta) ...	30.58	54	ENE	3	o	30.59	+1.9	54	50	+2	NNW	2	c	2	-	59	52	*	-		

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR FRIDAY, 6<sup>TH</sup> MARCH, 1903.

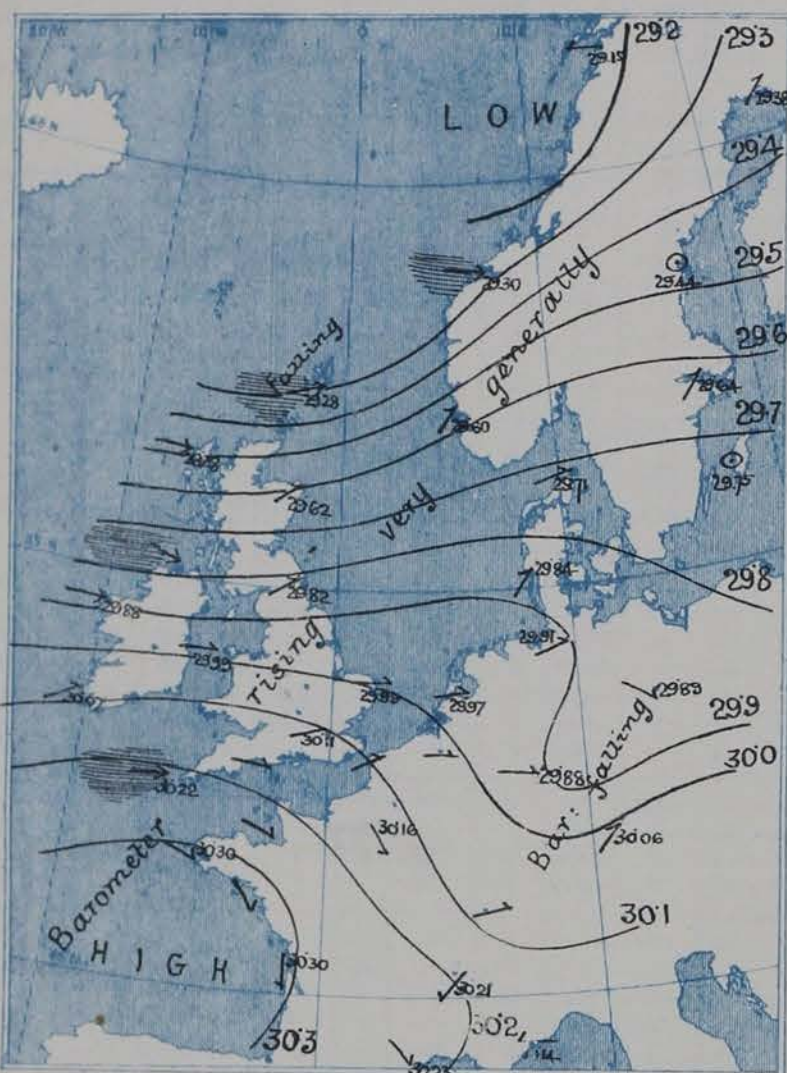
## I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉  
Force 8 to 10 → Force 1 to 4 →

SEA.—Rough High



## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6



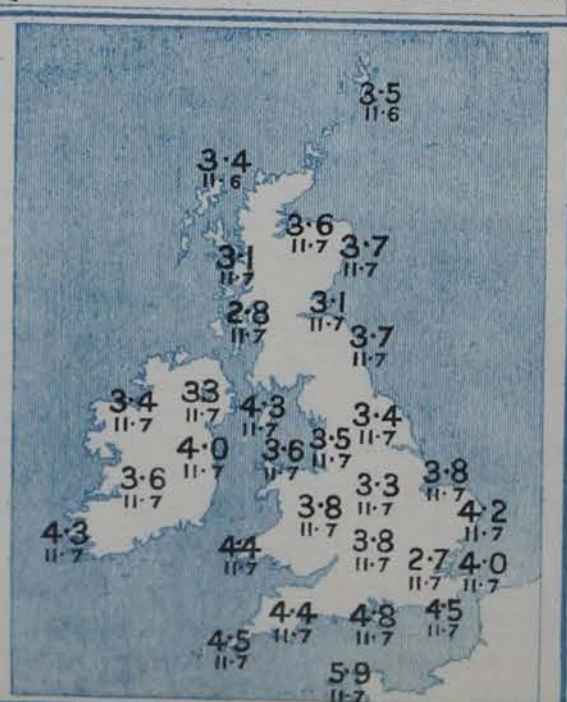
## III. BAROMETER AND WIND

Yesterday morning.



## IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration. for MARCH

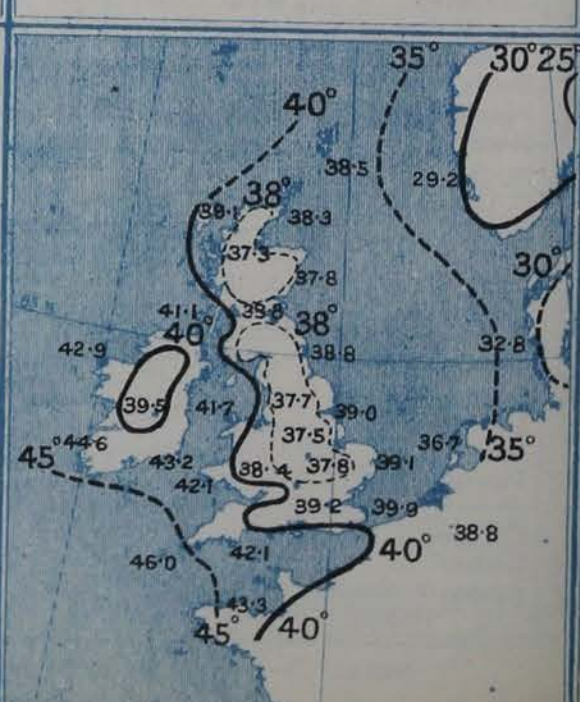
Specimen { Average No of Hours daily } 3.4  
(for Stornoway) { Total Possible } 11.6



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

FEBRUARY MARCH (1871 1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The cyclonic system noticed yesterday off the north of Scotland has travelled north-eastwards, and is now lying off the west of Norway, in which locality the barometer has fallen below 29.1 in. In its rear the mercury is now rising over nearly the whole of the United Kingdom, but at most of the Continental stations it is again falling - briskly over the northern parts of Scandinavia. The highest readings, 30.2 in. and upwards, are found in an anticyclone lying over South Germany and the south and east of France. Gradients are moderate or slight generally, but rather steep in the neighbourhood of the Shetlands.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is W<sup>y</sup> over nearly the whole of the United Kingdom - light or moderate in force generally, but strong in the Straits of Dover and also in the extreme north of Ireland. In the western parts of the Continent it is light to fresh from the S.W., but in Sweden it is S<sup>y</sup>. Temperature has fallen in all the more western and northern parts of our Islands, and is now below the average in Ireland and Scotland, the lowest readings reported being 34° at Naism and 35° at Wick and Parsonstown. In the east and south-east of England and the western parts of the Continent the thermometer has risen, and is above the normal, the morning readings being above 45° at our own southern stations, and slightly above 50° in some parts of France.

The weather is fine over the greater part of Ireland and the northern half of Great Britain, as well as in the southern parts both of France and Sweden. Elsewhere it is mostly very cloudy, with rain over the Netherlands and the east and south of England, and snow at Haparanda.

The sea is high at Lumburgh Head and rather rough on some of the more exposed parts of our western coasts, as well as at Cape Grio Neg, moderate or slight elsewhere.

During yesterday the thermometer rose to 50° and upwards in most parts of England and the south of Ireland, and to 55° in London. The amount of bright sunshine was generally small, but was as much as 7.9 hours at Harrogate and 5.2 hours at Aberdeen. Rain has fallen over North-western Europe generally, and lightning has been seen during the night at Wick and Blackrod Point.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The conditions are still favourable for the advance of cyclonic systems from the Atlantic, and a renewed fall of the barometer which has set in at Stornoway seems to point to the early arrival of another disturbance off our north or north-west coasts. Colder and improving weather is probable over England to-day, but the change is not likely to prove lasting.

## FORECASTS \*

For the 24 hours ending at NOON on 6<sup>th</sup> March, 1903

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	W <sup>y</sup> to S.W <sup>y</sup> winds, strong; dull, some sleet or cold rain.
1	SCOTLAND EAST	W <sup>y</sup> to S.W <sup>y</sup> winds, moderate or fresh; fair at first, some cold showers later.
2	ENGLAND N.E.	
3	ENGLAND EAST	W <sup>y</sup> to S.W <sup>y</sup> winds, moderate; fair generally, colder.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Same as No. 0.
7	ENGLAND N.W.	W <sup>y</sup> to S.W <sup>y</sup> winds, freshening; fair at first, some rain later.
8	ENGLAND S.W.	
9	IRELAND NORTH	Same as No. 0.
10	IRELAND SOUTH	Same as Nos. 7 and 8.

### WARNINGS

The South Cone is still flying in districts 6, 7, 9 and part of 0.

Note.—The South Cone, point downwards (  $\nabla$  ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (  $\nabla$  ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.				
	Bar.	Temp.	Wind.	Weather.	Barometer.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun-
	Ins.	°			Ins. Change.	Dry.	Wet.	Change.					Max.	Min.	shine.
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	+	*	c, b, c	49	41	3.3
Newton Reigny (Penrith) ...	29.57	42	WSW 4	c	29.61 +15	37	35	-6	WSW 2	6	*	ch, r, b	47	34	4.0
Bath ... ..	29.85	50	W 3	b	29.77 +15	46	45	+1	W 1	0	*	-	53	45	1.6

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m. ....	49	38	op, c	1.7	0.05	Eastbourne ... ..	*	*	*	0.0	*
Rhyl ... ..	*	*	*	1.6	*	Hastings ... ..	*	*	*	0.3	*
Llandudno ... ..	*	*	*	2.1	*	Lowestoft, to 6 p.m. ...	53	33	c, b, c	4.2	-
Aberystwyth, to 6 p.m. ...	50	46	o, b	0.2	0.05	Harrogate, to 6 p.m. ...	50	33	b, c, r, b	7.9	0.04
Plymouth, to 9 p.m. ....	56	36	st, b, c, d	2.2	0.05	Manchester, to 9 p.m. ...	49	36	ou, r, c, b, o	0.5	0.13
Worthing ... ..	*	*	*	1.3	*	Darwen, to 9 p.m. ...	47	36	st, c, om	0.7	0.19
Brighton ... ..	*	*	*	0.5	*	Birmingham, to 9 p.m. ...	50	34	o, c	0.1	0.01

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 4 Mar. 1903.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.		
	Max. °	Min. °				Max. °	Min. °				
Utrecht... ..	48	36	c	2	Ins.	Tunis ... ..	57	43	o	2	Ins.
Madrid ... ..	Not recd			2	0.08	Algiers ... ..	66	54	o	0	0.43
Vienna ... ..	54	45	o	o	—	Madeira (Funchal) ... ..	64	48	6	6	—
St. Petersburg ... ..	37	23	6	o	—						
Trieste ... ..	50	41	2	6c	0.12	3 ... III ..... 1903.					
Florence ... ..	50	44	c	6	0.32	1 p.m.			1 p.m.		Measured 7 a.m.
Rome ... ..	53	45	o	o	0.67	Lugano ... ..	45	—	o		0.12
Corsica (I. Sanguinaires) ...	57	41	m	8	—	Davos ... ..	41	—	o		0.12
Naples ... ..	54	46	o	o	0.39	Lucerne ... ..	45	—	o		0.08
Palermo ... ..	60	51	6	c	0.83	Lausanne ... ..	41	—	r		0.28
Malta ... ..	58	53	?	2	0.20						

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.†
Holland ... ..	8 a.m. ( " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France ... ..	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal ... ..	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores (Point Delgada) ...	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Horta ... ..	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

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

5 ... III ... 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6.34	12.5	5.36
Greenwich ... ..	6.40	12.12	5.44
Wick ... ..	7.0	12.24	5.48
Valencia ... ..	7.22	12.53	6.24

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.  
" Weekly " " " £1 10 0 " " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

1 At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on SATURDAY 7<sup>TH</sup> MARCH 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMPERATURE.				WIND.		Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.	
		At 82° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Max.			Min.				
																		Ins.			°
SCANDINAVIA.	Haparanda ...	29.44	28	SW	4	0	29.56	+18	19	19	-12	SSW	2	f	*	-	31	19	*	-	
	Hernösand ...	29.58	31	Z	0	0	29.64	+20	24	22	+2	Z	0	f	*	-	39	21	*	-	
	Stockholm ...	29.39	37	SW	2	0	29.86	+22	36	34	+2	WSW	4	0	*	-	45	32	*	-	
	Wisby ...	29.92	37	Z	0	0	29.99	+24	35	34	0	SW	4	0	*	-	43	32	*	-	
	Karlstad ...	29.75	35	SW	4	0	29.82	+18	35	34	+2	SW	2	0	*	-	*	*	*	-	
	Færder (X'ania Fjord)	29.74	38	SW	4	0	29.81	+15	38	37	0	SW	5	0	3	-	39	37	*	-	
	Bodö ...	29.25	37	SE	2	0	29.34	+19	36	34	0	S	5	+	3	-	37	34	*	0.35	
	Christiansund ...	29.39	39	W	5	0	29.60	+30	37	36	-2	W	4	c	5	-	41	34	*	0.20	
	Skudesnaes ...	29.72	41	WSW	6	0	29.81	+21	40	38	+1	WSW	4	m	3	-	43	36	*	*	
	Sumburgh Head ...	29.44	38	W	5	+	29.69	+41	38	37	+1	WSW	2	bc	6	o, t	41	35	*	0.25	
BRITISH ISLANDS.	Stornoway ...	29.64	39	WSW	4	0	29.60	+12	35	35	-3	WSW	5	o	5	ohp, o	46	33	4.3	0.18	
	Malin Head ...	29.82	37	WNW	6	bc, hq	29.75	+01	39	38	+2	NW	4	0	4	el, bc, hq	43	34	*	0.10	
	Blacksod Pt. ...	29.92	43	WSW	4	chp	29.89	+01	42	40	+2	NW	6	cq, hpm	5	chp, l	45	34	*	0.35	
	Valencia ...	30.00	44	S	2	ov	30.03	-04	42	39	0	NW	7	thq	6	cp, ov	47	39	2.8	0.43	
	Roche's Point ...	30.08	45	WSW	2	c	29.98	-12	39	38	-1	NW	3	0	2	bc, qp, tq	48	37	*	0.35	
	Parsonstown ...	30.01	39	SW	2	bc	29.90	-10	36	34	+1	WSW	1	0	*	thp, el, bc	43	34	5.3	0.26	
	Donaghadee ...	29.94	41	WSW	2	bc	29.70	-18	38	37	+3	WSW	1	c	1	-	44	33	*	0.03	
	Liverpool Obsy. ...	30.03	42	W	4	0	29.77	-24	38	37	-1	S	2	o	2	0	45	36	*	0.01	
	Holyhead ...	30.04	43	W	3	bc	29.86	-13	41	39	+1	W	5	op	4	bc	45	38	*	0.11	
	Pembroke (St. Ann's) ...	30.12	44	WSW	6	c	29.87	-24	42	39	-2	NW	6	cq, p	5	c, qp, l	46	39	4.2	0.28	
GERMANY, &c.	Scilly (St. Mary's) ...	30.20	46	W	6	cq	29.95	-27	42	40	-2	WNW	9	chq	6	c, cq, l	49	40	6.3	0.16	
	Jersey (St. Aubins) ...	30.34	46	WSW	5	bc, q, h	30.08	-17	44	42	0	WSW	6	o, thq	5	bc, q, h	50	40	7.0	0.11	
	Portland Bill ...	30.22	45	W	4	bc	29.88	-28	44	42	+1	WSW	6	bc, q	5	c, bc	47	41	*	0.15	
	Dungeness ...	30.21	45	W	5	0	29.98	-14	45	44	+5	SW	7	c	4	0	50	39	*	-	
	Wick ...	29.61	36	WSW	4	bc	29.65	+19	38	36	+3	S	2	bc	2	sp, bc, l	44	32	*	0.01	
	Nairn ...	29.71	36	W	1	c	29.70	+16	33	32	-2	SE	1	c	1	-	43	29	*	0.03	
	Aberdeen ...	29.76	38	WSW	3	0	29.78	+16	33	32	-4	SW	3	0	2	0	46	29	8.1	-	
	Leith ...	29.84	37	W	2	0	29.73	00	35	34	-3	S	1	c	*	-	43	32	*	0.12	
	North Shields ...	29.90	43	WSW	3	c	29.78	-04	37	36	-1	S	1	cm	2	bc, c	47	34	*	-	
	Spurn Head ...	30.02	44	WSW	4	bc	29.93	-01	39	38	+2	S	4	o	3	-	46	35	*	-	
FRANCE.	Yarmouth ...	30.06	45	WSW	4	bc	29.94	-05	42	41	+7	SSW	4	c	4	b, bc	46	31	*	-	
	Loughborough ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Oxford ...	30.16	39	WSW	2	0	29.82	-30	40	39	+4	S	2	p	*	b, p	48	36	*	0.09	
	London (Brixton) ...	30.17	45	WNW	3	bc	29.88	-23	43	42	+7	SSW	5	ot	*	bc, b, v	50	35	5.5	0.01	
	The Scaw (Skagen) ...	29.85	37	W	3	0	29.90	+19	36	35	+1	WSW	3	m	1	-	43	35	*	-	
	Fanö ...	30.01	39	WSW	5	0	30.02	+18	39	38	+1	SW	2	0	*	-	41	37	*	-	
	Cuxhaven ...	30.10	42	W	3	0	30.10	+19	37	36	-4	SSW	2	c	*	-	45	36	*	-	
	The Helder ...	30.12	41	SW	2	0	30.04	+07	39	39	-3	S	1	c	2	-	45	37	*	-	
	Brussels ...	*	*	*	*	*	30.20	+11	37	36	-4	SSW	3	o	*	-	48	34	*	-	
	Berlin ...	30.12	41	WNW	2	0	30.25	+36	31	34	-7	W	1	0	*	-	50	32	*	0.16	
SPAN. PEN.	Frankfurt ...	29.89	38	SW	2	0	30.30	+42	33	32	-14	W	2	f	*	-	47	32	*	0.28	
	Munich ...	30.27	36	W	5	+	30.32	+26	33	33	-10	NW	2	o	*	-	50	33	*	0.12	
	C. Gris Nez ...	30.19	44	WSW	4	0	30.05	-03	42	41	+1	SSW	4	o	4	-	46	41	*	0.04	
	Brest ...	30.37	46	W	3	0	30.10	-20	46	43	+1	W	4	c	5	-	50	39	*	0.20	
	Lorient ...	30.40	47	W	4	0	30.14	-18	46	46	+1	SW	5	+	7	-	55	45	*	0.04	
	Rochefort ...	30.41	49	NNW	4	0	30.34	+04	46	45	0	SSW	4	bc	*	0	54	46	*	-	
	Biarritz ...	30.54	50	N	3	0	30.50	+09	43	43	-9	S	2	0	5	-	52	39	*	0.08	
	Paris ...	30.15	44	WNW	2	0	30.28	+12	35	34	-6	SW	2	c	*	-	51	32	*	-	
	Belfort ...	30.32	38	WSW	3	bc	30.36	+33	28	28	-18	WSW	2	m	*	-	51	28	*	0.12	
	Lyons ...	30.38	44	NW	3	0	30.41	+20	34	32	-13	NW	1	0	*	-	50	34	*	0.04	
Nice ...	30.00	47	Z	0	0	30.03	-11	44	39	+1	E	1	c	2	-	59	41	*	-		
Perpignan ...	30.34	51	NW	5	bc	30.38	+15	44	39	-10	NW	4	0	*	-	60	43	*	-		
SPAN. PEN.	Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Lisbon ...	30.41	51	N	5	0	30.43	+02	49	44	-4	N	6	0	*	-	59	48	*	-	
	Azores (P. Delgada) ...	30.63	55	NE	4	0	30.62	+06	55	48	+1	ENE	4	0	3	-	59	52	*	-	
„ (Horta) ...	30.65	57	E	4	0	30.63	+04	54	49	0	Z	0	bc	2	-	57	54	*	-		

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

Erratum. In yesterday's report the 8 a.m. reading of the barometer at Lisbon should be 30.41, and the change since yesterday +1.2.



# WEATHER CHARTS

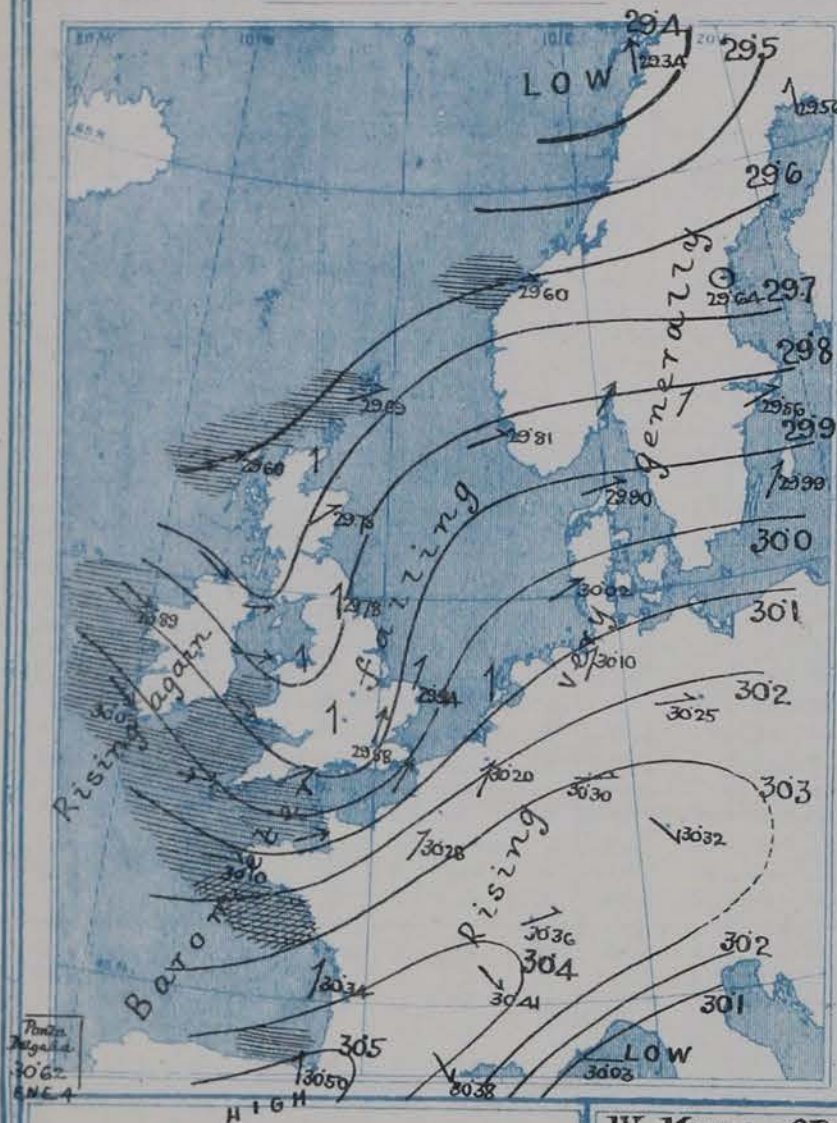
FOR SATURDAY, 7<sup>th</sup> MARCH, 1903.

## I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉  
Force 8 to 10 → Force 1 to 4 → }  
SEA.—Rough High



## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6



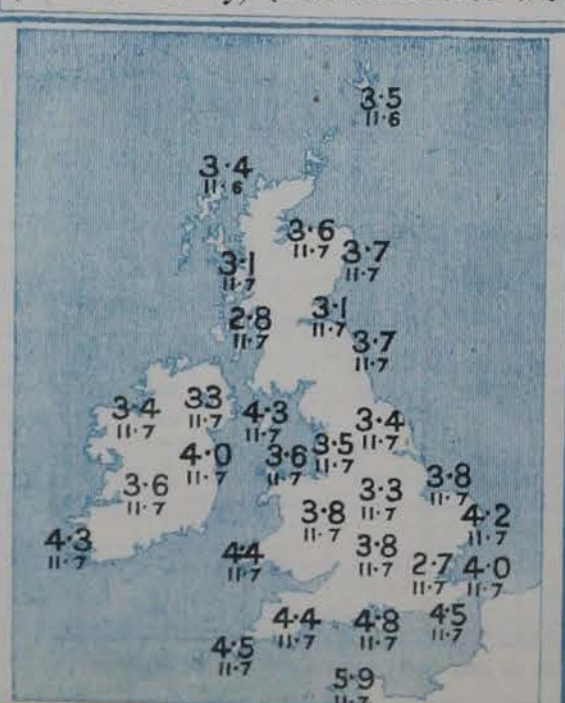
## III. BAROMETER AND WIND

Yesterday morning.



## IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration, for MARCH

Specimen { Average No of Hours daily } 3.4  
(for Stornoway) { Total Possible } 11.6





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

An anticyclone has spread from the southward over nearly the whole of France and the southern parts of our Islands, and the barometer is rising over Western Europe generally - the highest readings, 30.3 ins. and upwards, being reported over the Bay of Biscay. The lowest pressures, 29.2 ins. and less, are found in a shallow cyclonic area off the northern parts of the Norwegian coast, and in the neighbourhood of the Shetlands the barometric gradient is still rather steep; elsewhere it is at present slight.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is W<sup>3</sup> on all our western and southern coasts, and still blows strongly in the north of Ireland, as well as at Pembroke. In the eastern parts of Great Britain and in Scandinavia and Denmark it is light to moderate from the S.W., while in France it is chiefly N.W.<sup>3</sup>. Temperature has fallen over England and the western parts of the Continent, but has changed very little in Ireland and Scotland. The thermometer is now slightly below the average over the United Kingdom generally, the readings being below 46° on all but our south and south-west coasts, and as low as 35° in several parts of Ireland and Scotland. At many of the French and German stations the thermometer exceeds 45°, and at Perpignan it stands at 54°. The weather is fine over a considerable portion of our area, but hail or rain showers are reported on our extreme west and south-west coasts, and also at Newton Reigny (Pernith). In Scotland and in Norway, Germany and the east of France the sky is overcast, with rain at Leith and also at Berlin and Belfort. The sea is moderate or slight generally, but is rough at Dumburgh Head and rather rough at Malin Head and Scilly. During yesterday the thermometer rose to 45° or slightly above it over the United Kingdom generally, and to 53° at Jersey. The amount of bright sunshine was large in the west - more than 7 hours in several places, and as much as 9.2 hours at Scilly; in the south and east of England there was none. Rain fell in most parts of Western Europe and hail or sleet at some of the Scotch and Irish stations; lightning was seen at Blackrod Point.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone in the south appears to be still spreading northwards, and fair but cool weather is likely to continue over the greater part of England. In the extreme north of Scotland the barometer is rather unsteady, and it is therefore not unlikely that a fresh disturbance will appear in that neighbourhood in the course of the next 24 hours.

## FORECASTS\*

For the 24 hours ending at NOON on 7<sup>th</sup> March, 1903

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	W <sup>3</sup> winds, fresh or strong; dull, some sleet or cold rain.
1	SCOTLAND EAST	S.W <sup>3</sup> and W <sup>3</sup> winds, moderate; changeable, some cold showers.
2	ENGLAND N.E.	
3	ENGLAND EAST	W <sup>3</sup> winds, light; fair, cool, frost at night.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	W <sup>3</sup> to S.W <sup>3</sup> winds, fresh or strong; squally, some showers.
7	ENGLAND N.W.	W <sup>3</sup> winds, moderate or fresh; cool, changeable, some showers.
8	ENGLAND S.W.	
9	IRELAND NORTH	Same as No. 6.
10	IRELAND SOUTH	W <sup>3</sup> to S.W <sup>3</sup> winds, fresh; changeable, some showers

### WARNINGS

None issued.

*Note.*—The South Cone, point downwards (⌋), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.  
The North Cone, point upwards (⌋), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page.



ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.						PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	3	*	r,c	48	34	0.0	0.14
Newton Reigny (Penrith)	29.71	38	W 3	C	29.85	+24	37	34	0	SW 3	S	*	cp,r,h,s	44	34	8.0	0.02
Bath ... ..	29.90	45	W 1	bc	30.13	+36	38	36	-8	W 1	3	*	-	47	32	0.0	-

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	48	39	cb, p, c	6.2	—	Eastbourne ... ..	47	42	c, o, t, o, c, t, o	0.0	0.28
Rhyl ... ..	48	39	*	7.8	*	Hastings ... ..	45	37	p, b, c, b	7.0	0.17
Llandudno ... ..	47	42	*	6.6	*	Lowestoft, to 6 p.m. ...	46	36	p, o, c, b, p	0.3	0.14
Aberystwyth, to 6 p.m. ...	50	41	o, b	6.0	0.18	Harrogate, to 6 p.m. ...	43	34	a, s, h, c, v	2.2	0.30
Plymouth, to 9 p.m....	50	41	o, b	0.0	0.24	Manchester, to 9 p.m. ...	46	38	t, o, b	0.0	0.14
Worthing ... ..	*	*	*	0.0	*	Darwen, to 9 p.m. ...					
Brighton ... ..	*	*	*	0.0	*	Birmingham, to 9 p.m. ...					

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS.		TEMPERATURE, F.		WEATHER.		RAIN.	STATIONS.		TEMPERATURE, F.		WEATHER.		RAIN.
5. III. 1903.		Max.	Min.						Max.	Min.			
Utrecht...	...	50	39	r	r	0.04	Tunis	...	61	39	o	o	—
Madrid...	...	70	39	b	b	—	Algiers	...	50	50	b	b	—
Vienna...	...	48	37	b	b	0.24	Madeira (Funchal)	not rec'd					
St. Petersburg	...	36	32	o	o	—							
Trieste...	not Rec'd												
Florence	...	61	35	b	b	—	4. III. 1903.	1 p.m.			1 p.m.		Measured 7 a.m.
Rome	...	59	46	b	b	—							
Corsica (I. Sanguinaires)	...	55	43	f	f	—	Lugano	...	55	—	b		0.04
Naples	not Rec'd						Davos	...	30	—	o		0.47
Palermo	...	58	46	o	bc	0.12	Lucerne	...	48	—	b		0.16
Malta	...	58	56	?	bc	0.04	Lausanne	...	45	—	b		0.12

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

**WEATHER.**—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.			
COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	6. III., 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. ‡ (W.E.T.)	6 p.m. ‡		<i>h. m.</i>	<i>h. m.</i>	<i>h. m.</i>
Holland ... ..	8 a.m. ( „ „ )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.	Yarmouth ... ..	6.32	12.5	5.38
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich ... ..	6.38	12.12	5.46
France ... ..	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick ... ..	6.57	12.24	5.50
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.	Valencia ... ..	7.20	12.53	6.26
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.				
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.				
{ Horta ... ..	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.				

*SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.*

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**FORECASTS OF WEATHER** for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1

‡ At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on Sunday, 8<sup>th</sup> March, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	Weather	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	Temp.				
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)			At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)			Max.	Min.	Sun- shine. Hours.	Rainfall. Ins.	
																					Ins.
SCANDINAVIA.	Haparanda ...	29.66	18	SW	2	0	29.92	+3.6	13	12	-6	S	2	0	0	30	?	*	-		
	Hernösand ...	29.86	26	2	0	0	30.07	+4.3	22	20	-2	Z	0	0	0	41	21	*	-		
	Stockholm ...	30.00	36	SW	2	0	30.20	+3.4	35	33	-1	Z	0	0	0	43	32	*	-		
	Wisby ...	30.09	36	SW	2	0	30.24	+2.5	35	34	0	Z	0	0	0	39	30	*	-		
	Karlstad ...	29.99	36	W.	4	0	30.17	+3.5	34	33	-1	Z	0	0	0	*	*	*	-		
	Færder (X'iania Fjord)	29.94	38	WSW	3	0	30.10	+2.9	37	37	-1	SE	4	0	2	39	?	*	-		
	Bodö ...	29.68	36	S	4	0	29.81	+4.7	35	33	-1	E	2	0	1	26	32	*	-		
	Christiansund ...	29.80	40	W	4	0	30.00	+4.0	39	33	+2	W	4	0	5	41	37	*	-		
	Skudesnaes ...	29.91	39	SSE	4	0	30.01	+2.0	36	33	-4	ENE	2	0	2	40	34	*	-		
BRITISH ISLANDS.	Sumburgh Head	29.70	39	WSW	1	0	29.97	+2.8	37	35	-1	S	1	0	4	42	33	*	0.15		
	Stornoway ...	29.77	36	NNW	5	0	30.01	+4.1	37	36	+2	SW	3	0	3	44	32	3.5	0.21		
	Malin Head ...	29.91	42	NW	6	0	30.17	+4.2	39	38	0	SW	4	0	3	43	38	*	0.16		
	Blacksod Pt. ...	30.12	41	WNW	6	0	30.20	+3.1	46	44	+4	SW	5	0	4	46	36	*	0.04		
	Valencia ...	30.29	44	W	6	0	30.36	+3.3	40	39	-2	S	1	0	4	46	39	5.0	0.08		
	Roche's Point ...	30.21	42	NNW	6	0	30.39	+4.1	38	37	-1	W	1	0	2	46	35	*	0.05		
	Parsonstown ...	30.15	39	W	3	0	30.33	+4.3	35	34	-1	SW	1	0	*	45	32	6.0	0.05		
	Donaghadee ...	29.96	41	W	4	0	30.25	+5.5	37	35	-1	W	2	0	2	45	35	*	0.10		
	Liverpool Obsy.	29.96	41	WNW	6	0	30.28	+5.1	41	39	+3	WNW	4	0	4	44	38	*	0.02		
	Holyhead ...	30.00	42	NW	8	0	30.30	+5.4	42	40	+1	NW	4	0	4	45	38	*	0.10		
GERMANY, &c.	Pembroke (St. Ann's)	30.13	43	NW	6	0	30.36	+4.9	43	41	+1	NW	5	0	4	46	39	7.2	-		
	Scilly (St. Mary's)...	30.20	45	NW	4	0	30.42	+4.7	45	42	+3	NW	4	0	5	47	40	6.7	0.11		
	Jersey (St. Aubins)...	30.15	45	W	5	0	30.41	+3.3	43	39	-1	WNW	4	0	3	47	40	4.3	0.23		
	Portland Bill ...	30.05	44	WNW	6	0	30.33	+4.5	42	40	-2	NW	6	0	5	46	39	*	0.05		
	Dungeness ...	29.97	42	W	3	0	30.26	+2.8	38	36	-7	WNW	3	0	2	49	31	*	0.04		
	Wick ...	29.69	38	W	2	0	29.97	+3.2	37	36	-1	W	3	0	2	40	30	*	-		
	Nairn ...	29.71	35	W	2	0	30.06	+3.6	35	34	+2	W	1	0	1	43	30	*	0.06		
	Aberdeen ...	29.77	38	SW	3	0	30.12	+3.4	35	33	+2	WSW	2	0	2	43	32	1.0	-		
	Leith ...	29.79	38	NNW	2	0	30.16	+4.3	37	34	+2	SW	1	0	*	41	33	*	-		
	North Shields ...	29.74	42	WNW	3	0	30.18	+4.0	36	33	-1	W	3	0	2	44	33	*	-		
FRANCE.	Spurn Head ...	29.85	42	WNW	5	0	30.11	+1.8	38	36	-1	WNW	6	0	3	42	35	*	0.17		
	Yarmouth ...	29.81	42	WSW	5	0	30.13	+1.9	37	35	-5	WNW	3	0	*	45	32	*	0.07		
	Loughborough ...																				
	Oxford ...	30.05	36	WSW	3	0	30.31	+4.9	36	35	-4	W	2	0	*	45	34	*	0.06		
	London (Brixton)...	29.97	42	NW	4	0	30.26	+3.8	38	37	-5	NW	3	0	*	45	33	0.4	0.14		
	The Scaw (Skagen)	29.98	38	SW	2	0	30.02	+1.2	38	38	+2	W	3	0	1	43	36	*	0.08		
	Fanö ...	29.99	39	SE	5	0	30.02	0.00	39	37	0	SSE	4	0	*	41	39	*	-		
	Cuxhaven ...	30.05	42	S	2	0	30.08	-0.2	39	38	+2	S	1	0	*	45	37	*	-		
	The Helder ...	29.85	43	SW	7	0	30.08	+0.4	41	40	+2	NW	2	0	3	46	39	*	0.08		
	Brussels ...	*	*	*	*	0	30.21	+0.1	37	36	0	NW	2	0	*	48	37	*	0.12		
SPAN. PEN.	Berlin ...	30.20	39	Z	0	0	30.23	-0.2	32	31	-2	SE	2	0	*	46	28	*	-		
	Frankfurt ...	30.16	43	SW	2	0	30.13	-0.17	35	33	+2	SW	2	0	*	46	33	*	-		
	Munich ...	30.23	31	SW	3	0	30.21	-0.11	30	29	-3	W	3	0	*	39	27	*	-		
	C. Gris Nez ...	29.91	41	WSW	5	0	30.20	+1.5	39	37	-3	W	4	0	4	45	37	*	0.08		
	Brest ...	30.30	46	NW	4	0	30.47	+3.7	45	42	-1	NNW	3	0	3	48	39	*	0.08		
	Lorient ...	30.29	46	NW	5	0	30.44	+3.0	43	43	-3	NNW	4	0	4	?	41	*	0.24		
	Rocheport ...	30.23	46	WNW	5	0	30.40	+0.6	45	44	-1	NNW	4	0	*	50	43	*	0.16		
	Biarritz ...	30.43	50	WNW	5	0	30.51	+0.1	49	47	+6	S	4	0	4	52	43	*	0.20		
	Paris ...	30.10	40	SW	3	0	30.30	+0.2	33	33	-2	W	1	0	*	48	33	*	0.12		
	Belfort ...	29.93	39	Z	0	0	30.18	-0.18	32	31	+4	WSW	2	0	*	48	28	*	0.04		
Lyons ...	30.29	42	NE	1	0	30.29	-0.11	36	34	+2	W	3	0	*	49	34	*	0.12			
Nice ...	30.05	44	SW	1	0	30.00	-0.03	41	35	-3	S	1	0	3	55	34	*	-			
Perpignan ...	30.26	48	S	1	0	30.28	-0.10	43	37	-1	NW	5	0	*	57	37	*	0.08			
SPAN. PEN.	Corunna ...	30.47	53	NW	3	0	30.59	+0.8	41	39	-6	N	1	0	6	54	36	*	-		
	Lisbon ...	30.43	52	N	5	0	30.47	+0.4	49	43	0	NNE	4	0	*	61	46	*	-		
	Azores (P. Delgada)	30.60	57	E	5	0	30.53	-0.09	57	51	+2	SSE	4	0	4	59	55	*	-		
" (Horta) ...	30.57	58	SE	5	0	30.52	-0.11	58	54	+4	SE	4	0	3	61	54	*	-			

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR SUNDAY 8<sup>th</sup> MARCH, 1903.

## I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉  
Force 8 to 10 → Force 1 to 4 → }

SEA.—Rough High

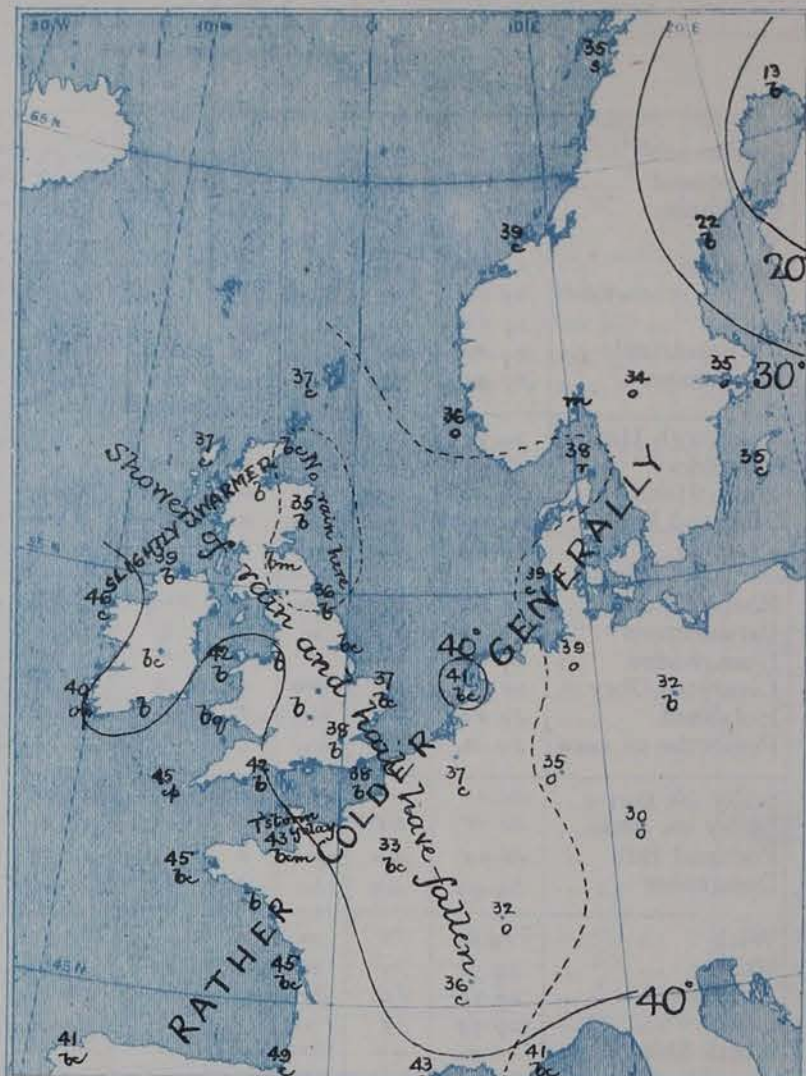


## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus: 0.6



## III. BAROMETER AND WIND

Yesterday morning.



## IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration, for MARCH

Specimen { Average No of Hours daily } 3.4  
(for Stornoway) { Total Possible } 11.6



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period  
MARCH (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The anticyclone noticed yesterday, has receded southwards, and is now confined to the Spanish Peninsula and the southern parts of France, where the readings of the barometer range between 30.3 in. and 30.5 in. The lowest pressures, 29.4 in. and less, are still found in a shallow cyclonic area lying off the northern parts of the Norwegian coasts, but a 'v' shaped secondary disturbance is now moving eastwards across the United Kingdom, and is occasioning a fall of the barometer over England and the neighbouring parts of the Continent. In all other parts of our area the mercury is at present rising.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

In the eastern and central parts of Great Britain the wind is light to moderate from the S<sup>W</sup>, but on our western coasts it has shifted to the N.W. and blows strongly, with a gale at the mouth of the English Channel. In the western parts of the Continent generally the wind is light to moderate from the S<sup>W</sup> or S.W., but in Germany it is chiefly W<sup>W</sup>. Temperature has risen in the south and east of England, and also in Scandinavia and Denmark, but has fallen in most other parts of our area. Over our northern districts the readings differ as a rule but little from the normal, but in the eastern and central parts of Scotland, where the thermometer is very little above the freezing point, they are slightly below the average. Over Germany and Central France the readings are also below 35°, the lowest reported being 28° at Belfort. The weather is fine in the east of Scotland and also in Sweden, Denmark and the south of France, but is cloudy or dull elsewhere, with showers of hail or rain at several of our western and southern stations. The sea is rough or rather so on our extreme south-west, west, and north coasts, and also off the west of France.

During yesterday the thermometer rose to between 45° and 50° in most parts of the United Kingdom. The amount of bright sunshine was generally large—more than 8 hrs. in many parts of Great Britain and more than 9 hrs. on our east and south-east coasts. Rain has fallen over North-western Europe generally; thunder and lightning occurred yesterday at Malin Head and Parsonstown, and lightning has been seen during the night at many of our western stations.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The 'v' shaped disturbance will probably continue to move eastwards, and in its rear the wind over England will shift to the N.W.; with squally, showery weather. Further depressions are likely to appear off our western coasts in the course of the ensuing 24 hours.

## FORECASTS \*

For the 24 hours ending at NOON on 8<sup>th</sup> March, 1903

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

W<sup>W</sup> to N.W<sup>W</sup> winds, strong in places; changeable, some snow showers.

S<sup>W</sup> winds, shifting later to the NW<sup>W</sup>, changeable, some snow or sleet showers.


S.W<sup>W</sup> to NW<sup>W</sup> winds, strong in places; cold, changeable, showery; probably some hail or sleet.


- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH

Strong N.W<sup>W</sup> winds, moderating and backing later; cold, changeable, some showers.

### WARNINGS

At 7 p.m. yesterday to district 10, 'Hoist South Cone'.

Note.—The South Cone, point downwards (  ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (  ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page.



ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	C	*	B	48	38	9.5	1-
Newton Reigny (Penrith)	29.92	38	SW 3	C	29.72	-13	35	34	-2	SE 2	O	*	cloudy	43	32	6.0	0.06
Bath ... ..	30.17	42	W 2	C	29.83	-30	42	40	+4	SW 2	O	*	-	48	38	6.0	0.12

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	46	39	0, c, 0	6.4	—	Eastbourne ... ..	*	*	*	9.5	*
Rhyl ... ..	*	*	*	9.0	*	Hastings ... ..	*	*	*	9.2	*
Llandudno ... ..	*	*	*	6.6	*	Lowestoft, to 6 p.m. <i>Not recd</i>					
Aberystwyth, to 6 p.m. ...	47	41	bc	6.0	0.08	Harrogate, to 6 p.m. ...	45	34	b, p, b	7.0	0.04
Plymouth, to 9 p.m....	49	38	bcp	7.3	0.09	Manchester, to 9 p.m. ...	45	32	r, bc, b	3.9	0.02
Worthing ... ..	*	*	*	8.8	*	Darwen, to 9 p.m. ...	43	33	oth, cp, c	3.7	0.05
Brighton ... ..	*	*	*	8.4	*	Birmingham, to 9 p.m. ...	46	33	b, p	5.7	0.04

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS.		TEMPERATURE, F.		WEATHER.		RAIN.	STATIONS.		TEMPERATURE, F.		WEATHER.		RAIN.
6.....1903.		Max. °	Min. °				Max. °	Min. °					
Utrecht...	...	50	37	r	b	Ins. 0.39	Tunis	...	61	43	o	o	Ins.
Madrid	...	60	37	b	b	—	Algiers	...	66	54	b	b	—
Vienna	...	55	32	b	c	0.35	Madeira (Funchal)	Not Recd.					—
St. Petersburg	...	36	32	r	r	?							
Trieste	...	55	41	b	b	—							
Florence	...	60	33	b	b	—	5 Mar. 1903.		1 p.m.		1 p.m.		Measured 7 a.m.
Rome	...	62	36	c	c	—	Lugano	...	54	—	b	c	—
Corsica (I. Sanguinaires)	...	55	45	c	c	—	Davos	...	43	—	o		—
Naples	...	57	46	b	b	—	Lucerne	...	48	—	o		—
Palermo	...	46	40	b	o	—	Lausanne	...	46	—	b	c	—
Malta	...	59	52	?	o	—							

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

**WEATHER.**—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.			
COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Time.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	7 March, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.B.T.)	6 p.m.‡				
Holland ... ..	8 a.m. ( „ „ )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.	Yarmouth ... ..	6.29	12.4	5.39
Germany, Denmark, } Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich ... ..	6.35	12.11	5.47
France ... ..	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick ... ..	6.54	12.23	5.52
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.	Valencia ... ..	7.17	12.52	6.28
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.				
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.				
{ Horta ... ..	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.				

*SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.*

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.  
 " Weekly " " £1 10 0

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

**FORECASTS OF WEATHER** for one day in advance are drawn up at the Meteorological Office at 11 a.m. and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

! At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on *Monday, 9<sup>th</sup> March,* 1903.

Issued by the *METEOROLOGICAL OFFICE*, 63, Victoria Street, London. *W. N. SHAW, Secretary.*

STATIONS.	YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.			
	BAROM.	TEMP.	WIND.		Weather	BAROMETER.	TEMPERATURE.				WIND.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.
	At 82° and M.S.L.	Dry Bulb.	Dir.	Force (0 to 12.)		At 82° Fahr. and M.S.L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dir.	Force (0 to 12.)				Max.	Min.		
	Ins.	°				Ins.	Ins.	°											
SCANDINAVIA.	Haparanda ...	30.00	23	W	4	30.25	+33	9	9	-4	Z	0	3	*	-	23	9	*	-
	Hernösand ...	30.25	29	Z	0	30.34	+27	19	18	-3	Z	0	3	*	-	43	18	*	-
	Stockholm ...	30.43	34	Z	0	30.47	+27	32	31	-3	Z	0	3	*	-	41	30	*	-
	Wisby ...	30.42	34	Z	0	30.54	+30	34	32	-1	ESE	2	3	*	-	43	28	*	-
	Karlstad ...	30.35	37	W	2	30.41	+24	35	34	+1	SW	2	0	*	07	*	*	*	-
	Færder (X'ania Fjord) ...	30.29	36	N	2	30.34	+24	36	36	-1	S	3	0	2	-	37	32	*	0.24
	Bodö ...	29.98	35	WSW	4	30.08	+27	33	30	-2	ENE	4	C	1	-	37	30	*	-
	Christiansund ...	30.14	36	S	1	30.00	00	40	33	+1	SSE	5	C	4	-	43	34	*	-
BRITISH ISLANDS.	Skudesnaes ...	30.18	39	Z	0	30.19	+18	39	37	+3	SSE	6	C	4	0.8	41	34	*	-
	Sumburgh Head ...	29.95	42	S	3	29.61	-36	43	43	+6	S	5	r	6	C, 0	43	37	*	0.12
	Stornoway ...	29.74	45	SSW	8	29.54	-47	42	42	+5	W	3	0	3	r	48	35	1.4	0.42
	Malin Head ...	29.94	45	SSW	6	29.64	-53	41	41	+2	W	6	r	5	C, 0m	45	39	*	0.38
	Blacksod Pt. ...	29.93	49	SSW	6	29.73	-47	43	41	-3	WNW	4	C	4	Copgms?	50	40	*	0.62
	Valencia ...	30.14	50	S	5	29.82	-54	43	42	+3	NW	5	0m	5	0	52	39	0.0	0.28
	Roche's Point ...	30.23	49	SW	3	29.82	-57	49	48	+11	SSW	4	07	5	0, 0m gr	49	37	*	0.17
	Parsonstown ...	30.13	48	SSE	5	29.73	-60	46	45	+11	SW	3	07	*	09u	51	34	2.2	0.17
GERMANY, &c.	Donaghadee ...	30.15	46	SW	3	29.74	-51	47	47	+10	SW	4	r	3	-	48	35	*	0.02
	Liverpool Obsy. ...	30.30	41	WSW	2	29.97	-31	43	42	+2	S	4	0	3	-	46	38	*	-
	Holyhead ...	30.27	45	SW	3	29.90	-40	47	47	+8	SSW	7	0	5	C	48	40	*	0.06
	Pembroke (St. Ann's) ...	30.32	46	SW	5	29.99	-37	48	47	+5	SSW	6	09	5	C, 0p	48	43	6.7	0.02
	Scilly (St. Mary's) ...	30.41	49	W	3	30.05	-37	50	49	+5	SSW	5	0m p	4	C	51	45	5.7	0.02
	Jersey (St. Aubins) ...	30.44	46	NW	3	30.29	-12	44	42	+1	S	3	C	3	3, 0m m	50	36	8.5	-
	Portland Bill ...	30.40	45	WNW	1	30.21	-12	46	45	+4	SSW	3	C	2	3	49	41	*	-
	Dungeness ...	30.35	44	N	1	30.29	+03	44	42	+6	SSW	4	3	1	3	47	36	*	-
FRANCE.	Wick ...	29.88	42	S	3	29.55	-42	45	44	+8	S	4	0u	3	-	45	35	*	0.03
	Nairn ...	29.94	42	WSW	2	29.59	-47	46	44	+11	W	1	C	1	-	47	34	*	0.01
	Aberdeen ...	30.07	43	SSW	3	29.75	-37	44	42	+9	SSE	6	0u	4	-	48	34	6.4	-
	Leith ...	30.13	45	SSW	1	29.73	-43	49	45	+12	S	4	0	*	-	49	35	*	-
	North Shields ...	30.21	45	SW	1	29.92	-26	42	41	+6	S	4	Cm	2	-	49	34	*	-
	Spurn Head ...	30.29	42	SSW	3	30.11	00	39	37	+1	S	4	C	3	-	46	35	*	-
	Yarmouth ...	30.29	44	NW	3	30.24	+11	39	38	+2	SSW	3	3m	3	3, 0	44	34	*	-
	Loughborough ...	30.38	41	SSW	1	30.19	-12	41	40	+5	S	3	0	*	-	48	35	*	-
GERMANY, &c.	Oxford ...	30.36	45	WNW	1	30.25	-01	41	38	+3	S	3	0	*	3, 0m	48	33	5.9	-
	London (Brixton) ...	30.36	45	WNW	1	30.25	-01	41	38	+3	S	3	0	*	3, 0m	48	33	5.9	-
	The Scaw (Skagen) ...	30.28	40	SSW	2	30.34	+32	28	37	0	SSW	3	C	1	-	41	36	*	-
	Fanö ...	30.32	38	SSE	1	30.38	+36	37	36	-2	SSE	2	f	*	-	43	34	*	-
	Cuxhaven ...	30.29	42	Z	0	30.39	+31	30	30	-9	S	1	f	*	-	45	30	*	-
	The Helder ...	30.31	41	NW	1	30.34	+26	34	34	-7	SW	1	3	1	-	45	30	*	0.04
	Brussels ...	*	*	*	*	30.39	+18	33	32	-4	Z	0	3	*	-	45	28	*	-
	Berlin ...	30.34	40	SE	2	30.41	+18	34	32	+2	SE	2	3	*	-	46	32	*	-
FRANCE.	Frankfurt ...	30.31	36	N	2	30.33	+20	33	32	-2	NE	2	3	*	-	45	32	*	-
	Munich ...	30.25	35	Z	0	30.25	+04	32	32	+2	W	3	3	*	-	39	30	*	0.04
	C. Gris Nez ...	?	43	?	3	30.29	+09	36	34	-3	S	3	3	2	-	46	34	*	-
	Brest ...	30.47	48	NNW	2	30.25	-22	48	46	+3	S	3	0	3	-	52	45	*	-
	Lorient ...	30.49	46	NW	4	30.29	-15	45	45	+2	SW	4	0	3	-	55	39	*	0.04
	Rochefort ...	30.42	47	N	4	30.34	-06	37	36	-8	E	2	3	*	C	52	34	*	-
	Biarritz ...	30.52	48	N	4	30.40	-11	42	41	-7	Z	0	C	4	-	50	39	*	0.08
	Paris ...	30.39	43	N	3	30.38	+08	27	27	-6	N	1	f	*	-	49	27	*	-
SPAN. PEN.	Belfort ...	30.29	37	WNW	4	30.29	+11	31	30	-1	NE	4	m	*	-	42	31	*	-
	Lyons ...	30.32	38	N	2	30.30	+01	33	32	-3	N	3	0	*	-	43	33	*	0.04
	Nice ...	29.97	44	Z	0	29.97	-03	40	33	-1	ENE	1	C	3	-	54	39	*	-
	Perpignan ...	30.26	44	NW	5	30.23	-05	41	36	-2	NW	4	3	*	-	51	40	*	-
SPAN. PEN.	Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lisbon ...	30.37	51	N	4	30.32	-15	45	41	-4	NNE	4	3	*	-	61	45	*	-
	Azores (P. Delgada) ...	30.52	57	ESE	3	30.49	-04	55	50	-2	NNE	3	C	2	-	61	54	*	-
SPAN. PEN.	" (Horta) ...	30.52	55	Z	0	30.52	00	54	50	-4	SSW	3	3	2	-	61	54	*	-

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR Monday, 9<sup>th</sup> March, 1903.

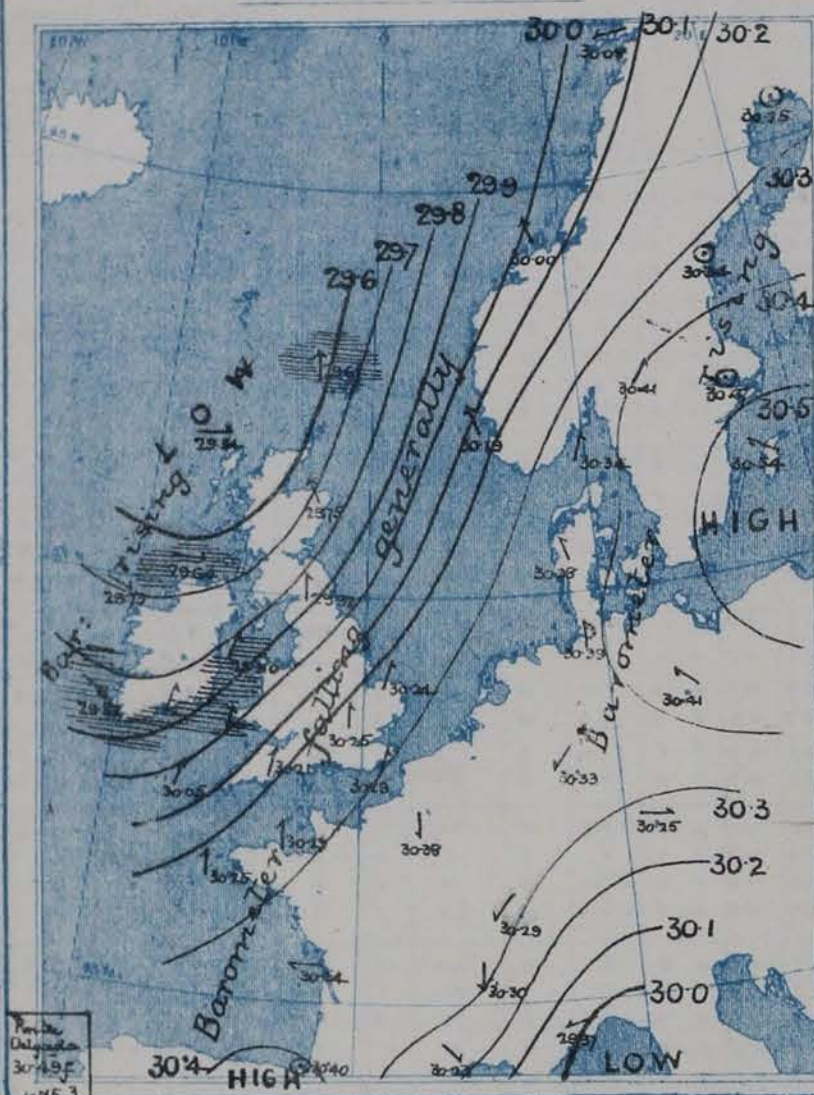
## I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ⊙  
Force 8 to 10 → Force 1 to 4 →

SEA.—Rough High



## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—without rain. The fall in past 24 hours when exceeding half an inch is shown thus .06



## III. BAROMETER AND WIND

Yesterday morning.



## IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration, for MARCH

Specimen { Average No of Hours daily } 3.4  
(for Stornoway) { Total Possible } 11.6



## V. Means of DAILY TEMPERATURE at 8 A.M. for the monthly period MARCH (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The "V" shaped disturbance which lay over our Islands yesterday morning, has now reached the North Sea, and become much less deep. The barometer is highest, above 30.5 ins., in an anticyclone over the Bay of Biscay and north of Spain, whence it decreases to 30.08 ins. at the Helles and Cuxhaven, 29.97 ins. in the Shetlands, and to 29.81 ins. at Bodø. The mercury is rising generally, but the upward movement seems to have ceased on our extreme west and northwest coasts.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

W<sup>4</sup> or NW winds, light to fresh or strong in force, prevail over Great Britain, France, and the Netherlands, but over north Germany, Denmark, and the south of Norway they draw into S or SE. Over Ireland and in the Hebrides the wind has backed to the SW<sup>4</sup> again. Temperature has fallen in most regions, and is below the mean over our Islands, and their neighbourhood; it is now below 40° over the greater part, both of our Islands and the continent. The highest readings are 49° at Lisbon and Biarritz, and the lowest 22° at Helsingfors and 13° at Apatanda. The weather is fine and bright in most places, but dull at several German, Danish, and Scandinavian stations, with rain at Fano and snow at Bodø. Passing showers are reported at Valencia Island and Scilly. The sea is rather rough at Christiansund, Scilly, and Portland Bill, and rough at Corunna, moderate to smooth elsewhere.

The maximum temperatures recorded over these Islands yesterday, were all below 50° and the minima during the night were low, - between 30° and 35° over the Kingdom as a whole. Rain or hail fell very generally, and sleet in the Hebrides; the amounts were, however, in no instance large. Thunder and lightning were experienced at Jersey at 10 a.m. Several hours of bright sunshine were registered in the southwest, little elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS \*

For the 24 hours ending at NOON on 9<sup>th</sup> March.

1903

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

NONE ISSUED

- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH

NONE ISSUED

WARNINGS

NONE ISSUED.

Note.—The South Cone, point downwards (  $\nabla$  ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (  $\nabla$  ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page.



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.				
	Bar.	Temp.	Wind.	Weather.	Barometer.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun-
	Ins.	°			Ins.	Change.	Dry.	Wet.	Change.				Max.	Min.	shine.
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	*	c, c	46	34	2.0
Newton Reigny (Penrith)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0.03
Bath ... ..	2	41	W 6	0	30.33	+50	39	36	-3	W 2	0	-	47	34	0.0

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	44	37	0, c, 0	2.0	0.04	Eastbourne ... ..	*	*	*	*	*
Rhyl ... ..	*	*	*	*	*	Hastings ... ..	*	*	*	2.4	*
Llandudno ... ..	*	*	*	1.2	*	Lowestoft, to 6 p.m. <i>Not recd.</i>	*	*	*	*	*
Aberystwyth, to 6 p.m. ...	47	39	c	4.0	0.10	Harrogate, to 6 p.m. ...	45	34	0, c, c	2.8	0.14
Plymouth, to 9 p.m....	47	38	0, p, q	4.9	0.47	Manchester, to 9 p.m. <i>Not recd.</i>	*	*	*	*	*
Worthing ... ..	*	*	*	4.2	*	Darwen, to 9 p.m. ...	41	32	0, p, c, v	0.2	0.14
Brighton ... ..	*	*	*	*	*	Birmingham, to 9 p.m. ...	43	34	0, c, 0	2.1	0.25

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 7 March 1903.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Utrecht ... ..	46	36	c	0	Tunis ... ..	68	48	0	Ins.
Madrid ... ..	66	30	b	0	Algiers ... ..	73	57	b	0
Vienna ... ..	57	37	r	0	Madeira (Funchal) ...	66	50	b	0
St. Petersburg ... ..	37	32	0	0	6 March 1903.				
Trieste ... ..	54	41	0	0	1 p.m.		1 p.m.		Measured 7 a.m.
Florence ... ..	60	45	b	0	Lugano ... ..	50	—	b	—
Rome ... ..	59	41	b	0	Davos ... ..	41	—	0	—
Corsica (I. Sanguinaires) ...	57	45	f	0	Lucerne ... ..	45	—	r	—
Naples ... ..	59	46	b	0	Lausanne ... ..	45	—	r	0.08
Palermo ... ..	47	38	b	0					
Malta ... ..	60	50	?	c					

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.  
\* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland ... ..	8 a.m. ( " " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France ... ..	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Horta ... ..	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

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

8 Mch. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6.26	12.4	5.41
Greenwich ... ..	6.33	12.11	5.49
Wick ... ..	6.51	12.23	5.54
Valencia ... ..	7.15	12.52	6.30

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.  
" Weekly " " " £1 10 0 " " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on *Tuesday, 10<sup>th</sup> March, 1903.*

Issued by the *METEOROLOGICAL OFFICE, 63, Victoria Street, London.* *W. N. SHAW, Secretary.*

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)											PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. — Hours.	Rainfall. — Ins.	
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)			At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)				Max.	Min.			
																						Ins.
SCANDINAVIA.	Haparanda ...	30.25	19	SW	2	7	30.13	-12	27	25	+18	SW	2	7	2	-	27	7	*	-		
	Hernösand ...	30.29	33	X	0	7	30.28	-06	31	29	+12	S	4	7	2	-	39	18	*	-		
	Stockholm ...	30.54	33	Z	0	7	30.42	-05	31	30	-1	Z	0	7	2	-	45	28	*	-		
	Wisby ...	30.53	32	Z	0	7	30.39	-15	32	30	-2	Z	0	7	2	-	41	27	*	-		
	Karlstad ...	30.42	37	W	2	C	30.32	-09	32	31	-3	ESE	4	0	2	-	*	*	*	-		
	Færder (X'ania Fjord) ...	30.34	38	S	2	7	30.25	-09	34	32	-2	SSW	4	0	2	-	38	34	*	-		
	Bodö ...	29.93	39	ESE	4	C	29.84	-24	36	32	+3	E	5	0	2	-	39	33	*	-		
	Christiansund ...	29.88	44	S	5	C	29.80	-20	43	36	+3	S	5	C	4	-	46	39	*	-		
BRITISH ISLANDS.	Skudesnaes ...	30.04	40	S	8	0	30.00	-19	39	37	0	SSE	10	0	7	C, 0	43	37	*	*		
	Sumburgh Head ...	29.59	40	SSW	2	0	29.56	-05	41	39	-2	WSW	4	7c	6	r, 0	44	39	*	0.38		
	Stornoway ...	29.56	43	W	4	0p	29.58	+04	38	37	-4	SW	5	0	5	C, 0p	48	36	3.7	0.10		
	Malin Head ...	29.73	43	WNW	5	7c	29.79	+15	38	37	-3	SW	4	7cp	4	C, 7c	45	37	*	0.08		
	Blacksod Pt. ...	29.83	42	WNW	4	7p	29.87	+14	42	39	-1	W	4	7ap	3	7, 7p	47	36	*	0.07		
	Valencia ...	29.93	45	WNW	4	cv	30.00	+18	40	38	-3	SW	3	c	4	7cv, cv	47	38	5.9	0.03		
	Roche's Point ...	29.89	45	NNW	4	7	29.99	+17	37	36	-12	NNW	1	7	1	0, 7	49	35	*	0.18		
	Parsonstown ...	29.86	43	W	1	7	29.94	+21	33	32	-13	SSE	1	7c	*	0, r, 7	47	31	1.6	0.11		
GERMANY, &c.	Donaghadee ...	29.80	43	SW	3	0	29.86	+12	34	33	-13	SW	3	7	2	-	48	32	*	0.20		
	Liverpool Obsy. ...	29.83	45	SSE	3	0	29.92	-05	39	38	-4	WNW	2	7c	1	0p	47	37	*	0.41		
	Holyhead ...	29.84	40	NW	6	7gm	29.92	+02	41	40	-6	WNW	2	7c	2	7ggm, 7gm	48	37	*	0.45		
	Pembroke (St. Ann's) ...	29.85	47	N	6	7	29.97	-02	42	40	-6	NNW	3	7c	3	-	48	38	0.0	0.59		
	Scilly (St. Mary's) ...	29.83	44	NNW	7	7	29.96	-09	44	40	-6	NNW	4	c	4	0, 7	51	40	0.0	0.35		
	Jersey (St. Aubins) ...	30.07	47	SSE	5	og	29.99	-30	43	40	-1	SSE	3	og, r	3	0, og, r	49	42	0.2	0.09		
	Portland Bill ...	30.00	45	SSW	4	7	29.94	-27	42	41	-4	N	1	c	2	7	48	41	*	0.15		
	Dungeness ...	30.12	45	S	5	C	30.00	-29	44	42	0	SSW	4	ou	2	7, c	49	43	*	-		
FRANCE.	Wick ...	29.62	43	S	3	C	29.62	+07	37	36	-8	S	2	7c	2	-	47	35	*	0.30		
	Nairn ...	29.66	41	W	1	C	29.67	+08	38	36	-8	SW	2	7	1	-	48	35	*	0.11		
	Aberdeen ...	29.72	39	ENE	2	0r	29.76	+01	36	34	-8	S	3	7	2	p, 0r	45	34	0.0	0.12		
	Leith ...	29.75	40	X	0	m	29.81	+08	40	38	-9	SW	1	7	*	-	51	37	*	0.09		
	North Shields ...	29.78	46	S	5	7	29.85	-07	39	38	-3	SSW	2	om	2	om, d, 7	48	37	*	0.04		
	Spurn Head ...	29.94	44	S	5	7	29.89	-22	41	41	+2	S	5	7	3	7	46	38	*	0.10		
	Yarmouth ...	30.07	44	S	4	C	29.97	-27	43	40	+4	SSW	3	om	3	7c, c	45	36	*	-		
	Loughborough ...	29.99	43	SSE	3	7	29.92	-27	43	42	+2	S	2	7	*	C, 0g	47	40	*	0.27		
SPAN. PEN.	Oxford ...	30.08	43	SSE	4	od	29.96	-29	42	41	+1	S	2	0	-	C, 0, 0r	50	40	0.2	0.14		
	London (Brixton) ...	30.08	43	SSE	4	od	29.96	-29	42	41	+1	S	2	0	-	C, 0, 0r	50	40	0.2	0.14		
	The Scaw (Skagen) ...	30.34	38	S	4	7c	30.24	-10	35	33	-3	S	4	0	1	-	39	32	*	-		
	Fanö ...	30.27	34	SSE	2	7	30.17	-21	34	33	-3	ESE	2	C	*	-	39	32	*	-		
	Cuxhaven ...	30.30	40	SE	1	7	30.15	-24	34	33	+4	SE	2	0	*	-	43	30	*	-		
	The Helder ...	30.18	38	S	1	7	30.04	-30	35	35	+1	SSE	1	m	0	-	46	32	*	-		
	Brussels ...	30.31	37	SE	2	0	30.21	-20	35	33	+1	SE	3	0	*	-	43	34	*	-		
	Berlin ...	30.15	40	E	2	C	30.10	-23	36	34	+3	NE	2	0	*	-	46	33	*	-		
SPAN. PEN.	Frankfurt ...	30.15	32	E	4	S	30.05	-20	32	31	0	E	4	0	*	-	37	30	*	0.04		
	Munich ...	30.15	32	E	4	S	30.05	-20	32	31	0	E	4	0	*	-	37	30	*	0.04		
	C. Gris Nez ...	30.13	43	SSW	3	7	30.01	-28	36	35	0	S	2	0	2	-	43	36	*	-		
	Brest ...	29.97	47	S	4	7	29.96	-29	42	42	-6	NE	3	7	2	-	50	41	*	0.32		
	Lorient ...	30.05	46	SW	4	C	29.94	-35	45	43	0	S	3	0	2	-	54	39	*	0.24		
	Rochefort ...	30.12	46	WNW	2	C	29.91	-43	38	36	+1	E	3	0	*	7, c	55	34	*	-		
	Biarritz ...	30.15	48	N	2	7	29.86	-54	39	39	-3	ESE	4	C	1	-	54	39	*	-		
	Paris ...	30.19	41	SE	2	7	30.06	-32	28	28	+1	SE	1	7	*	-	48	27	*	-		
SPAN. PEN.	Belfort ...	30.08	38	ENE	5	0	30.04	-25	32	31	+1	NE	4	m	*	-	42	29	*	-		
	Lyons ...	30.16	39	NW	2	0	30.05	-25	32	31	-1	NW	1	7	*	-	44	29	*	-		
	Nice ...	29.99	45	NW	1	C	29.98	+01	40	34	0	ENE	2	7	2	-	55	37	*	-		
	Perpignan ...	30.12	46	NW	3	7	29.96	-27	32	30	-9	W	2	7c	*	-	54	29	*	-		
SPAN. PEN.	Corunna ...	30.13	53	NW	5	7	30.11	-21	48	44	+3	NNW	4	7	*	-	61	45	*	-		
	Lisbon ...	30.50	55	NE	5	m	30.47	-02	53	48	-2	E	4	0	3	-	63	52	*	0.04		
	Azores (P. Delgada) ...	30.56	56	NNE	4	0	30.51	-01	53	52	-1	Z	0	0	2	-	64	52	*	-		

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR Tuesday, 10<sup>th</sup> March, 1903.

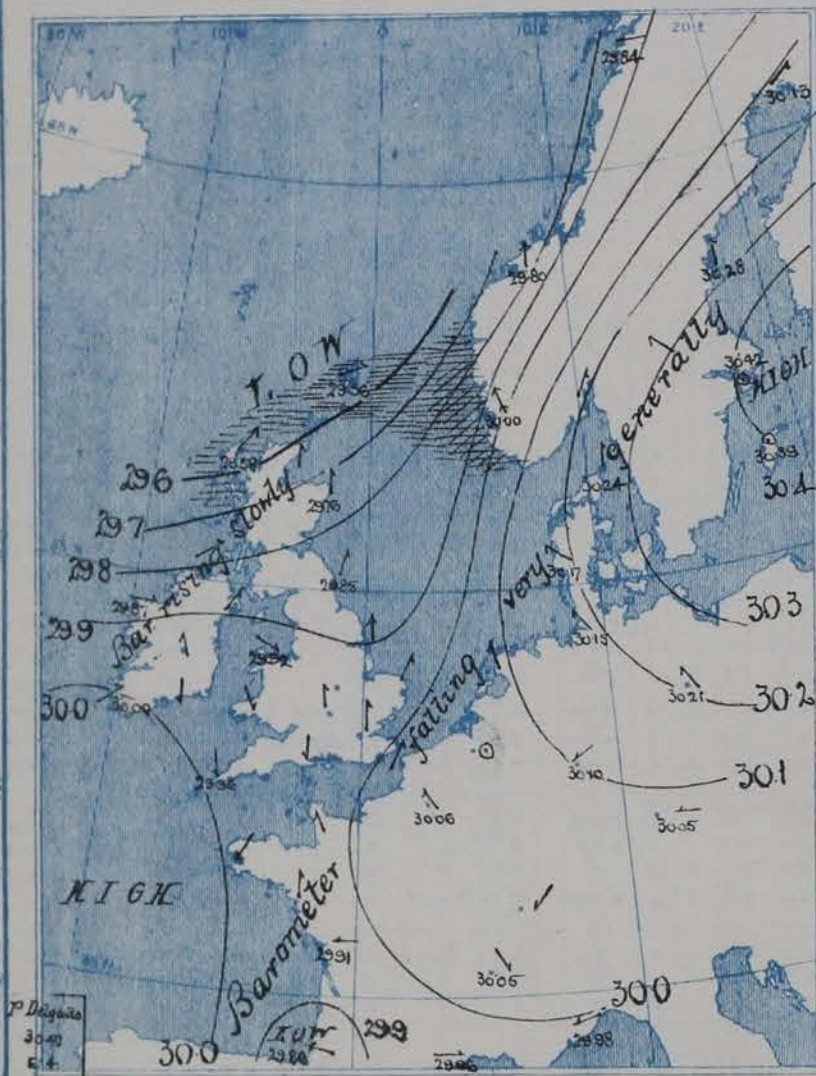
## I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉  
Force 8 to 10 → Force 1 to 4 →

SEA.—Rough High

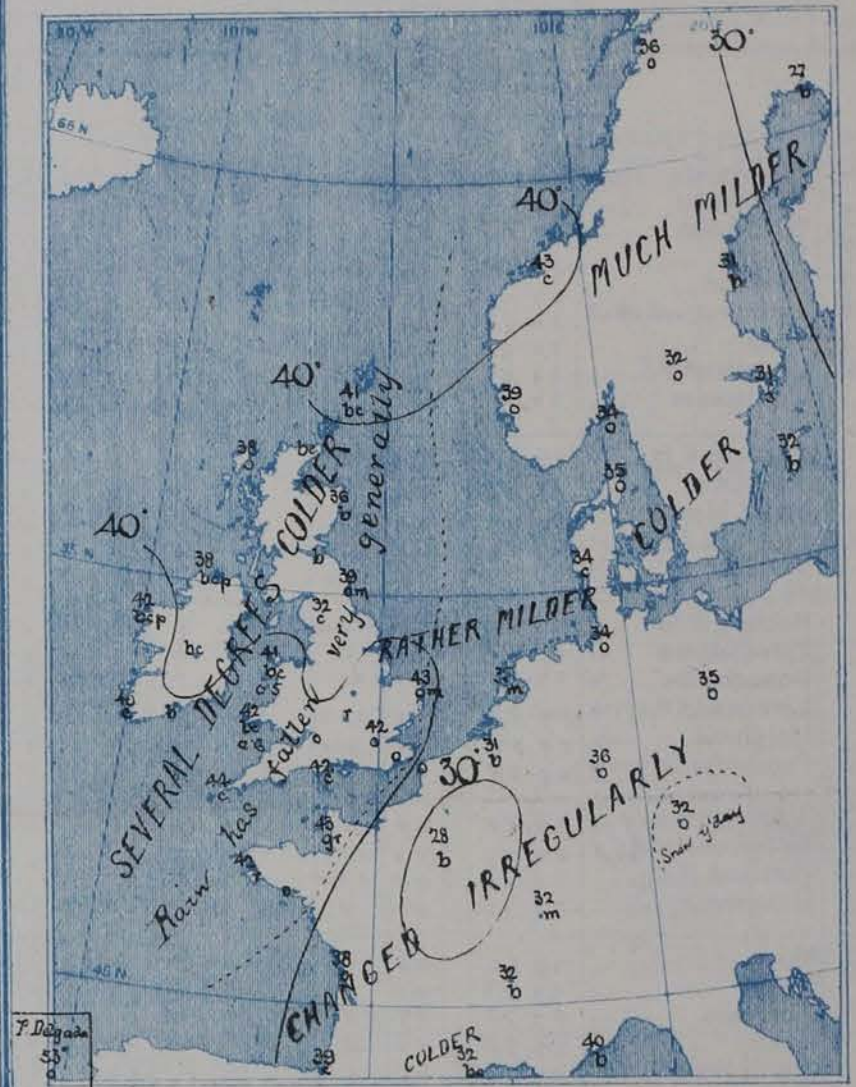


## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

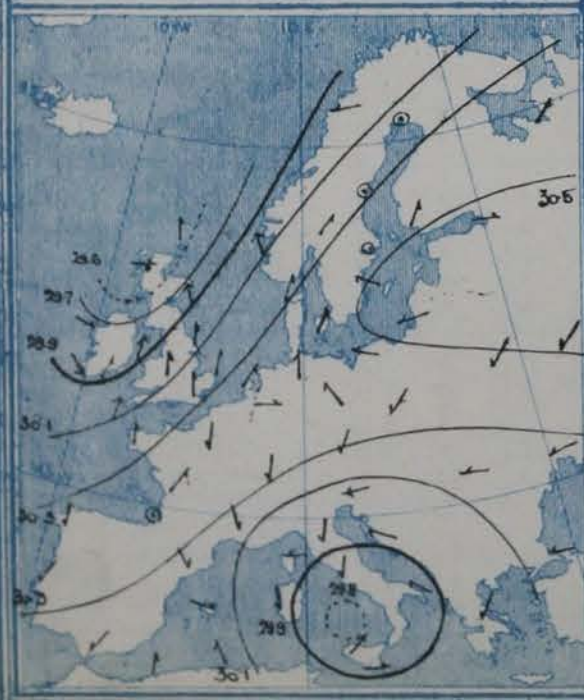
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0.6



## III. BAROMETER AND WIND

Yesterday morning.



## IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration, for MARCH

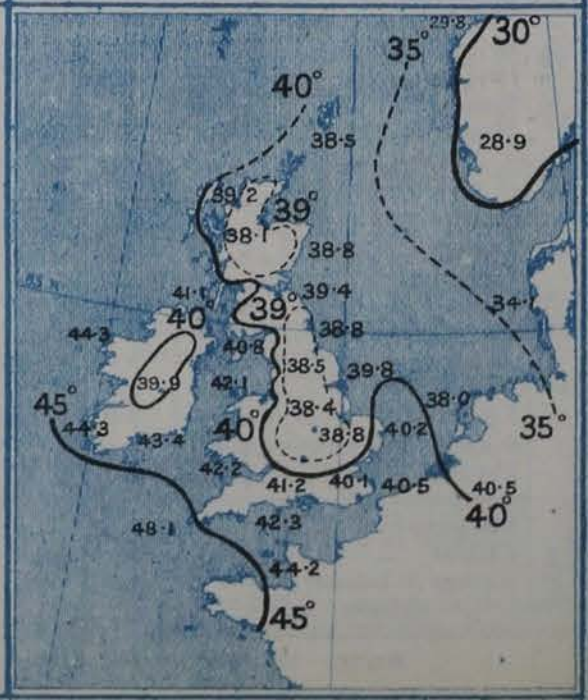
Specimen { Average No. of Hours daily } 3.4  
(for Stornoway) { Total Possible } 11.6



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

MARCH (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Since last evening a cyclonic disturbance of a "V" shaped type has advanced over our western and northwestern districts, and its minimum, where the barometer is about 29.5 ins., is at present a little to the northward of the Hebrides. The highest readings, 30.4 ins. to 30.5 ins., are found over the Baltic. There is a second area of relatively low readings, 30.0 ins. and less, over the Gulf of Genoa. Pressure has begun to rise again in the extreme west, and continues to rise over Germany and Sweden, but in most other regions it is decreasing — briskly over Great Britain.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

With the advent of the disturbance in the west the wind veered to the S<sup>W</sup> very generally, and still blows from that quarter over the Kingdom as a whole, but in the west of Ireland and at Stornoway it has already veered to W. or W.N.W. It has but little strength in the English districts, but is fresh or very strong in Wales, Scotland, and the north of Ireland. To the eastward of the North Sea it draws into S.S.E., while over Germany and France it is light and variable.

Temperature has risen several degrees over our Islands and a few degrees in Brittany, fallen elsewhere. It ranges from 50° at Scilly and 49° at Roch's Point and Leith to 39° at Spurn Head and Yarmouth, while the continental values vary from 48° at Brest to 40° at Nice and Christiansund, 32° at Munich and Stockholm, 27° at Paris, 19° at Herristand, and to 9° at Naparanda.

The sky has become overcast at most of our own stations, with rain in the west, but in many continental localities the weather is fine and bright. Snow is, however, falling at Munich, and fog prevails at Paris, Cuxhaven and Fano.

The sea is rather rough on some parts of our western coasts and rough off the Shetlands, moderate to smooth elsewhere.

The maximum temperatures recorded over the United Kingdom yesterday exceeded 50° at a few stations in the west and southwest, but at Yarmouth and Ramon the highest values were 44° and 45° respectively. The minima were low over our eastern and central districts and frost was experienced on the ground. Rain has fallen in the west and north, but over England and the east of Scotland bright sunshine has been very prevalent. A Lunar halo was observed at Holyhead and lightning at Blackrod Point.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic disturbance appears to be moving in a northeasterly direction. In its rear the wind will probably veer to W. or N.W. very generally with a decrease of temperature and some improvement in the weather.

## FORECASTS \*

For the 24 hours ending at NOON on 10<sup>TH</sup> MARCH. 1903

### DISTRICTS.

### FORECASTS.

- 0  $\overline{\text{N}}$  SCOTLAND NORTH
- 1  $\overline{\text{N}}$  SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

S<sup>W</sup> to S<sup>W</sup><sup>ly</sup> winds, fresh or very strong in places; cloudy, some rain. Mild today, colder tomorrow.

S<sup>W</sup> winds, light or moderate, veering later; cloudy or dull, slight rain locally.

### DISTRICTS.

### FORECASTS.

- 6  $\overline{\text{N}}$  SCOTLAND WEST
- 7  $\overline{\text{N}}$  ENGLAND N.W.
- 8  $\overline{\text{N}}$  ENGLAND S.W.
- 9  $\overline{\text{N}}$  IRELAND NORTH
- 10  $\overline{\text{N}}$  IRELAND SOUTH

S<sup>W</sup> to W<sup>ly</sup> or N.W.<sup>ly</sup> winds, fresh or strong; some rain, then colder and fairer.

S<sup>W</sup> to W<sup>ly</sup> or N.W.<sup>ly</sup> winds; mild and rainy, then colder and fairer.

Wind varying between S.W. and N.W.; weather changeable, rain or hail in many places.

### WARNINGS

At 7 pm yesterday to Districts 0, 1, and 6 to 10. "Hurst South Cone."

Note.—The South Cone, point downwards ( $\overline{\text{N}}$ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards ( $\overline{\text{N}}$ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page.



ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.										PAST 24 HOURS.			
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.	
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.			
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	2	*	2	46	35	7.0	-	
Newton Reigny (Penrith)	30.19	40	SE 2	c	29.85		42	42		SW 4	r	*	50, gd	47	38	6.0	0.02	
Bath ... ..	30.37	45	W 1	2	30.15	- 18	45	43	+ 6	S 3	o	*	-	50	34	8.0	-	

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m. ....	0	0		7.1		Eastbourne ... ..	0	0	*	7.5	*
Rhyl ... ..	*	*	*	8.0	*	Hastings ... ..	*	*	*	6.2	*
Llandudno ... ..	*	*	*	7.1	*	Lowestoft, to 6 p.m. ...					
Aberystwyth, to 6 p.m. ...	49	42	3c	8.0	-	Harrogate, to 6 p.m. ...	49	33	3c	8.9	-
Plymouth, to 9 p.m. ....						Manchester, to 9 p.m. ...	47	38	u, 3c		
Worthing ... ..	*	*	*	9.0	*	Darwen, to 7 p.m. ...	45	33	r, 0, 3c, c	5.8	0.02
Brighton ... ..	*	*	*	9.0	*	Birmingham, to 9 p.m. ...	49	35	c, 3	6.2	-

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

[illegible]

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

**WEATHER.**—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

THE INFORMATION IS INSERTED IN PLACES FOR WHICH INFORMATION IS NOT USUALLY RECEIVED.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.
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COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Cor- responding Greenwich Times.	Hours of Evening Observations by Local Standard.	Cor- responding Greenwich Times.	9. March, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.† (W.E.T.)	6 p.m.†				
Holland ... ..	8 a.m. ( " " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.	Yarmouth ... ..	6. 24	12. 4	5. 43
Germany, Denmark, ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich ... ..	6. 31	12. 11	5. 51
Norway, Sweden }								
France ... ..	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick ... ..	6. 49	12. 23	5. 56
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.	Valencia ... ..	7. 13	12. 52	6. 32
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.				
Azores {	Point Delgada ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.				
	Horta ... ..	7.55 a.m.	9 p.m. (Local)	10.55 p.m.				

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

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to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

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† The evening observations in Belgium are not given on page 1. † At Oxford the observations are taken at 8 p.m.

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† At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 11<sup>th</sup> March, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)			At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)				Max.	Min.		
SCANDINAVIA.	Haparanda ...	30.06	30	SW	6	0	29.98	-15	30	29	+3	SSW	4	C	*	-	34	16	*	-	
	Hernösand ...	30.15	32	S	6	0	30.08	-20	33	32	+2	S	6	O	*	-	36	28	*	-	
	Stockholm ...	30.33	34	Z	0	0	30.26	-16	33	30	+2	SSW	2	O	*	-	37	27	*	-	
	Wisby ...	30.32	33	Z	0	0	30.29	-10	33	30	+1	Z	0	C	*	-	37	25	*	-	
	Karlstad ...	30.19	34	SE	2	0	30.19	-13	33	32	+1	SW	2	O	*	-	*	*	*	-	
	Færder (X'iania Fjord)	30.13	36	SSE	3	0	30.12	-13	36	36	+2	S	4	O	?	-	?	?	*	0.12	
	Bodö ...	29.70	37	SE	4	0	29.63	-21	37	33	+1	SSE	4	O	2	-	37	36	*	-	
	Christiansund ...	29.73	41	S	5	C	29.82	+02	40	33	-3	SSE	2	8	3	-	45	39	*	-	
	Skudesnaes ...	29.93	38	S	9	T	29.90	-10	39	38	0	SSE	8	T	6	0, T	39	37	*	*	
BRITISH ISLANDS.	Sumburgh Head	29.60	42	WSW	4	C	29.54	-02	43	42	+2	SSW	3	C	6	C	44	40	*	0.05	
	Stornoway ...	29.55	43	SW	3	O	29.43	-15	44	43	+6	SW	6	T	6	P, O	45	35	1.4	0.53	
	Malin Head ...	29.69	44	S	5	C	29.58	-21	43	41	+5	SSW	5	Og	4	8c, c	46	38	*	0.01	
	Blacksod Pt. ...	29.70	48	SW	5	cpm	29.57	-30	47	45	+5	SSW	6	cm	5	cp, cpm	48	39	*	0.03	
	Valencia ...	29.85	48	SW	3	op	29.71	-29	47	44	+7	S	4	C	5	or, op	49	40	1.4	0.06	
	Roche's Point ...	29.91	47	WSW	3	O	29.80	-19	48	46	+11	S	3	C	4	8c, p, o	48	35	*	0.04	
	Parsonstown ...	29.83	46	SSW	2	T	29.74	-20	41	40	+8	SSE	1	C	*	-	48	32	6.5	0.08	
	Donaghadee ...	29.84	45	SW	2	8	29.74	-12	44	43	+10	SW	2	C	2	-	47	32	*	-	
	Liverpool Obsy. ...	29.94	41	WNW	1	8	29.87	-05	40	39	+1	S	2	O	2	-	45	36	*	0.02	
GERMANY, &c.	Holyhead ...	29.91	43	SSW	3	8cm	29.83	-09	46	45	+5	SW	3	cm, p	2	8c, 8cm	47	39	*	0.05	
	Pembroke (St. Ann's)	29.98	44	WSW	4	8c	29.88	-09	46	45	+4	SSW	4	Og	4	8c, og	47	42	8.5	-	
	Scilly (St. Mary's)...	30.01	47	NNW	3	8c	29.95	-01	48	46	+4	SSW	4	cpm	4	8c	50	40	8.8	0.04	
	Jersey (St. Aubins)...	30.01	46	NW	3	cm	30.05	+06	37	35	-6	NW	2	8cm	2	o, cm, w	48	32	0.1	0.01	
	Portland Bill ...	29.98	46	W	1	8	30.01	+07	44	42	+2	SW	1	8	1	8c, 8	49	39	*	-	
	Dungeness ...	29.98	45	WSW	3	C	30.04	+04	34	34	-10	N	1	m	1	o, c, m	49	29	*	0.01	
	Wick ...	29.62	43	S	3	8c	29.53	-09	42	40	+5	S	3	8c	2	-	44	35	*	-	
	Nairn ...	29.68	40	WSW	1	8c	29.57	-10	44	41	+6	Z	0	8c	1	-	48	36	*	-	
	Aberdeen ...	29.75	43	SSW	3	8	29.69	-07	42	41	+6	SSE	3	om	2	8c, 8	49	35	6.9	-	
FRANCE.	Leith ...	29.79	44	SW	1	8	29.70	-11	46	43	+6	SSW	1	O	*	-	49	38	*	-	
	North Shields ...	29.86	45	W	1	8cm	29.82	-03	37	36	-2	SSW	3	cm	2	8cm	49	34	*	-	
	Spurn Head ...	29.91	39	S	1	8	29.93	+04	38	37	-3	SW	3	8	2	-	43	35	*	0.07	
	Yarmouth ...	29.93	44	S	4	O	29.97	+00	37	35	-6	WSW	3	8f	2	C, O	46	33	*	0.02	
	Loughborough ...																				
	Oxford ...	29.99	41	SSE	2	8	30.00	+08	37	35	-6	S	1	8c	*	r, 8	45	32	*	0.03	
	London (Brixton)...	29.96	43	SSW	2	Og	30.01	+05	34	34	-8	W	1	8	*	od, mf	45	30	0.0	0.05	
	The Scaw (Skagen)	30.13	37	SSW	4	O	30.13	-11	36	34	+1	SSW	4	O	1	-	37	34	*	-	
	Fanö ...	30.12	34	SE	2	8	30.13	-04	32	31	-2	SE	2	8	*	-	41	30	*	-	
SPAN. PEN.	Cuxhaven ...	30.12	40	SSE	1	O	30.14	-01	33	33	-1	S	2	C	*	-	43	33	*	-	
	The Helder ...	30.01	38	Z	0	8	30.02	-02	36	35	+1	S	1	C	O	-	46	34	*	-	
	Brussels ...	*	*	*	*	*	30.09	-01	36	34	+5	SE	2	8c	*	-	49	31	*	-	
	Berlin ...	30.18	33	E	2	O	30.17	-04	33	32	-2	ESE	2	O	*	-	36	32	*	-	
	Frankfurt ...	30.04	40	NE	2	O	30.10	-00	36	34	0	E	2	O	*	-	41	36	*	-	
	Munich ...	30.04	31	SE	2	8	30.10	+05	29	29	-3	SW	3	C	*	-	37	27	*	-	
	C. Gris Nez ...	30.01	43	SW	2	C	30.01	+00	41	41	+5	SW	1	m	O	-	48	36	*	-	
	Brest ...	30.04	45	N	2	8c	30.02	+06	42	37	0	E	2	8	2	-	50	39	*	-	
	Lorient ...	30.01	46	NW	4	O	30.05	+11	41	41	-4	NE	2	8	*	-	54	37	*	-	
Rochefort ...	29.97	48	ENE	3	8c	30.02	+11	38	37	0	NNE	3	8	*	8, 8c	55	34	*	-		
SPAN. PEN.	Biarritz ...	29.94	52	N	1	O	30.06	+20	44	42	+5	S	1	8c	4	-	55	39	*	-	
	Paris ...	30.03	43	E	1	8	30.06	+00	28	28	0	NE	1	8	*	-	50	28	*	-	
	Belfort ...	30.01	36	NE	5	m	30.06	+02	31	29	-1	NNE	3	m	*	-	44	28	*	-	
	Lyons ...	29.97	44	ENE	1	8	30.08	+03	34	32	+2	E	1	8	*	-	51	32	*	-	
SPAN. PEN.	Nice ...	29.99	44	Z	0	8	30.01	+03	38	33	-2	E	2	8c	2	-	55	36	*	-	
	Perpignan ...	29.88	50	E	1	O	30.00	+04	44	41	+12	SW	1	O	*	-	57	32	*	-	
SPAN. PEN.	Corunna ...																				
	Lisbon ...																				
	Azores (P. Delgada)																				
SPAN. PEN.	" (Horta) ...	30.35	56	SW	1	O	30.14	-37	57	55	+4	WSW	4	O	2	-	59	53	*	0.16	

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR WEDNESDAY, 11<sup>TH</sup> MARCH, 1903.

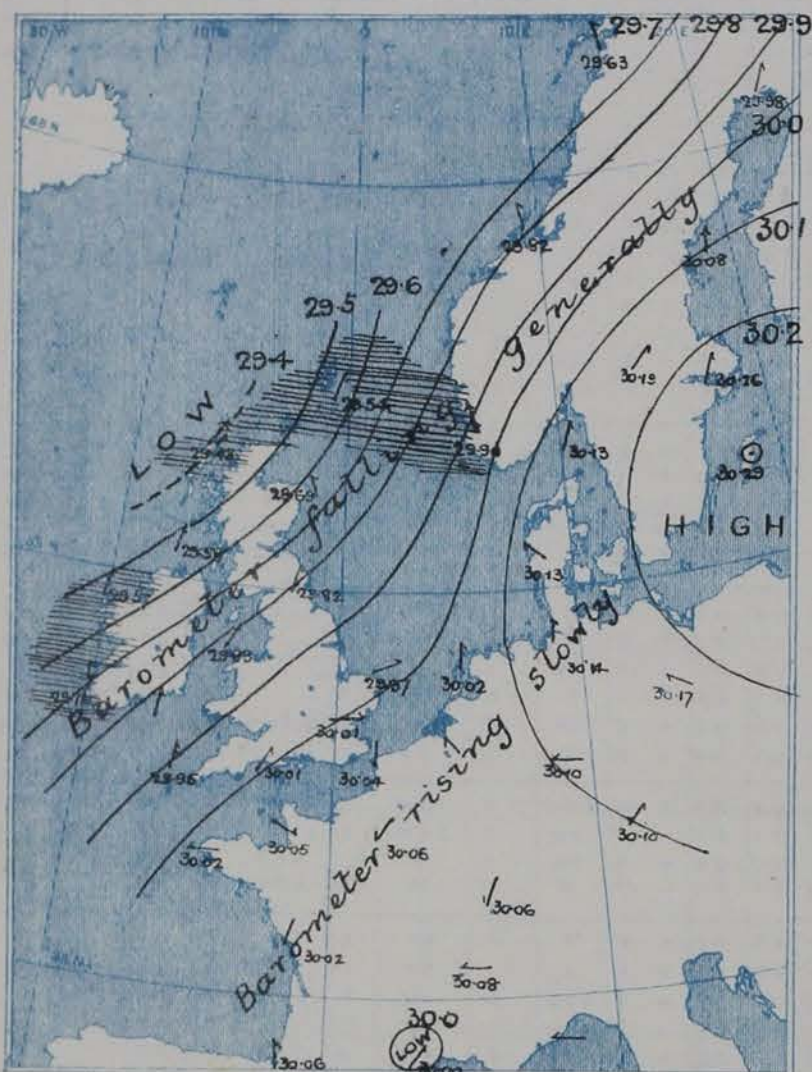
## I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉  
Force 8 to 10 → Force 1 to 4 →

SEA.—Rough High

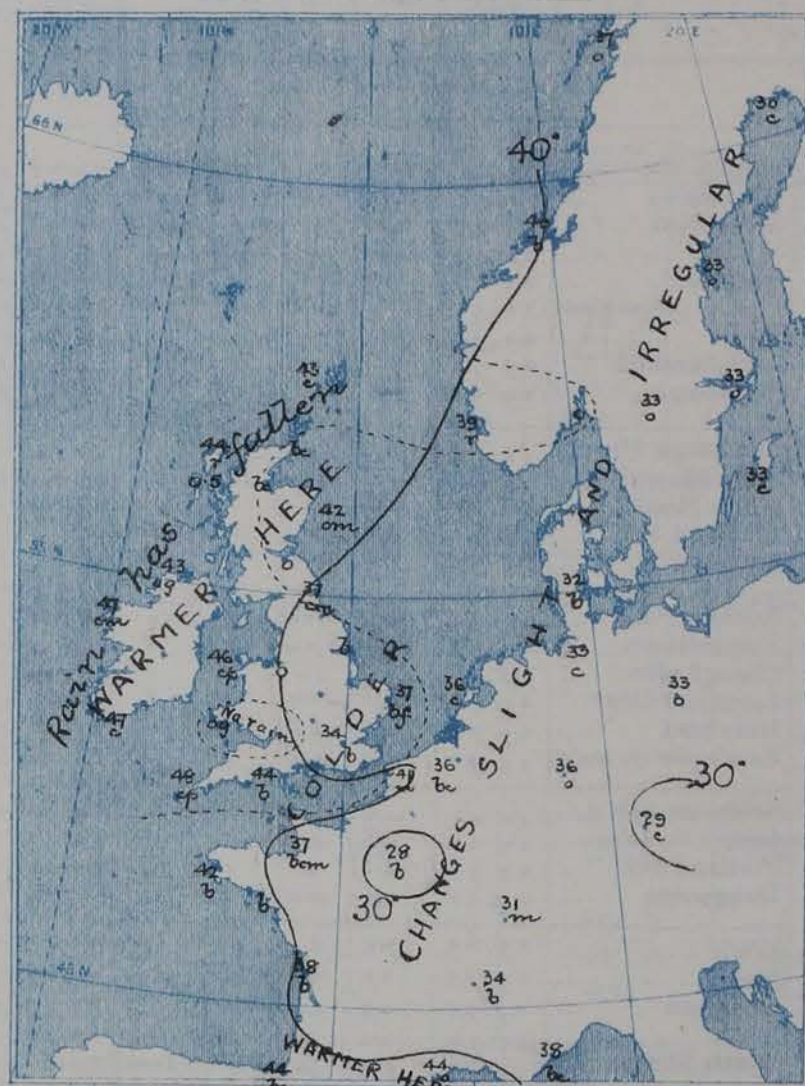


## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus .06



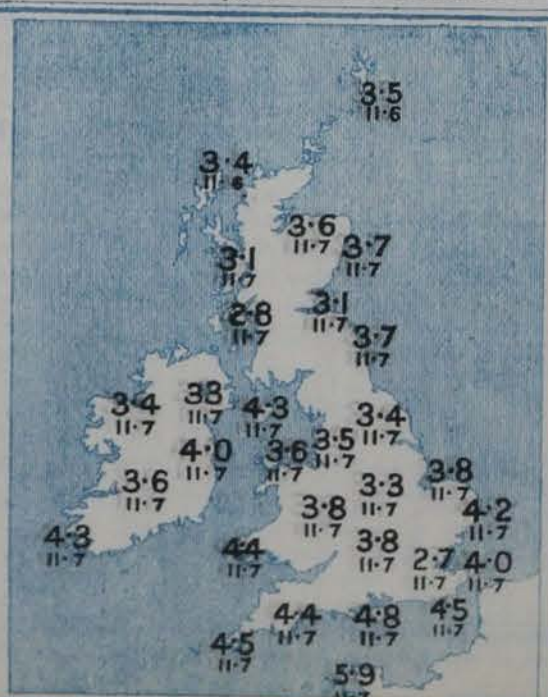
## III. BAROMETER AND WIND

Yesterday morning.



## IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration, for MARCH

Specimen { Average No of Hours daily } 3.4  
(for Stornoway) { Total Possible } 11.6





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Since yesterday the barometer has risen a little in the west and northwest of our Islands, fallen in the east as well as over the greater part of the Continent; and readings this morning range from 30.42 ins. at Stockholm and 30.00 ins. at Valencia to 29.56 ins. at Lumburgh Head and 29.86 ins. at Biarritz.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind varies greatly both in direction and force; it remains S.W.<sup>ly</sup> in Scotland and the north of Ireland, and is S.<sup>ly</sup> strong to a gale in the west of Norway. It is S.<sup>ly</sup> and light in the east of England, S.E.<sup>ly</sup> in Holland and the north of France, but E.<sup>ly</sup> to N.E.<sup>ly</sup> over the remainder of France and the Bay of Biscay.

Temperature has risen a little in the east, fallen decidedly over the western parts of our area; it ranges from 44° at Scilly and 44° at Dungeness to 33° at Parsonstown and 32° at Newton Reigny; on the continent it is still lower, viz. 28° at Paris, 32° at Munich, 31° at Stockholm and 27° at Haparanda. Throughout our Islands it is several degrees below the average.

The weather has cleared up in many parts of Ireland and Scotland, but is dull and rainy in the inland and eastern parts of England. Several continental stations are clear and bright.

Sea is rough at Lumburgh Head, smooth in the Channel.

During yesterday rain fell at almost all our own stations, and temperature rose to 51° at Scilly and London in the afternoon.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure area in the north is passing off, and the S.W.<sup>ly</sup> winds there are likely to decrease. The Continental anticyclone is giving way, and a new depression over Spain appears to be spreading over the Bay of Biscay and France, so that E.<sup>ly</sup> winds are probable over the southern parts of England.

## FORECASTS \*


For the 24 hours ending at NOON on 11<sup>TH</sup> MARCH 1903

### DISTRICTS.


### FORECASTS.

### DISTRICTS.


### FORECASTS.

0  SCOTLAND NORTH

SW<sup>ly</sup> winds, moderate to fresh; some rain.

6  SCOTLAND WEST

Same as No. 0.


1  SCOTLAND EAST

SW<sup>ly</sup> and variable winds, light; fair.

7  ENGLAND N.W.

Same as No. 0.

2 { ENGLAND N.E.

8  ENGLAND S.W.

Variable and E.<sup>ly</sup> winds, light; fair as a whole.


3 { ENGLAND EAST

9  IRELAND NORTH

Same as No. 0.

4 { MIDLAND COUNTIES

Varying S.<sup>ly</sup> to E.<sup>ly</sup> winds, light; fair, colder. Not settled.


10  IRELAND SOUTH


Varying and SW<sup>ly</sup> winds, light to moderate; changeable.

5 { ENGLAND SOUTH

### WARNINGS

The S. cone has not been lowered in the N. and W. at present.

Note.—The South Cone, point downwards (  ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (  ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.						PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	0	*	8.8c	46	42	8.2	-
Newton Reigny (Penrith)	29.77	40	WSW 4	0	29.85	0.00	32	31	- 1.0	W 0	c	*	07.8c	42	31	0.0	0.68
Bath ... ..	29.97	46	S 2	0	29.92	- .23	40	39	- 5	N 2	0	*	-	48	40	0.0	0.15

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m. ....	47	39	op, o, od	0.0	0.17	Eastbourne ... ..	*	*	*	3.4	*
Rhyl ... ..	*	*	*	0.5	*	Hastings ... ..	*	*	*	6.1	*
Llandudno ... ..	*	*	*	0.0	*	Lowestoft, to 6 p.m. ...	47	34	3, c, p, 8c, 8	6.3	0.01
Aberystwyth, to 6 p.m. ...	50	47	0, c	0.0	0.02	Harrogate, to 6 p.m. ...	47	36	0	0.0	-
Plymouth, to 9 p.m. ....	*	*	*	0.1	*	Manchester, to 9 p.m. ...	49	39	cb, ou, p	0.0	-
Worthing ... ..	*	*	*	0.9	*	Darwen, to 9 p.m. ...	44	35	cg, or	0.0	0.24
Brighton ... ..	*	*	*	*	*	Birmingham, to 9 p.m. ...	45	35	0, r	0.0	0.12

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 9 Mar., 1903.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Utrecht ... ..	?	?	b f	0.04	Tunis ... Not Rec <sup>d</sup>				Ins.
Madrid ... ..					Algiers ... ..	59	46	c c	0.16
Vienna ... ..	41	37	0 0	-	Madeira (Funchal) ...	68	50	b b	-
St. Petersburg ... ..	36	32	0 0	-					
Trieste ... ..	45	41	0 0	-	8 Mar., 1903.				
Florence ... ..	45	41	r 0	0.47	1 p.m.			1 p.m.	Measured 7 a.m.
Rome ... ..	51	36	b 0	-	information not rec <sup>d</sup>				
Corsica (I. Sanguinaires) ...	59	41	m f	-	Lugano ... ..				
Naples ... ..	52	39	c 0	0.16	Davos ... ..				
Palermo ... ..	62	43	0 0	0.08	Lucerne ... ..				
Malta ... ..	58	48	? c	-	Lausanne ... ..				

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.  
\* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.†
Holland ... ..	8 a.m. ( " " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France ... ..	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Horta ... ..	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

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

10 Mar., 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6.22	12.4	5.45
Greenwich ... ..	6.29	12.11	5.53
Wick ... ..	6.47	12.23	5.59
Valencia ... ..	7.11	12.52	6.34

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" Weekly " " " £1 10 0 " " Single Copies, 6d.

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† The evening observations in Belgium are not given on page 1.

† At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on *Thursday, 12<sup>th</sup> March, 1903.*

Issued by the *METEOROLOGICAL OFFICE, 63, Victoria Street, London.* *W. N. SHAW, Secretary.*

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.	
At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Max.	Min.									
Ins.	°			Ins.	Ins.	°															
SCANDINAVIA.	Haparanda ...	29.98	31	SSW	4	0	29.95	-0.03	31	30	+1	SW	4	0	-	33	27	*	-		
	Hernösand ...	30.05	33	S	6	0	30.04	-0.04	32	31	-1	S	8	0	-	36	25	*	-		
	Stockholm ...	29.92	32	Z	0	0	30.32	+0.06	31	30	-2	S	2	0	-	35	28	*	-		
	Wisby ...	30.32	33	SSW	2	0	30.34	+0.05	32	30	-1	Z	0	0	-	36	27	*	-		
	Karlstad ...	30.26	31	NW	2	0	30.26	+0.07	32	32	-1	WSW	4	0	-	*	*	*	-		
	Færder (X'iania Fjord) ...	30.17	36	S	5	0	30.23	+0.11	35	32	-1	SSW	4	0	3	-	37	35	*	-	
	Bodö ...	29.67	40	SE	4	0	29.63	-0.00	38	37	+1	SW	7	0	4	-	40	36	*	0.16	
	Christiansund ...	29.72	46	S	4	0	29.74	-0.08	44	37	+4	SSW	2	0	4	-	46	39	*	-	
Skudesnaes ...	29.59	40	SSE	8	0	29.99	+0.09	39	37	0	SSE	8	0	5	m, o	43	37	*	-		
BRITISH ISLANDS.	Sumburgh Head ...	29.54	44	SSW	4	0	29.45	-0.09	45	44	+2	SSW	6	0	6	8, o	46	43	*	0.01	
	Stornoway ...	29.41	46	SW	7	0	29.44	+0.01	40	38	-4	WSW	4	0	4	p, o	48	38	0.3	0.20	
	Malin Head ...	29.46	47	S	7	0	29.61	+0.05	41	40	-2	SSW	4	0	3	o	49	40	*	-	
	Blacksod Pt. ...	29.35	49	SSW	9	0	29.63	+0.06	43	40	-4	SW	3	0	3	rg, m, s, p, m	49	39	*	0.09	
	Valencia ...	29.51	49	S	6	0	29.67	-0.04	41	39	-6	NE	1	0	4	rg, m, s, p, m	52	38	0.0	0.14	
	Roche's Point ...	29.67	49	S	6	0	29.68	-0.12	43	42	-5	NNW	3	0	2	c, o, p	50	41	*	0.32	
	Parsonstown ...	29.61	47	S	6	0	29.68	-0.06	41	41	0	S	1	0	0	c, p, o, r	50	40	1.8	0.22	
	Donaghadee ...	29.67	47	SSW	3	0	29.69	-0.05	41	41	-3	WSW	1	0	1	-	50	40	*	0.17	
Liverpool Obsy. ...	29.84	49	S	1	0	29.83	-0.04	41	40	+1	SSE	3	0	2	o, p	53	40	*	0.03		
Holyhead ...	29.79	46	S	4	0	29.75	-0.08	45	44	-1	S	7	0	5	d, p, c, m	50	?	*	-		
Pembroke (St. Ann's) ...	29.83	47	SSW	5	0	29.78	-0.10	47	45	+1	SSW	6	0	5	-	48	45	2.7	-		
GERMANY, &c.	Scilly (St. Mary's) ...	29.84	49	S	5	0	29.73	-0.22	49	47	+1	S	5	0	5	c, o, p	54	46	7.3	0.01	
	Jersey (St. Aubins) ...	30.00	46	S	2	0	29.96	-0.09	44	43	+7	SSE	3	0	3	8, w	52	37	10.1	-	
	Portland Bill ...	29.97	45	SW	1	0	29.92	-0.09	45	43	+1	SSW	2	0	1	8, c	50	42	*	-	
	Dungeness ...	30.00	45	W	1	0	29.98	-0.06	45	43	+11	S	2	0	0	8	52	34	*	-	
	Wick ...	29.56	46	S	5	0	29.52	-0.01	44	42	+2	S	3	0	2	-	48	40	*	-	
	Nairn ...	29.54	46	SW	4	0	29.54	-0.03	41	39	-3	WSW	3	0	1	-	53	41	*	-	
	Aberdeen ...	29.69	44	S	3	0	29.65	-0.04	45	43	+3	SSW	4	0	2	o, c	46	41	0.0	-	
	Leith ...	29.68	48	SSW	2	0	29.68	-0.02	47	44	+1	SSW	2	0	0	-	53	44	*	-	
North Shields ...	29.79	48	SSW	2	0	29.80	-0.02	43	42	+6	SSW	3	0	2	c, o, m, p	49	36	*	-		
FRANCE.	Spurn Head ...	29.89	44	SW	3	0	29.93	-0.00	39	38	+1	SW	4	0	2	-	48	37	*	-	
	Yarmouth ...	29.96	46	SSW	3	0	29.97	-0.00	42	41	+5	SSW	2	0	2	8, 8, c	48	34	*	-	
	Loughborough ...	29.97	44	S	2	0	29.94	-0.06	38	37	+1	SSE	1	0	1	-	51	35	*	-	
	Oxford ...	29.98	45	SSE	1	0	29.96	-0.05	42	40	+8	S	1	0	1	8, c, 8, w	53	30	5.5	-	
	London (Brixton) ...	29.98	45	SSE	1	0	29.96	-0.05	42	40	+8	S	1	0	1	8	53	30	5.5	-	
	The Scaw (Skagen) ...	30.21	35	S	3	0	30.22	+0.09	35	32	-1	S	3	0	1	-	37	34	*	-	
	Fanö ...	30.19	30	ESE	2	0	30.16	+0.03	31	30	-1	ESE	2	0	0	-	41	30	*	-	
	Cuxhaven ...	30.15	35	E	2	0	30.14	-0.00	34	33	+1	SE	2	0	0	-	39	33	*	-	
The Helder ...	30.04	43	SW	1	0	30.04	+0.02	34	34	-2	SSW	1	0	0	-	48	32	*	-		
SPAN. PEN.	Brussels ...	*	*	*	*	*	30.05	-0.04	38	35	+2	Z	0	0	0	-	50	34	*	-	
	Berlin ...	30.21	36	E	2	0	30.21	+0.04	35	34	+2	SE	1	0	0	-	39	32	*	-	
	Frankfurt ...	30.12	38	E	2	0	30.10	-0.00	31	30	-5	NE	2	0	0	-	45	30	*	-	
	Munich ...	30.10	32	SE	2	0	30.10	-0.00	28	28	-1	E	3	0	0	-	43	25	*	-	
	C. Gris Nez ...	30.00	43	W	2	0	29.99	-0.02	40	36	-1	S	2	0	1	-	50	37	*	-	
	Brest ...	29.97	48	SSW	2	0	29.88	-0.14	48	45	+6	S	3	0	3	-	50	42	*	-	
	Lorient ...	30.01	48	S	2	0	29.91	-0.14	46	46	+5	NE	4	0	3	-	55	37	*	-	
	Rochefort ...	30.00	48	NNW	3	0	29.97	-0.05	40	39	+2	ESE	3	0	2	-	54	34	*	-	
Biarritz ...	30.06	50	Z	0	0	29.98	-0.08	39	39	-5	ESE	3	0	2	-	54	37	*	-		
SPAN. PEN.	Paris ...	30.03	44	NE	2	0	30.03	-0.03	28	28	0	ENE	1	0	0	-	51	28	*	-	
	Belfort ...	29.99	46	NE	2	0	30.05	-0.01	31	30	0	NE	3	0	0	-	54	31	*	-	
	Lyons ...	30.04	46	SE	1	0	30.05	-0.03	39	37	+5	N	1	0	0	-	55	34	*	-	
	Nice ...	30.02	46	E	2	0	29.99	-0.08	39	36	+1	E	3	0	0	-	54	38	*	-	
	Perpignan ...	30.02	47	W	2	0	30.02	+0.02	38	38	-6	SW	1	0	0	-	55	37	*	-	
SPAN. PEN.	Corunna ...																		*	-	
	Lisbon ...																		*	-	
SPAN. PEN.	Azores (P. Delgada) ...																		*	-	
	" (Horta) ...	30.21	50	NNW	3	0	30.22	+0.08	50	44	-7	N	3	0	3	-	57	46	*	0.04	

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR Thursday 12<sup>th</sup> March, 1903.

## I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 →

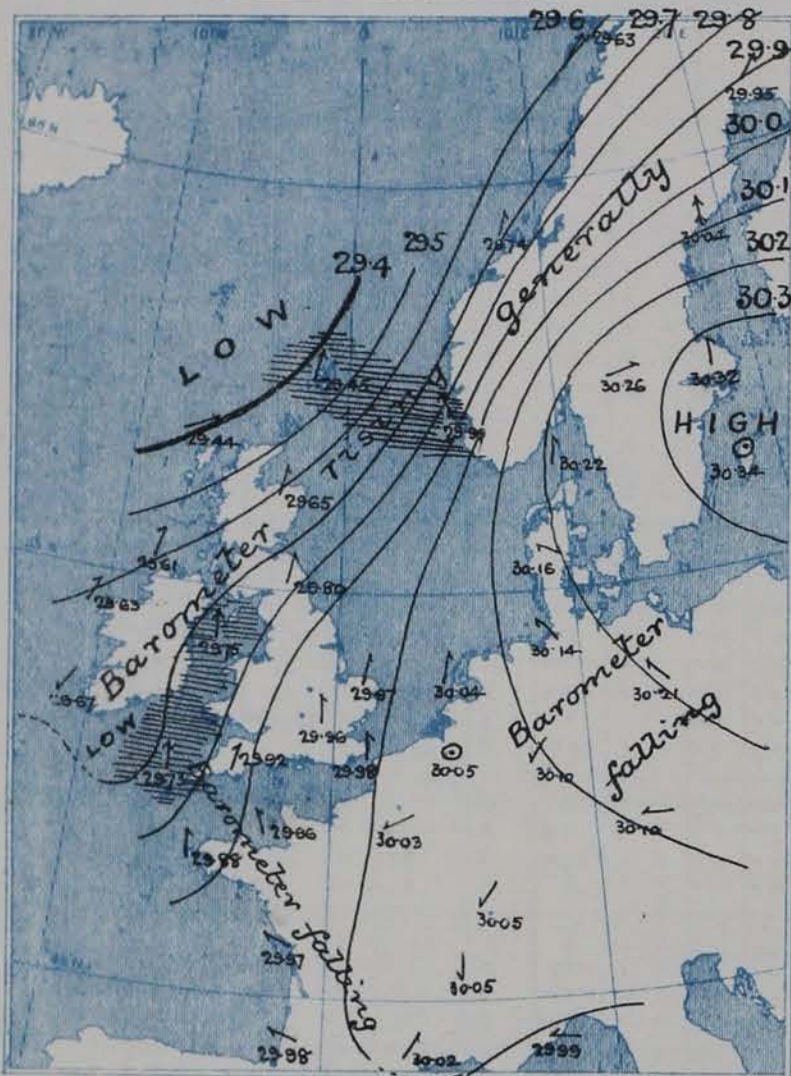
Force 5 to 7 →

Calm ☉

Force 8 to 10 →

Force 1 to 4 →

SEA.—Rough High

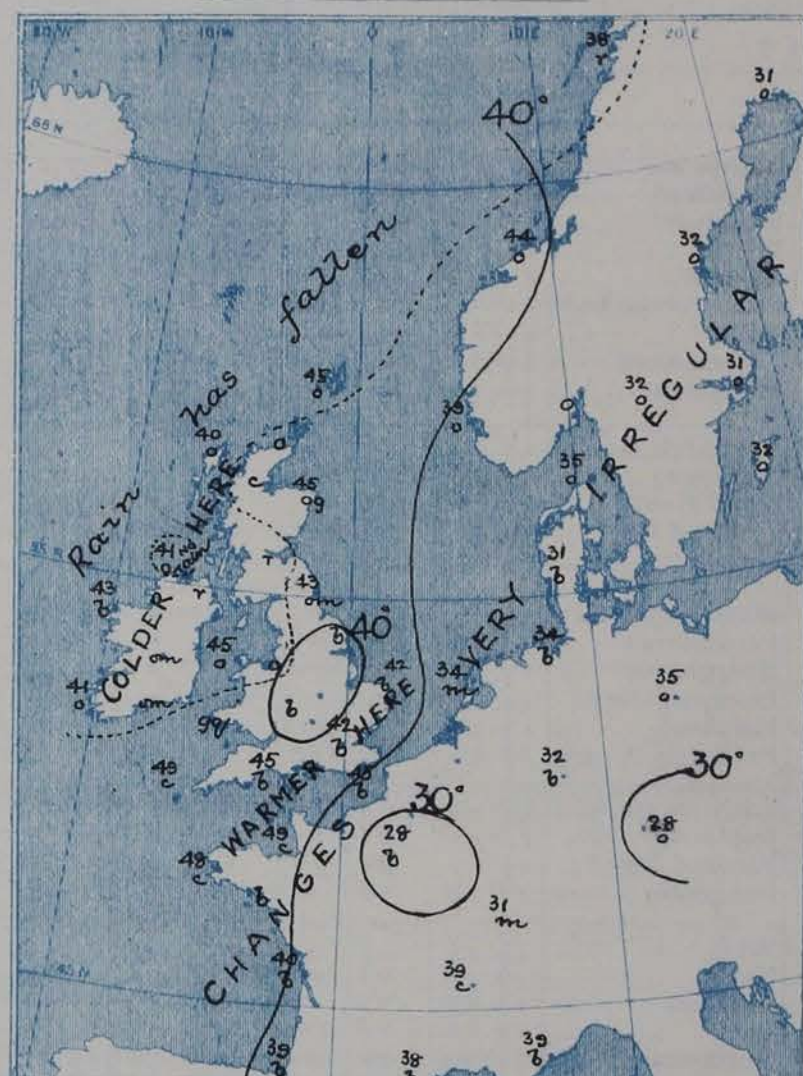


## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus .06



## III. BAROMETER AND WIND

Yesterday morning.



## IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration, for MARCH

Specimen { Average No of Hours daily } 3.4  
(for Stornoway) { Total Possible } 11.6



## V. Means of DAILY TEMPERATURE at 8 A.M. for the monthly period MARCH (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Barometric pressure at present ranges from 30.29 ins. at Miskely and above 30.1 ins. over the Baltic, the south of Sweden, Denmark and Germany, to 30.0 ins. or less in a very shallow disturbance over the south of France, and to about 29.4 ins. in a large system which is skirting our extreme northwest coasts and moving in a northeasterly direction. Pressure is increasing slowly over the southern and eastern parts of our area, but still decreasing over our own western and northern districts, and the movement has become much accelerated during the night on our extreme southwest coasts.

### WIND

The wind has shifted to the S<sup>ly</sup> or SW<sup>ly</sup> over the United Kingdom and increased to a strong breeze at some outlying stations on our northwest coasts. Over France and Germany the wind is light and mainly from some NE<sup>ly</sup> or E<sup>ly</sup> point, while over Scandinavia and Denmark it is S<sup>ly</sup> and at Skudesnaes blows a fresh gale.

### TEMPERATURE

Temperature has risen generally - quickly in Ireland - but fallen over central and eastern England and at some German stations. Over our western and northern districts, where it is above the mean, it varies between 48° and 42°, but at Dungeness and in London the reading is as low as 34° - or about 6° below the normal. On the continent the readings are nearly all below 40°, the highest being 44° at Biarritz and Perpignan and the lowest 29° at Munich and 28° at Paris.

### WEATHER

The weather is fine and bright in most parts of England and France, cloudy or dull elsewhere, with showers at some of our own western stations and rain at Stornoway and Skudesnaes.

### AND

The sea is rough off the north of Scotland and rather so off the west of Ireland, but slight or smooth on our coasts generally.

### SEA

The highest temperature recorded over our Islands yesterday was 50° at Scilly, but at Oxford and in London the maximum reading did not exceed 45°. Frost occurred during the night in several places - in London and at Dungeness the respective shade minima were 30° and 25°. At Oxford & in London the grass temperature was as low as 22°. Slight rain fell in the western, northwestern and southern districts; at Stornoway there was as much as 0.53 in. Bright sunshine was very prevalent yesterday in the north and west of England, the east of Scotland and central Ireland. A lunar halo was observed at Blackrod Point and Aberdeen.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The acceleration of the baric fall in the southwest seems to point to the approach of another disturbance, which may be expected to spread eastwards and cause a gradual extension of unsettled weather over the whole Kingdom and a great increase in the force of the wind along our western coasts.

## FORECASTS \*

For the 24 hours ending at NOON on 12<sup>TH</sup> MARCH. 1903

### DISTRICTS.

### FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

S<sup>ly</sup> and SW<sup>ly</sup> winds, increasing greatly in force; mild, some rain - most in west.

S<sup>ly</sup> or SW<sup>ly</sup> winds, freshening somewhat; fine today, less settled and perhaps some rain by tomorrow. Temperature becoming rather high.

### DISTRICTS.

### FORECASTS.


- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH


Same as Nos. 0 and 1.

S<sup>ly</sup> and SW<sup>ly</sup> winds, increasing greatly in force; mild, rain at times.

### WARNINGS

At 7.10 pm. yesterday to Districts 0, 6, and parts of 1 and 9, "Keep up Cone."

Note.—The South Cone, point downwards (  ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (  ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page.



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.						PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	f	*	80.7	47	31	4.0	0.05
Newton Reigny (Penrith)	29.87	37	Z 0	8	29.78	-.07	39	38	+ 7	SE 1	0	*	0.8c	41	32	7.5	-
Bath ... ..	29.97	44	W 1	8	29.97	+.05	40	39	0	SE 1	8	*	-	50	29	4.0	-

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m. ...	46	36	or, c, 8	8.6	0.07	Eastbourne ... ..	*	*	*	1.0	*
Rhyl ... ..	*	*	*	8.8	*	Hastings ... ..	*	*	*	1.6	*
Llandudno ... ..	*	*	*	9.2	*	Lowestoft, to 6 p.m. ...	47	41	o, c, d	1.0	*
Aberystwyth, to 6 p.m. ...	47	42	c	9.0	0.04	Harrogate, to 6 p.m. ...	50	36	8c, 8c	5.8	0.10
Plymouth, to 9 p.m. ...	49	39	or, 8w	7.4	0.23	Manchester, to 9 p.m. ...	48	37	r, o, 8c, 8m	3.8	0.22
Worthing ... ..	*	*	*	0.0	*	Darwen, to 9 p.m. ...	46	33	or, 8c, 8v	5.8	0.21
Brighton ... ..	*	*	*	0.0	*	Birmingham, to 9 p.m. ...	47	35	r, c	1.7	0.35

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 10.....11.....1903.	TEMPERATURE F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Utrecht ... ..	46	28	b m	Ins.	Tunis ... ..	52	37	bc bc	0.16
Madrid ... ..	59	30	c o	-	Algiers ... ..	61	45	o bc	-
Vienna ... ..	41	34	o o	?	Madeira (Funchal) ...	68	50	b bc	-
St. Petersburg ... ..	36	32	o m	-	9.....10.....1903.				
Trieste ... ..	46	41	b o	-					
Florence ... ..	50	41	c b	-	1 p.m.				
Rome ... ..	55	43	o o	-	Lugano ... ..	52	-	b	Measured 7 a.m.
Corsica (I. Sanguinaires) ...	54	43	f 8	-	Davos ... ..	27	-	o	
Naples ... ..	51	42	b o	-	Lucerne ... ..	39	-	o	
Palermo ... ..	56	43	r cl	0.47	Lausanne ... ..	39	-	b	
Malta ... ..	55	46	? c	0.16					

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.  
\* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.			
COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	11.....12.....1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.†	Yarmouth ... ..	6.20	12.3	5.47
Holland ... ..	8 a.m. ( " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.	Greenwich ... ..	6.26	12.10	5.55
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Wick ... ..	6.44	12.22	6.1
France ... ..	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Valencia ... ..	7.8	12.51	6.35
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.				
Portugal ... ..	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.				
Azores { Point Delgada ...	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.				
Horta ...	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.				

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.  
" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

† At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on *Friday, 13<sup>th</sup> March, 1903.*

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.	
At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Max.	Min.									
Ins.	°			Ins.	Ins.	°															
SCANDINAVIA.	Haparanda ...	29.91	30	SW	4	0	29.97	+0.02	30	30	-1	SW	4	0	*	-	34	18	*	-	
	Hernösand ...	30.07	33	S	4	0c	30.11	+0.07	32	31	0	S	4	0c	*	-	39	27	*	-	
	Stockholm ...	30.35	34	Z	0	0	30.36	+0.04	34	32	+3	SSW	2	0	*	-	36	28	*	-	
	Wisby ...	30.40	34	Z	0	0	30.40	+0.06	34	31	+2	SE	2	0	*	-	36	27	*	-	
	Karlstad ...	30.27	33	SW	2	0	30.28	+0.02	34	33	+2	SW	2	0	*	-	*	*	*	-	
	Færder (X'ania Fjord)	30.20	36	SW	4	0	30.21	-0.02	37	36	+2	SSE	4	0	2	-	37	35	*	-	
	Bodö ...	29.56	41	S	6	0	29.77	+0.14	37	36	-1	SW	5	0c	3	-	43	36	*	0.12	
	Christiansund ...	29.68	44	WSW	6	0	29.85	+0.11	39	38	-5	ESE	1	0	4	-	48	39	*	-	
Skudesnaes ...	30.02	39	S	8	0	30.01	+0.02	39	36	0	SSE	8	m	5	0	39	37	*	*		
BRITISH ISLANDS.	Sumburgh Head	29.64	43	WSW	2	0	29.61	+0.16	41	40	-4	SSW	3	0	5	0	45	40	*	-	
	Stornoway ...	29.55	42	SW	3	0	29.56	+0.12	40	39	0	WSW	4	0	4	c	48	37	6.0	0.10	
	Malin Head ...	29.69	44	SW	3	0	29.71	+0.10	40	39	-1	SW	4	0	3	c	47	37	*	-	
	Blacksod Pt. ...	29.69	46	SW	4	0c	29.79	+0.16	42	41	-1	WSW	3	0cp	3	bc, bc	48	34	*	0.02	
	Valencia ...	29.74	46	NW	1	0ev	29.85	+0.18	38	36	-3	Z	0	0c	4	ev, bc, ev	48	33	2.0	0.01	
	Roche's Point ...	29.72	43	NNW	4	0	29.83	+0.15	38	38	-5	NW	3	0	2	og, r, o	45	37	*	0.07	
	Parsonstown ...	29.73	41	SE	2	r	29.82	+0.14	34	33	-7	SE	1	0	*	or	43	32	0.0	0.09	
	Donaghadee ...	29.73	40	WNW	1	r	29.78	+0.09	38	37	-3	W	1	0	2	-	45	36	*	0.33	
Liverpool Obsy.	29.83	46	SSE	2	0	29.83	+0.00	43	41	+2	SSE	3	0	3	-	50	41	*	-		
Holyhead ...	29.78	47	S	6	omp	29.78	+0.03	42	42	-3	N	3	rgm	3	ogm, cpm	49	41	*	0.12		
Pembroke (St. Ann's)	29.80	48	S	5	0	29.76	-0.02	47	47	0	S	5	r	5	og	49	47	1.2	0.15		
GERMANY, &c.	Scilly (St. Mary's)...	29.75	51	S	5	0	29.75	+0.02	50	49	+1	SW	4	omp	4	c	53	40	2.7	0.12	
	Jersey (St. Aubins)...	29.93	53	ESE	2	0cm	29.95	-0.01	46	44	+2	SE	3	0cm	3	bc, bc	53	43	6.5	-	
	Portland Bill ...	29.93	47	S	2	0	29.92	+0.00	46	45	+1	S	2	0	2	c	51	45	*	-	
	Dungeness ...	29.98	45	Z	0	0	29.98	+0.00	46	45	+1	S	3	mw	1	bc, f	52	42	*	-	
	Wick ...	29.65	42	SW	3	0c	29.62	+0.10	40	38	-4	SW	3	0	1	-	47	38	*	-	
	Nairn ...	29.66	43	W	1	0	29.65	+0.11	40	38	-1	SW	3	0	1	-	48	36	*	-	
	Aberdeen ...	29.73	42	SSW	2	r	29.71	+0.06	42	41	-3	SW	3	omd	2	ogm, r	45	40	0.0	0.02	
	Leith ...	29.73	46	SW	1	r	29.76	+0.08	40	39	-7	SW	1	rm	*	-	48	37	*	0.38	
North Shields ...	29.82	48	SSW	3	om	29.80	+0.00	44	43	+1	S	3	om	2	cm, om	50	41	*	-		
FRANCE.	Spurn Head ...	29.89	45	SW	3	0	29.89	-0.04	42	41	+3	SSW	4	0c	2	-	50	38	*	-	
	Yarmouth ...	29.95	45	SSE	4	0c	29.96	-0.01	43	42	+1	SSW	2	0c	2	bc, bc	46	37	*	-	
	Loughborough ...														*						
	Oxford ...	29.95	45	S	2	0	29.93	-0.01	42	40	+4	SE	2	0	*	-	51	38	*	-	
	London (Brixton)...	29.96	48	S	2	0	29.95	-0.01	46	42	+4	S	3	0c	*	bc, bc	55	37	4.7	-	
	The Scaw (Skagen)	30.23	37	S	3	m	30.22	+0.00	38	37	+3	S	3	m	1	-	38	34	*	-	
	Fanö ...	30.15	32	ESE	2	0	30.15	-0.01	33	32	+2	SE	4	0	*	-	41	30	*	-	
	Cuxhaven ...	30.13	40	Z	0	m	30.14	+0.00	33	32	-1	SE	2	0	*	-	41	32	*	-	
The Helder ...	30.02	43	ESE	1	0	30.01	-0.03	35	35	+1	ESE	1	0	0	-	48	32	*	-		
SPAN. PEN.	Brussels ...	*	*	*	*	*	30.06	+0.01	39	37	+1	SSE	2	0	*	-	53	36	*	-	
	Berlin ...	30.23	37	ESE	1	0	30.24	+0.03	32	31	-3	ESE	3	0	*	-	45	30	*	-	
	Frankfurt ...	30.09	39	E	2	0	30.14	+0.04	32	31	+1	NE	2	0	*	-	50	31	*	-	
	Munich ...	30.09	34	SE	3	0	30.12	+0.02	26	26	-2	E	2	0	*	-	41	25	*	-	
	C. Gris Nez ...	30.00	45	SSW	1	0	20.95	-0.04	42	39	+2	S	3	0	1	-	52	40	*	-	
	Brest ...	29.87	49	SSE	4	0	29.86	-0.02	47	47	-1	SE	3	0	4	-	50	46	*	-	
	Lorient ...	29.93	49	SE	4	0	29.90	-0.01	46	46	0	SE	2	0c	2	-	55	37	*	-	
	Rochefort ...	29.95	52	Z	0	0	29.94	-0.03	42	41	+2	ESE	3	0	*	bc	61	39	*	-	
Biarritz ...	29.95	60	Z	0	0	29.96	-0.02	54	50	+15	S	3	0	2	-	61	39	*	-		
SPAN. PEN.	Paris ...	30.01	48	Z	0	0	30.03	+0.00	32	32	+4	E	1	0c	*	-	55	28	*	-	
	Belfort ...	29.99	47	NE	4	0	30.06	+0.01	32	30	+1	NE	3	m	*	-	53	31	*	-	
	Lyons ...	30.01	50	NE	1	0	30.09	+0.04	36	34	-3	SE	1	0	*	-	58	32	*	-	
	Nice ...	29.99	48	Z	0	0	30.04	+0.05	42	39	+3	ENE	2	0	*	-	55	39	*	-	
	Perpignan ...	30.00	50	SE	2	0	30.03	+0.01	37	37	-1	SW	1	0	*	-	60	35	*	-	
SPAN. PEN.	Corunna ...																		*	-	
	Lisbon ...																		*	-	
SPAN. PEN.	Azores (P. Delgada)																		*	-	
	" (Horta) ...	30.37	51	N	4	0c	30.38	+0.16	53	45	+3	NNW	4	0	2	-	56	50	*	-	

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR Friday, 13<sup>th</sup> March, 1903.

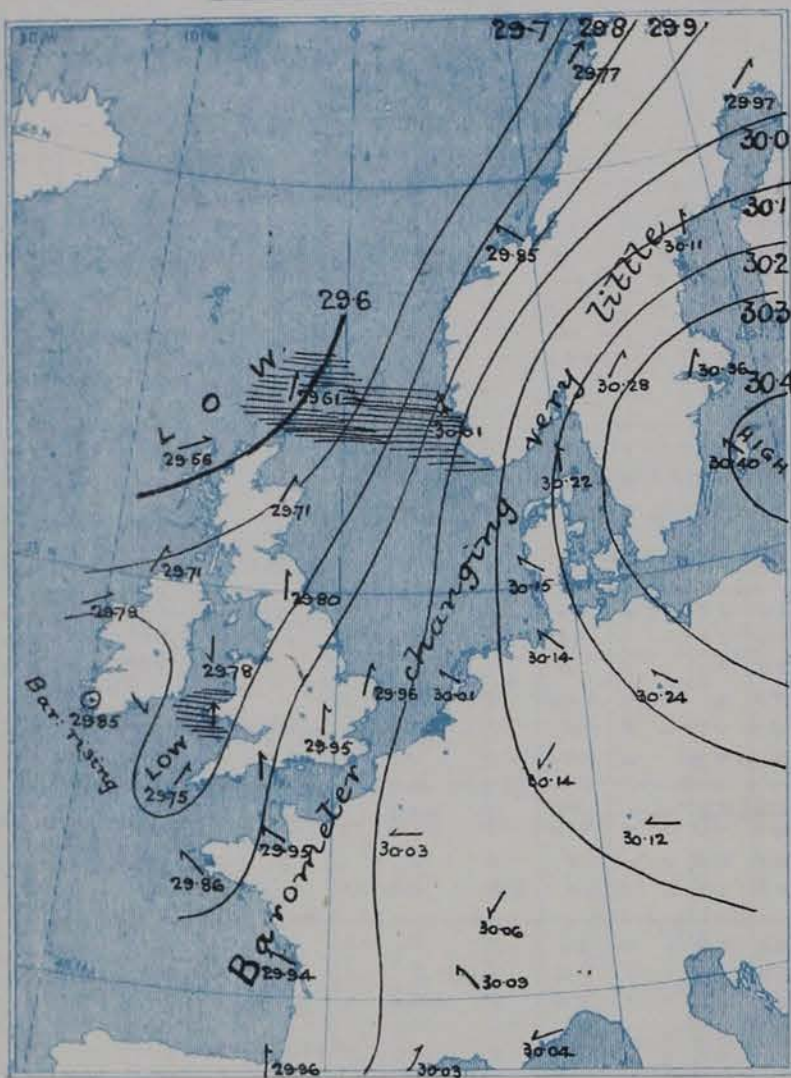
## I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ○  
Force 8 to 10 → Force 1 to 4 →

SEA.—Rough High





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The Barometer is still highest over the Baltic and lowest off the northwest of Scotland, but a secondary disturbance has now advanced from the westward to the mouths of the St. George's and Bristol Channels. The readings range from 30.34 ins. at Wisby to 29.73 ins. at Scilly, and to 29.44 ins. at Stornoway. The mercury is rising again in most localities, but appears to be still falling over the west of France and the southwest of England. Gradients are moderate or slight and whole, but rather steep over Wales and between the Scotch and Norwegian coasts.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is S<sup>W</sup> or SW<sup>2</sup> over the greater part of our area, but E<sup>2</sup> or SE<sup>2</sup> over Germany and in most French districts, while on the south coast of Ireland it is N<sup>2</sup>. It blows freshly or strongly on the Welsh coast and in the Shetlands, and with the force of a gale at Skudenæs and Herøland, but elsewhere it is moderate or light.

Temperature has fallen in Ireland, changed irregularly over Great Britain; it now ranges from 49° at Scilly to 45° on our south coast and at Aberdeen and Lumburgh Head to 41° at most Irish stations, and to 38° at Oxford. Over the continental portion of our area it is generally below 40°, and over Sweden, Germany, and the east of France, differs but little from 32°. The lowest reading is 28°, which is reported both from Paris and Munich.

The sky is cloudy or overcast over our own western and northern districts, and also over Scandinavia and at some German stations; at Donaghadee, Leith and Bodø rain is falling. Over England and France the weather is mostly fine and bright. The sea is rather rough at Scilly and in the far north, moderate to smooth elsewhere.

The maximum temperatures reported over our Islands yesterday were above 50° in most districts, but at night the thermometers fell to within a few degrees of freezing point over central and eastern England generally, and to 30° in London. Bright sunshine was very prevalent at our southern stations, but elsewhere the sky was overcast or very cloudy, and in the extreme northwest and west rain was experienced. Lunar halos were observed at some western stations.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance in the northwest is moving away N.N.E.<sup>W</sup> and will soon cease to affect the weather over our Islands. The secondary system in the S.W. seems likely either to disperse or to move SE<sup>W</sup>. Fine weather will, therefore, probably continue in the eastern districts and the conditions improve gradually in the west and north.

## FORECASTS \*

For the 24 hours ending at NOON on 13<sup>TH</sup> MARCH 1903

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

SW and S<sup>2</sup> winds, moderate or fresh; dull with some rain, then improving.

Wind chiefly S<sup>2</sup> or W<sup>2</sup>, light or moderate; remaining fine generally, but some increase of cloud probable. Cold again tonight.

- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH



S<sup>2</sup> winds, veering later; dull and rainy, then fair.

S<sup>2</sup> to W<sup>2</sup> or variable winds; cloudy or dull, some rain.

Wind becoming W<sup>2</sup> or N.W.<sup>2</sup>; cloudy or dull, with some rain, then improving. Rather cold.

### WARNINGS

At 3.40 pm. yesterday to Dist. 10, and at 7.10 pm. to Dist. 17, and 8, "Hoist South Cone". At 11.10 am. today to Dist. 0, 1, 6, 10 and part of 9, "Lower Cone". The signals are still flying in Dist. 7, 8, and the remainder of 9.

Note.—The South Cone, point downwards (  ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.  
The North Cone, point upwards (  ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page.



TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.						FAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea ... ..	"	"	"	"	"	"	"	"	"	"	8	"	8	47	35	6.6	-
Newton Reigny (Penrith)	29.76	45	S 2	C	29.75	-0.03	42	41	+ 3	SE 3	0	"	8c, 0	48	38	1.5	0.02
Bath ... ..	29.94	47	S 2	8c	29.90	-0.07	41	39	+ 1	SE 1	8	"	-	51	35	1.5	-

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m. ....	52	34	8, c, op, o	1.7	0.03	Eastbourne ... ..	50	34	o, d, 8c	9.0	0.02
Rhyl ... ..	51	33	8	4.0	0.03	Hastings ... ..	50	32	8, o, c	9.6	0.03
Llandudno ... ..	51	33	8	2.0	0.02	Lowestoft, to 6 p.m. ...	49	32	o, d, 8c	7.5	0.02
Aberystwyth, to 6 p.m. ...	50	45	8	3.0	0.02	Harrogate, to 6 p.m. ...	50	33	o, d, 8c, p, 8c	1.7	0.03
Plymouth, to 9 p.m. ....	49	35	op, 8c	0.0	0.02	Manchester, to 9 p.m. ...	46	31	orm, d, cm	1.3	0.10
Worthing ... ..	48	34	8	9.2	0.03	Darwen, to 9 p.m. ...	49	33	c, o, r	0.2	1.37
Brighton ... ..	47	33	8	9.5	0.03	Birmingham, to 9 p.m. ...					

STATIONS. 17. March 1908.	TEMPERATURE, F.		WEATHER.		RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.		RAIN.
	Max. °	Min. °					Max. °	Min. °			
Utrecht ... ..	48	28	bc	f	—	Tunis ... ..	54	41	bc	c	—
Madrid ... ..	52	32	o	o	—	Algiers ... ..	63	50	c	o	—
Vienna ... ..	39	32	o	o	?	Madeira (Funchal) not rec'd					
St. Petersburg ... ..	32	25	m	o	—						
Trieste ... ..	48	37	b	b	—						
Florence ... ..	51	31	b	b	—	10. March 1908.	1 p.m.		1 p.m.		Measured 7 a.m.
Rome ... ..	55	36	b	b	—						
Corsica (I. Sanguinaires) ...	59	43	f	f	—	Lugano ... ..	48	—	b		—
Naples ... ..	53	43	b	o	—	Davos ... ..	32	—	b		—
Palermo ... ..	57	41	o	o	0.16	Lucerne ... ..	41	—	bc		—
Malta ... ..	55	50	?	f	0.04	Lausanne ... ..	41	—	b		—

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	12 Mch. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. ‡ (W.E.T.)	6 p.m. ‡				
Holland ... ..	8 a.m. ( " " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.	Yarmouth ... ..	6.10	12.3	5.48
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich ... ..	6.24	12.10	5.56
France ... ..	7 a.m. (Paris) ... ..	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick ... ..	6.41	12.22	6.3
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.				
Portugal ... ..	8 a.m. (Lisbon) ... ..	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.	Valencia ... ..	7.5	12.51	6.87
Azores { Point Delgada ... ..	6 a.m. (Local) ... ..	7.43 a.m.	9 p.m. (Local)	10.43 p.m.				
{ Horta ... ..	6 a.m. (Local) ... ..	7.55 a.m.	9 p.m. (Local)	10.55 p.m.				

**FORECASTS OF WEATHER** for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

‡ At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on *Saturday, 14<sup>th</sup> March, 1903.*

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)											PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.		
							At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)				Max.	Min.				
																					Ins.	Ins.
At 32° and M.S.L.	Dry Bulb. °	Direc.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather.	Weather.	Max.	Min.	Sun- shine. Hours.	Rainfall. Ins.						
		Ins.	°			Ins.	Ins.	°														
SCANDINAVIA.	Haparanda ...	30.10	30	SW	4	c	30.12	+1.5	28	27	-2	SSW	2	o	*	-	32	28	*	-		
	Hernösand ...	30.19	34	SW	4	b	30.20	+0.9	32	31	0	SW	2	bc	*	-	41	28	*	-		
	Stockholm ...	30.39	30	Z	0	c	30.32	-0.4	32	31	-2	Z	0	b	*	-	39	28	*	-		
	Wisby ...	30.40	31	Z	0	b	30.33	-0.7	30	27	-4	Z	0	b	*	-	41	27	*	-		
	Karlstad ...	30.31	32	Z	0	o	30.30	+0.2	31	30	-3	SW	2	o	*	-	*	*	*	-		
	Færder (X'ania Fjord)	30.23	38	S	5	c	30.20	-0.1	35	33	-2	SSE	5	o	3	-	38	34	*	-		
	Bodö ...	29.85	40	SE	2	o	29.84	+0.7	40	37	+3	S	2	bc	1	-	40	37	*	0.04		
	Christiansund ...	29.78	44	SE	2	c	29.88	+0.3	44	38	+5	WSW	2	o	4	-	46	39	*	-		
	Skudesnaes ...	30.01	40	SSE	8	o	30.01	0.0	39	37	0	SSE	6	7	5	m, o	41	37	*	*		
BRITISH ISLANDS.	Sumburgh Head	29.65	41	SW	5	c	29.86	+2.5	39	38	-2	W	3	bc	6	c	45	36	*	0.01		
	Stornoway ...	29.71	44	W	4	o	30.00	+4.4	38	35	-2	NW	3	o	3	o, r, p	47	34	6.5	0.14		
	Malin Head ...	29.88	42	W	3	bc	30.09	+3.8	42	40	+2	N	1	b	2	c, bc	43	40	*	-		
	Blacksod Pt. ...	29.96	44	NW	4	b	30.14	+3.5	37	36	-5	WNW	1	bm	2	r, p, c, b	47	32	*	0.04		
	Valencia ...	29.99	44	NE	3	bc	30.11	+2.6	40	39	+2	E	2	bc	4	c, p, bc	49	36	5.5	0.07		
	Roche's Point ...	29.94	47	N	3	c	30.06	+2.3	39	38	+1	N	3	b	3	c	51	37	*	0.01		
	Parsonstown ...	29.94	44	N	1	c	30.09	+2.7	30	29	-4	Z	0	b	*	-	49	28	6.5	-		
	Donaghadee ...	29.90	44	N	3	c	30.10	+3.2	43	41	+5	NE	3	c	3	-	49	36	*	0.01		
	Liverpool Obsy. ...	29.90	41	NW	1	r	29.99	+1.6	44	43	+1	ENE	4	r	3	r	51	38	*	0.28		
	Holyhead ...	29.90	42	NE	1	o	30.01	+2.3	42	41	0	ENE	4	rgm	3	c, o	43	40	*	0.13		
GERMANY, &c.	Pembroke (St. Ann's)	29.86	43	NE	5	r	29.92	+1.6	39	38	-8	NE	5	rgg	4	-	48	37	0.0	0.50		
	Scilly (St. Mary's)...	29.85	45	N	5	o	29.95	+2.0	45	42	-5	NNW	5	bc, p	4	r, c	50	41	0.0	0.18		
	Jersey (St. Aubins)...	29.91	52	SSE	2	og	29.95	0.0	46	45	0	SW	2	om	2	b, og	54	44	5.5	-		
	Portland Bill ...	29.89	47	SSE	1	c	29.90	-0.2	45	44	-1	WNW	1	cp	1	b, c	52	44	*	0.02		
	Dungeness ...	29.98	47	Z	0	b	29.92	-0.6	47	46	+1	SSE	2	cg	1	b	52	44	*	-		
	Wick ...	29.76	45	WNW	3	c	29.97	+3.5	34	32	-6	NW	3	b	1	-	50	34	*	-		
	Nairn ...	29.80	40	Z	0	3	30.03	+3.8	37	34	-3	WSW	1	bc	1	-	49	32	*	0.02		
	Aberdeen ...	29.82	44	WSW	2	b	30.08	+3.7	34	32	-8	W	2	bm	2	c, b	46	30	1.0	-		
	Leith ...	29.83	43	WSW	1	bc	30.09	+3.3	38	36	-2	WSW	1	bm	*	-	48	33	*	-		
	North Shields ...	29.88	44	N	1	gd	30.05	+2.5	40	38	-4	N	3	om	2	om, dg	54	37	*	0.01		
FRANCE.	Spurn Head ...	29.86	47	WSW	2	o	29.96	+0.7	42	41	0	NNE	5	o	3	-	52	41	*	-		
	Yarmouth ...	29.95	46	S	4	b	29.94	-0.2	45	43	+2	ESE	4	bcw	3	b	48	40	*	-		
	Loughborough ...	29.92	48	S	1	o	29.92	-0.1	41	39	-1	NE	1	o	*	-	57	39	*	-		
	Oxford ...	29.94	50	SSW	1	b	29.91	-0.4	43	41	-3	Z	0	o	*	bc, b, of	59	39	6.5	-		
	London (Brixton)...	29.94	50	SSW	1	b	29.91	-0.4	43	41	-3	Z	0	o	*	-	59	39	6.5	-		
	The Scaw (Skagen)	30.24	37	S	3	o	30.21	-0.1	36	34	-2	S	3	o	1	-	39	34	*	-		
	Fanø ...	30.16	32	ESE	3	b	30.14	-0.1	32	31	-1	ESE	3	b	*	-	43	30	*	-		
	Cuxhaven ...	30.12	42	SE	3	b	30.12	-0.2	33	31	0	ESE	3	b	*	-	45	32	*	-		
	The Helder ...	30.00	44	SE	1	m	30.00	-0.1	38	38	+3	S	1	f	0	-	52	35	*	-		
	Brussels ...	*	*	*	*	*	30.02	-0.4	43	37	+4	SE	2	c	*	-	56	38	*	-		
SPAN. PEN.	Berlin ...	30.16	36	N	2	o	30.14	-1.0	34	33	+2	SE	1	s	*	-	41	32	*	-		
	Frankfurt ...	30.09	39	E	2	b	30.06	-0.8	32	30	0	E	2	b	*	-	52	30	*	-		
	Munich ...	30.11	33	E	4	b	30.10	-0.2	29	28	+3	SW	2	b	*	-	43	25	*	-		
	C. Gris Nez ...	29.97	48	E	1	b	29.93	-0.2	46	42	+4	ESE	3	c	2	-	57	42	*	-		
	Brest ...	29.87	48	NW	2	o	30.00	+1.4	43	41	-4	NNW	3	c	3	-	52	32	*	0.12		
	Lorient ...	29.89	50	SE	3	bc	29.93	+0.3	47	37	+1	Z	0	o	2	-	57	36	*	-		
	Rochefort ...	29.92	53	WSW	3	c	29.93	-0.1	45	44	+3	ESE	3	c	*	bc, c	63	39	*	-		
	Biarritz ...	29.94	59	N	1	bc	29.95	-0.1	47	46	-6	SSE	1	b	3	-	64	46	*	-		
	Paris ...	29.98	52	ESE	2	bc	29.99	-0.4	39	37	+7	SSE	2	o	*	-	61	32	*	-		
	Belfort ...	30.02	47	E	2	m	30.06	0.0	33	32	+1	Z	0	m	*	-	54	32	*	-		
SPAN. PEN.	Lyons ...	30.04	50	E	1	b	30.09	0.0	37	36	+1	SSE	1	b	*	-	59	36	*	-		
	Nice ...	30.07	45	Z	0	bc	30.12	+0.8	42	37	0	ENE	2	b	2	-	55	39	*	-		
Perpignan ...	29.98	55	SE	2	b	30.01	-0.2	39	39	+2	SW	2	b	*	-	61	37	*	-			
SPAN. PEN.	Corunna ...	29.82	53	NNW	4	o	29.78	-1.1	52	49	+4	NNE	3	o	*	-	61	48	*	0.04		
	Lisbon ...	30.45	55	NNW	3	o	30.42	+0.4	53	49	0	NW	2	o	2	-	59	52	*	-		
	Azores (P. Delgada)																					
	" (Horta) ...																					

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR SATURDAY, 14<sup>TH</sup> MARCH, 1903.

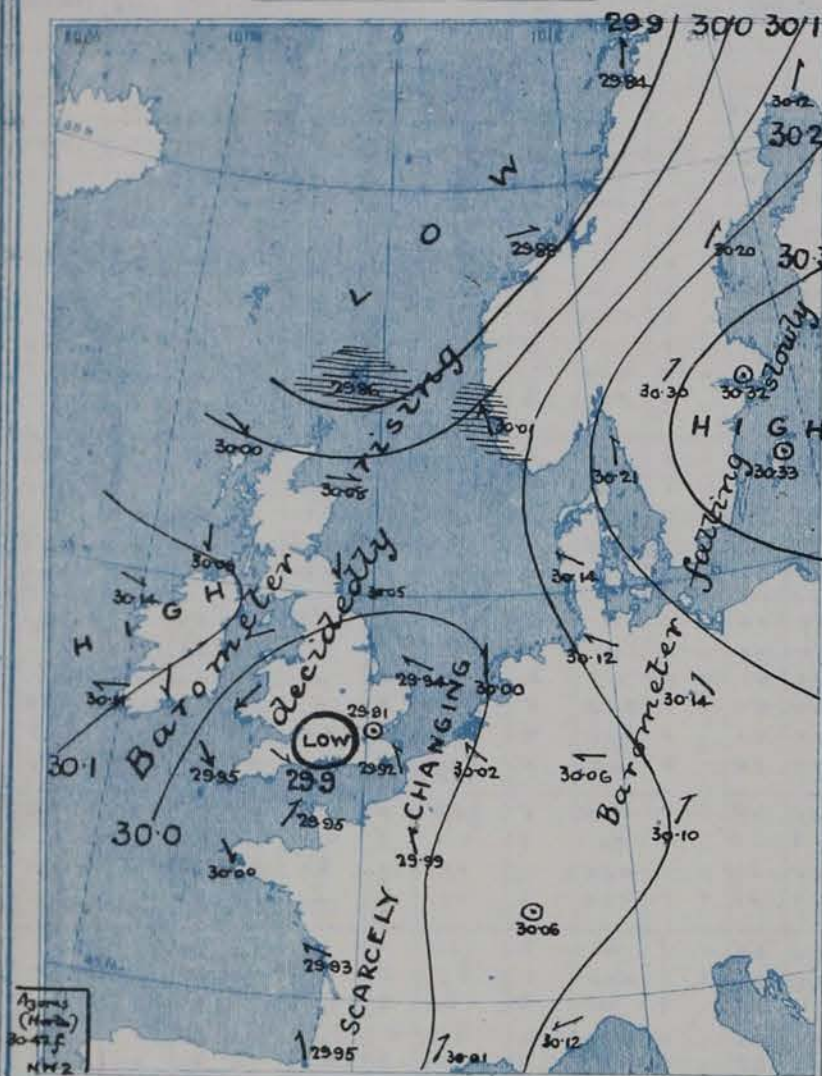
## I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉  
Force 8 to 10 → Force 1 to 4 →

SEA.—Rough High

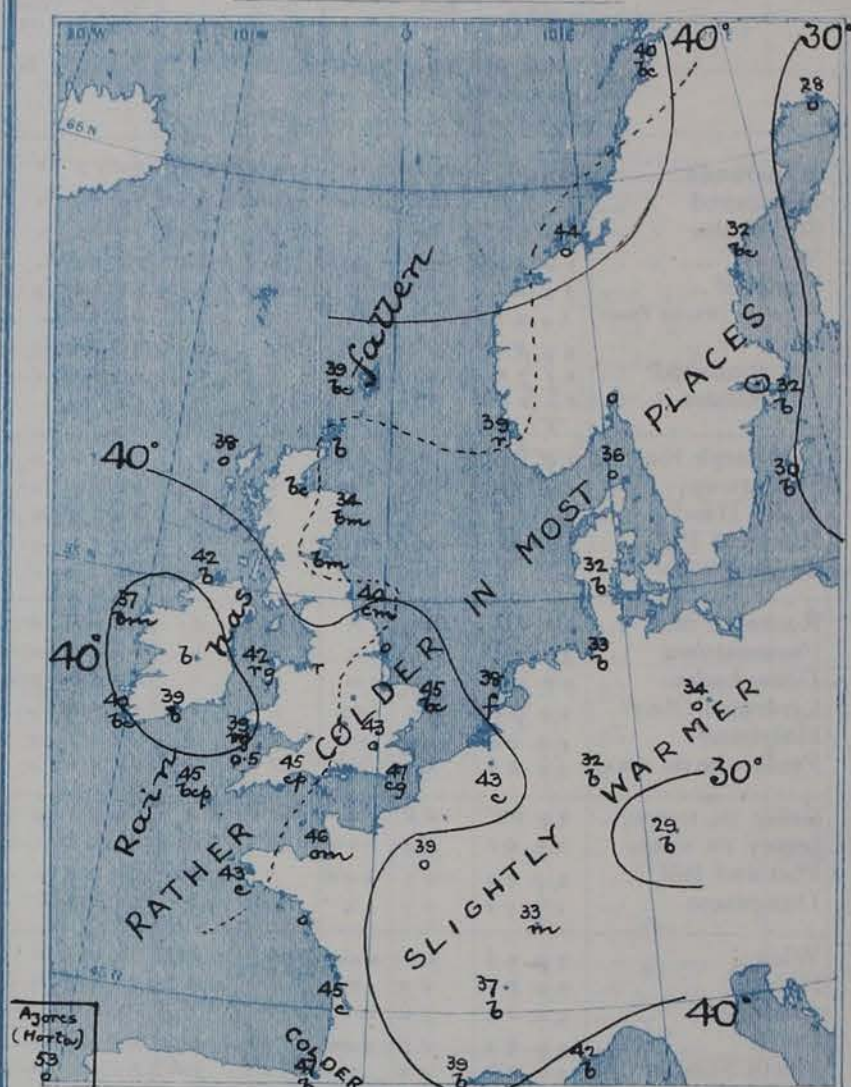


## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus:—0.6



## III. BAROMETER AND WIND

Yesterday morning.



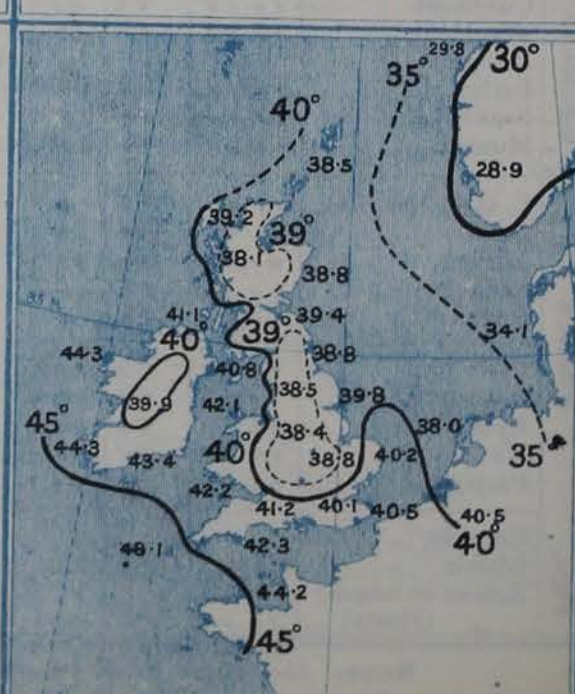
## IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration, for MARCH

Specimen { Average No of Hours daily } 3.4  
(for Stornoway) { Total Possible } 11.6



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period  
MARCH (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The changes in barometric pressure over our Islands and western Europe generally are at present very slight, and the barometer ranges from 30.3 ins. and upwards in an anticyclone over the Baltic and its neighbourhood to below 29.8 ins. in another "V" shaped disturbance which has appeared over the mouths of the St. George's and Bristol Channels, and to 29.6 ins. and less in a larger system off the north of Scotland. Gradients have become moderate to very slight.

### WIND

The wind is S<sup>W</sup> or SW<sup>W</sup> over the major portion of the United Kingdom and Scandinavia, but N<sup>W</sup> at Holyhead and NW<sup>W</sup> at Roches Point. Over France and Germany it is still mainly E<sup>W</sup>. It has very little strength as a whole, but a fresh gale is still reported at Skudesnas.

### TEMPERATURE

Temperature has fallen slightly in the west and north; it is now rather below the mean in Ireland and above it in most parts of Gt. Britain. The readings range from 50° at Scilly and 46° on our south coast to 40° in the north of Scotland, to 38° at most Irish stations, and to 34° at Parsonstown. The continental values are again nearly all below 40°, the lowest being 32° at Paris, Frankfurt, and Berlin, 30° at Haparanda, and 26° at Munich.

### WEATHER

The sky is very cloudy or overcast over the north and west of Gt. Britain and also in most Scandinavian localities, but partially or wholly clear elsewhere. Rain is falling in the east of Scotland and over Wales, and passing showers at Scilly and Blacked Point. The sea is rather rough in the far north, and also at Pembroke, but moderate to smooth on our coasts generally.

### AND

### SEA

During yesterday the temperature rose to 50° or a few degrees above over our southern and eastern districts, the highest reading of all being 55° in London. The night was rather milder than of late over England, and colder over Ireland and Scotland. Rain has fallen at most western and a few northern stations, the largest amounts being 0.33 in. at Donaghadee and 0.38 in. at Leith. Much bright sunshine was registered in the south and 6 hours in the Hebrides. Solar or lunar halos were observed at some of our southern and southwestern stations.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

It appears probable that the disturbance in the southwest will disperse slowly and the weather over England continue fair. Our extreme southwest and west coasts will probably be affected by other cyclonic systems from the Atlantic during the ensuing 24 hours.

## FORECASTS \*

For the 24 hours ending at NOON on 14<sup>th</sup> MARCH 1903

### DISTRICTS.

### FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

S<sup>W</sup> and SW<sup>W</sup> winds, light or moderate; fair generally, but some rain locally.

Varying S<sup>W</sup> winds; remaining fair generally, but becoming more cloudy in south.

### DISTRICTS.

### FORECASTS.

- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH



Same as Nos. 0 to 2.

S<sup>W</sup> to Variable winds; cloudy or dull, some rain.

Light or moderate winds from some W<sup>W</sup> point; cloudy or dull, some rain.

### WARNINGS

At 9.30 am. today to Districts 7, 8 and part of 9, "Lower Cone".

*Note.*—The **South Cone**, point downwards (  ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.  
The **North Cone**, point upwards (  ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page



ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.						PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea ... ..	"	"	"	"	"	"	"	"	"	"	bc	"	bc	48	41	9.0	-
Newton Reigny (Penrith)	29.77	44	sw 3	o	29.75	.00	43	42	+ 1	s 2	c	"	o	46	41	0.0	-
Bath ... ..	29.90	49	s 2	bc	29.90	.00	41	40	o	x o	bc	"	-	52	37	5.0	-

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	50	41	0	0.0	—	Eastbourne ... ..	50	36	3	10.0	—
Rhyl ... ..	50	41	0	0.0	—	Hastings ... ..	50	36	3	9.7	—
Llandudno ... ..	50	41	0	0.0	—	Lowestoft, to 6 p.m. ...	50	36	3	8.5	—
Aberystwyth, to 6 p.m. ...	51	45	0, c	0.3	—	Harrogate, to 6 p.m. ...	49	38	c m	0.5	—
Plymouth, to 9 p.m....	52	45	3 c v	2.3	—	Manchester, to 9 p.m. ...	51	41	3 c, 3 c, 0	1.2	—
Worthing ... ..	50	41	0	7.3	—	Darwen, to 9 p.m. ...	47	37	0 m g, 0 m	0.1	—
Brighton ... ..	50	41	0	7.5	—	Birmingham, to 9 p.m. ...	50	36	c, 0	2.7	—

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS.	TEMPERATURE, F.		WEATHER.		RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.		RAIN.
	Max.	Min.					Max.	Min.			
12. II. 1908.											
Utrecht... ..	50	28	0	6	—	Tunis ... ..	61	45	2	0	—
Madrid ... ..	55	31	0	6	—	Algiers ... ..	61	50	2	2	0.35
Vienna ... ..	43	34	5	5	0.04	Madeira (Funchal) Not Recd					
St. Petersburg ... ..	32	25	0	2	—						
Trieste ... ..	50	39	6	6	—						
Florence ... ..	56	34	6	6	—	11. III. 1908.	1 p.m.		1 p.m.		Measured 7 a.m.
Rome ... ..	56	41	0	2	—						
Corsica (I. Sanguinaires) ...	57	45	2	2	—	Lugano ... ..	50	—	6		—
Naples ... ..	55	43	2	0	0.04	Davos ... ..	34	—	6		—
Palermo ... ..	60	42	0	2	—	Lucerne ... ..	46	—	6		—
Malta ... ..	57	55	2	6	—	Lausanne ... ..	45	—	6		—

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

**WEATHER.**—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

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TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING  
GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Times.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. ‡ (W.E.T.)	6 p.m. ‡
Holland ... ..	8 a.m. ( „ „ )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France ... ..	7 a.m. (Paris) ... ..	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal ... ..	8 a.m. (Lisbon) ... ..	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Point Delgada ... ..	6 a.m. (Local) ... ..	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
{ Horta ... ..	6 a.m. (Local) ... ..	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

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

13 March 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6. 16	12. 3	5. 50
Greenwich ... ..	6. 22	12. 10	5. 58
Wick ... ..	6. 38	12. 22	6. 5
Valencia ... ..	7. 3	12. 51	6. 39

*SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.*

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.  
 " Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office.

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Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m. and between 7 and 8 p.m. The latest forecast

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† The evening observations in Belgium are not given on page 1.      ‡ At Oxford the observations are taken at 8 p.m.

† The evening observations in Belgium are not given on page 1.      ‡ At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on Sunday, 15<sup>th</sup> March,

1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)			At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)				Max.	Min.		
SCANDINAVIA.	Haparanda ...	30.14	27	W	4	30.36	+24	27	26	-1	S	4	0	*	-	32	27	*	-		
	Hernösand ...	30.19	33	S	2	30.23	+03	32	32	0	S	4	S	*	-	37	30	*	-		
	Stockholm ...	30.30	34	S	2	30.29	-03	34	34	+2	SSE	2	3	*	-	39	27	*	-		
	Wisby ...	30.31	34	Z	0	30.29	-04	35	33	+5	S	2	3c	*	-	37	23	*	-		
	Karlstad ...	30.21	34	SE	2	30.19	-11	33	31	+2	SSW	2	0	*	0.3	*	*	*	0.08		
	Færder (X'iania Fjord)	30.16	26	S	4	30.12	-08	26	35	+1	S	4	0	3	-	36	24	*	-		
	Bodö ...	29.97	39	S	2	30.12	+28	37	35	-3	E	1	3	1	-	41	34	*	-		
	Christiansund ...	29.97	39	WSW	2	30.03	+15	36	34	-8	Z	0	3c	3	-	44	36	*	-		
BRITISH ISLANDS.	Skudesnaes ...	30.09	39	SSW	4	30.09	+08	38	34	-1	SE	4	C	3	0.3	39	36	*	-		
	Sumburgh Head ...	30.01	41	WNW	1	29.91	+05	40	37	+1	S	3	3	4	3.0	45	37	*	-		
	Stornoway ...	30.03	44	WSW	3	29.73	-127	38	35	0	S	4	0	4	0	50	35	3.2	-		
	Malin Head ...	30.03	42	E	2	29.64	-45	38	38	-4	SE	4	ogm	3	0.3	48	35	*	-		
	Blacksod Pt. ...	30.00	45	Z	0	29.58	-56	39	37	+2	SSE	4	pm	3	3c, 3	49	33	*	-		
	Valencia ...	29.99	45	NW	2	29.59	-52	42	39	+2	SSE	3	0	4	3c, 3m	48	31	9.5	-		
	Roche's Point ...	29.97	44	N	4	29.69	-37	37	36	-2	S	1	3	0	0.0	48	34	*	-		
	Parsonstown ...	29.98	43	E	1	29.64	-45	37	36	+7	SE	1	og	*	-	47	29	4.7	0.01		
GERMANY, &c.	Donaghadee ...	30.01	45	ENE	3	29.68	-42	43	42	0	SSE	5	0	4	-	49	38	*	0.01		
	Liverpool Obsy. ...	29.92	41	BNE	5	29.70	-29	39	37	-5	ESE	3	3	3	0.7	45	38	*	0.44		
	Holyhead ...	29.93	42	BNE	4	29.66	-35	41	40	-1	SE	2	cm	2	0.7m	43	39	*	0.25		
	Pembroke (St. Ann's)	29.84	44	NE	2	29.70	-32	44	41	+5	WSW	5	og	4	0.7	44	39	0.0	0.23		
	Scilly (St. Mary's)...	29.89	44	WNW	5	29.75	-20	45	42	0	WSW	5	cp	4	0.07	47	41	6.3	0.01		
	Jersey (St. Aubins)...	29.94	47	W	3	29.89	-06	38	36	-8	SW	2	3cm	2	3c, 3	51	34	5.3	-		
	Portland Bill ...	29.89	45	SW	3	29.83	-07	43	41	-2	SW	2	cp	2	0.3c	50	42	*	0.01		
	Dungeness ...	29.91	47	S	1	29.88	-04	45	45	-2	N	1	0	0	0.7	51	43	*	0.10		
FRANCE.	Wick ...	30.03	44	NW	2	29.83	-14	40	38	+6	SSE	4	3	2	-	48	32	*	-		
	Nairn ...	30.04	40	Z	0	29.81	-22	31	30	-6	E	1	3c	1	-	48	26	*	-		
	Aberdeen ...	30.09	39	SE	2	29.87	-21	39	36	+5	SE	4	cv	2	3c, 3	48	31	7.4	-		
	Leith ...	30.06	40	Z	0	29.76	-33	39	38	+1	E	3	7	*	-	50	34	*	0.01		
	North Shields ...	30.06	41	NE	2	29.77	-28	42	41	+2	ESE	3	0	3	3, 7	45	38	*	0.08		
	Spurn Head ...	29.96	41	ENE	6	29.80	-16	42	42	0	S	3	C	3	0.7	45	41	*	0.10		
	Yarmouth ...	29.94	45	ENE	4	29.83	-11	44	43	-1	SE	1	3c	2	3c, 0	47	41	*	0.14		
	Loughborough ...	29.90	43	S	2	29.82	-10	39	37	-2	S	3	3	*	7, 0.3	47	35	*	0.18		
SPAN. PEN.	Oxford ...	29.90	43	S	2	29.82	-10	39	37	-2	S	3	3	*	0m, 7, 3	56	34	0.0	0.01		
	London (Brixton)...	29.91	49	SW	2	29.84	-07	42	40	-1	S	2	3	*	-	56	34	*	-		
	The Scaw (Skagen) ...	30.17	36	S	3	30.15	-06	36	35	0	S	3	C	0	-	39	36	*	-		
	Fanö ...	30.14	32	ESE	2	30.10	-04	33	32	+1	E	2	m	*	-	43	32	*	-		
	Cuxhaven ...	30.11	39	ESE	3	30.04	-08	34	33	+1	ESE	2	C	*	-	41	33	*	-		
	The Helder ...	29.98	42	ENE	1	29.87	-13	42	41	+4	ESE	1	C	1	-	48	37	*	-		
	Brussels ...	*	*	*	*	29.89	-13	44	39	+1	SSE	4	C	*	-	59	41	*	-		
	Berlin ...	30.15	40	SE	2	30.13	-01	33	33	-1	SE	3	0	*	-	41	30	*	-		
GERMANY, &c.	Frankfurt ...	30.01	40	E	2	29.98	-08	34	32	+2	E	2	3	*	-	52	32	*	-		
	Munich ...	30.06	37	SE	3	30.01	-09	30	29	+1	SE	2	3c	*	-	50	27	*	-		
	C. Gris Nez ...	29.89	48	WSW	1	29.88	-05	44	44	-2	SW	2	7	1	-	59	43	*	0.04		
	Brest ...	29.99	47	NW	2	29.87	-13	45	41	+2	WNW	2	0	3	-	50	43	*	-		
	Lorient ...	29.93	52	N	2	29.92	-01	45	43	-2	E	2	0	2	-	57	41	*	-		
	Rochefort ...	29.90	52	N	2	29.86	-07	48	46	+3	SE	2	0	*	3c, 3	61	45	*	-		
	Biarritz ...	29.90	55	NE	3	29.84	-11	51	50	+4	S	1	0	2	-	61	47	*	-		
	Paris ...	29.94	54	SE	1	29.89	-10	37	37	-2	SSE	1	0	*	-	61	36	*	-		
FRANCE.	Belfort ...	29.98	50	NE	4	29.96	-10	35	32	+2	NE	4	m	*	-	60	33	*	-		
	Lyons ...	30.08	45	E	3	29.95	-17	47	39	+5	ENE	6	C	7	-	55	41	*	-		
	Nice ...	29.98	51	SE	2	29.88	-13	48	48	+9	SE	1	7	*	-	63	39	*	0.28		
	Perpignan ...	29.94	53	N	3	29.95	-03	51	48	+1	NE	1	0	5	-	54	45	*	-		
	Corupna ...	29.76	54	NNW	5	29.86	+08	58	51	+3	NNW	6	3	*	-	55	52	*	0.16		
	Lisbon ...	30.35	54	WNW	4	30.30	-04	57	55	+5	WNW	4	0	3	-	59	52	*	-		
	Azores (P. Delgada)	30.37	58	W	4	30.32	-10	59	56	+6	WSW	4	0	2	-	63	53	*	-		
	" (Horta) ...	30.37	58	W	4	30.32	-10	59	56	+6	WSW	4	0	2	-	63	53	*	-		

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR Sunday, 15<sup>th</sup> March, 1903.

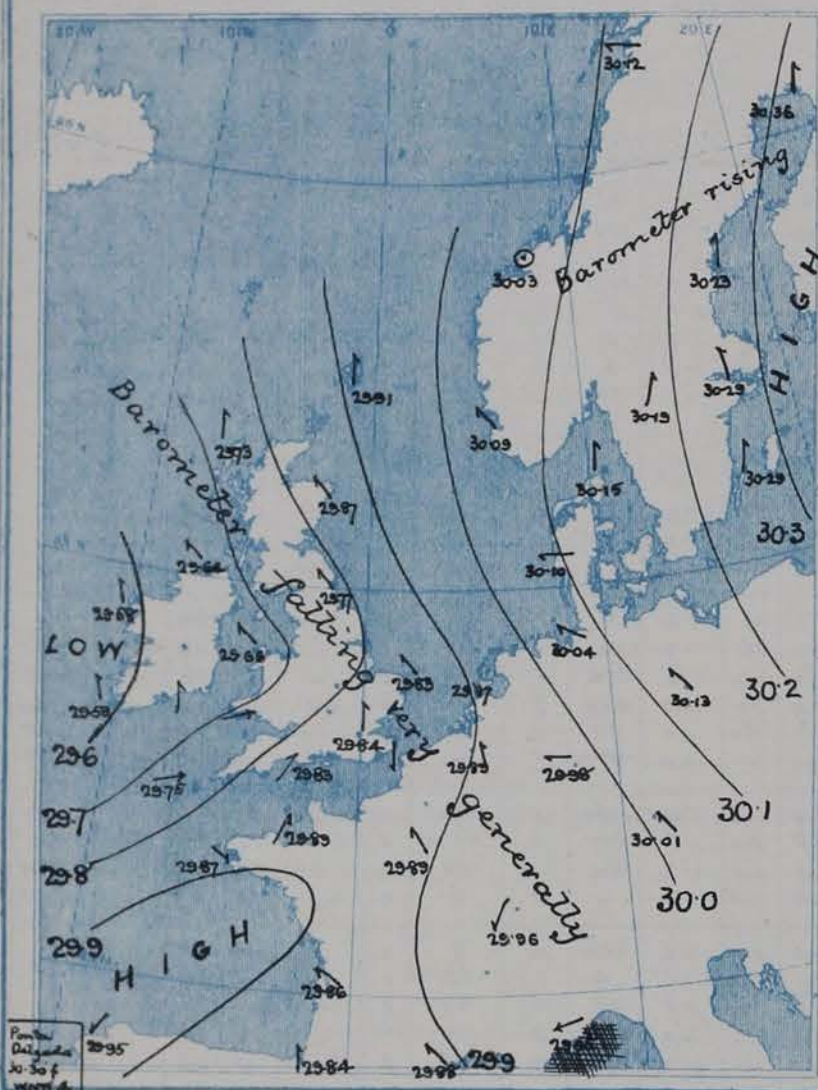
## I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉  
Force 8 to 10 → Force 1 to 4 →

SEA.—Rough High



## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6



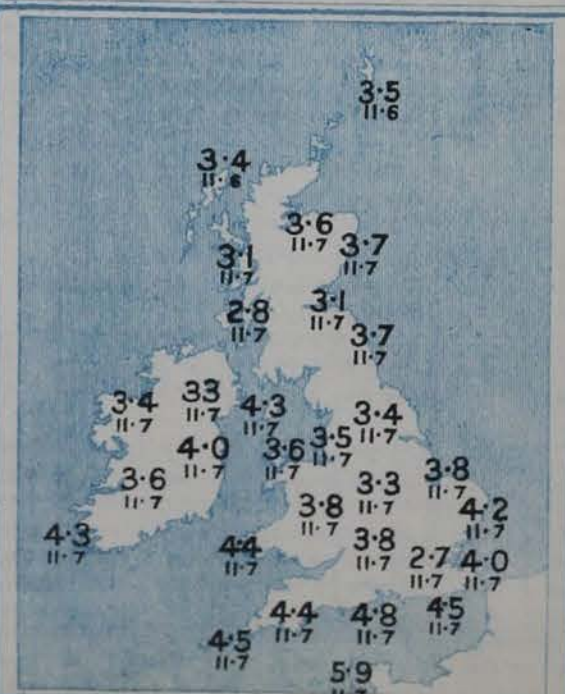
## III. BAROMETER AND WIND

Yesterday morning.



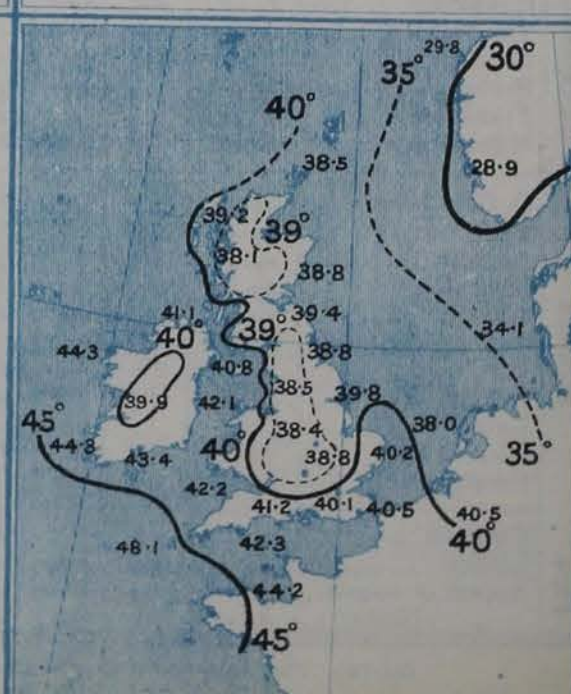
## IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration, for MARCH

Specimen { Average No of Hours daily } 3.4  
(for Stornoway) { Total Possible } 11.6



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period  
MARCH (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Barometric pressure continues highest, 30.3 ins. and upwards, over the Baltic and its neighbourhood, but has now become relatively high, above 30.1 ins., over Ireland and the adjacent portion of the Atlantic. The lowest readings, 29.9 ins. and less, are still found to the northward of Scotland and in the northwest of Norway, but a shallow low pressure area where the barometer is below 30.0 ins. is now shown over England, France, and the Bay of Biscay, its centre being over Hampshire and the adjoining counties. Pressure continues to increase steadily over Ireland and Scotland, but is decreasing somewhat over Germany and Sweden.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind, which is now very light in force, varies greatly in direction; over Scotland it is W<sup>ly</sup>, over Ireland and the west of England chiefly N<sup>ly</sup>, over France, Germany, and Denmark variable or SE<sup>ly</sup>, and over Scandinavia S<sup>ly</sup> to SW<sup>ly</sup>. Over England there is a feeble cyclonic circulation around the baric minimum noted above.

Temperature has fallen in most parts of our Islands and is below the normal except on our south and east coasts. It ranges from 47° at Dingwall and 45° at Yarmouth and Scilly to 34° at Wick and Aberdeen, and to 30° at Parsonstown. On the west coast of France the readings are about 45° or above, but over the Continent generally they are below 40°, the lowest values reported being 29° at Munich and 28° at Haparanda. The sky has become cloudy or overcast over England and the major portion of France, and continues overcast in the west of Norway. Passing showers or steady rain are falling at several stations in the south and west of England and also at Skudesnaes. In other parts of our area the weather is mostly fine and bright; at Berlin, however, snow is reported. The sea is rough in the far north, slight or smooth on our coasts generally.

The maximum temperatures recorded over our Islands yesterday exceeded 50° in many places, and were as high as 57° and 59° respectively at Oxford and in London. Rain was experienced in the western and northern districts — at Pembroke there was as much as 0.5 in. The night was very cold over Ireland and Scotland; at Parsonstown the sheltered thermometer registered 28° and at Aberdeen 30°. Bright sunshine was very prevalent yesterday in most parts of the Kingdom, but very deficient over the west of England. A solar halo was observed at Pembroke and a lunar halo in London.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

It appears probable that the two high pressure areas noted above will gradually become united and that the wind over our more southern districts will shift to E. or N.E. Some slight rain may be expected in various parts of England, but over the Kingdom as a whole the weather is likely to remain fair.

## FORECASTS \*

For the 24 hours ending at NOON on 15<sup>TH</sup> MARCH. 1903

### DISTRICTS.

### FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

Wind chiefly W<sup>ly</sup>, light or moderate; fair generally and rather cold.

Light and Variable or E<sup>ly</sup> winds; cloudy or drizzle, slight rain locally. Much cooler than of late.

### DISTRICTS.

### FORECASTS.

- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH

Light N<sup>ly</sup> winds; fair generally, rather cold.

Light or moderate winds between N.W. and N.E.; continuing fine in Ireland and improving in English Districts. Temperature low.

### WARNINGS

None issued.

Note.—The South Cone, point downwards (  $\nabla$  ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (  $\nabla$  ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page.



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	c	*	z	49	44	9.3	-
Newton Reigny (Penrith)	29.86	38	Z 0	0	30.02	+ .27	35	34	- 8	S 1	c	*	op, c	45	33	0.0	0.06
Bath ... ..	29.88	51	E 1	0	29.89	- .01	43	42	+ 2	NE 1	0	*	-	55	41	3.5	0.09

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	49	41	o, o, r, o	0.0	0.11	Eastbourne ... ..	*	*	*	8.7	*
Rhyl ... ..	*	*	*	0.0	*	Hastings ... ..	*	*	*	8.3	*
Llandudno ... ..	*	*	*	0.0	*	Lowestoft, to 6 p.m. ...	50	39	z, z, c	7.2	-
Aberystwyth, to 6 p.m. ...	51	46	c	0.0	0.22	Harrogate, to 6 p.m. ...	53	41	c, z, o	4.0	0.05
Plymouth, to 9 p.m....	51	43	op, zc, p	0.3	0.10	Manchester, to 9 p.m. ...	50	41	z, c, r, o	1.1	0.27
Worthing ... ..	*	*	*	6.7	*	Darwen, to 9 p.m. ...	47	37	r	0.7	0.33
Brighton ... ..	*	*	*	7.8	*	Birmingham, to 9 p.m. ...	51	37	o	0.9	-

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 13. March 1908.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
Utrecht ... ..	52	30	b c	Ins.	Tunis ... ..	64	46	f. f.	Ins.
Madrid ... ..	61	32	c b	-	Algiers ... ..	63	50	c b	-
Vienna ... ..	41	33	o s	0.35	Madeira (Funchal) ...	63	48	z o	0.47
St. Petersburg ... ..	32	21	o b	-	12 March 1908.				Measured 7 a.m.
Trieste ... ..	50	39	b b	-	Lugano ... ..	52	-	b	-
Florence ... ..	55	34	b b	-	Davos ... ..	34	-	b	-
Rome ... ..	51	41	o c	0.08	Lucerne ... ..	50	-	b	-
Corsica (I. Sanguinaires) ...	59	45	m m	-	Lausanne ... ..	48	-	b	-
Naples ... ..	54	45	o b	0.12					
Palermo ... ..	66	40	r c	0.51					
Malta ... ..	60	53	? o	-					

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.† (W.E.T.)	6 p.m.†
Holland ... ..	8 a.m. ( " " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France ... ..	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
{ Horta ... ..	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

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

14. III., 1908.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6.14	12.3	5.52
Greenwich ... ..	6.19	12.10	5.59
Wick ... ..	6.35	12.22	6.8
Valencia ... ..	7.0	12.57	6.41

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.  
" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on *Monday, 16<sup>th</sup> March, 1903.*

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.					
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.		
				At 32° and M.S.L.	Dry Bulb.		Direc.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.				Direc.	Force (0 to 12.)			Max.	Min.
SCANDINAVIA.	Haparanda ...	30.50	28	SE	4	0	30.57	+ .21	27	27	0	SSE	4	0	-	30	25	*	-			
	Hernösand ...	30.39	34	S	4	S	30.41	+ .18	32	32	0	Z	0	f	-	36	32	*	0.08			
	Stockholm ...	30.34	36	Z	0	0	30.36	+ .07	36	34	+ 2	S	2	0	-	39	32	*	-			
	Wisby ...	30.34	36	Z	0	0	30.28	- .01	35	33	0	Z	0	0	-	39	28	*	-			
	Karlstad ...	30.26	34	Z	0	0	30.28	+ .09	34	32	+ 1	SSE	2	0	0, S	*	*	*	0.04			
	Færder (X'ania Fjord) ...	30.15	36	SE	3	0	30.16	+ .04	35	33	- 1	ESE	4	0	2	37	34	*	-			
	Bodö ...	30.13	35	E	7	0	30.14	+ .02	36	32	- 1	E	4	0	1	39	35	*	-			
	Christiansund ...	30.01	35	ESE	2	0	29.94	- .09	36	30	0	ESE	2	0	3	41	32	*	-			
	Skudesnaes ...	29.99	39	SE	6	0	29.85	- .24	40	38	+ 2	ESE	8	0	4	41	37	*	-			
	Sumburgh Head ...	29.71	41	SE	4	0	29.49	- .42	43	42	+ 3	SE	5	7	6	43	38	*	0.10			
BRITISH ISLANDS.	Stornoway ...	29.53	42	SE	4	0	29.34	- .39	41	39	+ 3	ESE	4	0	4	45	36	4.9	-			
	Malin Head ...	29.40	42	S	4	0	29.23	- .41	39	39	+ 1	SSW	4	0	3	45	38	*	0.02			
	Blacksod Pt. ...	29.32	44	SE	4	0	29.47	- .11	42	37	+ 3	WNW	6	0	5	45	38	*	0.46			
	Valencia ...	29.32	45	W	3	0	29.66	+ .07	40	38	- 2	WSW	6	0	6	47	38	0.0	0.87			
	Roche's Point ...	29.35	45	SW	4	0	29.64	- .05	40	39	+ 3	W	3	0	3	47	36	*	0.15			
	Parsonstown ...	29.34	43	SE	6	0	29.51	- .13	39	35	+ 2	SW	4	0	4	49	36	2.7	0.19			
	Donaghadee ...	29.52	44	SW	2	0	29.28	- .40	42	41	- 1	SE	3	0	4	46	40	*	0.12			
	Liverpool Obsy. ...	29.64	42	SW	1	0	29.39	- .31	40	38	+ 1	SW	4	0	3	46	38	*	0.03			
	Holyhead ...	29.58	45	S	3	0	29.35	- .31	41	40	0	W	8	0	6	45	39	*	0.08			
	Pembroke (St. Ann's) ...	29.57	45	S	6	0	29.60	- .10	44	40	0	W	7	0	5	46	39	3.0	0.14			
GERMANY, &c.	Scilly (St. Mary's) ...	29.53	46	S	7	0	29.70	- .05	45	42	0	WNW	6	0	5	51	41	6.1	0.20			
	Jersey (St. Aubins) ...	29.80	46	S	3	0	29.79	- .10	44	41	+ 6	W	4	0	3	52	38	7.8	0.02			
	Portland Bill ...	29.76	45	SW	3	0	29.70	- .13	44	42	+ 1	W	4	0	4	49	42	*	0.03			
	Dungeness ...	29.81	45	WSW	3	0	29.71	- .17	45	44	0	WSW	3	0	1	46	43	*	0.02			
	Wick ...	29.56	42	SSE	6	0	29.40	- .43	40	38	0	SSE	4	0	3	48	39	*	-			
	Nairn ...	29.54	41	E	1	0	29.39	- .42	36	35	+ 5	E	1	0	1	45	31	*	-			
	Aberdeen ...	29.61	42	SE	4	0	29.46	- .41	42	41	+ 3	SE	5	0	3	42	38	0.7	0.02			
	Leith ...	29.56	45	SE	1	0	29.38	- .38	40	38	+ 1	ESE	2	0	*	46	36	*	0.01			
	North Shields ...	29.61	45	S	3	0	29.44	- .33	41	39	- 1	SE	3	0	3	48	38	*	0.01			
	Spurn Head ...	29.69	45	SW	3	0	29.54	- .26	42	41	0	SSW	6	0	4	51	38	*	-			
FRANCE.	Yarmouth ...	29.76	45	SSE	3	0	29.65	- .18	44	42	0	S	4	0	3	45	37	*	0.04			
	Loughborough ...	29.73	41	W	3	0	29.64	- .18	42	40	+ 3	SW	3	0	4	49	38	*	-			
	Oxford ...	29.76	46	S	3	0	29.67	- .17	44	41	+ 2	SW	4	0	4	54	39	4.2	-			
	London (Brixton) ...	29.76	46	S	3	0	29.67	- .17	44	41	+ 2	SW	4	0	4	54	39	4.2	-			
	The Scaw (Skagen) ...	30.11	36	S	3	0	30.08	- .07	37	35	+ 1	SSE	4	0	1	39	36	*	-			
	Fanö ...	29.95	34	E	4	0	29.91	- .19	35	34	+ 2	E	6	0	*	39	32	*	-			
	Cuxhaven ...	29.95	39	SE	3	0	29.86	- .18	35	34	+ 1	SE	5	0	*	39	34	*	-			
	The Helder ...	29.78	44	W	1	0	29.70	- .17	44	44	+ 2	SW	1	0	0	52	42	*	-			
	Brussels ...	*	*	*	*	*	29.77	- .12	44	43	0	SW	1	0	*	58	43	*	-			
	Berlin ...	30.05	37	ESE	4	0	29.97	- .16	36	35	+ 3	E	2	0	*	45	32	*	-			
SPAN. PEN.	Frankfurt ...	29.80	45	E	2	0	29.81	- .17	41	37	+ 7	E	2	0	*	55	34	*	-			
	Munich ...	29.87	38	SE	3	0	29.85	- .16	31	31	+ 1	Z	0	0	*	50	28	*	-			
	C. Gris Nez ...	29.84	43	WSW	2	0	29.73	- .15	42	41	- 2	SSW	4	0	3	55	39	*	0.12			
	Brest ...	29.76	47	SSW	4	0	29.82	- .05	45	42	0	NW	4	0	4	50	43	*	0.04			
	Lorient ...	29.71	53	W	2	0	29.83	- .09	47	46	+ 2	W	4	0	3	57	41	*	-			
	Rochefort ...	29.84	51	NNW	3	0	29.84	- .02	48	47	0	W	4	0	3	61	43	*	0.08			
	Biarritz ...	29.88	54	W	3	0	29.95	+ .11	49	48	- 2	S	3	0	2	55	48	*	-			
	Paris ...	29.81	50	ENE	1	0	29.81	- .08	44	44	+ 7	SSW	1	0	*	57	37	*	0.08			
	Belfort ...	29.82	50	NE	3	0	29.83	- .13	42	40	+ 7	WSW	3	0	*	57	35	*	-			
	Lyons ...	29.91	46	W	1	0	29.89	- .16	42	42	0	SE	1	0	*	55	41	*	0.08			
Nice ...	29.88	44	E	6	0	29.79	- .16	49	44	+ 2	Z	0	0	6	52	41	*	0.79				
Perpignan ...	29.83	45	NW	2	0	29.87	- .01	49	46	+ 1	N	2	0	*	55	45	*	1.77				
SPAN. PEN.	Corunna ...																	*				
	Lisbon ...																	*				
SPAN. PEN.	Azores (P. Delgada) ...	30.33	58	WNW	5	0	30.29	- .01	57	56	0	WNW	4	0	4	61	57	*	0.08			
	„ (Horta) ...	30.33	59	W	4	0	30.27	- .05	58	55	- 1	SW	4	0	2	63	57	*	-			

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR Monday, 16<sup>th</sup> March, 1903.

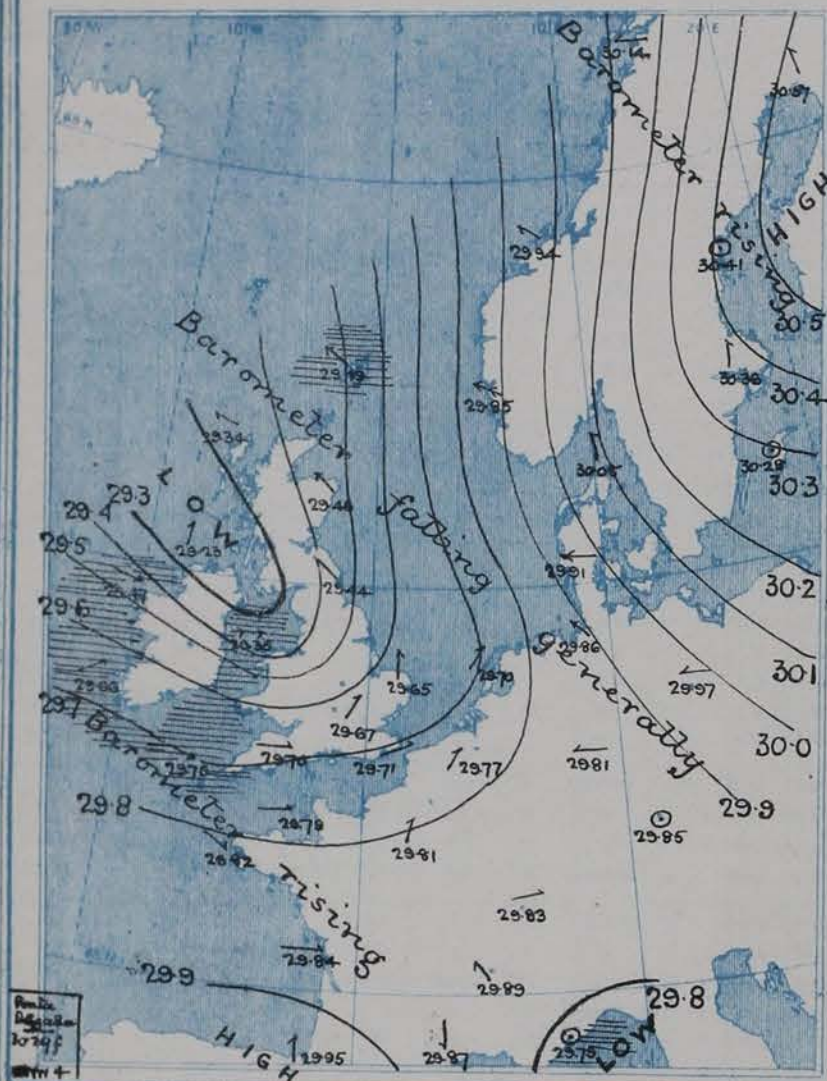
## I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉  
Force 8 to 10 → Force 1 to 4 →

SEA.—Rough High



## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus: 0.66



## III. BAROMETER AND WIND

Yesterday morning.



## IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration, for MARCH

Specimen { Average No of Hours daily } 3.4  
(for Stornoway) { Total Possible } 11.6



## V. Means of DAILY TEMPERATURE at 8 A.M. for the monthly period MARCH (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The barometer is now highest, 30.3 ins. and upwards, over Lapland, and lowest, 29.6 ins. and less, in a cyclonic system which is approaching the west of Ireland. Under the influence of this disturbance, the barometer is falling quickly in Ireland, and to a less extent in all other parts of western Europe, but is rising in the north of Scandinavia. Gradients are at present slight generally.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is light to moderate from the SE<sup>W</sup> or S<sup>W</sup> over western Europe generally, but is SW<sup>d</sup> over the English and Bristol Channels. Temperature has changed very irregularly. Over the United Kingdom, the thermometer differs but little from the average, the readings being below 40° at many of our western, northern, and central stations; at Nairn the thermometer is as low as 31°. In Sweden, Denmark and Germany, the readings are also below 35°, the lowest reported being 27° at Haparanda, 30° at Munich and 32° at Hernosand. The weather is fine over the eastern and central parts of England, and also in the north of Scotland and the west of Norway. Elsewhere the sky is cloudy or dull, with rain at Leith and Perpignan, and snow at Hernosand and Stockholm. The sea is moderate on our west and north coasts, slight or smooth in most other places, but high at Nice and rather rough at Genoa.

During yesterday the thermometer rose to between 45° and 50° in most parts of the United Kingdom, to 51° at Jersey and Bungeness, and to 56° in London. Scarcely any bright sunshine was recorded at the English stations (excepting at Scilly and Jersey) but in Ireland and Scotland, the weather was much brighter, the duration of sunshine at Valencia being as much as 9.5 hours. Rain fell in most parts of England and the south of Ireland, and thunder and lightning occurred in some parts of our eastern and midland counties.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS \*

For the 24 hours ending at NOON on 16<sup>TH</sup> MARCH.

1903

### DISTRICTS.

### FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

NONE ISSUED

### DISTRICTS.

### FORECASTS.

- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH

NONE ISSUED

### WARNINGS

at 9.40 a.m. today to districts 0, 1, 6, 9 and 10.  
Hoist South Cone.

*Note.*—The South Cone, point downwards ( ⌵ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.  
The North Cone, point upwards ( ⌴ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.						THIS MORNING 8 A.M.						PAST 24 HOURS.					
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.	
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.			
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	0	*	c, r	47	40	2.5	0.14	
Newton Reigny (Penrith)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Bath ... ..	29.84	43	S 1	0	29.78	- .11	43	41	0	S 2	6	*	—	52	37	1.7	—	

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	47	39	od, or	0.3	0.08	Eastbourne ... ..	*	*	*	*	*
Rhyl ... ..	*	*	*	*	*	Hastings ... ..	*	*	*	3.8	*
Llandudno ... ..	*	*	*	0.0	*	Lowestoft, to 6 p.m. <i>Not recd</i>	*	*	*	*	*
Aberystwyth, to 6 p.m. ...	50	45	0	0.0	0.28	Harrogate, to 6 p.m. ...	47	37	7.0	0.0	0.47
Plymouth, to 9 p.m....	46	40	bc, p	1.5	0.07	Manchester, to 9 p.m. ...	45	38	7.0, 9	0.0	0.25
Worthing ... ..	*	*	*	0.0	*	Darwen, to 9 p.m. ...	42	35	om, 7, 09	0.0	0.17
Brighton ... ..	*	*	*	*	*	Birmingham, to 9 p.m. <i>Not recd</i>	*	*	*	*	*

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 14. Mch. 1903.	TEMPERATURE F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
Utrecht ... ..	54	30	c 0	Ins.	Tunis ... ..	64	46	0 0	Ins.
Madrid ... ..	60	63	c 0	—	Algiers ... ..	63	45	c 0	—
Vienna ... ..	36	34	f 2	?	Madeira (Funchal) <i>Not recd</i>	*	*	*	*
St. Petersburg ... ..	37	21	f 6	—	13. III. 1903.				
Trieste ... ..	54	39	f 6	—					
Florence ... ..	56	33	f 6	—	1 p.m.		1 p.m.		Measured 7 a.m.
Rome ... ..	59	39	f 6	—	Lugano ... ..	52	—	f 6	—
Corsica (I. Sanguinaires) ...	59	39	f 6	—	Davos ... ..	34	—	f 6	—
Naples ... ..	55	46	0 6	—	Lucerne ... ..	50	—	bc 6	—
Palermo ... ..	62	45	0 0	?	Lausanne ... ..	48	—	f 6	—
Malta ... ..	61	52	? bc	—					

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.† (W.E.T.)	6 p.m.†
Holland ... ..	8 a.m. ( " " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France ... ..	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
{ Horta ... ..	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

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

15. Mch. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6.11	12.2	5.54
Greenwich ... ..	6.17	12.9	6.2
Wick ... ..	6.32	12.21	6.11
Valencia ... ..	6.58	12.50	6.43

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.

" Weekly " " " £1 10 0 " " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on *Tuesday, 17<sup>th</sup> March, 1903.*

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. — Hours.	Rainfall. — Ins.	
		At 82° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 82° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)				Max.	Min.			
																					Ins.
SCANDINAVIA.	Haparanda ...	30.59	30	SSE	2	0	30.61	+0.04	23	22	-4	S	2	C	*	-	34	23	*	-	
	Hernösand ...	30.46	32	X	0	0	30.44	+0.03	31	30	-1	S	4	0	*	-	36	31	*	-	
	Stockholm ...	30.37	34	S	2	0	30.36	0.00	33	32	-3	SE	2	C	*	-	41	32	*	-	
	Wisby ...	30.32	36	X	0	0	30.29	+0.01	32	31	-3	SSE	2	0	*	-	39	28	*	-	
	Karlstad ...	30.26	34	E	2	0	30.23	-0.05	34	33	0	S	2	0	*	-	*	*	*	-	
	Færder (X'iania Fjord) ...	30.12	37	E	4	0	30.13	-0.03	36	33	+1	SE	5	0	3	-	37	34	*	-	
	Bodö ...	30.16	39	E	4	0	30.13	-0.01	36	31	0	E	5	0	2	-	39	34	*	-	
	Christiansund ...	29.88	41	S	5	0	29.79	-0.15	42	35	+6	S	4	0	4	-	45	36	*	-	
BRITISH ISLANDS.	Skudesnaes ...	29.84	41	SE	9	0	29.85	0.00	39	37	-1	SE	8	0	5	C, 0	43	39	*	-	
	Sumburgh Head ...	29.44	43	SE	5	0	29.18	-0.31	40	40	-3	S	7	7	7	0	44	37	*	0.16	
	Stornoway ...	29.30	44	S	4	0	29.02	-0.32	40	38	-1	SW	6	0	6	0	47	37	0.5	0.14	
	Malin Head ...	29.42	42	SW	6	C	29.17	-0.06	41	41	+2	SW	6	7	5	7, 0	44	39	*	0.56	
	Blacksod Pt. ...	29.34	44	SSW	7	7, 7m	29.24	-0.23	43	38	+1	WSW	6	0	5	C, 7, 7m	48	41	*	0.63	
	Valencia ...	29.50	46	S	5	7, 7m	29.39	-0.27	43	41	+3	WNW	1	0	5	C, 7, 7m	50	39	3.9	0.54	
	Roche's Point ...	29.65	47	SW	5	7	29.35	-0.29	50	50	+10	SW	3	7	4	C, 7, 7	50	39	*	0.52	
	Parsonstown ...	29.56	46	SSE	4	0	29.35	-0.16	41	40	+2	SW	2	0	7	7, 0	48	39	6.2	0.19	
GERMANY, &c.	Donaghadee ...	29.54	45	WSW	3	C	29.25	-0.03	46	46	+8	SSW	7	7	6	-	47	39	*	0.06	
	Liverpool Obsy. ...	29.70	42	WSW	3	0	29.48	+0.09	44	42	+4	SSE	4	0	4	7, 7	47	40	*	0.01	
	Holyhead ...	29.66	45	SW	6	C, 7m	29.38	+0.03	45	45	+4	S	8	7	6	7, 7, 7m	47	40	*	0.23	
	Pembroke (St. Ann's) ...	29.76	45	SW	6	C	29.46	-0.14	47	47	+3	S	7	7	6	C, 7, 7	47	44	8.3	0.22	
	Scilly (St. Mary's) ...	29.82	48	SW	5	C	29.55	-0.15	47	46	+2	SW	6	7	5	7, 7, 7	50	42	9.0	0.15	
	Jersey (St. Aubins) ...	29.96	46	W	4	0	29.91	+0.12	46	44	+2	SSE	5	7	4	7, 7, 7	51	42	7.5	0.05	
	Portland Bill ...	29.88	46	W	4	0	29.78	+0.08	46	45	+2	SSW	5	7	5	7, 7	49	43	*	0.01	
	Dungeness ...	29.85	46	W	5	0	29.95	+0.24	45	44	0	SSW	6	7	4	7	50	40	*	-	
FRANCE.	Wick ...	29.29	41	SE	6	0	29.14	-0.26	43	42	+3	SE	6	7	4	-	45	38	*	0.10	
	Nairn ...	29.30	41	S	1	C	29.14	-0.25	42	41	+6	SW	2	0	1	-	47	36	*	0.01	
	Aberdeen ...	29.36	38	SW	3	0	29.28	-0.18	42	41	0	SSE	6	7	5	7, 7, 7	43	36	0.0	0.42	
	Leith ...	29.42	42	SW	3	7	29.23	-0.15	48	44	+8	SSW	4	7	3	-	48	38	*	0.09	
	North Shields ...	29.56	43	SW	3	0	29.48	+0.04	43	41	+2	SSW	4	0	3	C, 0	48	38	*	-	
	Spurn Head ...	29.71	43	WSW	4	C	29.69	+0.15	42	41	0	S	6	7	4	-	48	37	*	-	
	Yarmouth ...	29.75	47	WSW	4	0	29.87	+0.22	44	41	0	SSW	5	C	4	C, 7, 7	51	35	*	-	
	Loughborough ...	29.77	40	SW	1	0	29.77	+0.13	45	43	+3	S	3	0	*	-	49	37	*	-	
SPAN. PEN.	Oxford ...	29.88	40	SW	1	0	29.77	+0.13	45	43	+3	S	3	0	*	7, 7, 7	51	37	4.4	-	
	London (Brixton) ...	29.84	46	WSW	4	0	29.85	+0.18	45	42	+1	SSW	5	0	*	-	-	-	-	-	
	The Scaw (Skagen) ...	30.04	38	SE	5	0	30.07	-0.01	37	36	0	SSE	4	0	1	-	41	36	*	-	
	Fanö ...	29.87	39	ESE	5	0	30.01	+0.10	39	38	+4	SE	1	0	*	-	43	35	*	0.04	
	Cuxhaven ...	29.83	44	SE	3	0	30.02	+0.16	35	35	0	SW	1	7	*	7, 7	46	34	*	0.08	
	The Helder ...	29.80	43	SW	1	0	29.97	+0.27	37	37	-7	SSW	1	7	1	-	48	34	*	-	
	Brussels ...	*	*	*	*	*	30.09	+0.32	37	37	-7	S	1	7	*	-	51	32	*	-	
	Berlin ...	29.93	42	E	2	0	30.02	+0.05	37	36	+1	SE	1	7	*	-	43	36	*	-	
SPAN. PEN.	Frankfurt ...	29.88	45	SE	2	0	30.04	+0.23	44	42	+3	SW	2	0	*	-	48	41	*	-	
	Munich ...	29.89	43	Z	0	0	30.05	+0.20	40	40	+9	W	3	7	*	-	50	31	*	-	
	C. Gris Nez ...	29.86	45	WSW	4	0	29.99	+0.26	41	40	-1	SSW	4	7	3	-	48	39	*	-	
	Brest ...	29.97	48	W	3	C	29.79	-0.03	48	48	+3	S	4	7	5	-	50	45	*	0.08	
	Lorient ...	30.05	46	W	2	0	29.94	+0.11	48	48	+1	S	4	7	4	-	57	43	*	0.04	
	Rochefort ...	30.05	49	WNW	4	0	30.11	+0.27	45	45	-3	S	4	7	3	7, 7	54	43	*	-	
	Biarritz ...	30.16	52	NW	4	0	30.20	+0.25	44	43	-5	SSE	2	7	3	-	52	41	*	0.16	
	Paris ...	29.95	44	E	1	0	30.13	+0.32	32	32	-12	S	2	7	*	-	53	31	*	0.04	
SPAN. PEN.	Belfort ...	29.88	44	WSW	4	7	30.08	+0.25	39	38	-3	W	5	0	*	-	50	39	*	0.12	
	Lyons ...	29.97	45	E	1	0	30.15	+0.26	38	35	-4	N	3	7	7	-	50	37	*	0.24	
	Nice ...	29.83	47	SSE	1	0	29.83	+0.04	47	45	-2	Z	0	7	7	-	54	45	*	0.04	
SPAN. PEN.	Perpignan ...	29.99	52	NW	4	0	30.12	+0.25	46	41	-3	NW	4	7	*	-	60	44	*	-	
	Corunna ...																				
	Lisbon ...																				
SPAN. PEN.	Azores (P. Delgada) ...	30.24	59	SW	5	0	30.13	-0.16	60	55	+3	SW	7	0	6	-	63	57	*	-	
	" (Horta) ...	30.13	60	SW	5	0	30.01	-0.26	61	58	+3	SW	7	0	4	-	63	58	*	-	

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR TUESDAY, 17<sup>TH</sup> MARCH, 1903.

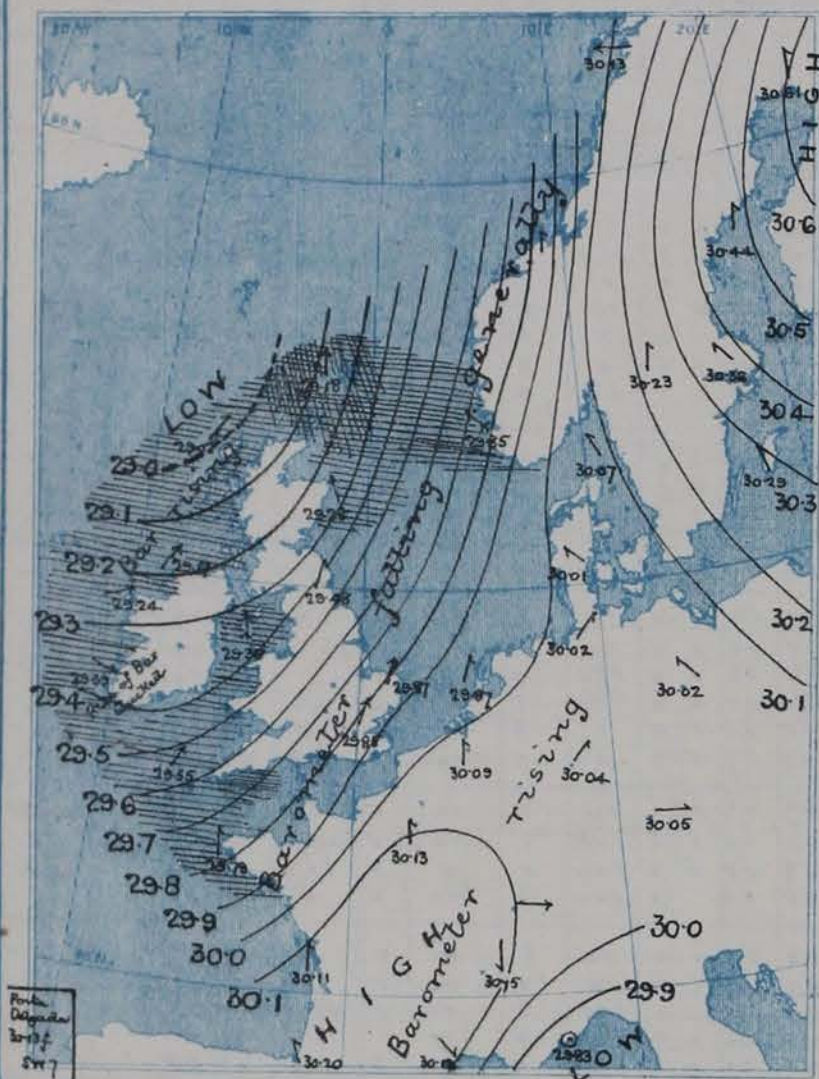
## I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉  
Force 8 to 10 → Force 1 to 4 →

SEA.—Rough High

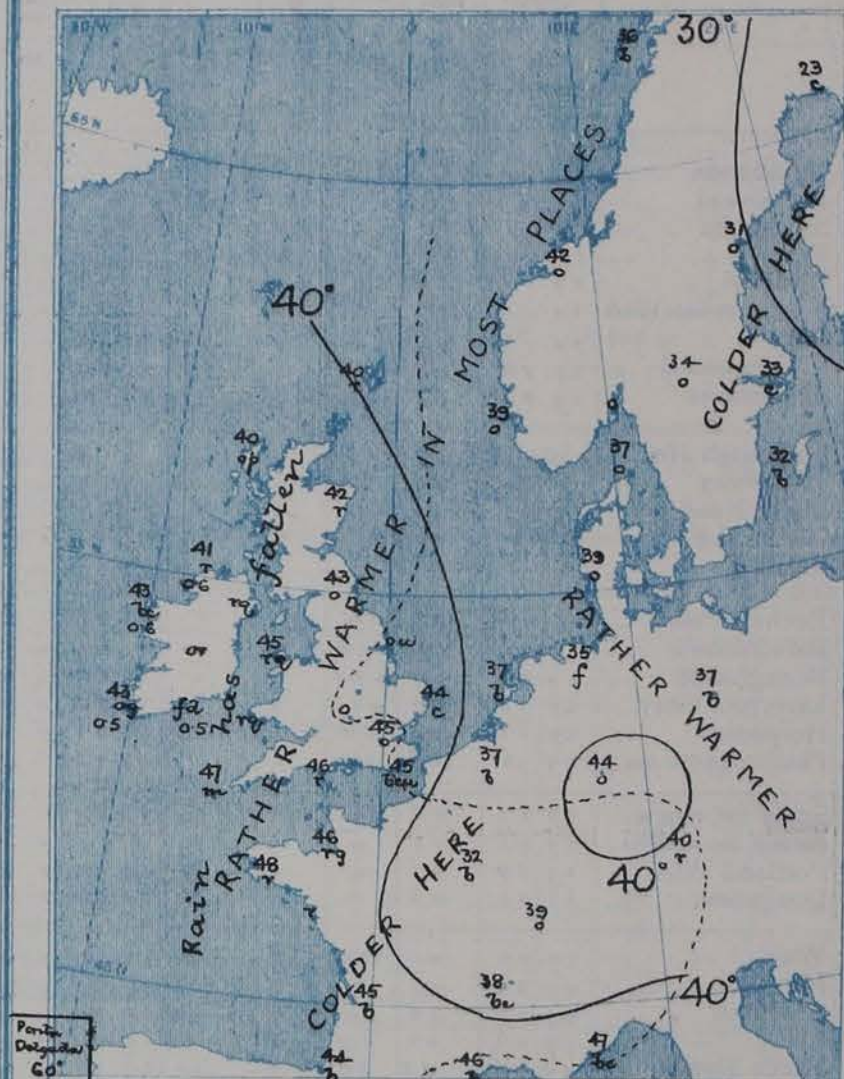


## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus: 0.6



## III. BAROMETER AND WIND

Yesterday morning.



## IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES combined for the month of MARCH (1871-1900)



## V. Means of DAILY TEMPERATURE at 8 A.M. for the monthly period MARCH (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Barometrical pressure is now highest in an anticyclone over Finland and the Gulf of Bothnia and lowest in a cyclonic system which has reached our north-west coasts from the north-westward. The actual readings range from 30.57 in. at Haparanda and 30.28 in. at Wisley to 29.23 in. at Malin Head, and to 29.95 in. at Biarritz. Gradients are rather steep over the Irish Sea and St. George's Channel, moderate in most other localities. The barometer is rising again on our southwestern and southern coasts, still falling over our more northern and north-eastern districts.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind circulates around the baric minimum, — being fresh or strong from the W<sup>d</sup> over the northwestern and western districts (a gale at Holyhead), moderate from S.W. in the southeast, from the S<sup>d</sup> in the east, and moderate or fresh from the S.E.<sup>th</sup> in Scotland. To the eastward of the North Sea the wind is E<sup>y</sup>, and at Skudesnäs blows a fresh gale.

Temperature is rather above the normal in most parts of Great Britain, and a few degrees below it in Ireland: at Scilly and Dungeness it is 45°, whence it decreases to 40° at Leth and Wick, 39° at Parnostown and Malin Head, and to 36° at Harin. The Continental values range from 49° at Biarritz, Perpignan, and Trier to 44° at Paris, 36° at Bodö, 31° at Munich, and to 27° at Haparanda.

The weather is cloudy or overcast in almost all places, but fair at some of our own southern and southeastern stations. Rain or passing showers prevail on several parts of our western and northwestern coasts, as well as at Rochefort, Lumburgh Head, and Dungeness. The sea is rough in the west and extreme north, moderate to smooth elsewhere.

The maximum temperatures recorded over our Islands yesterday were below 50° generally, but a little above it at some of our southern stations and as high as 54° in London. The night was rather cold; at Harin the sheltered thermometer descended to 31°. Rain has fallen in nearly all parts of our Islands (0.87 in. at Valencia) and heavier amounts in the south of France; at Perpignan there has been a fall of 1.77 in. Bright sunshine was deficient yesterday except in the south.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north-west seems likely to move in a northerly direction, but the wind at Valencia (W.S.W.) appears to indicate the early approach of other disturbances. Unsettled weather is therefore probable generally, with winds mainly from the W<sup>d</sup> in the south and from the S.E. or S. in the north.

## FORECASTS\*

For the 24 hours ending at NOON on 17<sup>TH</sup> MARCH 1903

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	Wind fresh or strong from S.E. or S; very unsettled, rain at times.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S <sup>y</sup> or S.E. <sup>y</sup> winds, light or moderate; some rain, then improving.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	Moderate breezes between S. and W; some showers, but fair as a whole.
5	ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Wind chiefly W <sup>dy</sup> , fresh or strong in places; some rain or hail, fair intervals.
9	IRELAND NORTH	
10	IRELAND SOUTH	

### WARNINGS

At 9.40 am. yesterday to Districts 0, 1, 6, 9, and 10; and at 7.30 pm. to Districts 5 and 8, "Hoist South Cone".

Note.—The South Cone, point downwards (⌣), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.  
The North Cone, point upwards (⌣), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.						THIS MORNING 8 A.M.						PAST 24 HOURS.					
	Bar. Ins.	Temp.	Wind.	Weather.	Barometer.		Temperature			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.	
					Ins.	Change.	Dry.	Wet.	Change					Max.	Min.			
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	bc	*	c, b	45	41	3.0	-	
Newton Reigny (Penrith)	29.58	39	sw 2	o	29.34		39	37		SE 3	o	*	c, o	43	36	1.0	-	
Bath ... ..	29.70	46	S 4	b	29.64	- .14	42	40	- 1	sw 5	b	*	-	49	?	2.0	0.04	

Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	bc	*	c, b	45	41	3.0	-
Newton Reigny (Penrith) ...	29.58	39	sw 2	0	29.34	39	37		SE 3	0	*	c, 0	43	36	1.0	-
Bath ... ..	29.70	46	S 4	8	29.64 - .14	42	40	- 1	SW 5	8	*	-	49	?	2.0	0.04

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			

Southport, to 9 p.m. ....	47	38	7, c, b	0.8	0.08	Eastbourne ... ..	*	*	*	3.3	*
Rhyl ... ..	*	*	*	2.0	*	Hastings ... ..	*	*	*	1.6	*
Llandudno ... ..	*	*	*	2.4	*	Lowestoft, to 6 p.m. ...	*	*	*		
Aberystwyth, to 6 p.m. ...	49	43	bc	2.0	0.04	Harrogate, to 6 p.m. ...	45	39	0, bc, r	1.6	0.28
Plymouth, to 9 p.m. ....	*	*	*			Manchester, to 9 p.m. ...	45	37	bc, r, bc	0.3	0.03
Worthing ... ..	*	*	*	7.9	*	Darwen, to 7 p.m. ....	42	33	0, r, 0	0.0	0.14
Brighton ... ..	*	*	*	7.2	*	Birmingham, to 9 p.m. ...	47	35	0, c, b	1.7	-

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 15. III. 1903.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		

Utrecht ... ..				Ins.	Tunis ... ..				Ins.
Madrid ... ..					Algiers ... ..				
Vienna ... ..					Madeira (Funchal) ... ..				
St. Petersburg ... ..									
Trieste ... ..									
Florence ... ..									
Rome ... ..									
Corsica (I. Sanguinaires) ...									
Naples ... ..									
Palermo ... ..									
Malta ... ..									

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.  
\* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
----------------	--	--------------------------------------	--	--------------------------------------

British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.‡
Holland ... ..	8 a.m. ( " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France ... ..	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal ... ..	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Point Delgada ...	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Horta ... ..	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

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

16. III. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
----------------	-------------------	----------------	------------------

Yarmouth ... ..	6.8	12.2	5.56
Greenwich ... ..	6.14	12.9	6.4
Wick ... ..	6.29	12.21	6.14
Valencia ... ..	6.55	12.50	6.45

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.  
" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

ERRATUM:—In the report of the 12<sup>th</sup> the Rainfall at Birmingham should read "0.03 in." and the Sunshine "1.4 hrs."



# DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 18<sup>th</sup> March, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)						THIS MORNING. (See note on last page.)										PAST 24 HOURS.					
		BAROM.		TEMP.		WIND.		Weather.	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.		Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Max.	Min.								
																		Ins.	°			Ins.	Ins.
SCANDINAVIA.	Haparanda ...	30.50	24	SSE	2	7	30.49	-12	11	10	-12	SSE	2	7	*	-	32	11	*	-			
	Hernösand ...	30.40	28	Z	0	0	30.30	-14	29	28	-2	S	4	0	*	-	34	28	*	-			
	Stockholm ...	30.33	31	Z	0	7	30.23	-13	33	32	0	SE	4	0	*	-	39	28	*	-			
	Wisby ...	?	40	S	4	7	30.18	-11	32	30	0	Z	0	7	*	-	43	32	*	-			
	Karlstad ...	30.22	35	E	4	0	30.06	-17	34	32	0	ESE	4	0	*	-	*	*	*	-			
	Færder (X'ania Fjord) ...	30.10	37	SSE	4	0	29.85	-28	35	33	-1	SE	6	0	4	-	37	34	*	-			
	Bodö ...	30.02	36	SE	7	0	29.83	-30	33	31	-3	SE	7	7	2	-	37	32	*	-			
	Christiansund ...	29.64	44	SE	5	0	29.42	-37	45	37	+3	S	6	0	4	-	46	42	*	-			
	Skudesnaes ...	29.71	42	SE	9	0	29.39	-46	39	38	0	SSE	10	7	7	0	45	39	*	*			
BRITISH ISLANDS.	Sumburgh Head ...	29.15	40	SW	2	C	29.22	+04	38	36	-2	WSW	2	C	5	7, C	44	36	*	0.65			
	Stornoway ...	29.15	43	SSW	6	S	29.23	+21	35	34	-5	SW	6	0, 7, 8, 9	6	7, 8, 9, 10, 11	47	35	6.1	0.09			
	Malin Head ...	29.29	40	W	7	bc, g	29.41	+24	37	35	-4	S	6	bc, g	4	bc, g, 2	44	35	*	0.19			
	Blacksod Pt. ...	29.37	43	WNW	5	ch, p	29.50	+26	43	39	0	WSW	7	C	5	cg, h, p, m, 7	47	36	*	0.05			
	Valencia ...	29.47	44	NW	2	omp	29.74	+35	43	39	0	WSW	5	ch, p	6	ov, omp	48	37	0.0	0.29			
	Roche's Point ...	29.48	48	SW	4	0	29.77	+42	38	37	-12	W	3	7	2	0, 7	50	36	*	0.41			
	Parsonstown ...	29.45	43	W	1	0	29.66	+31	35	34	-6	SSW	1	7	*	0, 9	47	32	0.0	0.17			
	Donaghadee ...	29.40	46	W	2	0	29.51	+26	35	34	-11	W	3	bc	4	-	47	34	*	0.16			
	Liverpool Obsy. ...	29.50	40	WNW	2	7	29.61	+13	37	37	-7	WNW	4	C	2	0, 7	51	33	*	0.81			
GERMANY, &c.	Holyhead ...	29.49	44	WSW	2	om	29.63	+25	40	37	-5	WNW	7	bc, g, p	5	7, 10, m	48	34	*	0.79			
	Pembroke (St. Ann's) ...	29.52	45	W	3	0	29.77	+31	42	39	-5	WNW	6	bc, g, h, p, m, 7, 8	7	-	49	38	0.0	0.55			
	Scilly (St. Mary's) ...	29.54	49	SE	1	7	29.85	+30	44	41	-3	WNW	7	C	5	7, 7, 9	52	41	0.0	0.32			
	Jersey (St. Aubins) ...	29.76	50	S	5	orm	29.87	+04	46	43	0	W	7	0, 7	5	0, 7, 9, 10	50	45	0.0	0.35			
	Portland Bill ...	29.63	49	SSW	6	dg	29.73	-05	42	40	-4	WNW	7	C	6	7, 9, dg	49	41	*	0.34			
	Dungeness ...	29.78	48	S	6	7	29.64	-31	46	45	+1	WNW	5	0	4	C, 7, 9	49	44	*	0.21			
	Wick ...	29.19	42	S	3	0	29.25	+11	37	35	-6	S	2	bc	2	-	44	33	*	0.15			
	Nairn ...	29.24	37	SW	1	bc	29.30	+16	35	34	-7	SW	1	7	1	-	46	31	*	0.23			
	Aberdeen ...	29.30	44	SW	3	bc, m	29.36	+08	37	35	-5	SW	2	C, m	3	7, C, bc, m	47	35	1.8	0.23			
FRANCE.	Leith ...	29.33	45	SW	1	0	29.41	+18	38	36	-10	WSW	2	0	*	-	50	36	*	0.02			
	North Shields ...	29.43	42	SSW	1	7	29.43	-05	37	36	-6	WSW	3	0, 7	2	0, 7, 9	48	33	*	0.23			
	Spurn Head ...	29.47	47	S	7	7	29.47	-22	37	37	-5	WNW	6	7	4	7	48	35	*	0.57			
	Yarmouth ...	29.69	47	S	6	0, 7, 9	29.42	-45	47	44	+3	W	7	0, 9	4	C, 0, 7, 9	50	41	*	0.14			
	Loughborough ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
	Oxford ...	29.58	50	S	3	7	29.67	-10	41	38	-4	W	3	C	*	0, 9, 7	51	40	*	0.25			
	London (Brixton) ...	29.68	48	SSW	7	od	29.63	-22	44	40	-1	WSW	5	0	*	0, 9, 7, 8	50	42	0.0	0.12			
	The Scaw (Skagen) ...	30.07	38	S	5	7	29.82	-25	37	36	0	SSE	6	m	2	-	39	36	*	-			
	Fanö ...	29.98	39	SE	6	0	29.67	-34	40	39	+1	SE	8	7	*	-	45	37	*	0.04			
SPAN. PEN.	Cuxhaven ...	30.05	41	ESE	1	C	29.76	-26	42	40	+7	S	5	0	*	-	46	35	*	-			
	The Helder ...	29.85	47	S	2	0	29.50	-47	47	47	+10	S	6	7	4	-	50	36	*	0.28			
	Brussels ...	*	*	*	*	*	29.71	-38	47	46	+10	S	5	7	*	-	53	37	*	0.04			
	Berlin ...	30.11	45	Z	0	7	30.04	+02	37	36	0	SE	2	7	*	-	50	34	*	-			
	Frankfurt ...	30.08	45	SW	2	7	30.02	-02	36	36	-8	SW	2	0	*	-	50	36	*	-			
	Munich ...	30.15	41	W	2	C	30.12	+07	34	34	-6	SSW	1	7	*	-	46	32	*	-			
	C. Gris Nez ...	29.82	47	S	5	0	29.61	-38	48	48	+7	SW	6	7	6	-	48	41	*	0.20			
	Brest ...	29.75	51	SW	5	0	29.92	+13	46	43	-2	NW	5	0	5	-	52	43	*	0.28			
	Lorient ...	29.86	52	S	6	7	29.90	-04	46	46	-2	WNW	6	7	4	-	57	43	*	0.98			
SPAN. PEN.	Rochefort ...	30.05	50	SSW	5	7	29.98	-13	54	53	+9	SW	6	7	*	0, 7	54	45	*	0.08			
	Biarritz ...	30.18	57	S	1	C	30.15	-05	55	53	+11	SSE	2	C	3	-	59	44	*	-			
	Paris ...	30.03	51	S	4	0	29.84	-29	51	49	+19	SSW	5	0	*	-	55	32	*	0.08			
	Belfort ...	30.10	44	NE	4	C	30.08	00	37	35	-2	W	2	0	*	-	50	32	*	-			
	Lyons ...	30.18	45	N	1	7	30.18	+03	38	35	0	S	1	0	*	-	51	35	*	-			
SPAN. PEN.	Nice ...	29.95	50	Z	0	7	30.05	+22	49	44	+2	E	1	7	*	-	57	45	*	-			
	Perpignan ...	30.11	53	NW	3	7	30.13	+01	44	43	-2	SW	1	0	*	-	58	42	*	-			
	Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
SPAN. PEN.	Lisbon ...	30.38	55	SW	4	0	30.39	+06	57	56	+3	SW	2	0	*	-	59	54	*	-			
	Azores (P. Delgada) ...	30.30	51	NNE	6	m	30.40	+27	51	49	-9	NE	4	0	4	-	63	50	*	0.24			
	" (Horta) ...	30.36	52	ENE	5	bc	30.44	+43	52	45	-9	NE	4	bc	3	-	61	52	*	0.16			

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR WEDNESDAY, 18<sup>TH</sup> MARCH, 1903.

## I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 →

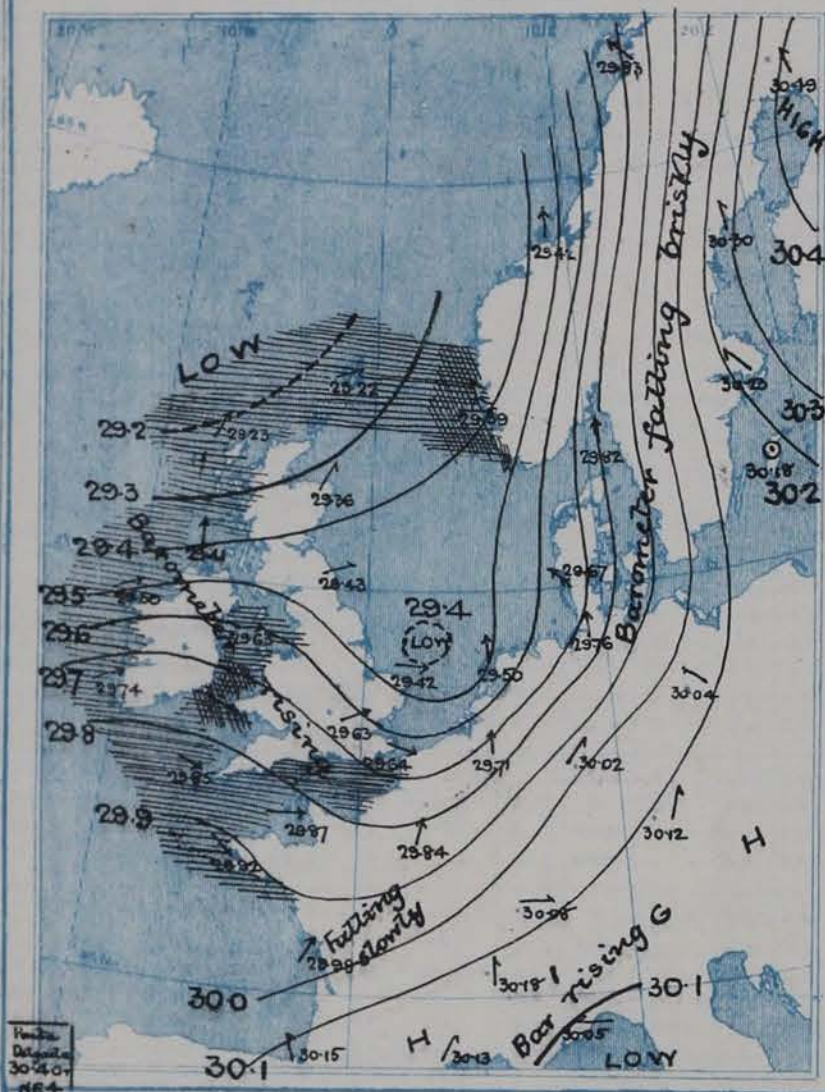
Force 5 to 7 →

Calm ☉

Force 8 to 10 →

Force 1 to 4 →

SEA.—Rough  High 

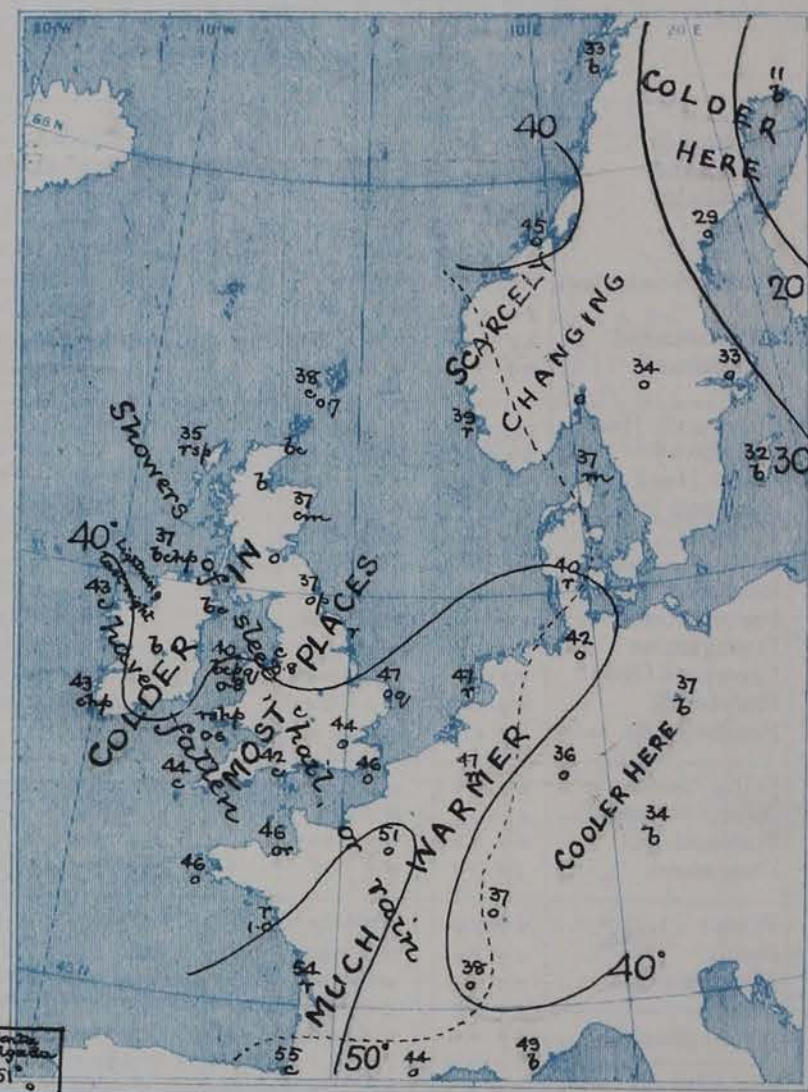


## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus: 0.6



## III. BAROMETER AND WIND

Yesterday morning



## IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES combined for the month of MARCH (1871-1900)



## V. Means of DAILY TEMPERATURE at 8 A.M. for the monthly period MARCH (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The cyclonic disturbance which lay over our northwest coasts yesterday morning has since disappeared to the northward, but during the night another system of a "V" shaped type has advanced from the westward and now lies over our western districts. Its minimum, where the barometer is at least as low as 29.0 in., is shown to the northward of the Hebrides, whence the readings increase to 29.35 in. at Roches Point to 30.1 in. over the greater portion of France and to 30.6 in. and upwards in an anticyclone over Finland. There is also a local bare minimum of about 29.8 in. over the Gulf of Genoa. The mercury has begun to rise again in the extreme west and northward, but the upward movement has been checked at Valencia since 5 am.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is S<sup>3</sup> over Great Britain, but has veered to S.W. at Scilly, Stornoway, and most Irish stations, and to W.N.W. at Valencia Island. It blows freshly or strongly in most places, and in the Shetlands and over the Irish Sea and St Georges' Channel has the strength of a moderate to fresh gale. Over Scandinavia it is rather more E<sup>2</sup> and at Skudesnæs a fresh gale prevails.

Temperature has risen at most of our own stations and over Germany, fallen over France and Sweden. Over our Islands the readings are a little above the normal, ranging from 50° at Roches Point and 48° at Leith to 40° in the Shetlands and Hebrides. At inland stations on the Continent the temperature is mostly below 40°; at Paris it is 32°, at Berlin 37°, and at Staparanda 23°. The weather

has become dull and rainy in almost all parts of the United Kingdom and Brittany and much cloud still prevails over Scandinavia, Denmark and Germany. At the mouth of the Elbe fog prevails, while at Munich rain is reported. Over the greater part of France the sky is clear. The sea is high at Lumbugh Head and rough or rather so on most exposed parts of our coasts.

The maximum temperatures registered over our Islands yesterday were generally a few degrees below 50°, but that at Aberdeen was no higher than 43°. Rain was experienced in most places, the heaviest amounts being 0.6 in. at Blackwood Point and Malin Head, 0.5 in. at Valencia and Roches' Point, and 0.4 in. at Aberdeen. Bright sunshine was again very prevalent over our southern and southwestern districts.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance in the west appears likely to travel away northwards, but will in the meantime spread more to the eastward. Fresh or strong S<sup>2</sup> winds or gales are probable in most parts of the Kingdom today, with overcast skies and rain, and the distribution of pressure continues favourable for the approach of other cyclonic systems from the S.W. and W.

## FORECASTS \*

For the 24 hours ending at NOON on 18<sup>TH</sup> MARCH 1903

### DISTRICTS.

### FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

Wind chiefly S<sup>2</sup>, fresh or very strong to moderate; cloudy or dull, rain at times.

S<sup>2</sup> winds, fresh or strong, a gale in places, then moderating and veering; dull and rainy today; fairer tomorrow.

### DISTRICTS.

### FORECASTS.


- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH


S<sup>2</sup> to SW<sup>2</sup> winds, strong, a gale in places; dull and rainy, then improving.

Fresh or strong winds between W. and S; changeable, hail or rain at times.

At 7 pm yesterday to Dist. 7, and at 9.10 am today to Dists. 2 and 3 "Hurst South Cone". The signals are still flying in Dists. 5 and 8, but come down this morning elsewhere.

### WARNINGS

Note.—The South Cone, point downwards (  ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (  ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.				
	Bar.	Temp.	Wind.	Weather.	Barometer.	Temperature			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun-
	Ins.	°			Ins.	Change.	Dry.	Wet.	Change.				Max.	Min.	shine.
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	*	c, b	51	36	7.6
Newton Reigny (Penrith) ...	29.55	41	w 4	c	29.41	+0.07	41	40	+2	5 4	r	od, r, g	45	38	0.3
Bath ... ..	29.83	44	w 2	b	29.73	+0.09	47	44	+5	5 6	r	*	49	40	7.0

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m. ....	47	39	op, c, b	2.9	0.03	Eastbourne ... ..	*	*	*	8.7	*
Rhyl ... ..	*	*	*	4.3	*	Hastings ... ..	*	*	*	7.9	*
Llandudno ... ..	*	*	*	1.8	*	Lowestoft, to 6 p.m. ...	52	38	c, b, c, b	6.5	-
Aberystwyth, to 6 p.m. ...	47	43	b, c	8.0	-	Harrogate, to 6 p.m. ...	45	36	oc	2.0	0.01
Plymouth, to 9 p.m. ....	51	40	b, c, g, p	7.2	0.16	Manchester, to 9 p.m. ...	47	37	g, r, oc, b, c	1.5	0.02
Worthing ... ..	*	*	*	7.8	*	Darwen, to 9 p.m. ...	43	35	r, b, c, b, v	2.3	0.22
Brighton ... ..	*	*	*	9.1	*	Birmingham, to 9 p.m. ...	48	38	c, b	4.2	-

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 16 Mar. 1903.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Utrecht ... ..	52	34	o	o	Tunis ... ..	60	50	b, c	Ins.
Madrid ... ..	63	30	c	c	Algiers ... ..	68	62	o	r
Vienna ... ..	48	34	o	c	Madeira (Funchal) ...	61	48	b	e
St. Petersburg ... ..	37	19	6	2					
Trieste ... ..	50	41	o	r					
Florence ... ..	53	46	o	o					
Rome ... ..	61	50	r	o					
Corsica (I. Sanguinaires) ...	57	45	m	r					
Naples ... ..	59	49	o	o					
Palermo ... ..	68	51	b	b					
Malta ... ..	61	57	?	m					

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland ... ..	8 a.m. ( " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France ... ..	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
{ Horta ... ..	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

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

17 Mar. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6.5	12.2	5.58
Greenwich ... ..	6.12	12.9	6.6
Wick ... ..	6.26	12.21	6.16
Valencia ... ..	6.53	12.50	6.46

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" Weekly " " " £1 10 0 " " Single Copies, 6d.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on *Thursday, 19<sup>th</sup> March, 1903.*

Issued by the *METEOROLOGICAL OFFICE, 63, Victoria Street, London.* *W. N. SHAW, Secretary.*

STATIONS.	YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.			
	BAROM.	TEMP.	WIND.	Force (0 to 12.)	Weather.	BAROMETER.	TEMPERATURE.				WIND.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.
	At 32° and M.S.L.	Dry Bulb.	Dirac.			At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.					Max.	Min.		
	Ins.	°				Ins.	Ins.	°											
SCANDINAVIA.	Haparanda ...	30.32	21	SSE	4	30.25	- .24	14	13	+ 3	SSE	4	3	*	-	27	9	*	-
	Hernösand ...	30.10	31	S	9	29.80	- .50	30	30	+ 1	S	9	0	*	-	34	28	*	-
	Stockholm ...	30.05	35	SSE	2	29.78	- .45	34	34	+ 1	SE	2	3	*	-	37	28	*	0.24
	Wisby ...	29.94	37	SE	4	29.85	- .33	36	36	+ 4	NW	2	7	*	-	37	23	*	0.20
	Karlstad ...	29.69	33	SE	6	29.78	- .28	34	33	0	WSW	2	3	*	S	*	*	*	0.35
	Færder (X'ania Fjord)																		
	Bodö ...	29.71	36	ESE	9	29.66	- .17	34	29	+ 1	E	6	0	2	-	36	32	*	-
	Christiansund ...	29.37	42	SSE	4	29.41	- .01	39	35	- 6	SE	5	0	4	-	45	36	*	-
	Skudesnaes ...	29.58	39	W	2	29.58	+ .19	41	40	+ 2	SSW	8	0	5	r,c	41	36	*	*
	Sumburgh Head ...	29.27	41	WSW	3	29.09	- .13	41	41	+ 3	SW	4	7	6	3,c	42	38	*	0.07
BRITISH ISLANDS.	Stornoway ...	29.19	43	SW	6	29.14	- .09	40	38	+ 5	W	7	op	7	0,2	45	35	1.6	0.51
	Malin Head ...	29.40	44	W	8	29.45	+ .04	42	41	+ 5	SW	7	ogp	5	3,c,ogp,2	45	37	*	0.09
	Blacksod Pt. ...	29.48	47	SSW	8	29.57	+ .07	48	44	+ 5	WSW	7	ogp,m	6	ogp,m,2	49	40	*	0.36
	Valencia ...	29.78	48	SW	6	29.81	+ .07	50	48	+ 7	SW	6	om	6	ogp	51	42	2.3	0.31
	Roche's Point ...	29.87	49	WSW	6	29.86	+ .09	51	50	+ 13	WSW	6	om	6	c,ogp	51	37	*	0.06
	Parsonstown ...	29.72	44	SW	5	29.74	+ .08	47	45	+ 12	SW	3	c	*	ogp,r	49	33	5.3	0.41
	Donaghadee ...	29.63	47	WSW	4	29.60	+ .09	47	45	+ 12	WSW	3	3,c	3	c,2	48	34	*	0.03
	Liverpool Obsy. ...	29.84	45	WSW	6	29.84	+ .23	49	46	+ 12	WSW	6	0	4	-	49	37	*	-
	Holyhead ...	29.81	46	SW	7	29.78	+ .15	48	46	+ 8	SW	7	ogm	5	c,ogp,m	48	37	*	-
	Pembroke (St. Ann's) ...	29.95	47	WSW	7	29.93	+ .16	48	47	+ 6	SW	8	ogm	6	og	49	42	7.1	0.04
GERMANY, &c.	Scilly (St. Mary's) ...	30.09	50	WSW	6	30.09	+ .24	50	48	+ 6	WSW	7	om	5	c	52	41	9.0	0.02
	Jersey (St. Aubins) ...	30.25	49	W	4	30.32	+ .45	48	45	+ 2	SW	5	cm	4	3,c,ogp,2	51	43	7.3	0.04
	Portland Bill ...	30.12	47	W	6	30.14	+ .41	49	47	+ 7	WSW	6	c	6	3,c,g	49	42	*	-
	Dungeness ...	30.11	46	W	5	30.18	+ .54	48	47	+ 2	SW	6	cg	3	3,c,2	53	44	*	0.01
	Wick ...	29.27	40	W	3	29.20	- .05	43	41	+ 6	W	4	c	2	3,c,2,ogp	46	36	*	0.06
	Nairn ...	29.35	41	SSW	4	29.28	- .02	40	40	+ 5	SW	4	c	2	-	45	34	*	0.44
	Aberdeen ...	29.48	43	SW	4	29.38	+ .02	45	42	+ 8	WSW	4	3,v	2	3,3,c,p	47	36	7.5	0.02
	Leith ...	29.55	45	SW	3	29.51	+ .10	44	42	+ 6	WSW	5	ogp	*	-	49	35	*	0.12
	North Shields ...	29.72	43	SW	3	29.62	+ .19	50	47	+ 13	SW	5	3,c	2	3,c	50	35	*	-
	Spurn Head ...	29.86	44	SW	4	29.84	+ .37	47	46	+ 10	SW	6	3,c	4	-	47	36	*	0.03
FRANCE.	Yarmouth ...	29.94	45	W	4	30.00	+ .58	48	44	+ 1	WSW	6	c	4	c,3,c	48	37	*	-
	Loughborough ...																		
	Oxford ...	30.09	44	SW	3	30.07	+ .40	48	46	+ 7	SW	4	cgd	*	-	50	40	*	-
	London (Brixton) ...	30.08	46	SW	4	30.07	+ .44	50	46	+ 6	WSW	7	og	*	3,c,og	50	43	6.2	-
	The Scaw (Skagen) ...	29.56	39	WNW	5	29.84	+ .02	37	36	0	WSW	4	m	1	-	39	36	*	0.55
	Fanö ...	29.91	40	W	4	29.97	+ .30	41	40	+ 1	SSW	4	0	*	-	43	39	*	0.47
	Cuxhaven ...	29.87	42	W	5	30.11	+ .35	39	38	- 3	SW	5	0	*	-	46	37	*	0.12
	The Helder ...	29.99	43	W	4	30.06	+ .56	45	45	- 2	SW	6	7	*	-	50	37	*	0.12
	Brussels ...	*	*	*	*	30.31	+ .60	41	39	- 6	SSW	4	0	*	-	48	37	*	0.12
	Berlin ...	29.89	47	SW	3	30.27	+ .23	38	36	+ 1	W	2	3	*	-	55	36	*	0.20
SPAN. PEN.	Frankfurt ...	30.16	41	N	3	30.41	+ .39	36	34	0	SW	2	3	*	-	45	34	*	0.24
	Munich ...	30.11	43	SW	5	30.45	+ .23	36	35	+ 2	W	3	3	*	-	55	34	*	0.16
	C. Gris Nez ...	30.14	45	WSW	6	30.14	+ .53	46	45	- 2	SW	6	0	6	-	48	45	*	-
	Brest ...	30.28	50	W	3	30.32	+ .40	50	47	+ 4	SW	4	c	5	-	52	46	*	-
	Lorient ...	30.32	50	W	5	30.42	+ .52	49	49	+ 3	SW	5	3	4	-	57	46	*	0.04
	Rochefort ...	30.34	49	NW	5	30.45	+ .47	47	45	- 7	WSW	2	3	*	3	54	43	*	0.04
	Biarritz ...	30.45	50	NW	4	30.55	+ .40	44	44	- 11	X	0	3	4	-	61	44	*	0.04
	Paris ...	30.26	46	NW	3	30.44	+ .60	35	33	- 16	SSW	2	3	*	-	53	33	*	0.08
	Belfort ...	30.11	42	W	7	30.49	+ .41	30	30	- 7	X	0	f	*	-	50	27	*	0.20
	Lyons ...	30.29	46	NW	3	30.48	+ .30	38	36	0	N	1	3	*	-	55	37	*	0.04
	Nice ...	30.07	51	Z	0	30.13	+ .08	49	46	0	Z	0	3,c	2	-	61	46	*	-
SPAN. PEN.	Perpignan ...	30.23	59	NW	3	30.40	+ .27	48	43	+ 4	NW	3	0	*	-	71	42	*	-
	Corunna ...																		
	Lisbon ...	30.42	56	WNW	3	30.46	+ .07	50	46	- 7	N	4	3	*	-	63	48	*	0.08
SPAN. PEN.	Azores (P. Delgada) ...	30.39	55	NE	4	30.28	- .12	57	57	+ 6	E	4	m	3	-	59	51	*	0.08
	„ (Horta) ...	30.43	55	NE	4	30.34	- .10	53	50	+ 1	NE	3	3	2	-	59	52	*	-

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR THURSDAY, 19<sup>TH</sup> MARCH, 1903.

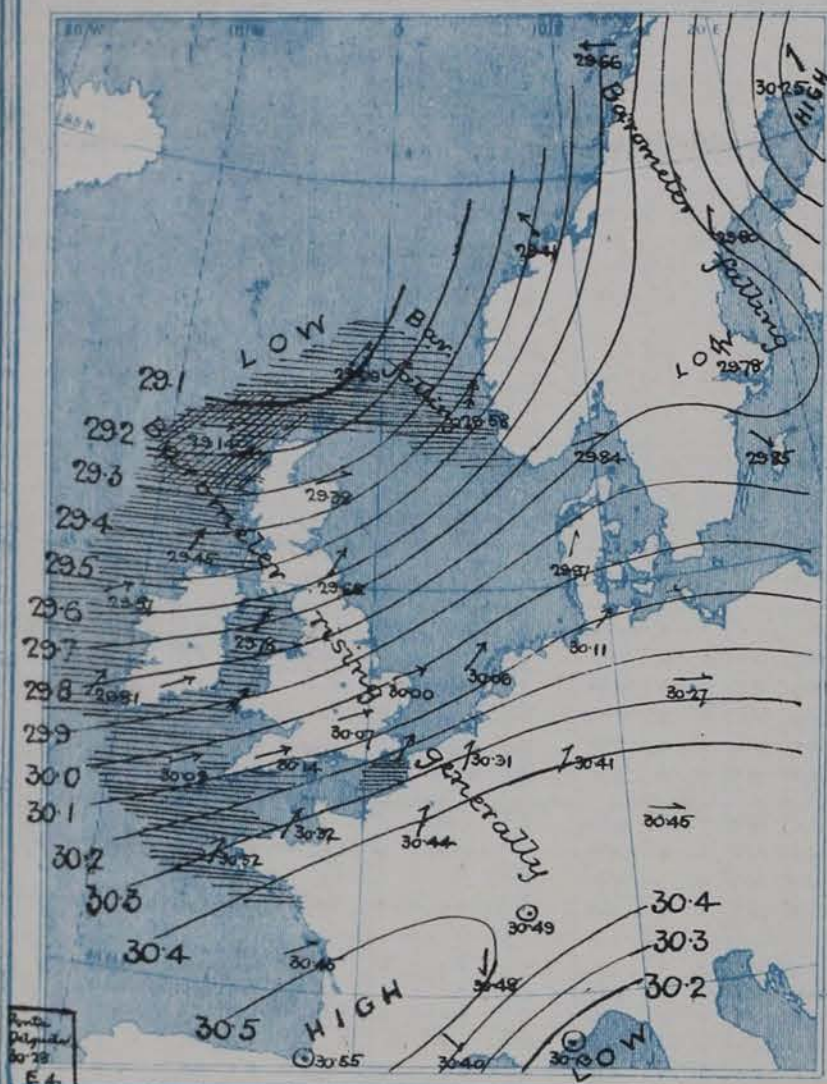
## I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉  
Force 8 to 10 → Force 1 to 4 →

SEA.—Rough High



## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus: 0.6



## III. BAROMETER AND WIND

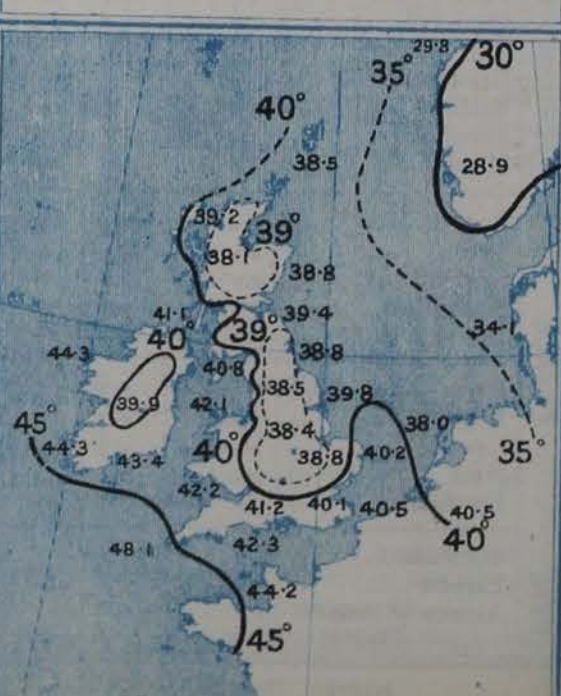
Yesterday morning.



## IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES combined for the month of MARCH (1871-1900)



## V. Means of DAILY TEMPERATURE at 8 A.M. for the monthly period MARCH (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The cyclonic system noticed yesterday morning off the north-west of Scotland has moved northward, the lowest pressures, 29.3 in. and less, being now found in the extreme north of that country. A well marked secondary system which travelled north-eastwards across the south of England during the night is now lying off the Norfolk coast, but in the rear of both disturbances the barometer is rising over the United Kingdom generally. The highest pressures, 30.4 in. and upwards, are still found over Lapland, and the barometric gradient is steep over Scandinavia, Denmark and the north-west of Germany; pressure is also high, 30.2 in. and upwards, over the Spanish peninsula.

### WIND

The wind is fresh to strong from the Westward over Ireland and England, but light from the South-westward over the greater part of Scotland; in Scandinavia and Denmark it is Southeasterly or Southerly, with a gale in several places. Over the south of France the wind is light and variable.

### TEMPERATURE

Temperature has fallen in these Islands, and is now below the average at all but our extreme southern stations, the thermometer being below 40° in most places, and as low as 35° at Stromoway, Na h-Eileanan Siar, Portlaoine and Newton Rungby (Pennine). In France the thermometer has risen quickly, the readings being in many places above 50°; over the east of that country and in South Germany, however, they are below 40°.

### WEATHER

The weather is in a changeable, showery state over the United Kingdom generally, with hail or sleet at several of our weather stations. In the western parts of the Continent the sky is overcast, with rain over the Netherlands, the north of France, and the eastern shores of the North Sea.

### AND

The sea is rough or rather so on all but our east coasts, and high at Pembroke, as well as at Skudeen.

### SEA

During yesterday the thermometer rose to between 45° and 50° over the United Kingdom generally, to 51° at Oxford and Liverpool and to 52° at Seilly. An entire absence of bright sunshine was reported at most stations, but at Stromoway there was as much as 6½ hours. Rain has fallen generally — heavily over Wales and the north of England as well as in the Shetlands; lightning was seen last night at Malin Head and Blackhead Point.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer continues to rise steadily in the west, but the wind is backing again in the north of Ireland. Fresh disturbances will probably appear off our western coasts shortly, and the weather is therefore likely to remain in a very unsettled state, with very strong winds in the west and south and squalls of hail or sleet in many parts of Ireland and England.

## FORECASTS \*

For the 24 hours ending at NOON on 19<sup>TH</sup> MARCH 1903

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	SW <sup>W</sup> winds, strong to a gale in west; changeable, some sleet showers.
1	SCOTLAND EAST	SW <sup>W</sup> winds, moderate; changeable, some hail or sleet showers.
2	ENGLAND N.E.	
3	ENGLAND EAST	W to SW <sup>W</sup> winds, strong and gusty; cold; changeable, some showers, with hail or sleet.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	SW <sup>W</sup> winds, strong to a gale; squally, showery, with hail or sleet.
7	ENGLAND N.W.	W to SW <sup>W</sup> winds, strong; squally, showery, hail in places.
8	ENGLAND S.W.	
9	IRELAND NORTH	Same as No. 6.
10	IRELAND SOUTH	Same as No. 8.
WARNINGS		At 7.20 pm yesterday to Dists. 5 and 8, and at 10 am. today to Dist. 6 and parts of 0 and 9, "Hoist South Cone". The signals are still flying in Dist. 7.

Note.—The South Cone, point downwards (⌣), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone. The North Cone, point upwards (⌢), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page



ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.									PAST 24 HOURS.			
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	c	*	bc, o	48	42	5.3	0.10
Newton Reigny (Penrith)	29.42	39	x o	o	29.46	+ .05	35	34	- 6	w 3	o	*	o r	46	33	0.0	0.45
Bath ... ..	29.56	52	s 5	r	29.78	0.0	42	39	- 5	w 5	b	*	-	53	40	0.0	0.34

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	49	39	3, 0, 7, 0	0.0	0.52	Eastbourne ... ..	*	*	*	0.0	*
Rhyl ... ..	*	*	*	0.0	*	Hastings ... ..	*	*	*	0.0	*
Llandudno ... ..	*	*	*	0.0	*	Lowestoft, to 6 p.m. ...	47	35	0, 0, 7	? 1.5	0.02
Aberystwyth, to 6 p.m. ...	51	43	c	0.0	0.29	Harrogate, to 6 p.m. ...	47	37	3, 0, 7	0.0	0.20
Plymouth, to 9 p.m....	*	*	*	0.0	*	Manchester, to 9 p.m. ...	49	38	7, 9, 0, 7, 0	0.0	0.21
Worthing ... ..	*	*	*	0.0	*	Darwen, to 9 p.m. ...	46	33	c, 0, 7, 0, 0	0.0	0.84
Brighton ... ..	*	*	*	0.0	*	Birmingham, to 9 p.m. ...	50	36	0, 7	0.0	0.39

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 17. <i>Max.</i> 1903.	TEMPERATURE, F.		WEATHER.		RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.		RAIN.
	Max. °	Min. °					Max. °	Min. °			
Utrecht... ..	52	27	o	f	—	Tunis ... ..	70	46	m	o	Ins.
Madrid ... ..	61	37	o	o	—	Algiers ... ..	64	57	c	r	0.16
Vienna ... ..	52	41	c	m	—	Madeira (Funchal) <i>not rec'd</i>					0.57
St. Petersburg ... ..	30	18	s	s	—						
Trieste ... ..	54	46	r	o	0.75						
Florence ... ..	53	43	o	o	0.04	16. <i>Mch.</i> 1903.	1 p.m.		1 p.m.		Measured 7 a.m.
Rome ... ..	57	50	r	r	1.46	Lugano ... ..	46	—	o		—
Corsica (I. Sanguinaires) ...	57	46	g	g	0.16	Davos ... ..	43	—	o		—
Naples ... ..	59	52	o	c	0.08	Lucerne ... ..	54	—	o		—
Palermo ... ..	70	49	b	o	—	Lausanne ... ..	48	—	o		—
Malta ... ..	65	57	?	o	—						

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.			
COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	18 March, 1908.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. ‡ (W.E.T.)	6 p.m. ‡				
Holland ... ..	8 a.m. ( " " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.	Yarmouth ... ..	6.2	12.1	6.0
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich ... ..	6.9	12.8	6.7
France ... ..	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick ... ..	6.23	12.20	6.18
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.	Valencia ... ..	6.50	12.49	6.48 ✓
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.				
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.				
{ Horta ... ..	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.				

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**FORECASTS OF WEATHER** for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on *Friday, 20<sup>th</sup> March, 1903.*

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		Barom.	Temp.		Wind.		Weather.	Barometer.		Temperature.			Wind.		Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.	
			At 82° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 82° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)			Max.	Min.			
																					Ins.
SCANDINAVIA.	Haparanda ...	29.88	21	SE	6	5	29.64	-1.61	28	28	+14	SSE	6	5	4	-	?	?	*	0.08	
	Hernösand ...	29.67	35	SSW	4	0	29.54	-1.26	36	35	+6	S	2	0	4	-	36	30	*	0.39	
	Stockholm ...	29.89	42	S	2	0	29.82	+1.04	43	41	+9	S	4	0	4	-	45	32	*	-	
	Wisby ...	30.00	40	Z	0	0	29.96	+1.11	41	39	+5	W	2	0	4	-	45	32	*	-	
	Karlstad ...	29.78	39	WSW	6	7	29.69	-1.09	40	39	+6	WSW	4	0	4	-	*	*	*	0.04	
	Færder (X'ania Fjord)	29.69	40	SSW	5	m	29.59	-1.10	41	41	0	SW	7	m	4	-	41	37	*	-	
	Bodö ...	29.39	32	ESE	7	8	29.19	-1.47	40	37	+6	E	1	8c	1	-	40	32	*	-	
	Christiansund ...	29.29	39	SW	3	8c	29.23	-1.18	39	36	0	W	4	0	4	-	48	37	*	0.04	
	Skudesnaes ...	29.63	40	WSW	8	0	29.56	-1.02	42	41	+1	SW	6	0	5	-	43	39	*	-	
	Sumburgh Head ...	29.22	42	W	6	8c	29.26	+1.17	39	36	-2	W	7	0	7	c, 8c	44	38	*	0.15	
BRITISH ISLANDS.	Stornoway ...	29.29	40	W	6	0	29.41	+1.27	38	36	-2	W	5	0	5	o, h, p, 2c	44	34	4.3	0.44	
	Malin Head ...	29.47	48	WSW	8	o, p	29.72	+1.27	43	41	+1	SW	6	8c	4	c, p	50	40	*	0.38	
	Blacksod Pt. ...	29.64	48	WSW	6	o, p, m	29.81	+1.24	44	42	-4	SW	4	0	4	o, p, m, o, p, m	51	42	*	0.30	
	Valencia ...	29.89	52	SW	7	o, m, g	29.95	+1.14	49	48	-1	SW	6	7m	6	o, p, m	54	48	0.0	0.24	
	Roche's Point ...	29.95	51	WSW	5	o, m, r	30.00	+1.14	51	50	0	WSW	4	o, m	5	o, g, o, m, r	53	49	*	0.02	
	Parsonstown ...	29.80	51	SW	6	r	29.89	+1.15	48	46	+1	WSW	4	o, g	0	c, p, g	52	46	0.7	0.51	
	Donaghadee ...	29.65	51	WSW	6	c, g, p	29.79	+1.19	46	45	-1	WSW	5	p, g	3	-	53	34	*	0.26	
	Liverpool Obsy. ...	29.88	48	WSW	7	0	29.90	+1.06	51	47	+2	WSW	8	8c	6	o, p	53	48	*	-	
	Holyhead ...	29.88	49	SW	8	o, g, m	29.92	+1.14	49	47	+1	SW	7	o, g, m	6	o, g, m	51	46	*	-	
	Pembroke (St. Ann's)	30.02	50	SW	7	0	30.10	+1.17	49	47	+1	SW	7	o, g, m	6	-	51	48	0.2	-	
GERMANY, &c.	Scilly (St. Mary's)...	30.18	52	SW	5	0	30.19	+1.10	50	48	0	SW	6	0	5	c, o	54	47	3.5	-	
	Jersey (St. Aubins)...	30.37	51	WSW	4	c	30.40	+1.08	49	46	+1	SSW	5	o, m	5	o, g, c, g	53	47	1.3	-	
	Portland Bill ...	30.23	49	WSW	6	c	30.27	+1.13	49	47	0	SW	4	0	3	c	51	47	*	-	
	Dungeness ...	30.23	49	WSW	6	c	30.27	+1.09	49	48	+1	WSW	6	0	4	c	53	44	*	-	
	Wick ...	29.33	40	NW	6	0	29.47	+1.27	37	36	-6	NW	6	c, r, s, p, u	3	-	45	33	*	0.10	
	Nairn ...	29.39	40	W	2	r	29.53	+1.25	38	37	-2	WSW	3	8c	2	-	47	36	*	0.27	
	Aberdeen ...	29.48	46	SW	4	c	29.63	+1.25	41	39	-4	WSW	3	8c, p	2	8c, p	50	38	7.5	0.05	
	Leith ...	29.58	49	SSW	3	0	29.71	+1.20	44	42	0	WSW	3	r	*	o, h, r, s, p	53	42	*	0.40	
	North Shields ...	29.73	51	SW	3	p	29.77	+1.15	47	46	-3	WSW	3	r	2	8c, p	56	46	*	0.11	
	Spurn Head ...	29.89	52	SW	6	c	29.92	+1.08	49	48	+2	SW	6	0	4	-	55	42	*	-	
FRANCE.	Yarmouth ...	30.03	54	WSW	5	c	30.09	+1.09	51	47	+3	WSW	5	0	4	c	55	45	*	-	
	Loughborough ...																				
	Oxford ...	30.16	50	WSW	4	0	30.18	+1.11	50	46	+2	SW	4	0	*	o, p, d	54	48	*	-	
	London (Brixton)...	30.17	51	WSW	5	0	30.22	+1.15	50	47	0	SW	5	o, g	*	c, o, p, o, g	53	49	0.7	0.04	
	The Scaw (Skagen)	29.84	42	WSW	3	m	29.76	-1.08	43	43	+6	WSW	5	r	1	0	45	36	*	0.04	
	Fanö ...	30.00	42	SSW	6	8	29.99	+1.02	43	42	+2	SSW	5	0	*	-	45	41	*	0.04	
	Cuxhaven ...	30.12	46	SW	4	0	30.16	+1.05	46	45	+7	SW	5	0	*	-	46	39	*	0.16	
	The Helder ...	30.11	47	SW	6	8c	30.15	+1.09	47	46	+2	SW	6	8	5	-	48	45	*	0.04	
	Brussels ...	*	*	*	*	*	30.40	+1.09	44	43	+3	SSW	4	8	*	-	50	41	*	0.04	
	Berlin ...	30.30	45	W	2	r	30.34	+1.07	45	44	+7	SW	2	0	*	-	52	38	*	0.04	
SPAN. PEN.	Frankfurt ...	30.39	47	SW	2	0	30.44	+1.03	42	39	+6	SW	2	8	*	-	52	36	*	-	
	Munich ...	30.49	40	Z	0	8	30.57	+1.12	35	33	-1	SW	3	8	*	-	46	32	*	-	
	C. Gris Nez ...	30.22	48	SW	6	0	30.28	+1.14	47	46	+1	SW	6	0	6	-	50	45	*	-	
	Brest ...	30.39	51	SW	3	0	30.38	+1.06	50	47	0	WSW	3	0	4	-	52	50	*	-	
	Lorient ...	30.44	51	SW	5	0	30.45	+1.03	50	49	+1	WSW	5	0	3	-	57	45	*	-	
	Rochefort ...	30.49	50	WSW	3	8	30.49	+1.04	44	43	-3	SSE	3	8c	*	c, 8	57	41	*	-	
	Biarritz ...	30.57	52	NNE	3	8	30.52	-1.03	39	39	-5	E	3	8	5	-	55	37	*	-	
	Paris ...	30.45	52	SW	3	c	30.50	+1.06	39	38	+4	SSW	2	8	*	-	57	35	*	-	
	Belfort ...	30.47	44	WSW	4	0	30.56	+1.07	31	30	+1	Z	0	0	*	-	52	30	*	-	
	Lyons ...	30.51	48	NNW	1	8	30.57	+1.09	39	37	+1	N	1	8	*	-	53	37	*	-	
Nice ...	30.30	52	Z	0	8c	30.45	+1.32	49	45	0	E	1	8	0	-	63	46	*	-		
Perpignan ...	30.42	53	NW	3	8	30.49	+1.09	44	39	-4	W	2	8c	*	-	60	40	*	-		
SPAN. PEN.	Corunna ...																				
	Lisbon ...	30.37	55	NNW	4	8	30.36	-1.10	54	48	+4	NNE	4	0	*	-	61	50	*	-	
	Azores (P. Delgada)	30.25	58	WSW	4	c	30.19	-1.09	59	58	+2	S	4	0	3	-	63	57	*	-	
" (Horta) ...	30.22	57	SW	2	0	30.10	-1.24	60	59	+7	S	5	0	3	-	63	53	*	0.16		

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR FRIDAY 20<sup>TH</sup> MARCH 1903.

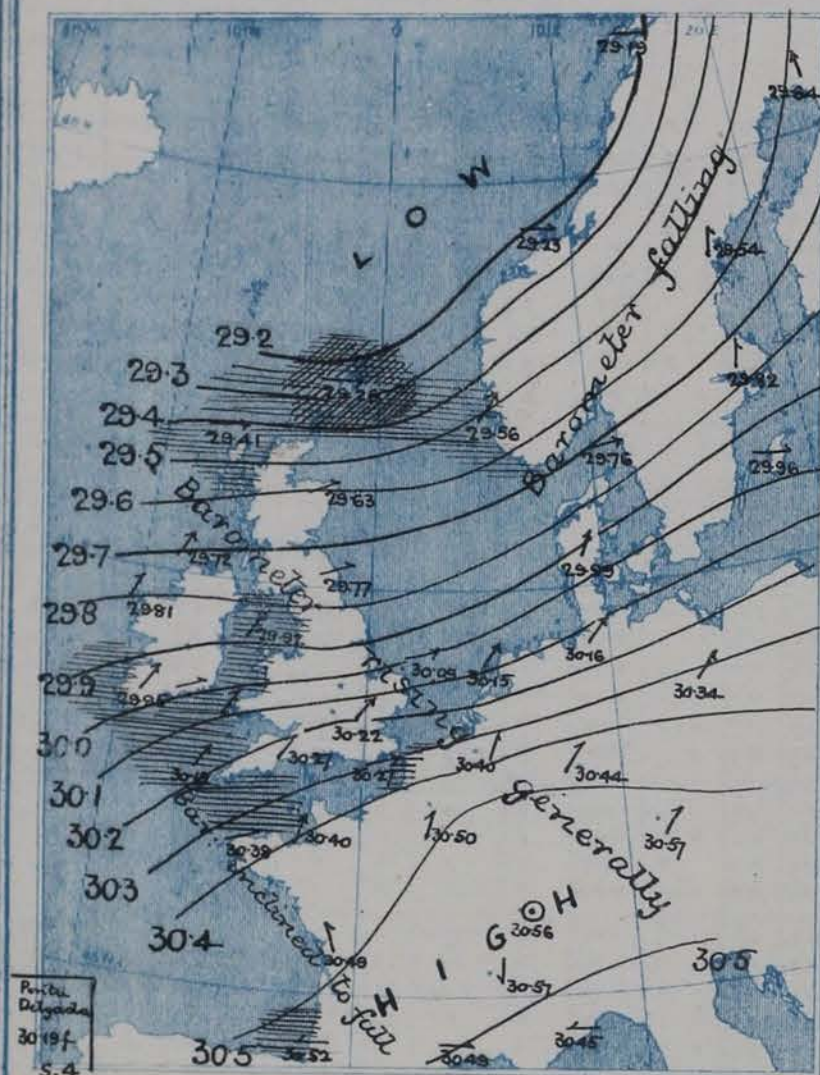
## I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉  
Force 8 to 10 → Force 1 to 4 →

SEA.—Rough High

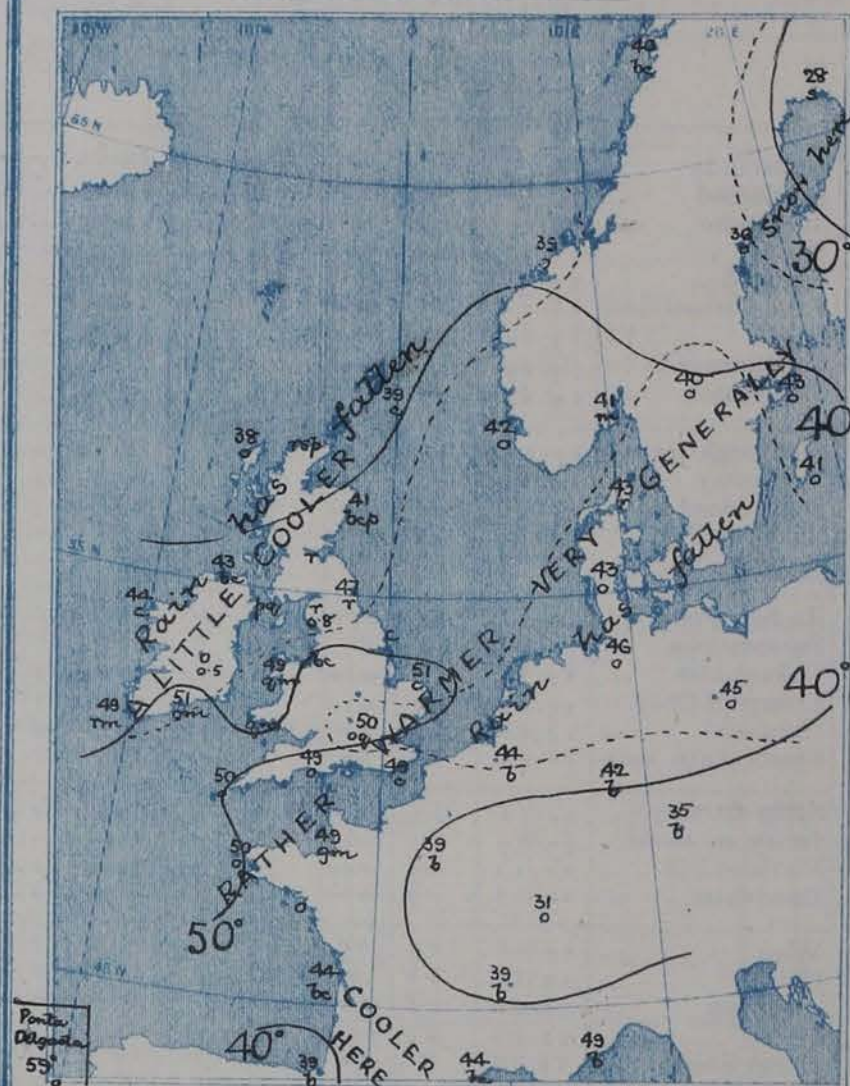


## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6



## III. BAROMETER AND WIND

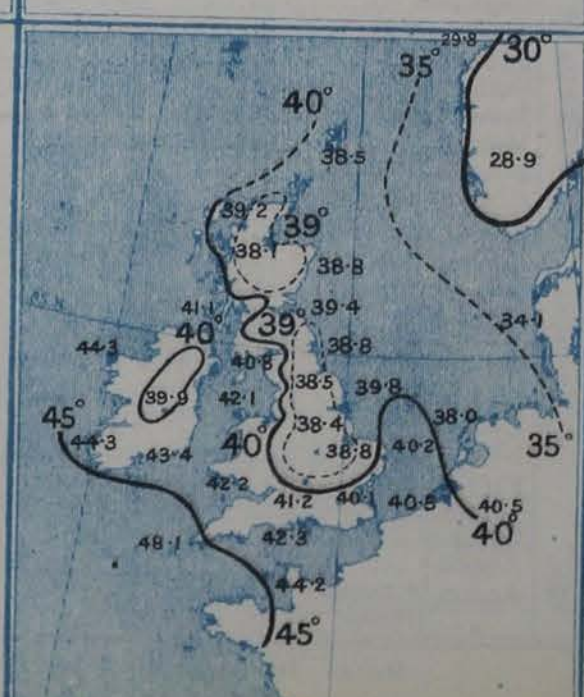
Yesterday morning.



## IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES combined for the month of MARCH (1871-1900)



## V. Means of DAILY TEMPERATURE at 8 A.M. for the monthly period MARCH (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Since yesterday morning the barometer has risen briskly over the southern part of our area and fallen a little in the north, so that gradients have become rather steep and very uniform. Pressure at present ranges from 30.5 ins. and above in an anticyclone extending from Spain to the east of France to less than 29.1 ins. in a cyclonic disturbance off our extreme northern coasts. There are also two other disturbances shown, — one over the south of Sweden, and the other over the Gulf of Genoa. The mercury is still falling in the Shetlands and the southwest of Norway, but is rising slowly in most other regions.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is fresh or strong from between W. and S.W. over our Islands generally but at Pembroke it has the force of a fresh gale. To the eastward of the North Sea it is more S.W., and in the northwest of Norway S.E. or E. Temperature has risen briskly over the United Kingdom, where it is now several degrees above the mean. Over France it has fallen decidedly and is low. At several of our southern stations and also at Shields it is about 50°, whence it decreases to 40° at Harbin and Stornoway, 35° at Paris, 30° at Belfort and Hernosand, and to 14° at Haparanda. Over Germany the readings vary from 36° to 39°. The sky is clear at many French and German stations, but cloudy or overcast generally. Rain is falling at Wisby, snow at Stockholm, and rain or passing showers in many British and Irish districts. The sea is high at Stornoway, rough or rather so except on our east coast.

The highest temperature recorded in the United Kingdom yesterday was 53° at Dungeness and the lowest readings of the sheltered thermometers during the night 34° at Harbin and Donaghadee, and 33° at Parsonstown. Bright sunshine was again very prevalent generally, but showers were experienced in all the more western and northern districts — at Parsonstown there was as much as 0.41 in., at Harbin 0.44 in., and at Stornoway 0.51 in. Rain fell also at most stations on the Continent, the largest amount being 0.47 in. at Fano. Lightning was observed during the night in several northern and northwestern localities.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance in the north will probably pass on to Scandinavia, but with the present type of pressure distribution it is likely to be followed shortly by other systems from the Atlantic. Rough, unsettled weather is consequently still to be expected over our Islands.

## FORECASTS \*

For the 24 hours ending at NOON on 20<sup>TH</sup> MARCH. 1903

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

0  $\overline{\pi}$  SCOTLAND  
NORTH

1  $\overline{\pi}$  SCOTLAND  
EAST

2 { ENGLAND  
N.E.

3 { ENGLAND  
EAST

4 { MIDLAND  
COUNTIES

5  $\overline{\pi}$  ENGLAND  
SOUTH

Fresh or strong W<sup>ly</sup> winds; some showers. Becoming cooler again.

S.W. and W<sup>ly</sup> winds, fresh or strong; fair generally, but showers locally.

6  $\overline{\pi}$  SCOTLAND  
WEST

7  $\overline{\pi}$  ENGLAND  
N.W.

8  $\overline{\pi}$  ENGLAND  
S.W.

9  $\overline{\pi}$  IRELAND  
NORTH

10  $\overline{\pi}$  IRELAND  
SOUTH

Same as Nos. 0 to 2.

Fresh or strong winds between S.W. and W. or N.W.; changeable, some showers of hail or rain. Becoming cooler again.

### WARNINGS

At 6.50 pm. yesterday to Districts 1, 7 and part of 0, "Re-hoist South Cone". The signals are still flying on all coasts except the east and northeast of England.

Note.—The South Cone, point downwards ( $\overline{\pi}$ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.  
The North Cone, point upwards ( $\pi$ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.						
	Bar. Ins.	Temp.	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	0	*	c, b	50	42	5.7	-
Newton Reigny (Penrith)	29.69	42	WSW 4	bc	29.63	+ .17	45	45	+ 10	SW 6	r	*	overly	46	35	5.7	0.30
Bath ... ..	30.05	47	SW 4	b	30.07	+ .34	48	46	+ 6	SW 5	r	*	-	50	42	8.0	0.06

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	48	33	ots, c, op	6.4	0.66	Eastbourne ... ..	*	*	*	7.0	*
Rhyl ... ..	*	*	*	8.2	*	Hastings ... ..	*	*	*	6.6	*
Llandudno ... ..	*	*	*	6.8	*	Lowestoft, to 6 p.m. ...	50	39	0, b	3.7	0.10
Aberystwyth, to 6 p.m. ...	48	42	c	7.5	0.30	Harrogate, to 6 p.m. ...	47	32	cs	4.7	0.59
Plymouth, to 9 p.m....	53	38	bc, og	8.1	0.42	Manchester, to 9 p.m. ...	47	33	rs, h, bc, cg	4.1	0.62
Worthing ... ..	*	*	*	7.6	*	Darwen, to 9 p.m. ...	42	31	rs, bc, am	5.2	0.63
Brighton ... ..	*	*	*	7.4	*	Birmingham, to 9 p.m. ...	Not received.				

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 18. Mch. 1903.	TEMPERATURE, F.		WEATHER.		RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.		RAIN.
	Max. °	Min. °					Max. °	Min. °			
Utrecht... ..	54	46	c	r	0.08	Tunis ... ..	68	46	o	o	Ins.
Madrid ... ..	64	43	o	o	—	Algiers ... ..	64	54	o	c	0.08
Vienna ... ..	46	41	o	c	—	Madeira (Funchal) ... ..	64	50	o	c	—
St. Petersburg ... ..	30	18	b	b	—						
Trieste ... ..	55	48	c	b	—						
Florence ... ..	59	47	b	b	—	17 Mch. 1903.	1 p.m.		1 p.m.		Measured 7 a.m.
Rome ... ..	62	48	o	b	0.08	Lugano ... ..	55	—	o		0.04
Corsica (I. Sanguinaires) ...	57	43	f	g	—	Davos ... ..	36	—	o		0.04
Naples ... ..	62	52	o	o	0.08	Lucerne ... ..	43	—	c		0.35
Palermo ... ..	68	52	r	o	0.28	Lausanne ... ..	46	—	b		0.32
Malta ... ..	61	54	?	bc	—						

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.  
\* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.† (W.E.T.)	6 p.m.†
Holland ... ..	8 a.m. ( " " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France ... ..	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Horta ... ..	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

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

19 Mch. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6.0	12.1	6.2
Greenwich ... ..	6.7	12.8	6.9
Wick ... ..	6.20	12.20	6.20
Valencia ... ..	6.48	12.49	6.50

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TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.  
" Weekly " " " " £1 10 0 " Single Copies, 6d.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on Saturday, 21<sup>st</sup> March, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.	
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M.S.L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)				Max.	Min.			
																					Ins.
SCANDINAVIA.	Haparanda ...	29.14	33	SSE	6	0	29.37	- .27	29	28	+ 1	SW	4	bc	*	-	34	21	*	0.24	
	Hernösand ...	29.45	30	Z	0	7	29.67	+ .13	35	33	- 1	Z	0	bc	*	-	45	30	*	0.08	
	Stockholm ...	29.71	44	SW	4	bc	29.89	+ .07	39	35	- 4	W	4	bc	*	-	46	37	*	-	
	Wisby ...	29.91	43	W	6	0	30.00	+ .04	39	37	- 2	W	2	bc	*	-	45	34	*	-	
	Karlstad ...	29.75	39	SW	4	bc	29.92	+ .23	36	35	- 4	SW	2	bc	*	-	45	34	*	-	
	Færder (X'ania Fjord)	29.76	41	SW	6	bc	29.90	+ .31	38	37	- 3	SSW	4	bc	3	-	41	37	*	-	
	Bodö ...	28.92	41	SW	6	7	29.27	+ .08	36	35	- 4	SSW	4	c	2	-	41	34	*	-	
	Christiansund ...	29.43	36	WSW	6	S	29.60	+ .37	37	35	- 2	WSW	6	r	5	-	39	34	*	0.32	
	Skudesnaes ...	29.80	41	W	4	C	29.88	+ .32	40	40	- 2	SSW	6	m	4	o,c	43	39	*	-	
		Sumburgh Head ...	29.52	39	W	4	bc	29.56	+ .30	42	41	+ 3	SSW	4	o	6	bc,sp	42	34	*	0.52
BRITISH ISLANDS.	Stornoway ...	29.62	41	WSW	5	o	29.45	+ .04	42	41	+ 4	S	6	o	6	bc,sp	44	33	5.6	0.24	
	Malin Head ...	29.79	42	SW	7	cpq	29.57	- .15	48	48	+ 5	SW	6	omp	4	cpq	48	42	*	0.14	
	Blacksod Pt. ...	29.83	45	SSW	4	rm	29.57	- .24	50	48	+ 6	SSW	7	ogpm	5	ogpm,rm	50	43	*	0.37	
	Valencia ...	29.97	51	SSW	4	om	29.74	- .21	51	50	+ 2	S	5	og	6	ogm,om	54	48	0.3	0.73	
	Roche's Point ...	30.03	49	WSW	5	cmp	29.86	- .14	49	49	- 2	SW	7	om	6	cmp,g	53	48	*	0.11	
	Parsonstown ...	29.93	50	SW	3	C	29.75	- .14	51	49	+ 3	S	6	og	5	or,c	51	46	0.0	0.16	
	Donaghadee ...	29.90	45	SW	3	7	29.75	- .04	47	47	+ 1	SW	4	rgg	4	-	50	43	*	0.14	
	Liverpool Obsy. ...	30.02	49	WSW	6	C	29.98	+ .08	48	45	- 3	SSW	4	o	3	-	54	47	*	-	
	Holyhead ...	30.01	48	SW	7	ogm	29.92	- .00	46	46	- 3	SSW	7	g	6	ogm	50	46	*	0.05	
	Pembroke (St. Ann's)	30.14	49	SW	7	o	30.00	- .10	48	46	- 1	SSW	7	cg	6	og,g	51	46	2.3	-	
GERMANY, &c.	Scilly (St. Mary's)...	30.20	51	SSW	5	om	30.07	- .12	49	47	- 1	S	6	C	6	c,om	53	47	0.3	-	
	Jersey (St. Aubins)...	30.39	50	SW	4	ogm	30.31	- .09	46	44	- 3	SSE	4	bc	3	ogm,g	54	43	0.8	-	
	Portland Bill ...	30.29	49	WSW	4	C	30.23	- .04	46	44	- 3	SW	4	C	4	C	51	43	*	-	
	Dungeness ...	30.31	49	WSW	6	C	30.31	+ .04	48	47	- 1	SW	4	bc	2	bc,c	52	46	*	-	
	Wick ...	29.65	39	NW	4	bc	29.51	+ .04	42	41	+ 5	S	4	ru	3	-	43	30	*	0.05	
	Nairn ...	29.73	38	W	2	C	29.53	- .00	42	41	+ 4	Z	0	C	1	-	48	36	*	0.05	
	Aberdeen ...	29.79	43	SW	3	bc	29.63	- .00	44	43	+ 3	SSE	4	ogmpg	3	bc	50	38	7.7	0.01	
	Leith ...	29.83	49	WSW	2	o	29.66	- .05	50	47	+ 6	SSW	4	cgf	*	C	50	41	*	0.15	
	North Shields ...	29.89	49	WSW	2	7	29.86	+ .09	48	46	+ 1	SW	3	o	2	r,c,r	52	41	*	0.19	
		Spurn Head ...	30.02	50	SW	6	C	30.05	+ .13	48	47	- 1	SW	4	C	3	-	55	44	*	-
FRANCE.	Yarmouth ...	30.14	54	WSW	4	C	30.17	+ .08	49	48	- 2	SW	5	C	4	bc,c	57	45	*	-	
	Loughborough ...	30.24	50	SW	3	o	30.19	+ .01	47	43	- 3	SW	2	C	*	c,opd	55	46	*	-	
	Oxford ...	30.24	51	WSW	6	bcg	30.23	+ .01	48	44	- 2	WSW	4	bc	*	bc,o	58	46	1.5	-	
	London (Brixton)...	30.24	51	WSW	6	bcg	30.23	+ .01	48	44	- 2	WSW	4	bc	*	bc,o	58	46	1.5	-	
	The Scaw (Skagen)	29.90	41	WNW	5	m	29.99	+ .23	39	39	- 4	WSW	3	bc	1	-	46	37	*	0.20	
	Fanö ...	30.09	43	SSW	6	o	30.14	+ .15	42	41	- 1	SW	3	C	*	-	46	42	*	0.08	
	Cuxhaven ...	30.23	49	SW	4	o	30.25	+ .09	46	45	0	SW	3	o	*	-	52	45	*	-	
	The Helder ...	30.19	47	SW	6	o	30.24	+ .09	47	44	0	SW	3	o	3	-	50	46	*	-	
	Brussels ...	*	*	*	*	*	30.39	- .01	47	43	+ 3	SSW	4	C	*	-	54	44	*	-	
	Berlin ...	30.36	51	SW	2	o	30.37	+ .03	49	45	+ 4	SW	2	o	*	-	54	45	*	-	
SPAN. PEN.	Frankfurt ...	30.43	48	SW	2	bc	30.49	+ .05	39	37	- 3	SW	2	bc	*	-	57	37	*	-	
	Munich ...	30.52	41	NE	2	bc	30.52	- .05	37	35	+ 2	SW	3	bc	*	-	52	34	*	-	
	C. Gris Nez ...	30.32	48	SW	5	o	30.34	+ .02	46	44	- 1	SSW	4	bc	4	-	50	45	*	-	
	Brest ...	30.38	50	SW	3	o	30.23	- .15	49	47	- 1	S	4	C	4	-	?	?	*	-	
	Lorient ...	30.43	50	SW	3	o	30.31	- .14	44	44	- 6	SSE	4	bc	3	-	57	43	*	-	
	Rocheport ...	30.41	51	N	3	bc	30.33	- .16	44	48	0	SE	3	bc	*	bc	63	41	*	-	
	Biarritz ...	30.40	61	ENE	3	bc	30.36	- .16	55	49	+ 16	S	2	bc	5	-	64	39	*	-	
	Paris ...	30.48	50	W	2	o	30.43	- .07	32	32	- 7	Z	0	bc	*	-	53	31	*	-	
	Belfort ...	30.47	49	W	4	bc	30.49	- .07	38	35	+ 7	NW	2	m	*	-	64	31	*	-	
	Lyons ...	30.52	49	NE	1	bc	30.53	- .04	37	35	- 2	ESE	1	bc	*	-	57	33	*	-	
Nice ...	30.48	49	Z	0	bc	30.52	+ .07	48	43	- 1	E	1	bc	1	-	61	45	*	-		
Perpignan ...	30.46	52	Z	0	bc	30.47	- .02	39	39	- 5	SW	1	bc	*	-	62	35	*	-		
SPAN. PEN.	Corunna ...																		*	-	
	Lisbon ...																		*	-	
	Azores (P. Delgada)																		*	-	
SPAN. PEN.	„ (Horta) ...	30.04	61	S	5	o	29.98	- .12	61	59	+ 1	SW	5	o	4	-	64	60	*	-	

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR SATURDAY, 21<sup>st</sup> MARCH, 1903.

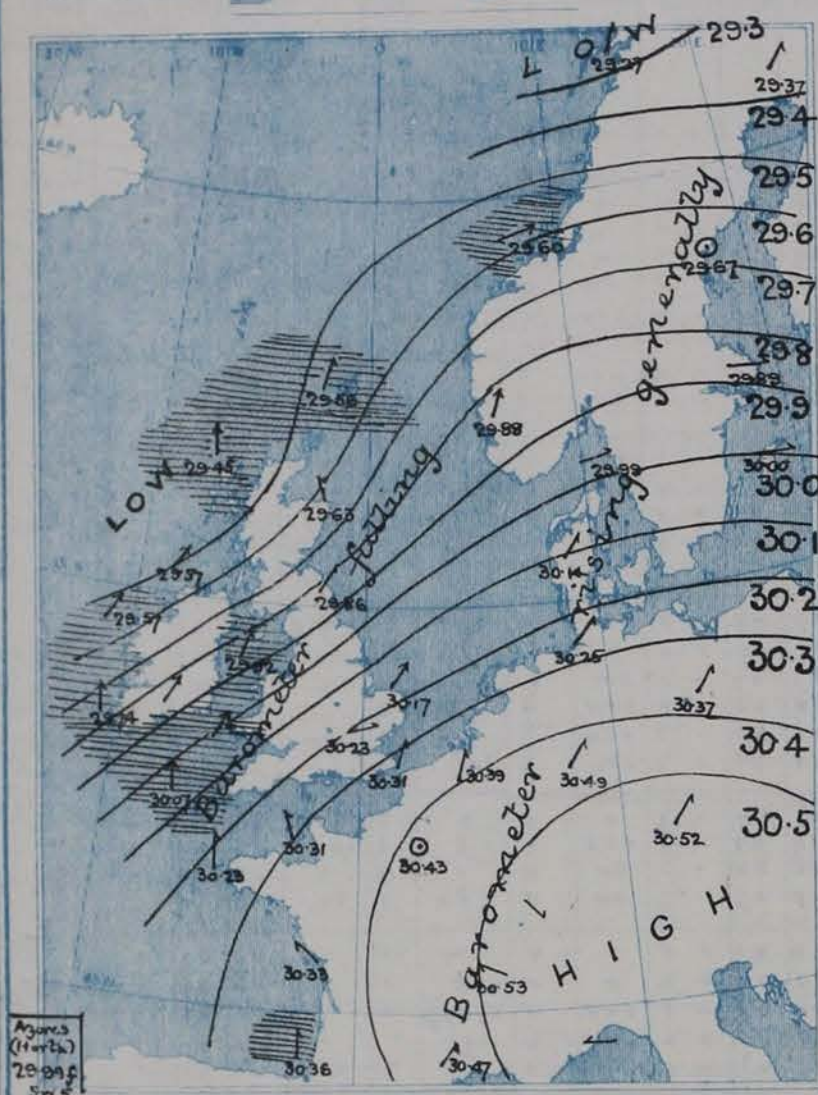
## I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉  
Force 8 to 10 → Force 1 to 4 →

SEA.—Knots → High →

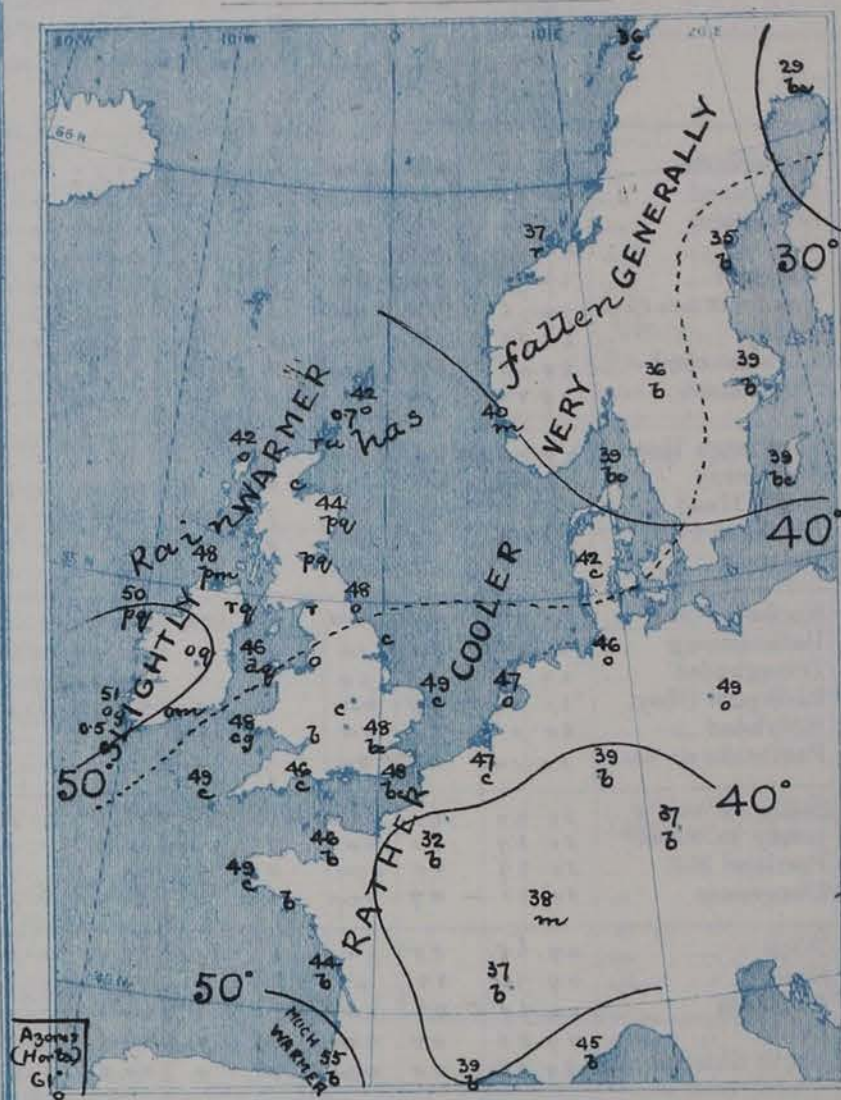


## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6



## III. BAROMETER AND WIND

Yesterday morning.



## IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES combined for the month of MARCH (1871-1900)



## V. Means of DAILY TEMPERATURE at 8 A.M. for the monthly period MARCH (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Barometrical pressure now ranges from 30.5 ins. and upwards in an anticyclone stretching from Spain northeastwards to South Germany, to 29.2 ins. and less in a large cyclonic disturbance lying off the west of Norway. The mercury is rising at present over the greater part of the Kingdom, but is inclined to fall again in the Scilly Isles. Gradients are still steep or rather so over all the more northern parts of our area; over France they have become very slight.

### WIND

The wind continues to blow freshly or strongly from between W. and S.W. over our Islands and their neighbourhood, and from between S.W. and S. in Denmark and Scandinavia; at Liverpool and on the coast of Wales there is a moderate to fresh gale.

### TEMPERATURE

Temperature has fallen in Scotland and the north of Ireland, where it is now about equal to the normal. Over England and the south of Ireland it continues several degrees above the mean. The readings range from 51° at Liverpool, Roches Point, and Yarmouth, to 43° at Malin Head, 41° at Aberdeen, and to 37° at Wick. At most continental stations the temperature has risen, but has fallen a few degrees in the south of France. The lowest values reported are 31° at Belfort and 28° at Haparanda, and the highest 50° in Brittany and 49° at Nice.

### WEATHER

### AND

### SEA

The weather remains in a very unsettled condition generally, but the sky is still clear in France, south Germany, and the Netherlands. Showers or steady rain prevail in many parts of our Islands, and also in the north of Denmark, and snow in the extreme north of Sweden. The sea is high at Dumburg Head, rough or rather so in the north and west generally, slight on our east coast.

During yesterday the temperature exceeded 50° at nearly all our stations and touched 56° at North Shields. The night was mild except in Scotland. Rain was experienced very generally in the north and west, and also in a few southern localities at Leith there was 0.4 in., at Parsonstown 0.5 in., and at Newton Reigny 0.8 in. Bright sunshine was very little prevalent generally, but Aberdeen had as much as 7.5 hrs.



### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of any great change in the conditions now prevailing. The downward tendency of the barometer at Scilly probably points to the approach of a secondary disturbance which will cause further rain and strong winds in our southwestern and southern districts.

## FORECASTS \*

For the 24 hours ending at NOON on 21<sup>st</sup> MARCH, 1903

DISTRICTS.		FORECASTS.	
0	⌈ SCOTLAND NORTH	{	W <sup>ly</sup> to SW <sup>ly</sup> winds, fresh or strong in places; unsettled, rain or sleet showers.
1	⌈ SCOTLAND EAST		
2	{ ENGLAND N.E.		
3	{ ENGLAND EAST	{	SW <sup>ly</sup> and W <sup>ly</sup> winds, fresh or strong generally; changeable, some showers. Mild.
4	{ MIDLAND COUNTIES		
5	⌈ ENGLAND SOUTH		
DISTRICTS.		FORECASTS.	
6	{ SCOTLAND WEST	{	Same as Nos. 0 and 1.
7	⌈ ENGLAND N.W.		
8	⌈ ENGLAND S.W.		SW <sup>ly</sup> to W <sup>ly</sup> winds, fresh or strong; rain or hail showers, some fair intervals.
9	⌈ IRELAND NORTH		
10	⌈ IRELAND SOUTH		
WARNINGS		At 7.10pm. yesterday to Dists. 5 and 8, "Rehoist South Cone". The signals are still flying in Dists. 1, 7, 10 and parts of 0 and 9.	

Note.—The South Cone, point downwards (  ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.  
The North Cone, point upwards (  ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	c	*	0.2	51	47	2.5	-
Newton Reigny (Penrith)	29.71	48	SW 7	7	29.76	+ .13	45	45	0	SW 6	7	*	0.07	52	45	3.4	0.81
Bath ... ..	30.15	52	SW 7	8	30.19	+ .12	50	47	+ 2	SW 6	8	*	-	56	48	1.2	0.05

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m. ...	55	45	op, c, o	1.3	0.05	Eastbourne ... ..	*	*	*	0.0	*
Rhyl ... ..	*	*	*	3.0	*	Hastings ... ..	*	*	*	0.0	*
Llandudno ... ..	*	*	*	2.5	*	Lowestoft, to 6 p.m. ...	56	41	o, c	1.3	-
Aberystwyth, to 6 p.m. ...	51	48	o	0.0	-	Harrogate, to 6 p.m. ...	53	41	o, c, r	3.6	0.16
Plymouth, to 9 p.m. ...	53	48	pg, bc	2.1	0.06	Manchester, to 9 p.m. ...	52	43	og, p, g	0.0	0.08
Worthing ... ..	*	*	*	0.5	*	Darwen, to 9 p.m. ...	51	40	op, m, omu	0.0	0.32
Brighton ... ..	*	*	*	0.8	*	Birmingham, to 9 p.m. ...	58	37	o, d	0.2	0.05

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 19 March 1903.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Utrecht ... ..	43	36	c o	Ins.	Tunis ... ..	66	43	c o	Ins.
Madrid ... ..	66	43	o b	-	Algiers ... ..	66	55	c o	-
Vienna ... ..	55	37	b o	0.39	Madeira (Funchal) <i>not rec'd</i>				
St. Petersburg ... ..	28	18	b o	-					
Trieste ... <i>not rec'd</i>					18 March 1903.	1 p.m.		1 p.m.	Measured 7 a.m.
Florence ... ..	64	46	b o	-	Lugano ... ..	61	-	b	-
Rome ... ..	64	47	c o	-	Davos ... ..	43	-	b	-
Corsica (I. Sanguinaires) ...	63	45	2 2	-	Lucerne ... ..	50	-	o	0.08
Naples ... ..	61	49	bc o	-	Lausanne ... ..	46	-	o	-
Palermo ... ..	66	45	b b	0.04					
Malta ... ..	60	55	? bc	0.08					

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (haz); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corres- ponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corres- ponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.†
Holland ... ..	8 a.m. ( " " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France ... ..	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores (Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
(Horta ... ..)	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

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

20 March 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	5.58	12.1	6.3
Greenwich ... ..	6.5	12.8	6.10
Wick ... ..	6.18	12.20	6.21
Valencia ... ..	6.46	12.49	6.51

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on

SUNDAY 22<sup>ND</sup> MARCH.

1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.	YESTERDAY EVENING. (See note on last page.)						THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
	BAROM.	TEMP.	WIND.		Weather.	Sea (0 to 9.)	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.	
	At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)			At 32° Fabr. and M.S.L.	Change since yester- day.	Dry Bulb.	Wet Bulb.	Change since yester- day.	Direc.	Force (0 to 12.)				Max.	Min.			
	Ins.	°					Ins.	Ins.	°												
SCANDINAVIA.	Haparanda ...	29.52	30	WSW	4	b	29.38	+0.1	28	27	-1	S	2	b	*	-	30	27	*	-	-
	Hernösand ...	29.69	38	Z	0	o	29.45	-2.2	37	35	+2	Z	0	o	*	-	48	27	*	-	-
	Stockholm ...	29.88	43	S	2	r	29.73	-1.6	45	43	+6	SSW	2	o	*	-	48	36	*	-	-
	Wisby ...	30.03	43	W	2	c	29.91	-0.9	42	39	+3	S	4	o	*	-	45	34	*	-	-
	Karlstad ...	29.85	40	SW	6	o	29.69	-2.3	40	39	+4	SSW	6	o	*	0.1	*	*	*	0.08	-
	Færder (X'ania Fjord)	29.80	40	SSW	6	m	29.60	-3.0	41	41	+3	SSW	6	m	4	-	41	37	*	-	-
	Bodö ...	29.41	35	S	4	m	29.27	-0.0	35	33	-1	E	4	b	1	-	37	32	*	-	-
	Christiansund ...	29.49	41	WSW	3	bc	29.13	-4.7	46	43	+9	WSW	6	+	5	-	46	36	*	0.35	-
	Skudesnaes ...	29.72	42	S	6	o	29.55	-3.3	43	42	+3	S	8	o	5	+	43	39	*	-	-
	Sumburgh Head	29.40	44	S	4	r	29.24	-3.2	45	43	+3	SW	3	bc	6	0.1	46	42	*	0.28	-
BRITISH ISLANDS.	Stornoway ...	29.18	50	SW	7	r	29.26	-1.9	44	40	+2	SW	6	o	6	+	50	40	0.0	0.66	-
	Malin Head ...	29.31	53	SW	8	ogp	29.44	-1.3	42	41	-6	SW	7	o	4	0.09p	53	42	*	0.13	-
	Blackod Pt. ...	29.58	52	S	7	opgm	29.57	-1.7	52	51	+1	S	6	ogm	6	ogpm	54	49	0.0	0.30	-
	Valencia ...	29.58	52	S	7	opgm	29.57	-1.7	52	51	+1	S	6	ogm	6	ogpm	54	49	0.0	0.30	-
	Roche's Point ...	29.73	51	SSW	6	o	29.71	-1.5	51	51	+2	SSW	6	om	5	om, o	52	48	*	0.03	-
	Parsonstown ...	29.61	54	SW	7	ty	29.57	-1.8	51	51	+3	SW	7	og	*	og, ty	58	50	0.3	-	-
	Donaghadee ...	29.59	50	SW	6	og	29.56	-1.9	46	46	-1	SSW	2	tg	1	-	52	44	*	0.17	-
	Liverpool Obsy. ...	29.86	52	SW	5	o	29.83	-1.5	55	50	+7	SSW	4	o	3	p, o	56	48	*	0.04	-
	Holyhead ...	29.81	48	SSW	8	fdq	29.74	-1.8	49	48	+3	SW	7	ogm	5	o, fdq	49	46	*	0.07	-
	Pembroke (St. Ann's)	29.90	49	SSW	7	m	29.88	-1.2	50	49	+2	SW	7	bcq, m	5	-	51	46	0.0	0.01	-
GERMANY, &c.	Scilly (St. Mary's)...	30.01	51	SSW	6	om	29.95	-1.2	51	50	+2	SSW	6	c	6	o, om	53	47	0.3	-	-
	Jersey (St. Aubins)...	30.21	57	S	3	b	30.24	-0.7	49	48	+3	SSW	5	bm	4	b, w	60	46	10.3	0.01	-
	Portland Bill ...	30.14	50	SW	3	bc	30.11	-1.2	49	48	+3	SW	4	c	3	bc	52	45	*	-	-
	Dungeness ...	30.22	50	SW	3	b	30.17	-1.4	49	48	+1	WSW	5	o	2	b	54	47	*	-	-
	Wick ...	29.25	46	SW	5	c	29.31	-2.0	45	43	+3	WNW	4	bc	3	-	50	36	*	0.06	-
	Nairn ...	29.32	53	SW	4	bc	29.38	-1.5	44	42	+2	WSW	3	c	2	-	55	40	*	0.13	-
	Aberdeen ...	29.52	45	SE	3	o	29.46	-1.7	47	44	+3	E	3	o	3	ogpmo	53	43	0.2	0.02	-
	Leith ...	29.55	53	WSW	4	o	29.47	-1.9	48	47	-2	W	2	op	*	-	56	42	*	0.10	-
	North Shields ...	29.76	48	S	4	o	29.67	-1.9	54	52	+6	SW	4	o	2	o	54	46	*	-	-
	Spurn Head ...	29.93	51	SSW	5	bc	29.90	-1.5	52	51	+4	SSW	6	b	4	-	55	46	*	-	-
FRANCE.	Yarmouth ...	30.09	54	SW	5	bc	30.04	-1.3	50	47	+1	SW	5	bc	4	c, bc	57	44	*	-	-
	Loughborough ...	30.09	50	SSW	5	b	30.06	-1.3	51	49	+4	S	4	bcq	*	-	55	47	*	-	-
	Oxford ...	30.09	50	SSW	5	b	30.06	-1.3	51	49	+4	S	4	bcq	*	-	55	47	*	-	-
	London (Brixton)...	30.14	51	WSW	5	b	30.14	-0.9	50	48	+2	WSW	6	o	*	-	57	46	5.8	-	-
	The Scaw (Skagen)	29.93	43	WSW	4	m	29.79	-2.0	43	42	+4	WSW	4	m	1	-	45	39	*	-	-
	Fanö ...	30.08	43	SSW	4	b	29.99	-1.5	45	43	+3	SSW	5	c	*	-	45	42	*	-	-
	Cuxhaven ...	30.22	49	SW	2	c	30.15	-1.0	45	42	-1	SW	3	b	*	-	50	43	*	-	-
	The Helder ...	30.14	47	SW	5	bc	30.09	-1.5	49	47	+2	SW	5	b	3	-	50	46	*	-	-
	Brussels ...	30.27	51	SSW	4	b	30.27	-1.2	51	45	+4	SSW	4	b	*	-	59	45	*	-	-
	Berlin ...	30.33	49	SSW	1	b	30.31	-0.6	42	40	-7	S	2	b	*	-	57	39	*	-	-
SPAN. PEN.	Frankfurt ...	30.35	49	SW	2	b	30.40	-0.9	40	37	+1	SW	2	b	*	-	59	39	*	-	-
	Munich ...	30.46	44	SW	2	b	30.51	-0.1	43	39	+6	SW	4	b	*	-	59	37	*	-	-
	C. Gris Nez ...	30.17	51	SSW	4	b	30.17	-1.3	47	45	+1	SSW	4	b	3	-	54	46	*	-	-
	Brest ...	30.20	52	S	4	o	30.17	-0.6	51	51	+2	S	4	c	4	-	54	50	*	-	-
	Lorient ...	30.25	53	S	3	bc	30.26	-0.5	50	50	+6	S	4	b	4	-	57	44	*	-	-
	Rochefort ...	30.29	55	SSW	3	b	30.30	-0.3	47	45	+3	SE	3	b	*	b	64	41	*	-	-
	Biarritz ...	30.33	64	Z	0	b	30.35	-0.1	59	55	+4	S	3	b	3	-	72	48	*	-	-
	Paris ...	30.32	59	SW	2	b	30.36	-0.7	44	41	+12	SSW	3	b	*	-	66	32	*	-	-
	Belfort ...	30.38	57	W	2	m	30.44	-0.5	48	41	+10	W	3	m	*	-	63	38	*	-	-
	Lyons ...	30.40	57	ESE	1	b	30.48	-0.5	46	42	+9	S	1	b	*	-	66	37	*	-	-
SPAN. PEN.	Nice ...	30.53	50	Z	0	b	30.50	-0.2	50	45	+2	E	1	b	0	-	59	43	*	-	-
	Perpignan ...	30.43	54	S	3	b	30.47	-0.0	43	42	+4	SW	1	b	*	-	64	39	*	-	-
	Corunna ...	30.32	57	WNW	1	b	30.49	+1.2	52	48	+5	SW	1	b	5	-	64	45	*	-	-
SPAN. PEN.	Lisbon ...	30.30	59	NNW	3	b	30.30	-0.4	58	53	0	NE	2	b	*	-	68	52	*	-	-
	Azores (P. Delgada)	30.01	60	SSW	5	b	29.82	-2.7	60	59	+1	SW	7	m	6	-	63	59	*	0.04	-
	„ (Horta) ...	29.88	61	SW	5	o	29.91	-0.7	47	45	-1.4	NW	5	+	3	-	64	46	*	0.16	-

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR *Sunday, 22<sup>nd</sup> March, 1903.*

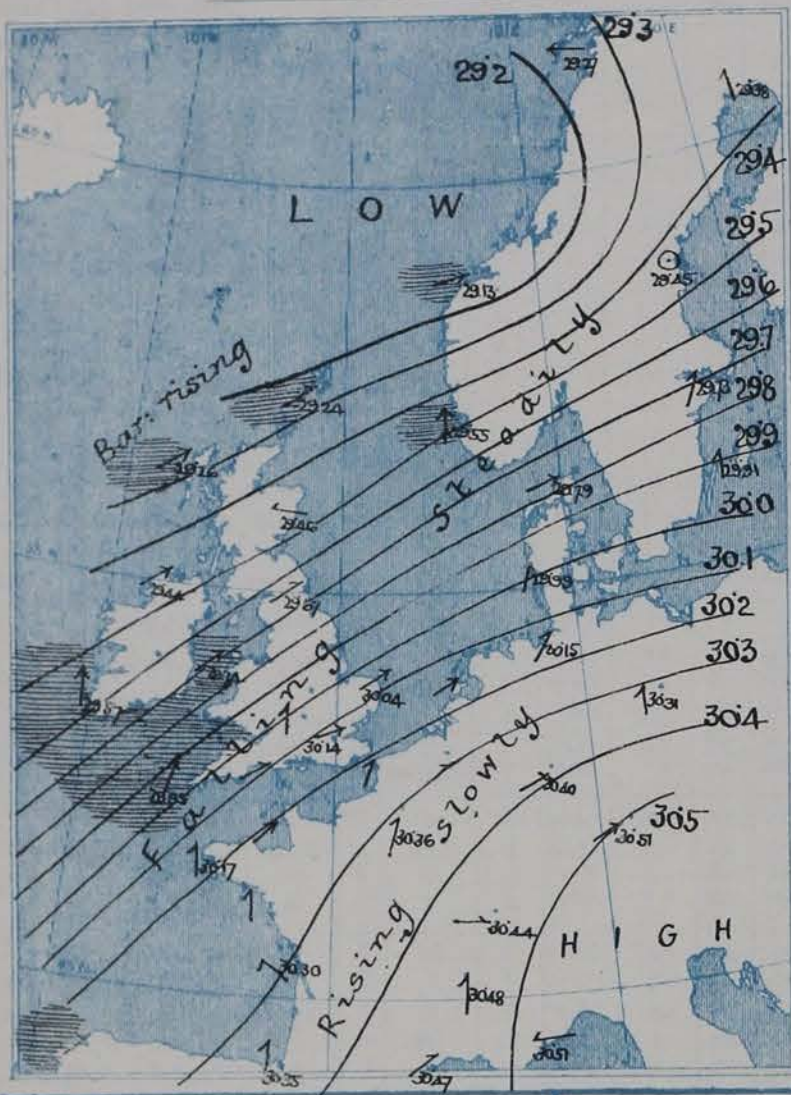
## I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉  
Force 8 to 10 → Force 1 to 4 →

SEA.—Rough High

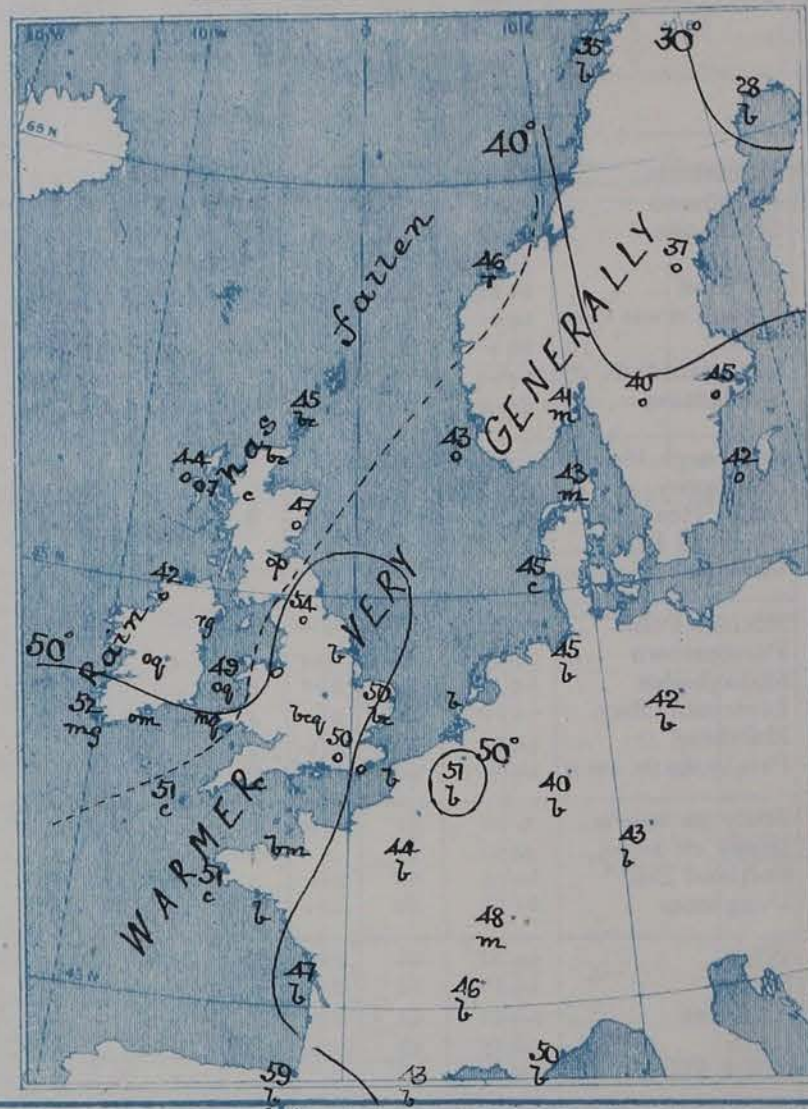


## II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

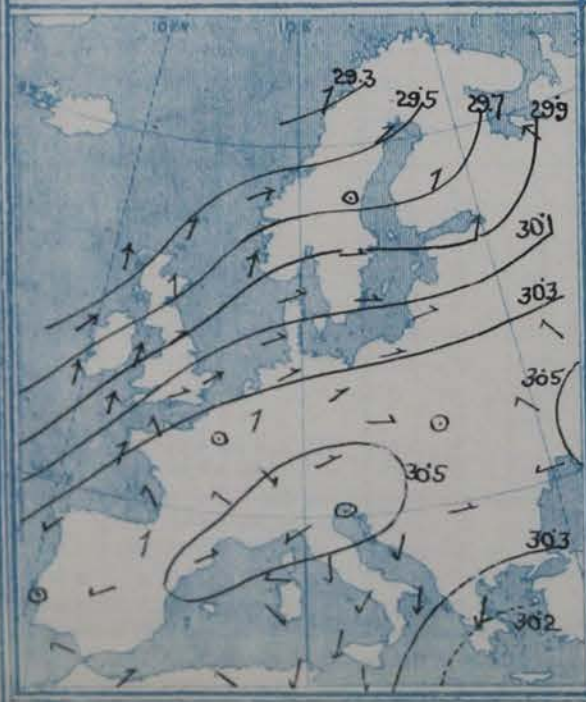
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus: 0.6



## III. BAROMETER AND WIND

*Yesterday morning.*



## IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES combined for the month of MARCH (1871-1900)



## V. Means of DAILY TEMPERATURE at 8 A.M. for the Two monthly period MARCH - APRIL (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The cyclonic disturbance shown in the north yesterday morning has travelled away to Lapland, but during the night another large and deep system has appeared off our north-west coasts and is causing a brisk fall of the barometer over our western and northern districts, while a steady rise is in progress over Scandinavia and Germany. The readings at present range from 30.4 in. to above 30.5 in. in an anticyclone extending from central Europe and Italy over South Germany to France, to 29.45 in. at Stornoway, and to 29.27 in. at Bodø. Gradients are rather steep over our western and northern districts, moderate or slight elsewhere.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is S<sup>W</sup> or SW<sup>W</sup> throughout the United Kingdom and its neighbourhood and blows strongly or with the force of a moderate gale on all our western coasts as well as on the west coast of Norway. Temperature has fallen somewhat at our more southern stations and also in most Continental localities, but has risen quickly at Biarritz. Over our Islands it is above the normal, ranging from 42° in the extreme north of Scotland to a little below or slightly above 50° elsewhere. The Continental values range from 55° at Biarritz to 32° at Paris, and from 49° at Berlin to 29° at Kopenhagen. The weather is cloudy or overcast in most parts of our Islands, with showers or steady rain in several western and northern localities. At most Continental stations the sky is clear, but overcast in North Germany, the Netherlands, and in the west of Norway; at Christiansund rain is falling. The sea is rough or rather so except off our east and south coasts.

The maximum temperatures recorded over our Islands yesterday were nearly all above 50°, the highest being 57° at Yarmouth and 58° in London. Rain was experienced in the north and west; at Valencia and Sumburgh Head the respective amounts were 0.73 in. and 0.52 in. Bright sunshine was deficient generally, but Aberdeen had nearly 8 hours, and Rhyl is reported to have had 9 hours.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance in the northwest is likely to move away in a N.E.<sup>W</sup> direction after causing an increase in the force of the wind in the west and north and some further falls of rain. With the present distribution of pressure, however, it will probably be very closely followed by other systems so that no great change in the general character of the weather is anticipated.

## FORECASTS \*

For the 24 hours ending at NOON on 22<sup>ND</sup> MARCH. 1903

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

S<sup>W</sup> and SW<sup>W</sup> winds, fresh or strong at times; mild, occasional rain.

SW<sup>W</sup> winds, moderate or fresh, stronger on coast; fair as a whole, but local showers not unlikely. Mild.



- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH

### WARNINGS

Same as Nos. 0 to 2.

S<sup>W</sup> and SW<sup>W</sup> strong winds or gales; mild, squally, rain at times.

At 7 p.m. yesterday to Districts 7, 9 and 10 "Rehorst South Cone". The signals are still flying in Districts 5 and 8.

Note.—The South Cone, point downwards (  ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone. The North Cone, point upwards (  ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page.



TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.							PAST 24 HOURS.					
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change					Max.	Min.		
Clacton-on-Sea ... ..	"	"	"	"	"	"	"	"	"	"	Se	"	C	52	46	1.1	-
Newton Reigny (Penrith)	29.86	46	SW 4	r	29.84	+ .08	45	44	0	SW 4	r	"	or	49	44	0.7	0.43
Bath ... ..	30.23	52	SW 5	8	30.18	- .01	48	45	- 2	S 3	8	"	-	56	46	2.1	-

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	54	48	o, c, o	1.6	-	Eastbourne ... ..	*	*	*	2.0	*
Rhyl ... ..	*	*	*	9.0	*	Hastings ... ..	*	*	*	1.3	*
Llandudno ... ..	*	*	*	0.3	*	Lowestoft, to 6 p.m. ...					
Aberystwyth, to 6 p.m. ...	51	48	o	0.0	-	Harrogate, to 6 p.m. ...	52	47	o c g r	0.7	
Plymouth, to 9 p.m....						Manchester, to 9 p.m. ...	53	48	o m r, b c	0.0	-
Worthing ... ..	*	*	*	1.7	*	Darwen, to 9 p.m. ...					
Brighton ... ..	*	*	*		*	Birmingham, to 9 p.m. ...	54	47	o, c p	1.4	-

STATIONS. 20 Mch 1903.	TEMPERATURE, F.		WEATHER.		RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.		RAIN.
	Max. °	Min. °					Max. °	Min. °			
Utrecht... ..	50	43	o	o	Ins.	Tunis ... ..	64	46	c	o	—
Madrid ... ..	66	34	b	b	0.04	Algiers ... ..	68	55	c	c	—
Vienna ... ..	50	39	b	c	—	Madeira (Funchal) <i>Not seen</i>					
St. Petersburg ... ..	28	19	o	o	—						
Trieste ... ..	59	45	b	b	—						
Florence ... ..	59	45	b	b	—	19... Mch 1903.	1 p.m.		1 p.m.		Measured 7 a.m.
Rome ... ..	62	46	b	o	—						
Corsica (I. Sanguinaires) ...	59	46	m	f	—	Lugano ... ..	61	—	b		—
Naples ... ..	55	48	b	b	—	Davos ... ..	36	—	b		0.04
Palermo ... ..	68	46	b	o	—	Lucerne ... ..	48	—	bc		0.32
Malta ... ..	61	54	?	o	—	Lausanne ... ..	48	—	b		0.28

**WEATHER.**—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	21. III., 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. ‡ (W.B.T.)	6 p.m. ‡				
Holland ... ..	8 a.m. ( " " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.	Yarmouth ... ..	5.56	12.0	6.4
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich ... ..	6.3	12.7	6.11
France ... ..	7 a.m. (Paris) ... ..	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick ... ..	6.16	12.19	6.23
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.	Valencia ... ..	6.44	12.48	6.52
Portugal ... ..	8 a.m. (Lisbon) ... ..	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.				
Azores { Point Delgada ...	6 a.m. (Local) ... ..	7.43 a.m.	9 p.m. (Local)	10.43 p.m.				
{ Horta ... ..	6 a.m. (Local) ... ..	7.55 a.m.	9 p.m. (Local)	10.55 p.m.				

**FORECASTS OF WEATHER** for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on *Monday, 23<sup>rd</sup> March, 1903.*

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. *W. N. SHAW, Secretary.*

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)											PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.	
		At 82° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)			At 82° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)				Max.	Min.			
																						Ins.
SCANDINAVIA.	Haparanda ...	29.01	32	SW	4	2	29.00	- .38	30	28	+ 2	W	2	2c	-	-	34	23	*	0.16		
	Hernösand ...	29.32	37	Z	0	2	29.24	- .21	44	40	+ 7	W	2	2c	-	-	48	32	*	-		
	Stockholm ...	29.60	51	SW	6	0	29.51	- .22	50	47	+ 5	SW	8	0	-	-	52	32	*	-		
	Wisby ...	29.81	47	S	2	2	29.73	- .18	46	44	+ 4	SW	6	0	-	-	50	37	*	-		
	Karlstad ...	29.55	43	SW	6	0	29.55	- .14	46	44	+ 6	SW	4	0	-	-	*	*	*	-		
	Færder (X'iania Fjord)	29.60	41	SSW	6	m	29.52	- .08	41	40	0	SSW	6	m	4	-	43	41	*	-		
	Bodö ...	28.99	33	E	4	5	28.88	- .39	39	37	+ 4	SW	6	r	4	-	39	33	*	-		
	Christiansund ...	29.24	44	WSW	7	0	29.26	+ .13	41	37	- 5	WSW	5	0	5	-	?	36	*	0.55		
	Skudesnaes ...	29.51	44	S	6	0	29.45	- .10	43	42	0	S	8	r	5	-	45	41	*	*		
	Sumburgh Head ...	29.19	44	SW	4	0	29.17	- .07	43	42	- 2	SW	4	0	6	0c	46	39	*	0.06		
BRITISH ISLANDS.	Stornoway ...	29.26	45	WSW	7	0g	29.18	- .08	43	41	- 1	WSW	5	0	5	0g	47	39	0.8	0.28		
	Malin Head ...	29.48	45	SW	7	0pg	29.35	- .09	38	38	- 4	SW	5	r	4	0g	49	37	*	0.14		
	Blacksod Pt. ...	29.54	45	N	1	rm	29.55	- .02	41	40	- 11	WNW	2	0	5	rm	53	38	0.0	1.02		
	Valencia ...	29.54	45	N	1	rm	29.55	- .02	41	40	- 11	WNW	2	0	5	rm	53	38	0.0	1.02		
	Roche's Point ...	29.66	51	S	7	om	29.47	- .24	41	40	- 10	NNW	4	0	3	om	52	40	*	0.23		
	Parsonstown ...	29.61	45	W	1	r	29.48	- .09	34	33	- 20	W	1	08	*	0g,or	58	33	0.0	1.28		
	Donaghadee ...	29.59	49	SW	3	or	29.36	- .20	40	40	- 6	NNE	3	or	3	-	49	39	*	0.75		
	Liverpool Obsy. ...	29.77	55	SW	7	0	29.54	- .19	54	50	- 1	S	5	0	4	-	59	52	*	-		
	Holyhead ...	29.73	49	SW	8	gdm	29.45	- .29	49	48	0	SSW	9	rgm	7	dg,rm	50	47	*	0.11		
	Pembroke (St. Ann's) ...	29.84	50	SW	7	0	29.56	- .32	51	50	+ 1	SSW	8	0g	7	0g,rm	51	49	2.5	-		
GERMANY, &c.	Scilly (St. Mary's) ...	29.89	53	SSW	6	c	29.64	- .31	52	51	+ 1	SSW	7	0	6	c	55	50	3.7	-		
	Jersey (St. Aubins) ...	30.12	57	S	4	2m	29.95	- .29	51	48	+ 2	SE	5	0g	4	2,2m,w	61	48	10.0	-		
	Portland Bill ...	30.06	51	SSW	3	2c	29.85	- .26	50	48	+ 1	SSW	4	c	4	2c	54	48	*	-		
	Dungeness ...	30.10	54	WSW	4	2	29.94	- .23	51	49	+ 2	S	5	2w	2	2	55	47	*	-		
	Wick ...	29.34	44	WNW	5	0	29.22	- .09	42	40	- 3	S	4	0	3	-	48	40	*	0.03		
	Nairn ...	29.37	46	SW	4	0	29.27	- .11	41	38	- 3	W	1	c	1	-	51	38	*	-		
	Aberdeen ...	29.44	51	SW	4	2c	29.34	- .12	41	40	- 6	SW	3	orm	2	2c,2c	52	40	0.7	0.04		
	Leith ...	29.49	51	SW	6	r	29.30	- .17	42	41	- 6	NW	1	r	*	-	57	39	*	0.38		
	North Shields ...	29.65	56	SW	5	c	29.45	- .22	52	49	- 2	SW	4	c	2	-	60	50	*	-		
	Spurn Head ...	29.84	56	SSW	5	2c	29.68	- .22	49	49	- 3	SSW	6	2c	3	-	62	47	*	-		
FRANCE.	Yarmouth ...	29.97	61	SW	5	2c	29.84	- .20	53	48	+ 3	SSW	5	2c	4	2c	61	46	*	-		
	Loughborough ...	30.00	52	SSW	3	2	29.79	+ .27	54	50	+ 3	SSW	4	2c	*	2g	61	48	*	-		
	Oxford ...	30.00	52	SSW	3	2	29.79	+ .27	54	50	+ 3	SSW	4	2c	*	2g	61	48	*	-		
	London (Brixton) ...	30.06	58	WSW	5	2	29.86	- .28	54	48	+ 4	SSW	5	2	*	0g,6.0	63	46	6.5	-		
	The Scaw (Skagen) ...	29.75	49	W	5	m	29.67	- .12	48	46	+ 5	W	5	m	1	-	52	43	*	-		
	Fanö ...	29.99	44	SSW	6	2	29.86	- .13	45	43	0	SSW	5	2	*	-	48	43	*	-		
	Cuxhaven ...	30.13	54	SW	3	2	30.00	- .15	50	46	+ 5	SSW	4	2	*	-	59	45	*	-		
	The Helder ...	30.06	50	SW	6	2	29.98	- .11	51	47	+ 2	SW	5	2	3	-	51	45	*	-		
	Brussels ...	*	*	*	*	*	30.10	- .17	?	46		SSE	4	2c	*	-	64	46	*	-		
	Berlin ...	30.22	55	Z	0	2	30.19	- .12	47	44	+ 5	SW	3	2	*	-	64	42	*	-		
SPAN. PEN.	Frankfurt ...	30.28	52	SW	2	2	30.29	- .11	43	40	+ 3	SW	2	2	*	-	68	40	*	-		
	Munich ...	30.43	51	SW	1	2	30.38	- .13	41	38	- 2	S	2	2	*	-	64	36	*	-		
	C. Gris Nez ...	30.12	53	S	3	2	29.99	- .18	48	46	+ 1	S	4	2	3	-	55	47	*	-		
	Brest ...	30.09	52	S	4	2c	29.90	- .27	52	52	+ 1	S	4	c	5	-	54	51	*	-		
	Lorient ...	30.16	54	S	3	2c	29.99	- .27	50	50	0	S	4	c	4	-	57	48	*	-		
	Rochefort ...	30.23	59	SSW	3	2	30.12	- .18	48	47	+ 1	SSE	5	2	*	-	68	46	*	-		
	Biarritz ...	30.25	67	S	3	2	30.18	- .17	60	56	+ 1	SSW	4	2	3	-	73	57	*	-		
	Paris ...	30.26	63	SSW	3	2	30.17	- .19	46	41	+ 1	S	2	2	*	-	70	43	*	-		
	Belfort ...	30.31	60	W	3	m	30.25	- .19	45	39	- 3	Z	0	m	*	-	67	41	*	-		
	Lyons ...	30.38	59	SW	2	2	30.35	- .13	44	38	- 2	ESE	1	2	*	-	68	39	*	-		
Nice ...	30.49	49	WSW	1	2	30.42	- .08	48	43	- 2	Z	0	2	0	-	61	45	*	-			
Perpignan ...	30.38	54	SW	1	2	30.33	- .14	45	44	+ 2	N	1	2	*	-	66	41	*	-			
SPAN. PEN.	Corunna ...	30.24	58	SW	3	2	30.22	- .08	53	51	- 5	ENE	3	c	*	-	64	52	*	-		
	Lisbon ...	30.24	58	SW	3	2	30.22	- .08	53	51	- 5	ENE	3	c	*	-	64	52	*	-		
Azores (P. Delgada) ...	30.31	50	NW	3	2	30.33	+ .42	46	43	- 1	NW	1	2	2	-	63	45	*	-			
(Horta) ...	30.31	50	NW	3	2	30.33	+ .42	46	43	- 1	NW	1	2	2	-	63	45	*	-			

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR MONDAY, 23<sup>rd</sup> MARCH, 1903.

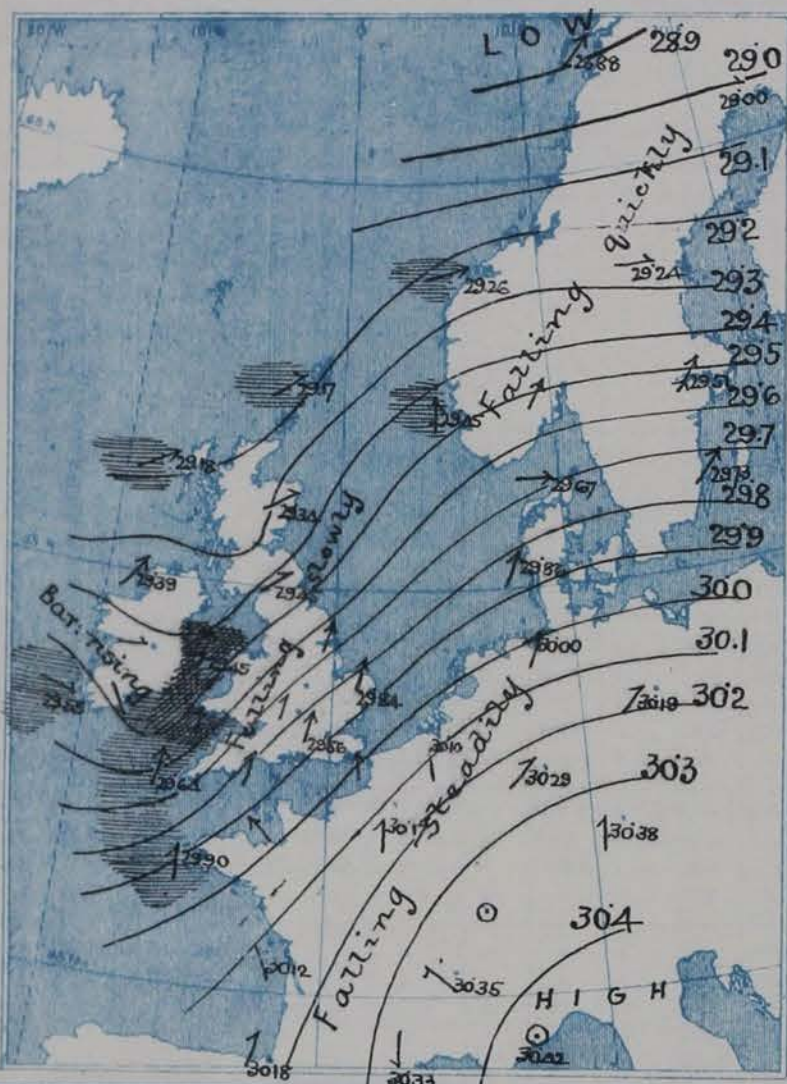
## I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉  
Force 8 to 10 → Force 1 to 4 →

SEA.—Rough High

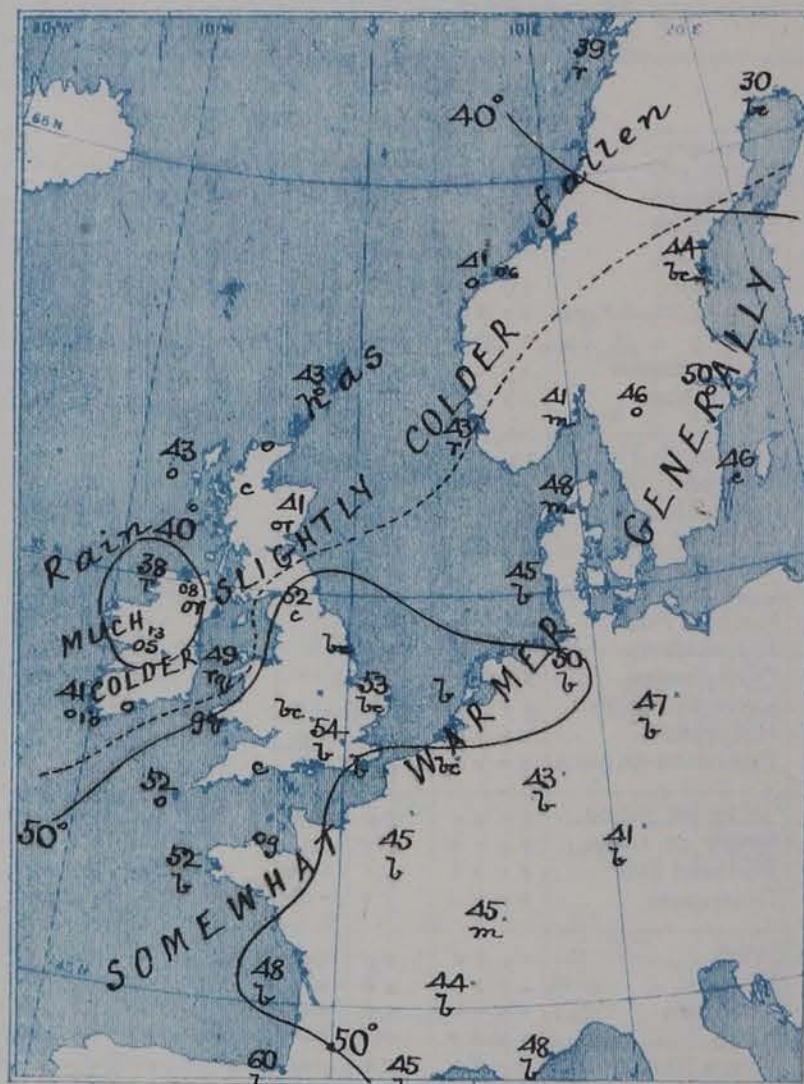


## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus: 0.6



## III. BAROMETER AND WIND

Yesterday morning.



## IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES combined for the month of MARCH (1871-1900)



## V. Means of DAILY TEMPERATURE at 8 A.M. for the Two monthly period MARCH - APRIL (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

A large cyclonic system in which the barometer readings are below 29.2 ins. now lies off the north of our Islands and the west of Norway, while another disturbance is apparently advancing towards our western coasts. In the rear of the former system the barometer is rising slightly in Scotland and the north of Ireland, but in other parts of northwestern Europe it is falling. The highest pressures, 30.5 ins. and upwards, are reported over south Germany and the southeast of France.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is S.W. over nearly the whole of our area and is strong to a gale in force on our own western coasts, as well as in the south of Norway.

Temperature has risen in most places, but has fallen in the north of Ireland and the south of Scotland. Over the United Kingdom generally the thermometer is now very high for the time of year, the readings being above 50° in most parts of England and Ireland, and as high as 55° at Liverpool and 56° at Parnassus. At Paris the reading is only 44°, while at some of the German stations the thermometer is very little above 40°.

The weather is fine in the east of England as well as over the whole of France, Germany and the Netherlands, but is cloudy or dull in the western and northern parts of our area, with rain at Donaghadee and also at Christiansund. The sea is rough or rather so on our western and extreme northern coasts generally, and also off the west of Norway.

During yesterday the thermometer rose to 55° and upwards in several parts of England and Ireland, and to 60° at Jersey; at many of the French stations it exceeded 65° and at Biarritz it rose to 72°. Scarcely any bright sunshine was recorded in the west and north of our Islands but considerable amounts in the south and east of England, — as much as 8.6 hrs. at Clacton-on-Sea. Rain has fallen in the west and extreme north of our Islands, — heavily at Stornoway.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS \*

For the 24 hours ending at NOON on 23<sup>RD</sup> MARCH. 1903

### DISTRICTS.

### FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

None issued.

### DISTRICTS.

### FORECASTS.

- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH

None issued.

### WARNINGS

At 3.0 pm yesterday to Districts 0 and 6, and at 7.0 pm. to Districts 1, 2, 3, 5 and 8, "Hoist South Cone". The signals are now flying on all coasts.

Note.—The South Cone, point downwards (⌵), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.  
The North Cone, point upwards (⌶), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page.



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.						PAST 24 HOURS.					
	Bar.	Temp.	Wind.	Weather.	Barometer.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun-	Rainfall
	Ins.	°			Ins.	Change.	Dry.	Wet.	Change.				Max.	Min.	shine.	Ins.

Clacton-on-Sea ... ..  
 Newton Reigny (Penrith)  
 Bath ... ..

30.03

50

SW 5

b

30.07

-11

53

50

+5

SW 1

b

\*

-

55

48

5.1

-

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			

Southport, to 9 p.m. ... ..  
 Rhyl ... ..  
 Llandudno ... ..  
 Aberystwyth, to 6 p.m. ... ..  
 Plymouth, to 9 p.m. Not recd.  
 Worthing ... ..  
 Brighton ... ..

53  
\*  
\*  
51  
\*  
\*  
\*

48  
\*  
\*  
47  
\*  
\*  
\*

6.09  
\*  
\*  
bc  
\*  
\*  
\*

0.0  
\*  
\*  
1.0  
\*  
8.3  
\*

-  
\*  
\*  
-  
\*  
\*  
\*

Eastbourne ... ..  
 Hastings ... ..  
 Lowestoft, to 6 p.m. Not recd.  
 Harrogate, to 6 p.m. ... ..  
 Manchester, to 9 p.m. ... ..  
 Darwen, to 9 p.m. ... ..  
 Birmingham, to 9 p.m. ... ..

\*  
\*  
\*  
54  
54  
50  
55

\*  
\*  
\*  
45  
46  
42  
43

\*  
\*  
\*  
0.0  
9.60  
0.0  
0.0

\*  
\*  
\*  
0.7  
0.1  
0.0  
2.0

\*  
\*  
\*  
0.02  
-  
0.01  
-

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 21 March 1908.	TEMPERATURE, F.		WEATHER.		RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.		RAIN.
	Max.	Min.					Max.	Min.			

Utrecht ... ..  
 Madrid ... ..  
 Vienna ... ..  
 St. Petersburg ... ..  
 Trieste ... ..  
 Florence ... ..  
 Rome ... ..  
 Corsica (I. Sanguinaires) ... ..  
 Naples ... ..  
 Palermo ... ..  
 Malta ... ..

54  
66  
55  
41  
59  
58  
62  
61  
57  
64  
59

45  
39  
37  
23  
46  
37  
43  
43  
46  
52  
51

0  
0  
0  
0  
b  
b  
b  
f  
b  
c  
?

0  
b  
f  
r  
b  
b  
b  
f  
b  
c  
c

Ins.  
-  
-  
-  
-  
-  
-  
-  
-  
-  
-  
0.20

Tunis Not recd.  
 Algiers ... ..  
 Madeira (Funchal) ... ..  
 20. III 1908.  
 Lugano ... ..  
 Davos ... ..  
 Lucerne ... ..  
 Lausanne ... ..

\*  
61  
66  
\*  
1 p.m.  
57  
39  
50  
46

\*  
52  
48  
\*  
1 p.m.  
-  
-  
-  
-

\*  
c  
0  
\*  
1 p.m.  
b  
bc  
0  
b

\*  
b  
b  
\*  
Measured  
-  
-  
-  
-

Ins.  
-  
-  
\*  
7 a.m.  
-  
-  
-  
-

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.  
 \* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
----------------	--	--------------------------------------	--	--------------------------------------

British Isles, Belgium† ... ..  
 Holland ... ..  
 Germany, Denmark,  
 Norway, Sweden } ... ..  
 France ... ..  
 Spain ... ..  
 Portugal ... ..  
 Azores { Point Delgada ... ..  
 Horta ... ..

8 a.m. (West European)  
8 a.m. ( " )  
8 a.m. (Mid-European)  
7 a.m. (Paris)  
8 a.m. (West European)  
8 a.m. (Lisbon)  
6 a.m. (Local)  
6 a.m. (Local)

8 a.m.  
8 a.m.  
7 a.m.  
6.51 a.m.  
8 a.m.  
8.36 a.m.  
7.43 a.m.  
7.55 a.m.

6 p.m. (W.E.T.)  
7 p.m. (W.E.T.)  
8 p.m. (M.E.T.)  
6 p.m. (Paris)  
6 p.m. (W.E.T.)  
3.23 p.m. (Lisbon)  
9 p.m. (Local)  
9 p.m. (Local)

6 p.m.  
7 p.m.  
7 p.m.  
5.51 p.m.  
6 p.m.  
4 p.m.  
10.43 p.m.  
10.55 p.m.

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

22. III 1908.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
---------------	-------------------	----------------	------------------

Yarmouth ... ..  
 Greenwich ... ..  
 Wick ... ..  
 Valencia ... ..

5.54  
6.1  
6.13  
6.42

12.0  
12.7  
12.19  
12.48

6.6  
6.13  
6.25  
6.54

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.  
 " Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on *Tuesday, 24<sup>th</sup> March, 1903.*

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. *W. N. SHAW, Secretary.*

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.		
																				At 82° and M.S.L.	Dry Bulb.
				Ins.	°		Ins.	°													
SCANDINAVIA.	Haparanda ...	29.12	31	SW	2	3	28.70	- .30	31	31	+ 1	E	4	5	*	-	36	27	*	0.16	
	Hernösand ...	29.17	37	Z	0	0	28.89	- .35	45	42	+ 1	SW	2	3	*	-	50	32	*	-	
	Stockholm ...	29.47	51	SW	6	C	29.27	- .24	50	44	0	SW	6	C	*	-	54	48	*	-	
	Wisby ...	29.67	48	SW	4	C	29.46	- .27	48	45	+ 2	S	4	3	*	-	54	36	*	-	
	Karlstad ...	29.42	44	SSW	6	0	29.27	- .28	39	38	- 7	S	2	0	*	-	*	*	*	-	
	Færder (X'iania Fjord)	29.34	41	SSW	7	m	29.24	- .28	40	39	- 1	SSW	6	m	4	-	43	39	*	-	
	Bodö ...	29.02	40	SW	4	r	28.74	- .14	37	35	- 2	E	2	3c	1	-	41	34	*	-	
	Christiansund ...	29.01	41	WSW	4	r	28.90	- .36	37	34	- 4	W	8	r	6	-	46	36	*	0.47	
	Skudesnaes ...	29.19	43	S	8	r	29.29	- .16	40	39	- 3	WNW	4	0	5	r	43	39	*	-	
	Sumburgh Head ...	28.97	42	SW	5	0	29.32	+ .15	39	36	- 4	WNW	3	3	5	0	45	35	*	0.05	
BRITISH ISLANDS.	Stornoway ...	29.16	43	W	4	0	29.41	+ .23	36	35	- 7	WNW	2	0p	2	0g, 0p, 0	47	34	3.2	0.10	
	Malin Head ...	29.39	44	WSW	7	3c	29.48	+ .13	37	36	- 1	SSW	4	3c	3	3c	45	36	*	0.04	
	Blacksod Pt. ...	29.51	44	WSW	4	3p	29.42	- .01	44	42	+ 1	SSE	4	3c	3	3c, 3p	48	39	*	0.06	
	Valencia ...	29.62	43	S	2	3cp	29.44	- .11	46	43	+ 5	SSE	4	0	4	p, c, 3p	49	39	4.4	0.12	
	Roche's Point ...	29.63	48	W	3	3c	29.59	+ .12	47	45	+ 6	SSW	4	c, 9p	2	0, 3c	48	40	*	0.06	
	Parsonstown ...	29.59	44	WSW	2	C	29.56	+ .08	40	38	+ 6	SSE	2	3	*	C	48	33	4.5	0.04	
	Donaghadee ...	29.48	46	W	4	c, 9	29.59	+ .23	38	37	- 2	WSW	2	0	2	-	48	34	*	0.16	
	Liverpool Obsy. ...	29.63	43	W	4	0	29.70	+ .16	43	40	- 11	SSW	2	3c	2	0	56	38	*	-	
	Holyhead ...	29.60	44	SW	4	c, m	29.65	+ .20	45	43	- 4	SW	3	C	3	r, m, c	49	41	*	0.32	
	Pembroke (St. Ann's)	29.65	45	W	4	C	29.71	+ .15	46	44	- 5	SW	6	3p	5	c, 9p	51	42	0.0	0.04	
GERMANY, &c.	Scilly (St. Mary's)...	29.68	48	WNW	2	0	29.73	+ .09	46	42	- 6	SSW	4	C	5	0p, r, 0	56	42	0.0	0.18	
	Jersey (St. Aubins)...	29.79	56	SSW	5	0g	29.93	- .02	47	45	- 4	S	5	C, m	4	C, 0g, r, 9	60	44	1.6	0.03	
	Portland Bill ...	29.68	52	SW	4	C	29.83	- .02	47	45	- 3	WSW	4	3c	3	C	54	41	*	0.29	
	Dungeness ...	29.77	51	WSW	4	C	29.89	- .05	47	46	- 4	SW	5	3c, 9	3	3c	57	40	*	0.03	
	Wick ...	29.15	40	WNW	4	C	29.41	+ .19	38	36	- 4	WNW	3	3c	1	-	45	32	*	0.02	
	Nairn ...	29.19	41	W	2	C	29.45	+ .18	36	35	- 5	W	1	3	1	-	48	33	*	0.11	
	Aberdeen ...	29.23	44	SW	5	3	29.51	+ .17	39	36	- 2	SSW	3	3	2	0, 3	47	36	2.7	0.03	
	Leith ...	29.36	43	SW	4	3c	29.55	+ .25	42	39	0	SW	4	3m	*	-	45	37	*	0.24	
	North Shields ...	29.49	45	WSW	4	3c	29.62	+ .17	43	40	- 9	SW	2	m	2	p, 3, r, 3c	56	40	*	0.05	
	Spurn Head ...	29.54	53	SSW	4	3c	29.72	+ .04	42	40	- 7	SW	3	3c	3	3c, r	61	39	*	0.13	
FRANCE.	Yarmouth ...	29.68	59	SW	5	C	29.79	- .05	42	40	- 11	WSW	4	3m	3	3c, c	64	36	*	0.31	
	Loughborough ...													*							
	Oxford ...	29.66	44	SW	2	r	29.82	+ .03	42	40	- 12	S	2	r	*	0, r, 9	56	39	*	0.63	
	London (Brixton)...	29.69	55	SW	7	0	29.84	- .02	45	43	- 9	S	4	C	*	0g, 3, r	64	39	4.3	0.22	
	The Scaw (Skagen) ...	29.49	47	WSW	5	3	29.35	- .32	40	40	- 8	WSW	4	r	1	-	52	39	*	-	
	Fanö ...	29.66	46	SSW	6	3	29.51	- .35	36	36	- 9	WNW	6	r	*	-	52	36	*	0.16	
	Cuxhaven ...	29.83	59	SW	3	3	29.57	- .43	51	47	+ 1	SW	4	0	*	-	64	46	0	-	
	The Helder ...	29.74	49	SW	3	3	29.75	- .23	44	41	- 7	W	3	3c	4	-	61	43	*	0.08	
	Brussels ...	*	*	*	*	*	29.98	- .12	43	41	- 8	WSW	4	0	*	-	66	42	*	0.04	
	Berlin ...	29.97	57	SW	2	3	29.79	- .40	50	45	+ 3	SSW	3	3	*	-	68	45	*	-	
SPAN. PEN.	Frankfurt ...	29.99	57	SW	2	3	29.92	- .37	49	41	+ 6	SW	2	C	*	-	70	43	*	-	
	Munich ...	30.17	50	SE	4	3	30.08	- .30	46	42	+ 5	W	4	3	*	-	66	36	*	-	
	C. Gris Nez ...	29.81	52	SSW	4	3c	29.89	- .10	45	44	- 3	WSW	5	C	5	-	59	41	*	0.04	
	Brest ...	29.68	52	NW	3	r	29.88	- .02	48	46	- 4	WSW	4	C	5	-	54	43	*	0.24	
	Lorient ...	29.84	54	S	4	0	29.96	- .03	48	48	- 2	SW	4	C	5	-	59	45	*	0.08	
	Rochefort ...	29.93	60	S	4	0	30.05	- .07	50	49	+ 2	SW	3	0	*	C, 0	64	45	*	-	
	Biarritz ...	30.04	71	S	5	C	30.13	- .05	54	53	- 6	Z	6	0	4	-	77	53	*	-	
	Paris ...	29.94	64	SW	3	3	30.04	- .13	45	42	0	W	2	3c	*	-	70	44	*	-	
	Belfort ...	30.04	61	W	6	m	30.08	- .17	45	37	0	W	6	C	*	-	70	39	*	-	
	Lyons ...	30.16	59	SSE	2	3	30.15	- .20	52	41	+ 8	S	2	0	*	-	68	48	*	-	
Nice ...	30.32	52	E	1	3	30.23	- .19	50	42	+ 2	Z	0	3	0	-	61	44	*	-		
Perpignan ...	30.19	55	S	2	3	30.17	- .16	46	45	+ 1	SW	1	3	*	-	67	43	*	-		
SPAN. PEN.	Corunna ...																				
	Lisbon ...	30.13	58	SSW	3	3c	30.06	- .16	56	55	+ 3	SE	2	f	*	-	63	55	*	-	
SPAN. PEN.	Azores (P. Delgada)																				
	" (Horta) ...	30.17	56	WSW	5	0	29.80	- .53	57	56	+ 11	SW	6	r	3	-	59	46	*	0.12	

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

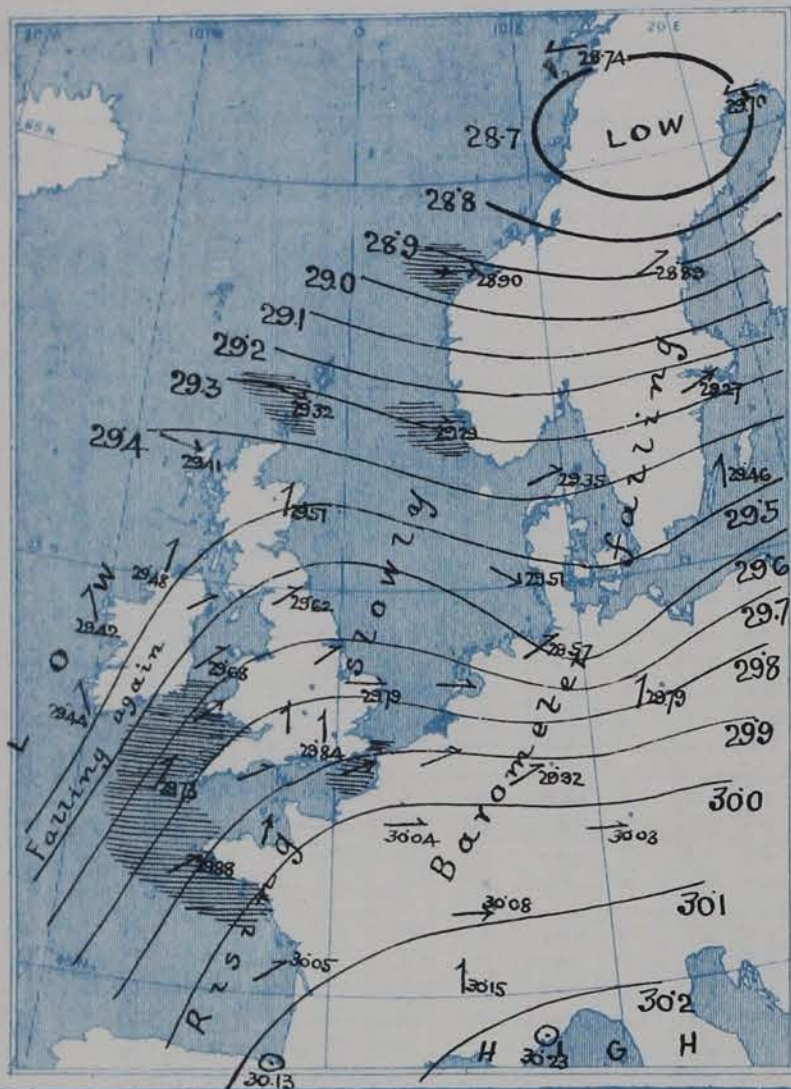
FOR *Tuesday, 24<sup>th</sup> March, 1903.*

## I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉  
Force 8 to 10 → Force 1 to 4 → }  
SEA.—Rough High

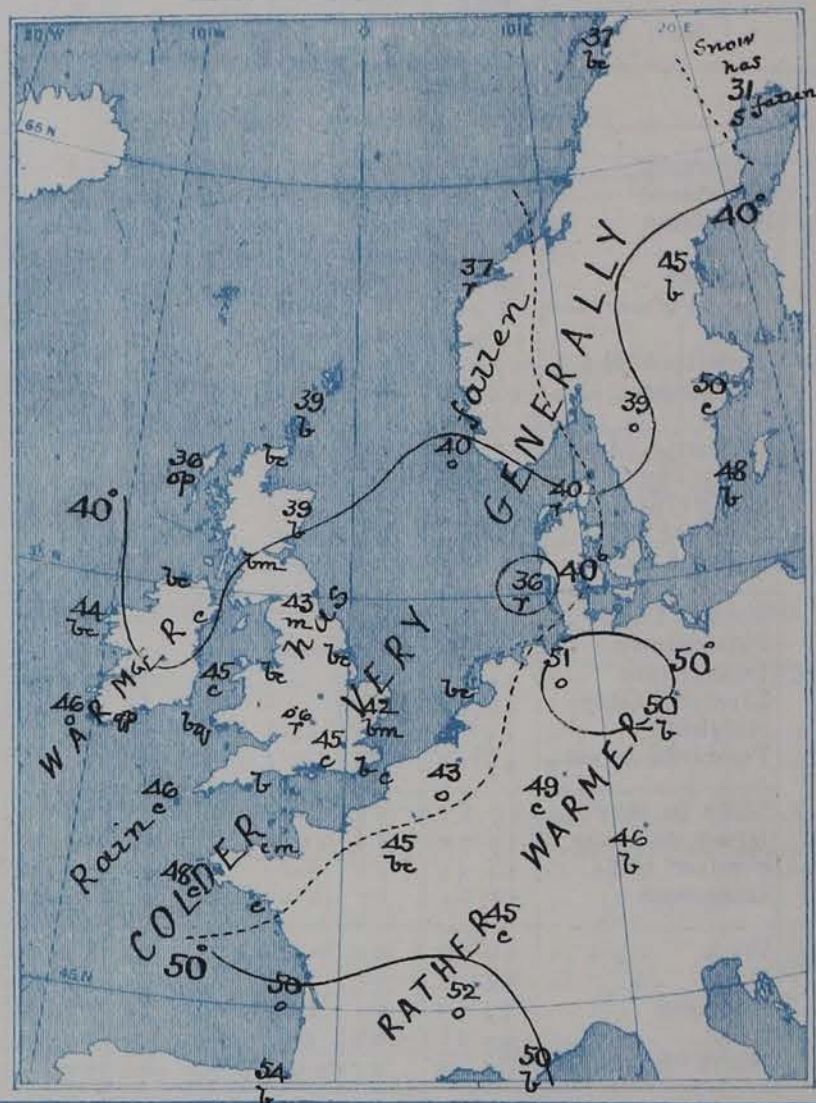


## II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus — 0.6

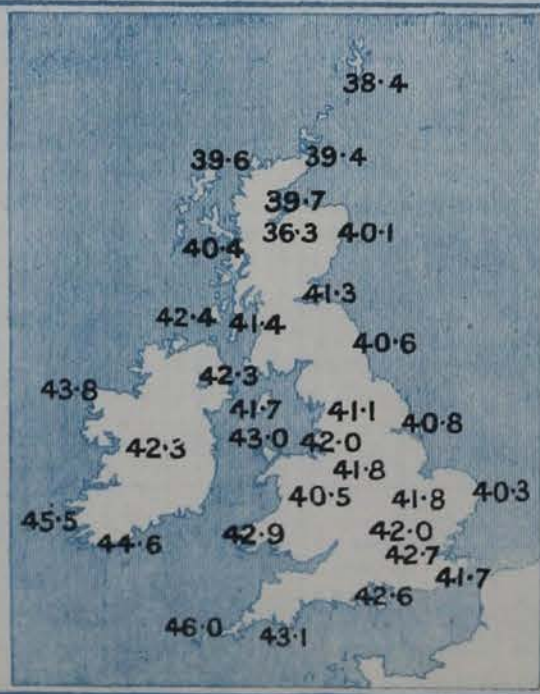


## III. BAROMETER AND WIND

*Yesterday morning.*



## IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES combined for the month of MARCH (1871-1900)



## V. Means of DAILY TEMPERATURE at 8 A.M. for the Two monthly period MARCH - APRIL (1871-1900)





# GENERAL SITUATION AT 8 A.M.



## PRESSURE

The barometer is now highest, 30.4 ins. and upwards, in the southeast of France, and lowest, 29.9 ins. and less in a cyclonic system lying off the coast of Finmark. A trough of "V shaped" secondary disturbances is also moving eastwards across our own western and northern districts, and the barometer is falling at all but our extreme western stations, where a recovery of pressure has commenced. Gradients are steep over England and the North Sea, but moderate or slight elsewhere.

## WIND

## TEMPERATURE

## WEATHER

## AND

## SEA

The wind is S<sup>ly</sup> or SW<sup>ly</sup> over western Europe as a whole, and blows with the force of a gale in the St. George's and Bristol Channels, as well as at Skudesnaes and Stockholm; at some of the Irish stations it has shifted to the NW<sup>wd</sup> or N<sup>wd</sup>. Temperature remains high over England and the neighbouring parts of the continent, the thermometer being above 50° in most places, and as high as 54° in London, and at Bath and Oxford. In Scotland the thermometer has fallen slightly, and in Ireland briskly; at Parsonstown the present reading, 34°, is as many as 20° lower than that of yesterday morning. The weather is fine in the south and east of England, and also over France, Germany, and the Netherlands. In all other parts of our area, the sky is cloudy or overcast, with rain at several of our own northern stations, and also at Bodö and Skudesnaes; snow is falling at Parsonstown. The sea is high in the St. George's Channel, and rough or rather so, on many other parts of our western and extreme northern coasts.

During yesterday, the thermometer rose to 60° or slightly above it, in the east and south of England, the highest reading reported being 63° in London; at Paris it rose to 70°, and at Biarritz to 73°. Heavy rain has fallen in Ireland (as much as 1.3 in. at Parsonstown, and 1.0 in. at Valencia) and smaller quantities in Scotland.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The trough of low pressure over the west and north of our Islands, is likely to move eastwards, and rain is therefore probable in our Eastern and Southern districts. The shift of wind to the NW<sup>wd</sup> which has already taken place in Ireland, is likely to spread shortly to the west coasts of Great Britain.

## FORECASTS \*

For the 24 hours ending at NOON on 24<sup>th</sup> March.

1903

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	W <sup>ly</sup> to NW <sup>ly</sup> winds, fresh; some snow or sleet showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Strong S <sup>ly</sup> winds, shifting later to the W <sup>wd</sup> or NW <sup>wd</sup> ; fair and mild at first, becoming rainy later and cooler.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	Wind shifting to the NW <sup>wd</sup> or N <sup>wd</sup> ; unsettled, rain at times. Becoming colder.
8	ENGLAND S.W.	
9	IRELAND NORTH	NW <sup>ly</sup> or N <sup>ly</sup> winds, backing later; cold, changeable, showery.
10	IRELAND SOUTH	
WARNINGS		The South Cone is still flying in districts 0 to 2, 5, 6 and 8.

Note.—The South Cone, point downwards (T), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.  
The North Cone, point upwards (T), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page.



ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.							PAST 24 HOURS.					
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change					Max.	Min.		
Clacton-on-Sea ... ..	"	"	"	"	"	"	"	"	"	"	"	"	"	58	48	4.5	-
Newton Reigny (Penrith)	29.61	48	sw 6	7	29.37		47	47		sw 7	rg	"	or	52	47	0.0	0.43
Bath ... ..	29.99	57	s 6	7	29.77	- .30	54	51	+ 1	s 6	6	"	-	61	50	5.7	-

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	62	51	cg p, b	2.1	-	Eastbourne ... ..	60	50	c	8.0	*
Rhyl ... ..	*	*	*	6.2	*	Hastings ... ..	*	*	*	7.3	*
Llandudno ... ..	*	*	*	0.3	*	Lowestoft, to 6 p.m. ...					
Aberystwyth, to 6 p.m. ...	54	46	c	3.0	-	Harrogate, to 6 p.m. ...	62	50	oc	7.3	-
Plymouth, to 9 p.m....						Manchester, to 9 p.m. ...					
Worthing ... ..	*	*	*	8.5	*	Darwen, to 7 p.m. ...	58	47	oc p, cg	0.6	-
Brighton ... ..	*	*	*	7.9	*	Birmingham, to 9 p.m. ...	60	47	c, b, c	4.0	-

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS.				TEMPERATURE, F.		WEATHER.	RAIN.
22. III. 1903.				Max.	Min.		
Utrecht...	...	...	...				Ins.
Madrid...	...	...	...				
Vienna...	...	...	...				
St. Petersburg...	...	...	...				
Trieste...	...	...	...				
Florence...	...	...	...				
Rome...	...	...	...				
Corsica (I. Sanguinaires)...	...	...	...				
Naples...	...	...	...				
Palermo...	...	...	...				
Malta...	...	...	...				

STATIONS.				TEMPERATURE, F.		WEATHER.	RAIN.
21. III. 1903.				Max.	Min.		
Tunis...	...	...	...				Ins.
Algiers...	...	...	...				
Madeira (Funchal)...	...	...	...				
				1 p.m.		1 p.m.	Measured 7 a.m.
Lugano...	...	...	...	59	—	6	
Davos...	...	...	...	45	—	6	
Lucerne...	...	...	...	54	—	6	
Lausanne...	...	...	...	54	—	6	

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark gloomy; h. hail; l. lightning; m. mist; (hazy)

\* AN ASTERISK is inserted in all places for which information is not usually received.

[illegible]

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.			
COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	23. Mar., 1909.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.‡				
Holland ... ..	8 a.m. ( " " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.	Yarmouth ... ..	5.52	12.0	6.8
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich ... ..	5.59	12.7	6.15
France ... ..	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick ... ..	6.10	12.19	6.27
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.	Valencia ... ..	6.40	12.48	6.56
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.				
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.				
{ Horta ... ..	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.				

*SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.*  
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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and

reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1. ‡ At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on *Wednesday, 25<sup>th</sup> March, 1903.*  
 Issued by the *METEOROLOGICAL OFFICE, 63, Victoria Street, London.* *W. N. SHAW, Secretary.*

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)			At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)				Max.	Min.		
SCANDINAVIA.	Haparanda ...	28.97	21	N	6	0	29.67	+ .97	8	7	- 23	N	2	2	*	-	32	8	*	0.35	
	Hernösand ...	29.03	40	NW	6	2	29.67	+ .78	24	23	- 21	SSE	2	0	*	-	48	24	*	0.04	
	Stockholm ...	29.34	41	SW	6	2	29.70	+ .43	38	31	- 12	W	6	2	*	-	52	37	*	0.20	
	Wisby ...	29.54	39	S	6	2	29.80	+ .34	37	35	- 11	W	4	2	*	-	54	32	*	-	
	Karlstad ...	29.47	41	SW	2	2	29.80	+ .53	36	32	- 3	W	2	2	*	-	*	*	*	-	
	Færder (X'ania Fjord) ...	29.54	40	W	3	2	29.79	+ .55	38	36	- 2	W	1	0	3	-	43	37	*	-	
	Bodö ...	29.01	39	E	6	2	29.61	+ .87	24	22	- 13	E	4	2	*	-	39	23	*	-	
	Christiansund ...	29.31	37	W	8	7	29.66	+ .76	37	35	0	WSW	4	0	5	-	39	36	*	0.35	
	Skudesnaes ...	29.67	39	W	2	2c	29.70	+ .41	39	38	- 1	SE	6	0	4	m, 2c	43	37	*	-	
	Sumburgh Head ...	29.52	40	S	1	2c	29.21	- .11	44	44	+ 5	S	5	7	6	c, 2c	44	36	*	0.08	
BRITISH ISLANDS.	Stornoway ...	29.38	43	SSW	5	7	28.89	- .52	46	45	+ 10	S	7	7	8	0, 7	47	34	5.9	0.88	
	Malin Head ...	29.20	47	SSE	7	0	28.75	- .73	48	47	+ 11	SSW	8	7	6	2c, 0	48	37	*	0.02	
	Blacksod Pt. ...	29.05	47	SSE	8	7	28.74	- .68	48	45	+ 4	S	8	7	7	c, 7p, 7g	51	44	*	1.06	
	Valencia ...	29.11	48	S	7	7	28.84	- .60	48	44	+ 2	S	6	6	6	7, 4, 7m	51	45	0.0	1.03	
	Roche's Point ...	29.31	50	S	8	0	29.01	- .58	50	47	+ 3	SSW	5	0	4	0	51	46	*	0.27	
	Parsonstown ...	29.27	49	SSE	7	0	28.95	- .61	48	45	+ 8	S	4	2c	*	2c, 7, 7	52	39	4.9	0.10	
	Donaghadee ...	29.43	47	SSW	6	0	29.05	- .54	47	46	+ 9	S	6	0	5	-	49	33	*	0.17	
	Liverpool Obsy. ...	29.63	49	SSW	2	0	29.26	- .44	47	45	+ 4	SSE	4	7	3	2c, 0	53	43	*	0.01	
	Holyhead ...	29.55	48	S	6	0	29.12	- .53	49	48	+ 4	S	9	0	7	2c, 0, 7m	50	43	*	0.04	
	Pembroke (St. Ann's) ...	29.57	49	S	7	0	29.15	- .56	50	49	+ 4	S	8	0	6	c, 9p	51	45	8.6	0.08	
GERMANY, &c.	Scilly (St. Mary's) ...	29.52	51	S	7	0	29.15	- .58	51	50	+ 5	S	8	7	7	c, 0	54	43	7.6	0.05	
	Jersey (St. Aubins) ...	29.84	52	SSE	4	2	29.52	- .41	52	50	+ 5	SE	6	2	5	2c, 2	57	47	8.0	-	
	Portland Bill ...	29.78	48	S	4	2c	29.42	- .41	50	49	+ 3	S	6	0	5	2c	51	46	*	-	
	Dungeness ...	29.87	49	SW	3	2	29.62	- .27	50	49	+ 3	S	6	0	3	2	52	46	*	-	
	Wick ...	29.46	45	S	4	0	29.07	- .34	44	42	+ 6	S	7	0	4	-	49	34	*	-	
	Nairn ...	29.46	45	SSE	2	0	29.06	- .39	49	44	+ 13	SW	3	0	2	-	50	36	*	-	
	Aberdeen ...	29.56	43	SSE	3	2	29.22	- .29	44	43	+ 5	SSE	5	0	4	2c, 2, 0, 7	51	39	6.9	0.09	
	Leith ...	29.54	47	S	1	0	29.17	- .38	46	44	+ 4	SSE	3	0	*	-	53	40	*	-	
	North Shields ...	29.63	49	SSW	2	0	29.32	- .30	47	45	+ 4	S	4	0	2	c, 0, 7m	53	43	*	-	
	Spurn Head ...	29.73	47	SSE	4	2c	29.45	- .27	47	45	+ 5	SSE	5	0	3	-	54	41	*	-	
FRANCE.	Yarmouth ...	29.81	51	SSW	4	2c	29.59	- .20	47	45	+ 5	S	6	0	4	2c	52	40	*	0.05	
	Loughborough ...	29.77	47	S	2	2c	29.45	- .37	51	48	+ 9	S	4	2	*	-	53	41	*	0.01	
	Oxford ...	29.77	47	S	2	2c	29.45	- .37	51	48	+ 9	S	4	2	*	-	53	41	*	0.01	
	London (Brixton) ...	29.82	49	S	5	2	29.52	- .32	54	50	+ 9	S	6	2	*	c, 2, 0	55	44	5.8	-	
	The Scaw (Skagen) ...	29.67	40	W	5	7	29.85	+ .50	39	38	- 1	WSW	2	0	0	-	45	37	*	0.08	
	Fanö ...	29.89	41	SW	3	2	29.89	+ .38	42	42	+ 6	SSE	2	0	*	-	45	36	*	0.04	
	Cuxhaven ...	29.94	46	W	3	2	29.93	+ .36	39	37	- 12	S	2	0	*	-	52	37	*	-	
	The Helder ...	29.88	45	SW	2	2	29.75	+ .00	44	42	0	S	3	0	2	-	50	39	*	-	
	Brussels ...	30.05	48	W	3	2	29.80	+ .18	48	45	+ 5	SSE	3	0	*	-	54	41	*	-	
	Berlin ...	30.05	48	W	3	2	30.12	+ .33	39	37	- 11	SSE	1	0	*	-	64	36	*	-	
SPAN. PEN.	Frankfurt ...	30.03	46	SW	2	2	30.01	+ .09	41	39	- 8	E	2	0	*	-	57	37	*	-	
	Munich ...	30.13	50	NW	3	0	30.10	+ .02	41	39	- 5	SE	4	0	*	-	64	36	*	-	
	C. Gris Nez ...	29.91	48	S	3	2c	29.64	- .25	50	47	+ 5	SE	1	0	3	-	54	45	*	-	
	Brest ...	29.75	51	S	5	0	29.38	- .50	54	51	+ 6	S	5	0	5	-	54	48	*	-	
	Lorient ...	29.86	51	S	4	0	29.51	- .45	53	52	+ 5	S	4	0	5	-	59	46	*	-	
	Rochefort ...	29.90	59	SE	2	2	29.69	- .36	54	53	+ 4	SSE	5	0	*	2c, 2	64	50	*	-	
	Biarritz ...	29.89	66	E	3	2	29.76	- .27	66	62	+ 12	S	3	0	2	-	70	54	*	-	
	Paris ...	29.99	63	S	2	2	29.79	- .25	49	46	+ 4	S	3	0	*	-	59	45	*	-	
	Belfort ...	30.06	49	S	3	0	29.99	- .09	43	40	- 2	ENE	3	0	*	-	61	39	*	-	
	Lyons ...	30.03	58	S	4	2c	30.01	- .14	54	44	+ 2	S	5	0	*	-	66	52	*	-	
Nice ...	30.18	51	Z	0	2	30.19	- .04	51	44	+ 1	Z	0	0	*	-	63	46	*	-		
Perpignan ...	30.04	54	NE	3	2	30.05	- .12	53	52	+ 7	SE	1	0	*	-	65	46	*	-		
SPAN. PEN.	Corunna ...	29.82	60	WSW	3	0	29.62	- .44	60	58	+ 4	SSW	6	0	*	-	68	55	*	-	
	Lisbon ...	29.82	60	WSW	3	0	29.62	- .44	60	58	+ 4	SSW	6	0	*	-	68	55	*	-	
SPAN. PEN.	Azores (P. Delgada) ...	29.88	51	NW	4	2c	29.87	+ .07	52	47	- 5	WNW	3	0	2	-	59	50	*	0.20	
	„ (Horta) ...	29.88	51	NW	4	2c	29.87	+ .07	52	47	- 5	WNW	3	0	2	-	59	50	*	0.20	

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR *Wednesday, 25<sup>th</sup> March, 1903.*

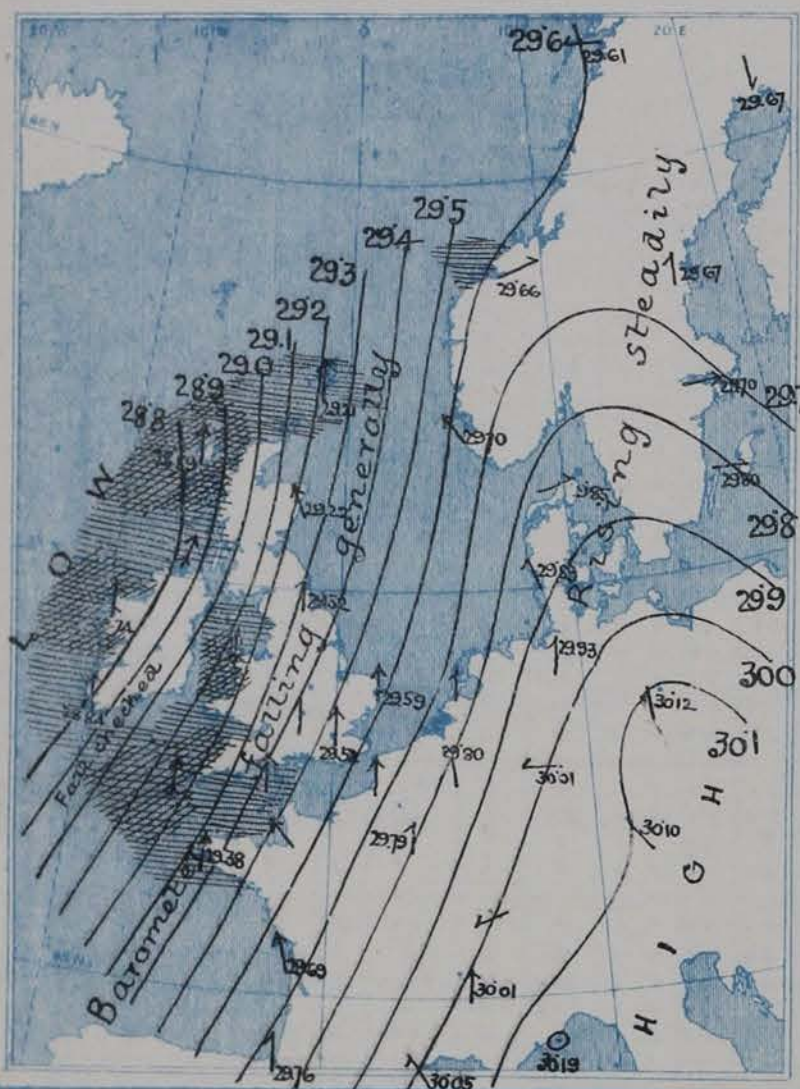
## I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉  
Force 8 to 10 → Force 1 to 4 →

SEA.—Rough High

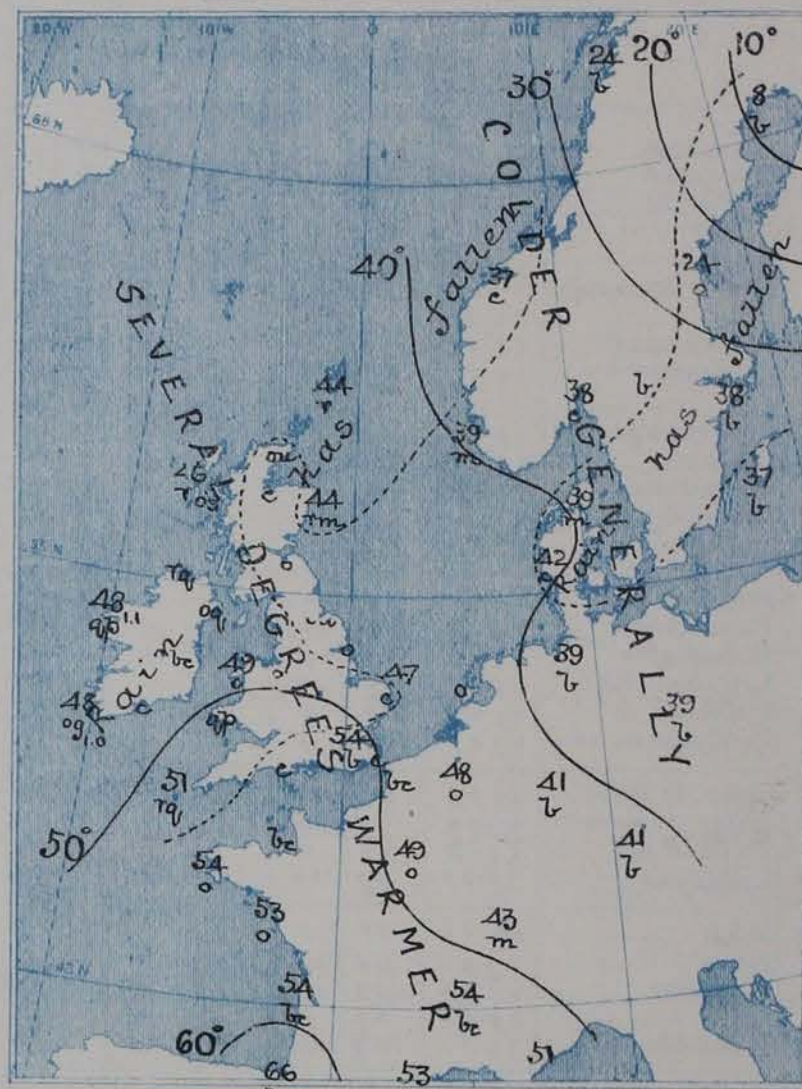


## II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6



## III. BAROMETER AND WIND

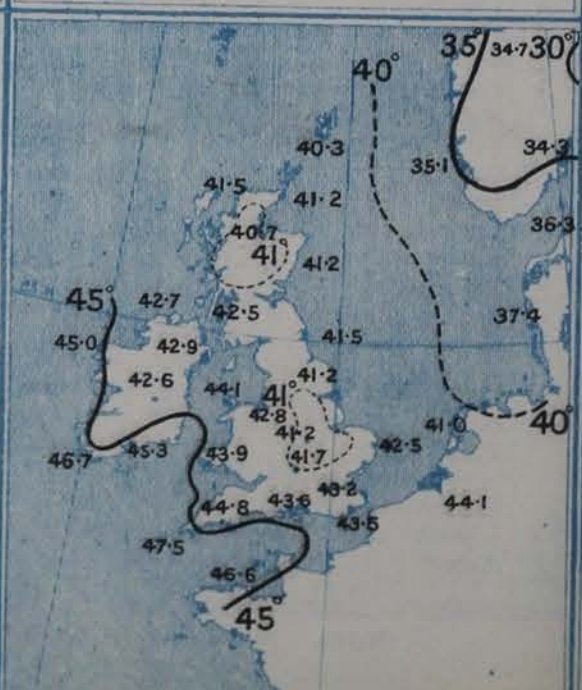
*Yesterday morning.*



## IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES combined for the month of MARCH (1871-1900)



## V. Means of DAILY TEMPERATURE at 8 A.M. for the Two monthly period MARCH - APRIL (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Barometrical pressure remains highest, 30.2 ins and upwards, in the south of France, and is lowest, 28.7 ins and less, in a well marked cyclonic system with its centre over the North of Scandinavia. The barometer is at present rising in most parts of Great Britain and France, but is falling in all the more northern parts of the Continent. A fresh fall has also set in over Ireland, and a new disturbance is evidently approaching from the Atlantic; the gradients over these Islands are, however, at present slight.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is light to moderate from the SW<sup>wd</sup> over Great Britain and the adjacent parts of the Continent, but is W<sup>ly</sup> on the eastern and southern shores of the North Sea, with a gale at Christiansund. In the front of the approaching disturbance it has backed to the SW<sup>wd</sup> in Ireland, but is at present moderate in force. Temperature has fallen over the greater part of northwestern Europe, - briskly over England, but has risen in the southern parts of Ireland. On our southern coasts the temperatures are still slightly above the average, the readings being in most cases a little above 45°, but in all other parts of the United Kingdom, they are now below the normal, the lowest reading reported being 36° at Stornoway and Nairn. The weather is fine over the greater part of the United Kingdom, but is cloudy and showery in the south of Ireland. In the western portions of the Continent, the sky is as a rule cloudy or overcast, with rain in Denmark and at Christiansund; snow is falling at Haparanda. Over Germany and the southern parts both of France and Sweden, the weather is fine. The sea is rather rough on our southwestern and the northern French coasts, as well as off the Shetlands and the west of Norway.

During yesterday the thermometer again rose to 60° and upwards in the east and southeast of England, the highest reading reported being 64° in London and at Yarmouth; at our western and northern stations it did not reach 50°. The duration of bright sunshine was small in the west and north, but large on our east and southeast coasts; at Blackon-sea it amounted to 9.5 hours. Rain has fallen generally - rather heavily in places.



### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic system which is approaching Ireland, is likely to cause a renewal of rough unsettled weather over the greater part of the United Kingdom, with a considerable increase of wind from the SW<sup>wd</sup> or SW<sup>wd</sup> on our western and southern coasts. The centre of the disturbance will probably move in an E<sup>ly</sup> or an ENE<sup>ly</sup> direction.

## FORECASTS \*

For the 24 hours ending at NOON on 25<sup>th</sup> March 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	Wind backing to the S <sup>wd</sup> or SE <sup>wd</sup> and freshening; fair at first, some rain later.	6 { SCOTLAND WEST	Same as Nos. 0 and 1.
1 { SCOTLAND EAST		7 { ENGLAND N.W.	
2 { ENGLAND N.E.	SW <sup>ly</sup> to S <sup>ly</sup> winds, freshening; fair and cool today, becoming milder and unsettled tomorrow, with some rain.	8 { ENGLAND S.W.	S <sup>ly</sup> winds, increasing in force; fair at first, then squally and rainy.
3 { ENGLAND EAST		9 { IRELAND NORTH	
4 { MIDLAND COUNTIES		10 { IRELAND SOUTH	
5 { ENGLAND SOUTH		WARNINGS	At 9.50 a.m. today, to district 10 and part of 9, Hoist South Cone.

Note.—The South Cone, point downwards (  ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.  
The North Cone, point upwards (  ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page.



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	We. ther.	Barometer.		Temperature			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change					Max.	Min.		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	bc	*	bc	57	38	9.5	0.09
Newton Reigny (Penrith) ...	29.49	41	SW 4	0	29.62	+ .23	38	38	- 9	2 0	0	*	07,c	51	34	1.3	0.47
Bath ... ..	29.68	45	W 2	7	29.79	+ .02	43	41	- 11	SW 2	0	*		56	38	0.0	0.36

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	56	43	0	0.1	-	Eastbourne ... ..	0	0	*	5.2	*
Rhyl ... ..	*	*	*	4.5	*	Hastings ... ..	*	*	*	6.5	*
Llandudno ... ..	*	*	*	2.0	*	Lowestoft, to 6 p.m. ...	60	45	bc, c	7.4	-
Aberystwyth, to 6 p.m. ...	57	46	c	0.0	-	Harrogate, to 6 p.m. ...	56	42	0 c	1.0	0.04
Plymouth, to 9 p.m....	52	41	oupg	0.0	0.30	Manchester, to 9 p.m. ...	55	43	bcg, d, o	0.0	0.03
Worthing ... ..	*	*	*	5.6	*	Darwen, to 9 p.m. ...	53	38	og, r, m, om	0.0	0.19
Brighton ... ..	*	*	*	5.0	*	Birmingham, to 9 p.m. ...	55	42	c, o, r	0.4	0.14

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 23 Mch. 1903.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Utrecht... ..	59	46	b b	Ins.	Tunis ... ..	66	41	b bc	Ins.
Madrid ... ..	60	36	b b	-	Algiers ... ..	68	55	b c	-
Vienna ... ..	60	41	b f	-	Madeira (Funchal) ...	68	52	b o	-
St. Petersburg ... ..	39	28	r r	0.20	22 Mch. 1903.				
Trieste ... ..	57	41	b o	-	1 p.m.		1 p.m.		Measured 7 a.m.
Florence ... ..	64	38	b b	-	Lugano ... ..				
Rome ... ..	63	42	b o	-	Davos ... ..				
Corsica (I. Sanguinaires) ...	63	46	f f	-	Lucerne ... ..				
Naples ... ..	61	50	b o	-	Lausanne ... ..				
Palermo ... ..	63	40	b m	-					
Malta ... ..	59	54	? m	-					

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.			
COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	24 Mch. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.† (W.E.T.)	6 p.m.†	Yarmouth ... ..	5.50	12.0	6.10
Holland ... ..	8 a.m. ( " " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.	Greenwich ... ..	5.57	12.7	6.17
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Wick ... ..	6.7	12.59	6.30
France ... ..	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Valencia ... ..	6.38	12.48	6.58
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.				
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.				
Azores (Point Delgada) ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.				
Horta ... ..	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.				

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.

" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on *Thursday, 26<sup>th</sup> March, 1903.*

Issued by the *METEOROLOGICAL OFFICE, 63, Victoria Street, London.* *W. N. SHAW, Secretary.*

STATIONS.	YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.			
	BAROM.	TEMP.	WIND.		Weather	BAROMETER.	TEMPERATURE.				WIND.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. — Hours.	Rainfall. — Ins.
	At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M.S.L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)				Max.	Min.		
	Ins.	°				Ins.	Ins.	°											
SCANDINAVIA.	Haparanda ...	30.01	3	N	2	30.04	+37	6	5	-2	S	4	bc	*	-	23	1	*	-
	Hernösand ...	30.00	26	N	0	29.80	+13	33	33	+9	S	4	s	*	-	41	23	*	0.20
	Stockholm ...	29.94	36	N	0	29.91	+21	42	39	+4	SSE	4	o	*	-	46	34	*	-
	Wisby ...	30.03	39	W	2	29.96	+19	43	40	+6	W	2	bc	*	-	45	34	*	-
	Karlstad ...	29.91	38	E	2	29.75	-05	41	29	+5	SE	2	o	*	-	*	*	*	0.04
	Færder (X'ania Fjord) ...	29.76	40	SSE	4	29.63	-16	42	41	+4	SSE	3	m	3	-	42	37	*	-
	Bodö ...	29.50	25	E	6	29.40	-21	29	25	+5	E	7	bc	3	-	29	21	*	-
	Christiansund ...	29.47	44	S	4	29.18	-48	52	46	+15	SSE	3	r	4	-	52	36	*	-
BRITISH ISLANDS.	Skudesnaes ...	29.47	44	SSE	8	29.32	-38	47	45	+8	S	8	o	6	-	47	39	*	-
	Sumburgh Head ...	28.98	46	S	5	28.96	-25	44	43	0	SSW	3	c	6	o	46	43	*	0.17
	Stornoway ...	28.81	51	SW	6	28.90	+01	45	43	-1	WSW	5	o	5	o	52	43	2.6	0.09
	Malin Head ...	28.82	50	SSW	7	28.93	+18	44	42	-4	S	3	bc	2	bc	53	42	*	-
	Blacksod Pt. ...	28.80	49	SSW	7	28.87	+13	45	44	-3	SSW	4	cp	4	bc, cp	51	44	*	0.04
	Valencia ...	28.90	48	S	4	28.93	+09	42	41	-6	ENE	1	ov	4	cm, cp	53	41	3.1	0.27
	Roche's Point ...	28.98	49	SSW	4	28.93	-08	44	43	-6	WNW	3	om, r	2	o	51	42	*	0.12
	Parsonstown ...	28.95	47	S	4	28.92	-03	42	41	-6	SE	1	or	*	p, o	55	40	4.1	0.14
GERMANY &c.	Donaghadee ...	29.02	49	SW	4	29.03	-02	46	45	-1	SSW	3	c	3	-	52	42	*	-
	Liverpool Obsy. ...	29.12	55	S	3	29.15	-11	45	43	-2	SE	3	r	3	op	60	43	*	0.08
	Holyhead ...	29.09	46	SW	4	29.09	-03	42	41	-7	S	8	cp, r	6	dg, r, gm	51	41	*	0.46
	Pembroke (St. Ann's) ...	29.07	45	W	4	29.03	-12	47	45	-3	S	8	cp, mu	6	-	52	43	0.0	0.36
	Scilly (St. Mary's) ...	29.09	46	SSW	4	29.02	-13	47	45	-4	SSW	7	o	5	r, c, bc	51	44	0.0	0.35
	Jersey (St. Aubins) ...	29.26	62	SSE	7	29.43	-09	51	47	-1	S	6	bc	5	bc, op, r	66	40	4.1	0.03
	Portland Bill ...	29.22	53	SSE	4	29.31	-11	48	47	-2	SSW	6	cp, r	5	c, o	54	47	*	0.03
	Dungeness ...	29.41	57	S	5	29.47	-15	50	49	0	SW	5	bc	3	bc, c, r	60	47	*	0.09
FRANCE.	Wick ...	28.94	43	S	6	28.99	-08	44	43	0	SE	2	bc	2	-	48	40	*	0.01
	Nairn ...	28.92	50	SSW	4	28.98	-08	45	42	-4	SW	1	bc	1	-	56	37	*	-
	Aberdeen ...	29.06	47	S	4	29.08	-14	44	42	0	SSW	3	bc	3	o, bc, r	48	41	1.4	0.24
	Leith ...	29.06	49	SW	2	29.09	-08	48	45	+2	SSW	1	c	*	-	58	43	*	0.13
	North Shields ...	29.16	58	S	3	29.19	-13	47	45	0	S	2	c	2	p, o, p	60	44	*	0.02
	Spurn Head ...	29.28	52	S	4	29.22	-23	49	47	+2	S	5	bc	3	bc, cp	59	46	*	0.03
	Yarmouth ...	29.39	54	S	4	29.38	-21	50	48	+3	SW	5	c	4	bc, r	56	45	*	0.01
	Loughborough ...	29.24	59	S	5	29.33	-12	49	46	-2	S	5	bc, cp	*	bc, op	65	48	*	0.03
GERMANY &c.	Oxford ...	29.29	66	S	6	29.40	-12	50	46	-4	SW	6	c	*	o, bc, cp	67	47	4.3	0.10
	London (Brixton) ...	29.29	66	S	6	29.40	-12	50	46	-4	SW	6	c	*	o, bc, cp	67	47	4.3	0.10
	The Scaw (Skagen) ...	29.75	42	S	3	29.60	-25	43	42	+4	S	4	m	1	-	45	37	*	-
	Fanö ...	29.67	50	SE	6	29.58	-31	50	46	+8	SSE	6	bc	*	-	52	42	*	-
	Cuxhaven ...	29.76	57	SSE	2	29.65	-28	54	48	+15	S	2	bc	*	-	59	39	*	-
	The Helder ...	29.53	59	SSE	2	29.46	-29	57	48	+13	SSW	6	bc	3	-	68	44	*	-
	Brussels ...	*	*	*	*	29.60	-20	56	45	+8	SSW	4	r	*	-	71	48	*	-
	Berlin ...	29.92	55	ESE	2	29.86	-26	50	46	+11	SE	2	bc	*	-	61	39	*	-
FRANCE.	Frankfurt ...	29.78	54	SE	2	29.76	-25	48	44	+7	SW	2	o	*	-	68	41	*	-
	Munich ...	29.97	54	N	0	29.90	-20	54	47	+13	SW	4	bc	*	-	66	41	*	-
	C. Gris Nez ...	29.43	69	SE	4	29.45	-19	48	47	-2	SSW	4	bc	3	-	75	46	*	0.08
	Brest ...	29.25	51	SW	4	29.26	-12	50	47	-4	SSW	6	o	7	-	54	48	*	-
	Lorient ...	29.30	55	SW	6	29.38	-13	50	50	-3	SW	6	o	7	-	59	45	*	-
	Rochefort ...	29.41	65	SSE	6	29.58	-11	51	50	-3	S	4	bc	3	bc, o	70	48	*	0.28
	Biarritz ...	29.49	75	S	6	29.69	-07	56	52	-10	S	3	bc	3	-	81	52	*	-
	Paris ...	29.54	73	S	5	29.66	-13	48	46	-1	S	2	r	*	-	79	48	*	0.04
SPAN. PEN.	Belfort ...	29.80	63	SSE	5	29.76	-23	50	43	+7	ENE	2	o	*	-	71	43	*	-
	Lyons ...	29.91	59	WSW	3	29.86	-15	57	43	+3	N	1	c	*	-	68	54	*	-
	Nice ...	29.75	?	E	1	30.06	-13	51	42	0	ENE	2	o	6	-	61	45	*	-
	Perpignan ...	29.93	57	S	3	29.80	-25	55	54	+2	SE	2	bc	*	-	66	52	*	-
SPAN. PEN.	Corunna ...																	*	
	Lisbon ...																	*	
SPAN. PEN.	Azores (P. Delgada) ...	29.89	55	NW	5	30.04	-21	53	47	0	N	4	bc	5	-	57	52	*	-
	" (Horta) ...	29.93	55	N	8	30.06	+19	53	48	+1	NW	3	o	2	-	59	52	*	-

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR *Thursday 26<sup>th</sup> March, 1903.*

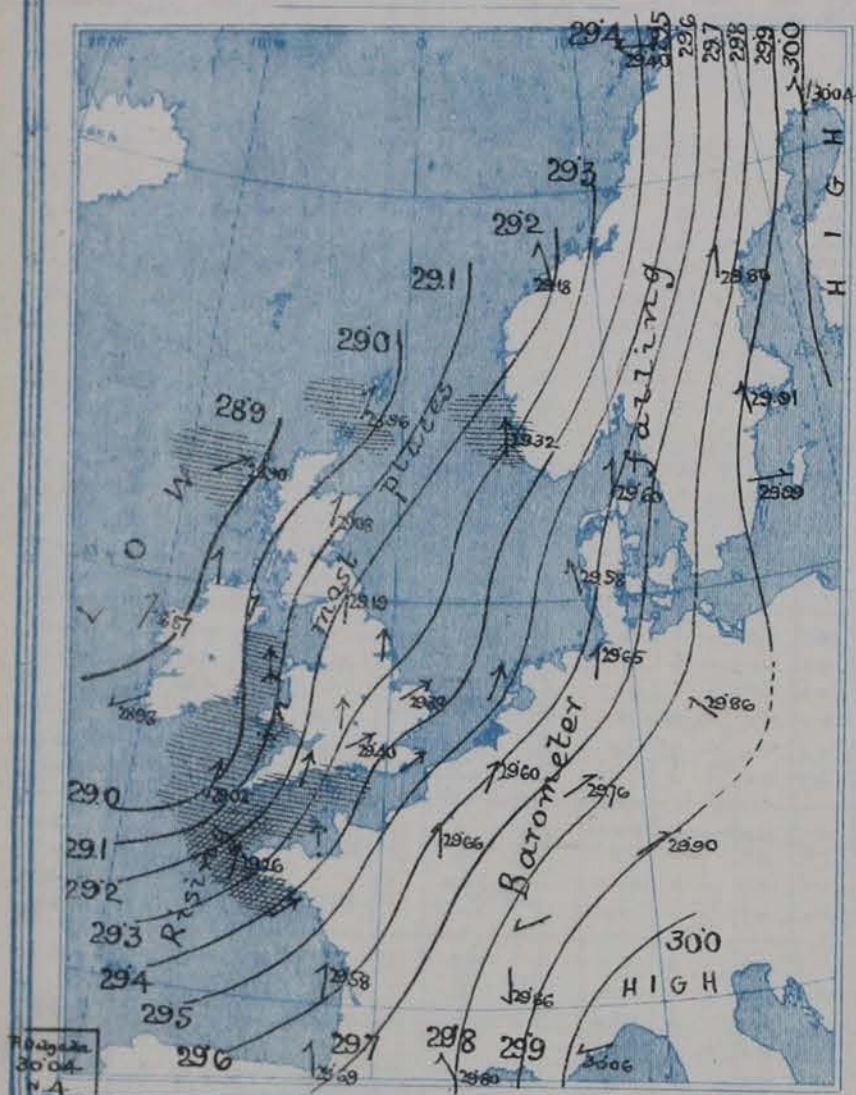
## I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉  
Force 8 to 10 → Force 1 to 4 → }

SEA.—Rough High

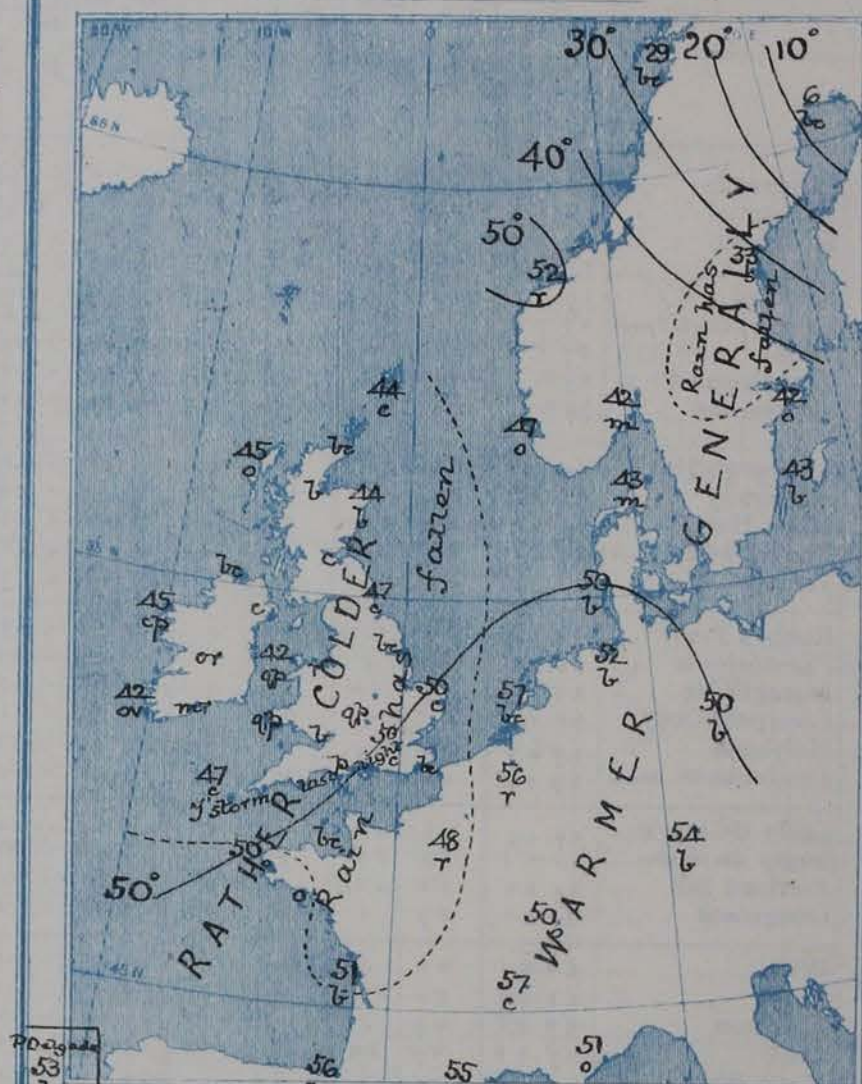


## II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

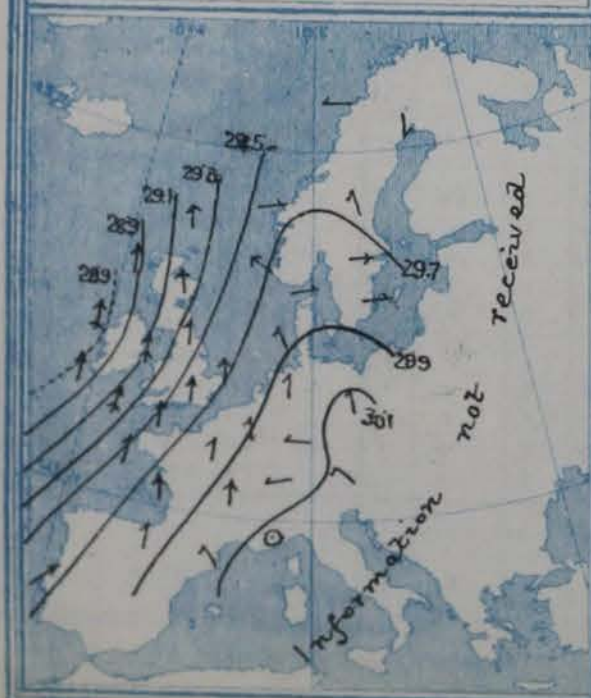
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus: 0.6



## III. BAROMETER AND WIND

*Yesterday morning.*



## IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES combined for the month of MARCH (1871-1900)



## V. Means of DAILY TEMPERATURE at 8 A.M. for the Two monthly period MARCH - APRIL (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

A cyclonic disturbance of considerable size and intensity is lying off our western coasts, and the barometer is falling in most parts of western Europe, the lowest readings, 28.8 inches and less, being at present reported in the extreme north and northwest of Ireland. In Scandinavia the mercury is rising steadily. The highest pressures, 30.1 inches and upwards, are now found over Germany, and the barometrical gradients are steep over nearly the whole of the United Kingdom and the North Sea.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

S<sup>w</sup> winds are reported over western Europe generally and blow strongly in most parts of these Islands, with a gale on our western and extreme northern coasts; in the south of Scandinavia the wind draws into the W<sup>sw</sup>, while in the northern parts of that peninsula it is rather variable. Temperature has risen over the United Kingdom, France and the Netherlands, and is now above the average for the time of year; at many of our southern and the French stations the thermometer is above 50°, while at Biarritz it is as high as 66°. Over the northern parts of Scandinavia a considerable fall of temperature has occurred, and frost is now general, the lowest reading reported being 8° at Haparanda. Rain is falling at many of our western and northern stations, but in the east and southeast of England and the western parts of the Continent the weather is at present fair. The sea is high or rough on our western and extreme northern coasts, and rather rough in the Channel and off the northwest of France. During yesterday the thermometer rose to 50° and upwards in most parts of the United Kingdom, to 55° in London and to 57° at Jersey. The amount of bright sunshine over Great Britain was large, — between 7 and 8 hours in many places, and as much as 9.2 hours at Clacton-on-Sea; in Ireland there was little or none. Heavy rain has again fallen in the western parts of Ireland and Scotland, the largest amounts reported being 1.1 inch at Blacksod Point, 1.0 inch at Valencia and 0.9 inch at Stornoway.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance in the west will probably continue to spread eastwards, and some further increase in the strength of the S<sup>w</sup> wind is likely over England, with rain in the south and east. In Ireland the wind will probably shift to the W<sup>sw</sup> or NW<sup>sw</sup>.

## FORECASTS \*

For the 24 hours ending at NOON on 26<sup>th</sup> March 1903

### DISTRICTS.

### FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

S<sup>w</sup> gales, or strong winds; squally, some rain. Milder.

S<sup>w</sup> winds, strong; squally, some rain. Milder.

S<sup>w</sup> winds, strong; a gale in places; fair at first, some rain later.

### DISTRICTS.

### FORECASTS.


- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH


S<sup>w</sup> gales, moderating later; squally, rain at times.

Wind shifting to the W<sup>sw</sup> or NW<sup>sw</sup>; changeable, some rain, becoming temporarily colder.

### WARNINGS

At 3.30 pm yesterday to districts 6, 7 and 8, and the remainder of 9, and at 6.50 pm to districts 0 to 3 and 5 "Hoist South Cone". The signals are now flying on all coasts.

*Note.*—The South Cone, point downwards (  ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (  ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page.



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change					Max.	Min.		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	2c	*	2, 2c	52	35	9.2	*
Newton Reigny (Penrith) ...	29.57	45	S 2	c	29.24	-.32	44	43	+ 6	SE 2	79	*	cp, or	48	38	5.5	0.27
Bath ... ..	29.75	50	SW 2	6	29.41	-.28	53	50	+ 10	S 4	7	*	-	53	43	7.0	0.02

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m. ....	54	38	0, c, o	5.6	-	Eastbourne ... ..	*	*	*	7.0	*
Rhyl ... ..	*	*	*	7.1	*	Hastings ... ..	*	*	*	7.4	*
Llandudno ... ..	*	*	*	7.0	*	Lowestoft, to 6 p.m. ...	54	37	8c, 8	8.0	0.27
Aberystwyth, to 6 p.m. ...	52	46	8c	9.0	0.03	Harrogate, to 6 p.m. ...	50	38	om	3.7	-
Plymouth, to 9 p.m. ....	*	*	*	7.6	*	Manchester, to 9 p.m. ...	52	35	8c	4.7	-
Worthing ... ..	*	*	*	7.2	*	Darwen, to 9 p.m. ...	48	35	8cp, cv	3.9	-
Brighton ... ..	*	*	*	7.2	*	Birmingham, to 9 p.m. ...	52	36	8, 8c, c	4.3	0.11

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 24...Mch. 1903.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
Utrecht... ..	<i>Information not yet rec'd</i>			Ins.	Tunis ... ..				Ins.
Madrid ... ..					Algiers ... ..				
Vienna ... ..					Madeira (Funchal) ... ..				
St. Petersburg ... ..									
Trieste ... ..					23...Mch. 1903.	1 p.m.		1 p.m.	Measured 7 a.m.
Florence ... ..					Lugano ... ..	64	—	6	—
Rome ... ..					Davos ... ..	50	—	6	—
Corsica (I. Sanguinaires) ...					Lucerne ... ..	59	—	6	—
Naples ... ..					Lausanne ... ..	59	—	6	—
Palermo ... ..									
Malta ... ..									

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.			
COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	25...Mch. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.† (W.E.T.)	6 p.m.†	Yarmouth ... ..	5.48	11.59	6.11
Holland ... ..	8 a.m. ( " " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.	Greenwich ... ..	5.54	12. 6	6.18
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Wick ... ..	6 4	12.18	6.33
France ... ..	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Valencia ... ..	6.35	12.47	6.59
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.				
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.				
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.				
Horta ... ..	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.				

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 p. annum.  
" Weekly " " " £1 10 0 " " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on *Friday, 27<sup>th</sup> March, 1903.*  
 Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)						THIS MORNING. (See note on last page.)										PAST 24 HOURS.					
		BAROM.		TEMP.		WIND.		BAROMETER.		TEMPERATURE.				WIND.		Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather.	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather.	Max.			Min.					
																			Ins.			°	Ins.
SCANDINAVIA.	Haparanda ...	29.34	32	S	6	3	29.25	- .79	36	35	+ 3.0	W	2	C	*	-	36	23	*	0.16			
	Hernösand ...	29.47	40	S	4	3	29.45	- .35	47	43	+ 1.4	S	2	O	*	-	47	27	*	0.32			
	Stockholm ...	29.72	48	SW	4	O	29.69	- .22	50	46	+ .8	Z	O	3	*	-	52	34	*	-			
	Wisby ...	29.81	48	Z	O	O	29.77	- .19	45	43	+ 2	S	2	3	*	-	57	34	*	-			
	Karlstad ...	29.58	46	SE	4	O	29.67	- .08	42	41	+ 1	SW	2	O	*	-	*	*	*	-			
	Färder (X'ania Fjord) ...	29.55	42	S	4	O	29.62	- .01	41	40	- 1	SSW	2	m	2	-	43	39	*	-			
	Bodö ...	29.10	43	ESE	4	O	29.19	- .21	40	39	+ 11	ESE	2	r	1	-	43	28	*	-			
	Christiansund ...	29.25	44	SSE	2	7	29.23	+ .05	45	40	- 7	SW	1	C	4	-	52	43	*	0.20			
	Skudesnaes ...	29.41	43	S	6	3c	29.49	+ .17	42	41	- 5	S	8	m	5	r, 3c	47	41	*	*			
	Sumburgh Head ...	28.99	45	SSW	3	O	29.10	+ .14	43	42	- 1	SSW	4	O	5	C, O	48	42	*	0.02			
BRITISH ISLANDS.	Stornoway ...	28.90	43	SW	3	O	29.00	+ .10	41	40	- 4	SW	4	O	4	Op, O	49	40	4.2	0.22			
	Malin Head ...	28.99	45	WSW	4	3c	29.17	+ .24	39	38	- 5	S	5	3cp	4	r, 3c	46	38	*	0.21			
	Blacksod Pt. ...	29.00	43	SW	5	3c, 3p	29.20	+ .33	41	39	- 4	SW	5	cp, m	4	3c, 3p, 2	50	40	*	0.07			
	Valencia ...	29.15	46	S	4	C	29.36	+ .43	44	40	+ 2	SW	3	C	5	cp, C	51	40	4.4	0.19			
	Roche's Point ...	29.22	47	SW	4	C	29.40	+ .47	42	40	- 2	W	3	3	2	p, C	50	40	*	0.07			
	Parsonstown ...	29.15	43	SE	2	O	29.32	+ .40	39	38	- 3	SSE	1	3c	*	Op	52	31	2.0	0.18			
	Donaghadee ...	29.12	45	WSW	4	cp, p	29.30	+ .27	40	38	- 6	WSW	2	3	1	-	47	37	*	0.20			
	Liverpool Obsy. ...	29.27	47	SW	4	3	29.38	+ .23	45	42	- 0	SSW	1	3	1	p, 3	52	40	*	0.03			
	Holyhead ...	29.22	46	SSW	6	C	29.35	+ .26	45	44	+ 3	SW	3	3c	3	cp, C	49	41	*	0.09			
	Pembroke (St. Ann's) ...	29.31	47	SW	6	C	29.41	+ .38	46	44	- 1	W	4	3c	5	C, 9	49	43	4.7	0.04			
GERMANY, &c.	Scilly (St. Mary's) ...	29.29	49	SSW	4	O	29.50	+ .48	47	44	- 0	WNW	5	cp	5	cp, O	52	42	2.9	0.11			
	Jersey (St. Aubins) ...	29.42	53	ENE	2	3m	29.52	+ .09	47	44	- 4	W	6	Op	5	3c, 3p, 2	59	46	9.4	0.09			
	Portland Bill ...	29.43	47	SE	1	C	29.43	+ .12	44	42	- 4	NW	4	C	4	3c, C	52	42	*	0.36			
	Dungeness ...	29.51	50	SSE	1	C	29.44	- .03	48	48	- 2	S	4	C	3	C, 3p, 2	55	47	*	0.20			
	Wick ...	28.95	45	SE	3	O	29.12	+ .13	43	41	- 1	S	2	3c	2	-	50	39	*	0.01			
	Nairn ...	28.93	45	W	1	C	29.12	+ .14	41	40	- 4	SW	1	3	1	-	53	37	*	0.06			
	Aberdeen ...	29.02	45	SSE	4	cp, m	29.24	+ .16	43	40	- 1	SSW	4	C	3	3c, p, O	48	41	5.8	0.02			
	Leith ...	29.03	47	SW	3	O	29.26	+ .17	44	40	- 4	SSW	1	3m	*	-	52	40	*	0.08			
	North Shields ...	29.20	49	SSW	4	cp	29.36	+ .17	41	40	- 6	SSW	2	O	2	C, cp, r	55	40	*	0.09			
	Spurn Head ...	29.35	51	S	5	3c	29.39	+ .17	45	43	- 4	S	3	O	2	3p, 3c, r	56	43	*	0.10			
FRANCE.	Yarmouth ...	29.48	54	SSW	5	3c	29.42	+ .04	47	46	- 3	SSE	4	C	4	3c, 3	57	45	*	-			
	Loughborough ...	29.45	47	S	2	3	29.41	+ .08	46	45	- 3	Z	O	r	*	3p, O	54	44	*	0.27			
	Oxford ...	29.41	51	S	2	O	29.41	+ .01	51	48	+ 1	S	2	O	*	C, 3, m	58	46	0.4	-			
	London (Brixton) ...	29.41	51	S	2	O	29.41	+ .01	51	48	+ 1	S	2	O	*	-	-	-	-	-			
	The Scaw (Skagen) ...	29.60	46	SW	2	m	29.65	+ .05	42	41	- 1	SW	2	O	O	-	46	41	*	-			
	Fanö ...	29.67	43	SE	2	3	29.64	+ .06	47	46	- 3	ESE	3	O	*	-	57	43	*	0.12			
	Cuxhaven ...	29.71	56	SW	1	O	29.63	- .02	48	45	- 4	E	1	O	*	Op, r	64	48	*	0.08			
	The Helder ...	29.57	51	SSW	1	C	29.52	+ .06	51	49	- 6	SSE	1	3	1	-	59	43	*	-			
	Brussels ...	29.57	51	SSW	1	C	29.53	- .07	51	47	- 5	SSE	4	C	*	-	60	44	*	-			
	Berlin ...	29.75	61	SE	1	3	29.73	- .13	51	47	+ 1	S	1	O	*	-	70	46	*	-			
SPAN. PEN.	Frankfurt ...	29.67	56	E	2	3	29.71	- .05	52	47	+ 4	E	2	O	*	-	68	50	*	-			
	Munich ...	29.84	53	S	4	3	29.82	- .08	50	44	- 4	SE	3	O	*	-	70	48	*	-			
	C. Gris Nez ...	29.53	53	SSE	2	3	29.44	- .01	48	45	- 0	SE	3	3c	2	-	59	45	*	-			
	Brest ...	29.32	45	N	1	O	29.52	+ .26	47	39	- 3	WNW	4	C	4	-	54	45	*	0.28			
	Lorient ...	29.35	53	SE	6	C	29.56	+ .18	47	45	- 3	NW	6	C	4	-	61	43	*	0.16			
	Rocheport ...	29.44	58	S	3	3c	29.65	+ .07	49	48	- 2	NNW	7	r	*	3c	64	46	*	0.12			
	Biarritz ...	29.45	64	S	5	C	29.86	+ .17	48	47	- 8	W	7	O	5	-	68	41	*	0.47			
	Paris ...	29.59	51	SE	3	O	29.47	- .19	51	47	+ 3	SSE	2	O	*	-	59	45	*	-			
	Belfort ...	29.65	59	WSW	5	O	29.62	- .14	51	43	+ 1	ENE	5	O	*	-	69	50	*	-			
	Lyons ...	29.63	62	S	4	O	29.58	- .28	59	50	+ 2	S	7	O	*	-	67	53	*	-			
Nice ...	29.98	54	ENE	4	O	29.89	- .17	50	50	- 1	ENE	4	r	5	-	57	48	*	0.87				
Perpignan ...	29.63	61	SE	3	O	29.74	- .06	47	47	- 8	NW	3	O	*	-	72	46	*	-				
SPAN. PEN.	Corunna ...	29.94	46	W	4	3c	30.24	+ .63	51	46	- 5	NW	4	3c	*	-	56	46	*	0.55			
	Lisbon ...	30.26	54	NW	3	3	30.28	+ .24	57	53	+ 4	WSW	4	O	3	-	57	52	*	-			
	Azores (P. Delgada) ...	30.24	56	SW	4	3	30.23	+ .17	58	56	+ 5	SW	3	O	2	-	61	53	*	-			

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

+ Observations received too late for insertion in Charts on next page.

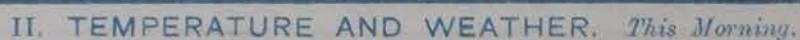


FOR FRIDAY, 27<sup>TH</sup> MARCH, 1903.

**BAROMETER.**—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → → →      Force 5 to 7 → → → :  
Force 8 to 10 → → →      Force 1 to 4 → → → } Calm ☉

SEA — Russian  High 

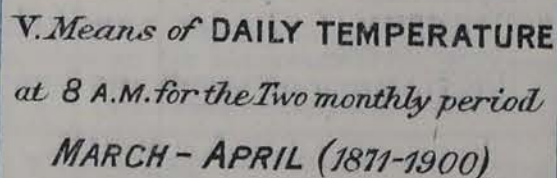
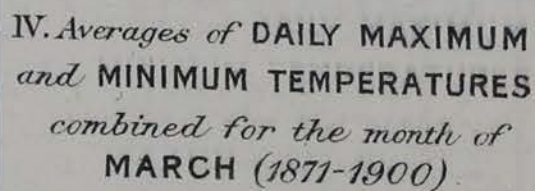
TEMPERATURE.—Isotherms are drawn for each 10°

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—(16)



*Yesterday morning.*





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

A large cyclonic disturbance in which the barometer is below 28.9 ins. lies off our northwest coast, while a secondary system in which the readings are nearly as low, has appeared off the south of Ireland. The highest pressure, a little above 30.0 ins., is now found over the extreme southeast of France and the Gulf of Bothnia. Gradients are still steep over the southwest of Great Britain, but have become moderate or slight elsewhere. The mercury is inclined to rise over France and in many parts of our Islands, but is falling over Germany, Denmark, and Scandinavia.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The general direction of the wind over our Islands and northwestern Europe as a whole is S<sup>W</sup>, but in the Hebrides it draws into WSW, and at Bodö into E, while in the south of Ireland it is variable. It still blows strongly in the English Channel, and with the force of a gale on the Welsh coast and in the southwest of Norway. At Bodö the E<sup>W</sup> winds blows a moderate gale. Temperature has fallen in most parts of the United Kingdom and France, risen elsewhere. Over our Islands the readings are generally a little above the normal except in the south of Ireland. They range from 50° in the southeast to 45° or 44° over the more northern districts, and to 42° at Parsonstown and Valencia. The Continental values range from 57° at Lyons and the Helder and 56° at Biarritz, to 42° at Stockholm 29° at Bodö, and to 6° at Haparanda. The weather is in a very changeable condition over the whole of our area. Rain or passing showers are falling in many parts of the United Kingdom, rain at Paris, Brussels, and Christiansund, and snow at Hernösand. The sea is high at the mouth of the Channel, rough or rather so in the west generally.

The maximum temperatures recorded yesterday were very peculiar. In the west and southwest of England, they were but little above 50°, while at Oxford the thermometer rose to the unusual height of 65°, in London to 67°, at Brussels to 71°, at Paris to 79° and at Biarritz to 81°. Rain has fallen at almost all our own stations, as well as in some parts of France and Scandinavia. Very little bright sunshine was experienced yesterday except in the southeast. Thunderstorms occurred at night both in the Scilly Isles and the Metropolis, and lightning was seen at Jersey.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are no indications of any decided change in the conditions now prevalent. The disturbances in the west and northwest will probably move away northwards or northeastwards, but the distribution of pressure continues favourable for the approach of other cyclonic systems from the southwestward.

## FORECASTS \*

For the 24 hours ending at NOON on 27<sup>th</sup> March. 1903

### DISTRICTS.



### FORECASTS.

0	SCOTLAND NORTH	Wind chiefly S <sup>W</sup> , moderate or fresh; changeable, some rain.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S <sup>W</sup> and SW <sup>W</sup> winds, fresh in places; some showers, but mostly fair. Mild.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Same as Nos 0 and 1
7	ENGLAND N.W.	S <sup>W</sup> gales or strong winds, subsiding gradually; rainy, then fair.
8	ENGLAND S.W.	
9	IRELAND NORTH	Variable winds; dull and rainy, then improving.
10	IRELAND SOUTH	
WARNINGS		The South Cone is still flying in all but districts 9 and 10.

Note.—The South Cone, point downwards (  ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone. The North Cone, point upwards (  ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page.



ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	30	*	3, 30	57	48	8.4	0.03
Newton Reigny (Penrith)	29.11	48	SW 4	r	29.12	-.12	44	43	0	S 2	c	*	op.	55	42	0.0	0.41
Bath ... ..	29.21	60	SW 4	0	29.28	-.13	50	46	- 3	S 6	3	*	-	61	47	3.1	0.01

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	60	46	c, c	0.0	-	Eastbourne ... ..	0	0	*	7.4	*
Rhyl ... ..	*	*	*	1.5	*	Hastings ... ..	*	*	*	7.0	*
Llandudno ... ..	*	*	*	0.7	*	Lowestoft, to 6 p.m. ...	45	44	bc, c	7.0	-
Aberystwyth, to 6 p.m. ...	55	50	o	0.0	0.08	Harrogate, to 6 p.m. ...	62	43	o, c, o	1.3	0.02
Plymouth, to 9 p.m....	57	47	ou, sp	0.0	-	Manchester, to 9 p.m. ...	62	46	bc, bc, bc, o	1.3	-
Worthing ... ..	*	*	*	4.8	*	Darwen, to 9 p.m. ...	58	41	op, bc	0.2	-
Brighton ... ..	*	*	*	5.5	*	Birmingham, to 9 p.m. ...	61	42	o, r, c, bc	1.5	0.02

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 25. March 1908.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
Utrecht... ..	52	37	6 6	0.88 <sup>Ins.</sup>	Tunis ... ..	86	41	bc bc	Ins.
Madrid ... ..	54	43	0 0	—	Algiers ... ..	68	55	b b	—
Vienna ... ..	68	46	6 c	—	Madeira (Funchal) <i>not rec'd</i>				
St. Petersburg ... ..	50	36	0 0	—					
Trieste ... ..	59	48	bc 0	—					
Florence ... ..	65	37	6 6	—	24. III. 1908.	1 p.m.		1 p.m.	Measured 7 a.m.
Rome ... ..	63	45	6 6	—	Lugano ... ..	64	—	b	—
Corsica (I. Sanguinaires) ...	?	55	f f	—	Davos ... ..	48	—	b	—
Naples ... ..	60	50	c 0	—	Lucerne ... ..	61	—	b	—
Palermo ... ..	64	42	6 6	—	Lausanne ... ..	59	—	b	—
Malta ... ..	62	52	? c	—					

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

**WEATHER.**—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.							
COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	26 <del>JUL</del> <u>JUL</u> , 1908.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.				
British Isles, Belgium† ...	8 a.m.(West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.‡	Yarmouth ... ..	5.45	11.59	6.13				
Holland ... ..	8 a.m.( " " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.								
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.					Greenwich ... ..	5.52	12.6	6.20
France ... ..	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.					Wick ... ..	6.1	12.18	6.36
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.					Valencia ... ..	6.33	12.47	7.1.
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.								
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.								
{ Horta ... ..	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.								

*SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.*

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.  
 " Weekly " " " £1 10 0 "

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Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. Smith & Sons' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on Saturday, 28<sup>th</sup> March, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)						THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.		BAROMETER.		TEMPERATURE.				WIND.		Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.	
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather.	At 32° Fahr. and M.S.L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather.	Max.			Min.				
																			Ins.			°
SCANDINAVIA.	Haparanda ...	29.43	32	SW	2	3	29.38	+13	32	32	-4	S	4	f	*	-	39	32	*	-		
	Hernösand ...	29.55	41	N	0	3	29.33	-12	37	36	-10	Z	0	f	*	-	54	36	*	-		
	Stockholm ...	29.59	40	N	0	3	29.45	-24	45	43	-5	Z	0	o	*	-	57	37	*	-		
	Wisby ...	29.69	48	S	2	0	29.55	-22	49	45	+4	Z	0	o	*	-	61	39	*	-		
	Karlstad ...	29.61	42	E	2	0	29.38	-29	41	40	-1	SW	6	o	*	0.12	*	*	*	0.12		
	Færder (X'ania Fjord)	29.52	42	SSE	1	0	29.41	-21	41	39	0	WSW	6	3	-	43	41	*	0.16			
	Bodö ...	29.30	41	WSW	6	r	29.11	-08	43	39	+3	E	2	0	1	-	41	39	*	0.12		
	Christiansund ...	29.27	42	SW	3	0	29.21	-02	40	38	-5	SSW	2	4	-	52	39	*	0.16			
	Skudesnaes ...	29.35	42	S	8	r	29.39	-10	41	40	-1	S	6	m	4	0.12	45	39	*	*		
	Sumburgh Head	29.12	42	SSW	3	c	29.04	-06	42	41	-1	S	3	5	3,c	47	39	*	0.02			
BRITISH ISLANDS.	Stornoway ...	29.10	43	SW	4	0	28.81	-19	43	42	+2	SSE	7	7	ohrsgp	44	35	8.9	0.26			
	Malin Head ...	29.22	44	SW	6	0	28.77	-40	48	48	+9	SSW	6	5	3c,o	48	39	*	0.03			
	Blacksod Pt. ...	29.26	45	WSW	3	rm	28.82	-38	49	45	+8	SW	8	6	op,m	51	41	*	0.44			
	Valencia ...	29.24	49	E	1	om	29.14	-22	47	45	+3	SW	7	4	rmg,o	52	41	0.0	0.40			
	Roche's Point ...	29.26	47	SSE	4	rm	29.20	-20	51	50	+9	WSW	5	6	r,m,j	51	41	*	0.28			
	Parsonstown ...	29.32	46	S	3	c	29.04	-28	50	47	+11	SW	6	o,r	r,c	52	38	1.4	0.08			
	Donaghadee ...	29.31	48	WSW	2	c	29.05	-25	47	47	+7	WSW	4	3	-	50	40	*	0.06			
	Liverpool Obsy.	29.45	46	WSW	3	3c	29.30	-08	50	48	+5	SW	4	2	3,3c	51	41	*	0.03			
	Holyhead ...	29.42	46	SW	4	grad.	29.23	-12	49	48	+4	SSW	7	5	c,d,g,m	49	43	*	0.02			
	Pembroke (St. Ann's)	29.45	46	SSW	5	o	29.36	-05	50	49	+4	SSW	7	6	-	50	44	5.5	0.11			
GERMANY, &c.	Scilly (St. Mary's)...	29.40	47	SSW	7	m	29.49	-01	51	50	+4	SW	7	6	om,m	51	44	4.1	0.10			
	Jersey (St. Aubins)...	29.72	50	WNW	5	o	29.78	+26	53	51	+6	SSW	3	3	3c,ogp	54	46	5.8	0.06			
	Portland Bill ...	29.60	47	WSW	4	cp	29.62	+19	50	50	+6	WSW	5	4	3c,op	52	42	*	0.05			
	Dungeness ...	29.65	48	W	5	c	29.65	+21	51	50	+3	WSW	6	4	c	52	46	*	0.03			
	Wick ...	29.21	46	S	3	3c	28.88	-24	43	42	0	SE	5	3	-	47	38	*	0.03			
	Nairn ...	29.18	42	W	3	c	28.90	-22	45	42	+4	S	4	2	-	50	34	*	0.02			
	Aberdeen ...	29.25	45	SSW	3	3	29.08	-16	42	40	-1	SSE	5	3	c,3	48	40	4.0	-			
	Leith ...	29.29	46	SW	2	3	29.04	-22	48	45	+4	SE	2	0	-	51	41	*	0.03			
	North Shields ...	29.39	46	SW	2	3cm	29.20	-16	47	46	+6	S	5	2	3,3cm	48	39	*	-			
	Spurn Head ...	29.46	46	SW	2	3c	29.40	+01	48	47	+3	S	5	3	r,3c	49	40	*	0.18			
FRANCE.	Yarmouth ...	29.52	47	WSW	2	c	29.52	+10	50	48	+3	SW	5	4	r,c	52	44	*	0.05			
	Loughborough ...	29.62	45	SW	2	o	29.52	+11	49	47	+3	S	3	op	-	52	43	*	0.03			
	Oxford ...	29.60	46	WSW	2	c	29.59	+18	51	48	0	SW	4	o	op,3c,m	54	44	1.7	0.10			
	London (Brixton)...	29.60	46	WSW	2	c	29.59	+18	51	48	0	SW	4	o	-	54	44	*	-			
	The Scaw (Skagen)	29.52	44	SSE	2	m	29.54	-11	43	41	+1	W	5	1	-	46	41	*	0.12			
	Fanö ...	29.49	50	SSW	4	c	29.69	+05	44	43	-3	SSW	4	c	-	57	43	*	0.12			
	Cuxhaven ...	29.54	61	S	3	o	29.80	+17	45	44	-3	SSW	4	o	-	64	45	*	0.04			
	The Helder ...	29.52	47	WSW	3	r	29.64	+12	45	44	-6	SSW	5	3	-	64	43	*	0.04			
	Brussels ...	29.52	47	WSW	3	r	29.82	+29	44	44	-7	SSW	5	r	-	65	42	*	0.12			
	Berlin ...	29.68	60	SE	1	3	29.94	+21	50	46	-1	W	4	c	-	70	48	*	-			
SPAN. PEN.	Frankfurt ...	29.79	52	W	4	3	30.04	+33	45	41	-7	SW	2	3	-	55	43	*	-			
	Munich ...	29.82	57	SE	4	3	30.13	+31	46	44	-4	SW	2	3	-	70	45	*	-			
	C. Gris Nez ...	29.60	47	WSW	5	3c	29.67	+23	47	47	-1	SSW	6	f	6	54	45	*	-			
	Brest ...	29.66	47	S	5	o	29.78	+67	52	51	+5	SW	5	o	5	52	47	*	0.16			
	Lorient ...	29.78	39	SW	6	r	29.88	+32	52	52	+5	W	6	7	-	55	39	*	0.24			
	Rochefort ...	29.96	52	WSW	5	o	30.00	+35	54	53	+5	WSW	3	o	3	55	41	*	0.28			
	Biarritz ...	30.13	53	W	2	o	30.15	+29	53	53	+5	SW	4	f	5	54	48	*	0.08			
	Paris ...	29.81	52	W	3	3	29.92	+45	47	45	-4	SW	4	o	-	54	45	*	-			
	Belfort ...	29.91	42	SW	5	o	30.05	+43	40	38	-11	WSW	3	m	-	62	36	*	0.04			
	Lyons ...	30.02	44	SE	1	o	30.15	+57	39	36	-20	E	1	3	-	62	35	*	0.24			
Nice ...	30.00	49	Z	0	c	30.10	+21	45	44	-5	Z	0	3	-	55	41	*	0.63				
Perpignan ...	30.06	52	W	4	c	30.16	+42	47	43	0	W	2	o	-	54	43	*	-				
SPAN. PEN.	Corunna ...	30.39	53	W	3	3	30.40	+16	54	51	+3	NW	3	3c	-	57	50	*	-			
	Lisbon ...	30.33	58	SW	5	3	30.34	+06	59	57	+2	WSW	4	o	3	61	57	*	-			
	Azores (P. Delgada)	30.26	60	SW	4	3c	30.26	+03	60	59	+2	SW	3	o	1	63	58	*	-			

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

+ Observations received too late for insertion in Charts on next page.

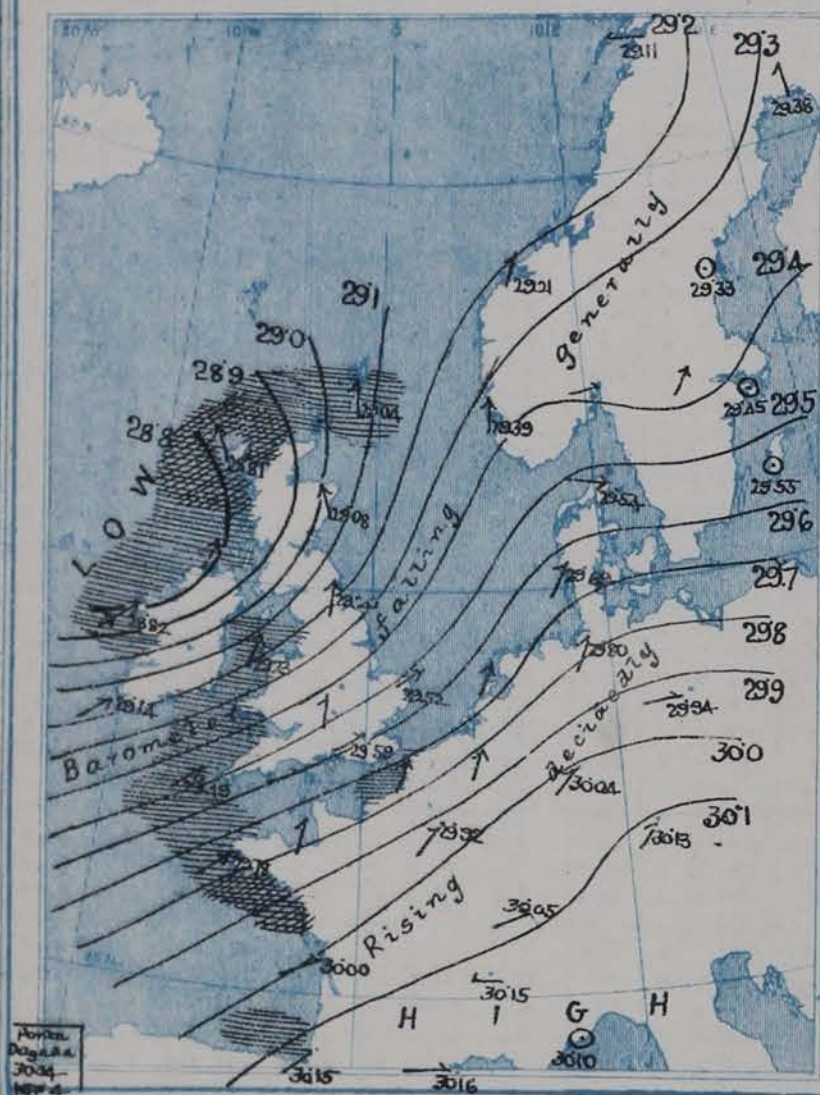


FOR Saturday, 28<sup>th</sup> March, 1903.

**BAROMETER.**—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10  $\longrightarrow$   $\longrightarrow$  Force 5 to 7  $\longrightarrow$   $\longrightarrow$  } Calm ☉  
Force 8 to 10  $\longrightarrow$   $\longrightarrow$  Force 1 to 4  $\longrightarrow$   $\longrightarrow$



TEMPERATURE.—Isotherms are drawn for each  $10^{\circ}$

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.— { A dotted line separates areas where rain has fallen from those  
without rain. The fall in past 24 hours when exceeding half  
an inch is shown thus— 0.6



Yesterday morning



IV. *Averages of* DAILY MAXIMUM  
and MINIMUM TEMPERATURES  
*combined for the month of*  
MARCH (1871-1900)



V. Means of DAILY TEMPERATURE  
at 8 A.M. for the Two monthly period  
MARCH - APRIL (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The barometer is now highest, 29.8 ins. and upwards, over the extreme southern parts of France and Germany, and is lowest, 29.0 ins. and less, in a shallow cyclonic area lying outside the Hebrides. The latter system is apparently moving away from our neighbourhood, and the barometer is rising slowly in most parts of the United Kingdom. During the night however a "V-shaped" secondary depression has moved from the Bay of Biscay to the southeast of England and the northeast of France; the barometer is consequently falling in those regions and also in Denmark, Germany and the Netherlands, while in the west of France it is rising again briskly.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is light to moderate from the S<sup>wd</sup> or S<sup>W</sup><sup>wd</sup> over the greater part of these Islands and also in Scandinavia, but still blows with the force of a gale at Skudesnaes. On our southeast coasts and over central France, Germany and the Netherlands it varies between S and E, while in the Bay of Biscay and the western parts of the Channel it is strong from W or NW. Temperature has fallen over northwestern Europe generally, but has risen quickly in Sweden, and slightly over Germany and central France. In the south and east of England the readings range between 47° and 51° and are still above the average; over Ireland and the northern parts of Great Britain they are either a trifle above or a trifle below 40°, and differ but little from the normal. Over Germany, the Netherlands and central France the thermometer is above 50°, the highest reading reported being 59° at Lyons. The weather is fair over the United Kingdom as a whole, but is showery at a few of our western and southern stations; in the western parts of the Continent it is cloudy or dull, with rain at Rochefort and also at Bodo. The sea remains rather rough on our southwestern and extreme northern coasts.

During yesterday the thermometer rose to 55° and upwards at several of our eastern and southern stations, where the amount of bright sunshine was large, and to 58° in London. Rain fell over the greater part of northwestern Europe; a thunderstorm occurred at Dungeness, Harrogate and Newton Reigny (Perith), and lightning was seen in the evening or night in many parts of England.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The "V-shaped" secondary disturbance in the southeast will probably continue to travel northeastwards, and in its rear the wind in those parts will shift to the W<sup>wd</sup> or NW<sup>wd</sup>, with fair, but cooler, weather. The conditions are still favourable for the approach of cyclonic systems from the Atlantic towards our western coasts.

## FORECASTS \*

For the 24 hours ending at NOON on 28<sup>th</sup> March

1903

### DISTRICTS.

### FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

SW<sup>ly</sup> to S<sup>ly</sup> winds, moderate or fresh; fair at first, some showers later.

S<sup>ly</sup> and SW<sup>ly</sup> winds, light; cool, changeable, some showers.

Wind veering to the W<sup>wd</sup> or NW<sup>wd</sup>; cloudy at first, with some showers, then fair.

Becoming temporarily cooler.

### DISTRICTS.

### FORECASTS.

- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH

Same as Nos. 0 and 1.

W<sup>ly</sup> to SW<sup>ly</sup> winds, fresh or strong; fair at first, some rain later.

SW<sup>ly</sup> winds, freshening; fair at first, some rain later.

### WARNINGS

None issued.

Note.—The South Cone, point downwards (  $\nabla$  ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (  $\nabla$  ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page.



ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.						THIS MORNING 8 A.M.						PAST 24 HOURS.					
	Bar. Inch.	Temp. °	Wind.	Weather.	Barometer.		Temperature			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shining Hrs.	Rainfall Inch.	
					Inch.	Change.	Dry.	Wet.	Change.					Max.	Min.			
Clacton-on-Sea ... ..	"	"	"	"	"	"	"	"	"	"	C	"	B, Bc	54	46	9.7	0.05	
Newton Reigny (Penrith)	29.20	44	SW 4	0	29.31	+ .19	42	41	- 2	SW 1	0	*	cg, cl r	50	40	3.0	0.37	
Bath ... ..	29.40	50	N 1	3	29.44	+ .04	42	41	- 8	NW 2	0	*		53	41	0.0	0.61	

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m. ....	57	43	op, c	2.6	0.06	Eastbourne	0	0	*	8.1	*
Rhyl	*	*	*	6.3	*	Hastings	*	*	*	*	*
Llandudno	*	*	*	6.5	*	Lowestoft, to 6 p.m.	56	48	bc, 3	7.8	0.01
Aberystwyth, to 6 p.m.	52	45	oc	7.0	0.18	Harrogate, to 6 p.m.	60	42	oc, r, or	2.4	0.07
Plymouth, to 9 p.m.	52	38	bc, sp	5.6	0.17	Manchester, to 9 p.m.	60	43	gn, bc, p, 3	3.3	0.08
Worthing	*	*	*	8.0	*	Darwen, to 9 p.m.	55	38	oc, r, or	1.6	0.08
Brighton	*	*	*	8.3	*	Birmingham, to 9 p.m.	57	44	c, p, 3	4.7	0.07

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 26... <u>Mar</u> 1903.	TEMPERATURE, F.		WEATHER.		RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.		RAIN.
	Max. °	Min. °					Max. °	Min. °			
Utrecht... ..	70	43	bc	o	Ins.	Tunis ... ..	68	50	bc	bc	Ins.
Madrid ... <i>not rec'd</i>					—	Algiers ... ..	81	61	b	o	—
Vienna ... ..	64	46	b	b	—	Madeira (Funchal) <i>not rec'd</i>					
St. Petersburg ... ..	48	21	c	an	0.04						
Trieste ... ..	57	39	b	b	—						
Florence ... ..	66	39	b	b	—	25... <u>Mar</u> ... 1903.	1 p.m.		1 p.m.		Measured 7 a.m.
Rome ... ..	63	42	b	b	—						
Corsica (I. Sanguinaires) ...	61	46	f	g.	—	Lugano ... ..	63	—	b		—
Naples ... ..	61	48	b	b	—	Davos ... ..	50	—	b		—
Palermo ... ..	65	41	b	b	—	Lucerne ... ..	59	—	b		—
Malta ... ..	63	56	?	b	—	Lausanne ... ..	63	—	b		—

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

**WEATHER.**—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.							
COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	27 <sup>th</sup> Dec., 1900.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.				
British Isles, Belgium† ...	8 a.m.(West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.‡	Yarmouth ... ..	5.42	11.59	6.15				
Holland ... ..	8 a.m.( „ „ )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.								
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.					Greenwich ... ..	5.50	12.6	6.22
France ... ..	7 a.m. (Paris) ... ..	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.					Wick ... ..	5.58	12.18	6.38
Spain ... ..	8 a.m.(West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.					Valencia ... ..	6.31	12.47	7.3
Portugal ... ..	8 a.m. (Lisbon) ... ..	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.								
Azores { Point Delgada ... ..	6 a.m. (Local) ... ..	7.43 a.m.	9 p.m. (Local)	10.43 p.m.								
Horta ... ..	6 a.m. (Local) ... ..	7.55 a.m.	9 p.m. (Local)	10.55 p.m.								

*SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.*

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.  
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**FORECASTS OF WEATHER** for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

! At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on Sunday 29<sup>th</sup> March

1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.	Temperature.				Wind.				Sea (0 to 9.)	Temp.				
		At 82° and M.S.L.	Dry Bulb.	Dir.	Force (0 to 12.)	Weather	At 82° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dir.	Force (0 to 12.)	Weather.			Max.	Min.	Sun- shine. Hours.	Rainfall. Ins.	
		Ins.	°				Ins.	Ins.	°												
SCANDINAVIA.	Haparanda ...	28.95	34	W	2	b	29.06	-32	34	32	+2	SSW	2	o	*	-	37	28	*	0.28	
	Hernösand ...	29.37	40	Z	0	b	29.02	-31	38	36	+1	S	4	o	*	-	43	34	*	0.24	
	Stockholm ...	29.61	43	Z	0	b	29.36	-09	47	45	+2	SW	6	e	*	-	52	36	*	-	
	Wisby ...	29.77	43	W	2	b	29.56	+01	47	44	-2	S	4	bc	*	-	50	37	*	-	
	Karlstad ...	29.49	42	S	4	+	29.33	-05	42	40	+1	SW	6	bc	*	-	"	"	*	0.04	
	Färder (X'ania Fjord)	29.36	42	SSW	6	m	29.29	-12	41	39	0	SW	7	m	4	-	43	41	*	0.08	
	Bodö ...	29.08	39	S	4	bc	28.84	-27	38	35	-5	E	4	bc	1	-	43	34	*	-	
	Christiansund ...	29.01	45	SW	2	bc	28.72	-49	48	39	+8	WSW	5	e	5	-	48	40	*	-	
	Skudesnaes ...	29.08	43	S	10	+	28.83	-56	42	39	+1	SW	10	o	7	o, r	43	41	*	-	
	Sumburgh Head	28.48	46	SSW	4	bc	28.87	-17	41	41	-1	W	10	+	8	r, bc	47	40	*	0.24	
BRITISH ISLANDS.	Stornoway ...	28.69	43	W	9	+	29.33	+52	40	36	-3	W	7	oq	7	r	48	36	0.4	0.34	
	Malin Head ...	29.16	43	W	8	cq	29.62	+85	40	39	-8	WNW	8	bcq	6	o, cq, p, l	49	38	*	0.15	
	Blacksod Pt. ...	29.41	41	WNW	7	cq, h, pm	29.72	+90	46	43	-3	SW	5	o, pm	5	cq, h, pm	49	38	*	0.23	
	Valencia ...	29.68	47	W	7	cp	29.91	+77	48	45	+1	SW	3	c	5	cq, p, cp	50	42	3.2	0.20	
	Roche's Point ...	29.66	45	WNW	5	c	29.94	+74	46	44	-5	W	2	b	3	c	51	41	*	0.08	
	Parsonstown ...	29.53	42	W	5	bc	29.86	+82	42	40	-8	S	2	b	*	o, q, p, bc	50	37	4.6	0.19	
	Donaghadee ...	29.29	45	WNW	3	bc	29.76	+71	40	38	-7	WSW	3	c	3	-	51	36	*	0.15	
	Liverpool Obsy. ...	29.52	47	W	7	bc	29.88	+58	45	40	-5	W	5	bc	5	q, p, bc	56	41	*	0.04	
	Holyhead ...	29.44	46	W	7	bcq	29.87	+64	44	42	-5	WSW	6	c	5	r, q, bcq	50	42	*	0.15	
	Pembroke (St. Ann's)	29.65	46	WNW	7	o	29.97	+61	47	45	-3	W	5	c	5	o, p.	50	42	1.1	0.15	
GERMANY, &c.	Scilly (St. Mary's)...	29.75	50	W	6	c	30.07	+58	48	45	-3	W	5	cp	6	r, bcq, c	53	45	4.2	0.14	
	Jersey (St. Aubins)...	29.83	52	W	5	bm	30.21	+43	48	46	-5	WSW	5	bc	4	o, b, m, p	56	47	1.4	0.09	
	Portland Bill ...	29.70	47	W	5	bcq, p	30.09	+47	48	46	-2	W	5	b	5	r, q, bcq, p	53	45	*	0.06	
	Dungeness ...	29.65	50	W	8	bcq	30.08	+43	49	47	-2	WNW	5	bc	4	c, bcq	55	43	*	0.02	
	Wick ...	28.65	40	NW	9	o	29.25	+37	36	34	-7	NW	7	bc	4	r, sh, p, o	45	34	*	0.18	
	Nairn ...	28.81	42	SSW	5	o	29.40	+50	37	37	-8	SW	3	o	4	-	52	34	*	0.18	
	Aberdeen ...	28.87	46	SW	6	b	29.45	+37	42	37	0	SW	4	br	2	r, q, c, b	51	37	3.5	0.08	
	Leith ...	29.09	44	WSW	5	b	29.59	+55	41	39	-7	WSW	4	bp	*	-	51	36	*	0.11	
	North Shields ...	29.22	47	SW	5	bc	29.66	+46	43	40	-4	SW	4	b	2	c, bc, p	56	40	*	0.02	
	Spurn Head ...	29.35	50	WSW	6	bc	29.83	+43	44	41	-4	WSW	5	b	4	-	56	40	*	0.07	
FRANCE.	Yarmouth ...	29.48	52	WSW	6	cq	29.94	+42	44	40	-6	WSW	4	b	3	c, cq	58	38	*	0.03	
	Loughborough ...																				
	Oxford ...	29.71	46	W	3	b	30.05	+53	44	42	-5	SW	3	b	*	q, b, r, h	56	40	*	0.15	
	London (Brixton)...	29.62	47	WSW	5	bc	30.05	+46	46	43	-5	WSW	5	b	*	o, q, p, bc	57	40	0.3	0.16	
	The Scaw (Skagen)	29.44	43	SSW	4	m	29.45	-09	43	41	0	W	6	m	2	-	48	43	*	0.04	
	Fanö ...	29.52	47	SSW	8	o	29.73	+04	43	41	-1	SW	6	b	*	-	48	43	*	-	
	Cuxhaven ...	29.70	52	SW	5	o	29.88	+08	46	44	+1	SW	4	bc	*	-	52	45	*	-	
	The Helder ...	29.56	50	SW	7	+	29.95	+31	46	43	+1	W	4	b	4	-	52	43	*	-	
	Brussels ...	*	*	*	*	*	30.15	+33	45	43	+1	W	4	b	*	-	54	42	*	0.04	
	Berlin ...	29.89	57	Z	0	c	29.96	+02	52	48	+2	W	3	o	*	-	61	50	*	-	
SPAN. PEN.	Frankfurt ...	29.96	58	SW	4	o	30.13	+09	48	44	+3	SW	2	bc	*	-	62	45	*	0.04	
	Munich ...	30.10	51	SW	2	b	30.21	+08	50	46	+4	SW	5	o	*	-	59	46	*	-	
	C. Gris Nez ...	29.78	48	SW	7	o	30.04	+37	47	44	0	WSW	5	b	5	-	54	45	*	0.12	
	Brest ...	29.91	51	NW	5	c	30.21	+43	50	46	-2	W	4	c	5	-	54	48	*	0.08	
	Lorient ...	29.97	53	W	6	m	30.26	+38	50	48	-2	W	5	o	5	-	55	46	*	-	
	Rochefort ...	30.08	54	WSW	7	o	30.31	+31	51	50	-3	N	2	o	*	o	59	48	*	-	
	Biarritz ...	30.28	58	S	2	o	30.41	+26	54	51	+1	WSW	2	c	4	-	59	50	*	0.24	
	Paris ...	29.91	58	SW	5	o	30.24	+32	45	43	-2	SW	2	b	*	-	59	43	*	-	
	Belfort ...	30.06	51	WSW	6	b	30.24	+19	45	44	+5	W	6	o	*	-	59	40	*	0.08	
	Lyons ...	30.15	56	S	1	c	30.30	+15	49	45	+10	SE	2	b	*	-	62	39	*	-	
SPAN. PEN.	Nice ...	30.15	49	Z	0	o	30.13	+03	54	47	+9	ENE	1	o	2	-	57	37	*	-	
	Perpignan ...	30.21	51	SW	1	o	30.27	+11	54	50	+7	NW	2	o	*	-	56	47	*	0.35	
SPAN. PEN.	Corunna ...	30.29	57	SW	4	+	30.41	+19	48	46	-9	W	1	f	7	-	63	41	*	0.16	
	Lisbon ...	30.38	55	NNW	4	o	30.38	-02	56	53	+2	NNE	2	b	*	-	61	50	*	-	
SPAN. PEN.	Azores (P. Delgada)	30.39	59	Z	0	b	30.36	+02	59	58	0	S	4	o	3	-	64	57	*	-	
	" (Horta) ...	30.34	60	SW	4	o	30.30	+04	60	59	0	S	4	o	2	-	66	59	*	0.28	

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

+ Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR SUNDAY, 29<sup>th</sup> MARCH, 1903.

## I. BAROMETER, WIND AND SEA. This Morning.

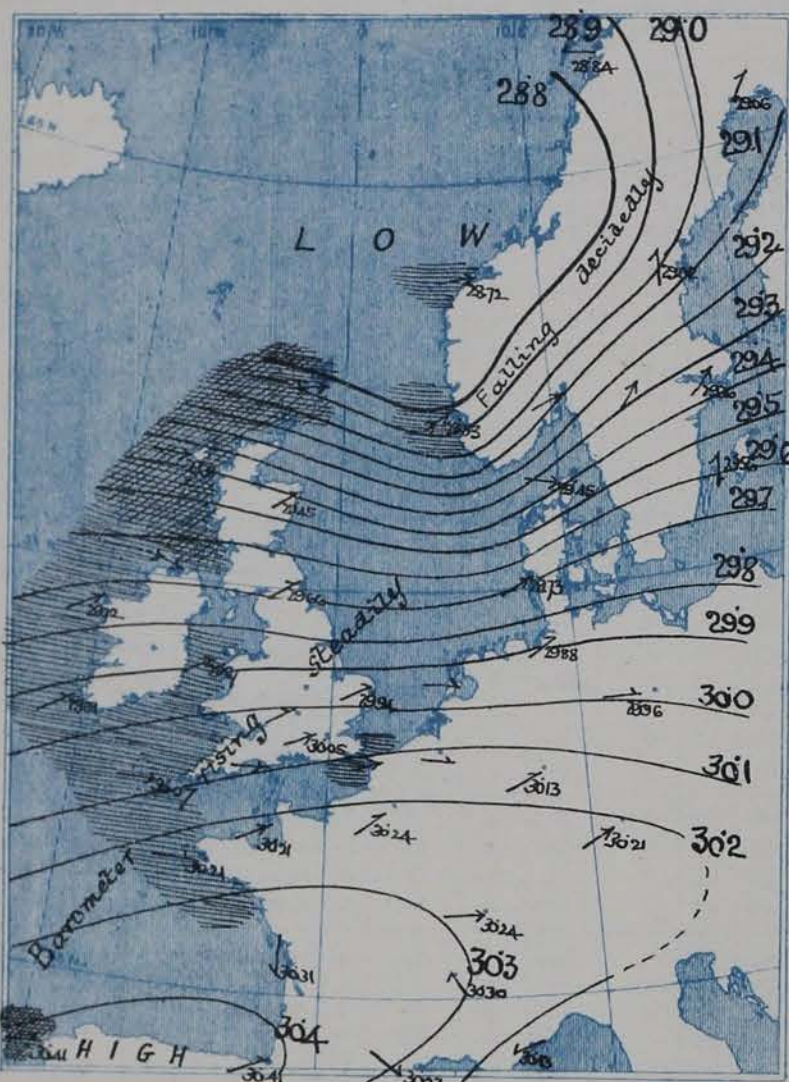
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ○

Force 8 to 10 → Force 1 to 4 → }

SEA.—Rough High

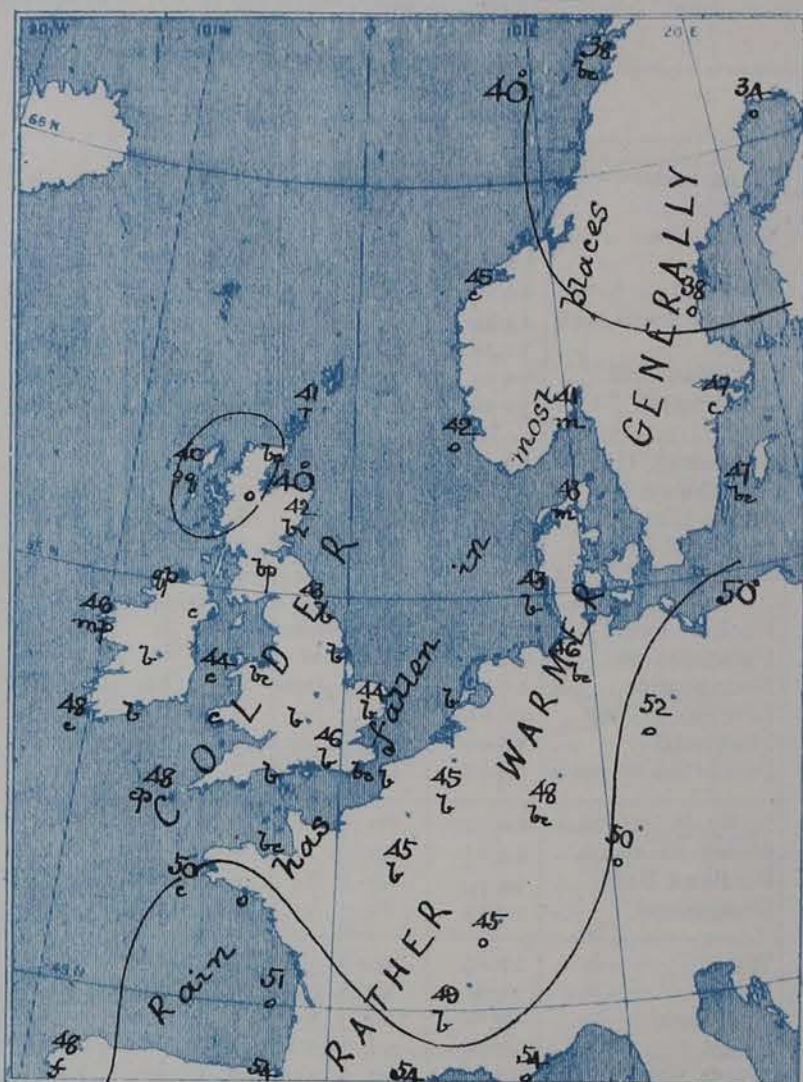


## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

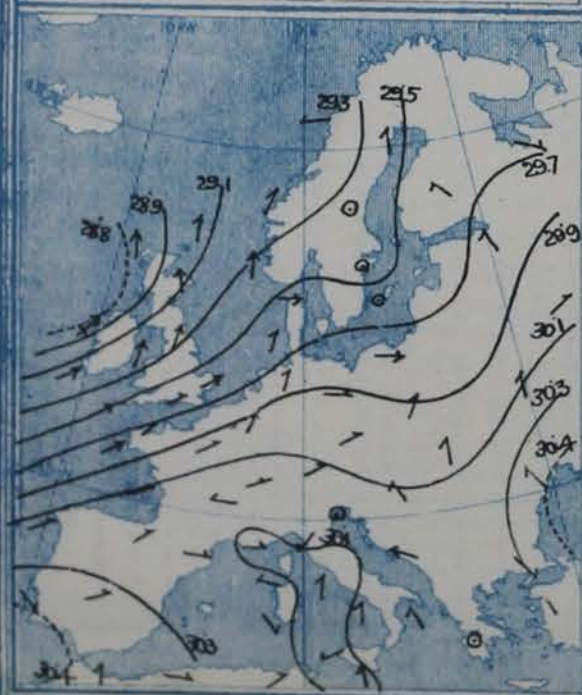
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—(A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6)



## III. BAROMETER AND WIND

Yesterday morning.



## IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES combined for the month of MARCH (1871-1900)



## V. Means of DAILY TEMPERATURE at 8 A.M. for the Two monthly period MARCH - APRIL (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

A deep cyclonic system has advanced quickly from the Atlantic, its centre being at present situated apparently at some little distance to the westward of Scotland. The barometer is falling in most parts of northwestern Europe, the lowest readings, 28.8 ins and less being reported in the Hebrides and the extreme north of Ireland; gradients are steep over the north of Ireland, and are rather steep over the whole of the United Kingdom and the North Sea. The highest readings, 30.1 ins. and upwards, are found in the south of France, and the barometer is rising over that country generally, as well as over Germany and the Netherlands.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

S<sup>W</sup> or SW<sup>W</sup> winds prevail over western Europe generally and blow very strongly on all our own western coasts, with a gale at Blacksod Point; in Scotland and the extreme north of England, however, the wind draws into the SE<sup>W</sup>. Temperature has risen over the United Kingdom and the west of France, and is again above the average, the readings being above 45° in nearly all parts of Ireland and England, and slightly above 50° at several of our southern stations; in the north of Scotland the thermometer is below 45°. Over Scandinavia, Denmark, Germany, the Netherlands and central France the thermometer has fallen, and in the northern parts of Sweden it is below 40°. Cloudy weather is reported very generally, with rain at many of our own western stations, as well as in the Netherlands, and with passing showers in the south of England. The sea is rough on our own western and extreme northern, and also on the French coasts, but moderate or slight off the east and south of Great Britain.

During yesterday the thermometer rose to 50° or slightly above it in many parts of the United Kingdom, and to 54° in London and at Jersey. At Brussels it rose to 65° and at Berlin and Munich to 70°. The amount of bright sunshine was generally small but exceeded 5 hours at some of our western stations, and reached 6 hours at Bath. Rain fell in nearly all parts of our area but the quantity was, as a rule, small.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic disturbance which is approaching our northwest coasts is likely to travel northeastwards. A considerable increase in the strength of the wind is probable over the United Kingdom generally, with gales in many places, and with heavy rain at several of our northern stations.

## FORECASTS \*

For the 24 hours ending at NOON on 29<sup>th</sup> March.

1903

### DISTRICTS.

### FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

S<sup>W</sup> to SW<sup>W</sup> gales or strong winds; squally and rainy at first, improving later.

SW<sup>W</sup> winds, increasing in force; mild and cloudy, with occasional rain.

### DISTRICTS.

### FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

SW<sup>W</sup> to W<sup>W</sup> gales, moderating later; squally, showery.

### WARNINGS

At 7.10 pm yesterday to districts 5 and 8 and at 9.45 a.m. today to districts 0 to 2, 6, 7, 9 and 10 Hoist South Cone.

Note.—The South Cone, point downwards (T), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone. The North Cone, point upwards (T), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page.



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.						PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	09	*	3c,c	52	45	3.5	0.09
Newton Reigny (Penrith)	29.37	41	SSW 2	3c	29.16	- .15	45	44	+ 3	SE 3	r	*	c, or	49	39	6.3	0.04
Bath ... ..	29.55	49	W 4	0	29.53	+ .09	52	49	+ 10	S 4	3	*	-	53	42	6.0	0.01

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	51	43	3c, 6	5.6	-	Eastbourne ... ..	0	0	*	2.0	*
Rhyl ... ..	*	*	*	4.8	*	Hastings ... ..	*	*	*	1.3	*
Llandudno ... ..	*	*	*	5.2	*	Lowestoft, to 6 p.m.	51	44	3c, c	1.1	0.07
Aberystwyth, to 6 p.m.	51	46	3c	7.0	0.03	Harrogate, to 6 p.m.	54	45	0, c, 3c	2.0	0.25
Plymouth, to 9 p.m....	52	39	3, 3c, 8r	6.7	0.31	Manchester, to 9 p.m.	60	40	7, 3c	1.8	0.19
Worthing ... ..	*	*	*	2.3	*	Darwen, to 9 p.m. ...	55	37	0, c, 3v	2.0	0.29
Brighton ... ..	*	*	*	2.2	*	Birmingham, to 9 p.m.	52	38	7, c	2.1	0.43

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 27 Mch. 1903.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Utrecht ... ..	61	46	0 bc	Ins.	Tunis ... ..	81	54	6c 0	Ins.
Madrid ... <i>not rec'd</i>	*	*	*	*	Algiers ... ..	81	55	0 r	—
Vienna ... ..	72	?	bc 2c	—	Madeira (Funchal) <i>not rec'd</i>	*	*	*	—
St. Petersburg ... ..	28	21	0 bc	—					
Trieste ... ..	55	41	c bc	—					
Florence ... ..	69	46	b 0	—					
Rome ... ..	64	51	b 0	—					
Corsica (I. Sanguinaires)	64	48	f f	—					
Naples ... ..	64	51	f c	—					
Palermo ... ..	76	50	b 0	—					
Malta ... ..	64	55	? c	—					

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.  
\* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium†	8 a.m. (West European)	8 a.m.	6 p.m.† (W.E.T.)	6 p.m.†
Holland ... ..	8 a.m. ( " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France ... ..	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal ... ..	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Point Delgada ...	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Horta ... ..	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

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

28 Mch. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	5.39	11.58	6.17
Greenwich ... ..	5.47	12. 5	6.23
Wick ... ..	5.55	12.17	6.40
Valencia ... ..	6.28	12.46	7. 4

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on *Monday, 30<sup>th</sup> March, 1903.*

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)						THIS MORNING. (See note on last page.)										PAST 24 HOURS.					
		BAROM.		TEMP.		WIND.		BAROMETER.		TEMPERATURE.				WIND.		Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.		
		At 92° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 92° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather.	Max.			Min.					
																			Ins.			°	Ins.
SCANDINAVIA.	Haparanda ...	29.11	32	SW	4	0	29.15	+0.9	30	28	-4	NNW	2	0	*	-	36	30	*	0.16			
	Hernösand ...	29.05	42	Z	0	0	29.25	+2.3	43	41	+5	W	2	0	*	-	50	27	*	-			
	Stockholm ...	29.44	42	SW	8	0	29.61	+2.5	43	39	-4	SW	8	0	*	-	50	41	*	-			
	Wisby ...	29.76	41	SW	6	0	29.80	+2.4	42	38	-5	SW	4	0	*	-	50	36	*	-			
	Karlstad ...	29.46	41	W	8	0	29.66	+3.3	41	37	-1	SSW	4	0	*	-	*	*	*	-			
	Færder (X'ania Fjord)	29.45	42	SW	7	0	29.64	+3.5	41	40	0	SSW	4	0	3	-	43	39	*	-			
	Bodö ...	29.93	34	E	2	0	29.23	+3.9	33	28	-5	NNE	4	0	2	-	38	30	*	-			
	Christiansund ...	29.91	42	W	9	0	29.39	+6.7	41	39	-7	W	8	0	6	-	48	41	*	0.22			
	Skudesnaes ...	29.59	42	SW	8	0	29.45	+6.2	42	41	0	SSE	8	0	5	-	43	39	*	*			
	Sumburgh Head	29.40	43	W	6	0	29.12	+2.5	42	41	+1	W	3	0	5	0, C	46	40	*	0.24			
BRITISH ISLANDS.	Stornoway ...	29.31	44	SW	7	0	29.04	-2.9	38	37	-2	W	5	0	5	0, C, T	48	36	5.3	0.43			
	Malin Head ...	29.40	47	SW	7	0	29.13	-4.9	43	42	+3	W	9	0	7	0, C	49	40	*	0.19			
	Blacksod Pt. ...	29.37	48	SSW	8	0	29.47	-1.25	46	43	0	WNW	10	0	7	0, 0, 0, 0	50	44	*	0.19			
	Valencia ...	29.69	50	S	6	0	29.86	-1.05	45	41	-3	WSW	8	0	6	0, 0, 0, 0	52	39	1.2	0.29			
	Roche's Point ...	29.80	50	SW	4	0	29.84	-1.0	44	41	-2	WNW	6	0	5	0, C	52	42	*	0.11			
	Parsonstown ...	29.67	50	SSW	4	0	29.68	-1.8	44	39	+2	WSW	6	0	5	0, 0, 0	52	38	4.2	0.21			
	Donaghadee ...	29.68	48	WSW	3	0	29.41	-3.5	42	40	+2	WSW	6	0	4	0, 0, 0	51	38	*	0.22			
	Liverpool Obsy.	29.87	48	WSW	6	0	29.67	-2.1	45	40	0	W	6	0	5	0, 0, 0, 0	53	39	*	0.13			
	Holyhead ...	29.63	48	SSW	6	0	29.66	-2.1	43	41	-1	WSW	8	0	7	0, 0, 0	51	41	*	0.13			
	Pembroke (St. Ann's)	29.92	48	SW	6	0	29.83	-1.4	47	44	0	W	8	0	6	0, 0, 0	50	43	7.9	0.06			
GERMANY, &c.	Scilly (St. Mary's)...	30.06	50	SW	5	0	29.99	-0.8	48	46	0	W	7	0	5	0, C, 0	55	46	7.5	0.09			
	Jersey (St. Aubins)...	30.22	50	SW	3	0	30.08	-1.3	45	43	-3	WSW	5	0	4	0, 0, 0, 0	57	45	8.0	0.12			
	Portland Bill ...	30.12	49	WSW	4	0	29.93	-1.6	48	46	0	W	5	0	4	0, 0, 0	52	46	*	0.06			
	Dungeness ...	30.16	50	WSW	6	0	29.91	-1.7	46	46	-3	WNW	5	0	4	0, 0, 0	53	46	*	0.06			
	Wick ...	29.21	43	WNW	7	0	29.11	-1.4	40	39	+4	SW	3	0	2	-	48	36	*	-			
	Nairn ...	29.45	45	W	2	0	29.10	-3.0	38	38	+1	Z	0	0	1	-	50	34	*	0.14			
	Aberdeen ...	29.59	47	S	4	0	29.22	-2.3	41	38	-1	SSW	4	0	2	-	51	38	9.5	-			
	Leith ...	29.64	49	SW	4	0	29.29	-3.0	43	40	+2	SW	6	0	2	-	52	38	*	0.20			
	North Shields ...	29.78	49	SW	4	0	29.44	-2.2	45	40	+2	SW	3	0	2	-	52	40	*	0.04			
	Spurn Head ...	29.93	48	SW	5	0	29.65	-1.8	44	42	0	SW	5	0	3	0, 0, 0	53	37	*	0.16			
FRANCE.	Yarmouth ...	30.00	50	WSW	4	0	29.75	-1.9	45	42	+1	WSW	5	0	4	0, 0	54	41	*	0.19			
	Loughborough ...																						
	Oxford ...	30.03	46	SW	1	0	29.85	-2.0	46	43	+2	SW	4	0	4	0, 0, 0	50	43	*	0.03			
	London (Brixton)...	30.08	48	WSW	4	0	29.86	-1.9	47	44	+1	WSW	4	0	4	0, 0, 0	57	43	5.1	0.25			
	The Scaw (Skagen)	29.70	42	W	7	0	29.72	+2.7	41	40	-2	SW	4	0	1	-	46	39	*	-			
	Fanö ...	29.96	43	SSW	6	0	29.80	+0.7	44	43	+1	SSW	6	0	1	-	46	43	*	-			
	Cuxhaven ...	30.08	46	W	4	0	29.93	+0.5	43	41	-3	SW	4	0	1	-	48	41	*	-			
	The Helder ...	30.05	47	SW	4	0	29.77	-1.8	48	45	+2	SW	7	0	5	-	50	46	*	-			
	Brussels ...	*	*	*	*	*	30.02	-1.3	47	43	+2	SW	5	0	1	-	54	42	*	0.04			
	Berlin ...	30.17	50	W	2	0	30.15	+1.9	44	41	-8	SW	1	0	1	-	57	39	*	-			
SPAN. PEN.	Frankfurt ...	30.23	51	SW	2	0	30.17	+0.4	47	41	-1	SW	2	0	1	-	59	45	*	-			
	Munich ...	30.34	45	W	2	0	30.28	+0.7	42	41	-8	Z	0	0	1	-	54	37	*	-			
	C. Gris Nez ...	30.15	47	SW	4	0	29.92	-1.2	48	46	+1	SW	6	0	6	-	57	45	*	0.08			
	Brest ...	30.21	51	SW	3	0	30.11	-1.0	51	50	+1	?	5	0	6	-	54	50	*	-			
	Lorient ...	30.28	52	WSW	5	0	30.17	-0.9	51	50	+1	W	5	0	7	-	57	48	*	-			
	Rochefort ...	30.33	54	WSW	3	0	30.28	-0.3	52	51	+1	SW	4	0	5	-	57	48	*	-			
	Biarritz ...	30.41	55	Z	0	0	30.42	+0.1	51	50	-3	Z	0	0	5	-	59	48	*	-			
	Paris ...	30.27	54	SW	3	0	30.19	-0.5	48	45	+3	SW	3	0	1	-	58	47	*	-			
	Belfort ...	30.32	48	WSW	4	0	30.30	+0.6	38	36	-7	WSW	3	0	1	-	57	35	*	-			
	Lyons ...	30.35	32	NNW	1	0	30.36	+0.6	45	39	-4	W	1	0	1	-	57	32	*	-			
Nice ...	30.17	54	Z	0	0	30.20	+0.7	53	46	-1	Z	0	0	1	-	63	46	*	-				
Perpignan ...	30.28	57	NW	2	0	30.31	+0.4	52	46	-2	W	3	0	1	-	61	46	*	-				
Corunna ...																							
Lisbon ...																							
Azores (P. Delgada)																							
" (Horta) ...	30.30	59	SE	3	0	30.18	-1.2	58	56	-2	SSE	3	0	4	-	63	57	*	-				

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR *Monday, 30<sup>th</sup> March, 1903.*

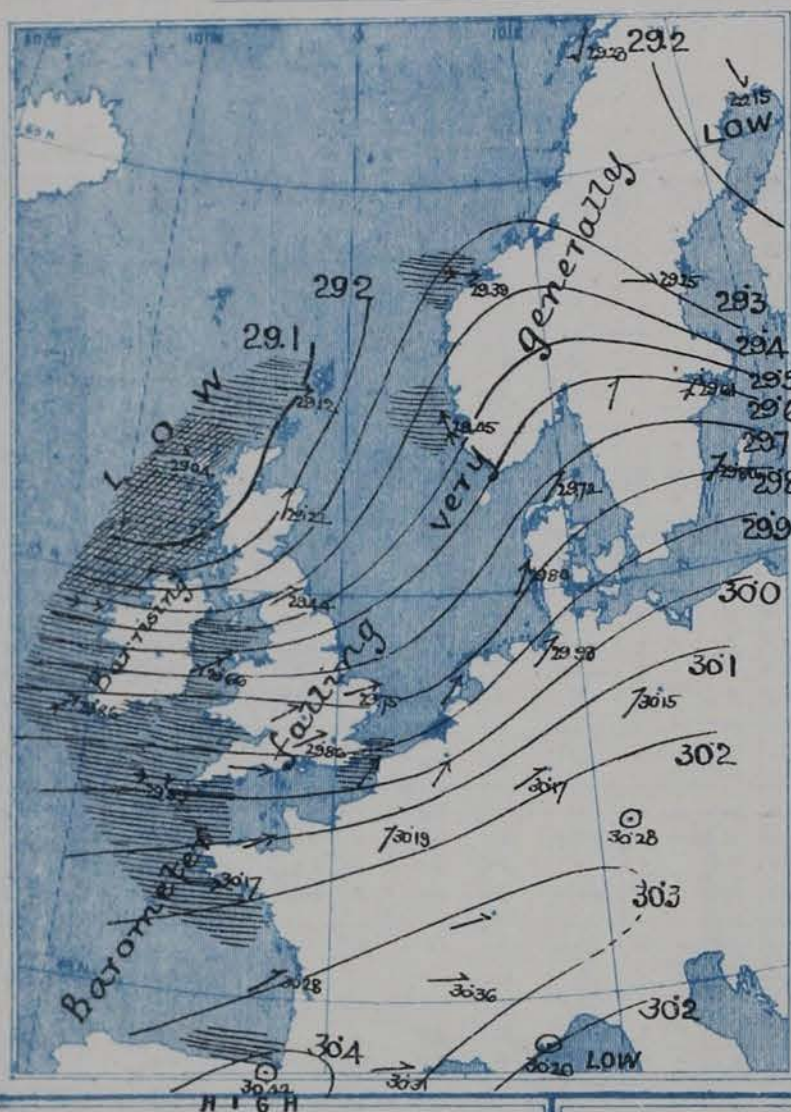
## I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉  
Force 8 to 10 → Force 1 to 4 →

SEA.—Rough High



## II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6



## III. BAROMETER AND WIND

*Yesterday morning.*



## IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES combined for the month of MARCH (1871-1900)



## V. Means of DAILY TEMPERATURE at 8 A.M. for the Two monthly period MARCH - APRIL (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Barometric pressure now ranges from 30.4 ins. and upwards in an anticyclone over Spain and Portugal, to about 28.7 ins. in a large and deep cyclonic disturbance moving in a northeasterly direction off the west coast of Norway. Gradients are very steep over the North Sea, the North of Scotland, Denmark and Scandinavia. The mercury is rising again decidedly over our Islands and France, still falling briskly in Norway and Sweden.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind has veered to the W<sup>nd</sup> over France and the greater part of the United Kingdom, but has already backed to S.W. again in the west of Ireland. To the eastward and northward of the North Sea it is chiefly S.W.<sup>ly</sup> or S.<sup>ly</sup>, but at Bodø there is an E<sup>ly</sup> breeze. At Skudesnaes and in the Shetlands a whole gale is reported and at Blackhead Point a fresh gale, but in other regions the wind is less strong in force.

Temperature has fallen over the United Kingdom, more in most Continental districts. It ranges from 56° at Lisbon, 54° in the south of France, and 52° at Berlin to 42° at Parsonstown, 36° at Wick, and 34° at Hararunda.

The weather is at present fair or fine in most places, but showers are falling in a few British and Irish localities and steady rain at Lumburg Head. The sea is high in the north, rough or rather so on exposed parts of our west and southwest coasts, slight in the east.

The highest temperature readings recorded over our Islands yesterday were 58° and 57° at Yarmouth and in London, but at Jersey, Liverpool, and on the east coast of England the maxima were as high as 56°. Rain has fallen in nearly all places, but the amounts have not been very heavy. Bright sunshine was very deficient generally but at Parsonstown there was as much as 4.6 ins.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS \*

For the 24 hours ending at NOON on 30<sup>TH</sup> MARCH, 1903

### DISTRICTS.

### FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

None issued.

### DISTRICTS.

### FORECASTS.

- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH

None issued.

### WARNINGS

At 2.50 pm. yesterday to District 3, "Hoist South Cone." The Signals are still up on all other coasts.

*Note.*—The South Cone, point downwards (  $\nabla$  ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.  
The North Cone, point upwards (  $\nabla$  ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page.



ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.						
	Bar. In.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall In.
					In.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	bc	*	c, b	56	42	2.4	0.02
Newton Reigny (Penrith)																	
Bath ... ..	29.59	48	SW 6	0	30.06	+ .53	46	43	-6	W 3	b	*	-	55	42	2.0	0.23

### REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	54	40	op.c.b	1.2	0.06	Eastbourne ... ..	50	36	*		
Rhyl ... ..	54	38	*		*	Hastings ... ..	50	38	*	0.5	*
Llandudno ... ..	54	38	*	1.8	*	Lowestoft, to 6 p.m. No 2. recd.					
Aberystwyth, to 6 p.m. ...	51	42	o	1.0	0.04	Harrogate, to 6 p.m. ...	55	38	bc, o, c, q, r	0.6	0.07.
Plymouth, to 9 p.m....	54	46	o, q, r, bc	2.0	0.10	Manchester, to 9 p.m. No 2. recd.					
Worthing ... ..	54	38	*	0.9	*	Darwen, to 9 p.m. ...	50	36	o, m, h, b, v	0.0	0.24
Brighton ... ..	54	38	*		*	Birmingham, to 9 p.m. ...	53	41	o, r, o	0.5	0.16

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 28 March 1903.	TEMPERATURE, F.		WEATHER.		RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.		RAIN.
	Max. °	Min. °					Max. °	Min. °			
Utrecht... ..	52	43	0	r	Ins.	Tunis ... ..	77	48	2	2	Ins. 0.20
Madrid ... ..	54	41	0	b	—	Algiers ... ..	63	52	2	2	0.04
Vienna ... ..	72	50	6	0	—	Madeira (Funchal) <i>not rec'd</i>					
St. Petersburg ... ..	52	32	6	c	—						
Trieste ... ..	66	41	0	0	—						
Florence ... ..	67	50	0	r	0.16	27 March 1903.	1 p.m.		1 p.m.		Measured 7 a.m.
Rome ... ..	19	56	0	0	—						
Corsica (I. Sanguinaires) ...	59	46	2	f	0.79	Lugano ... ..	48	—	r		0.04
Naples ... ..	66	55	0	0	—	Davos ... ..	46	—	0		—
Palermo ... ..	79	53	0	0	—	Lucerne ... ..	61	—	6c		—
Malta ... ..	63	58	0	0	—	Lausanne ... ..	59	—	0		—

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1

**WEATHER.**—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corres- ponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corres- ponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.‡
Holland ... ..	8 a.m. ( " " )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France ... ..	7 a.m. (Paris) ... ..	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal ... ..	8 a.m. (Lisbon) ... ..	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Point Delgada ... ..	6 a.m. (Local) ... ..	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
{ Horta ... ..	6 a.m. (Local) ... ..	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

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

UNITED KINGDOM, 10-DAY.			
29 <i>Mch</i> , 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	5.36	11.58	6.19
Greenwich ... ..	5.45	12. 5	6.25
Wick ... ..	5.52	12.17	6.42
Valencia ... ..	6.26	12.46	7. 6

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† The evening observations in Belgium are not given on page 1.

: At Oxford the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on *Tuesday, 31<sup>st</sup> March, 1903.*

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)						THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.		BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.		
		At 82° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 82° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather.			Max.	Min.				
																					Ins.	°
SCANDINAVIA.	Haparanda ...	29.53	21	?	2	0	29.82	+0.67	20	18	-10	N	2	0	0	-	30	19	*	-		
	Hernösand ...	29.60	32	X	0	0	29.78	+0.53	31	30	-12	NE	4	0	0	-	48	30	*	-		
	Stockholm ...	29.69	43	SW	2	0	29.67	+0.06	41	40	-2	S	2	0	0	-	54	39	*	-		
	Wisby ...	29.85	42	SSW	2	0	29.67	-0.13	41	39	-1	Z	0	0	0	-	50	34	*	-		
	Karlsstad ...	29.56	41	SE	4	0	29.67	+0.01	39	38	-2	SW	2	0	0	-	41	37	*	0.04		
	Færder (X'ania Fjord)	29.50	40	S	2	0	29.61	-0.03	39	38	-2	NNE	1	0	3	-	41	37	*	0.08		
	Bodö ...	29.62	32	NE	2	0	29.93	+0.70	28	26	-5	E	4	0	1	-	36	25	*	-		
	Christiansund ...	29.48	42	SE	2	0	29.82	+0.43	35	33	-6	NE	6	0	5	-	46	34	*	0.04		
	Skudesnaes ...	29.48	41	S	2	0	29.75	+0.30	40	39	-2	NNW	4	0	0	-	42	36	*	-		
	Sumburgh Head	29.36	43	N	2	0	29.93	+0.81	42	41	0	N	3	0	4	0	47	39	*	0.01		
BRITISH ISLANDS.	Stornoway ...	29.58	43	N	4	0	30.07	+1.03	42	42	+4	NNW	1	0	1	0	46	38	4.6	0.13		
	Malin Head ...	29.68	45	NW	6	0	30.14	+1.01	45	45	+2	W	2	0	3	0	46	37	*	0.16		
	Blacksod Pt. ...	29.97	48	NW	7	0	30.18	+0.71	46	43	0	SSW	3	0	3	0	50	39	*	0.06		
	Valencia ...	30.18	48	WNW	6	0	30.25	+0.39	46	43	+1	S	2	0	4	0	50	43	0.0	0.01		
	Roche's Point ...	30.09	49	NW	7	0	30.26	+0.42	43	41	-1	NW	1	0	1	0	51	39	*	-		
	Parsonstown ...	29.97	48	W	5	0	30.25	+0.57	41	39	-3	SE	1	0	0	0	50	37	6.1	0.01		
	Donaghadee ...	29.65	47	NNW	5	0	30.15	+0.74	46	44	+4	NNW	2	0	2	0	48	38	*	0.14		
	Liverpool Obsy.	29.69	43	W	8	0	30.15	+0.48	46	44	+1	WNW	5	0	5	0	49	42	*	0.07		
	Holyhead ...	29.74	43	WNW	9	0	30.19	+0.53	45	44	+2	WNW	6	0	5	0	49	41	*	0.38		
	Pembroke (St. Ann's)	29.94	48	WNW	8	0	30.21	+0.38	46	44	-1	NW	5	0	5	0	49	44	5.1	-		
GERMANY, &c.	Scilly (St. Mary's)...	30.14	49	WNW	8	0	30.29	+0.30	49	45	+1	NW	4	0	5	0	51	45	8.4	0.02		
	Jersey (St. Aubins)...	30.16	49	W	5	0	30.29	+0.21	49	45	+4	WNW	4	0	3	0	53	45	6.6	0.06		
	Portland Bill ...	29.98	48	WNW	7	0	30.21	+0.28	46	43	-2	NW	5	0	4	0	50	43	*	0.02		
	Dungeness ...	29.86	48	W	6	0	30.08	+0.17	47	45	+1	NNW	6	0	3	0	52	41	*	0.09		
	Wick ...	29.51	44	NW	4	0	30.03	+0.92	43	41	+3	NW	3	0	2	0	47	37	*	0.12		
	Nairn ...	29.45	41	WNW	0	0	30.04	+0.94	43	42	+5	W	1	0	1	0	48	35	*	0.13		
	Aberdeen ...	29.39	42	WNW	6	0	30.05	+0.83	44	40	+3	NW	4	0	2	0	48	37	3.8	0.10		
	Leith ...	29.50	45	WNW	3	0	30.06	+0.77	48	44	+5	W	1	0	0	0	48	38	*	0.08		
	North Shields ...	29.39	44	SW	5	0	30.04	+0.60	46	42	+1	WNW	3	0	2	0	50	38	*	0.01		
	Spurn Head ...	29.51	44	SW	5	0	30.02	+0.37	44	43	0	NW	4	0	4	0	52	41	*	0.02		
FRANCE.	Yarmouth ...	29.72	50	W	6	0	29.96	+0.21	45	42	0	NW	6	0	5	0	52	40	*	0.15		
	Loughborough ...	29.82	49	WSW	7	0	30.15	+0.30	46	43	0	WNW	2	0	0	0	52	42	*	0.03		
	Oxford ...	29.82	49	W	7	0	30.09	+0.23	47	44	0	NW	5	0	0	0	52	42	6.0	0.07		
	London (Brixton)...	29.82	49	W	7	0	30.09	+0.23	47	44	0	NW	5	0	0	0	52	42	6.0	0.07		
	The Scaw (Skagen)	29.58	40	W	2	0	29.64	-0.08	39	39	-2	WSW	3	0	1	0	45	36	*	0.32		
	Fanö ...	29.65	42	SSW	4	0	29.74	-0.06	42	41	-2	E	1	0	0	0	46	39	*	0.04		
	Cuxhaven ...	29.74	44	S	2	0	29.67	-0.26	40	39	-3	SSE	2	0	0	0	50	37	*	0.12		
	The Helder ...	29.66	46	SW	5	0	29.75	-0.02	45	42	-3	N	7	0	7	0	50	41	*	0.28		
	Brussels ...	29.83	52	SW	2	0	29.96	-0.06	43	40	-4	W	4	0	0	0	52	36	*	0.24		
	Berlin ...	29.99	42	SW	4	0	29.89	-0.28	41	39	-6	SW	4	0	0	0	54	39	*	0.12		
SPAN. PEN.	Munich ...	30.04	50	SW	5	0	30.00	-0.28	40	38	-2	W	6	0	0	0	59	37	*	-		
	C. Gris Nez ...	29.86	47	WSW	7	0	30.02	+0.10	43	42	-5	WNW	6	0	6	0	55	41	*	0.24		
	Brest ...	30.27	50	NW	4	0	30.34	+0.23	48	44	-3	NW	3	0	5	0	52	48	*	-		
	Lorient ...	30.27	51	W	6	0	30.35	+0.07	48	45	-4	NW	5	0	0	0	55	46	*	0.04		
	Rochefort ...	30.47	55	WNW	3	0	30.43	+0.01	53	52	+2	SSW	3	0	4	0	57	50	*	-		
	Biarritz ...	30.47	55	WNW	3	0	30.43	+0.01	53	52	+2	SSW	3	0	4	0	57	50	*	-		
	Paris ...	30.11	47	W	4	0	30.14	-0.05	46	42	-2	NW	3	0	0	0	57	43	*	0.08		
	Belfort ...	30.10	48	WSW	7	0	30.10	-0.20	34	34	-4	SW	7	0	0	0	53	34	*	0.12		
	Lyons ...	30.28	53	W	1	0	30.28	-0.08	40	39	-5	NW	3	0	0	0	58	40	*	0.08		
	Nice ...	30.13	52	SSE	1	0	29.93	-0.27	49	48	-4	SW	1	0	0	0	63	46	*	-		

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

\* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



# WEATHER CHARTS

FOR Tuesday, 31<sup>st</sup> March, 1903.

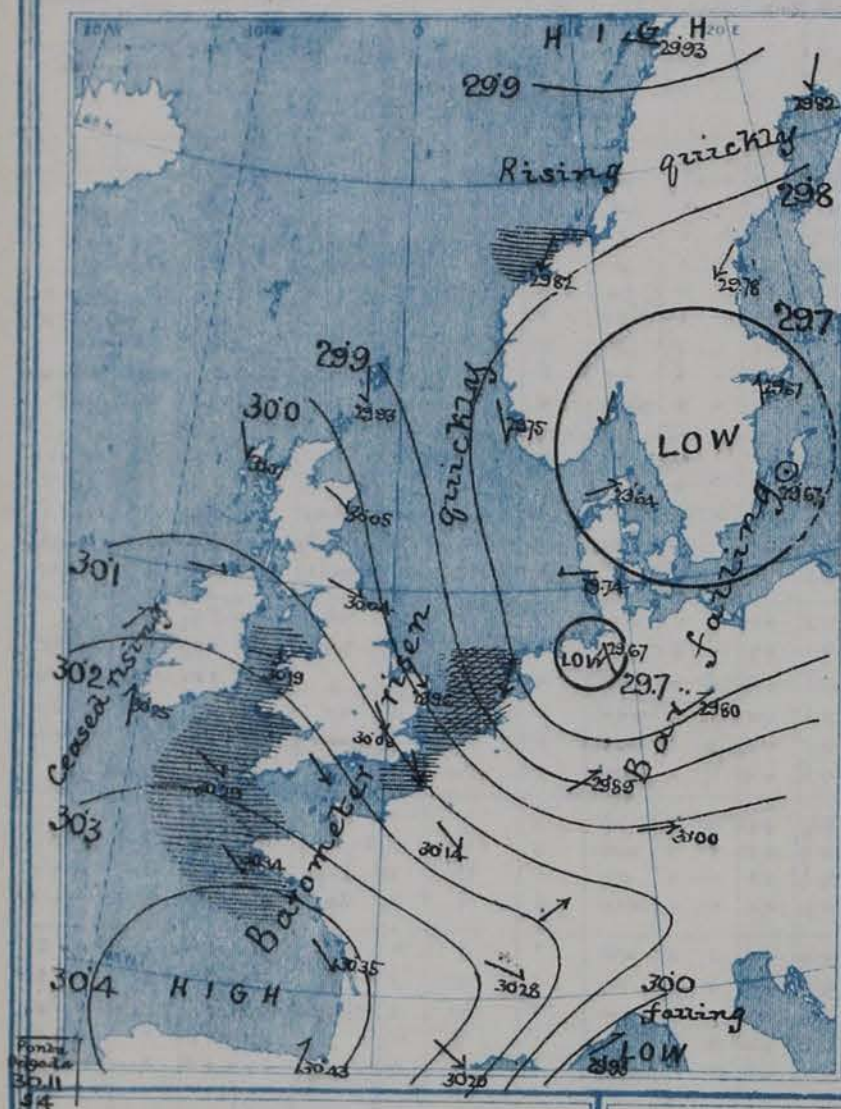
## I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → Force 1 to 4 → } Calm ☉  
Force 8 to 10 →

SEA.—Rough High

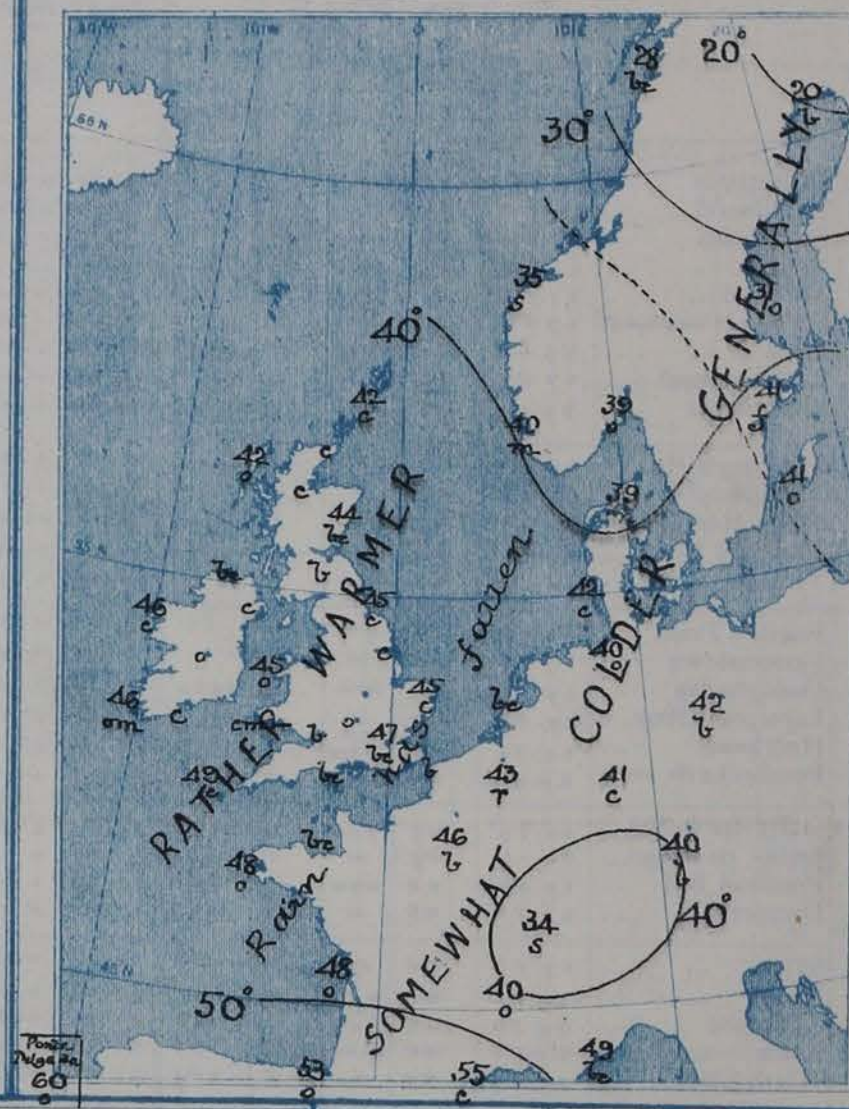


## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus: .06



## III. BAROMETER AND WIND

Yesterday morning.



## IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES combined for the month of MARCH (1871-1900)



## V. Means of DAILY TEMPERATURE at 8 A.M. for the Two monthly period MARCH - APRIL (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The centre of another large cyclonic system has appeared off the northwest of Scotland, the readings of the barometer in that neighbourhood being now below 29 inches. Gradients are steep over all our northwest coasts, and the barometer is falling over western Europe generally; in the south of Ireland, however, a recovery has commenced in the rear of the northern disturbance. The highest pressures, 30.4 inches and upwards, are reported in the southwest of France.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is strong to a gale from the W<sup>nd</sup> on all our western coasts, but is moderate to fresh from the SW in the northern and eastern parts of the United Kingdom and also in the western parts of the Continent. Temperature has changed very little since yesterday. Over England the readings are still above the average, the thermometer at the southern stations ranging between 46° and 48°. In Ireland the readings agree very closely with the normal, while in Scotland they are a little below it, the lowest reported being 38° at Stornoway and Na h-Eile. In the west and south of France the thermometer is slightly above 50°. The weather, though at present fine at our eastern stations, is in a squally showery condition over the United Kingdom generally, and is cloudy in the western parts of the continent, with rain at Brest and Helder. In the south of France the sky is clear. The sea is high or rough in the west and extreme north generally, as well as on the French coasts.

During yesterday the thermometer rose to 50° and upwards in all but the extreme northern and northwestern parts of the United Kingdom, the highest reading reported being 57° in London and at Jersey. The amount of bright sunshine was large at all but a few of our western stations but showers fell generally; thunder and lightning occurred at Blacksod Point and lightning only at Donaghadee.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The recovery of pressure in the rear of this morning's disturbance is not very decided, and the wind at Valencia shows some tendency to back to the SW<sup>nd</sup> again. It is probable that in the course of the next 24 hours further low pressure systems will approach our western coasts, and the weather is therefore likely to remain in a very unsettled state generally.

## FORECASTS \*

For the 24 hours ending at NOON on 31<sup>st</sup> March.

1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	W <sup>ly</sup> to SW <sup>ly</sup> winds, strong; squally, showery.	6 { SCOTLAND WEST	
1 { SCOTLAND EAST		7 { ENGLAND N.W.	
2 { ENGLAND N.E.	SW <sup>ly</sup> winds, strong in places; squally, showery.	8 { ENGLAND S.W.	W <sup>ly</sup> gales, moderating and backing later; squally, showery.
3 { ENGLAND EAST		9 { IRELAND NORTH	
4 { MIDLAND COUNTIES	W <sup>ly</sup> winds, strong, a gale on coast; squally, showery.	10 { IRELAND SOUTH	
5 { ENGLAND SOUTH		WARNINGS	
		(at 7 pm. yesterday to districts 5 and 8 "Hoist South Cone". The signals are also flying in district 3.)	

Note.—The South Cone, point downwards (  $\nabla$  ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.  
 The North Cone, point upwards (  $\nabla$  ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

\* For terms for transmission of Forecasts by Telegraph, see next page.



ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.										THIS MORNING 8 A.M.										PAST 24 HOURS.			
	Bar. Its.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.							
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.									
Clacton-on-Sea ... ..	"	"	"	"	"	"	"	"	"	"	"	30	"	2, c	55	45	4.2	0.07						
Newton Reigny (Penrith)	29.73	41	SW 4	o	29.46		42	40		W 6	c	"	c, m, c, g	49	39	7.0	0.42							
Bath ... ..	30.05	50	W 5	o	29.86	-.20	46	43	o	W 5	T	"	-	55	44	5.8	0.15							

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m. ....	53	42	3a, c	8.0	—	Eastbourne ... ..	50	38	c	9.9	—
Rhyl ... ..	52	41	3	10.3	—	Hastings ... ..	50	38	c	9.3	—
Llandudno ... ..	51	40	3	9.0	—	Lowestoft, to 6 p.m. ...	50	38	c	9.3	—
Aberystwyth, to 6 p.m. ...	54	45	3a	8.0	0.02	Harrogate, to 6 p.m. ...	51	38	0, c, 2, 3c	7.7	0.03
Plymouth, to 9 p.m. ....	54	45	3a	8.0	0.02	Manchester, to 9 p.m. ...	54	38	0	8.0	—
Worthing ... ..	53	44	3	9.4	—	Darwen, to p.m. ... ..	50	35	07, 3c, 3g	5.1	0.03
Brighton ... ..	53	44	3	8.8	—	Birmingham, to 9 p.m. ...	51	38	c, p, 3	6.0	0.04

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

[illegible]

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

**WEATHER.**—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.			
COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	30 March 1908.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.† (W.E.T.)	6 p.m.†	Yarmouth ... ..	5.34	11.58	6.21
Holland ... ..	8 a.m. ( „ „ )	8 a.m.	7 p.m. (W.E.T.)	7 p.m.	Greenwich ... ..	5.43	12. 5	6.27
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Wick ... ..	5.48	12.17	6.45
France ... ..	7 a.m. (Paris) ... ..	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Valencia ... ..	6.24	12.46	7. 8
Spain ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.				
Portugal ... ..	8 a.m. (Lisbon) ... ..	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.				
Azores { Point Delgada ... ..	6 a.m. (Local) ... ..	7.43 a.m.	9 p.m. (Local)	10.43 p.m.				
{ Horta ... ..	6 a.m. (Local) ... ..	7.55 a.m.	9 p.m. (Local)	10.55 p.m.				

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.



# ADDITIONS AND CORRECTIONS TO THE

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

DATE.	STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS.					
		Barom.	Temp.	Wind.		Weather.	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9).	Weather.	Temp.		Sun-shine.	Rainfall.		
				At 82° and M.S.L.	Dry Bulb.		Direc.	Force (0 to 12).	At 82° Fabr. and M.S.L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.				Direc.	Force (0 to 12).			Max.	Min.
Ins.	°				Ins.	Ins.	°	°	°									Hours.	Ins.			
1 <sup>st</sup>	Newton Reigny.	29.56	39	SW	2	r	29.20	-22	41	40	+10	S	4	r	-	079	45	30	0.0	0.06		
2 <sup>nd</sup>	Newton Reigny.	29.24	37	S	3	c	29.05	-15	32	31	-9	SE	4	s	-	073	43	32	0.0	0.25		
3 <sup>rd</sup>	Biarritz.	29.93	53	SSW	6	o	29.84	-38	57	-	+8	W	9	o	8	-	57	49	-	-		
"	Belfort.	29.69	40	WSW	7	o	29.24	-69	40	-	+4	WSW	7	o	-	-	44	36	-	-		
"	Corunna.	30.04	55	SW	6	o	30.12	-	57	55	-	W	6	o	8	-	59	50	-	0.08		
4 <sup>th</sup>	Biarritz.	30.05	54	WNW	7	o	30.28	+44	53	-	-4	W	1	f	7	-	57	52	-	0.20		
"	Lyons.	29.69	47	NW	2	o	30.22	+77	38	-	-6	NW	2	o	-	-	44	33	-	0.35		
"	Corunna.	?	57	? W	6	o	30.28	+16	55	?	-2	W	2	o	8	-	59	48	-	-		
5 <sup>th</sup>	Corunna.	30.27	61	SW	1	bc	30.23	-05	54	50	-1	SW	1	o	6	-	63	48	-	-		
6 <sup>th</sup>	Biarritz.	30.26	54	NW	3	r	30.41	+18	52	-	+1	NNW	3	r	5	-	57	48	-	0.04		
"	Corunna.	30.23	60	W	3	bc	30.47	+24	48	46	-6	NW	1	bc	6	-	61	41	-	0.08		
7 <sup>th</sup>	Corunna.	30.52	54	NW	1	o	30.51	+04	47	44	-1	NW	1	bc	6	-	55	41	-	-		
8 <sup>th</sup>	Newton Reigny.	29.86	37	W.	3	c	30.20	+48	41	38	+6	NW	3	bc	-	075.6	42	34	2.0	0.05		
9 <sup>th</sup>	Corunna.	30.58	54	N	3	o	30.32	-27	38	36	-3	N	1	o	3	-	54	32	-	-		
10 <sup>th</sup>	Corunna.	30.12	54	W	3	bc	30.01	-31	50	48	+12	NNW	7	o	7	-	64	38	-	0.16		
11 <sup>th</sup>	Corunna.	30.07	52	NNW	6	c	30.05	+04	41	39	-9	N	1	f	6	-	52	34	-	-		
"	Lisbon.	30.07	49	NNW	4	o	30.05	-06	49	46	+1	N	4	o	-	-	54	46	-	-		
"	P. Delgada.	30.35	54	ESE	3	o	30.16	-32	55	50	+2	SW	4	o	3	-	59	52	-	-		
12 <sup>th</sup>	Corunna.	30.05	52	N	1	o	29.95	-10	43	40	+2	NE	1	f	3	-	54	37	-	-		
"	Lisbon.	29.99	49	NNW	4	o	29.94	-11	45	44	-4	N	2	o	-	-	57	43	-	-		
"	P. Delgada.	30.11	50	N	5	o	30.11	-04	46	42	-9	N	4	bc	3	-	59	45	-	0.12		
13 <sup>th</sup>	Corunna.	29.90	59	S	1	bc	29.94	-01	50	48	+7	S	1	o	3	-	61	43	-	-		
"	Lisbon.	29.89	52	WSW	2	o	29.89	-05	48	46	+3	NNE	3	o	-	-	57	45	-	-		
"	P. Delgada.	30.26	50	NNE	4	c	30.28	+17	51	48	+5	NNW	4	c	3	-	55	46	-	0.24		
14 <sup>th</sup>	Corunna.	29.94	54	SSW	3	o	29.98	+04	50	48	0	NW	1	m	3	-	55	43	-	0.04		
"	P. Delgada.	30.35	53	NNE	5	bc	30.34	+06	52	47	+1	NNW	4	r	3	-	59	50	-	0.04		
15 <sup>th</sup>	Lyons.	30.01	50	S	2	c	29.97	-12	40	-	+3	ESE	1	o	-	-	?	37	-	-		
"	Newton Reigny.	29.98	39	SE	1	o	29.69	-33	39	37	+4	SE	1	c	-	bc	48	34	6.3	-		
16 <sup>th</sup>	Corunna.	29.98	52	NW	1	bc	30.10	+15	50	46	-1	NW	2	o	3	-	54	45	-	-		
"	Lisbon.	30.06	51	NNW	4	bc	30.13	+27	55	51	0	SW	2	o	-	-	57	50	-	-		
17 <sup>th</sup>	Corunna.	30.17	54	NW	1	o	30.13	+03	53	50	+3	SSW	3	o	3	-	54	46	-	-		
"	Lisbon.	30.28	52	NW	1	o	30.33	+20	54	50	-1	W	3	o	-	-	59	52	-	-		
18 <sup>th</sup>	Corunna.	30.10	59	SSW	3	o	30.12	-01	?	52	-	SW	?	?	5	-	64	50	-	0.16		
20 <sup>th</sup>	Corunna.	30.56	52	NW	3	o	30.49	-	40	38	-	NNW	1	o	6	-	54	34	-	-		
21 <sup>st</sup>	Corunna.	30.40	59	NE	1	o	30.37	-12	?	45	-	NE	1	o	5	-	64	40	-	-		
"	Lisbon.	30.32	57	N	3	o	30.34	-02	58	53	+4	Z	0	o	-	-	66	54	-	-		
"	P. Delgada.	30.15	59	S	5	o	30.09	-10	59	58	0	S	4	c	4	-	63	57	-	-		
22 <sup>nd</sup>	Blacksoil P.	29.31	51	SSW	9	rgm	29.43	-14	46	45	-4	SSW	6	rgm	5	rgm	51	43	-	0.31		
"	Newton Reigny.	29.72	48	SW	5	r	29.62	-22	50	50	+5	SW	5	r	-	079	51	45	0.2	0.17		
23 <sup>rd</sup>	Blacksoil P.	29.53	47	WSW	5	o	29.43	00	43	41	-3	WNW	3	o	3	o	48	39	-	0.18		
"	Corunna.	30.24	68	SSW	3	o	30.13	-36	59	55	+7	S	3	o	3	-	70	52	-	-		
"	P. Delgada.	30.23	50	NNW	3	o	30.31	+49	49	44	-11	NNW	4	c	3	-	61	46	-	-		
24 <sup>th</sup>	Corunna.	30.08	54	WSW	6	bc	30.09	-04	46	45	-13	SW	3	o	5	-	70	41	-	0.16		
"	P. Delgada.	30.19	55	WSW	5	o	29.85	-46	57	54	+8	WSW	7	o	6	-	57	49	-	-		
25 <sup>th</sup>	Corunna.	29.86	59	S	3	bc	29.39	-70	61	55	+15	S	5	o	4	-	70	46	-	-		
"	P. Delgada.	29.82	52	NNW	5	o	29.83	-02	53	48	-4	WNW	5	c	6	-	57	48	-	0.12		
26 <sup>th</sup>	Corunna.	29.46	57	SSW	5	o	29.47	+08	48	45	-13	SSE	3	o	5	-	63	45	-	0.39		
"	Lisbon.	29.76	54	WSW	4	o	29.61	-01	56	51	-4	SW	6	o	-	-	61	52	-	0.08		
27 <sup>th</sup>	Corunna.	29.47	50	WNW	3	r	29.99	+52	46	43	-2	SW	3	o	5	-	63	41	-	0.39		
28 <sup>th</sup>	Corunna.	30.06	50	SW	3	r	30.22	+23	57	54	+11	SW	3	o	6	-	57	43	-	0.08		
29 <sup>th</sup>	Newton Reigny.	29.25	43	WSW	5	o	29.75	+59	44	42	-1	W	4	c	-	07.0	50	37	0.0	0.36		
30 <sup>th</sup>	Corunna.	30.40	55	W	3	o	30.45	+04	48	45	0	W	1	f	7	-	57	41	-	-		
"	Lisbon.	30.38	50	NNW	3	o	30.39	+01	53	50	-3	NNE	3	o	-	-	64	48	-	-		
"	P. Delgada.	30.35	59	SSE	4	o	30.25	-11	59	55	0	SE	4	o	3	-	64	57	-	-		
31 <sup>st</sup>	Corunna.	30.47	61	SW	1	o	30.37	-08	?	43	-	WSW	1	f	7	-	61	39	-	-		



## REPORTS FOR MARCH, 1903.

## 2. CORRECTIONS.

[illegible]