

METEOROLOGICAL OFFICE.

---

DAILY WEATHER REPORTS.

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1ST JULY TO 31ST DECEMBER, 1902.

# DAILY WEATHER REPORT.

July to December 1902.





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

(CONTINUED).

OCTOBER.

NOVEMBER.

DECEMBER.

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.
Sumburgh Head	(Inches.) 29.721	45.9	44.3	49.8	41.6	61	1898	26	1875	24	4.43	(Hours.) —	—
Stornoway	29.752	45.4	44.4	51.1	40.3	70	1898	26	1880	24	5.31	87.0	28
Malin Head	29.803	48.4	46.3	52.6	45.6	[69]*	[1898]	[32]*	[1892]	[21]*	[2.99]*	—	—
Blackod Point	29.851	49.5	46.6	54.1	45.9	[70]*	[1898]	[33]*	[1892]	[23]*	[5.20]*	—	—
Valencia	29.885	51.0	48.9	56.4	46.3	69	1898	28	1892	23	5.61	104.4	32
Roche's Point	29.886	50.1	48.3	55.8	46.0	65	1880, 84, 86	32	1881	16	4.21	—	—
Parsonstown	29.883	45.5	44.0	54.7	40.5	69	1898	22	1880	18	3.06	99.9	31
Donaghadee	29.843	47.8	46.5	53.7	43.5	66	1898	21	1892	18	3.14	—	—
Liverpool	29.872	47.7	45.6	53.8	44.5	72	1886	27	1885	18	3.52	—	—
Holyhead	29.863	50.2	48.1	54.7	46.9	71	1886	32	1892	20	4.33	—	—
Pembroke	29.880	51.2	49.2	54.9	47.9	66	1872, 1886	33	1895	20	4.14	104.9	32
Scilly	29.897	53.8	51.7	56.9	50.1	69	1895	28	1895, 96	21	3.73	—	—
Jersey	29.926	53.7	50.9	58.6	48.9	73	1876, 1898, 1900	33	1887	19	4.47	130.0	40
Portland Bill†	[30.029]	[53.4]	[51.3]	[58.5]	[49.2]	—	—	—	—	[12]	[1.72]	—	—
Dungeness	29.908	50.4	48.6	56.6	46.2	70	1886	23	1890	16	3.23	—	—
Wick	29.755	46.2	44.6	51.8	40.4	73	1898	22	1885	21	3.11	—	—
Nairn	29.773	44.6	42.8	52.2	39.8	72	1898	19	1896	18	2.43	—	—
Aberdeen	29.791	45.7	43.6	52.5	41.2	74	1883	25	1880	20	3.00	98.9	31
Leith	29.814	46.4	44.6	54.6	41.5	70	1898	25	1894	16	2.09	—	—
North Shields	29.836	46.9	45.2	53.4	42.2	68	1898	27	1890, 92, 95	17	2.75	—	—
Spurn Head	29.857	48.9	47.4	53.6	45.6	[70]*	[1900]	[33]*	[1887, 95]	16	2.34	—	—
Yarmouth	29.884	49.2	47.6	54.4	44.6	74	1900	27	1895	18	2.98	—	—
Loughborough	29.897	45.4	44.2	55.8	40.8	[77]*	[1886]	[20]*	[1890]	17	2.76	—	—
Oxford	29.916	46.1	44.8	55.0	42.1	76	1886	22	1873	15	2.76	102.7	32
LONDON	29.918	47.6	46.0	56.8	42.9	80	1886	24	1890	16	2.70	70.6†	22†
Sumburgh Head	29.710	42.6	41.0	46.1	38.5	55	1890	21	1875	24	4.12	—	—
Stornoway	29.720	42.5	41.5	46.8	37.4	58	1897	20	1880	23	5.28	40.6	16
Malin Head	29.773	44.3	42.5	48.3	41.2	[50]*	[1894, 99]	[31]*	[1889]	[20]*	[3.08]*	—	—
Blackod Point	29.819	45.7	43.7	49.7	41.7	[60]*	[1897, 99]	[26]*	[1890]	[24]*	[5.22]*	—	—
Valencia	29.883	47.6	45.6	52.4	43.0	63	1881	27	1890, 96	22	5.67	65.8	26
Roche's Point	29.888	46.5	45.0	51.4	42.3	61	1875	27	1890	19	4.65	—	—
Parsonstown	29.869	42.0	40.6	49.4	37.2	63	1872	20	1890	19	2.97	63.8	25
Donaghadee	29.838	43.9	42.7	48.8	39.7	60	1894	27	1878, 83	19	3.12	—	—
Liverpool	29.883	43.0	41.2	48.3	40.0	63	1872	23	1880	17	2.71	—	—
Holyhead	29.865	46.2	44.4	50.0	43.0	62	1881	29	1880	20	3.96	—	—
Pembroke	29.890	47.4	45.7	50.6	43.9	58	1884, 95, 97, 99	28	1890	20	3.94	60.9	24
Scilly	29.911	50.3	48.3	53.0	46.6	61	1898	29	1890	21	3.65	—	—
Jersey	29.953	48.2	46.1	52.6	44.4	66	1899	16	1890	19	4.07	73.5	27
Portland Bill†	[29.969]	[49.9]	[47.7]	[53.3]	[45.3]	—	—	—	—	[14]	[3.65]	—	—
Dungeness	29.923	45.0	43.6	50.1	41.1	63	1899	17	1890	17	2.57	—	—
Wick	29.743	42.0	40.6	46.7	36.8	62	1900	15	1884	20	2.89	—	—
Nairn	29.761	40.5	38.9	46.3	35.6	61	1885, 94	18	1880, 98	17	2.13	—	—
Aberdeen	29.792	41.1	39.3	46.6	37.1	62	1872, 89	15	1880, 84	20	3.06	52.7	22
Leith	29.817	42.3	40.5	48.5	37.5	64	1872	18	1885	16	2.07	—	—
North Shields	29.844	42.8	41.2	48.0	38.4	62	1881, 94	20	1880	17	2.33	—	—
Spurn Head	29.874	43.8	42.5	47.5	40.7	[61]*	[1894, 95]	[28]*	[1884]	17	2.19	—	—
Yarmouth	29.898	43.7	42.5	48.0	39.5	60	1895, 98, 99	23	1890	19	2.78	—	—
Loughborough	29.910	40.9	39.7	48.6	37.0	[64]*	[1900]	[19]*	[1887, 93]	17	2.14	—	—
Oxford	29.928	41.0	40.4	48.8	37.9	68	1881	19	1871, 87	15	2.39	56.4	22
LONDON	29.931	42.8	41.3	49.8	38.5	65	1894	19	1879	16	2.29	27.7†	11†
Sumburgh Head	29.647	40.1	38.6	43.2	35.9	53	1890	19	1877	26	4.46	—	—
Stornoway	29.671	40.0	39.0	43.7	34.6	55	1893	15	1880	28	5.68	23.9	12
Malin Head	29.748	41.6	40.1	45.4	38.3	[55]*	[1900]	[31]*	[1886, 87, 91, 92, 94, 96, 99]	[24]*	[3.36]*	—	—
Blackod Point	29.803	43.2	41.3	47.2	39.2	[59]*	[1899]	[26]*	[1896]	[27]*	[6.12]*	—	—
Valencia	29.880	45.4	43.2	50.1	40.6	57	1884, 88, 99, 1900	24	1886	25	6.34	42.6	18
Roche's Point	29.894	44.0	42.8	48.5	39.9	58	1873	25	1882	20	5.47	—	—
Parsonstown	29.872	38.8	37.6	45.5	34.0	58	1877, 1900	8	1878	29	3.17	44.7	20
Donaghadee	29.823	40.8	40.0	46.1	36.6	56	1885, 88, 94	20	1879	21	2.96	—	—
Liverpool	29.881	39.4	37.7	44.2	36.1	59	1891, 98, 1900	13	1878	18	2.64	—	—
Holyhead	29.864	43.2	41.6	46.8	39.5	56	1872, 88	25	1874	20	3.94	—	—
Pembroke	29.903	44.4	43.0	47.4	40.9	57	1898	19	1890	21	4.17	44.0	19
Scilly	29.936	47.7	45.8	50.3	43.8	58	1899, 1900	30	1890	22	4.19	—	—
Jersey	29.992	44.0	42.2	48.1	40.1	61	1876	19	1871	20	3.88	62.3	25
Portland Bill†	[29.911]	[45.2]	[43.9]	[48.9]	[39.8]	—	—	—	—	[21]	[3.50]	—	—
Dungeness	29.952	40.8	39.5	45.2	36.3	56	1880, 97, 98, 1900	12	1890	17	2.11	—	—
Wick	29.684	38.7	37.5	42.9	33.4	56	[1898]	10	1880	22	3.18	—	—
Nairn	29.713	37.5	36.0	42.6	32.4	58	1900	10	1882	18	2.16	—	—
Aberdeen	29.747	37.5	35.8	42.4	33.3	58	1873	6	1882	20	3.23	38.2	19
Leith	29.782	39.1	37.6	44.5	34.1	60	1896	0	1882	15	1.95	—	—
North Shields	29.825	38.9	37.5	43.6	34.3	59	1873, 98	10	1878, 79	16	2.34	—	—
Spurn Head	29.864	39.4	38.2	43.1	35.8	[56]*	[1898]	[19]*	[1891]	17	2.07	—	—
Yarmouth	29.911	38.6	37.5	42.7	34.2	56	1873	15	1879	17	2.47	—	—
Loughborough	29.914	36.9	35.9	43.5	32.8	[59]*	[1888, 1900]	[7]*	[1890]	15	2.35	—	—
Oxford	29.950	37.6	36.5	43.7	34.0	58	1888, 97	6	1878	16	2.18	41.6	18
LONDON	29.953	38.5	37.3	44.7	34.4	58	1873, 88, 91, 98	11	1878	15	2.15	13.1†	5†

\* 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 two years only, 1899-1900.



# SUPPLEMENT TO THE DAILY WEATHER REPORT.

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

JULY.

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.
Sumburgh Head	29.806	53.4	51.7	57.6	48.3	70	1897	37	1888	17	2.33	—	—
Stornoway	29.822	55.5	53.7	60.3	49.1	76	1894	32	1888	21	2.97	140.8	28
Malin Head	29.873	56.1	54.0	61.0	53.6	[75]*	[1887]	[42]*	[1888]	[19]*	[2.87]*	—	—
Blackod Point	29.914	57.8	55.2	62.4	53.8	[80]*	[1894]	[42]*	[1898]	[21]*	[2.94]*	—	—
Valencia	29.960	59.2	56.6	64.0	53.8	80	1878	42	1898	20	3.95	154.4	31
Roche's Point	29.957	59.0	56.1	65.8	53.7	84	1876	45	1888	15	3.60	—	—
Parsonstown	29.937	58.1	55.0	66.4	51.7	89	1876	37	1889	17	2.25	139.2	28
Donaghadee	29.904	57.4	55.5	63.5	52.1	81	1876	40	1883	18	2.85	—	—
Liverpool	29.927	59.5	56.6	66.0	54.3	89	1873	41	1877	16	2.77	—	—
Holyhead	29.932	58.3	56.0	63.8	54.1	83	1894	43	1888	10	2.46	—	—
Pembroke	29.956	58.2	56.2	62.7	54.9	80	1878	45	1888	14	2.42	205.3	42
Scilly	29.987	60.5	58.3	64.9	56.5	75	1886	48	1875	16	2.30	—	—
Jersey	30.015	62.5	59.1	68.6	56.5	90	1873	46	1877, 97	13	2.30	244.2	51
Portland Bill	[30.071]	[61.7]	[59.3]	[67.0]	[55.4]	—	—	—	—	[6]	[0.94]	—	—
Dungeness	29.965	61.9	58.6	67.0	56.1	82	1900	40	1890	12	1.62	—	—
Wick	29.835	56.0	53.7	61.8	48.9	81	1876	30	1886	18	2.54	—	—
Nairn	29.838	56.9	53.7	64.5	50.3	86	1876	37	1886, 97, 98	17	2.68	—	—
Aberdeen	29.852	57.8	53.8	63.7	50.7	86	1876	38	1898	18	2.82	165.0	32
Leith	29.867	58.6	55.0	66.6	51.4	90	1876	41	1887, 88, 92	16	2.76	—	—
North Shields	29.887	58.2	55.1	64.3	51.9	85	1876	40	1885	15	2.55	—	—
Spurn Head	29.914	59.6	56.9	65.1	55.0	[84]*	[1881, 1900]	[44]*	[1888]	13	1.70	—	—
Yarmouth	29.938	60.8	57.6	66.3	54.9	87	1881	42	1872, 90	15	2.69	—	—
Loughborough	29.947	60.9	57.2	71.4	52.6	[90]*	[1881]	[39]*	[1888]	15	2.24	—	—
Oxford	29.963	60.2	56.6	70.1	53.5	90	1876, 1900	41	1888	14	2.49	200.7	41
LONDON	29.971	62.2	57.7	72.7	54.2	95	1881	41	1877	13	2.27	174.7	36

AUGUST.

Sumburgh Head	29.782	53.5	51.9	57.7	48.5	69	1880	38	1885, 95	18	3.25	—	—
Stornoway	29.794	55.1	53.5	60.2	49.1	75	1897, 99	33	1888	21	5.60	131.3	28
Malin Head	29.830	56.4	54.3	61.8	54.1	[80]*	[1900]	[40]*	[1891]	[21]*	[3.25]*	—	—
Blackod Point	29.878	58.1	55.5	62.7	54.1	[78]*	[1899]	[42]*	[1887-88]	[22]*	[3.08]*	—	—
Valencia	29.929	59.8	57.1	64.7	54.3	81	1899	42	1890	22	4.90	152.7	34
Roche's Point	29.932	59.1	56.6	65.7	54.2	80	1880	44	1883	16	3.94	—	—
Parsonstown	29.917	57.4	55.2	65.9	51.6	82	1893, 99, 1900	35	1885, 87	16	3.87	139.5	31
Donaghadee	29.881	57.1	55.3	62.8	52.5	78	1899	38	1886	19	3.30	—	—
Liverpool	29.908	58.8	55.3	65.8	54.3	85	1876, 84, 93, 99	44	1886	17	2.96	—	—
Holyhead	29.909	58.6	56.5	64.0	54.8	83	1893	45	1888	16	3.02	—	—
Pembroke	29.902	58.9	56.8	63.3	55.8	78	1874, 99	47	1885, 98	16	2.91	193.8	43
Scilly	29.932	61.2	59.0	65.3	57.1	75	1893, 99	50	1885, 90, 95	17	2.49	—	—
Jersey	29.965	63.2	59.8	69.1	57.4	89	1893	45	1890	14	2.48	244.8	56
Portland Bill	[30.042]	[62.2]	[60.0]	[68.5]	[55.7]	—	—	—	—	[11]	[1.57]	—	—
Dungeness	29.953	62.1	58.9	67.5	56.6	80	1887, 94	39	1890	13	1.81	—	—
Wick	29.813	55.5	53.5	61.4	48.6	85	1893	30	1898	18	2.61	—	—
Nairn	29.817	56.0	53.2	63.9	49.9	88	1899	33	1885, 91	18	2.88	—	—
Aberdeen	29.835	56.7	53.5	63.1	50.2	81	1880, 82, 99	33	1885	18	3.03	153.3	33
Leith	29.848	57.7	54.6	66.0	51.4	85	1893	37	1874	16	2.72	—	—
North Shields	29.871	57.3	54.7	64.0	51.8	83	1893	39	1892	16	2.83	—	—
Spurn Head	29.904	59.4	56.8	64.7	55.0	[87]*	[1893]	[46]*	[1887, 90, 1900]	15	1.87	—	—
Yarmouth	29.929	60.6	57.6	66.3	54.8	85	1893	42	1876, 85	14	2.26	—	—
Loughborough	29.935	60.1	56.2	70.4	52.0	[91]*	[1893]	[38]*	[1885, 87, 88]	14	2.46	—	—
Oxford	29.954	60.9	56.0	69.4	53.0	90	1876	39	1892	13	2.38	185.7	42
LONDON	29.961	61.0	57.4	71.9	53.7	96	1876	39	1887, 90	13	2.30	165.9	37

SEPTEMBER.

Sumburgh Head	29.783	50.8	49.1	54.9	46.2	69	1898	34	1887, 88	20	3.48	—	—
Stornoway	29.800	51.5	50.2	56.7	45.7	72	1898	32	1871, 75, 85	21	4.17	107.4	28
Malin Head	29.834	53.7	51.4	58.5	51.1	[78]*	[1898]	[38]*	[1886]	[21]*	[3.11]*	—	—
Blackod Point	29.865	55.3	52.9	59.8	51.6	[78]*	[1898]	[39]*	[1890]	[21]*	[3.09]*	—	—
Valencia	29.903	56.6	54.2	61.9	51.4	79	1898	35	1899	19	4.34	133.4	36
Roche's Point	29.906	55.8	53.7	61.9	51.3	74	1880	39	1893	14	3.62	—	—
Parsonstown	29.947	52.9	51.0	61.9	47.3	79	1890, 98	29	1890	17	2.92	139.2	35
Donaghadee	29.913	53.7	52.4	60.1	49.3	74	1898	36	1882, 94, 99	17	2.80	—	—
Liverpool	29.944	54.8	52.1	61.5	50.9	82	1880	39	1885	16	3.12	—	—
Holyhead	29.939	55.9	53.7	60.8	52.3	78	1880	43	1873, 85, 97	16	3.04	—	—
Pembroke	29.962	56.4	54.2	60.4	53.2	74	1895	40	1885	16	3.24	148.3	44
Scilly	29.983	58.8	56.6	62.4	54.9	73	1899	44	1885, 88	17	3.15	—	—
Jersey	30.008	60.4	57.2	66.0	55.0	86	1895	41	1891	15	3.04	184.9	50
Portland Bill	[30.038]	[59.0]	[57.0]	[64.7]	[54.0]	—	—	—	—	[9]	[1.53]	—	—
Dungeness	29.981	58.0	55.5	64.0	53.0	78	1898, 99	32	1885	14	2.53	—	—
Wick	29.822	52.1	50.3	58.0	45.7	78	1898	29	1885, 87	19	2.70	—	—
Nairn	29.835	53.6	49.4	59.7	45.9	83	1898	25	1892	17	2.54	—	—
Aberdeen	29.850	52.5	49.9	59.4	46.6	81	1898	30	1887	17	2.87	124.0	33
Leith	29.880	53.5	50.9	62.1	47.5	83	1898	33	1886	15	3.19	—	—
North Shields	29.905	53.2	51.1	60.4	48.3	81	1898	34	1885, 82, 93	14	2.20	—	—
Spurn Head	29.941	55.7	53.8	60.9	52.4	[79]*	[1899]	[38]*	[1892]	14	1.80	—	—
Yarmouth	29.956	56.5	54.3	62.4	51.3	78	1899, 98	33	1885	15	2.57	—	—
Loughborough	29.970	58.5	51.7	65.5	47.5	[90]*	[1898]	[32]*	[1898]	14	2.44	—	—
Oxford	29.985	59.0	52.1	64.0	48.8	90	1898	33	1885	15	2.39	144.2	39
LONDON	29.991	59.8	53.4	66.8	49.7	91	1898	30	1877	13	2.21	116.0	31

\* These values are from observations made during the following periods:—Spurn Head and Loughborough, 20 years, 1880-1900; Malin Head and Blackod Point (Balmuccia), 15 years, 1885-1900.  
† The Sunshine values are for Westminster.  
‡ The values for Portland Bill are for two years only, 1890-1900.



# DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 1<sup>st</sup> October,

1902

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.		
				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.
		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.	Sea (0 to 9.)	Weather.	Max.	Min.	Sun- shine. Hours	Rainfall. Ins.	
		Ins.					Ins.	Ins.	°	°											
SCANDINAVIA.	Haparanda ...	30.26	31	NW	2	δ	30.31	+20	28	26	-2	N	2	c	*	-	37	25	*	-	
	Hernösand ...	30.31	32	Z	0	δ	30.40	+21	30	28	-9	Z	0	δ	*	-	45	30	*	-	
	Stockholm ...	30.25	35	NE	2	δ	30.36	+28	38	35	-6	NNW	2	o	*	-	54	34	*	0.04	
	Wisby ...	30.10	46	Z	0	o	30.28	+26	40	38	-9	Z	0	o	*	-	54	40	*	-	
	Karlstad ...	30.27	39	NNE	2	δ	30.39	+23	38	37	-6	ENE	2	f	*	-	*	*	*	-	
	Færder (X'iania Fjord) ...	30.22	49	E	4	δ	30.37	+24	42	39	-7	ESE	4	o	2	-	52	42	*	-	
	Bodö ...	30.38	35	N	2	o	30.41	+16	33	32	-3	N	2	δ	2	-	39	30	*	-	
	Christiansund ...	30.30	42	NE	2	δ	30.37	+10	39	35	-4	NE	3	δ	3	-	46	38	*	-	
	Skudesnaes ...	30.15	51				30.26	+15	51	47	+3	S	4	o	4	δ	55	48	*	*	
BRITISH ISLANDS.	Sumburgh Head ...	30.21	52	NE	2	c	30.25	+01	47	44	-1	ENE	2	o	4	o	54	45	*	-	
	Stornoway ...	30.22	54	E	1	o	30.18	-09	52	51	-1	E	2	ov	2	o	61	51	0.0	-	
	Malin Head ...	30.13	56	NNE	4	c	30.10	-12	53	51	-2	E	5	c	4	δ, c	59	51	*	-	
	Blacksod Pt. ...	30.11	58	NNE	3	c	30.06	-14	55	52	-2	ENE	4	δ, c	2	c	59	54	*	-	
	Valencia ...	30.05	57	NNE	1	om	29.96	-18	54	52	+3	ENE	4	δ, c	4	om, o	59	49	3.1	-	
	Roche's Point ...	30.01	57	N	4	o	29.96	-18	53	51	+3	NNE	3	o	1	op	58	49	*	0.02	
	Parsonstown ...	30.05	58	NE	2	o	30.02	-14	51	49	-3	NE	1	o	*	c	60	50	0.3	0.01	
	Donaghadee ...	30.11	57	NE	3	og	30.09	-12	53	50	-2	NE	4	c	3	δ, og	62	52	*	-	
	Liverpool Obsy. ...	30.01	54	NE	4	o	30.01	-09	53	50	0	NE	1	δ, c	2	o	58	48	*	-	
	Holyhead ...	30.02	56	ENE	4	o	30.01	-12	53	52	-3	ENE	3	c	2	om, d, p, o	57	51	*	-	
	Pembroke (St. Ann's) ...	29.95	56	NNE	4	o	29.92	-18	52	49	+2	NE	4	δ, c	2	-	59	49	1.6	-	
	Scilly (St. Mary's) ...	29.92	56	NNE	4	c	29.85	-19	53	50	0	ENE	4	c	1	c	57	49	8.6	-	
	Jersey (St. Aubins) ...	29.81	55	ENE	5	og	29.78	-12	52	50	-4	W	1	op, f	1	op, g, m, op, f	57	51	0.0	0.10	
	Portland Bill ...	29.87	55	NE	4	c	29.85	-13	51	49	+2	NE	5	c, p	4	c	59	48	*	0.03	
	Dungeness ...	29.84	56	E	6	o	29.76	-20	55	55	-1	ENE	6	o	3	c, o	59	52	*	0.06	
	Wick ...	30.22	53	NE	2	f	30.23	-02	49	48	-4	SE	2	o	2	-	59	48	*	0.01	
Nairn ...	30.20	54	Z	0	o	30.20	-06	51	51	-3	E	1	7	1	-	59	49	*	0.05		
Aberdeen ...	30.18	52	N	3	o	30.19	-03	49	48	-4	NE	3	og, d	3	c, d, o	57	49	0.0	0.03		
Leith ...	30.14	53	NE	2	o	30.15	-05	50	49	-4	NE	2	d, m	*	-	58	49	*	0.06		
North Shields ...	30.05	53	NE	3	od	30.10	-01	53	51	0	NE	3	c	3	om, d, o	54	49	*	0.06		
Spurn Head ...	29.95	52	ENE	4	c	29.98	-05	55	54	+1	ENE	5	c	4	-	57	52	*	-		
Yarmouth ...	29.93	56	NE	5	δ, o	29.90	-11	55	51	+1	ENE	6	δ, c	6	-	58	51	*	-		
Loughborough ...	29.97	52	NE	3	o	29.97	-10	51	50	0	NNE	2	c, m, w	*	m, d, p, o, c	55	48	*	0.37		
Oxford ...	29.92	51	N	1	o	29.91	-16	50	47	+6	NE	3	δ, c	*	p, c, o	58	43	*	-		
London (Brixton) ...	29.90	54	E	3	og	29.87	-15	51	49	0	NE	4	o, t	*	c, o, g	59	49	0.2	0.01		
GERMANY, &c.	The Scaw (Skagen) ...	30.17	49	ENE	5	δ	30.30	+21	44	40	-6	ESE	5	δ	1	-	54	43	*	-	
	Fanö ...	30.09	49	NE	4	c	30.15	+08	44	42	-7	NE	2	δ	*	-	55	45	*	0.08	
	Cuxhaven ...	30.01	52	ENE	2	δ	30.02	-06	49	48	+6	ENE	4	o	*	-	54	43	*	-	
	The Helder ...	29.92	53	ENE	5	δ	29.89	-12	50	48	-2	ENE	6	δ	5	-	55	51	*	-	
	Brussels ...	*	*	*	*	*	29.74	-20	46	46	+4	ENE	4	7	*	-	51	42	*	-	
	Berlin ...	29.98	50	E	4	δ	29.96	-11	45	44	+1	E	3	δ	*	-	55	41	*	-	
	Frankfurt ...	29.84	52	NE	2	o	29.72	-17	51	48	+2	NE	3	o	*	-	54	49	*	-	
	Munich ...	29.81	49	Z	0	o	29.69	-16	50	50	+3	Z	0	o	*	-	52	47	*	-	
FRANCE.	C. Gris Nez ...	29.88	52	ENE	4	o	29.78	-20	52	51	+4	ENE	4	o	4	-	63	48	*	0.04	
	Brest ...	29.84	54	NE	2	o	29.79	-15	52	?	+2	E	1	o	1	-	54	50	*	?	
	Lorient ...	29.80	51	NE	4	7	29.76	-13	49	49	-2	E	4	o	2	-	57	48	*	0.12	
	Rochefort ...	29.76	53	Z	0	c	29.76	-07	45	44	-3	E	3	δ, c	*	o	61	43	*	-	
	Biarritz ...	29.80	49	S	1	δ	29.76	-09	53	49	+3	SW	1	o	2	-	54	45	*	0.79	
	Paris ...	29.80	50	NE	2	c	29.72	-13	48	48	0	NNW	2	o	*	-	51	46	*	0.20	
Belfort ...	29.73	46	ENE	3	m	29.77	-04	41	40	-4	WSW	6	o	*	-	54	39	*	0.28		
Lyons ...	29.82	46	N	1	7	29.87	+01	40	40	-5	SE	1	f	*	-	51	36	*	0.87		
Nice ...	29.66	56	ENE	6	7	29.76	-01	55	46	0	Z	0	δ	2	-	66	49	*	0.99		
Perpignan ...	29.78	47	W	1	δ	29.82	+01	46	44	-2	Z	0	o	*	-	58	40	*	0.04		
SPAN. PEN.	Corunna ...													*	-			*	-		
	Lisbon ...													*	-			*	-		
	Azores (P. Delgada) ...	30.02	62	NNW	3	δ, c	30.02	+05	62	57	-2	N	4	δ, c	3	-	70	61	*	-	

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, 1<sup>st</sup> October, 1902.*

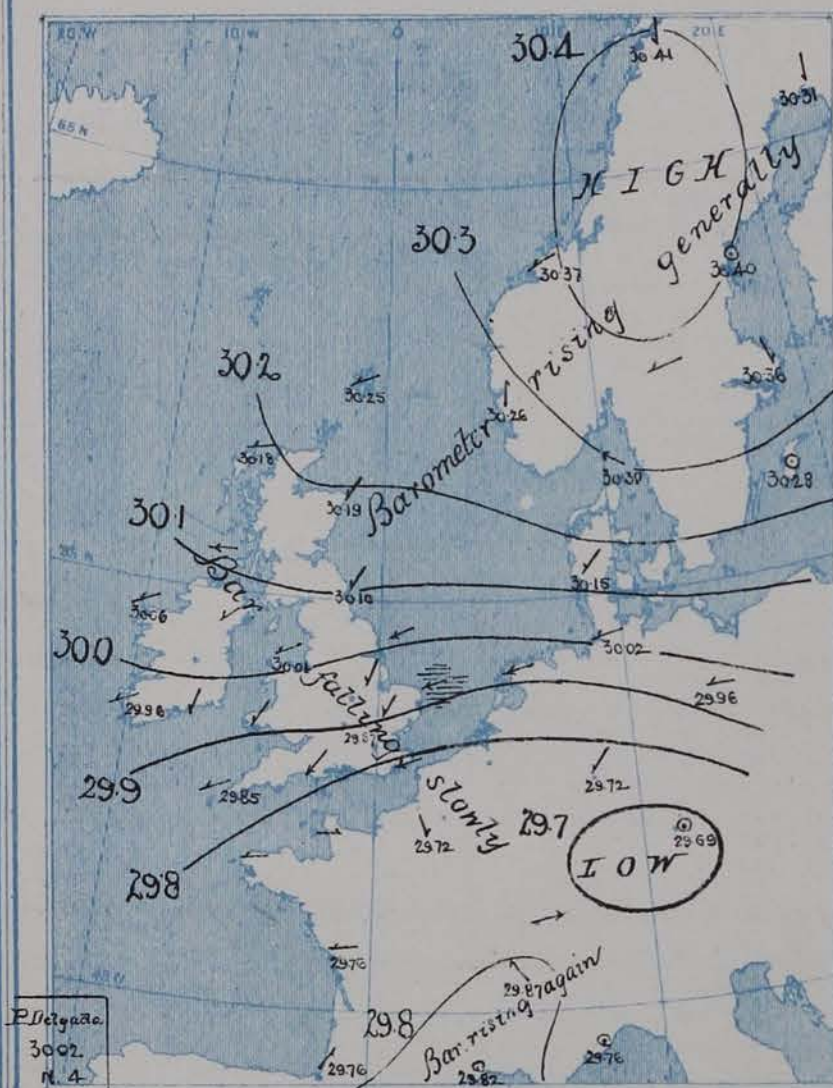
## I. BAROMETER, WIND AND SEA. *This Morning.*

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

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

Force above 10  $\rightarrow$  : Force 5 to 7  $\rightarrow$  : } Calm  $\odot$   
Force 8 to 10  $\rightarrow$  : Force 1 to 4  $\rightarrow$  }

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



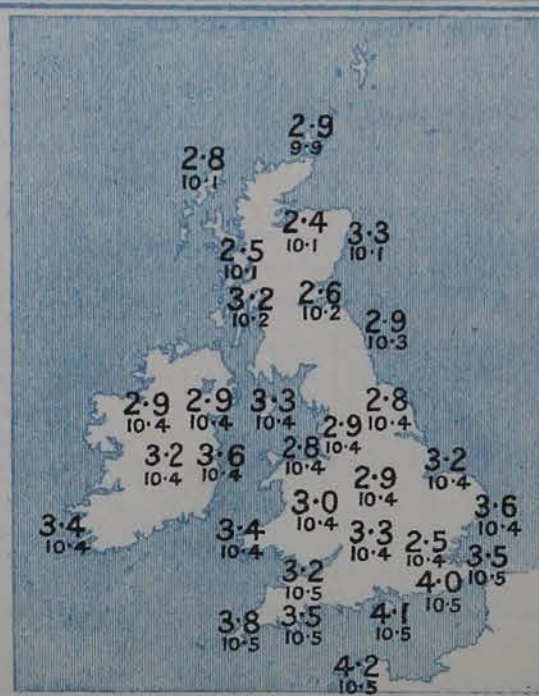
## III. BAROMETER AND WIND

*Yesterday morning.*



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

Specimen { Average N<sup>o</sup> of } 2.8  
(for Stornaway) { Hours daily }  
{ Total Possible } 10.1



## V. Means of DAILY TEMPERATURE

at 8 A. M. for the Two monthly period  
SEPTEMBER-OCTOBER (1871-1900.)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Barometric pressure is now highest over Scandinavia, lowest over France and south Germany, the gradients being rather steeper over England and the Netherlands than elsewhere. The readings vary from 30.41 ins. at Haparanda to 29.69 ins. at Munich.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is now NE<sup>2y</sup> to E<sup>2y</sup> on all our coasts — light in force at our northern stations, moderate in the west, strong in the southeast of England. Over the central and southern parts of France it is very variable, and in the south of Norway it is SE<sup>2y</sup>. Temperature has risen a little at the southeastern stations, but has scarcely changed elsewhere. In our Islands it ranges from 56° at Dungeness, Spurn N<sup>4</sup> and Blackpool P<sup>4</sup> to 50° at Oxford and 47° at Lumburg N<sup>4</sup>. The readings at the northern and central stations are rather in excess of the average. At Haparanda the temperature is 28°; at Berlin it is 45°, Paris 48°, and Belfast 41°. Weather is rather rainy both on the east coast of Scotland and on the southeast of England, cloudy over Great Britain generally, clearer over Ireland and many parts of Scandinavia. Sea is rough on our east coast, slight or smooth elsewhere.

During yesterday the maximum temperatures in our Islands exceeded 60° at our extreme north-western stations only; Ailsa reported 66°. Rain fell in most parts of France (0.78 ins. at Biarritz and 0.99 at Nice); over England the falls were very slight. Bright sunshine was slight except at Scilly.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general indications are in favour of a continuation of E<sup>2y</sup> winds in most places, with less settled weather than of late, especially in the south and southwest.

## FORECASTS \*

For the 24 hours ending at NOON on

2<sup>nd</sup> OCT. 1902

### DISTRICTS.

### FORECASTS.

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

E<sup>2y</sup> to SE<sup>2y</sup> winds, light to moderate; cloudy to fair, milder.

NE<sup>2y</sup> and E<sup>2y</sup> winds, fresh; fair as a whole, rather milder.

### DISTRICTS.

### FORECASTS.

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

NE<sup>2y</sup> and E<sup>2y</sup> winds, moderate; some showers, but as a whole fair and milder.

### 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 (  $\Uparrow$  ), 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	*	c, bc	57	51	3.1	-
Newton Reigny (Penrith)	30.02	53	N 4	o	30.05 - .06	51	49	- 1	E 1	o	*	c, og	57	48	0.2	-
Bath ... ..	29.89	54	NW 1	c	29.89 - .16	51	48	+ 6	NE 2	c	*	-	56	45	0.5	-

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.	STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	54	50	o	0.0	0.04	Worthing ... ..	*	*	*	4.1	*
Birmingham, 9 p.m. ...	54	46	c	0.0	0.09	Llandudno ... ..	*	*	*	0.1	*
Lowestoft, up to 6 p.m. ...	58	51	c	10.1	-	Rhyl up to 6 p.m. ...	*	*	*	0.2	*
Hastings ... ..	*	*	*	3.0	*	Southport, 9 p.m. ...	60	50	oc	1.5	-
Eastbourne up to 6 p.m. ...	*	*	*	3.2	*	Manchester, 9 p.m. ...	61	50	o	0.0	0.01
Brighton ... ..	*	*	*	3.2	*	Darwen, 9 p.m. ...	54	48	om	0.4	0.02

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.				at 1 p.m.	°		
30. IX. 02				Ins.	29. IX. 02			1 p.m.	Ins.
Marseilles ... ..	61	45	o	o	Geneva ... ..	45		o	-
Utrecht ... ..	57	39	bc	bc	Berne ... ..	45		o	-
Copenhagen ... ..	55	41	b	f	Lucerne ... ..	50		o	0.24
Prague ... ..	59	48	o	o	Lausanne ... ..	?		?	-
Vienna ... ..	61	52	o	o	Lugano ... ..	61		o	0.12
Buda-Pesth ... ..	61	57	o	o	Locarno ... ..	?		?	0.12
St. Petersburg ... ..	48	?	c	bc					
Rome ... ..	76	55	c	bc					
Malta ... ..	74	66	?	f					
Madeira (Funchal) <i>not recd</i>									

## 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.

	Hours of Morning Observations by Local Standard Time.		Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.		Corresponding Greenwich Times.	1. Oct., 1902.	Sunrise G.M.T.		Noon G.M.T.		Sunset G.M.T.	
								h. m.		h. m.		h. m.	
British Isles, Belgium, Holland ... ..	8 a.m. (West European)	8 a.m.		6 p.m. (W.E.T.)†	6 p.m.		Yarmouth ... ..	5.56		11.43		5.30	
Germany, Denmark, Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.		8 p.m. (M.E.T.)	7 p.m.		Greenwich ... ..	6.2		11.50		5.38	
France ... ..	7 a.m. (Paris)	6.51 a.m.		6 p.m. (Paris)	5.51 p.m.		Wick ... ..	6.19		12.2		5.45	
Spain ... ..	9 a.m. (San Fernando)	9.25 a.m.		6 p.m. (San Fernando)	6.25 p.m.		Valencia ... ..	6.42		12.31		6.19	
Portugal ... ..	8 a.m. (Lisbon)	8.36 a.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.

† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on Thursday, 2<sup>nd</sup> October, 1902  
 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° 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.	Ins.	°	°	°	°	°	°	°	°
SCANDINAVIA.	Haparanda ...	30.32	31	NW	4	0	30.21	-10	30	28	+2	W	2	0	*	-	39	25	*	-									
	Hernösand ...	30.43	27	Z	0	0	30.40	-00	27	26	-3	Z	0	0	*	-	43	25	*	-									
	Stockholm ...	30.45	36	NNW	2	0	30.48	+12	34	32	-4	NNW	2	0	*	-	43	32	*	-									
	Wisby ...	30.38	36	ENE	2	C	30.43	+15	39	37	-1	E	2	0	*	-	50	32	*	-									
	Karlstad ...	30.47	34	NNE	2	0	30.52	+13	30	30	-8	N	2	0	*	-	*	*	*	-									
	Færder (X'iania Fjord) ...	30.44	43	ESE	4	0	30.49	+12	41	40	-1	NE	2	0	1	-	45	41	*	-									
	Bodö ...	30.41	35	N	2	0	30.21	-20	39	37	+6	NW	6	7	4	-	39	33	*	0.20									
	Christiansund ...	30.02	39	N	4	0	30.44	+07	38	36	-1	Z	0	0	3	-	43	36	*	-									
	Skudesnaes ...	29.97	49	SSW	2	0	30.47	+21	43	41	-8	S	4	0	3	C, 0	51	43	*	*									
	Sumburgh Head ...	30.26	47	NE	2	0	30.36	+11	49	47	+2	NE	1	0	4	0	50	46	*	-									
BRITISH ISLANDS.	Stornoway ...	30.20	53	E	1	0	30.27	+09	43	43	-9	SE	2	0	2	0, 0	59	38	6.3	-									
	Malin Head ...	30.13	54	E	5	0	30.22	+12	51	48	-2	E	5	0	4	0, 0	56	50	*	-									
	Blacksod Pt. ...	30.06	57	ENE	4	C	30.18	+12	51	48	-4	ESE	3	0	2	0, 0	58	49	*	-									
	Valencia ...	29.99	56	ENE	2	C	30.08	+12	53	48	-1	E	4	0	4	0	60	47	1.3	-									
	Roche's Point ...	29.99	54	ENE	2	0	30.07	+11	51	47	-2	NNE	4	0	2	0, 0	59	46	*	-									
	Parsonstown ...	30.03	54	NE	1	T	30.14	+12	48	46	-3	E	1	0	*	0	57	45	0.6	-									
	Donaghadee ...	30.09	56	ENE	4	C	30.20	+11	50	47	-3	E	5	0	5	0	57	48	*	-									
	Liverpool Obsy. ...	30.04	53	ENE	3	C	30.13	+12	51	47	-2	NE	3	0	3	0	57	47	*	-									
	Holyhead ...	30.03	55	ENE	4	C	30.14	+13	51	47	-2	E	4	0	3	0, 0	56	47	*	-									
	Pembroke (St. Ann's) ...	29.90	56	NE	4	C	30.02	+10	51	48	-1	NE	6	0	4	0, 0	60	48	7.6	-									
GERMANY, &c.	Scilly (St. Mary's) ...	29.86	54	ENE	4	C	29.93	+08	54	50	+1	ENE	5	0	2	0	58	49	4.5	-									
	Jersey (St. Aubins) ...	29.78	55	NNE	5	0	29.83	+05	55	53	+3	NE	3	0	3	0, 0	57	51	0.0	0.27									
	Portland Bill ...	29.82	55	NE	4	C	29.93	+08	52	49	+1	NE	5	0	3	0	60	49	*	-									
	Dungeness ...	29.76	53	E	7	T	29.91	+15	52	51	-3	E	4	0	3	0, 0	57	51	*	0.30									
	Wick ...	30.27	50	SE	3	0	30.35	+12	51	49	+2	SSW	3	0	2	-	51	45	*	0.01									
	Nairn ...	30.22	49	E	1	0	30.34	+14	43	42	-8	E	1	0	1	-	52	37	*	0.01									
	Aberdeen ...	30.22	49	NNE	2	0	30.35	+16	49	46	0	ESE	2	0	3	0, 0	52	47	1.7	0.02									
	Leith ...	30.17	51	NE	2	0	30.29	+14	50	47	0	ENE	3	0	*	0	52	48	*	0.03									
	North Shields ...	30.11	53	NE	3	0	30.23	+13	51	48	-2	NE	4	0	4	0	55	48	*	-									
	Spurn Head ...	29.98	54	NE	6	C	30.09	+11	53	50	-2	NE	6	0	5	0, 0	59	50	*	0.04									
FRANCE.	Yarmouth ...	29.86	55	ENE	6	C	30.00	+10	52	49	-3	ENE	6	0	6	0, 0	57	50	*	0.01									
	Loughborough ...	29.97	51	NE	4	C	30.07	+10	50	49	-1	NE	3	0	*	0, 0	59	49	*	0.04									
	Oxford ...	29.91	52	NE	5	0	30.00	+09	51	49	+1	NE	2	0	*	0, 0	60	49	*	-									
	London (Brixton) ...	29.84	54	ENE	4	0	29.96	+09	51	49	0	NE	4	0	*	0, 0	61	49	1.5	0.02									
	The Scaw (Skagen) ...	30.36	45	ESE	4	0	30.45	+15	43	38	-1	ESE	4	0	1	-	48	41	*	-									
	Fanö ...	30.23	44	NE	7	C	30.32	+17	40	38	-4	NE	3	0	*	-	52	39	*	-									
	Cuxhaven ...	30.00	51	ENE	5	0	30.18	+16	41	37	-8	ENE	5	0	*	-	52	41	*	-									
	The Helder ...	29.89	52	ENE	7	C	30.04	+15	46	43	-4	E	6	0	4	-	54	45	*	-									
	Brussels ...	*	*	*	*	*	29.93	+19	45	45	-1	ENE	1	0	*	-	49	41	*	0.55									
	Berlin ...	29.99	47	E	4	C	30.08	+12	39	35	-6	E	5	0	*	-	55	37	*	-									
SPAN. PEN.	Frankfurt ...	29.88	44	Z	0	0	29.89	+17	42	42	-9	Z	0	f	*	-	52	41	*	0.28									
	Munich ...	29.90	47	SW	2	0	29.86	+17	39	39	-11	Z	0	f	*	-	57	39	*	-									
	C. Gris Nez ...	29.76	48	ENE	7	T	29.91	+13	47	47	-5	E	4	0	4	-	61	46	*	0.55									
	Brest ...	29.82	56	NE	3	0	29.87	+08	52	50	0	N	2	0	1	-	57	50	*	-									
	Lorient ...	29.76	57	NW	4	T	29.81	+05	54	53	+5	N	3	0	2	-	57	46	*	-									
	Rochefort ...	29.77	57	NW	3	0	29.76	00	50	49	+5	NNE	4	0	*	0, 0	61	45	*	0.35									
	Biarritz ...	29.85	59	W	4	C	29.86	+10	57	52	+4	SW	4	0	2	-	59	53	*	-									
	Paris ...	29.73	47	SSW	4	T	29.83	+11	45	44	-3	NE	3	0	*	-	50	43	*	0.55									
	Belfort ...	29.78	47	WNW	3	T	29.81	+04	41	40	0	ENE	4	f	*	-	58	40	*	-									
	Lyons ...	29.80	37	NW	1	T	29.81	-06	46	46	+6	S	1	T	*	-	58	37	*	0.24									
SPAN. PEN.	Nice ...	29.78	56	WSW	1	0	29.80	+04	49	46	-6	NE	4	0	3	-	66	46	*	0.24									
	Perpignan ...	29.69	59	NW	1	0	29.84	+02	46	45	0	SW	1	0	*	-	68	43	*	-									
SPAN. PEN.	Corunna ...	29.78	60	NW	5	0	29.86	+08	62	56	-1	WNW	2	0	*	-	72	57	*	-									
	Lisbon ...	30.05	60	NNW	4	0	29.99	-03	63	59	+1	WNW	4	T	2	-	68	59	*	-									

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, 2<sup>nd</sup> October, 1902.

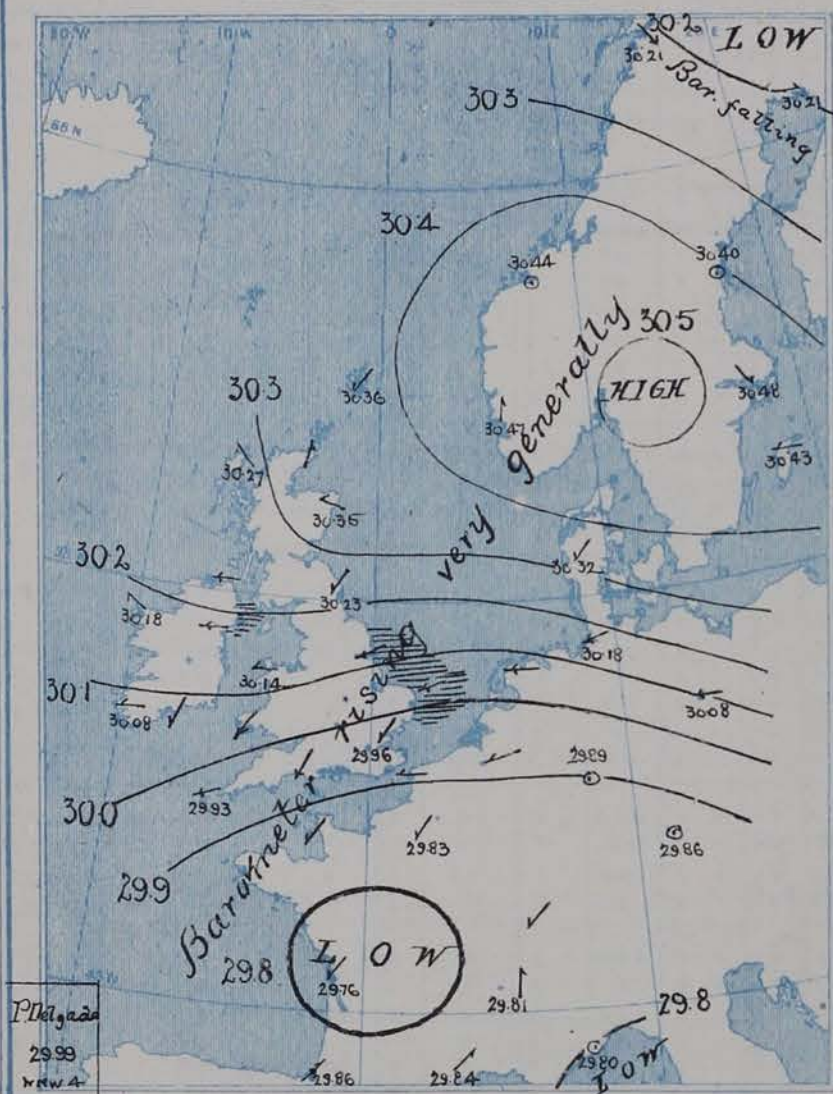
## I. BAROMETER, WIND AND SEA. This Morning.

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

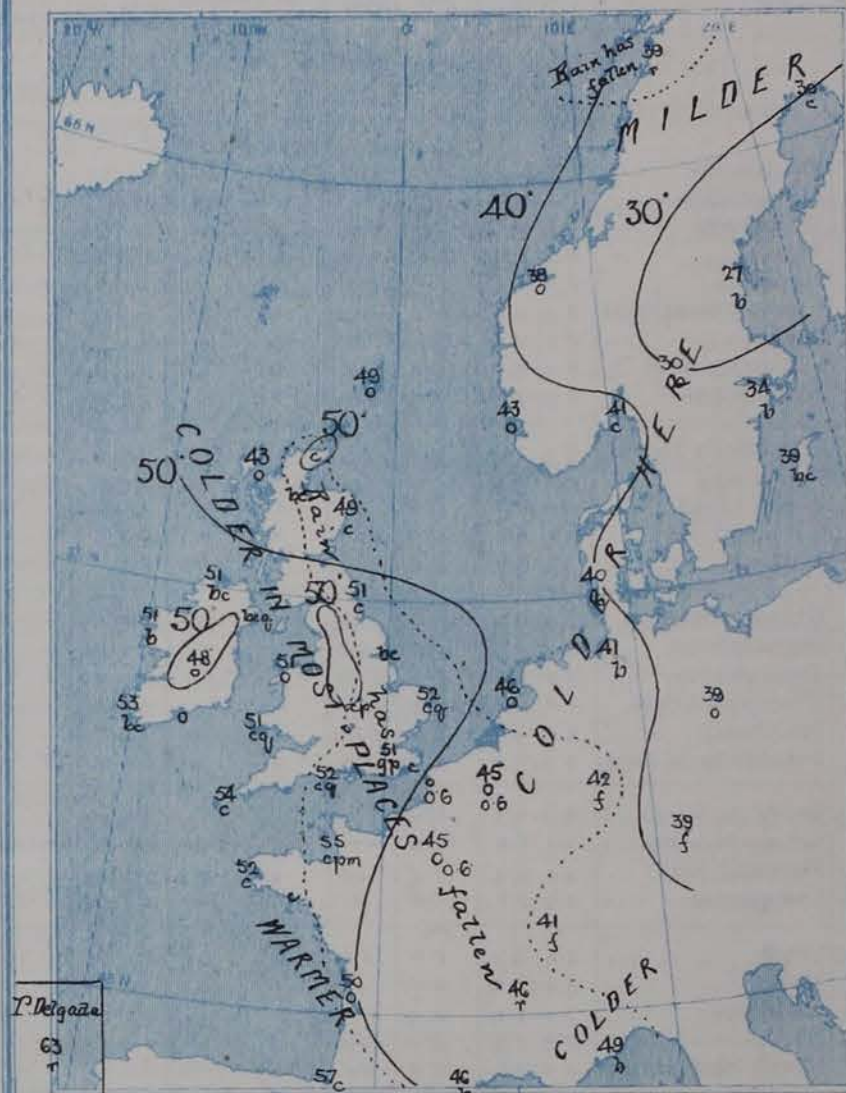


## II. TEMPERATURE AND WEATHER. This Morning.

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 OCTOBER.

Specimen {Average N° of } 2.8  
(for Stornaway) {Hours daily } 10.1  
{Total Possible }



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

SEPTEMBER-OCTOBER (1871-1900.)





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Barometric pressure has increased since yesterday except in the extreme north of Scandinavia, and the present readings range from 30.52 ins. at Karlstad to 29.76 ins. at Rochefort; the gradients are steepest over the North Sea, England, and Holland. Over the north of Scandinavia the barometer has begun to fall briskly.

## WIND

## TEMPERATURE

## WEATHER

## AND

## SEA

NE<sup>2y</sup> and E<sup>2y</sup> winds are still prevalent over the North Sea, England, Ireland, and the north of France, and are blowing strongly on our East coast and at the Skelder. In the south of France the wind is light, and variable; in Scotland it is veering towards S. while at Bodø it has become strong from NW. Temperature has fallen over Germany, risen in Lapland. Over the British Islands it ranges from 54° at Scilly to 48° at Parsonstown, and 43° at Nairn, and is rather below the average generally. The weather is cloudy except in the south of Sweden, and rain is falling over our south Midlands, and at Bodø.

Sea is rough on our eastern coasts and at Donaghadee. Since yesterday morning temperature has touched 60°, or 61° at several of our southwestern and southern stations, 61° at Rochefort, 66° at Nice. There has been considerable rain over France and Belgium, a smaller quantity over England, and 0.2 ins. at Bodø. A "water spout" is reported from Bidart. Bright Sunshine amounted to 7.6 hours at Pembroke, and 4.6 hours at Lowestoft but was very slight in most places.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The E<sup>2y</sup> current of wind appears likely to die down in most places, the NW<sup>2y</sup> wind at Bodø is likely to spread southwards, to Scotland at first, and a change of weather is probable. Rain is likely in the north.

## FORECASTS\*

For the 24 hours ending at NOON on 3<sup>rd</sup> OCT. 1902

### DISTRICTS.

### FORECASTS.

0	{ SCOTLAND NORTH	{ SE <sup>2y</sup> and very variable winds, light; fine to showery.
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	NE <sup>2y</sup> winds, moderate to light; fine.
3	{ ENGLAND EAST	Same as N° 5.
4	{ MIDLAND COUNTIES	Same as N° 2.
5	{ ENGLAND SOUTH	NE <sup>2y</sup> winds, moderating slowly; showery to fine.

### DISTRICTS.

### FORECASTS.

6	{ SCOTLAND WEST	Same as N° 0 + 1.
7	{ ENGLAND N.W.	
8	{ ENGLAND S.W.	{ E <sup>2y</sup> winds, fresh or moderate; cloudy, fair.
9	{ IRELAND NORTH	
10	{ IRELAND SOUTH	
WARNINGS		At 7.40 pm yesterday to dists. 3, 5, and part of 2 "Horse North Cone" and at 10.35 am today "Lower 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 ... ..	*	*	*	*	*	*	*	*	*	*	c	*	c	56	50	2.0	0.08
Newton Reigny (Penrith)	30.10	50	NE 3	c	30.18	+ .13	47	45	- 4	NE 1	c	*	09 m	55	44	0.0	-
Bath ... ..	29.87	55	NE 4	o	29.97	+ .08	52	50	+ 1	N 4	b	*	-	60	48	3.0	-

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	54	48	c o	0.5	0.08	Worthing ... ..	*	*	*	0.1	*
Birmingham, 9 p.m. ...	58	48	c	3.6	-	Llandudno ... ..	*	*	*	0.5	*
Lowestoft, up to 6 p.m. ...	56	52	c	4.6	-	Rhyl up to 6 p.m. ...	*	*	*	1.6	*
Hastings ... ..	*	*	*	0.0	*	Southport, 9 p.m. ...	58	48	c o, b	0.5	-
Eastbourne up to 6 p.m. ...	*	*	*	0.0	*	Manchester, 9 p.m. ...	62	49	c	0.5	-
Brighton ... ..	*	*	*	0.1	*	Darwen, 9 p.m. ...	54	45	c w	0.3	-

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

STATIONS. 1. Oct. 02.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 30 Sept.	TEMPERATURE, F. at 1 p.m.		WEATHER.	RAIN. (measured at 7 a.m.)
	Max.	Min.				°	°		
Marseilles ... ..	64	39	c	bc	Geneva ... ..	54	0	0.94	Ins.
Utrecht ... ..	61	43	o	o	Berne ... ..	50	0	-	-
Copenhagen ... ..	52	43	o	o	Lucerne ... ..	54	0	-	-
Prague ... ..	61	46	o	o	Lausanne ... ..	3	?	-	-
Vienna ... ..	64	48	o	o	Lugano ... ..	63	0	-	-
Buda-Pesth ... ..	64	55	o	o	Locarno ... ..	?	?	-	-
St. Petersburg ... ..	46	30	o	b					
Rome ... ..	76	64	c	o					
Malta ... ..	77	67	?	m					
Madeira (Funchal) ... ..	75	61	c	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.

	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 ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon)	8.36 a.m.		

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

2 .....X....., 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	5. 57	11. 42	5. 27
Greenwich ... ..	6. 3	11. 49	5. 35
Wick ... ..	6. 21	12. 1	5. 42
Valencia ... ..	6. 44	12. 30	6. 16

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

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" 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.

† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on *Friday, 3<sup>rd</sup> October,* 1902

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.
SCANDINAVIA.	Haparanda ...	29.84	38	W	4	0	29.54	-0.67	34	34	+ 4	E	2	7	*	-	38	25	*	0.20	
	Hernösand ...	30.15	42	W	2	0	29.89	-0.51	48	45	+ 21	W	4	0	*	-	48	23	*	-	
	Stockholm ...	30.41	37	WSW	2	0	30.17	-0.31	41	38	+ 7	W	6	0	*	-	43	30	*	-	
	Wisby ...	30.40	37	Z	0	0	30.29	-0.14	41	36	+ 2	W	4	0	*	-	45	37	*	-	
	Karlstad ...	30.39	38	SW	2	0	30.25	-0.27	37	36	+ 7	WSW	2	0	*	-	*	*	*	-	
	Färder (X'ania Fjord) ...	30.41	43	SW	2	0	30.26	-0.23	42	39	+ 1	?	4	0	*	-	45	41	*	-	
	Bodö ...	30.59	45	SW	6	7	29.77	-0.44	41	38	+ 2	NNW	6	0	*	-	45	37	*	0.71	
	Christiansund ...	30.37	48	W	4	0	30.25	-0.19	45	45	+ 7	W	8	0	*	-	48	37	*	0.12	
	Skudesnaes ...	30.47	45	Z	0	0	30.36	-0.11	43	42	0	NE	2	0	*	-	46	41	*	-	
	Sumburgh Head ...	30.42	45	Z	0	0	30.38	+0.02	47	44	- 2	W	2	0	*	-	53	41	*	0.02	
BRITISH ISLANDS.	Stornoway ...	30.31	54	SE	1	0	30.37	+0.10	40	38	- 3	SSW	1	0	*	-	58	32	2.6	-	
	Malin Head ...	30.25	53	E	5	0	30.30	+0.08	47	45	- 4	ESE	2	0	*	-	54	43	*	-	
	Blacksod Pt. ...	30.19	54	E	3	0	30.24	+0.06	49	46	- 2	ESE	3	0	*	-	58	48	*	-	
	Valencia... ..	30.10	55	ENE	2	0	30.16	+0.08	47	43	- 6	E	3	0	*	-	58	46	5.5	-	
	Roche's Point ...	30.10	55	E	3	0	30.17	+0.10	48	45	- 3	ENE	3	0	*	-	57	48	*	-	
	Parsonstown ...	30.16	53	NE	2	0	30.24	+0.10	45	43	- 3	E	1	0	*	-	57	41	1.7	-	
	Donaghadee ...	30.23	53	E	5	0	30.32	+0.12	47	44	- 3	E	4	0	*	-	54	46	*	-	
	Liverpool Obsy. ...	30.21	49	E	4	0	30.26	+0.13	45	42	- 6	ENE	2	0	*	-	54	39	*	-	
	Holyhead ...	30.19	51	E	4	0	30.25	+0.11	49	46	- 2	E	3	0	*	-	54	43	*	-	
	Pembroke (St. Ann's) ...	30.08	55	NE	5	0	30.15	+0.13	46	43	- 5	NE	5	0	*	-	58	40	3.9	-	
GERMANY, &c.	Scilly (St. Mary's)...	29.98	55	ENE	5	0	30.04	+0.11	52	48	- 2	ENE	4	0	*	-	59	47	6.0	-	
	Jersey (St. Aubins)...	29.94	56	NE	4	0	30.01	+0.18	51	48	- 4	ENE	3	0	*	-	60	48	6.3	0.03	
	Portland Bill ...	30.02	52	ENE	5	0	30.09	+0.16	46	42	- 6	ENE	5	0	*	-	55	40	*	0.01	
	Dungeness ...	30.01	50	ENE	6	0	30.10	+0.19	48	46	- 4	ESE	7	0	*	-	56	46	*	0.11	
	Wick ...	30.41	50	SE	4	0	30.40	+0.05	44	42	- 7	WNW	1	0	*	-	53	40	*	-	
	Nairn ...	30.38	45	E	2	0	30.41	+0.07	35	34	- 8	Z	0	0	*	-	57	29	*	-	
	Aberdeen ...	30.40	47	E	3	0	30.42	+0.07	46	41	- 3	ESE	2	0	*	-	53	42	4.2	0.01	
	Leith ...	30.32	50	ENE	3	0	30.37	+0.08	47	43	- 3	ENE	2	0	*	-	57	43	*	-	
	North Shields ...	30.29	50	NE	3	0	30.31	+0.08	49	46	- 2	ENE	3	0	*	-	54	45	*	0.01	
	Spurn Head ...	30.18	49	E	0	0	30.22	+0.13	49	47	- 4	E	6	0	*	-	55	45	*	0.10	
FRANCE.	Yarmouth ...	30.08	51	ENE	6	0	30.16	+0.16	48	42	- 4	ENE	6	0	*	-	57	43	*	-	
	Loughborough ...	30.19	47	NE	2	0	30.24	+0.17	43	42	- 7	NNE	2	0	*	-	55	41	*	0.07	
	Oxford ...	30.15	43	NE	4	0	30.17	+0.17	43	40	- 8	NNE	2	0	*	-	56	36	*	-	
	London (Brixton) ...	30.06	50	ENE	5	0	30.13	+0.17	43	42	- 8	ENE	3	0	*	-	53	42	0.0	0.02	
	The Scaw (Skagen) ...	30.43	43	ENE	1	0	30.34	-0.11	40	37	- 3	SW	1	0	*	-	45	37	*	-	
	Fanö ...	30.37	40	NE	4	0	30.37	+0.05	38	35	- 2	NE	2	0	*	-	50	36	*	-	
	Cuxhaven ...	30.22	43	ENE	4	0	30.30	+0.12	39	35	- 2	E	3	0	*	-	46	38	*	-	
	The Helder ...	30.14	47	E	5	0	30.21	+0.17	41	38	- 5	E	5	0	*	-	50	41	*	-	
	Brussels... ..	*	*	*	*	*	30.11	+0.18	37	36	- 8	NE	3	0	*	-	47	34	*	-	
	Berlin ...	30.17	40	E	5	0	30.23	+0.15	34	31	- 5	NE	2	0	*	-	46	30	*	-	
SPAN. PEN.	Frankfurt ...	30.00	40	NE	2	0	30.10	+0.21	39	37	- 3	NNE	4	0	*	-	45	37	*	-	
	Munich ...	29.85	44	Z	0	0	30.01	+0.15	39	39	0	W	2	0	*	-	52	37	*	0.83	
	C. Gris Nez ...	30.03	35	ENE	6	0	30.09	+0.18	38	36	- 9	E	4	0	*	-	54	35	*	-	
	Brest ...	29.93	56	NE	2	0	29.97	+0.10	49	48	- 3	NE	1	0	*	-	57	46	*	-	
	Lorient ...	29.91	54	SSE	1	0	29.96	+0.15	50	50	- 4	E	3	0	*	-	59	48	*	-	
	Rochefort ...	29.87	56	ENE	3	0	29.91	+0.15	47	46	- 3	ENE	3	0	*	-	64	45	*	-	
	Biarritz ...	29.87	63	W	4	0	29.90	+0.04	50	50	- 7	E	3	0	*	-	63	48	*	-	
	Paris ...	29.92	51	NNE	3	0	30.01	+0.18	45	43	0	ENE	3	0	*	-	53	43	*	-	
	Belfort ...	29.85	45	ENE	2	0	29.99	+0.18	39	39	- 2	ENE	5	0	*	-	50	33	*	0.55	
	Lyons ...	29.87	50	SSW	1	0	29.97	+0.16	43	42	- 3	Z	0	0	*	-	52	40	*	0.08	
Nice ...	29.75	57	Z	0	0	29.84	+0.04	58	49	+ 9	Z	0	0	*	-	64	49	*	-		
Perpignan ...	29.84	56	SW	1	0	29.92	+0.08	50	50	+ 4	SW	1	0	*	-	71	46	*	-		
SPAN. PEN.	Corunna ...																				
	Lisbon ...																				
Azores (P. Delgada) ...																					

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, 3<sup>rd</sup> October, 1902.

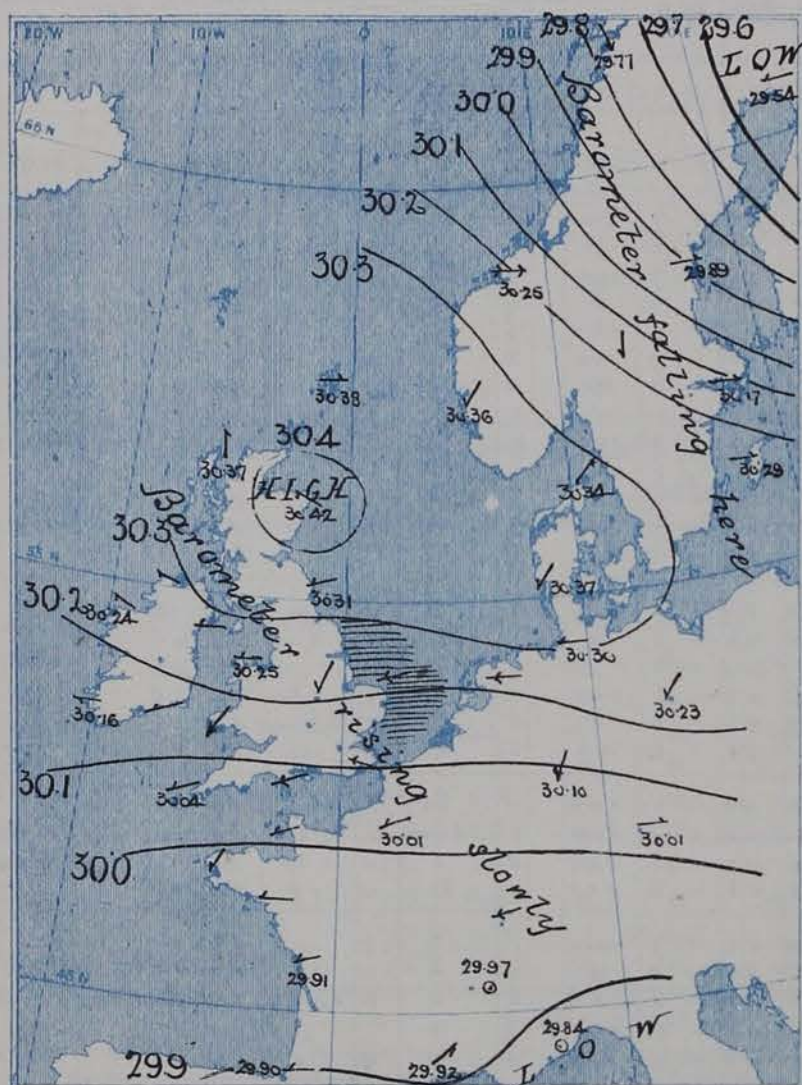
## I. BAROMETER, WIND AND SEA. This Morning.

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 OCTOBER.

Specimen (Average No of) 2.8  
(for Stornaway) { Hours daily } 10.1  
Total Possible



## V. Means of DAILY TEMPERATURE

at 8 A. M. for the Two monthly period

SEPTEMBER-OCTOBER (1871-1900.)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

A further rise of the barometer has occurred all over the British Islands, France, and Germany, and a considerable fall over Scandinavia, so that the area of highest pressure has been transferred in a southwesterly direction to Scotland. The pressure readings range from 30.42 ins. at Aberdeen to 29.54 ins. at Haparanda on the one hand, and to 29.84 ins. at Nice on the other.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

$E^{\text{th}}$  to  $NE^{\text{th}}$  winds still prevail in most places, and blow very strongly on the south-eastern coasts of England; elsewhere they are moderate to light; in Scotland there are very light and variable airs, and over Scandinavia there is a W to NW breeze, which blows hard at Christiansund. Temperature has again decreased except at the Swedish and Norwegian stations, where it has risen greatly; at Hernösand it has risen  $2.1^{\circ}$ . Over the British Islands it ranges from  $52^{\circ}$  at Scilly to  $35^{\circ}$  at Nain (locally). It is several degrees below the average at all our stations. The weather is fine except about London, where it is gloomy, and slight showers are falling. The sea is rough in the east and southeast, moderate in the channel, generally slight or smooth elsewhere.

A maximum temperature of  $60^{\circ}$  was reported at Jersey yesterday; but over the greater part of the Kingdom the highest readings ranged from  $54^{\circ}$  to  $58^{\circ}$ ; at Rochefort and Nice the maxima were  $64^{\circ}$ . Some little rain has again fallen over England, much more over Lapland, and also in the southern parts of France and Germany. Bright Sunshine was considerable on our extreme southwestern coasts only.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The tendency is still for a decrease in the strength of the  $E^{\text{th}}$  wind, and for fine weather over England; the W and NW wind over Scandinavia is at present spreading very slowly, so that only Wick and Lumburgh  $H^{\circ}$  are affected, but will probably extend southwards today.

## FORECASTS \*

For the 24 hours ending at NOON on 4<sup>th</sup> OCT. 1902

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	Variable breezes and fair weather, perhaps hazy.	6 { SCOTLAND WEST	Same as N <sup>os</sup> 0 to 2.
1 { SCOTLAND EAST		7 { ENGLAND N.W.	Same as N <sup>o</sup> 4.
2 { ENGLAND N.E.		8 { ENGLAND S.W.	$E^{\text{th}}$ winds, moderate; fair, cold.
3 { ENGLAND EAST	Same as N <sup>o</sup> 5.	9 { IRELAND NORTH	Same as N <sup>o</sup> 4.
4 { MIDLAND COUNTIES	$NE^{\text{th}}$ winds, light to moderate; fine.	10 { IRELAND SOUTH	
5 { ENGLAND SOUTH	$E^{\text{th}}$ winds, strong, changeable, some rain, cold.	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	*	o, c	52	43	0.5	0.14
Newton Reigny (Penrith)	30.26	45	E 2	c	30.28	+ .10	41	40	- 6	NE 1	bc	*	cog, c, w	53	35	3.2	-
Bath ... ..	30.08	50	NE 2	b	30.16	+ .19	43	40	- 9	E 3	b	*	-	57	38	1.1	-

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	52	46	ow, c	2.2	0.01	Worthing ... ..	*	*	*	0.0	*
Birmingham, 9 p.m. ...	55	45	b	1.9	0.03	Llandudno ... ..	*	*	*	1.6	*
Lowestoft, up to 6 p.m. ...	54	49	b	1.0	-	Rhyl up to 6 p.m. ...	*	*	*	0.4	*
Hastings ... ..	*	*	*	0.0	*	Southport, 9 p.m. ...	56	43	bc	3.1	-
Eastbourne up to 6 p.m. ...	*	*	*	0.0	*	Manchester, 9 p.m. ...	60	46	bc p	1.1	0.01
Brighton ... ..	*	*	*	0.0	*	Darwen, 9 p.m. ...	52	41	bmw	3.8	-

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

STATIONS. 2. Oct. 02	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F. at 1 p.m.		WEATHER.	RAIN. (measured at 7 a.m.)
	Max.	Min.				°	°		
Marseilles ... ..	66	43	o 6	0.20	Geneva ... ..	57	6	Ins.	0.67
Utrecht ... ..	55	41	o r	-	Berne ... ..	52	o	0.28	
Copenhagen ... ..	52	39	bc o	-	Lucerne ... ..	54	o	0.16	
Prague ... ..	57	45	o r	-	Lausanne ... ..	?	?	0.39	
Vienna ... ..	64	50	o o	-	Lugano ... ..	63	6	0.87	
Buda-Pesth ... ..	61	55	o m	0.16	Locarno ... ..	?	?	1.07	
St. Petersburg ... ..	39	30	o o	-					
Rome ... ..	76	63	o o	0.39					
Malta ... ..	81	71	? o	-					
Madeira (Funchal) ... ..	73	59	c o	0.04					

## 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.

	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 ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.		

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

3. .... 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
	h. m.	h. m.	h. m.
Yarmouth ... ..	5.58	11.42	5.25
Greenwich ... ..	6.4	11.49	5.33
Wick ... ..	6.23	12.1	5.59
Valencia ... ..	6.45	12.30	6.14

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.

† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on Saturday, 4<sup>th</sup> October,

1902

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.	Ins.	Dry Bulb.	Direc.		Force (0 to 12.)	Weather.	At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.			Force (0 to 12.)	Weather.			Max.	Min.
SCANDINAVIA.	Haparanda	29.88	27	NE	4	8	30.11	+0.57	28	26	-6	NW	2	8c	*	-	37	25	*	0.28		
	Hernösand	30.02	36	NW	4	8	30.26	+0.37	32	30	-16	Z	0	8	*	-	54	32	*	-		
	Stockholm	29.97	48	WNW	2	0	30.21	+0.04	37	36	-4	NW	2	8	*	-	50	36	*	-		
	Wisby	30.01	44	SW	6	8c	30.16	-0.13	42	37	+1	E	2	8c	*	-	48	30	*	-		
	Karlstad	30.06	45	Z	0	8	30.30	+0.05	37	34	0	NNE	2	8	*	-	*	*	*	-		
	Färder (X'iania Fjord)	30.07	49	WSW	4	8	30.27	+0.01	44	39	+2	ENE	4	c	2	-	50	42	*	-		
	Bodö	30.12	37	N	4	8c	30.21	+0.44	37	35	-4	WNW	2	8c	2	-	41	34	*	-		
	Christiansund	30.23	44	W	3	0	30.36	+0.11	38	37	-7	ENE	1	8	2	-	50	37	*	0.63		
	Skudesnaes	30.23	48	NNW	6	8	30.21	-0.15	45	44	+2	N	4	8	1	8	52	43	*	-		
	Sumburgh Head	30.31	47	W	4	8c	30.28	-0.10	48	47	+1	Z	0	0	2	8, 8c	51	41	*	-		
BRITISH ISLANDS.	Stornoway	30.32	49	Z	0	0v	30.31	-0.06	43	42	+3	W	1	cv	1	c, ov	56	36	6.3	-		
	Malin Head	30.28	49	ESE	4	c	30.28	-0.02	45	43	-2	SE	3	8	2	8c, c	51	39	*	-		
	Blacksod Pt.	30.22	51	E	4	cm	30.23	-0.01	48	45	-1	E	4	8m	3	8m, cm	55	45	*	-		
	Valencia...	30.15	51	ESE	1	c	30.16	-0.00	44	41	-3	E	2	8	3	c	56	42	6.6	-		
	Roche's Point	30.15	48	ENE	4	op	30.13	-0.04	45	42	-3	NNE	3	op	2	c, op	55	42	*	0.10		
	Parsonstown	30.19	49	E	2	0	30.20	-0.04	44	42	-1	NE	2	0	*	8c	54	42	4.7	-		
	Donaghadee	30.26	51	E	4	8c	30.28	-0.04	48	46	+1	E	3	p	3	-	54	46	*	0.01		
	Liverpool Obsy.	30.23	46	E	4	0	30.22	-0.04	44	42	-1	ENE	1	8	?	0, p	50	39	*	0.03		
	Holyhead	30.21	48	E	3	cp	30.21	-0.04	48	45	-1	E	2	8cm	1	8c, cp	50	44	*	-		
	Pembroke (St. Ann's)	30.10	49	NE	5	8c	30.11	-0.04	44	42	-2	ENE	6	8c	4	8c, g	53	40	5.9	-		
GERMANY, &c.	Scilly (St. Mary's)...	30.02	52	ENE	5	c	30.00	-0.04	48	44	-4	ENE	5	c, r, s	3	c	55	42	9.1	-		
	Jersey (St. Aubins)...	29.98	48	E	3	og, pm	30.00	-0.01	50	47	-1	E	4	cm	3	og, pm	52	46	0.8	0.13		
	Portland Bill	30.07	46	ENE	5	c	30.05	-0.04	45	43	-1	ENE	5	0	4	c	51	42	*	-		
	Dungeness	30.10	46	ESE	4	c	30.10	-0.00	48	46	0	E	4	c	2	c	49	44	*	-		
	Wick	30.34	47	Z	0	0	30.30	-0.10	36	35	-1	N	1	8	2	-	52	30	*	-		
	Nairn	30.34	44	Z	0	8	30.33	-0.08	38	36	+3	SW	2	8	1	-	55	29	*	-		
	Aberdeen	30.35	42	E	1	8	30.32	-0.10	38	36	-8	NW	2	8	2	8	52	32	7.2	-		
	Leith	30.32	48	ENE	2	8	30.31	-0.06	44	42	-3	WSW	1	cm	*	-	55	41	*	0.02		
	North Shields	30.28	49	ENE	3	c	30.25	-0.06	50	48	+1	NE	3	0	4	8c, c, r	52	44	*	0.05		
	Spurn Head	30.18	47	E	5	8c	30.20	-0.02	51	48	+2	ENE	4	cg	5	8c, p	53	44	*	0.22		
FRANCE.	Yarmouth	30.15	48	ENE	6	cg	30.15	-0.01	49	45	+1	ENE	6	c	6	8c, cg	50	44	*	-		
	Loughborough	30.20	45	ENE	2	c	30.20	-0.04	43	42	0	NE	2	cm, w	*	8c, c, om	49	40	*	-		
	Oxford	30.16	43	NE	2	0	30.15	-0.02	43	41	0	NE	3	or	*	8c, o	52	42	*	-		
	London (Brixton)	30.11	45	ENE	3	c	30.11	-0.02	45	43	+2	E	3	og	*	gd, c, o	48	42	0.2	0.01		
	The Scaw (Skagen)	30.11	43	WSW	3	8	30.18	-0.16	48	45	+8	ESE	4	c	1	-	54	39	*	-		
	Fanö	30.24	41	WNW	2	8	30.20	-0.17	48	47	+10	SW	3	c	*	-	48	37	*	-		
	Cuxhaven	30.24	46	E	3	8	30.25	-0.05	34	33	-5	S	1	8	*	-	46	34	*	-		
	The Helder	30.17	45	E	4	8	30.20	-0.01	42	39	+1	ESE	2	8	2	-	46	39	*	-		
	Brussels...	*	*	*	*	*	30.14	+0.03	37	36	0	E	1	0	*	-	42	32	*	-		
	Berlin	30.18	44	NW	2	0	30.28	+0.05	36	34	+2	Z	0	f	*	-	46	34	*	-		
SPAN. PEN.	Frankfurt	30.19	39	E	2	0	30.17	+0.07	40	37	+1	E	2	0	*	-	45	39	*	-		
	Munich	30.11	41	NE	5	0	30.15	+0.14	41	41	+2	E	5	0	*	-	46	39	*	0.08		
	C. Gris Nez	30.10	41	ENE	4	8	30.12	+0.03	36	36	-2	ENE	4	0	4	-	?	?	*	-		
	Brest	29.95	52	NE	2	0	29.93	-0.04	45	44	-4	E	2	8c	1	-	61	43	*	-		
	Lorient	29.95	53	E	4	8c	29.92	-0.04	46	46	-4	E	3	m	2	-	59	45	*	-		
	Rochefort	29.89	55	NNE	4	8c	29.82	-0.09	49	48	+2	ENE	5	0	*	c, 8c	63	46	*	-		
	Biarritz	29.80	63	E	4	0	29.78	-0.12	55	55	+5	E	3	0	0	0, 8c, r	68	50	*	1.26		
	Paris	30.03	48	E	3	0	30.00	-0.01	43	42	-2	NNE	3	0	*	-	55	42	*	-		
	Belfort	30.00	43	ENE	5	m	30.02	+0.03	37	37	-2	ENE	6	f	*	-	49	37	*	-		
	Lyons	29.97	50	NNE	1	8	29.97	-0.00	45	45	+2	NNW	1	f	*	-	56	43	*	-		
Nice	29.90	60	SW	2	8	29.94	+0.10	59	53	+1	E	4	0	4	-	70	52	*	-			
Perpignan	29.86	62	Z	0	0	29.75	-0.17	57	57	+7	Z	0	r	*	0, 2	65	50	*	0.91			
SPAN. PEN.	Corunna																	*				
	Lisbon																	*				
	Azores (P. Delgada)																	*				

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, 4<sup>th</sup> October, ..... 1902.

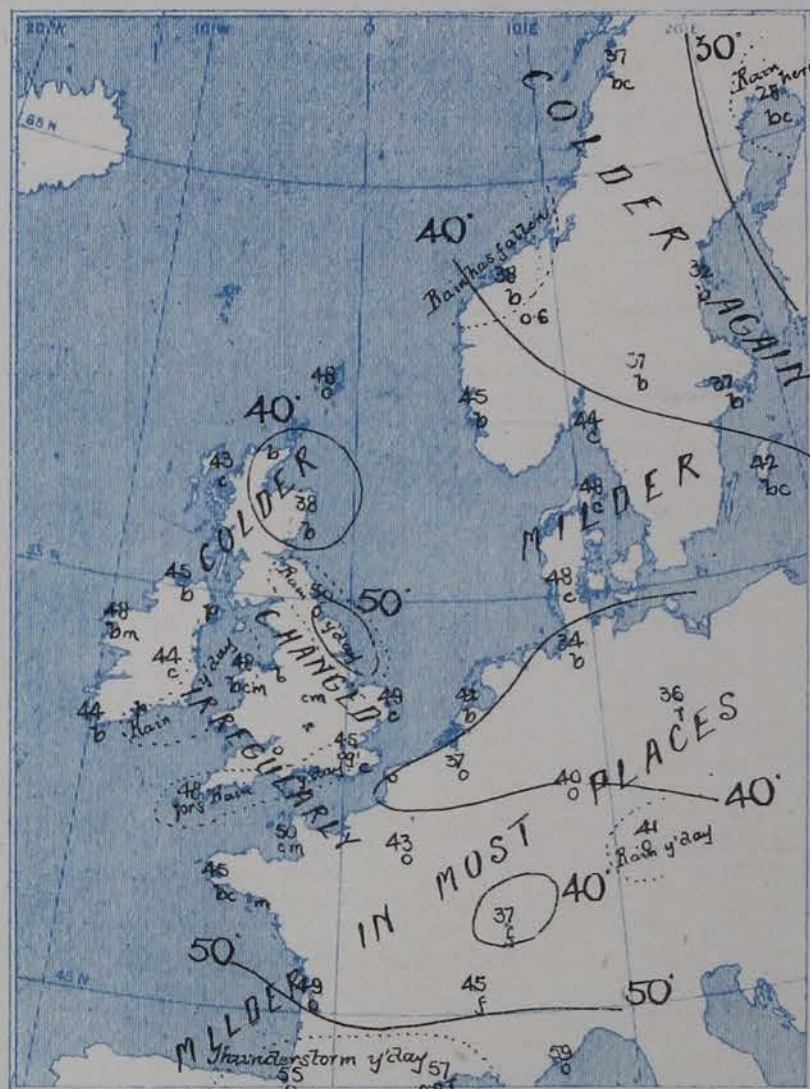
*BAROMETER*.—Isobars are drawn for each tenth of an inch.  
*WIND*.—Arrows show Directions and Force, flying with the wind.

[illegible]

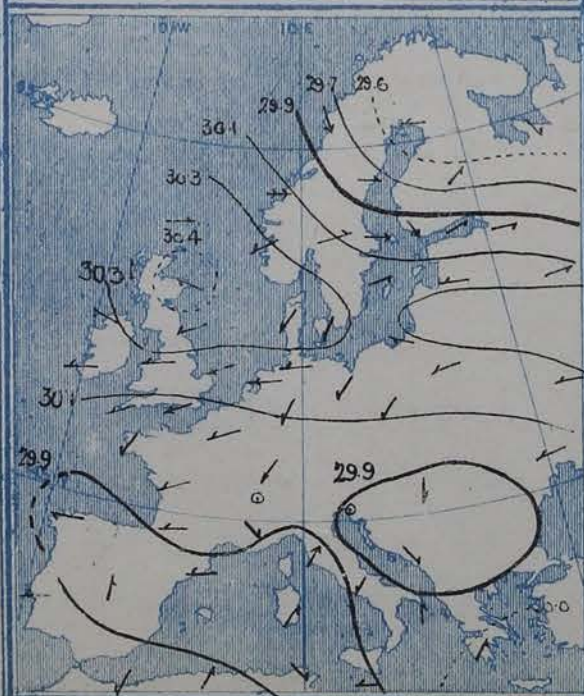
TEMPERATURE.—Isotherms are drawn for each 10°.

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

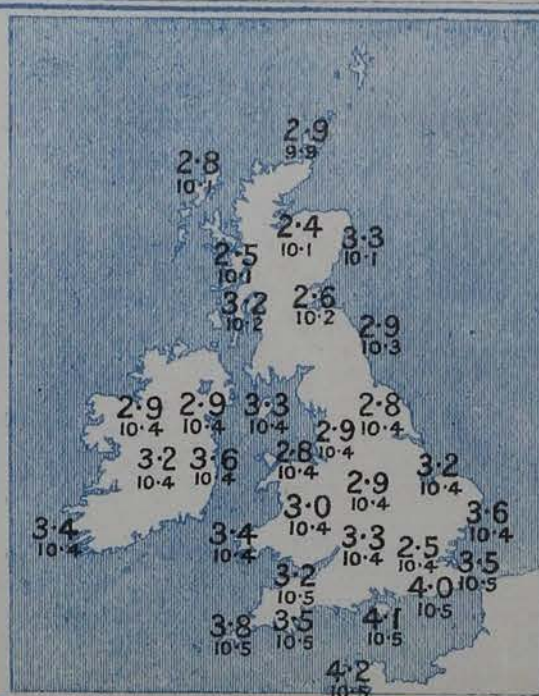
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus — 0·6



*Yesterday morning.*



Specimen	{ Average N <sup>o</sup> of	2.8
(for Stornaway)	{ Hours daily	
	{ Total Possible	10.1



at 8 A. M. for the Two monthly period  
SEPTEMBER-OCTOBER 1871-1900.





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Barometric pressure has increased considerably over Lapland and Sweden, and slightly over Germany, fallen a little elsewhere, most in the southwest of France, and readings now range from 30.36 ins. at Christiansund and 30.33 ins. at Naion to 29.78 ins. at Biarritz.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

Very light and variable airs (mainly from N or W) are prevailing over Scotland, NE<sup>ly</sup> to E<sup>ly</sup> winds over Ireland, England and France, these latter blowing freshly over the English Channel, strongly at Larmouth and Belfort. Temperature has fallen over Scandinavia and some parts of Scotland. In our islands it ranges from 51° at Spurn N<sup>d</sup> to 44° at Parnostown and 36° at Wick. The readings are all below the average, but especially those in the north. At Berlin it is 36°, at Paris 43°, at Nice 59°. Cape Gris Nez is 12° colder than Dungeness. Weather is fine in the far north, dull and unsettled in the south and at Berlin, with rain in places, sleet at Scilly. Sea is still rough in the east, moderate in the south, slight or smooth in the north.

Since yesterday the temperature has remained very low over our Islands, the maxima ranging from 48° in London to 56° at Valencia and Stornoway. There has been a little rain in several localities, but a great deal in the extreme southwest of France, accompanying a thunderstorm. Bright sunshine was greatest at our western stations.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

*There is no decided indication of important change.*

## FORECASTS \*

For the 24 hours ending at NOON on 5<sup>th</sup> OCTOBER 1902

### DISTRICTS.

### FORECASTS.

0 { SCOTLAND  
NORTH

1 { SCOTLAND  
EAST

2 { ENGLAND  
N.E.

3 { ENGLAND  
EAST

4 { MIDLAND  
COUNTIES

5 { ENGLAND  
SOUTH

*Very light winds and fine weather.*

*NE<sup>ly</sup> to E<sup>ly</sup> winds; cloudy, some slight cold showers locally.*

### DISTRICTS.

### FORECASTS.

6 { SCOTLAND  
WEST

7 { ENGLAND  
N.W.

8 { ENGLAND  
S.W.

9 { IRELAND  
NORTH

10 { IRELAND  
SOUTH

*Same as N<sup>os</sup> 0 and 1.*



*Same as N<sup>os</sup> 0 and 1.*

*Same as N<sup>os</sup> 2-5.*

*NE<sup>ly</sup> winds, moderate; fair.*

### 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 ... ..	*	*	*	*	*	*	*	*	*	*	c	*	o.c	48	45	0.3	-	
Newton Reigny (Penrith)	30.25	43	E 2	c	30.23	- .05	45	44	+ 4	NE 3	o	*	c 9.0	51	39	3.0	-	
Bath ... ..	30.11	42	E 2	8	30.12	- .04	44	42	+ 1	NE 2	o	*	-	50	39	5.2	-	

## REPORTS FOR YESTERDAY.

STATIONS	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	50	40	c	0.8	0.03	Worthing ... ..	*	*	*	1.3	*
Birmingham, 9 p.m. ...	49	41	8	1.5	-	Llandudno ... ..	*	*	*	1.8	*
Lowestoft, up to 6 p.m. ...	51	45	o	6.3	-	Rhyl up to 6 p.m. ...	*	*	*	1.5	*
Hastings ... ..	*	*	*	1.3	*	Southport, 9 p.m. ...	51	39	o.c	2.4	-
Eastbourne up to 6 p.m. ...	*	*	*	0.1	*	Manchester, 9 p.m. ...	55	43	o.p	1.5	0.07
Brighton ... ..	*	*	*	2.7	*	Darwen, 9 p.m. ...	50	40	c	0.8	0.03

## 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. (measured at 7 a.m.)
	Max.	Min.				at 1 p.m.	°		
3. X. 02				Ins.	2. X. 02			1 p.m.	Ins.
Marseilles ... ..	64	46	b o	-	Geneva ... ..	50		r	0.12
Utrecht ... ..	48	32	o o	-	Berne ... ..	50		o	-
Copenhagen ... ..	46	39	o o	-	Lucerne ... ..	52		o	0.04
Prague ... ..	45	36	o o	0.04	Lausanne ... ..	?		?	-
Vienna ... ..	55	36	o o	0.08	Lugano ... ..	54		o	0.12
Buda-Pesth ... ..	64	55	b a	0.05	Locarno ... ..	?		?	0.16
St. Petersburg ... ..	48	32	o o	-					
Rome ... ..	69	55	o c	0.87					
Malta ... ..	78	73	?	o					
Madeira (Funchal) <i>not rec.</i>				-					

## 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.

	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 ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.		

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

4. X. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
	h. m.	h. m.	h. m.
Yarmouth ... ..	6. 0	11.42	5.23
Greenwich ... ..	6. 7	11.49	5.31
Wick ... ..	6. 26	12. 1	5.36
Valencia ... ..	6. 47	12.30	6. 12

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.

† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on SUNDAY 5<sup>th</sup> OCTOBER

1902

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.)		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.
SCANDINAVIA.	Haparanda ...	30.04	29	SE	4	o	30.02	-0.04	30	30	+2	Z	0	c	*	-	30	23	*	-	
	Hernösand ...	30.23	34	Z	0	b	30.24	-0.02	37	35	+5	Z	0	o	*	-	43	30	*	-	
	Stockholm ...	30.36	33	Z	0	b	30.39	+0.18	36	35	-1	W	2	b	*	-	48	33	*	-	
	Wisby ...	30.39	35	Z	0	b	30.41	+0.25	43	37	+1	NNW	2	b	*	-	48	35	*	-	
	Karlstad ...	30.37	34	NW	2	bc	30.41	+0.11	29	29	-8	N	2	b	*	-	*	*	*	-	
	Færder (X'iania Fjord)	30.36	45	Z	0	b	30.41	+0.14	43	42	-1	NNE	2	b	1	-	46	43	*	-	
	Bodö ...	30.12	41	SW	6	+	30.08	-0.13	44	44	+7	SW	6	+	4	-	44	36	*	0.75	
	Christiansund ...	30.31	37	ENE	1	b	30.40	+0.04	38	37	0	ENE	1	b	2	-	45	34	*	-	
	Skudesnaes ...	30.34	48	Z	0	b	30.38	+0.17	46	45	+1	Z	0	b	1	-	52	43	*	*	
	Sumburgh Head	30.30	48	NW	1	o	30.33	+0.05	47	46	-1	ESE	1	o	3	o	51	46	*	-	
BRITISH ISLANDS.	Stornoway ...	30.29	49	ENE	1	b	30.25	-0.06	45	44	+2	SE	1	bw	1	c, b	59	40	3.4	-	
	Malin Head ...	30.25	50	N	3	b	30.20	-0.08	50	49	+5	E	3	o	2	b	53	45	*	-	
	Blacksod Pt. ...	30.21	51	ENE	5	bc	30.17	-0.06	51	48	+3	ENE	3	cm	3	b, bc	53	46	*	-	
	Valencia... ..	30.12	48	E	3	c	30.09	-0.07	47	44	+3	ENE	2	cm	3	b, cm, c	53	40	6.2	-	
	Roche's Point ...	30.11	48	NNE	3	op	30.07	-0.06	47	45	+2	NE	4	og	3	op	49	44	*	0.04	
	Parsonstown ...	30.16	49	NE	1	o	30.12	-0.08	44	43	0	N	2	ot	*	o	55	43	5.9	0.12	
	Donaghadee ...	30.21	53	E	3	c	30.16	-0.12	50	49	+2	E	4	cq	4	-	53	46	*	-	
	Liverpool Obsy. ...	30.15	50	E	2	bc	30.10	-0.12	47	44	+3	ENE	2	o	2	o, bc	53	44	*	-	
	Holyhead ...	30.13	50	Z	0	bm	30.10	-0.11	49	47	+1	E	3	op	2	o, bm	51	45	*	0.02	
	Pembroke (St. Ann's)	30.07	48	ENE	5	c	30.01	-0.10	47	45	+3	ENE	5	ogmp	4	-	52	44	3.0	-	
GERMANY, &c.	Scilly (St. Mary's)...	29.97	50	E	5	o	29.95	-0.05	49	47	+1	NE	1	cw	2	o	52	44	0.4	0.05	
	Jersey (St. Aubins)...	29.93	54	ENE	4	cm	29.92	-0.08	53	50	+3	NNE	3	om	3	b, c, gm	56	48	8.8	0.01	
	Portland Bill ...	30.02	48	ENE	5	op	29.96	-0.09	47	46	+2	ENE	5	op	3	o, op	49	44	*	0.04	
	Dungeness ...	29.92	47	ESE	5	o	29.96	-0.04	50	49	+2	E	5	o	2	c, o	50	44	*	-	
	Wick ...	30.30	48	Z	0	b	30.30	-0.00	48	47	+12	ESE	1	o	1	-	54	31	*	-	
	Nairn ...	30.31	45	E	1	b	30.30	-0.03	45	44	+7	Z	0	c	0	-	55	35	*	0.01	
	Aberdeen ...	30.30	48	NNE	2	o	30.27	-0.05	49	47	+11	E	3	og	4	b, c, o, t	53	37	8.3	0.04	
	Leith ...	30.26	50	NE	1	o	30.20	-0.11	50	49	+6	ENE	3	d	*	-	54	43	*	0.10	
	North Shields ...	30.21	50	NE	2	o	30.16	-0.09	50	47	0	E	3	c	3	c, o	52	47	*	0.03	
	Spurn Head ...	30.13	52	ENE	4	bc	30.07	-0.13	52	50	+1	ENE	6	c	3	-	55	50	*	-	
FRANCE.	Yarmouth ...	30.10	48	ENE	6	c	30.01	-0.14	49	47	0	ENE	6	cq	6	c	50	46	*	-	
	Loughborough ...	30.14	47	ENE	3	c	30.07	-0.13	47	44	+4	NE	1	om	*	c, bc, v, o	52	42	*	-	
	Oxford ...	30.08	45	NE	3	o	30.01	-0.14	46	44	+3	NE	2	op	*	o	49	43	*	0.07	
	London (Brixton)	30.06	45	ENE	4	og	29.98	-0.13	48	46	+3	ENE	3	o	*	og, t	48	45	0.0	0.02	
	The Scaw (Skagen)	30.35	46	E	2	b	30.38	+0.20	44	41	-4	E	2	b	0	-	50	43	*	-	
	Fanö ...	30.31	40	Z	0	b	30.32	+0.12	42	41	-6	E	3	b	*	-	54	39	*	-	
	Cuxhaven ...	30.27	47	ESE	2	b	30.24	-0.01	41	39	+7	E	4	b	*	-	48	34	*	-	
	The Helder ...	30.16	48	E	2	b	30.06	-0.14	43	40	+1	ESE	4	o	4	-	50	42	*	-	
	Brussels... ..	*	*	*	*	*	29.95	-0.19	40	39	+3	ENE	2	o	*	-	46	35	*	-	
	Berlin ...	30.29	42	Z	0	b	30.26	-0.02	41	40	+5	SE	3	b	*	-	48	36	*	-	
SPAN. PEN.	Frankfurt ...	30.11	39	ENE	2	b	30.01	-0.16	39	37	-1	NE	2	o	*	-	46	36	*	-	
	Munich ...	30.04	39	E	6	o	29.95	-0.20	39	39	-2	E	5	c	*	-	45	37	*	0.04	
	C. Gris Nez ...	30.04	41	ENE	5	o	29.93	-0.19	41	39	+5	E	4	o	3	-	43	36	*	-	
	Brest ...	29.91	54	NE	1	b	29.93	-0.00	45	44	0	E	1	b	1	-	63	43	*	-	
	Lorient ...	29.89	55	ENE	3	bc	29.93	+0.01	46	45	0	ENE	3	m	2	-	61	45	*	-	
	Rochefort ...	29.80	51	NNE	5	+	29.87	+0.05	51	50	+2	N	4	o	*	-	61	46	*	0.04	
	Biarritz ...	29.82	61	N	3	o	29.93	+0.15	59	56	+4	NW	4	bc	2	-	66	54	*	0.08	
	Paris ...	29.94	48	NE	3	+	29.88	-0.12	43	42	0	NE	2	c	*	-	52	42	*	0.12	
	Belfort ...	29.90	47	ENE	5	m	29.86	-0.16	43	42	+6	ENE	4	+	*	-	51	37	*	-	
	Lyons ...	29.86	49	NW	1	+	29.85	-0.12	51	49	+6	NW	1	+	*	-	51	45	*	0.58	

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 SUNDAY, 5<sup>th</sup> October, 1902.

## 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°.

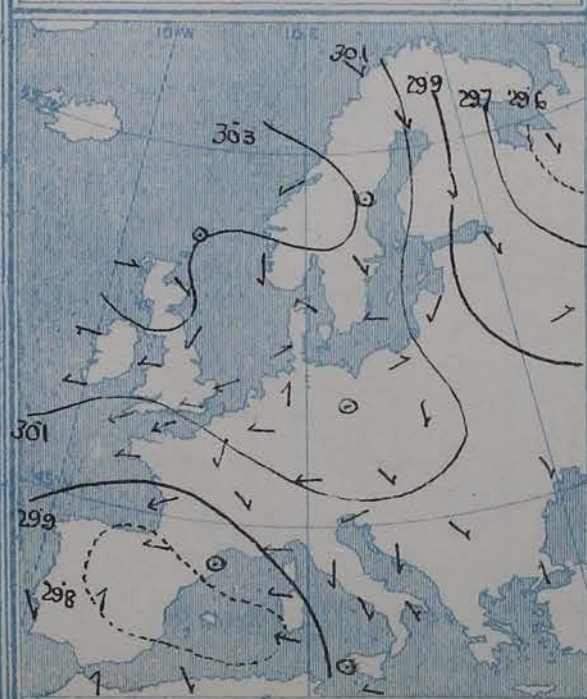
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

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 OCTOBER.

Specimen { Average N<sup>o</sup> of } 2.8  
(for Stornaway) { Hours daily }  
{ Total Possible } 10.1



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period SEPTEMBER-OCTOBER (1871-1900).





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

The barometer continues highest in an anticyclone over Scandinavia and lowest in a cyclonic disturbance over France, the readings in the former region being above 30.4 ins. and in the latter below 29.9 ins. Pressure is still increasing in the immediate neighbourhood of the anticyclone and also in the South and Southwest of France, decreasing slightly elsewhere. Gradients are moderate to rather steep over Germany and the southern parts of the North Sea.

## WIND

## TEMPERATURE

## WEATHER

## AND

## SEA

Easterly winds continue to prevail over the United Kingdom, the North Sea and the English Channel and blow strongly on our eastern coasts; over the Bay of Biscay they draw into NE and N, while at Bodo there is a strong breeze from SW. Temperature is rather low for the time of year. Over our Islands it is very uniform, ranging from 53° at Jersey, 52° at Spurn Pt., 51° at Blackhead Point to 45° at Naïros and Shornoway and to 44° at Parsons-Itorn. The continental values range from 59° at Biarritz and Perpignan to 43° at Paris and Wiesbaden, 39° at Munich and Frankfurt and to 23° at Kassel. The weather is overcast or very cloudy except in North Germany, Denmark, and the southern half of Scandinavia, and rain or passing showers are falling at a few of our own southern and western stations, over central and southeastern France and at Bodo. The sea is still rough at Tarnmouth, moderate to smooth elsewhere.

The highest maximum temperatures recorded at any of our own stations yesterday was 56° at Jersey; at Portland Bill and Oxford the thermometer did not rise above 49°. Frost occurred during the night in the extreme north of Scotland. The amount of bright sunshine was very considerable at some stations in the north and west as well as in the Channel Islands, but very slight in the southeast and at Scilly. A little rain has been experienced in different parts of our Islands and heavy amounts in the south-east of France.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS\*

For the 24 hours ending at NOON on 6<sup>th</sup> OCT. 1902

### 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

*None issued.*  
*None issued.*

### WARNINGS

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	*	*	*	*	*	*	*	*	*	*	bc	*	c, 0	50	45	0.0	-
Newton Reigny (Penrith)												*					
Bath	30.62	47	E 1	b	29.99		46	45		E 1	0	*	-	50	40	1.5	0.21

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Rainfall.		STATIONS.	TEMPERATURE.		Weather.	Sunshine. Rainfall.	
	Max.	Min.		Hrs.	Ins.		Max.	Min.		Hrs.	Ins.
Harrogate, up to 6 p.m. ...	51	35	c	0.6	0.07	Worthing ...	*	*	*	0.3	*
Birmingham, 9 p.m. ...	50	39	0	0.3	—	Llandudno ...	*	*	*	4.8	*
Lowestoft, up to 6 p.m. ...	*	*	*	*	*	Rhyl up to 6 p.m. ...	*	*	*	*	*
Hastings ...	*	*	*	*	*	Southport, 9 p.m. ...	54	35	0.0.0	1.3	—
Eastbourne up to 6 p.m. ...	*	*	*	*	*	Manchester, 9 p.m. ...					
Brighton ...	*	*	*	*	*	Darwen, 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. at 1 p.m.	WEATHER.	RAIN. (measured at 7 a.m.)
	Max.	Min.						
4. X. 02					3. X. 02			
Marseilles ... ..	68	55	o o	Ins.	Geneva ... ..	54	bc	Ins.
Utrecht... ..	48	30	b o	—	Berne ... ..	48	o	0.43
Copenhagen... ..	45	37	m m	—	Lucerne ... ..	52	o	0.32
Prague ... ..	43	37	o o	—	Lausanne... ..	?	?	0.59
Vienna ... ..	45	39	o o	—	Lugano ... ..	61	b	0.63
Buda-Pesth ... ..	61	39	o b	?	Locarno ... ..	?	?	0.12
St. Petersburg ... ..	45	32	r s	0.31				
Rome ... ..	73	55	o o	—				
Malta ... ..	79	73	? o	—				
Madeira (Funchal) Not rec'd								

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.			
	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	5.....X....., 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium, Holland ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.	Yarmouth ... ..	h. m. 6. 2	h. m. 11. 42	h. m. 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. 9	11. 49	5. 29
France ... ..	7 a.m. (Paris) ... ..	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick ... ..	6. 28	12. 1	5. 34
Spain ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia ... ..	6. 49	12. 30	6. 10
Portugal ... ..	8 a.m. (Lisbon) ... ..	8.36 a.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.
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† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on

MONDAY 6<sup>TH</sup> OCTOBER.

1902

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.)		TEMP.		Sun- shine. Hours	Rainfall. Ins.
	At 92 <sup>nd</sup> and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)			At 92 <sup>nd</sup> Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)				Max.	Min.		
	Ins.						Ins.	Ins.	°	°										
SCANDINAVIA.	Haparanda ...	30.04	34	W	2	o	29.90	-12	37	36	+7	Z	0	bc	*	-	37	25	*	-
	Hernösand ...	30.20	45	Z	0	o	30.17	-07	42	39	+5	Z	0	b	*	-	50	28	*	-
	Stockholm ...	30.36	39	Z	0	b	30.27	-12	39	38	+3	WSW	2	b	*	-	45	30	*	-
	Wisby ...	30.36	40	Z	0	b	30.31	-10	41	39	-2	Z	0	b	*	-	48	30	*	-
	Karlstad ...	30.37	40	Z	0	b	30.29	-12	31	30	+2	SW	2	o	*	-	*	*	*	-
	Färder (K'ania Fjord) ...	30.36	44	S	1	b	30.25	-16	45	42	+2	Z	0	c	o	-	48	43	*	-
	Bodö ...	30.11	45	SW	7	†	29.97	-11	45	42	+1	SW	6	†	4	-	45	43	*	0.16
	Christiansund ...	30.34	46	W	2	o	30.18	-22	46	42	+8	WSW	4	o	3	-	46	37	*	-
	Skudesnaes ...	30.34	44	Z	0	b	30.21	-17	45	44	-1	ESE	2	b	o	-	54	39	*	*
	Sumburgh Head ...	30.27	47	SE	2	c	30.14	-14	46	44	-1	ESE	1	o	3	o,c	51	43	*	-
BRITISH ISLANDS.	Stornoway ...	30.21	52	ESE	2	o	30.07	-18	48	47	+3	SE	1	c	1	o	57	40	4.0	-
	Malin Head ...	30.12	51	E	4	bc	30.02	-18	49	48	-1	SSE	2	c	2	c,bc	54	45	*	-
	Blacksod Pt. ...	30.09	53	ENE	3	cm	29.98	-19	48	45	-3	E	2	bm	2	c,cm	55	45	*	-
	Valencia ...	30.03	50	ENE	2	om	29.90	-19	47	45	0	ESE	1	cm	3	o,om	53	41	0.6	-
	Roche's Point ...	30.01	49	NNE	1	ogp	29.89	-18	50	47	+3	NNE	3	c	2	o,ogp	50	45	*	0.08
	Parsonstown ...	30.05	50	NE	1	o	29.94	-18	46	45	+2	NNE	1	c	*	1.0	52	44	0.0	0.02
	Donaghadee ...	30.09	53	E	4	cg	29.99	-17	51	49	+1	E	4	cg	4	cg	53	49	*	-
	Liverpool Obsy. ...	30.03	48	E	4	om	29.92	-18	49	46	+2	ENE	2	o	?	om	54	47	*	-
	Holyhead ...	30.03	52	ENE	3	cm	29.93	-17	50	49	+1	E	3	odp	2	c,cm	53	48	*	0.01
	Pembroke (St. Ann's) ...	29.96	50	ENE	4	o	29.88	-13	49	47	+2	NE	4	og	3	o,g	51	35	0.0	-
GERMANY, &c.	Scilly (St. Mary's) ...	29.94	52	NNE	1	bc	29.84	-11	50	48	+1	NNE	1	o	1	bc,2	55	47	8.1	0.02
	Jersey (St. Aubins) ...	29.89	54	NNE	2	ogmd	29.82	-10	51	50	-2	WSW	3	cm	3	ogmd	55	50	0.0	0.03
	Portland Bill ...	29.94	48	NE	3	†	29.85	-11	47	46	0	ENE	3	c	2	†	51	45	*	0.13
	Dungeness ...	29.88	51	E	5	o	29.84	-02	48	48	-2	NNW	2	m	1	o	51	44	*	-
	Wick ...	30.23	47	SE	2	o	30.09	-21	49	48	+1	SE	1	o	1	-	57	46	*	-
	Nairn ...	30.21	50	E	1	o	30.10	-20	38	37	-7	SSW	1	c	1	-	52	31	*	-
	Aberdeen ...	30.23	50	E	2	o	30.10	-17	47	46	-2	E	2	bc	3	1.0	51	43	0.0	0.05
	Leith ...	30.18	51	E	3	c	30.04	-22	50	48	0	ENE	2	op	*	-	55	48	*	0.06
	North Shields ...	30.13	52	E	3	o	29.98	-18	51	48	+1	ENE	3	c	4	o,2,p	54	46	*	-
	Spurn Head ...	30.02	51	ENE	6	c	29.89	-18	51	49	-1	ENE	5	cp	4	-	54	49	*	0.04
FRANCE.	Yarmouth ...	29.95	52	ENE	6	cg	29.83	-18	50	49	+1	E	5	†	5	c,cg	52	48	*	0.14
	Loughborough ...	30.00	50	NE	4	o	29.89	-18	48	48	+1	NE	2	ogmr	*	og,md	52	47	*	0.01
	Oxford ...	29.94	47	NE	3	og	29.85	-16	48	46	+2	NNE	2	og	*	og	51	45	*	-
	London (Brixton) ...	29.93	49	E	2	o	29.83	-15	48	47	0	Z	0	ogm	*	og	53	47	0.0	-
	The Scaw (Skagen) ...	30.34	46	S	1	b	30.25	-13	46	43	+2	SE	2	b	0	-	50	43	*	-
	Fanö ...	30.23	41	E	4	b	30.09	-23	39	38	-2	E	4	c	*	-	54	39	*	-
	Cuxhaven ...	30.13	48	E	5	o	29.99	-25	41	39	0	E	5	o	*	-	52	41	*	-
	The Helder ...	29.96	49	ENE	5	o	29.84	-22	46	44	+3	ESE	2	o	2	-	50	43	*	-
	Brussels ...	*	*	*	*	*	29.85	-10	45	44	+5	SW	2	f	*	-	46	39	*	-
	Berlin ...	30.13	48	E	5	b	29.97	-29	38	37	-3	SE	3	†	*	-	54	37	*	0.04
SPAN. PEN.	Frankfurt ...	29.92	46	E	2	o	29.86	-15	46	44	+7	NE	2	o	*	-	48	39	*	-
	Munich ...	29.86	46	W	1	o	29.85	-10	45	45	+6	SW	2	†	*	-	46	39	*	0.24
	C. Gris Nez ...	29.90	45	E	3	o	29.84	-09	46	43	+5	S	3	o	2	-	?	?	*	-
	Brest ...	29.93	50	N	1	†	29.86	-07	?	47	?	N	1	†	†	-	61	45	*	0.87
	Lorient ...	29.91	55	NNW	3	c	29.86	-07	49	49	+3	E	3	c	2	-	63	46	*	-
	Rochefort ...	29.91	57	NNW	2	bc	29.88	+01	54	52	+3	WSW	2	o	*	-	59	50	*	0.04
	Biarritz ...	30.01	62	W	5	o	29.98	+05	54	52	-5	SSW	3	o	2	-	66	52	*	0.20
	Paris ...	29.88	49	NNE	3	o	29.88	00	48	47	+5	SW	2	o	*	-	55	40	*	-
	Belfort ...	29.84	47	ENE	3	m	29.84	-02	46	46	+0	Z	0	†	*	-	55	43	*	0.43
	Lyons ...	29.88	53	WSW	1	†	29.96	+11	52	51	+1	SW	1	bc	*	-	56	48	*	0.35
SPAN. PEN.	Nice ...	29.88	54	Z	0	c	29.82	-06	50	49	-3	E	2	b	3	-	59	48	*	0.79
	Perpignan ...	29.91	59	W	2	b	29.96	+14	53	52	-6	W	2	c	*	-	66	49	*	-
SPAN. PEN.	Corunna ...																			
	Lisbon ...	30.13	63	WSW	2	b	30.03	-09	65	62	+4	SSW	4	bc	*	-	66	61	*	-
SPAN. PEN.	Azores (P. Delgada) ...																			

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, 6<sup>th</sup> OCTOBER, 1902.

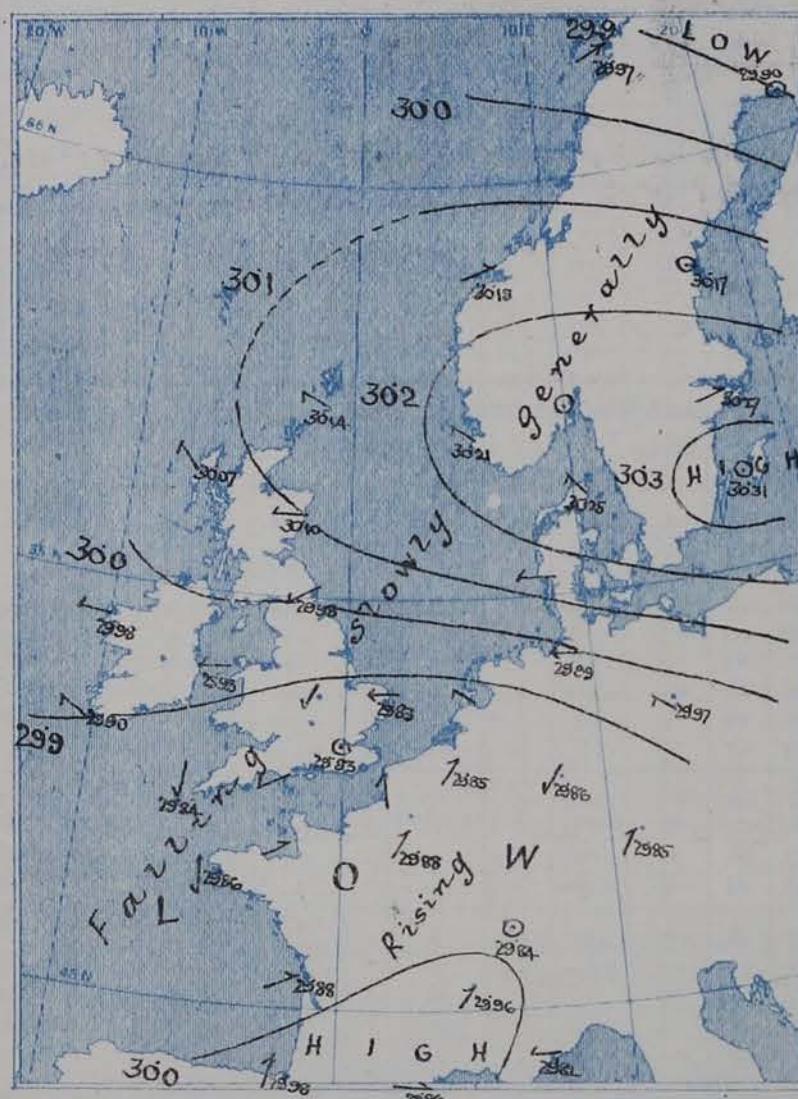
## I. BAROMETER, WIND AND SEA. This Morning.

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

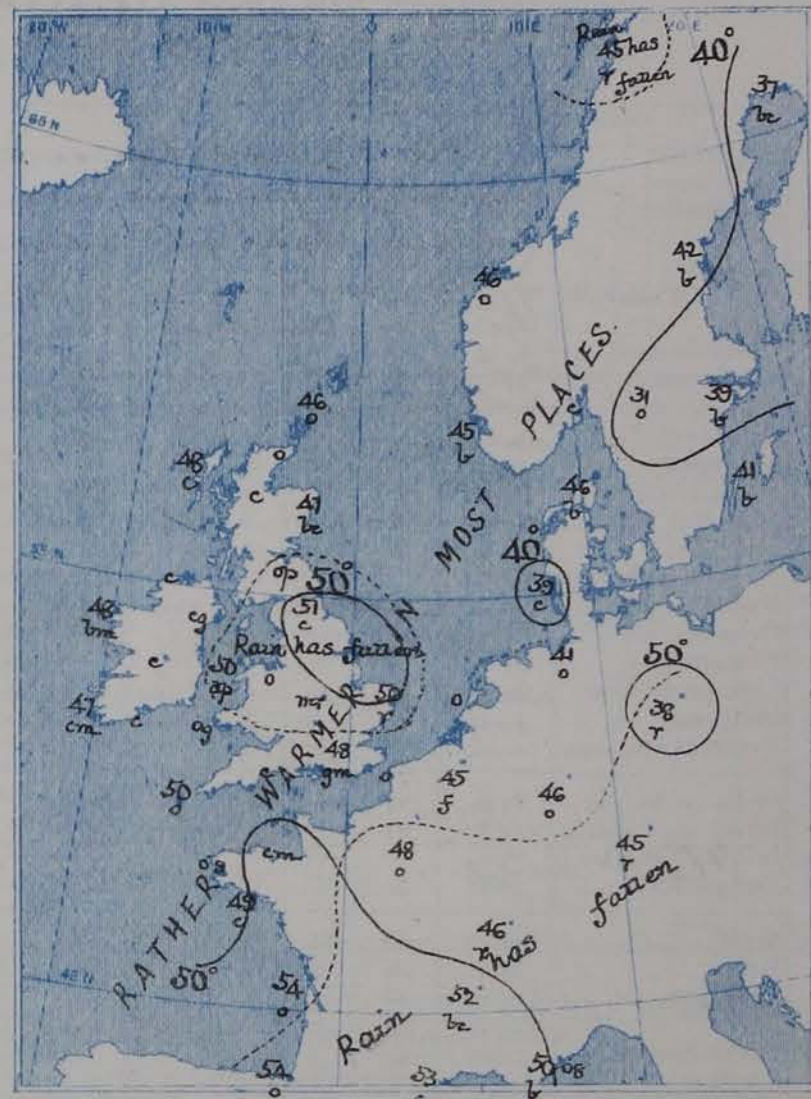


## II. TEMPERATURE AND WEATHER. This Morning.

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 OCTOBER.

Specimen (for Stornaway) { Average No of } 2.8  
Hours daily }  
{ Total Possible } 10.1



## V. Means of DAILY TEMPERATURE

at 8 A. M. for the Two monthly period  
SEPTEMBER-OCTOBER (1871-1900.)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Barometric pressure has now given way decidedly at all but the French stations, at some of which it has increased very slightly. The highest values, however, are still reported from the northern parts of our area, the readings ranging from 30.31 ins. at Winby to 29.82 ins. at Jersey.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The E<sup>th</sup> wind has decreased greatly in strength, but is still the prevailing current over the North Sea, Ireland and England. In France there are variable light breezes mainly from S.W., while in the north-west of Norway the S.W.<sup>th</sup> wind is much more decided. Temperature has risen a little over France, but in our Islands it has not changed materially. The present reading range from 50° at Scilly and Roche's Point and 49° at Wick, to 38° (locally) at Nairn; the English and Irish values are all below the average - those on the Scotch coasts are normal. The weather is fine in the north and extreme north-west, very dull over England and France, with some rain in several places. The sea is still rather rough over the German Ocean, slight or smooth elsewhere.

Yesterday the highest temperature at our own stations was 57° at Wick and Stornoway; a little rain fell in many places, and, except at Scilly and Stornoway, there was little sunshine, or none.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The E<sup>th</sup> wind is giving way at length, but no decided current from the W<sup>d</sup>. is indicated at present. Variable airs and damp gloomy weather are probable.

## FORECASTS \*

For the 24 hours ending at NOON on 7<sup>th</sup> October, 1902

### DISTRICTS.

### FORECASTS.

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

E<sup>th</sup> and S.E.<sup>th</sup> winds, light, fair, milder.

The prevailing E<sup>th</sup> wind likely to become very light and variable; weather unsettled, some rain.

### 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.

Same as Nos. 2 to 5.

### 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.	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 ... ..	*	*	*	*	*	*	*	*	*	0	*	0	51	47	0.2	0.07
Newton Reigny (Penrith) ...	30.10	46	ENE 3	bc	29.95	46	44		NE 2	0	*	c, ogd	53	45	1.3	-
Bath ... ..	29.93	50	E 1	b	29.84 -15	46	42	0	NE 1	0	*	-	57	45	6.0	-

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.	STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	52	44	c	1.0	0.10	Worthing ... ..	*	*	*	0.0	*
Birmingham, 9 p.m. ...	51	43	b	0.0	-	Llandudno ... ..	*	*	*	0.3	*
Lowestoft, up to 6 p.m. ...						Rhyl up to 6 p.m. ...	*	*	*	1.0	*
Hastings ... ..	*	*	*	0.5	*	Southport, 9 p.m. ...	55	45	07.0	1.5	0.02
Eastbourne up to 6 p.m. ...	*	*	*	0.1	*	Manchester, 9 p.m. ...					
Brighton ... ..	*	*	*	0.0	*	Darwen, 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.
	Max.	Min.				at 1 p.m.	°		
5. X. 02					4 X. 02				
Marseilles ... ..	not	yet	received.	Ins.	Geneva ... ..	48		0	-
Utrecht ... ..					Berne ... ..	50		0	-
Copenhagen ... ..					Lucerne ... ..	54		0	-
Prague ... ..					Lausanne ... ..	50		0	-
Vienna ... ..					Lugano ... ..	59		0	-
Buda-Pesth ... ..					Locarno ... ..	57		0	-
St. Petersburg ... ..									
Rome ... ..									
Malta ... ..									
Madeira (Funchal) ... ..									

## 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.

	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 ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon)	8.36 a.m.		

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

6 X. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6.4	11.41	5.18
Greenwich ... ..	6.10	11.48	5.26
Wick ... ..	6.30	12.0	5.31
Valencia ... ..	6.51	12.29	6.7

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

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† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on

TUESDAY 7<sup>TH</sup> OCTOBER.

1902

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- shinc. Hours	Rainfall. Ins.				
	At 92° and M.S.L.		Dry Bulb.	Dirac	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.																							
SCANDINAVIA.	Haparanda ...	29.83	39	W	2	o	29.63	-27	38	36	+1	WSW	2	c	*	-	48	34	*	-				
	Hernösand ...	30.04	36	Z	0	b	29.97	-20	36	33	-6	Z	0	b	*	-	54	36	*	-				
	Stockholm ...	30.13	38	Z	0	b	30.02	-25	37	37	-2	Z	0	f	*	-	50	32	*	-				
	Wisby ...	30.14	38	Z	0	b	29.95	-36	43	39	+2	Z	0	b	*	-	48	36	*	-				
	Karlstad ...	30.10	36	Z	0	bc	30.00	-29	33	33	+2	NE	2	f	*	-	*	*	*	-				
	Færder (X'ania Fjord) ...	30.08	43	Z	0	b	29.99	-26	39	38	-6	NNE	5	c	2	-	48	37	*	-				
	Bodö ...																							
	Christiansund ...																							
BRITISH ISLANDS.	Skudesnaes ...																							
	Sumburgh Head ...	30.06	47	NE	1	o	29.98	-16	44	42	-2	N	1	bc	3	c, o	50	43	*	-				
	Stornoway ...	30.01	50	ESE	2	c	30.00	-07	46	44	-2	E	3	c	3	bc, c	57	44	4.0	-				
	Malin Head ...	29.95	52	ESE	4	c	29.90	-12	49	47	0	ESE	4	c	3	bc, c	54	47	*	-				
	Blacksod Pt. ...	29.90	54	ESE	2	om	29.87	-11	49	46	+1	ENE	3	cm	3	om, cm	54	45	*	-				
	Valencia ...	29.86	54	E	1	om	29.81	-09	49	47	+2	ENE	1	ogm	3	cm, om	59	41	4.1	-				
	Roche's Point ...	29.86	52	NNE	2	c	29.82	-07	48	46	-2	NE	1	o	1	o, c, f	57	46	*	0.12				
	Parsonstown ...	29.89	51	NE	1	o	29.84	-10	46	45	0	NE	1	o	*	ou, o	54	45	0.1	-				
	Donaghadee ...	29.93	51	NE	3	c	29.90	-09	49	47	-2	NE	3	og	3	-	53	48	*	-				
	Liverpool Obsy. ...	29.88	49	ENE	2	om	29.86	-06	47	45	-2	ENE	1	o	3	om	52	45	*	-				
	Holyhead ...	29.87	50	E	2	c	29.85	-08	49	48	-1	ENE	2	o	1	o	53	48	*	-				
	Pembroke (St. Ann's) ...	29.85	53	NE	2	c	29.79	-09	49	48	0	ENE	2	ogmw	2	-	55	47	0.1	-				
	Scilly (St. Mary's) ...	29.82	53	NNE	1	o	29.78	-06	50	47	0	SSE	1	o	0	o	56	47	0.8	-				
	Jersey (St. Aubins) ...	29.82	56	WSW	2	bc	29.83	+01	49	47	-2	NW	2	bcm	2	bc, mw	62	43	8.1	-				
	Portland Bill ...	29.84	53	NW	2	o	29.84	-01	50	47	+3	N	1	c	1	b, o	57	43	*	-				
	Dungeness ...	29.83	52	NW	1	bc	29.83	-01	41	41	-7	N	2	f	*	c, bc, f	54	35	*	-				
GERMANY, &c.	Wick ...	30.03	48	E	2	o	30.00	-09	45	44	-4	E	2	c	1	-	52	42	*	0.12				
	Nairn ...	30.01	49	ESE	2	c	29.98	-12	43	43	+5	Z	0	+	0	-	55	36	*	0.05				
	Aberdeen ...	30.01	46	E	1	cp	29.97	-13	44	43	-3	N	2	cp	3	bc, cp	55	42	6.7	0.03				
	Leith ...	29.97	50	NE	2	o	29.93	-11	48	45	-2	NNE	2	cp	*	-	53	46	*	0.03				
	North Shields ...	29.92	50	ENE	3	o	29.88	-10	48	46	-3	NNE	2	op	3	o	53	46	*	0.03				
	Spurn Head ...	29.81	51	NE	4	o	29.81	-08	49	49	-2	NNE	4	o	3	at	54	49	*	0.20				
	Yarmouth ...	29.76	51	ENE	4	cdp	29.77	-06	50	49	0	NW	3	cm	4	o, o, d, p	52	48	*	0.09				
	Loughborough ...	29.85	49	NE	3	o	29.85	-04	47	47	-1	NNW	1	om	*	ogm, p	50	47	*	0.05				
	Oxford ...	29.84	49	NE	1	o	29.84	-01	48	47	0	NE	1	ogdp	*	-	50	47	*	-				
	London (Brixton) ...	29.83	49	W	1	ogm	29.82	-01	48	47	0	W	1	om	*	ogm	50	43	0.0	-				
FRANCE.	The Scaw (Skagen) ...	30.03	48	SE	3	b	29.91	-24	45	43	-1	SE	3	c	1	-	50	43	*	-				
	Fanö ...	29.92	43	ENE	2	o	29.82	-27	42	41	+3	NE	2	o	*	-	50	39	*	-				
	Cuxhaven ...	29.88	41	EGE	4	o	29.78	-21	42	41	+1	NE	2	+	*	-	43	39	*	0.12				
	The Helder ...	29.80	46	SE	1	o	29.75	-09	46	46	0	E	1	o	0	-	48	46	*	-				
	Brussels ...	*	*	*	*	*	29.83	-02	47	46	+2	SW	3	o	*	-	50	42	*	-				
	Berlin ...	29.82	41	SE	2	+	29.76	-21	41	40	+3	WSW	2	o	*	-	46	38	*	0.35				
	Frankfurt ...	29.85	50	SW	2	c.	29.85	-01	48	46	+2	SW	2	c	*	-	52	46	*	-				
	Munich ...	29.91	47	SW	2	o	29.91	+06	46	46	+1	SW	2	o	*	-	50	45	*	0.08				
	C. Gris Nez ...	29.89	53	WSW	2	bc	29.84	00	50	48	+4	NW	1	b	2	-	54	46	*	-				
	Brest ...	29.84	54	N	1	b	29.84	-02	50	49	?	E	1	b	1	-	59	46	*	-				
SPAN. PEN.	Lorient ...	29.84	55	N	1	bc	29.84	-02	48	47	-1	E	3	b	2	-	63	46	*	-				
	Rochefort ...	29.83	56	SW	3	c	29.86	-02	51	50	-3	ESE	3	b	*	-	64	48	*	-				
	Biarritz ...	29.92	56	SSW	2	c	29.89	-09	51	49	-3	E	3	b	2	c, b	63	48	*	-				
	Paris ...	29.87	51	S	3	c	29.87	-01	39	39	-9	S	1	f	*	-	60	37	*	-				
	Belfort ...	29.87	46	Z	0	f	29.84	00	42	42	-4	ENE	2	f	*	-	52	36	*	0.04				
	Lyons ...	29.87	52	E	1	c	29.89	-07	47	44	-5	NW	1	b	*	-	62	44	*	0.04				
SPAN. PEN.	Nice ...	29.85	58	NE	1	b	29.84	+02	49	?	-1	NE	1	o	1	-	66	48	*	0.39				
	Perpignan ...	29.80	56	E	2	bc	29.89	-07	53	51	0	Z	0	o	*	-	66	48	*	-				
SPAN. PEN.	Corunna ...																							
	Lisbon ...	29.85	66	SSW	5	o	29.78	-25	65	64	0	SW	4	f	*	-	70	64	*	0.83				
	Azores (P. Delgada) ...	30.02	69	NNW	5	+	30.05	+02	64	58	-4	NNE	4	be	3	-	73	63	*	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 TUESDAY 7<sup>th</sup> OCTOBER, 1902.

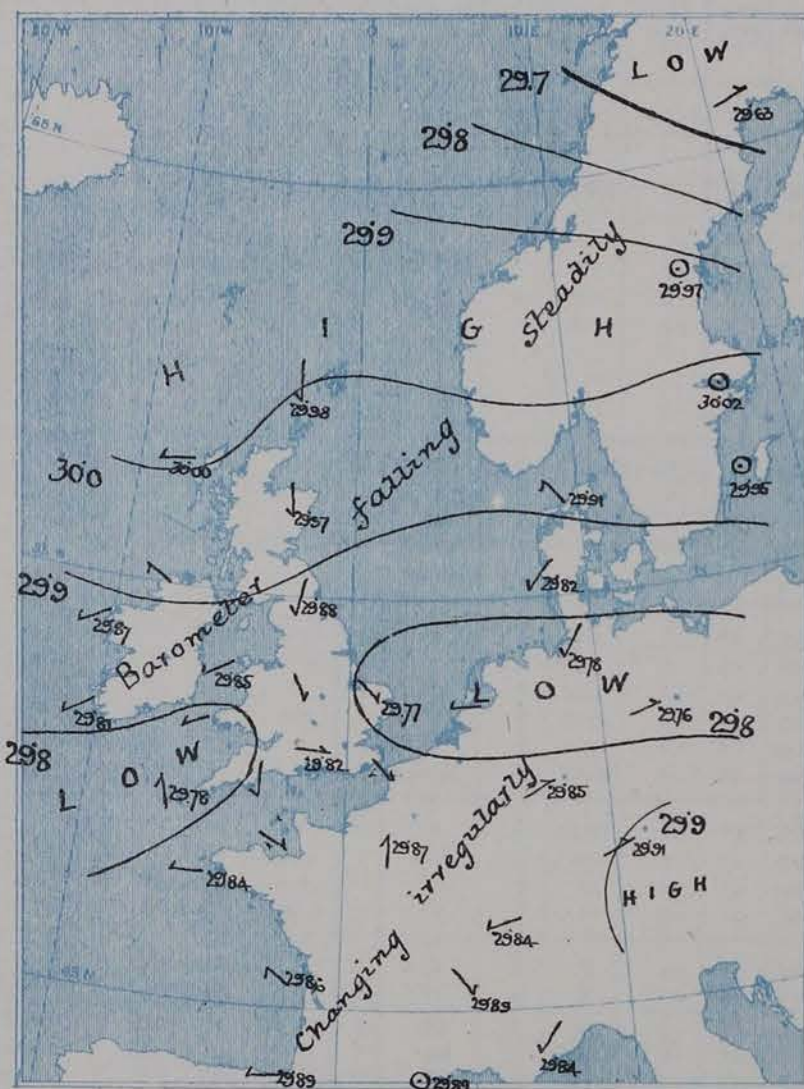
## I. BAROMETER, WIND AND SEA. *This Morning.*

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 OCTOBER.

Specimen { Average N<sup>o</sup> of } 2.8  
(for Stornaway) { Hours daily }  
{ Total Possible } 10.1



## V. Means of DAILY TEMPERATURE

at 8 A. M. for the Two monthly period

SEPTEMBER-OCTOBER (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

A further decrease of pressure has taken place over the northern half of our area, while in the south the change has been very irregular, and slight. Readings now vary from 30.0 in. over the north of Scotland, to 29.63 in. at Haparanda on the one hand, to 29.76 in. at Berlin and 29.78 in. at Scilly on the other. In South Germany it appears to be rising a little.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

E<sup>3</sup> winds are still prevalent in Ireland, Scotland and some parts of Scandinavia, but are very light in force; over Germany, France and England there are light and very variable airs. Temperature has not changed decidedly in any region. In the British Islands it varies from 50° at Scilly and Portland to 44° at Newton Reigny, 43° at Nairn and is somewhat below the average at all stations. At Berlin it is 41°, at Paris 39° and at Perpignan 53°. The weather is gloomy except in the west and south of France; at many stations fog or haze is reported and at others, rain. The sea is moderate at Spurn Head, slight or smooth elsewhere.

During yesterday the maximum temperatures recorded at our own stations ranged from 57° to 50°, except at Jersey where it was 62°; that at Berlin was 46°, at Paris 60 and at Nice 66°. There was a little rain in the north-eastern parts of Great Britain and in some parts of Germany and France. Bright sunshine ranged from 8 hr. at Jersey to 6 hr. or 5 hr. at several of our southern coast stations; elsewhere there was little or none.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no decided change in progress at present, and no material alteration of our weather is indicated.

## FORECASTS \*

For the 24 hours ending at NOON on 8<sup>th</sup> October, 1902

### DISTRICTS.

### FORECASTS.

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

E<sup>3</sup> breezes, light and variable; cloudy, occasional rain.

Very variable airs; dull, misty or foggy, occasional rain.

### 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.

Same as Nos. 3 to 5.

Same as Nos. 0 to 2.

### 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	*	o	52	47	0 0	0.02
Newton Reigny (Penrith)	29.89	45	NNE 1	o	29.87	-0.8	44	43	-2	NNE 2	og	*	ogd	53	43	0 5	0.03
Bath ... ..	29.83	49	N 1	o	29.84	0.0	48	47	+2	N 1	f	*	-	52	45	0-0	-

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	50	45	c	0.2	0.03	Worthing ... ..	*	*	*	6.3	*
Birmingham, 9 p.m. ...	49	47	o	0.0	0.01	Llandudno ... ..	*	*	*	0.0	*
Lowestoft, up to 6 p.m. ...	52	47	o, d	0.0	0.35	Rhyl up to 6 p.m. ...	*	*	*	0.0	*
Hastings ... ..	*	*	*	2.3	*	Southport, 9 p.m. ...	53	47	od	0.0	-
Eastbourne up to 6 p.m. ...	*	*	*	6.4	*	Manchester, 9 p.m. ...	56	49	o	0.0	-
Brighton ... ..	*	*	*	5.5	*	Darwen, 9 p.m. ...	49	44	omus	0.2	-

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. (measured at 7 a.m.)
	Max.	Min.				at 1 p.m.	at 1 p.m.		
6. X. 02					5. X. 02				
Marseilles ... ..	68	46	o o	0.28	Geneva ... ..	Information not yet recd			
Utrecht ... ..	48	36	r o	-	Berne ... ..				
Copenhagen ... ..	50	43	c o	-	Lucerne ... ..				
Prague ... ..	48	41	o r	0.16	Lausanne ... ..				
Vienna ... ..	48	45	o m	0.20	Lugano ... ..				
Buda-Pesth ... ..	52	48	o r	0.83	Locarno ... ..				
St. Petersburg ... ..	43	32	o r	-					
Rome ... ..	73	60	o c	0.87					
Malta ... ..	87	73	c b	0.55					
Madeira (Funchal) <i>Note Recd</i>									

## 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.

	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 ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon) ...	8.35 a.m.		

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

7. X. 02	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6. 6	11. 11	5. 16
Greenwich ... ..	6. 12	11. 48	5. 24
Wick ... ..	6. 32	12. 0	5. 28
Valencia ... ..	6. 53	12. 29	6. 5

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.

† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on

WEDNESDAY 8<sup>TH</sup> OCTOBER.

1902

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.	Dirac.	Force (0 to 12.)		At 82° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)			Max.	Min.				
		Ins.					Ins.	Ins.	°	°											
SCANDINAVIA.	Haparanda ...	29.54	36	SW	4	b	29.70	+0.7	35	32	-3	N	4	bc	*	45	34	*	-		
	Hernösand ...	29.80	42	NW	2	b	29.87	-1.0	39	36	+3	N	2	b	*	52	32	*	-		
	Stockholm ...	29.92	37	Z	0	b	29.86	-1.6	36	36	-1	NNW	2	b	*	48	30	*	-		
	Wisby ...	29.86	43	Z	0	o	29.84	-1.1	44	41	+1	Z	0	b	*	48	34	*	-		
	Karlstad...	29.96	37	NE	2	b	29.95	-0.5	34	33	+1	NE	2	b	*	*	*	*	-		
	Færder (X'iania Fjord)	29.93	44	NNW	4	b	29.95	-0.4	43	39	+4	NE	4	b	2	44	37	*	-		
	Bodö ...	29.88	39	NW	6	c	29.97	+1.6	39	35	-4	N	3	bc	2	43	37	*	0.04		
	Christiansund ...	30.02	44	ENE	2	o	30.04	-0.1	41	41	-1	ENE	1	t	2	46	39	*	0.04		
	Skudesnaes ...	29.97	44	Z	0	o	29.98	+0.3	40	40	+1	Z	0	b	1	c, o	50	39	*	*	
BRITISH ISLANDS.	Sumburgh Head	29.98	45	NE	4	c	29.96	-0.2	47	44	+3	NE	3	o	5	o, c	50	43	*	-	
	Stornoway ...	30.00	48	ENE	3	ad	29.96	-0.4	44	44	-2	NE	2	p	2	b, od	57	41	3.4	0.19	
	Malin Head ...	29.92	50	E	4	o	29.92	+0.2	48	46	-1	S	2	bm	2	o	50	45	*	-	
	Blacksod Pt. ...	29.87	51	E	3	om	29.90	+0.3	50	47	+1	E	4	om	4	c, om	53	48	*	-	
	Valencia...	29.81	54	Z	0	om	29.82	+0.1	50	48	+1	Z	0	ogm	3	c, om	59	48	3.8	-	
	Roche's Point ...	29.83	51	SSE	3	c	29.83	+0.1	50	48	+2	ENE	3	c	2	c, t	56	47	*	-	
	Parsonstown ...	29.86	51	E	1	o	29.87	+0.3	47	46	+1	NNE	2	om	*	o	54	46	0.0	-	
	Donaghadee ...	29.92	52	E	2	c	29.94	+0.4	48	46	-1	E	3	b	3	-	52	46	*	-	
GERMANY, &c.	Liverpool Obsy.	29.89	49	ENE	1	om	29.93	+0.7	46	44	-1	E	1	o	?	om	50	45	*	0.03	
	Holyhead ...	29.86	50	ENE	3	f	29.89	+0.4	48	47	-1	E	2	om	1	o, f	53	47	*	-	
	Pembroke (St. Ann's)	29.81	52	E	3	o	29.84	+0.5	51	49	+2	E	5	cg	3	c, tgm	56	49	0.4	0.28	
	Scilly (St. Mary's)...	29.78	53	SSE	4	or	29.75	-0.3	54	51	+4	ESE	4	o	2	o, or	57	47	5.7	-	
	Jersey (St. Aubins)...	29.83	56	NE	1	b	29.81	-0.2	53	50	+4	ENE	3	cmw	3	c, b	60	47	5.8	-	
	Portland Bill ...	29.85	53	SE	1	c	29.86	+0.2	50	49	0	ENE	3	cur	2	c	57	46	*	-	
	Dungeness ...	29.86	54	WNW	2	o	29.92	+0.9	46	46	+5	NNE	2	bc	1	c, o, m	57	37	*	-	
	Wick ...	29.97	47	SE	3	o	29.91	-0.9	45	44	0	E	1	c	2	-	50	40	*	0.60	
FRANCE.	Nairn ...	29.97	45	SSE	1	c	29.95	-0.3	43	43	0	SW	1	cp	1	-	52	41	*	0.30	
	Aberdeen ...	29.94	46	N	2	bc	29.95	-0.2	45	43	+1	NNW	1	c	2	p, c, bc	52	39	4.0	0.04	
	Leith ...	29.93	50	NNE	1	bc	29.96	+0.3	45	43	-3	Z	0	bm	*	-	53	42	*	-	
	North Shields ...	29.91	49	NE	2	c	29.96	+0.8	42	40	-6	W	2	bcm	1	c, t	51	36	*	0.01	
	Spurn Head ...	29.84	51	N	4	c	29.93	+1.2	48	47	-1	E	1	cp	2	-	53	46	*	0.12	
	Yarmouth ...	29.80	52	N	2	cv	29.88	+1.1	51	49	+1	NNW	1	bc	3	c, cv	53	48	*	-	
	Loughborough ...	29.87	49	NE	2	o	29.94	+0.9	43	43	-4	N	1	cmw	*	omdp, c	50	42	*	0.02	
	Oxford ...	29.87	49	N	2	o	29.92	+0.8	46	45	-2	NE	1	bc	*	o	53	43	*	-	
SPAN. PEN.	London (Brixton)	29.84	53	NW	1	o	29.91	+0.9	44	43	-4	Z	0	f	*	og, b	56	41	0.0	*	
	The Scaw (Skagen)	29.89	46	E	2	b	29.92	+0.1	46	44	+1	NE	1	b	0	-	48	45	*	-	
	Fanö ...	29.85	43	N	1	o	29.92	+1.0	44	43	+2	N	1	o	0	-	48	42	*	-	
	Cuxhaven ...	29.79	45	NW	1	o	29.89	+1.1	46	44	+4	N	1	o	0	-	46	42	*	0.08	
	The Helder ...	29.79	46	SE	1	o	29.88	+1.3	47	46	+1	S	1	c	0	-	48	45	*	-	
	Brussels...	*	*	*	*	*	29.93	+1.0	43	43	-4	SE	2	f	*	-	59	37	*	0.04	
	Berlin ...	29.79	49	Z	0	t	29.87	+1.1	43	42	+2	WSW	1	b	*	-	50	39	*	0.04	
	Frankfurt ...	29.88	49	SW	2	b	29.96	+1.1	40	40	-8	WSW	1	f	*	-	61	39	*	-	
SPAN. PEN.	Munich ...	29.93	45	Z	0	o	30.00	+0.9	42	42	-4	SSE	1	b	*	-	50	39	*	0.04	
	C. Gris Nez ...	29.86	53	W	2	c	29.90	+0.6	48	47	-2	Z	0	b	0	-	57	43	*	-	
	Brest ...	29.79	57	SE	3	o	29.73	-1.1	52	49	+2	E	3	c	2	-	63	50	*	-	
	Lorient ...	29.79	54	SE	3	c	29.71	-1.3	53	53	+5	E	4	o	2	-	64	48	*	-	
	Rochefort ...	29.80	57	ESE	3	c	29.71	+1.5	54	53	+3	ESE	3	c	*	c	68	50	*	-	
	Biarritz ...	29.77	60	E	1	t	29.73	-1.6	66	62	+15	SSW	1	c	0	-	66	51	*	0.12	
	Paris ...	29.88	50	Z	0	bc	29.89	+0.2	44	40	+5	ENE	1	o	*	-	60	37	*	-	
	Belfort ...	29.92	50	W	2	o	29.92	+0.8	38	38	-4	ENE	4	m	*	-	57	36	*	-	
SPAN. PEN.	Lyons ...	29.93	50	NW	1	b	29.93	+0.4	43	41	-4	SE	1	o	*	-	61	42	*	-	
	Nice ...	29.81	56	Z	0	b	29.94	+1.0	53	45	+4	E	4	c	4	-	64	49	*	-	
	Perpignan ...	29.85	58	SE	2	o	29.82	-0.7	57	56	+4	SW	2	o	*	-	68	53	*	-	
	Corunna ...																				
SPAN. PEN.	Lisbon ...																				
	Azores (P. Delgada)	30.11	64	N	5	bc	30.06	+0.1	63	55	-1	N	5	b	3	-	68	61	*	-	

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 8<sup>TH</sup> OCTOBER, 1902.

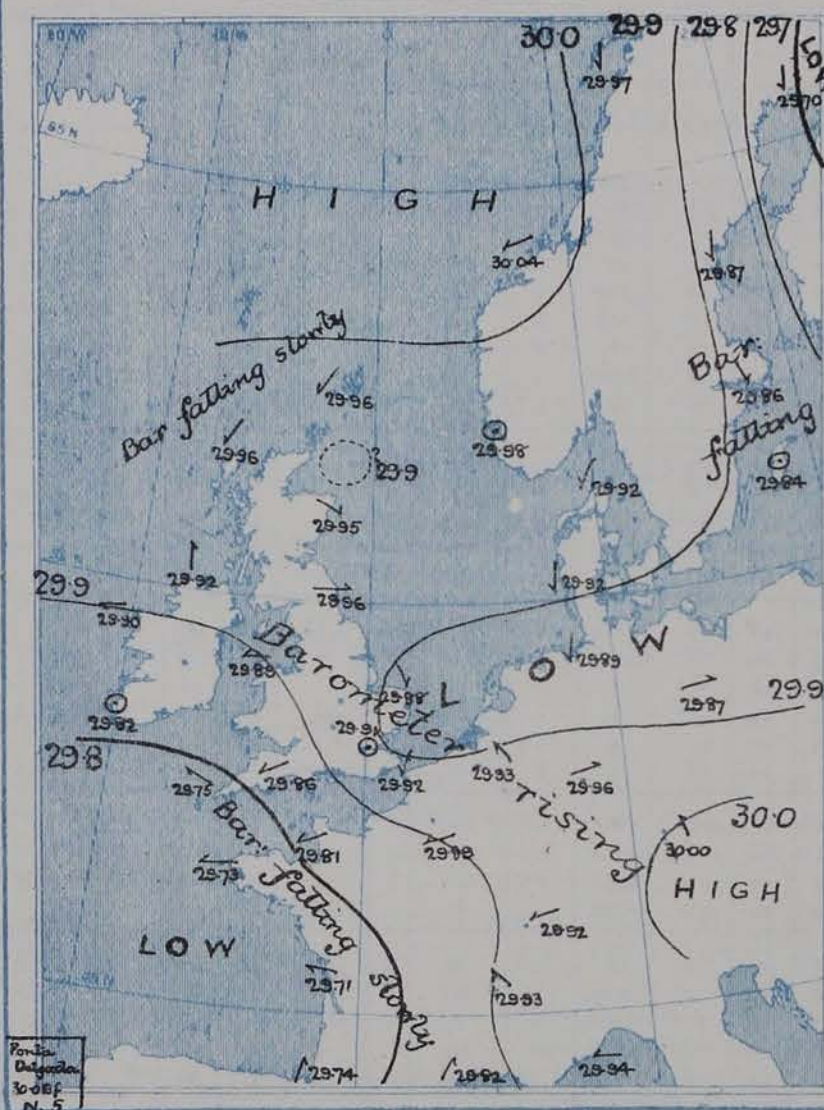
## I. BAROMETER, WIND AND SEA. *This Morning.*

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

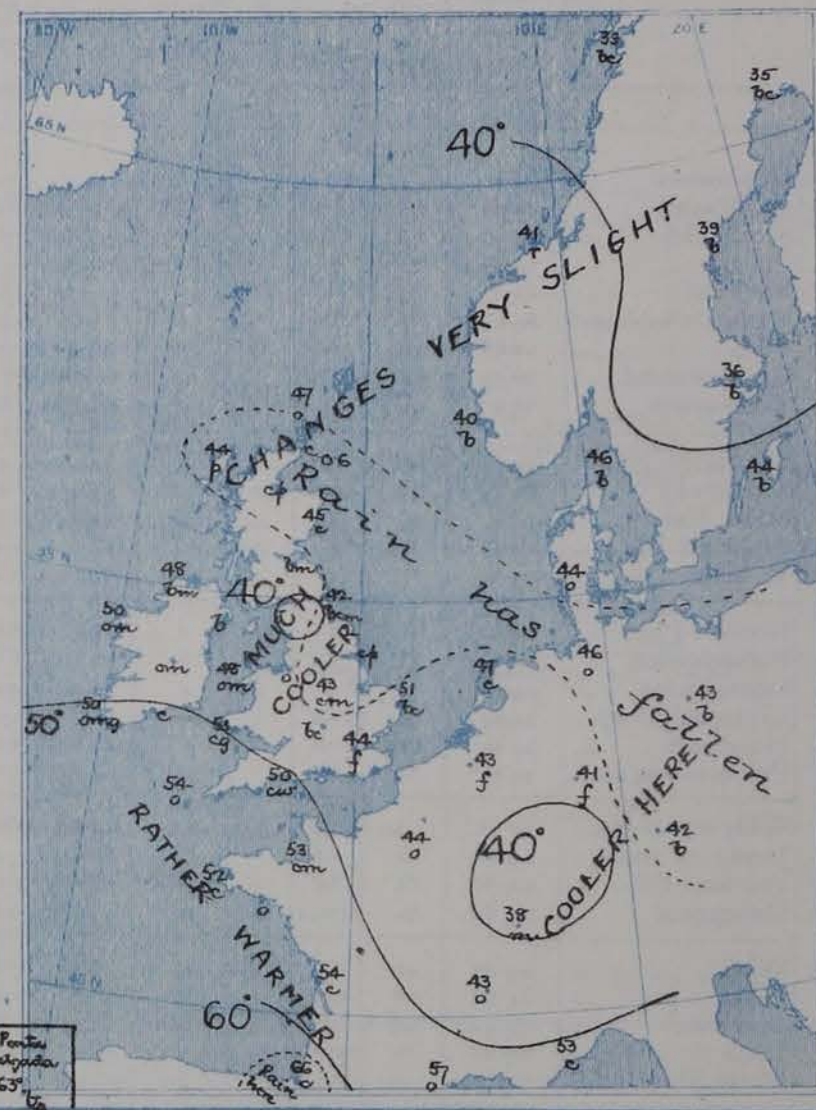


## II. TEMPERATURE AND WEATHER. *This Morning.*

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



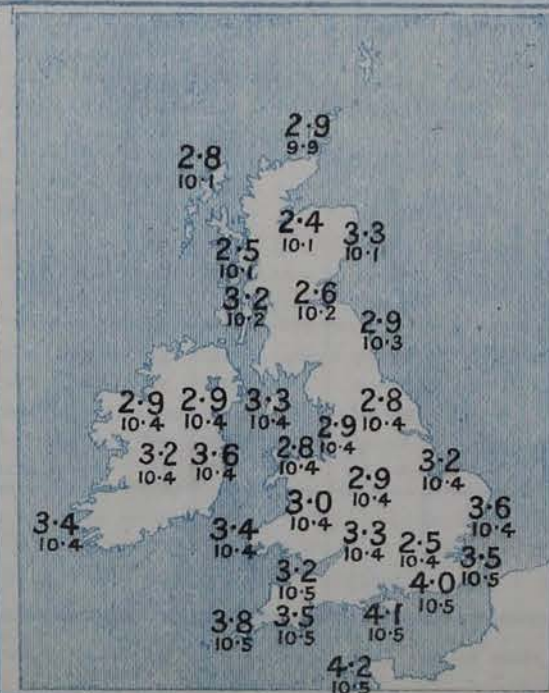
## III. BAROMETER AND WIND

*Yesterday morning.*



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

Specimen { Average N° of } 2.8  
(for Stornaway) { Hours daily }  
{ Total Possible } 10.1



## V. Means of DAILY TEMPERATURE

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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

During the past night the barometer has been falling steadily both over the Bay of Biscay and the Baltic, but has risen a little over Germany and England, and also in Lapland. The readings now range from 30.04 in. at Christianund and 29.96 in. at Leith to 29.84 in. at Wisby and 29.71 in. at Lorient and Rochefort.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The E<sup>3</sup> wind has been renewed over France, the Channel and our own south-west coasts, but is only moderate to light in force; over the northern parts of the Kingdom calms and variable airs prevail, while in Sweden there is a moderate breeze from N. Temperature has decreased at several English stations and in some parts of Germany, but the changes have not been at all uniform. The present values in our Islands vary from 54° at Scilly and 47° at Dumburgh Head to 30° at Newton Reigny and 43° both at Naism and Loughborough. They are all lower than the average, especially at Newton Reigny, where thick hoar frost prevails. The weather is finer generally than of late, but fog or haze prevails at several stations, while Naism, Stornoway and Christianund report rain. The sea is very little disturbed except in the north. Yesterday the maximum temperatures in our Islands touched 60° at Jersey only, but 59° was registered at Valencia, 68° at Rochefort. Considerable rain fell in the extreme north-east of Scotland and a little at several other northern and eastern stations. Bright sunshine was greatest (5 to 6 hours) on our south coast.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The E<sup>3</sup> wind is likely to freshen a little and extend all over England, but not to blow strongly at present. A little rain may fall in the east and temperature decrease somewhat.

## FORECASTS \*

For the 24 hours ending at NOON on 9<sup>th</sup> October, 1902

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	Variable airs, fair as a whole, but haze or fog in places.	6 { SCOTLAND WEST	Same as Nos. 0 and 1.
1 { SCOTLAND EAST		7 { ENGLAND N.W.	
2 { ENGLAND N.E.	E <sup>3</sup> winds, light to moderate; fair.	8 { ENGLAND S.W.	E <sup>3</sup> winds, light or moderate; fine.
3 { ENGLAND EAST		9 { IRELAND NORTH	
4 { MIDLAND COUNTIES		10 { IRELAND SOUTH	
5 { ENGLAND SOUTH		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 ... ..	*	*	*	*	*	*	*	*	*	*	*	6	*	o.c	54	47	0.0	—
Newton Reigny (Penrith)	29.89	45	NE 2	0	29.95	+0.8	30	29.	-14	20	bc	*	o.c, b	49	25	0.0	—	
Bath ... ..	29.85	51	W 1	0	29.89	+0.5	48	47	0	W 1	0	*	—	55	45	0.0	—	

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	49	45	c	0.0	0.11	Worthing ... ..	*	*	*	3.8	*
Birmingham, 9 p.m. ...	51	45	o	0.0	—	Llandudno ... ..	*	*	*	0.0	*
Lowestoft, up to 6 p.m. ...	53	47	o	0.0	0.02	Rhyl up to 6 p.m. ...	*	*	*	0.0	*
Hastings ... ..	*	*	*	1.8	*	Southport, 9 p.m. ...	50	45	o	0.0	—
Eastbourne up to 6 p.m. ...	*	*	*	4.2	*	Manchester, 9 p.m. ...	55	47	o, r	0.0	—
Brighton ... ..	*	*	*	5.9	*	Darwen, 9 p.m. ...	48	43	o, m, w	0.0	—

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

STATIONS. 7. X. 02	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 6. X. 02	TEMPERATURE, F. at 1 p.m.		WEATHER. 1 p.m.	RAIN. (measured at 7 a.m.)
	Max.	Min.				°	°		
Marseilles ... ..	66	52	o	0.0	Geneva ... ..	59	59	o	0.16
Utrecht ... ..	54	45	m	m	Berne ... ..	52	52	o	0.44
Copenhagen ... ..	48	43	b	o	Lucerne ... ..	55	55	o	0.04
Prague ... ..	52	45	o	o	Lausanne ... ..	54	54	o	0.20
Vienna ... ..	55	?	o	m	Lugano ... ..	59	59	o	0.75
Buda-Pesth ... ..	55	36	o	m	Locarno ... ..	59	59	o	0.51
St. Petersburg ... ..	46	39	o	c					
Rome ... ..	71	61	o	o					
Malta ... ..	77	73	?	o					
Madeira (Funchal) Not rec.									

## 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.

	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 ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon)	8.36 a.m.		

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

8. Oct. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6.8	11.41	5.14
Greenwich ... ..	6.14	11.48	5.22
Wick ... ..	6.35	12.0	5.25
Valencia ... ..	6.55	12.29	6.3

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.

† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on

THURSDAY 9<sup>TH</sup> OCTOBER

1902

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.		
				Dirac.	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.				
																				At 32° and M.S.L.	Dry Bulb.
		Ins.					Ins.	Ins.	°	°											
SCANDINAVIA.	Haparanda ...	30.03	29	NW	2	b	30.13	+4.3	32	32	-3	SW	2	S	*	-	37	28	*	-	
	Hernösand ...	30.09	30	Z	0	b	30.18	+3.1	27	26	-12	Z	0	b	*	-	45	27	*	-	
	Stockholm ...	30.05	36	Z	0	b	30.22	+3.6	34	33	-2	N	2	b	*	-	48	32	*	-	
	Wisby ...	30.00	43	SW	2	b	30.18	+3.4	41	38	-3	Z	0	c	*	-	48	39	*	-	
	Karlstad ...	30.07	38	NE	2	o	30.21	+2.6	38	36	+4	NE	2	b	*	-	*	*	*	-	
	Færder (X'ania Fjord)	30.02	47	NNE	1	b	30.15	+2.0	44	42	+2	SE	2	b	1	-	47	41	*	-	
	Bodö ...	30.05	36	N	2	c	30.09	+1.2	34	32	-5	E	2	o	1	-	39	32	*	-	
	Christiansund ...	30.08	43	E	1	o	30.10	+0.6	37	36	-4	ENE	1	b	2	-	45	34	*	-	
	Skudesnaes ...	30.03	43	Z	0	b	30.10	+1.2	?	44	?	SE	4	c	2	b	52	39	*	*	
BRITISH ISLANDS.	Sumburgh Head ...	30.02	46	NE	3	o	29.99	+0.3	47	44	0	SSE	1	c	3	o	49	42	*	0.05	
	Stornoway ...	29.92	46	SSW	1	bc	29.92	-0.4	41	41	-3	WSW	2	op	2	b, bc	53	37	3.7	0.21	
	Malin Head ...	29.92	48	E	1	b	29.89	-0.3	48	48	0	SE	2	om	1	b	53	45	*	-	
	Blacksod Pt. ...	29.86	53	ENE	3	c	29.84	-0.6	51	48	+1	ENE	4	cm	3	c	56	48	*	-	
	Valencia ...	29.80	55	ESE	2	o	29.73	-0.9	51	48	+1	ENE	4	c	3	c, o	58	49	0.1	-	
	Roche's Point ...	29.81	52	E	3	cp	29.72	-1.1	51	50	+1	ENE	3	og	2	o, cp	58	49	*	0.02	
	Parsonstown ...	29.86	49	E	1	og	29.82	-0.5	42	41	-5	NE	1	c	*	og	53	40	0.0	-	
	Donaghadee ...	29.92	51	ESE	3	bc	29.89	-0.5	50	48	+2	ESE	4	cg	3	-	54	48	*	-	
	Liverpool Obsy. ...	29.93	49	ESE	2	om	29.86	-0.7	48	46	+2	ESE	3	m	?	f, om	53	45	*	-	
GERMANY, &c.	Holyhead ...	29.88	51	E	1	c	29.84	-0.5	48	47	0	E	4	m	3	o, c	53	45	*	-	
	Pembroke (St. Ann's)	29.81	54	ESE	5	bc	29.69	-1.5	51	49	0	ENE	5	ogmp	4	-	56	48	7.0	-	
	Scilly (St. Mary's)...	29.68	55	E	6	o	29.54	-2.1	54	52	0	ENE	5	f	4	c, o	60	52	0.1	0.07	
	Jersey (St. Aubins)...	29.74	59	E	5	o	29.52	-2.9	56	54	+3	E	5	om	4	bc, o, g	61	52	3.7	0.23	
	Portland Bill ...	29.82	55	E	5	bc	29.61	-2.5	54	52	+4	E	6	o	4	c, bc	57	49	*	0.01	
	Dungeness ...	29.89	55	E	4	bc	29.79	-1.3	54	52	+8	ESE	5	c	2	b, bc	59	45	*	-	
	Wick ...	29.97	46	S	2	c	29.99	+0.8	45	44	0	S	1	bc	1	-	54	42	*	0.03	
	Nairn ...	29.95	47	E	1	c	29.97	+0.2	41	40	-2	Z	0	c	0	-	54	37	*	-	
	Aberdeen ...	29.99	47	SSE	2	c	29.99	+0.4	38	38	-7	W	2	bc	1	bc, c, f	51	35	1.5	0.11	
FRANCE.	Leith ...	29.97	47	E	1	b	29.96	0.0	45	44	0	SE	1	o	*	-	53	43	*	-	
	North Shields ...	29.94	49	E	2	c	29.94	-0.2	47	46	+5	Z	0	f	3	bc, c, p, f	54	39	*	-	
	Spurn Head ...	29.93	53	NE	3	bc	29.91	-0.2	53	50	+5	ESE	4	o	2	-	56	48	*	-	
	Yarmouth ...	29.91	54	E	3	cv	29.89	+0.1	53	51	+2	E	5	c	5	bc, p	55	49	*	-	
	Loughborough ...	29.94	49	ENE	1	b	29.87	-0.7	45	44	+2	ENE	2	ofw	*	c, bc, b, f	55	38	*	-	
	Oxford ...	29.90	46	NE	1	b	29.78	-1.4	50	49	+4	NE	3	od	*	b	56	41	*	-	
	London (Brixton)	29.91	51	NE	2	bcm	29.78	-1.3	53	51	+9	E	3	o	*	c, b, m	61	41	2.2	-	
	The Scaw (Skagen)	30.03	45	Z	0	b	30.12	+2.0	46	44	0	SE	2	bc	0	-	48	41	*	-	
	Fanö ...	30.04	41	ENE	1	b	30.10	+1.8	40	40	-4	E	2	o	*	-	52	37	*	-	
SPAN. PEN.	Cuxhaven ...	30.00	48	N	1	o	30.08	+1.9	47	45	+1	SE	2	o	*	-	50	46	*	-	
	The Helder ...	29.95	50	ESE	1	b	29.95	+0.7	48	44	+1	ESE	1	bc	0	-	57	46	*	-	
	Brussels ...	*	*	*	*	*	29.85	-0.8	45	43	+2	ENE	2	o	*	-	61	42	*	-	
	Berlin ...	29.98	47	WSW	1	f	30.10	+2.3	48	47	+5	SE	1	o	*	-	48	43	*	0.08	
	Frankfurt ...	30.00	46	E	1	b	29.99	+0.3	41	40	+1	NE	1	b	*	-	61	39	*	-	
	Munich ...	30.04	46	Z	0	b	30.02	+0.2	39	39	-3	SE	3	bc	*	-	57	36	*	-	
	C. Gris Nez ...	29.89	52	ENE	3	b	29.80	-1.0	45	43	-3	E	4	o	0	-	59	43	*	-	
	Brest ...	29.66	58	SE	3	o	29.38	-3.5	56	56	+4	NE	4	o	3	-	63	52	*	0.28	
	Lorient ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
SPAN. PEN.	Rochefort ...	29.69	64	NE	1	o	29.51	-2.0	64	63	+10	SSE	4	c	*	c, o	73	50	*	0.04	
	Biarritz ...	29.67	66	E	3	c	29.50	-2.3	74	63	+8	ESE	2	o	2	-	74	63	*	0.04	
	Paris ...	29.85	53	E	3	b	29.73	-1.6	50	48	+6	ENE	2	o	*	-	62	44	*	-	
	Belfort ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Lyons ...	29.89	55	SE	1	o	29.80	-1.3	61	53	+18	SE	1	o	*	-	62	43	*	-	
	Nice ...	?	60	NE	1	o	29.97	+0.3	57	57	+4	ENE	1	c	2	-	63	48	*	0.28	
	Perpignan ...	29.80	60	Z	0	o	29.76	-0.6	65	65	+8	SE	2	o	*	-	65	54	*	-	
	Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Lisbon ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Azores (P. Delgada)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		

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, 9<sup>th</sup> October, 1902.*

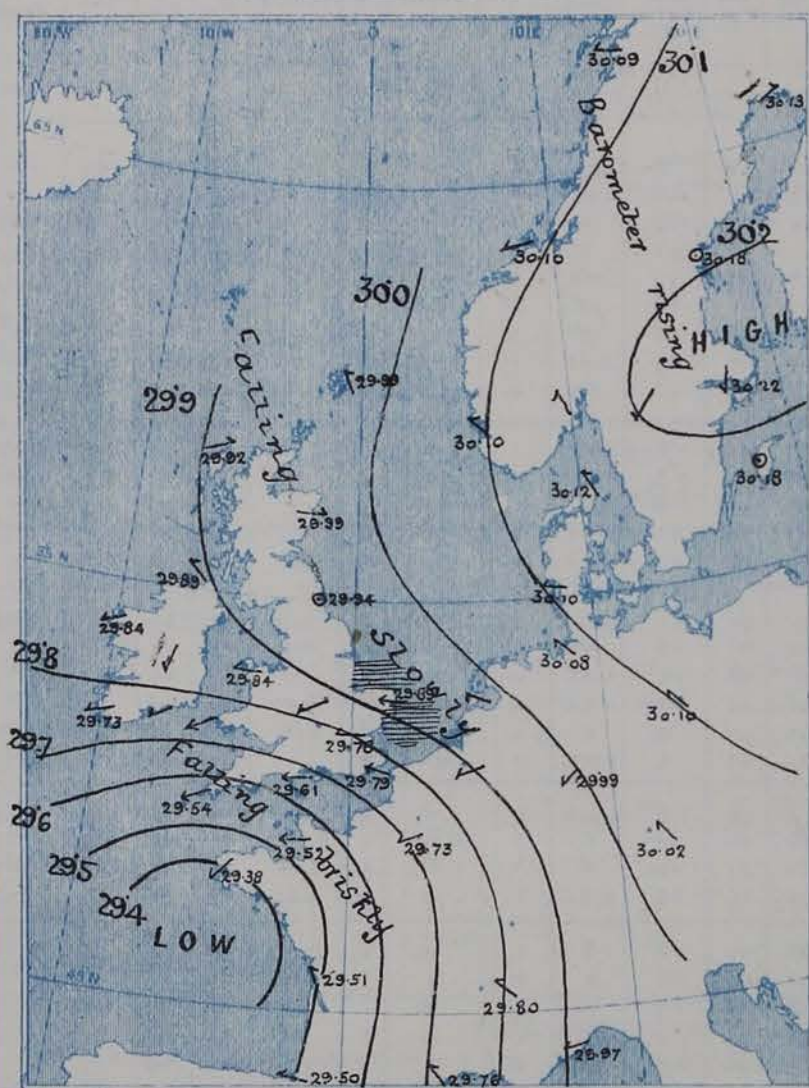
## I. BAROMETER, WIND AND SEA. *This Morning.*

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

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

Force above 10  $\rightarrow$  : Force 5 to 7  $\rightarrow$  : } Calm  $\odot$   
Force 8 to 10  $\rightarrow$  : Force 1 to 4  $\rightarrow$  :

SEA.—Rough  High 

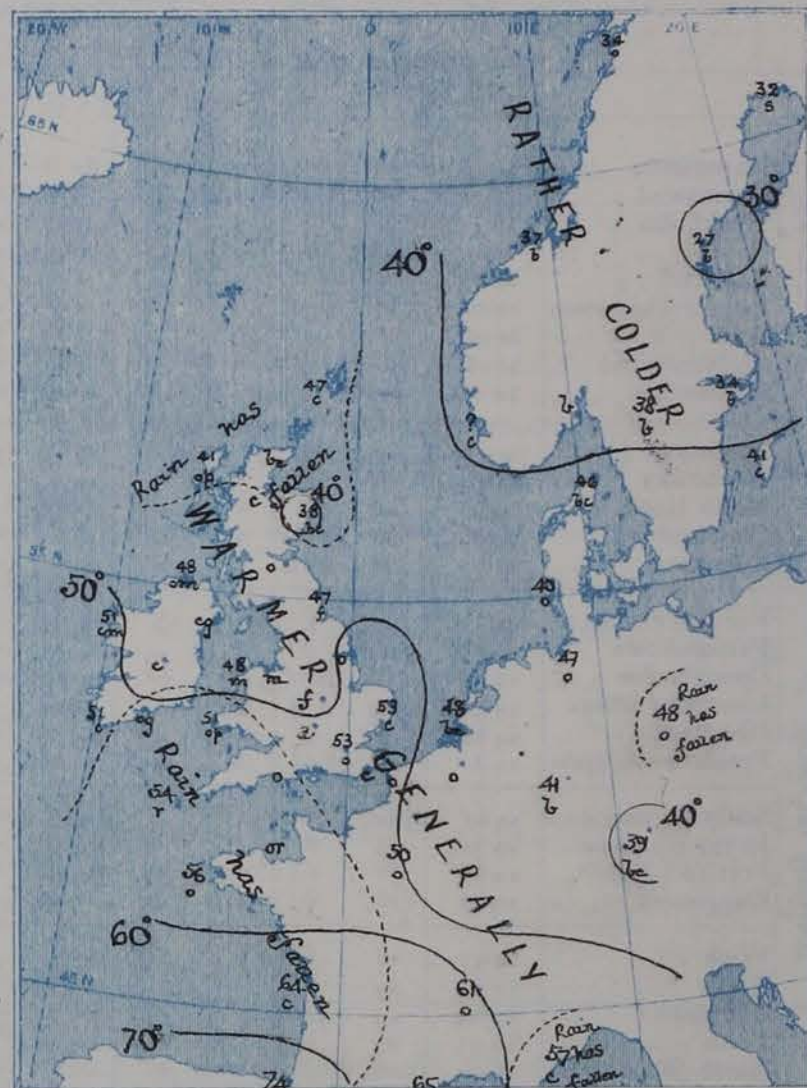


## II. TEMPERATURE AND WEATHER. *This Morning.*

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



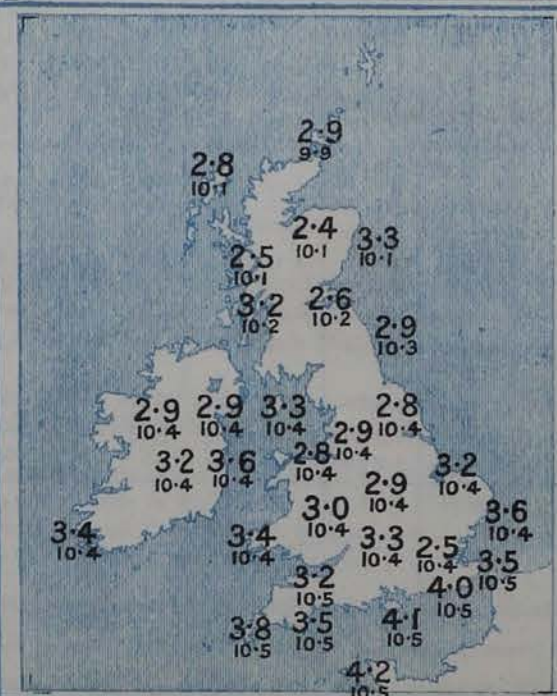
## III. BAROMETER AND WIND

*Yesterday, morning.*



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

Specimen { Average N° of Hours daily } 2.8  
(for Stornaway) { Total Possible } 10.1



## V. Means of DAILY TEMPERATURE

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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Since yesterday there has been a further rise of the barometer over Lapland, Norway, the north-east of Scotland and the North Sea, but a fall elsewhere, especially over Brittany. A depression is approaching Brest from the westward. Barometrical readings range from 30.22 in. at Stockholm to 29.38 in. at Brest.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind has freshened greatly from E. over the English Channel and at Yarmouth, but in Ireland and the north of England it is moderate to light in force, and over Scotland and the inland parts of the Continent it is light and variable. Temperature has risen over nearly the whole of Great Britain and in France, but has fallen in the north of Scandinavia and some parts of Scotland. At our own stations it varies from 54° along our south coast to 40° at Newton Reigny and 38° at Aberdeen. In the extreme south it is now slightly above the average, but in the north it is lower by several degrees. The weather is cloudy and somewhat rainy at our south-western stations and is unsettled in the south generally; in Scotland it is finer and is very bright at the Scandinavian stations. The sea is rising in the south and east, slight or smooth in the west and north. During yesterday a maximum temperature of 61° was recorded both in London and at Jersey, 63° at Brest, 74° at Biarritz. There was a little rain in the north and west and over France. Bright sunshine was again considerable on our south-western and southern coasts.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the depression in the south-west advances eastwards, strong E<sup>3</sup> winds will probably be felt in the Channel and a gale over our south-eastern counties. Rain is probable over England.

## FORECASTS \*

For the 24 hours ending at NOON on 10<sup>th</sup> October, 1902

DISTRICTS.		FORECASTS.	
0	{ SCOTLAND, NORTH	{ Variable and S.E <sup>3</sup> breezes, light, fair.	
1	{ SCOTLAND EAST		
2	{ ENGLAND N.E.	E <sup>3</sup> to N.E <sup>3</sup> winds, freshening; cloudy, rain in the southern regions.	
3	{ ENGLAND EAST	Same as No. 5.	
4	{ MIDLAND COUNTIES	Same as No. 2.	
5	{ ENGLAND SOUTH	E <sup>3</sup> to N.E <sup>3</sup> winds, strong to a gale; rainy, squally.	

DISTRICTS.		FORECASTS.	
6	{ SCOTLAND WEST	Same as Nos. 0 and 1.	
7	{ ENGLAND N.W.	E <sup>3</sup> winds, moderate; fair as a whole.	
8	{ ENGLAND S.W.	Same as No. 2.	
9	{ IRELAND NORTH	{ N.E <sup>3</sup> winds, moderate; some rain in the east.	
10	{ IRELAND SOUTH		
WARNINGS		At 10.50 a.m. to-day to parts of districts 3 and 5 "Hoist North 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. 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, b	58	48	7.5	-	
Newton Reigny (Penrith)	29.93	45	SE 1	0	29.90	-0.5	40	39	+10	20	m	*	bc, om	52	30	6.5	-	
Bath ... ..	29.88	52	W 1	0	29.72	-1.7	50	49	+2	NE 4	0	*	-	57	44	4.8	-	

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	50	38	c	0.5	0.05	Worthing ... ..	*	*	*	7.7	*
Birmingham, 9 p.m. ...	54	44	b	0.5	-	Llandudno ... ..	*	*	*	2.5	-
Lowestoft, up to 6 p.m. ...	55	47	c	1.0	0.01	Rhyl up to 6 p.m. ...	*	*	*	4.3	-
Hastings ... ..	*	*	*	6.9	*	Southport, 9 p.m. ...	55	39	om, c, 10	1.6	-
Eastbourne up to 6 p.m. ...	*	*	*	6.8	*	Manchester, 9 p.m. ...	58	40	b	1.3	-
Brighton ... ..	*	*	*	7.2	*	Darwen, 9 p.m. ...	51	38	b, m, w	2.3	-

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.				at 1 p.m.	at 1 p.m.		
9. X. 02	°	°		Ins.	7. X. 02	°	1 p.m.		Ins.
Marseilles ... ..	64	50	c	0	Geneva ... ..	52	0	0.08	
Utrecht ... ..	50	45	o	f	Berne ... ..	54	0	-	
Copenhagen ... ..	46	43	o	o	Lucerne ... ..	54	0	0.35	
Prague ... ..	55	43	o	c	Lausanne ... ..	50	0	-	
Vienna ... ..	57	46	r	c	Lugano ... ..	48	r	0.59	
Buda-Pesth ... ..	66	52	o	o	Locarno ... ..	52	r	1.34	
St. Petersburg ... ..	48	37	o	o					
Rome ... ..	69	63	o	o					
Malta ... ..	75	63	?	c					
Madeira (Funchal) <i>Not recd</i>									

## 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.

	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 ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.		

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

9. X. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	h. m. 6.9	h. m. 11.40	h. m. 5.11
Greenwich ... ..	6.15	11.47	5.19
Wick ... ..	6.37	11.59	5.22
Valencia ... ..	6.56	12.28	6.0

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.

† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on

FRIDAY 10<sup>TH</sup> OCTOBER.

1902

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.
SCANDINAVIA.	Haparanda ...	29.86	34	NW	4	b	29.80	-33	33	32	+1	Z	0	bc	*	-	37	27	*	-	
	Hernösund ...	30.05	28	Z	0	b	29.93	-25	27	26	0	Z	0	c	*	-	45	25	*	-	
	Stockholm ...	30.24	34	Z	0	b	30.09	-13	36	35	+2	SW	2	c	*	-	43	28	*	-	
	Wisby ...	30.21	35	N	4	b	30.12	-06	41	40	0	S	2	o	*	-	48	34	*	-	
	Karlstad ...	30.19	35	Z	0	b	30.03	-18	37	37	-1	E	2	o	*	-	*	*	*	-	
	Færder (X'ania Fjord) ...	30.12	46	S	1	b	29.96	-19	46	44	+2	SSE	4	o	3	-	46	44	*	-	
	Bodö ...	29.98	40	W	6	o	29.86	-23	40	37	+6	WSW	6	c	3	-	40	34	*	-	
	Christiansund ...	30.04	43	ESE	1	o	29.85	-25	42	38	+5	ESE	2	o	2	-	45	37	*	-	
	Skudesnaes ...	30.04	49	S	2	o	29.86	-24	47	45	?	SSE	6	r	4	-	52	45	*	-	
	Sumburgh Head ...	29.89	47	SE	2	o	29.72	-27	43	43	-4	Z	0	b	3	c, o	50	38	*	0.08	
BRITISH ISLANDS.	Stornoway ...	29.86	46	Z	0	b	29.73	-19	42	42	+1	NW	2	c	2	c, b	55	37	4.5	0.11	
	Malin Head ...	29.82	50	SE	3	bc	29.66	-23	49	47	+1	ENE	4	b	3	o, bc	53	47	*	-	
	Blacksod Pt. ...	29.79	53	ENE	4	bc	29.69	-15	51	48	0	NE	3	bc	3	bc, bc	55	48	*	-	
	Valencia... ..	29.67	54	NE	4	c	29.58	-15	49	46	-2	NE	7	cm	5	c	57	49	3.7	-	
	Roche's Point ...	29.63	52	NNE	4	o	29.45	-27	49	48	-2	N	6	r	4	o	55	48	*	0.14	
	Parsonstown ...	29.72	49	NNE	3	c	29.57	-25	46	44	+4	N	4	otg	*	c	54	41	0.8	0.01	
	Donaghadee . ...	29.79	52	E	3	bc	29.61	-28	49	47	-1	E	6	ogq	6	-	54	47	*	-	
	Liverpool Obsy. ...	29.72	47	ENE	3	r	29.47	-39	48	47	0	ENE	1	c	?	f, o, r	51	46	*	0.77	
	Holyhead ...	29.70	50	E	4	omp	29.49	-35	49	49	+1	ENE	4	otm	3	o, omp	53	45	*	0.66	
	Pembroke (St. Ann's) ...	29.64	49	ENE	5	mr	29.35	-34	52	51	+1	NE	5	og	4	mr	52	48	0.0	0.62	
GERMANY, &c.	Scilly (St. Mary's)...	29.33	52	NE	7	r	29.18	-36	54	52	0	NE	4	m	5	r, l	54	51	0.0	1.08	
	Jersey (St. Aubins)...	29.43	62	ENE	3	ogp	29.38	-14	60	57	+4	SE	4	bc	3	o, p, r, t	64	55	0.0	0.03	
	Portland Bill ...	29.48	56	E	6	om	29.42	-19	58	56	+4	S	5	c	4	o, om	58	50	*	0.41	
	Dungeness ...	29.59	58	ESE	4	o	29.55	-24	60	59	+6	SSW	6	bc	3	c, o	61	52	*	0.04	
	Wick ...	29.79	45	S	2	bc	29.71	-28	31	31	-14	N	1	b	2	-	52	28	*	-	
	Nairn ...	29.85	44	E	1	b	29.74	-23	30	30	-11	W	1	b	1	-	51	27	*	-	
	Aberdeen ...	29.88	43	NNW	1	c	29.70	-24	40	40	+2	NW	3	cm	2	c	49	33	0.3	0.02	
	Leith ...	29.84	49	NE	1	o	29.64	-32	47	44	+2	NNE	3	o	*	-	52	44	*	-	
	North Shields ...	29.80	50	ENE	3	r	29.57	-37	50	49	+3	NE	3	r	3	o, r	52	45	*	0.29	
	Spurn Head ...	29.72	52	ENE	5	r	29.47	-44	53	53	0	NE	3	r	?	-	54	50	*	0.20	
FRANCE.	Yarmouth ...	29.67	54	ENE	6	cp	29.46	-43	58	56	+5	SW	3	c	4	r, cp	58	51	*	0.07	
	Loughborough ...	29.69	48	ENE	4	r	29.46	-41	51	51	+6	NE	1	ogm	*	om, gp	52	45	*	0.50	
	Oxford ...	29.57	51	NNE	2	o	29.45	-33	56	55	+6	S	2	o	*	op, o, r	56	49	*	0.38	
	London (Brixton) ...	29.59	54	E	5	o	29.49	-29	58	56	+5	SW	2	o	*	otg, b, op	58	51	0.0	0.27	
	The Scaw (Skagen) ...	30.11	46	S	3	c	29.95	-17	47	45	+1	SE	3	o	1	-	48	44	*	-	
	Fanö ...	29.98	47	ESE	6	o	29.77	-33	46	45	+6	ESE	6	o	*	-	50	40	*	-	
	Cuxhaven ...	29.97	49	ESE	4	o	29.71	-37	45	44	-2	SE	4	o	*	-	50	45	*	-	
	The Helder ...	*	*	*	*	*	29.65	-20	58	58	+13	SSW	4	o	*	-	62	45	*	-	
	Brussels... ..	*	*	*	*	*	29.89	-21	44	42	-4	SE	3	b	*	-	52	41	*	-	
	Berlin ...	30.07	48	SE	2	o	29.76	-23	51	49	+10	E	2	c	*	-	63	41	*	-	
SPAN. PEN.	Frankfurt ...	29.82	55	E	2	b	29.76	-23	51	49	+10	E	2	c	*	-	63	41	*	-	
	Munich ...	29.92	48	SE	2	bc	29.81	-21	42	42	+3	SE	2	b	*	-	61	39	*	-	
	C. Gris Nez ...	29.60	56	SE	5	o	29.52	-28	57	55	+12	S	5	o	4	-	57	?	*	-	
	Brest ...	29.31	61	ESE	3	o	29.30	-08	59	55	+3	SSW	6	o	7	-	63	56	*	0.12	
	Lorient ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Rochefort ...	29.50	62	WSW	6	bc	29.69	+18	55	54	-9	S	5	bc	*	o, bc	68	54	*	-	
	Biarritz ...	29.65	67	WSW	4	bc	29.69	+19	62	65	-12	SSE	4	b	3	-	77	59	*	-	
	Paris ...	29.54	64	E	3	o	29.70	-03	55	54	+5	S	3	o	*	-	70	50	*	0.04	
	Belfort ...	29.73	58	ENE	7	m	29.77	...	54	52	...	SE	7	o	*	-	67	53	*	-	
	Lyons ...	29.64	69	S	3	o	29.85	+05	52	52	-9	N	1	r	*	-	75	52	*	0.95	
Nice ...	29.93	66	SE	6	bc	29.80	-17	65	60	+8	ESE	7	o	6	-	72	57	*	-		
Perpignan ...	29.60	66	SE	4	c	29.73	-03	55	55	-10	SW	2	b	*	-	71	54	*	-		
SPAN. PEN.	Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Lisbon ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Azores (P. Delgada) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	

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, 10<sup>TH</sup> OCTOBER, 1902.*

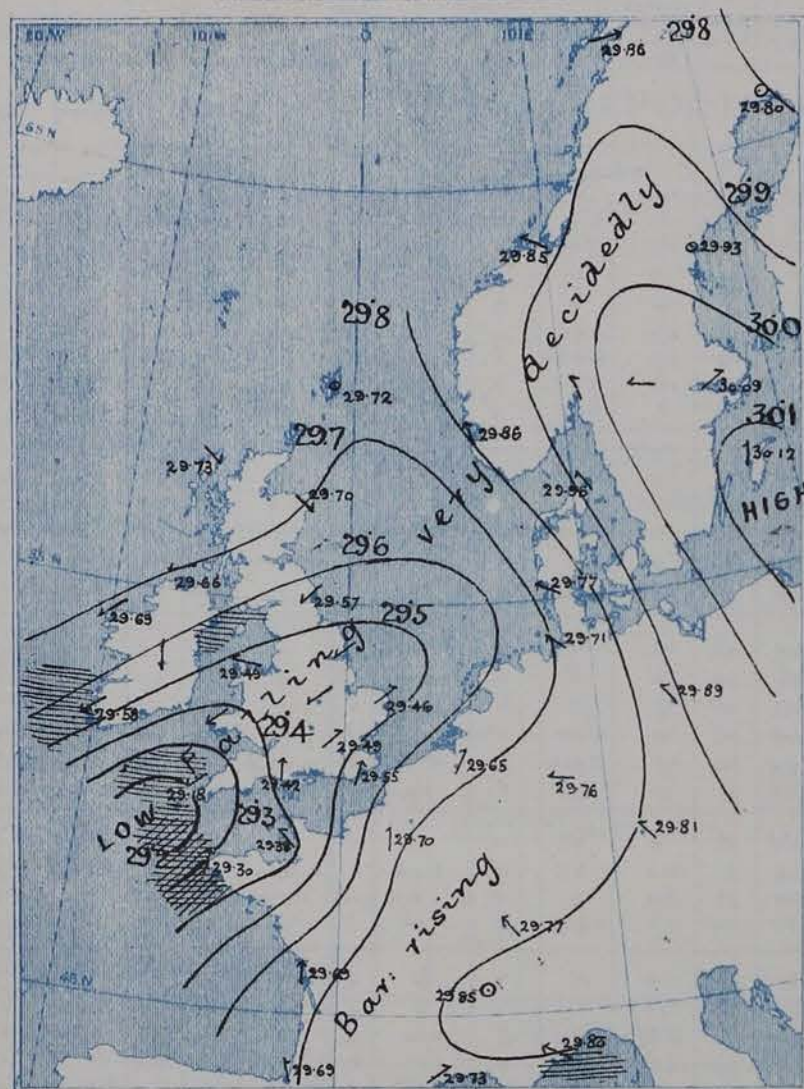
## I. BAROMETER, WIND AND SEA. *This Morning.*

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

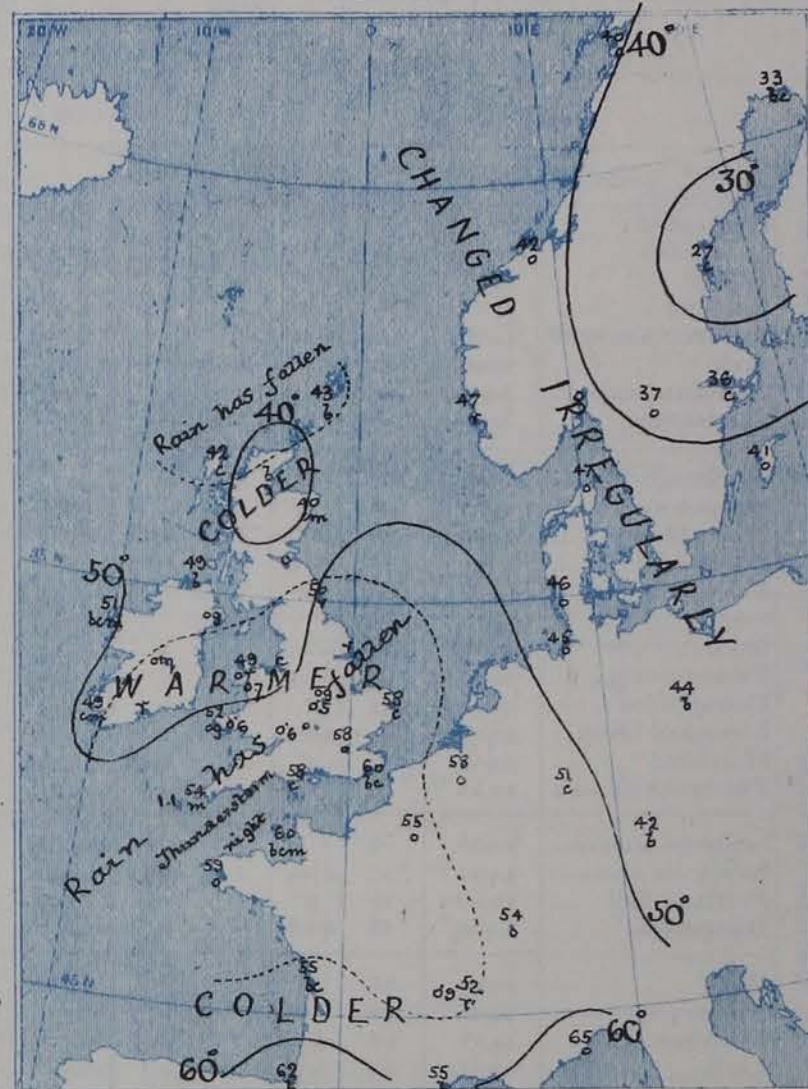


## II. TEMPERATURE AND WEATHER. *This Morning.*

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



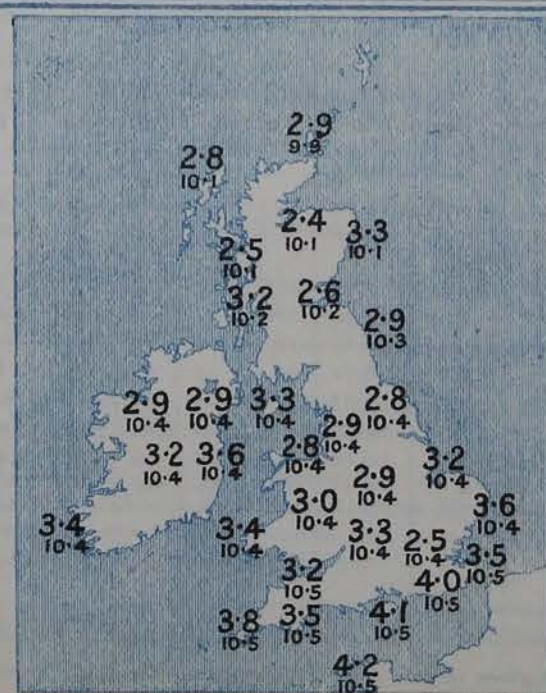
## III BAROMETER AND WIND

*Yesterday morning*



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

Specimen (Average No of Hours daily) 2.8  
(for Stornaway) (Total Possible) 10.1



## V. Means of DAILY TEMPERATURE

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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The barometer has again fallen over the whole of the British Islands and their neighbourhood, but the changes have not been very uniform; in the south-west of France it has risen. Several small depressions have appeared - one over Scilly, another over the Mark, and a third off Aberdeen. The distribution of pressure is very complex, the highest reading being 30.12 in. at Wisby, 29.75 in. at Stornoway and 29.8 in. in the south of France; the lowest are 29.18 in. at Scilly and 29.46 in. at Yarmouth.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is very variable both in force and direction - S.E.<sup>3</sup> over Germany and Denmark, S.<sup>2</sup> over France, S.W.<sup>3</sup> in the south-east of England, N.E.<sup>2</sup> over the remainder of England and in Ireland, variable (and very light) in Scotland. Temperature has risen, and in our Islands it ranges from 60° at Jersey and at Dungeness, to 30° at Raism. The southern counties are now warmer than the average, but in Scotland the temperature is very low for the time of year. The weather is at present fine both over France and Scotland, but in England and Ireland it has become very dull and rainy. The sea is rough at Donaghadee, Valencia and Scilly, high at Brest, and moderate in the Channel and on our east coast.

The maximum temperatures in the past 24 hr. have been 64° at Jersey and 61° at Dungeness, but at Aberdeen only 49°. Biarritz recorded 77° and Nice 72°. A large amount of rain has fallen at several of the English stations - 1.1 in. at Scilly and 1.4 in. at Ross (Herefordshire), and smaller quantities in some parts of Scotland, Ireland and the west of France; thunder and lightning occurred in the western part of the Channel. Bright sunshine was considerable at Stornoway and Valencia, but very slight elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Very unsettled weather is probable, with a good deal of rain, variable winds and unsteady temperature.

## FORECASTS \*

For the 24 hours ending at NOON on 11<sup>th</sup> October, 1902

### DISTRICTS.

### FORECASTS.

0 { SCOTLAND,  
NORTH

1 { SCOTLAND  
EAST

2 { ENGLAND  
N.E.

3 { ENGLAND  
EAST

4 { MIDLAND  
COUNTIES

5 { ENGLAND  
SOUTH

Very variable winds, light;  
weather changeable, some rain.

Very variable winds, both in force  
and direction; unsettled rainy.

### 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.

N.E.<sup>3</sup> winds, strong; rainy, squally.

### WARNINGS

The North Cone is still flying  
in parts of districts 3 and 5.

*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 ... ..	*	*	*	*	*	*	*	*	*	*	bc	*	o	59	54	0.0	0.10
Newton Reigny (Penrith)	29.76	46	E 2	o	29.52	-38	46	46	+6	NE 1	ot	*	ogr	50	39	0.0	0.14
Bath ... ..	29.56	51	E 2	o	29.42	-30	57	56	+7	SW 1	o	*	-	58	50	0.0	0.63

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	50	37	ot	0.0	0.25	Worthing ... ..	*	*	*	0.0	*
Birmingham, 9 p.m. ...	50	43	o	0.0	0.30	Llandudno ... ..	*	*	*	0.0	*
Lowestoft, up to 6 p.m. ...	55	52	ot	0.0	0.02	Rhyl up to 6 p.m. ...	*	*	*	0.0	*
Hastings ... ..	*	*	*	0.0	*	Southport, 9 p.m. ...	51	43	ot	0.0	0.31
Eastbourne up to 6 p.m. ...	*	*	*	0.0	*	Manchester, 9 p.m. ...	*	*	*	*	*
Brighton ... ..	*	*	*	0.2	*	Darwen, 9 p.m. ...	49	42	r	0.0	0.35

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. (measured at 7 a.m.)
	Max. °	Min. °				at 1 p.m. °			
9. X. 02					8. X. 02			1 p.m.	
Marseilles ... ..	68	63	o o	Ins.	Geneva ... ..	52		o	Ins.
Utrecht... ..	54	39	bc o	—	Berne ... ..	50		o	0.55
Copenhagen... ..	46	35	b m	—	Lucerne ... ..	50		o	0.04
Prague ... ..	59	45	o o	—	Lausanne ... ..	52		o	0.04
Vitna ... ..	61	41	b b	—	Lugano ... ..	59		o	—
Buda-Pesth ... ..	59	45	bc o	—	Locarno ... ..	59		bc	0.75
St. Petersburg ... ..	45	30	o o	—					0.59
Rome ... ..	74	60	bc o	—					
Malta ... ..	79	73	? bc	—					
Madeira (Funchal) <i>not recd.</i>									

## 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.

	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 ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon)	8.36 a.m.		

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

1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6.11	11.40	5.9
Greenwich ... ..	6.17	11.47	5.17
Wick ... ..	6.39	11.59	5.19
Valencia ... ..	6.58	12.28	5.58

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.

† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on

SATURDAY 11<sup>TH</sup> OCTOBER

1902

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.	Dirac.	Force (0 to 12.)	Weather.	At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)	Weather.	Max.			Min.	Sun- shine Hours	Rainfall Ins.			
																					Ins.	Ins.	°
SCANDINAVIA.	Haparanda ...	29.71	30	Z	0	0	29.60	-20	33	33	0	?	2	0	*	-	39	23	*	-			
	Hernösand ...	29.72	32	Z	0	0	29.54	-39	36	35	+9	Z	0	+	*	-	39	25	*	0.12			
	Stockholm ...	29.89	43	Z	0	0	29.54	-55	42	41	+6	NNW	2	0	*	-	46	32	*	0.32			
	Wisby ...	29.84	45	S	4	bc	29.56	-56	49	48	+8	Z	0	+	*	-	49	32	*	0.12			
	Karlstad ...	29.74	42	SE	2	+	29.58	-45	38	37	+1	NE	2	0	*	+	*	*	0.47				
	Færder (X'ania Fjord) ...	29.70	42	ENE	4	+	29.61	-35	41	40	-5	NNE	5	0	2	-	46	39	*	1.10			
	Bodö ...	29.68	37	Z	0	c	29.58	-28	36	35	-4	E	2	2	2	-	43	34	*	-			
	Christiansund ...	29.65	45	WSW	1	0	29.69	-16	43	41	+1	WNW	1	0	2	-	46	41	*	0.08			
	Skudesnaes ...	29.65	48	ENE	2	0	29.63	-23	46	42	-1	N	6	2	2	0	50	41	*	*			
	Sumburgh Head ...	29.65	44	Z	0	b	29.71	-01	42	40	-1	N	1	2	4	b	52	39	*	-			
BRITISH ISLANDS.	Stornoway ...	29.69	47	ENE	1	0	29.71	-02	44	43	+2	W	1	0	1	0	54	41	2.1	-			
	Malin Head ...	29.64	49	NE	4	b	29.74	+08	48	47	-1	SW	1	0	2	b	52	47	*	-			
	Blacksod Pt. ...	29.67	51	N	3	b	29.78	+09	52	48	+1	WSW	1	0	1	bc, b	54	40	*	-			
	Valencia ...	29.63	53	NNE	6	b	29.83	+25	43	42	-6	Z	0	2	3	bc, b	65	41	8.1	-			
	Roche's Point ...	29.53	50	N	5	0	29.78	+33	46	44	-3	NNW	4	2	2	1.0	51	44	*	0.12			
	Parsonstown ...	29.59	50	NNE	3	0	29.81	+24	34	33	-12	NE	1	2	*	0	51	33	0.0	-			
	Donaghadee ...	29.59	51	ENE	6	0	29.72	+11	50	47	+1	ENE	3	0	3	-	51	48	*	0.01			
	Liverpool Obsy. ...	29.49	48	E	3	st	29.68	+21	50	48	+2	E	1	0	?	st	52	48	*	0.25			
	Holyhead ...	29.46	52	ENE	3	op	29.67	+18	61	50	+2	NE	3	dm	2	0.0p	52	49	*	0.42			
	Pembroke (St. Ann's) ...	29.53	56	ENE	4	0	29.62	+27	53	52	+1	N	5	oggmpt	4	-	57	50	0.0	0.08			
GERMANY, &c.	Scilly (St. Mary's) ...	29.23	55	NNW	5	m	29.54	+36	65	53	+1	NNW	6	0	5	m	58	52	0.1	0.06			
	Jersey (St. Aubins) ...	29.44	61	SE	6	0	29.48	+10	59	58	-1	WSW	5	omp	4	bc, op	65	56	8.3	0.33			
	Portland Bill ...	29.39	59	SE	6	c	29.50	+08	56	55	-2	N	3	0	3	bc, c	62	53	*	0.16			
	Dungeness ...	29.58	60	S	3	bc	29.56	+01	58	57	-2	S	5	+	3	b, bc	63	56	*	0.12			
	Wick ...	29.65	45	N	2	bc	29.72	+01	36	35	+5	NW	1	bc	1	-	54	?	*	-			
	Nairn ...	29.66	45	Z	0	c	29.73	-01	40	39	+10	SW	1	b	1	-	55	28	*	0.01			
	Aberdeen ...	29.63	46	NNW	2	c	29.74	+04	40	39	0	WNW	2	0	2	c	50	36	0.3	-			
	Leith ...	29.62	50	NNE	2	0	29.75	+11	44	41	-3	Z	0	om	*	-	50	43	*	-			
	North Shields ...	29.54	49	NE	2	+	29.69	+12	50	49	0	NE	2	+	3	+	50	47	*	0.93			
	Spurn Head ...	29.54	54	W	2	c	29.63	+16	52	51	-1	NE	3	c	2	c, p	57	50	*	0.25			
FRANCE.	Yarmouth ...	29.54	60	SSW	3	bc	29.59	+13	57	55	-1	SE	2	c	3	bc	64	52	*	-			
	Loughborough ...	29.52	53	ENE	1	0	29.62	+16	50	50	-1	N	3	ogm	*	1.0, omp	57	50	*	0.06			
	Oxford ...	29.50	56	SE	1	b	29.56	+11	52	51	-4	N	2	op	*	0.7, 0	63	51	*	0.09			
	London (Brixton) ...	29.50	58	SW	3	op	29.54	+05	55	54	-3	Z	0	rgm	*	bc, p, b	67	53	2.4	0.15			
	The Scaw (Skagen) ...	29.58	48	S	5	+	29.53	-42	46	46	-1	E	4	0	1	-	50	46	*	0.55			
	Fanö ...	29.59	52	SW	4	c	29.61	-16	52	51	+6	SW	2	b	*	-	54	46	*	-			
	Cuxhaven ...	29.66	55	S	1	0	29.68	-03	50	49	+5	SSW	2	b	*	-	57	45	*	0.04			
	The Helder ...	29.60	55	SW	2	b	29.62	50	49	49	SSW	1	b	1	-	61	46	*	-				
	Brussels ...	*	*	*	*	+	29.69	+04	55	52	-3	SSE	3	0	*	-	66	?	*	-			
	Berlin ...	29.74	53	SE	2	b	29.78	-14	53	53	+9	SSW	2	0	*	-	59	45	*	0.20			
SPAN. PEN.	Frankfurt ...	29.79	51	S	1	b	29.82	+06	48	48	-3	Z	0	+	*	-	59	46	*	-			
	Munich ...	29.88	55	SW	2	bc	29.88	+07	51	51	+9	SSE	1	0	*	-	63	42	*	0.04			
	C. Gris Nez ...	29.59	61	SE	3	bc	29.58	+06	56	54	-2	S	5	+	5	-	64	54	*	0.08			
	Brest ...	29.38	57	W	6	+	29.62	+32	55	54	-4	NNW	5	b	5	-	59	54	*	0.16			
	Lorient ...	29.47	57	SW	7	+	29.58	57	57	57	WNW	6	0	5	-	64	54	*	0.51				
	Rochefort ...	29.67	63	SSW	4	c	29.74	+05	60	58	+5	WSW	4	c	*	c	68	52	*	0.12			
	Biarritz ...	29.75	68	SE	2	c	29.84	+15	62	60	0	WSW	3	c	3	-	73	57	*	-			
	Paris ...	29.67	62	S	3	0	29.69	-01	54	52	-1	S	3	c	*	-	70	52	*	-			
	Belfort ...	29.80	57	ENE	3	c	29.80	+03	53	51	-1	Z	0	c	*	-	63	52	*	0.04			
	Lyons ...	29.77	63	W	1	0	29.82	-03	54	53	+2	N	1	c	*	-	66	53	*	-			
SPAN. PEN.	Nice ...	29.86	61	Z	0	0	29.80	00	59	59	-6	ENE	4	+	3	-	70	57	*	1.22			
	Perpignan ...	29.71	61	E	2	0	29.73	00	54	54	-1	SW	2	0	*	-	71	52	*	-			
SPAN. PEN.	Corunna ...																	*	*				
	Lisbon ...																	*	*				
	Azores (P. Delgada) ...																	*	*				

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, 11<sup>th</sup> OCTOBER, 1902.

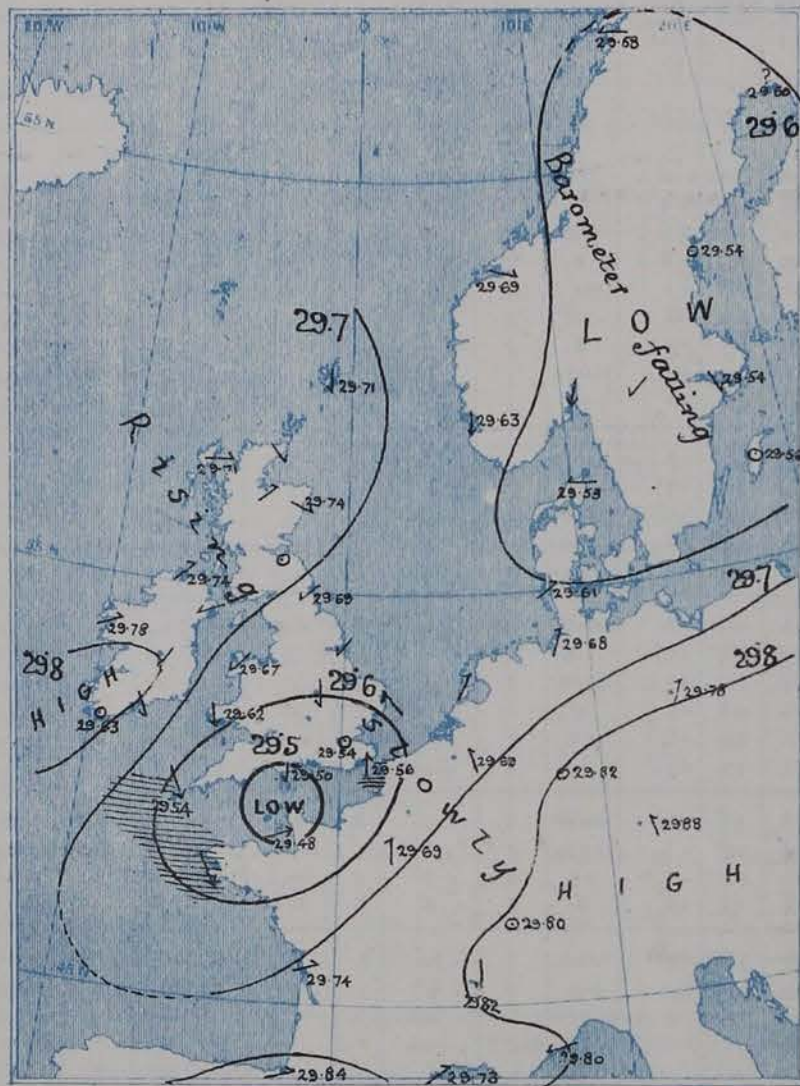
## I. BAROMETER, WIND AND SEA. This Morning.

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

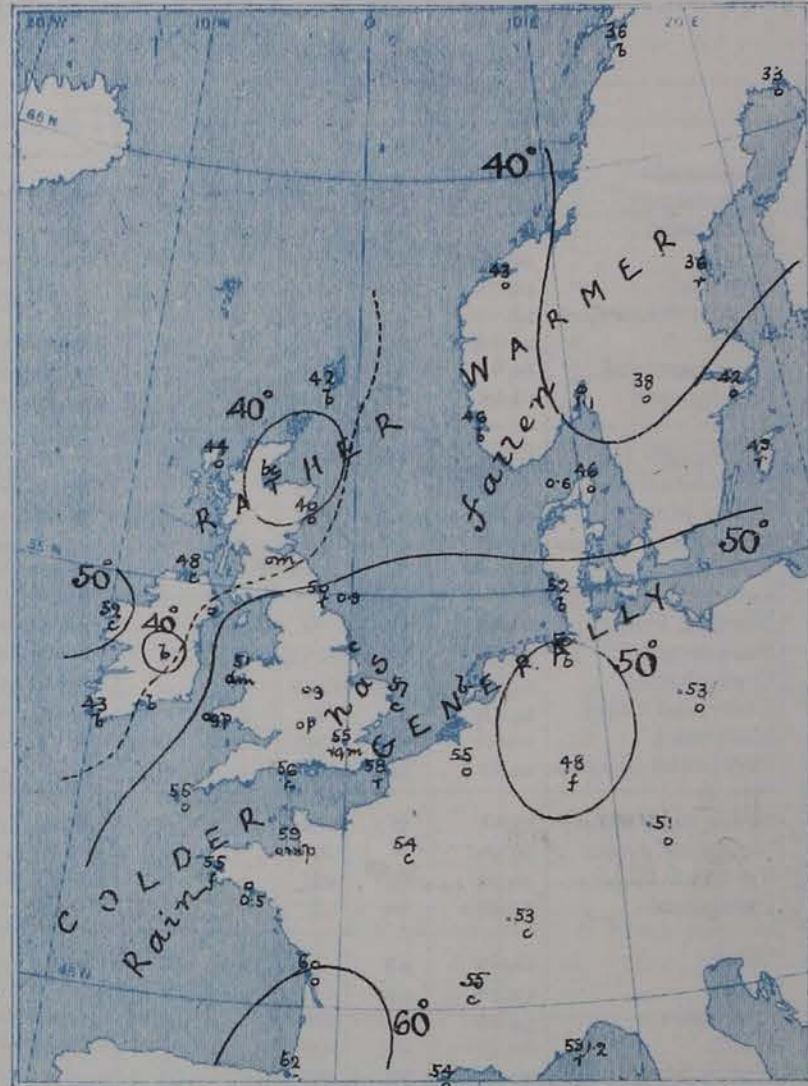


## II. TEMPERATURE AND WEATHER. This Morning.

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



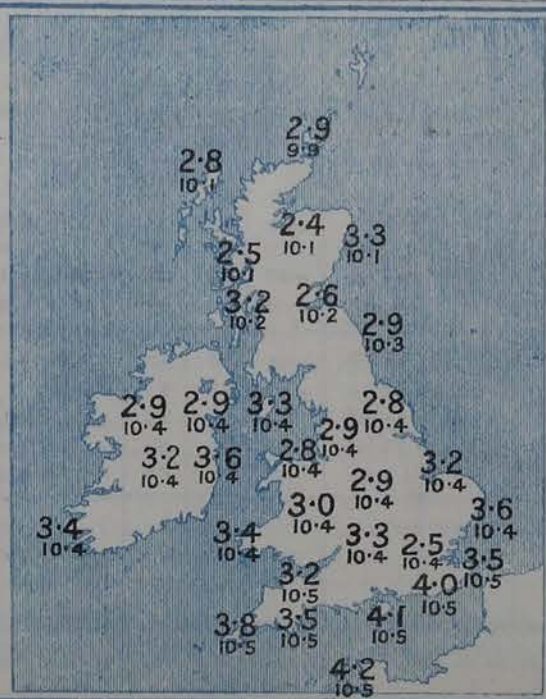
## III. BAROMETER AND WIND

Yesterday morning.



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

Specimen (Average No of) 2.8  
(for Stornaway) (Hours daily) 10.1  
(Total Possible)



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

OCTOBER. (1871-1900.)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Since yesterday there has been some recovery of pressure over nearly the whole of our area, but especially over Devon and Cornwall. The centre of the small depression noticed near Scilly yesterday, has advanced eastwards to the neighbourhood of Cherbourg, and the reading range from 29.83 in. at Valencia, 29.84 in. at Biarritz and 29.88 in. at Munich to 29.48 in. at Jersey.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The winds over Ireland, England and France are light in force and circulate round the region above mentioned, being N<sup>W</sup> at our western stations, W<sup>W</sup> over Brittany, S<sup>W</sup> over the Netherlands and the east of England, and N.E<sup>W</sup> in the north of England; at the more northern stations they are very light and variable, as well as in the south of France.

Temperature is changing fitfully; at Nairn it has risen 10°, at Parsonstown it has fallen 12°. It now varies from 58° at Dungeness, to 40° at Nairn and 38° at Parsonstown, the last named reading being much below the average, while those over England are above it. The weather is dull and very rainy over England, but is finer at present in Ireland, Scotland and on the Continent. The sea is rough in many parts of the Channel.

During yesterday the maximum temperatures recorded over the southern half of England ranged from 60° to 67°. At Biarritz the maximum was 73° and at Nice 70°. Rainfall has been heavy in many places—1.22 in. at Nice, 1.35 in. at Harrogate, 0.93 in. at Shields and 1.1 in. at Faerder. Bright sunshine amounted to 9 hours at Hastings, 8.1 hours at Valencia and was considerable all along our southern coasts.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Cooler, but very changeable weather is probable generally with occasional falls of rain, and variable, light to moderate, winds.

## FORECASTS\*

For the 24 hours ending at NOON on 12<sup>th</sup> October, 1902

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND, NORTH	Very variable winds, light to moderate; changeable, rain at times.	6 { SCOTLAND WEST	N <sup>W</sup> and variable breezes; weather changeable and unstable, rain at times.
1 { SCOTLAND EAST		7 { ENGLAND N.W.	
2 { ENGLAND N.E.	N <sup>W</sup> winds, rather colder, showery; then variable winds and very changeable weather; occasional rain	8 { ENGLAND S.W.	
3 { ENGLAND EAST		9 { IRELAND NORTH	
4 { MIDLAND COUNTIES		10 { IRELAND SOUTH	None issued.
5 { ENGLAND SOUTH			
		WARNINGS	

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 (  $\Uparrow$  ), 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	60	50	8.8	0.12	
Newton Reigny (Penrith)	29.55	47	N 1	f	29.67	+1.5	46	46	0	N 1	st	*	st	48	44	0.0	0.78	
Bath ... ..	29.44	59	NE 3	o	29.56	+1.4	54	53	-3	E 1	o	*	-	62	54	0.6	0.05	

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	49	45	o, f, m	0.0	1.35	Worthing ... ..	*	*	*	5.5	*
Birmingham, 9 p.m. ...	60	47	b	0.0	0.45	Llandudno ... ..	*	*	*	0.0	*
Lowestoft, up to 6 p.m. ...	*	*	*	*	*	Rhyl up to 6 p.m. ...	*	*	*	0.0	*
Hastings ... ..	*	*	*	9.1	*	Southport, 9 p.m. ...	51	46	st	0.0	0.44
Eastbourne up to 6 p.m. ...	*	*	*	8.3	*	Manchester, 9 p.m. ...	56	46	c, b, f	0.0	0.32
Brighton ... ..	*	*	*	5.6	*	Darwen, 9 p.m. ...	49	44	f	0.0	0.35

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

STATIONS. 10. X. 02	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 9. X. 02	TEMPERATURE, F. at 1 p.m. °	WEATHER.	RAIN. (measured at 7 a.m.)
	Max. °	Min. °						
Marseilles ... ..	79	64	o o	—	Geneva ... ..	55	o	0.08
Utrecht... ..	59	43	o c	—	Berne ... ..	57	o	—
Copenhagen... ..	48	41	o o	—	Lucerne ... ..	57	b	—
Prague ... ..	55	39	b m	—	Lausanne ... ..	57	bc	0.04
Vienna ... ..	54	46	b o	—	Lugano ... ..	63	bc	—
Buda-Pesth ... ..	61	50	o o	—	Locarno ... ..	57	bc	—
St. Petersburg ... ..	39	30	b o	—				
Rome ... ..	77	58	b c	—				
Malta ... ..	81	75	? bc	—				
Madeira (Funchal) Not Rec <sup>d</sup>								

## 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.

	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 ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon)	8.36 a.m.		

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

11. X. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
	h. m.	h. m.	h. m.
Yarmouth ... ..	6.13	11.40	5.6
Greenwich ... ..	6.19	11.47	5.15
Wick ... ..	6.41	11.59	5.17
Valencia ... ..	7.0	12.28	5.55

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† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on

SUNDAY 12<sup>TH</sup> OCTOBER.

1902

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.
SCANDINAVIA.	Haparanda ...	29.75	29	N	4	o	29.97	+37	25	25	-8	NE	2	s	*	-	34	?	*	0.16	
	Hernösand ...	29.76	32	Z	0	b	29.93	+39	35	34	-1	Z	0	f	*	-	41	32	*	-	
	Stockholm ...	29.82	41	Z	0	o	29.93	+39	36	35	-6	Z	0	b	*	-	45	39	*	-	
	Wisby ...	29.75	44	Z	0	c	29.92	+36	43	41	-6	E	2	o	*	-	49	39	*	0.12	
	Karlstad ...	29.83	36	Z	0	b	29.97	+39	32	31	-6	Z	0	bc	*	-	*	*	*	-	
	Färder (X'ania Fjord) ...	29.78	45	N	2	b	29.97	+36	39	39	-2	N	2	m	1	-	45	39	*	-	
	Bodö ...	29.72	37	S	4	o	29.89	+31	34	33	-2	E	2	c	1	-	41	32	*	-	
	Christiansund ...	29.84	41	WSW	1	f	30.00	+31	42	41	-1	ESE	1	c	2	-	45	41	*	0.20	
	Skudesnaes ...	29.82	46	NNW	4	b	30.00	+37	47	42	+1	NNE	2	c	1	-	52	41	*	*	
BRITISH ISLANDS.	Sumburgh Head ...	29.81	46	Z	0	o	29.97	+26	46	45	+4	WSW	1	o	2	o	51	41	*	-	
	Stornoway ...	29.81	50	SW	3	o	29.94	+23	49	48	+5	SW	2	o	2	o	54	42	0.3	-	
	Malin Head ...	29.85	52	SW	2	bc	29.94	+20	48	48	0	S	4	c	3	bc	53	47	*	0.01	
	Blacksod Pt. ...	29.87	53	S	1	b	29.91	+13	58	55	+6	S	5	cm	4	bc, b	58	43	*	-	
	Valencia... ..	29.93	57	SW	1	o	29.99	+16	58	56	+15	SSE	5	og	6	o	61	46	6.2	-	
	Roche's Point ...	29.93	56	SW	3	o	30.09	+31	57	56	+11	SSW	2	o	2	b, o	59	45	*	0.01	
	Parsonstown ...	29.93	52	E	1	c	30.03	+22	51	50	+17	SE	3	ogu	*	c	57	34	6.4	-	
	Donaghadee ...	29.88	52	W	1	o	30.05	+33	45	44	-5	SW	2	c	1	-	55	38	*	-	
	Liverpool Obsy. ...	29.90	50	N	1	bc	30.16	+48	46	43	-4	SSW	1	b	1	o, bc	52	42	*	-	
	Holyhead ...	29.88	52	NNE	2	cp	30.12	+45	50	50	-1	S	1	cu	1	o, cp	52	43	*	0.04	
	Pembroke (St. Ann's) ...	29.90	53	N	4	c	30.14	+52	55	53	+2	S	4	cu	3	-	56	48	0.4	-	
	Scilly (St. Mary's) ...	29.92	55	NNW	5	c	30.18	+64	54	52	-1	SSW	2	o	4	c	58	51	5.0	-	
GERMANY, &c.	Jersey (St. Aubins) ...	29.78	58	NW	3	bc	30.19	+71	55	51	-4	NW	3	bc, m	3	o, bc, g	60	52	0.2	0.02	
	Portland Bill ...	29.81	55	N	3	bc	30.21	+71	49	42	-7	NNE	2	bc, w	2	o, bc	58	45	*	-	
	Dungeness ...	29.69	58	NE	1	o	30.12	+56	51	50	-7	N	3	bc	1	o	58	46	*	0.08	
	Wick ...	29.86	38	Z	0	b	29.94	+22	47	45	+11	SW	1	c	0	-	53	33	*	-	
	Nairn ...	29.85	45	Z	0	bc	30.01	+28	41	40	+1	Z	0	c	0	-	56	28	*	-	
	Aberdeen ...	29.85	44	ESE	1	bc	30.04	+30	39	38	-1	W	1	cm	1	bc	53	33	3.6	-	
	Leith ...	29.86	47	Z	0	o	30.07	+32	39	38	-5	Z	0	m	*	-	54	30	*	-	
	North Shields ...	29.83	50	NNE	1	c	30.10	+41	39	38	-11	SW	1	f	2	t, c, w	52	35	*	0.01	
	Spurn Head ...	29.80	50	N	2	c	30.13	+50	46	45	-6	NW	3	b	2	-	55	45	*	0.03	
	Yarmouth ...	29.69	57	N	3	f	30.08	+49	52	48	-5	N	3	bc	4	-	63	49	*	0.31	
	Loughborough ...	29.84	50	N	2	o	30.17	+55	35	35	-15	SE	1	cm, w	*	cm, c, m	54	33	*	-	
	Oxford ...	29.87	51	NNE	3	c	30.20	+64	44	43	-8	Z	0	bc	*	c	54	40	*	0.06	
	London (Brixton) ...	29.75	55	NW	3	o	30.17	+63	49	47	-6	E	3	bc	*	t, o, b	60	46	0.0	0.05	
FRANCE.	The Scaw (Skagen) ...	29.75	46	NE	2	c	29.93	+40	45	42	-1	NE	4	b	1	-	48	43	*	-	
	Fanö ...	29.78	47	NNW	2	o	29.95	+34	43	41	-9	NNW	2	b	*	-	55	41	*	-	
	Cuxhaven ...	29.73	55	NE	1	o	29.92	+24	47	46	-3	N	4	o	*	-	63	46	*	0.16	
	The Helder ...	29.69	54	WSW	1	o	29.99	+37	52	50	+2	NNE	1	o	?	-	59	50	*	0.04	
	Brussels... ..	*	*	*	*	*	29.99	+30	52	52	-3	NNW	3	o	*	-	65	52	*	0.20	
	Berlin ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Frankfurt ...	29.75	53	N	1	b	29.83	+01	53	51	+5	N	1	c	*	-	56	42	*	-	
	Munich ...	29.76	55	SE	2	f	29.78	-10	52	52	+1	SW	4	f	*	-	64	51	*	0.32	
SPAN. PEN.	C. Gris Nez ...	29.67	56	S	1	f	30.24	+46	54	51	-1	N	7	o	6	-	63	52	*	0.35	
	Brest ...	29.79	55	N	5	o	30.20	+58	52	49	-3	NNW	1	c	0	-	55	52	*	-	
	Lorient ...	29.87	57	NW	5	f	30.19	+61	54	52	-3	NNW	5	c	4	-	61	52	*	0.04	
	Rochefort ...	29.83	60	WNW	6	o	30.13	+39	58	55	-2	N	5	o	*	-	?	?	*	0.12	
	Biarritz ...	29.99	61	W	4	o	30.19	+35	62	57	0	NNW	4	c	4	-	62	48	*	0.67	
	Paris ...	29.71	56	SSW	2	b	29.99	+30	54	53	0	NNW	4	o	*	-	64	54	*	0.12	
	Belfort ...	29.74	58	Z	0	o	29.88	+08	50	50	-3	W	6	m	*	-	66	50	*	-	
	Lyons ...	29.75	59	WNW	1	c	29.95	+13	55	53	+1	N	1	?	*	-	62	53	*	-	
Nice ...	29.56	59	E	4	f	29.69	+11	58	56	-1	Z	0	c	3	-	61	54	*	1.93		
Perpignan ...	29.79	63	NW	5	o	30.02	+29	61	55	+7	NW	4	bc	*	-	67	54	*	-		
SPAN. PEN.	Corunna ...	30.13	59	NNW	4	b	30.24	+30	60	55	-1	N	4	b	*	-	66	57	*	-	
	Lisbon ...	30.13	59	NNW	4	b	30.24	+30	60	55	-1	N	4	b	*	-	66	57	*	-	
Azores (P. Delgada) ...	30.04	69	SSW	4	o	30.11	+14	69	68	+4	SSW	4	o	3	-	72	65	*	-		

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, 12<sup>TH</sup> OCTOBER, 1902.

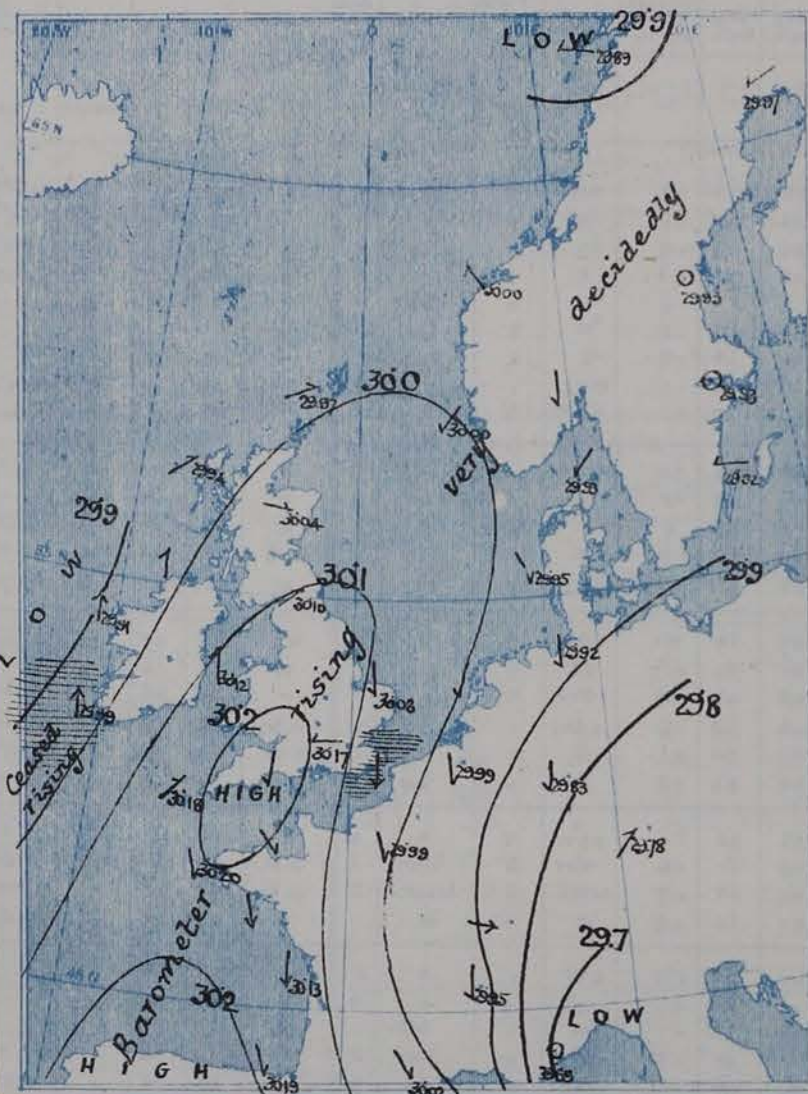
I. BAROMETER, WIND AND SEA. *This Morning.*

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

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

Force above 10  $\Rightarrow \Rightarrow \Rightarrow$  :      Force 5 to 7  $\longrightarrow$  :  
Force 8 to 10  $\Rightarrow \Rightarrow \Rightarrow$  :      Force 1 to 4  $\longrightarrow$  :      } Calm ☉

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



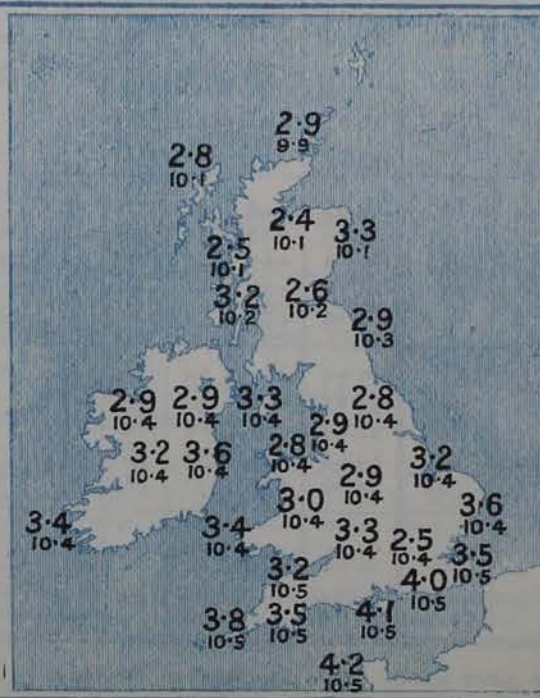
### III. BAROMETER AND WIND

*Yesterday morning.*



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

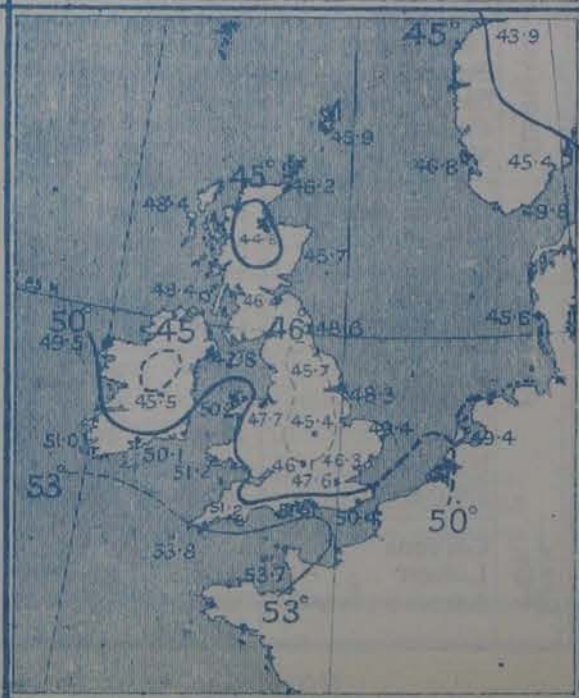
Specimen	{ Average N <sup>o</sup> of Hours daily Total Possible }	2.8
(for Stornaway)		10.1



#### V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

OCTOBER, (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The cyclonic system which lay over our southern and southeastern districts yesterday has moved away quickly eastwards and become much less deep, while its position over our Islands has been taken by an anticyclone in which the barometer stands at about 30.2 ins. The lowest readings, below 29.7 ins., are now found near Nice. The mercury continues to rise over our area as a whole but the rise has ceased in the west of Ireland.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind over our Islands and their neighbourhood circulates around the area of high pressure; the southerly current in the extreme west is rather fresh, while the northerly current blows a moderate gale at Cape Gris Nez and a fresh breeze in the west of France. Over Scandinavia the wind is very light and variable.

Temperature has risen quickly in Ireland and the extreme north of Scotland, fallen elsewhere. It now ranges from about 60° in the south of France and 58° in the west of Ireland to 52° at Yarmouth and Munich, 39° on the northeast coast of St. Britain, 35° at Loughborough and Herissand, and to 25° at Naparanda.

The weather is cloudy or dull as a whole, but fine and bright in Denmark and many English stations. Rain is falling in South Germany and snow in the extreme north of Sweden. At Oxford a solar halo is visible.

The sea is rough at Cape Gris Nez and off the southwest of Ireland, moderate to smooth elsewhere.

The maximum temperatures recorded yesterday were as high as 63° at Yarmouth, 61° at Valencia and 60° at Jersey and in London; at Perpignan the thermometer rose to 67°. Sharp frost occurred in inland parts of Scotland during the night and ground frosts over central England. Slight rain fell at most of our southern and eastern stations and heavier amounts on the continent; at Nice there was as much as 1.93 ins. A thunderstorm was experienced at Cuxhaven. Bright Lunshine was very deficient except at some western stations. In the southeast there was none.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS\*

For the 24 hours ending at NOON on 13<sup>th</sup> OCT. 1902

### 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

### WARNINGS

None

issued

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 . . . . .	*	*	*	*	*	*	*	*	*	*	b	*	o, r	57	48	0.0	0.21	
Newton Reigny (Penrith)												*						
Bath . . . . .	29.78	55	NE 1	0	30.22	+66	45	42	-9	NW 1	f	*	~	57	40	0.0	~	

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Rainfall.		STATIONS.	TEMPERATURE.		Weather.	Sunshine. Rainfall.	
	Max.	Min.		Hrs.	Ins.		Max.	Min.		Hrs.	Ins.
Harrogate, up to 6 p.m. ...	50	47	m, o, c	0.1	0.09	Worthing ...	4	4	—	0.8	—
Birmingham, 9 p.m. ...	56	49	o	0.0	—	Llandudno ...	4	4	—	1.4	—
Lowestoft, up to 6 p.m. ...						Rhyl up to 6 p.m. ...	0	4	—	—	—
Hastings ...	*	*	*		*	Southport, 9 p.m. ...	53	44	o, c, b	0.0	0.01
Eastbourne up to 6 p.m. ...	*	*	*		*	Manchester, 9 p.m. ...					
Brighton ...	*	*	*		*	Darwen, 9 p.m. ...	50	40	b, m, w	0.0	—

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

STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F. at 1 p.m.	WEATHER.	RAIN. (measured at 7 a.m.)
	Max. °	Min. °						
11. X. 02					10. X. 02		1 p.m.	
Marseilles ... ..	75	61	o , r	Ins. 0.79	Geneva ... ..	59	c	Ins.
Utrecht... ..	64	48	b , o	—	Berne ... ..	61	c	—
Copenhagen ... ..	54	48	o , f	0.12	Lucerne ... ..	61	c	—
Prague ... ..	57	41	o , f	—	Lausanne ... ..	61	bc	—
Vienna ... ..	54	41	o , f	—	Lugano ... ..	55	o	—
Buda-Pesth ... ..	55	52	o , o	0.04	Locarno ... ..	55	r	—
St. Petersburg ... ..	43	27	o , o	—				
Rome ... ..	80	68	o , r	—				
Malta ... ..	81	76	? , c	—				
Madeira (Funchal) ... ..	72	57	bc , 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.

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	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 ... .. }	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon) ... ..	8.36 a.m.		

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

12...X...Y., 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	h. m. 6.15	h. m. 11.40	h. m. 5.4
Greenwich ... ..	6.21	11.47	5.13
Wick ... ..	6.44	11.59	5.14
Valencia ... ..	7.2	12.28	5.53

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# DAILY WEATHER REPORT

for 8 a.m. on

MONDAY 13<sup>th</sup> OCTOBER

1902

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.			Rainfall.		
At 82° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)	At 82° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)	Weather.	Max.	Min.	Sun- shine.  Hours	Ins.						
Ins.	Ins.	°	°	Ins.	Ins.	°	°	°	°	°	°	°	°	°	°	°					
SCANDINAVIA.	Haparanda ...	30.02	26	E	2	o	30.00	+03	20	19	-5	N	2	c	*	-	30	20	*	-	
	Hernösand ...	30.06	33	2	0	b	30.11	+18	33	32	-2	Z	0	b	*	-	39	30	*	-	
	Stockholm ...	30.13	39	2	0	o	30.16	+23	32	31	-4	W	2	b	*	-	46	32	*	-	
	Wisby ...	30.04	43	NE	2	bc	30.17	+25	41	37	-2	NNW	4	b	*	-	48	37	*	-	
	Karlstad ...	30.10	41	NE	2	o	30.17	+20	32	32	0	N	2	f	*	-	*	*	*	-	
	Færder (X'ania Fjord) ...	30.11	44	W	2	b	30.12	+15	41	41	+2	NE	2	f	1	-	45	37	*	-	
	Bodö ...	30.13	36	N	4	c	30.06	+17	34	32	0	S	2	c	1	-	37	30	*	23.11	
	Christiansund ...	30.13	42	ESE	2	o	30.01	+01	41	38	-1	ESE	4	b	3	-	46	39	*	0.08	
	Skudesnaes ...	30.15	41	NNW	2	b	30.00	-00	48	46	+1	SE	6	o	4	-	50	39	*	*	
BRITISH ISLANDS.	Sumburgh Head ...	29.98	48	S	1	o	29.75	-22	49	48	+3	W	4	c	4	o, o	52	45	*	0.12	
	Stornoway ...	29.79	53	SSW	5	ou	29.85	-09	45	45	-4	WSW	1	bc	1	od, ou	54	44	0.0	0.09	
	Malin Head ...	29.77	55	SSW	6	o	29.98	+04	51	51	+3	S	3	o	3	1.0	55	48	*	0.03	
	Blacksod Pt. ...	29.86	56	WNW	5	cpm	29.99	+08	55	54	-3	SSW	4	omp	3	1.0pm	58	45	*	0.30	
	Valencia... ..	29.98	59	SW	4	om	30.06	+07	51	51	-7	SE	1	om	4	1.0m	60	50	0.0	0.54	
	Roche's Point ...	30.08	58	SW	5	odm	30.06	-03	56	55	-1	W	2	om	1	odm	58	55	*	0.22	
	Parsonstown ...	29.95	58	SE	4	o	30.04	+01	50	49	-1	SW	1	om	*	bc, o, t	59	49	0.7	0.11	
	Donaghadee ...	29.99	55	SW	2	t	30.04	-01	48	47	+3	NW	2	o	2	-	57	44	*	0.04	
	Liverpool Obsy. ...	30.16	54	S	2	b	30.07	-09	56	55	+10	WSW	1	t	?	b, or	57	46	*	0.18	
	Holyhead ...	30.10	55	S	4	dm	30.04	-08	56	56	+6	W	1	oft	1	o, dm	56	43	*	0.58	
	Pembroke (St. Ann's) ...	30.16	56	SSW	6	o	30.06	-08	57	57	+2	SSW	7	rgqm	6	-	58	53	0.0	0.35	
	Scilly (St. Mary's)... ..	30.22	56	S	5	o	30.12	-06	55	54	+1	SSW	5	m	4	o	57	54	1.1	0.05	
Jersey (St. Aubins)... ..	30.32	58	WNW	2	cg	30.33	+14	56	54	+1	SW	4	cmw	3	bc, cg	61	48	8.2	-		
Portland Bill ...	30.29	55	WSW	2	bc	30.24	+03	58	56	+9	SW	4	c	4	b, bc	59	48	*	-		
Dungeness ...	30.26	54	NE	1	bc	30.29	+17	57	56	+6	SW	6	o	3	bc	58	48	*	-		
GERMANY, &c.	Wick ... ..	29.87	50	SE	3	o	29.88	-06	48	46	+1	WNW	2	bc	1	o, t	54	45	*	0.05	
	Nairn ... ..	29.91	55	SW	1	c	29.92	-09	47	45	+6	SW	1	c	1	-	56	39	*	0.05	
	Aberdeen ... ..	30.00	51	SSW	2	o	29.94	-10	48	46	+9	SW	2	c	1	o, gr	53	38	3.5	0.07	
	Leith ... ..	30.02	54	S	2	o	30.00	-07	51	48	+12	WSW	2	cm	*	-	59	38	*	0.02	
	North Shields ... ..	30.11	53	SSW	2	o	29.99	-11	55	54	+16	SW	2	cm	2	o, t	56	38	*	0.09	
	Spurn Head ... ..	30.19	54	S	3	c	30.08	-05	55	54	+9	SSW	4	o	2	-	57	45	*	0.13	
	Yarmouth ... ..	30.21	55	NNE	2	bc	30.17	+09	54	52	+2	SSW	4	c	4	bc, bcw	57	49	*	0.01	
	Loughborough ... ..	30.22	52	ESE	2	o	30.12	-05	56	54	+21	SSW	3	om	*	bc, bc, op	60	35	*	0.07	
	Oxford ... ..	30.28	51	SW	1	b	30.19	-01	55	55	+11	S	4	o	*	b	59	43	*	-	
	London (Brixton) ... ..	30.28	55	W	1	b	30.22	+05	57	55	+8	SW	4	o	*	og, b, o, b	58	46	3.5	-	
	The Scaw (Skagen) ... ..	30.12	45	WSW	1	b	30.19	+26	45	44	0	SW	3	c	1	-	48	41	*	-	
	Fanö ... ..	30.22	46	WNW	1	c	30.24	+29	49	47	+6	SSW	2	o	*	-	54	43	*	-	
	Cuxhaven ... ..	30.15	50	NNW	3	b	30.30	+38	46	45	-1	SW	2	o	*	-	50	45	*	-	
The Helder ... ..	30.23	51	NNW	1	bc	30.22	+23	50	48	-2	SSW	1	o	1	-	55	43	*	-		
Brussels... ..	*	*	*	*	*	30.38	+39	50	48	-2	S	2	c	*	-	55	43	*	-		
Berlin ... ..	30.11	48	NW	4	c	30.35	42	41	41	-3	NW	2	o	*	-	64	39	*	-		
Frankfurt ... ..	30.26	53	N	2	o	30.41	+58	50	46	-3	N	2	o	*	-	64	48	*	-		
Munich ... ..	30.19	54	SW	2	t	30.42	+64	50	50	-2	SW	2	o	*	-	55	50	*	0.32		
FRANCE.	C. Gris Nez ... ..	30.29	52	NNE	3	b	30.30	+26	55	54	+1	SSW	5	o	5	-	57	48	*	-	
	Brest ... ..	30.35	58	W	1	c	30.33	+13	59	57	+7	WSW	3	o	3	-	63	52	*	-	
	Lorient ... ..	30.35	59	WNW	4	bc	30.37	+18	57	57	+3	SW	3	bc	2	-	64	52	*	-	
	Rochefort ... ..	30.29	58	NW	2	c	30.38	+25	48	47	-10	NE	2	b	*	-	64	45	*	-	
	Biarritz ... ..	30.39	61	NW	4	c	30.43	+24	55	54	-7	Z	0	b	3	-	63	52	*	0.04	
	Paris ... ..	30.32	54	N	3	o	30.42	+43	41	41	-13	Z	0	bc	*	-	72	39	*	-	
	Belfort ... ..	30.12	55	SSE	2	m	30.41	+53	48	48	-2	ENE	3	f	*	-	62	48	*	-	
	Lyons ... ..	30.19	56	N	1	b	30.39	+44	56	50	+1	N	1	o	*	-	62	52	*	0.08	
	Nice ... ..	29.90	63	E	2	o	30.20	+51	58	56	0	E	1	o	2	-	72	57	*	-	
	Perpignan ... ..	30.17	63	NW	5	bc	30.30	+28	59	52	-2	NW	5	c	*	-	67	57	*	-	
	SPAN. PEN.	Corunna ... ..	30.30	61	NNW	4	b	30.32	+08	58	53	-2	N	3	b	*	-	68	55	*	-
		Azores (P. Delgada) ... ..	30.24	68	SSW	4	c	30.27	+16	65	63	-4	NNE	4	c	3	-	72	64	*	0.47

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 13<sup>th</sup> October 1902.

*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 above 10  $\Rightarrow$   $\longrightarrow$  ; Force 5 to 7  $\longrightarrow$  )

Force above 10  $\Rightarrow \Rightarrow \Rightarrow$  : Force 5 to 7  $\Rightarrow \Rightarrow \Rightarrow$  : } Calm ☉  
Force 8 to 10  $\Rightarrow \Rightarrow \Rightarrow$  : Force 1 to 4  $\Rightarrow \Rightarrow \Rightarrow$  :

SEA — Rough  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—0.6



*Yesterday morning.*



Specimen (for Stornaway)	{ Average N <sup>o</sup> of Hours daily Total Possible	2.8 10.1
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OCTOBER. (1871-1900.)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Barometric readings this morning range from 30.43 ins. at Biarritz and 30.42 ins. both at Munich and Paris, to 29.75 ins. at Lumburgh Head. At all stations lying to the northward of Holyhead the barometer is rising, but over the south-western parts of England it has commenced falling.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The winds vary greatly both in direction and force; in the north we find a light variable breeze from W, while in the west of Norway the wind is stronger from S.E. and E; in Ireland there are varying light breezes, while in some parts of England and Wales it is strong from S.W. France reports anticyclonic air and calm. Temperature is rising - at Loughborough the change is 21° and at Shields 16° since yesterday; it now varies from 57° in London to 45° at Stornoway, and is much above the average over England. The weather is fair over Scotland, very dull over Ireland and England, with rain in Wales and showers at Blackrod; over France it is fine. The sea is rough at Pembroke only, smooth on our north-east coast.

Rain fell very generally in the west and north of our islands yesterday and in some places the fall was considerable. There were also local falls at Munich, Lyons and Biarritz. There were again from 5 to 8 hrs. of Bright Sunshine at the English Channel stations - little or none at those in Scotland and Ireland.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of very changeable weather is probable, though at present there is nothing of a threatening nature reported.

## FORECASTS\*

For the 24 hours ending at NOON on 14<sup>th</sup> October, 1902

### DISTRICTS.

### FORECASTS.

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

Variable light winds at first,  
with fair but not settled weather;  
very uncertain later.

S.W. and S.E. winds, increasing, with  
rain; very unsettled and changeable.

### 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

Same as Nos. 3 to 5.

Similar to Nos. 0 to 2.

Varying light winds, mostly E<sup>ly</sup>,  
rainy, unsettled.

### 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	*	*	*	*	*	*	*	*	*	*	o	*	b.c	57	51	7.2	-
Newton Reigny (Penrith)	30.05	52	S 3	o	30.01		52	52		2 o	m	*	c, o, g, m	55	40	4.0	0.07
Bath	30.27	55	NE 1	c	30.19	-0.3	59	56	+1.4	S 3	o	*	-	60	45	5.3	-

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	57	35	c, b, o	5.7	0.02	Worthing ... ..	*	*	*	7.9	*
Birmingham, 9 p.m. ...	57	38	†	4.2	0.03	Llandudno ... ..	*	*	*	2.9	*
Lowestoft, up to 6 p.m. ...	*	*	*	*	*	Rhyl up to 6 p.m. ...	*	*	*	4.5	*
Hastings ... ..	*	*	*	5.4	*	Southport, 9 p.m. ...	57	33	b, o, r	1.7	0.06
Eastbourne up to 6 p.m. ...	*	*	*	5.0	*	Manchester, 9 p.m. ...	*	*	*	*	*
Brighton ... ..	*	*	*	5.8	*	Darwen, 9 p.m. ...	54	37	o	4.0	-

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

STATIONS. 12. Oct. 01	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 13. X. 02	TEMPERATURE, F. at 1 p.m.		WEATHER. 1 p.m.	RAIN. (measured at 7 a.m.)
	Max.	Min.				°	°		
Marseilles ... ..	Obs <sup>1</sup>	not yet received		Ins.	Geneva ... ..	59		m	0.16
Utrecht ... ..					Berne ... ..	59		o	0.08
Copenhagen ... ..					Lucerne ... ..	61		o	-
Prague ... ..					Lausanne ... ..	59		o	0.24
Vienna ... ..					Lugano ... ..	55		r	0.95
Buda-Pesth ... ..					Locarno ... ..	57		r	1.07
St. Petersburg ... ..									
Rome ... ..									
Malta ... ..									
Madeira (Funchal) ... ..									

## 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.

	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 ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon)	8.36 a.m.		

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

13 ... X ... 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	h. m. 6.17	h. m. 11.39	h. m. 5.1
Greenwich ... ..	6.22	11.46	5.10
Wick ... ..	6.46	11.58	5.11
Valencia ... ..	7.4	12.27	5.50

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.

† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on

TUESDAY 14<sup>th</sup> OCTOBER

1902

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	Weather.		Barometer.	Temperature.	Wind.	Force	Weather.	Sea					Temp.			
	At 82° and M.S.L.	Dry Bulb.	Dirac.	(0 to 12.)			At 82° Fahr. and M.S.L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)				Max.	Min.	Sun- shine. Hours	Rainfall. Ins.
	Ins.						Ins.	Ins.	°	°										
SCANDINAVIA.	Haparanda ...	29.96	15	Z	0	b	29.87	-13	15	15	-5	NE	2	b	*	-	28	12	*	-
	Hernösand ...	29.86	40	?	2	0	29.67	-14	36	36	+3	N	4	r	*	-	41	32	*	0.28
	Stockholm ...	29.97	43	S	2	t	29.74	-22	46	45	+14	SW	2	c	*	-	46	28	*	0.08
	Wisby ...	30.09	46	SSW	6	0	29.80	-37	48	45	+7	WSW	2	0	*	-	50	37	*	-
	Karlstad ...	29.89	47	SW	6	0	29.76	-14	41	41	+9	SE	2	f	*	0.1	*	*	*	0.08
	Færder (X'ania Fjord)	29.86	48	SSW	6	0	29.76	-36	42	41	+1	NW	1	0	3	-	48	41	*	0.12
	Bodö ...	29.80	34	E	2	bc	29.73	-33	32	28	-2	E	4	bc	1	-	36	32	*	-
	Christiansund ...	29.70	48	WSW	6	t	29.61	-40	46	42	+5	W	5	c	3	-	48	41	*	0.32
BRITISH ISLANDS.	Skudesnaes ...	29.93	50	Z	0	0	29.76	-24	46	45	-2	SE	2	c	3	0	52	39	*	*
	Sumburgh Head	29.80	49	W	2	d	29.55	-20	49	48	0	W	2	0	3	0	52	48	*	0.13
	Stornoway ...	29.78	50	SW	3	c	29.59	-26	47	46	+2	WSW	2	bc	2	1.0	57	40	1.9	0.41
	Malin Head ...	29.88	54	S	4	0	29.71	-27	53	51	+2	W	5	cp	4	bc, 0	57	50	*	0.06
	Blacksod Pt. ...	29.89	55	SW	4	cpm	29.80	-19	56	49	+1	WNW	3	bcpm	3	c, cpm	58	49	*	0.12
	Valencia ...	29.98	56	SW	1	om	29.96	-10	53	50	+2	W	3	bcp	4	1.0m	59	50	0.0	0.20
	Roche's Point ...	29.99	56	WSW	1	t	29.94	-12	48	47	-8	WNW	3	b	2	0.1	57	47	*	0.37
	Parsonstown ...	29.95	54	SW	1	0	29.87	-17	47	46	-3	SW	1	b	*	0.0, 0.1	57	46	0.0	0.10
GERMANY, &c.	Donaghadee ...	29.95	52	WNW	1	c	29.77	-27	48	48	0	NW	1	bcw	1	-	56	48	*	0.02
	Liverpool Obsy.	29.97	53	W	1	t	29.82	-25	51	50	-5	WSW	3	c	2	0.1, t	60	49	*	0.48
	Holyhead ...	29.96	56	SW	1	omdp	29.82	-22	52	50	-4	W	3	cp	2	f, omdp	57	50	*	0.06
	Pembroke (St. Ann's)	30.11	56	SW	2	f	29.90	-16	54	51	-3	W	6	bcp	5	qpf	58	52	0.0	0.82
	Scilly (St. Mary's)...	30.02	57	SW	3	dm	30.02	-10	56	54	+1	W	4	c	4	f, dm	62	54	0.0	0.58
	Jersey (St. Aubins)...	30.23	61	SSW	4	0	30.05	-28	56	54	0	W	4	cm	3	c, 0.0	65	55	8.0	0.06
	Portland Bill ...	30.14	58	SW	6	omdp	29.97	-27	55	52	-3	W	5	c	4	0.0, omdp	59	53	*	0.08
	Dungeness ...	30.18	59	WSW	6	0	29.94	-35	57	56	0	W	6	0	3	c, 0	61	56	*	0.02
FRANCE.	Wick ...	29.81	53	W	2	c	29.60	-28	44	42	-4	SW	1	bc	1	-	57	42	*	-
	Nairn ...	29.84	50	Z	0	bc	29.63	-29	46	45	-1	SW	3	bc	1	-	58	43	*	-
	Aberdeen ...	29.89	50	S	2	c	29.65	-29	47	46	-1	SW	1	cm	1	c, t	56	44	0.5	0.22
	Leith ...	29.91	50	Z	0	f	29.68	-32	50	48	-1	WSW	2	cm	*	-	58	44	*	0.01
	North Shields ...	29.93	52	Z	0	0	29.73	-26	51	50	-4	SW	1	r	2	0	58	49	*	0.02
	Spurn Head ...	29.96	56	SSW	3	t	29.76	-32	52	51	-3	NW	4	c	2	t	59	50	*	0.67
	Yarmouth ...	30.05	61	SW	4	c	29.78	-39	54	53	0	NW	5	tg	4	c	62	52	*	0.04
	Loughborough ...	30.01	59	SW	4	0	29.85	-27	50	49	-6	WSW	3	c	*	c, 0.1, c	61	49	*	0.42
GERMANY, &c.	Oxford ...	30.03	57	SSW	3	p	29.90	-29	52	51	-3	WSW	2	cp	*	0.1, p	60	51	*	0.12
	London (Brixton)	30.12	58	SW	3	0	29.89	-33	54	53	-3	W	2	c	*	0.1, p	61	54	0.0	0.04
	The Scaw (Skagen)	29.90	48	SW	4	t	29.75	-14	46	44	+1	NW	1	0	0	-	50	45	*	0.04
	Fanö ...	29.98	52	S	2	m	29.76	-18	51	51	+2	SE	1	t	*	-	52	48	*	0.47
	Cuxhaven ...	30.15	49	SSW	5	0	29.87	-13	51	50	+5	SSW	5	0	*	-	52	45	*	0.28
	The Helder ...	30.09	55	SW	5	t	29.79	-13	55	53	+5	SW	6	0	0	-	55	50	*	0.12
	Brussels ...	*	*	*	*	*	30.00	-38	52	49	+2	SSW	5	0	*	-	58	49	*	-
	Berlin ...	30.29	48	S	1	0	30.06	-29	47	46	+5	SSW	2	c	*	-	52	42	*	-
FRANCE.	Frankfurt ...	30.33	48	SW	2	b	30.17	-24	47	46	-3	SW	2	0	*	-	55	45	*	-
	Munich ...	30.40	51	SE	2	c	30.25	-17	46	46	-4	SW	2	b	*	-	57	43	*	-
	C. Gris Nez ...	30.21	2	SW	6	bc	29.94	-36	55	55	0	SSW	6	f	6	-	63	54	*	-
	Brest ...	30.22	59	SSW	4	0	30.09	-24	55	55	-4	W	3	0	4	-	61	54	*	0.04
	Lorient ...	30.28	59	SW	4	c	30.10	-27	59	57	+2	NW	4	0	4	-	66	57	*	0.04
	Rochefort ...	30.29	58	NW	1	b	30.15	-23	54	53	+6	SSW	4	0	*	b	66	48	*	-
	Biarritz ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Paris ...	30.32	52	SSW	3	b	30.12	-30	46	45	+5	SSW	3	bc	*	-	63	44	*	-
SPAN. PEN.	Belfort ...	30.34	51	ENE	2	m	30.20	-21	46	46	-2	Z	0	f	*	-	59	41	*	-
	Lyons ...	30.41	53	NNE	1	0	30.26	-13	47	?	-9	S	1	f	*	-	58	43	*	-
	Nice ...	30.30	61	Z	0	bc	30.24	+0.4	61	56	+3	Z	0	bc	1	-	68	55	*	-
	Perpignan ...	30.30	57	N	1	0	30.21	-0.9	50	47	-9	SW	1	bc	*	-	71	46	*	-
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	30.25	62	NNW	5	b	30.25	-0.7	58	54	0	N	2	1	*	-	72	55	*	-
	Azores (P. Delgada) *	30.39	64	NE	4	b	30.34	+0.7	63	59	-2	NNE	3	b	2	-	72	61	*	-

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, 14<sup>th</sup> October, 1902.*

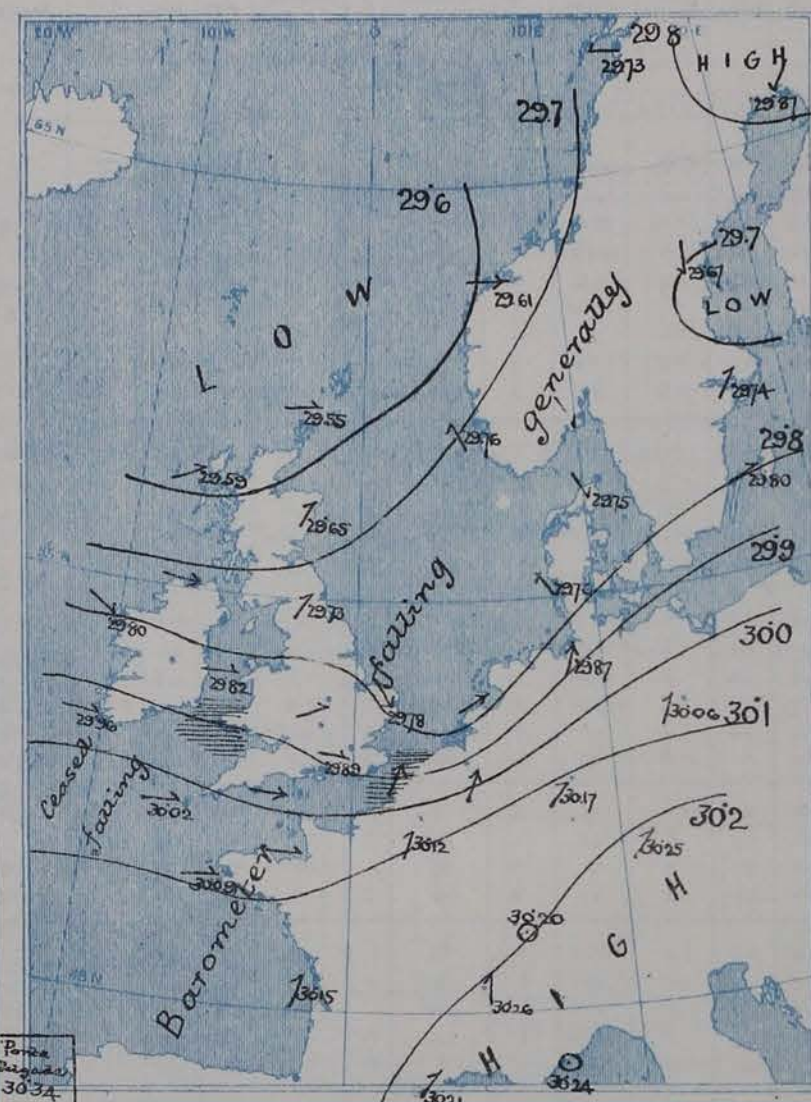
## I. BAROMETER, WIND AND SEA. *This Morning.*

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



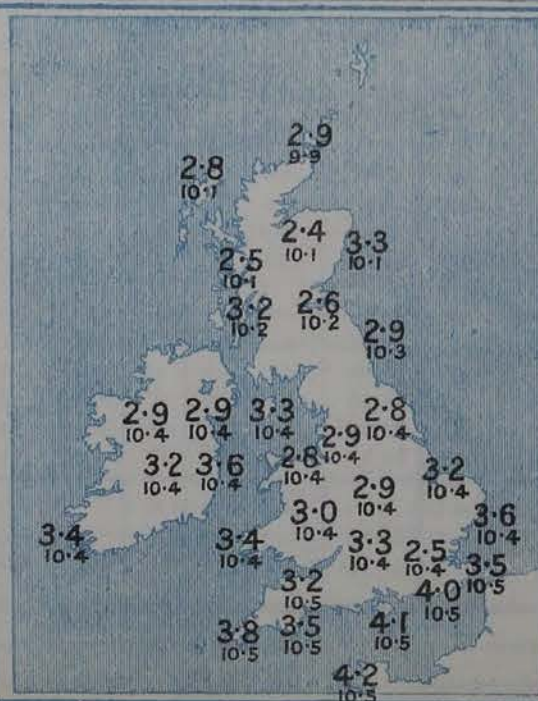
## III. BAROMETER AND WIND

*Yesterday morning.*



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

Specimen { Average No of } 2.8  
(for Stornaway) { Hours daily }  
{ Total Possible } 10.1



## V. Means of DAILY TEMPERATURE

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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Since yesterday the barometer has fallen in all parts of our area, but especially over Denmark and the southern half of Scandinavia, where the change exceeds 0.4 in. At the present time the readings range from 30.26 in. at Lyons to 29.55 in. at Lumburgh Head, but these considerable local irregularities in the distribution between the regions represented by these two stations.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind over our Islands and their immediate neighbourhood is mainly W<sup>ly</sup> in direction - light at the northern stations and fresh in the south-west and south. At Yarmouth it is fresh from N.W., at the Helder strong from S.W. In France and Germany it is light from S.W. to S. and over Scandinavia it is very variable. The weather is in a very changeable, unstable condition, showers falling in many places, while in others the sky is nearly clear. Temperature is changing rather fitfully, and ranges from 57° at Dungeness to 44° at Wick. Over England it is decidedly high for the time of year. The sea is rough in the Straits of Dover, and at Pembroke, moderate to slight elsewhere. Rain has fallen very generally over our Islands and to the eastward of the North Sea; at Pembroke, Scilly and Spurn H. the amounts have been large. The maximum temperatures exceeded 60° in many places and touched 63° at Jersey. The amount of bright sunshine was very small except at Jersey.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The conditions are indicative of a continuance of changeable showery weather, with varying W<sup>ly</sup> (N.W<sup>ly</sup> to S.W<sup>ly</sup>) winds very generally.

## FORECASTS \*

For the 24 hours ending at NOON on 15<sup>th</sup> October, 1902

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	W <sup>ly</sup> and N.W <sup>ly</sup> winds, light; cooler, changeable, occasional rain.	6 { SCOTLAND WEST	Varying N.W <sup>ly</sup> to S.W <sup>ly</sup> winds, moderate; rain at times, temporarily cooler.
1 { SCOTLAND EAST		7 { ENGLAND N.W.	
2 { ENGLAND N.E.		8 { ENGLAND S.W.	
3 { ENGLAND EAST	Varying W <sup>ly</sup> (N.W <sup>ly</sup> to S.W <sup>ly</sup> ) winds, moderate or light; changeable, some showers, bright intervals.	9 { IRELAND NORTH	None issued.
4 { MIDLAND COUNTIES		10 { IRELAND SOUTH	
5 { ENGLAND SOUTH		WARNINGS	

*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 ... ..	*	*	*	*	*	*	*	*	*	*	*	* c	60	54	2.3	0.02
Newton Reigny (Penrith) ...	29.92	50	SW 1	o	29.73 -28	48	47	-4	SW 1	cp	*	o.c	59	46	0.1	0.07
Bath ... ..	30.08	59	W 4	o	29.94 -25	53	51	-6	N 1	o	*	-	61	45	0.0	0.08

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.	STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	61	50	m, c	0.2	0.32	Worthing ... ..	*	*	*	1.0	*
Birmingham, 9 p.m. ...	59	49	*	0.0	0.25	Llandudno ... ..	*	*	*	0.0	*
Lowestoft, up to 6 p.m. ...	61	48	o	0.0	0.01	Rhyl up to 6 p.m. ...	*	*	*	0.0	*
Hastings ... ..	*	*	*	0.4	*	Southport, 9 p.m. ...	58	52	or	0.0	0.49
Eastbourne up to 6 p.m. ...	*	*	*	1.5	*	Manchester, 9 p.m. ...	63	52	r, u	0.0	0.54
Brighton ... ..	*	*	*	2.1	*	Darwen, 9 p.m. ...	57	48	r	0.0	0.73

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

STATIONS. 13. X. 02	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 12. X. 02	TEMPERATURE, F. at 1 p.m. °	WEATHER.	RAIN. (measured at 7 a.m.)
	Max. °	Min. °						
Marseilles ... ..	68	54	c bc	Ins.	Geneva ... ..	Information not yet recd.		Ins.
Utrecht ... ..	55	48	c o	—	Berne ... ..			
Copenhagen ... ..	50	39	c m	—	Lucerne ... ..			
Prague ... ..	63	45	o c	0.59	Lausanne ... ..			
Vienna ... ..	64	54	r c	0.16	Lugano ... ..			
Buda-Pesth ... ..	63	54	c o	0.79	Locarno ... ..			
St. Petersburg ... ..	39	32	r s	—				
Rome ... ..	73	59	o b	—				
Malta ... ..	79	72	? c	—				
Madeira (Funchal) <i>not recd.</i>								

## 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.

	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 ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.		

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

14. X. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6.19	11.39	4.59
Greenwich ... ..	6.24	11.46	5.8
Wick ... ..	6.48	11.58	5.8
Valencia ... ..	7.6	12.27	5.48

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.

† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on WEDNESDAY 15<sup>TH</sup> OCTOBER.

1902

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.	Rainfall.		
At 82° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)	At 82° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)	Weather.	Max.	Min.	Hours	Ins.						
Ins.				Ins.	Ins.	°	°														
SCANDINAVIA.	Haparanda ...	29.96	16	Z	0	b	29.99	+12	14	12	-1	N	2	b	*	-	27	14	*	-	
	Hernösand ...	29.70	36	Z	0	o	29.75	+08	34	32	-2	E	6	o	*	-	39	34	*	0.08	
	Stockholm ...	29.60	45	Z	0	o	29.37	-37	41	40	-5	ENE	8	+	*	-	50	41	*	0.59	
	Wisby ...	29.52	46	S	4	+	29.23	-57	44	42	-4	W	4	o	*	-	52	41	*	0.35	
	Karlstad ...	29.49	43	E	2	+	29.57	-19	41	39	0	N	2	o	*	+	*	*	*	0.55	
	Færder (X'ania Fjord)	29.51	43	N	2	o	29.88	+12	41	39	-1	NNE	2	c	2	-	43	41	*	-	
	Bodö ...	29.77	31	E	4	b	29.78	+05	30	26	-2	E	6	b	3	-	32	27	*	-	
	Christiansund ...	29.38	45	W	3	o	29.48	-13	45	44	-1	SSE	1	c	0	-	46	45	*	0.16	
	Skudesnaes ...	29.58	46	SSE	2	+	29.54	-22	48	47	+2	SSE	6	o	3	0.1	50	45	*	*	
	Sumburgh Head ...	29.47	48	W	2	c	29.17	-38	48	47	-1	SE	4	o	5	+	51	45	*	0.26	
Stornoway ...	29.53	49	W	3	o	28.78	-81	51	49	+4	S	7	+	8	cq, 10	57	46	6.9	0.75		
Malin Head ...	29.67	52	W	6	o	28.79	-92	51	51	-2	SW	9	opg	7	bc, 0	55	49	*	0.06		
Blacksod Pt. ...	29.70	51	SW	5	pm	29.07	-73	55	50	-1	W	10	opgpm	8	b, pm	57	53	*	0.44		
Valencia... ..	29.86	55	S	4	+	29.47	-49	56	51	+3	WSW	7	cp	6	c, r	58	50	4.7	0.64		
BRITISH ISLANDS.	Roche's Point ...	29.92	55	WSW	4	o	29.46	-48	54	52	+6	WSW	5	o	6	bc, 0.1	59	48	*	0.06	
	Parsonstown ...	29.83	52	SSW	2	o	29.32	-55	52	48	+5	SW	7	bcq	*	bc, p, 0	57	46	6.9	0.17	
	Donaghadee ...	29.86	52	WSW	2	bc	29.14	-63	52	49	+4	WSW	4	cq	3	-	57	47	*	0.10	
	Liverpool Obsy. ...	29.85	50	W	3	bc	29.34	-48	56	53	+5	SSW	6	o	4	p, bc	56	49	*	0.09	
	Holyhead ...	29.85	54	WSW	3	bc, m	29.35	-47	52	50	0	WSW	8	c	6	bc, bc, m	56	50	*	0.11	
	Pembroke (St. Ann's)	29.94	55	W	6	bc	29.47	-43	56	56	+2	SW	8	opg, m	7.6	-	61	52	7.8	0.04	
	Scilly (St. Mary's)...	30.01	56	WNW	4	o	29.68	-34	56	54	0	SSW	6	m	4	c, 0	58	53	8.2	-	
	Jersey (St. Aubins)...	30.09	57	W	5	bc, m	29.94	-11	57	54	+1	SSW	5	og	4	bc, bc, m	62	55	8.2	-	
	Portland Bill ...	30.00	56	NW	6	bc	29.78	-19	57	54	+2	SW	7	cq	6	bc	59	52	*	0.02	
	Dungeness ...	29.96	56	W	5	b	29.83	-11	57	56	0	W	7	og	4	bc	64	51	*	0.03	
GERMANY, &c.	Wick ... ..	29.53	47	W	2	bc	29.00	-60	50	48	+6	SE	7	+	4	-	58	42	*	0.18	
	Nairn ... ..	29.57	47	W	1	b	28.90	-73	51	49	+5	S	2	bc	1	-	58	42	*	0.05	
	Aberdeen ...	29.60	48	WSW	1	bc	29.04	-61	51	49	+4	S	5	cq	5	bc, 6	58	43	5.4	0.28	
	Leith ... ..	29.67	49	WSW	2	b	29.04	-64	55	50	+5	SSW	4	b	*	-	57	48	*	0.16	
	North Shields ...	29.72	52	WSW	2	bc, m	29.23	-50	52	50	+1	SSW	5	o	2	cr, bc, m	58	48	*	0.01	
	Spurn Head ...	29.78	52	WSW	4	b	29.57	-19	50	49	-2	S	6	c	3	-	54	48	*	-	
	Yarmouth ...	29.83	53	W	3	bc	29.71	-07	53	51	-1	SW	5	c	4	c, bc	62	46	*	0.06	
	Loughborough ...	29.88	49	W	1	b	29.57	-28	52	50	+2	SSW	6	opg	*	cp, 7.09	59	48	*	0.10	
	Oxford ... ..	29.95	50	WSW	2	o	29.68	-22	54	51	+2	SSW	4	og	*	p, 2.2, 0	59	49	*	0.03	
	London (Brixton)	29.93	52	WNW	2	b	29.75	-14	55	52	+1	WSW	4	c	*	p, 2.2, c, 6	60	47	2.7	0.04	
FRANCE.	The Scaw (Skagen)	29.44	45	NE	3	+	29.60	-15	45	43	-1	NW	3	c	1	-	50	43	*	0.43	
	Fanö ... ..	29.64	46	WNW	2	c	29.71	-05	50	49	-1	W	2	c	*	-	54	46	*	-	
	Cuxhaven ...	29.61	52	SW	5	o	29.81	-06	48	48	-3	SW	4	o	*	-	55	48	*	0.04	
	The Helder ...	29.77	55	WSW	3	bc	29.78	-01	54	51	-1	SW	3	o	3	-	55	52	*	0.04	
	Brussels... ..	*	*	*	*	*	29.97	-03	50	48	-2	S	5	c	*	-	54	46	*	0.08	
	Berlin ... ..	29.82	52	SSW	1	o	29.86	-20	51	49	+4	W	2	o	*	-	57	47	*	0.04	
	Frankfurt ...	29.97	54	SW	2	+	30.06	-11	49	47	+2	SW	2	b	*	-	61	47	*	0.04	
	Munich ... ..	30.06	53	W	5	o	30.17	-08	48	48	+2	W	6	o	*	-	63	46	*	0.12	
	C. Gris Nez ...	29.97	57	W	5	bc	29.89	-05	56	54	+1	SW	6	o	6	-	70	54	*	0.08	
	Brest ... ..	30.13	56	NW	3	o	29.95	-14	59	57	+4	WSW	5	o	4	-	61	55	*	0.16	
SPAN. PEN.	Lorient ... ..	30.17	58	WNW	4	bc	30.02	-08	59	59	0	SW	5	o	5	-	63	55	*	-	
	Rochefort ...	30.15	60	WNW	4	c	30.11	-04	57	56	+3	SW	3	c	*	+	63	52	*	-	
	Biarritz ... ..	30.26	62	WSW	4	b	30.20	-01	56	56	+1	SE	2	b	3	-	64	52	*	0.28	
	Paris ... ..	30.08	53	W	3	b	30.10	-02	45	44	-1	S	3	o	*	-	55	43	*	0.12	
	Belfort ... ..	30.03	53	WSW	3	o	30.14	-06	49	48	+3	WSW	4	o	*	-	62	46	*	0.04	
	Lyons ... ..	30.13	60	N	1	o	30.26	00	51	49	+4	NW	1	b	*	-	69	50	*	-	
	Nice ... ..	?	67	ENE	3	c	30.07	-17	57	50	-4	Z	0	b	1	-	72	50	*	0.08	
	Perpignan ...	30.17	60	Z	0	o	30.20	-01	48	46	-2	WSW	1	b	*	-	72	47	*	-	
	Corunna ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Lisbon ... ..	30.22	59	NNW	4	b	30.23	-02	52	52	-6	N	2	f	*	-	70	52	*	-	
Azores (P. Delgada)	30.28	63	N	*	b	30.21	-13	62	60	-1	N	1	c	2	-	72	61	*	-		

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, 15<sup>TH</sup> OCTOBER, 1902.

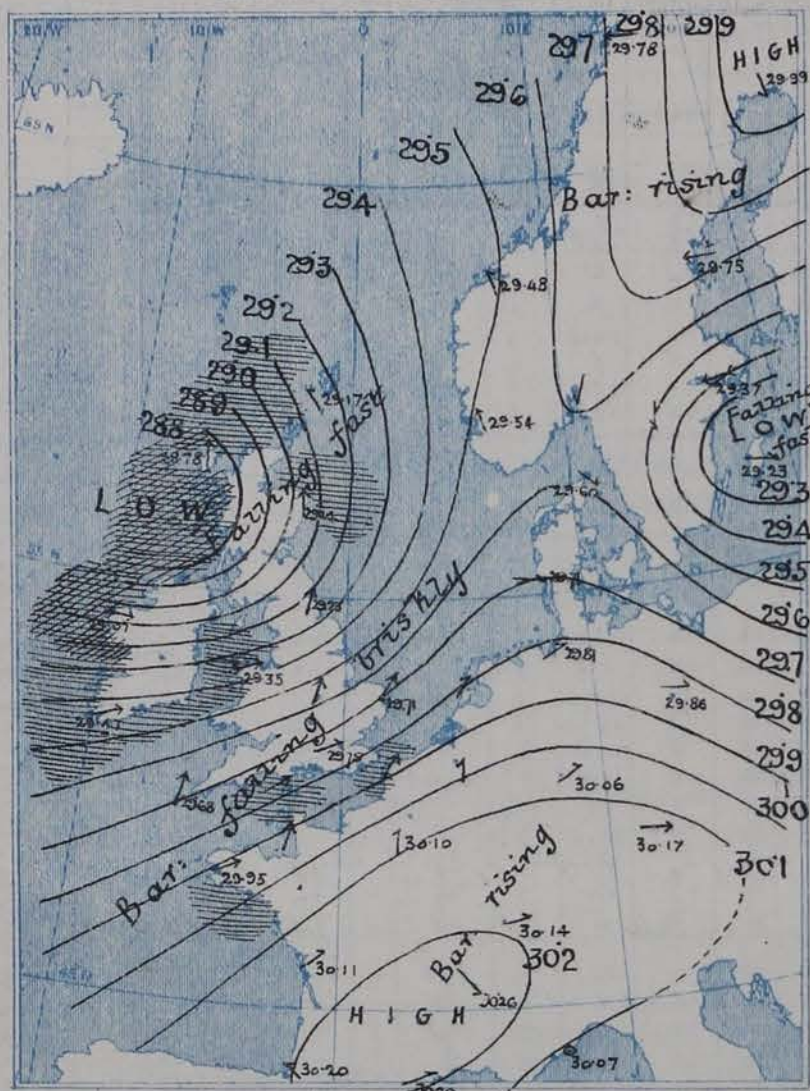
## I. BAROMETER, WIND AND SEA. This Morning.

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 

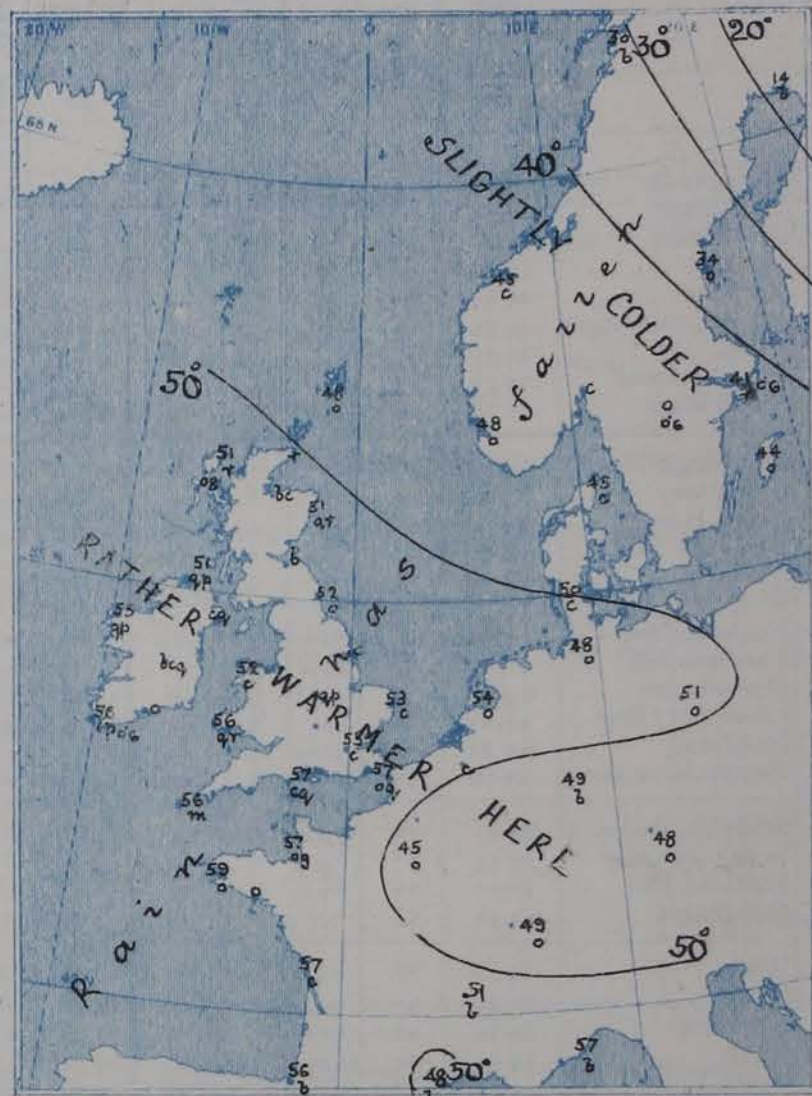


## II. TEMPERATURE AND WEATHER. This Morning.

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



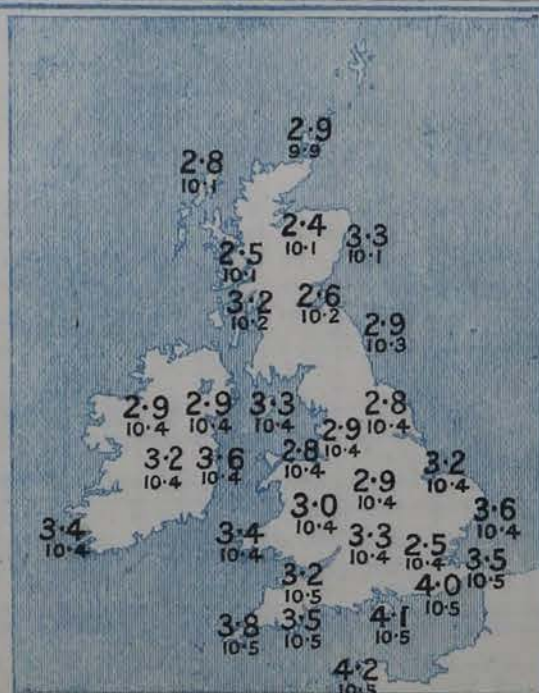
## III. BAROMETER AND WIND

Yesterday morning.



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

Specimen (for Stornaway) { Average N° of Hours daily } 2.8  
{ Total Possible } 10.1



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

OCTOBER. (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

During the past night a depression of great size and considerable depth has reached the west of Scotland from the south-westward; at Malin Head the barometer has fallen 0.9 in. and the readings this morning vary from 30.20 in. at Biarritz and 30.17 in. at Munich, to 28.79 in. at Malin Head and 28.78 in. at Stornoway. The gradients are very steep over Scotland and the north of Ireland.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind has increased to a strong gale in the north of Ireland and a fresh gale on the Welsh coasts and at Penzance; it is strong and increasing in the English Channel, and fresh to strong on our east and north-east coasts. Over the southern parts of France and in Germany it is still light. Temperature has risen somewhat in many places, most in the north, and ranges from 57° at Portland and Dungeness to 50° at Wick and 48° at Dumburgh Head. These values are all rather above the average.

The weather is dull over Germany and France, and rainy and squally in many parts of the British Islands, especially in the north and west, but fair over Scandinavia; it is very unsettled everywhere. The sea is very high in the north-west, rough in the west and south.

During mid-day yesterday, thunder and lightning occurred in the centre and south-east of England, and in the course of the 24 hrs. rain has fallen very generally over the British Islands—most in the west and north-west. Temperature to 64° at Dungeness and to 61° at Pembroke. Bright sunshine exceeded 8 hrs. at Scilly and Jersey and was considerable on our south coasts generally. Lunar halos were seen over England.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Rough winds are probable from S.W. and W. all over the country and blowing a gale in most places, with rain squalls, but bright intervals.

## FORECASTS \*

For the 24 hours ending at NOON on 16<sup>th</sup> October, 1902

### DISTRICTS.

### FORECASTS.

0  $\pi$  { SCOTLAND,  
NORTH

1  $\pi$  { SCOTLAND  
EAST

2  $\pi$  { ENGLAND  
N.E.

3 { ENGLAND  
EAST

4 { MIDLAND  
COUNTIES

5  $\pi$  { ENGLAND  
SOUTH

S<sup>W</sup> and S.W<sup>W</sup> gales and strong winds;  
squally; rainy, changeable.

S.W<sup>W</sup> winds, strong and squally;  
rainy, unsettled.

S.W<sup>W</sup> gales; rainy, squally.

### DISTRICTS.

### FORECASTS.

6  $\pi$  { SCOTLAND  
WEST

7  $\pi$  { ENGLAND  
N.W.

8  $\pi$  { ENGLAND  
S.W.

9  $\pi$  { IRELAND  
NORTH

10  $\pi$  { IRELAND  
SOUTH

Same as Nos. 0 to 2.

Same as No. 5.

W<sup>W</sup> gales, moderating and backing,  
squally, showers, bright intervals.

### WARNINGS

At 7.20 p.m. yesterday to districts 9 and 10  
and at 10 a.m. to-day to districts 0 to 2  
and 5 to 8 'Hoist South Cone'.

*Note.*—The South Cone, point downwards ( $\pi$ ), 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.	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 ... ..	*	*	*	*	*	*	*	*	*	c	*	c, b	61	47	4.8	0.01
Newton Reigny (Penrith) ...	29.74	49	SW 3	c	29.23 -50	50	48	+2	SW 9	ty	*	cp, og†	54	46	4.0	0.42
Bath ... ..	29.97	53	W 1	o	29.70 -24	56	52	+3	S 6	o	*	-	60	50	5.0	0.16

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.	STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	57	48	c, o, b	2.8	0.32	Worthing ... ..	*	*	*	5.7	*
Birmingham, 9 p.m. ...	56	47	b	3.8	0.46	Llandudno ... ..	*	*	*	4.4	*
Lowestoft, up to 6 p.m. ...	60	48	b	2.7	0.05	Rhyl up to 6 p.m. ...	*	*	*	2.8	*
Hastings ... ..	*	*	*	5.8	*	Southport, 9 p.m. ...	56	51	c, cp, o, b	3.5	0.22
Eastbourne up to 6 p.m. ...	*	*	*	5.5	*	Manchester, 9 p.m. ...	62	47	c, b, p	0.7	0.73
Brighton ... ..	*	*	*	5.3	*	Darwen, 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.
	Max.	Min.				at 1 p.m.	°		
14. X. 02					13. X. 02				
Marseilles ... ..	75	52	b c	Ins.	Geneva ... ..	61		b	Ins.
Utrecht ... ..	57	46	c c	—	Berne ... ..	55		o	0.16
Copenhagen ... ..	50	45	n r	0.12	Lucerne ... ..	57		bc	0.71
Prague ... ..	55	43	o m	—	Lausanne ... ..	63		b	—
Vienna ... ..	57	41	o b	—	Lugano ... ..	68		b	—
Buda-Pesth ... ..	61	43	b b	—	Locarno ... ..	64		bc	—
St. Petersburg ... ..	37	25	o o	—					
Rome ... ..	73	55	b o	—					
Malta ... ..	75	73	? o	0.04					
Madeira (Funchal) <i>not recd.</i>									

## 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.

	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, Holland ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon)	8.36 a.m.		

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

15. X. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6.21	11.39	4.57
Greenwich ... ..	6.26	11.46	5.6
Wick ... ..	6.50	11.58	5.6
Valencia ... ..	7.8	12.27	5.46

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.

† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on

THURSDAY 16<sup>TH</sup> OCTOBER

1902

Issued by the Meteorological Office, 63, Victoria Street, London. W. H. 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 5 <sup>30</sup> and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)	At 5 <sup>30</sup> Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)	Weather.	Max.	Min.	Sun- shine. Hours	Rainfall. Ins.						
Ins.	Ins.	°	°	Ins.	Ins.	°	°	Ins.	Ins.	°	°	Ins.	Ins.	°	°	Ins.	Ins.				
SCANDINAVIA.	Haparanda ...																				
	Hernösand ...	29.87	33	E	4	c	29.76	+01	31	29	-3	E	2	0	*	-	37	31	*	-	
	Stockholm ...	29.75	35	N	6	o	29.63	+26	37	37	-4	SE	4	0	*	-	45	32	*	0.28	
	Wisby ...	29.72	40	NNW	8	o	29.60	+37	41	40	-3	SSE	4	0	*	-	48	36	*	-	
	Karlstad ...	29.73	40	SE	4	o	29.37	+20	37	37	-4	SE	6	+	*	0.5, t	*	*	*	0.35	
	Færder (X'ania Fjord) ...	29.57	44	SE	6	+	29.13	-75	50	49	+9	S	2	m	4	-	50	41	*	0.47	
	Bodö ...	29.68	30	E	4	b	29.63	-15	29	26	-1	E	5	b	2	-	32	28	*	-	
BRITISH ISLANDS.	Christiansund ...	29.71	49	ESE	6	c	29.12	-36	47	39	+2	E	7	c	4	-	49	45	*	-	
	Skudesnaes ...	29.15	48	SSE	9	+	28.93	-61	51	49	+3	SSE	8	0	6	0, t	51	46	*	*	
	Sumburgh Head ...	28.72	49	SE	3	+	28.72	-45	49	48	+1	ENE	2	+	5	t, o, t	50	45	*	0.41	
	Stornoway ...	28.64	48	NNE	1	cq	29.07	+29	45	44	-6	N	3	+	3	o, t, cq	55	44	0.5	1.63	
	Malin Head ...	28.78	51	W	9	rq	29.35	+56	49	47	-2	NW	9	c	6	o, t, q	52	45	*	0.47	
	Blacksod Pt. ...	29.17	52	W	8	+	29.66	+59	48	44	-7	NW	6	b, c, q, m	6	t, q, m	57	45	*	0.35	
	Valencia ...	29.47	55	W	7	c	29.77	+30	51	45	-5	NNW	6	b, c, q, p	6	c, q	57	47	4.4	0.17	
GERMANY, &c.	Roche's Point ...	29.45	52	WNW	5	b, c	29.68	+22	50	47	-4	NNW	6	cq	5	c, b, c	58	48	*	-	
	Parsonstown ...	29.29	51	W	7	cq, p	29.62	+30	44	41	-8	W	4	b	*	cq, p	55	43	6.5	0.13	
	Donaghadee ...	28.98	53	W	7	o	29.36	+22	47	45	-5	NW	4	c	3	-	57	46	*	0.17	
	Liverpool Obsy. ...	29.25	53	WSW	7	b	29.37	+03	50	46	-6	W	7	b, c, p	5	b, p	58	48	*	0.13	
	Holyhead ...	29.25	54	WSW	8	cq	29.43	+08	50	47	-2	WNW	8	cq, p	6	c, c, q	57	47	*	0.07	
	Pembroke (St. Ann's) ...	29.42	55	WSW	7	cq	29.56	+09	52	49	-4	NW	6	cq, p	6	cq	59	52	2.0	0.10	
	Scilly (St. Mary's) ...	29.59	56	W	6	rq	29.64	-04	54	52	-2	WNW	5	o	7.5	o, t, q	58	52	0.0	0.38	
FRANCE.	Jersey (St. Aubins) ...	29.71	60	SW	7	om	29.70	-24	57	51	0	W	7	b, c, m	5	c, o, m, t	62	54	0.2	0.46	
	Portland Bill ...	29.57	55	W	8	aq	29.58	-20	54	50	-3	WNW	8	b, c, q	6	q, t, q	59	49	*	0.66	
	Dungeness ...	29.58	57	WSW	8	aq	29.51	-32	55	53	-2	W	7	b, c	5	o, o, q	59	51	*	0.35	
	Wick ...	28.60	50	W	4	b, c	28.79	-21	50	48	0	NW	6	+	4	-	55	45	*	0.25	
	Nairn ...	28.59	49	Z	0	+	28.95	+05	49	46	-2	WNW	5	o	3	-	57	46	*	0.28	
	Aberdeen ...	28.70	51	SSW	6	cq	28.89	-15	48	45	-3	W	5	cq	3	c, c, q, t	56	47	3.6	0.03	
	Leith ...	28.88	51	SW	5	o	29.08	+04	50	46	-5	SSW	5	b	*	-	57	47	*	0.09	
SPAN. PEN.	North Shields ...	29.04	52	SW	5	b	29.12	-11	50	47	-2	SW	4	b	2	b, c, p	59	49	*	0.01	
	Spurn Head ...	29.27	50	SSW	6	b	29.21	-36	52	48	+2	WSW	7	b, c, q	5	-	56	48	*	0.08	
	Yarmouth ...	29.45	57	WSW	5	+	29.32	-39	51	48	-2	WSW	5	cq	4	c, t	59	47	*	0.14	
	Loughborough ...	29.37	52	SW	4	b	29.39	-18	50	46	-2	WNW	4	b, c, q	*	o, p, b, q, c	57	48	*	0.11	
	Oxford ...	29.46	51	WSW	5	b, m	29.49	-19	50	47	-4	SW	3	b, c	*	t, t, s, m	58	48	*	0.16	
	London (Brixton) ...	29.52	51	WNW	2	c	29.50	-25	51	49	-4	W	4	b	*	q, c, p, b	60	48	0.0	0.39	
	The Scaw (Skagen) ...	29.49	48	SSE	4	+	29.17	-43	50	49	+5	SW	4	m	1	-	52	45	*	0.87	
GERMANY, &c.	Fanö ...	29.41	51	S	6	c	29.22	-49	51	50	+1	SSW	6	c	*	-	54	50	*	0.67	
	Cuxhaven ...	29.67	53	SSW	5	o	29.34	-47	50	49	+2	S	5	o	*	o, t	54	48	*	0.32	
	The Helder ...	29.48	54	SW	7	+	29.29	-49	54	50	0	SW	6	o	6	-	55	52	*	0.28	
	Brussels ...	*	*	*	*	*	29.58	-39	52	50	+2	SW	6	b, c	*	-	56	49	*	0.20	
	Berlin ...	29.86	50	SSW	2	c	29.62	-24	52	49	+1	SSW	3	o	*	-	55	48	*	-	
	Frankfurt ...	29.90	55	SW	4	b	29.69	-37	54	50	+5	SW	6	o	*	-	61	49	*	-	
	Munich ...	30.06	47	SW	3	b	29.93	-24	46	45	-2	SE	2	o	*	-	55	43	*	-	
FRANCE.	C. Gris Nez ...	29.63	57	SW	8	+	29.54	-35	55	52	-1	WSW	8	o	8	-	59	50	*	1.02	
	Brest ...	29.74	58	SW	6	+	29.76	-19	57	52	-2	W	5	o	5	-	59	55	*	0.16	
	Lorient ...	29.82	59	WSW	6	o	29.82	-20	56	?	-3	NW	6	o	5	-	64	54	*	0.79	
	Rocheport ...	30.00	61	SW	4	+	29.89	-22	57	56	0	WNW	5	+	*	c, t	63	55	*	0.63	
	Biarritz ...	30.12	62	W	2	o	30.06	-14	60	56	+4	S	3	o	3	-	68	56	*	-	
	Paris ...	29.90	56	SSW	5	o	29.74	-36	49	48	+4	WSW	3	b, c	*	-	58	45	*	0.16	
	Belfort ...	30.02	51	WSW	5	m	29.76	-38	53	49	+4	WSW	5	o	*	-	61	47	*	-	
SPAN. PEN.	Lyons ...	30.08	56	SE	1	o	30.01	-25	54	52	+3	S	1	+	*	-	65	51	*	-	
	Nice ...	30.08	58	E	1	b	30.06	-01	53	51	-4	Z	0	c	1	-	68	52	*	-	
	Perpignan ...	30.08	56	Z	0	b	30.02	-18	49	48	+1	SW	1	o	*	-	72	45	*	-	
SPAN. PEN.	Corunna ...																				
	Lisbon ...	30.18	59	NNW	4	b	30.21	-02	59	54	+7	NNW	3	b	*	-	66	?	*	-	
	Azores (P. Delgada) ...																				

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, 16<sup>th</sup> October, 1902.*

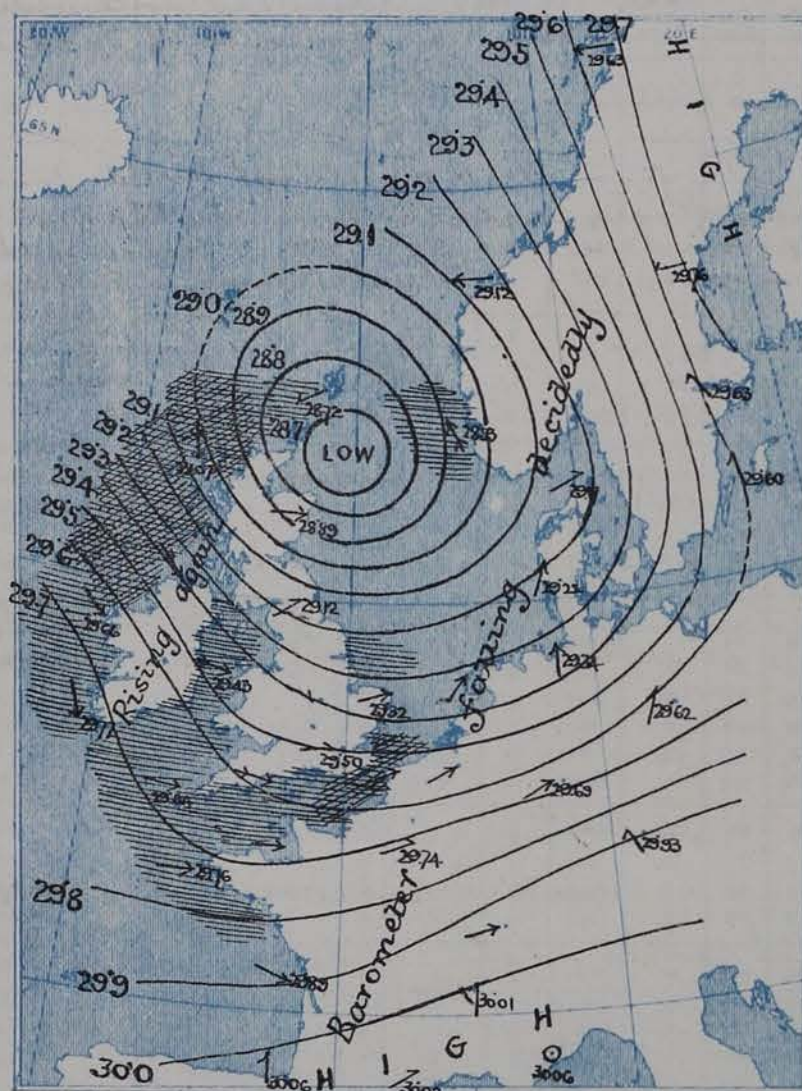
## I. BAROMETER, WIND AND SEA. *This Morning.*

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

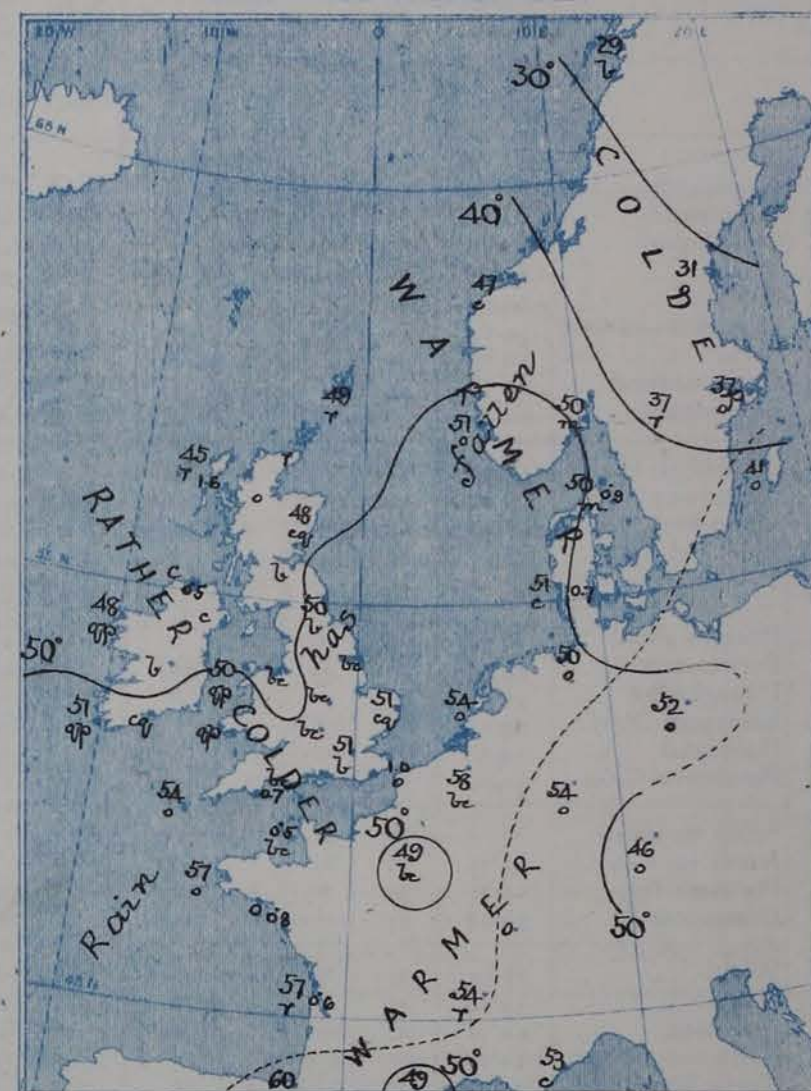


## II. TEMPERATURE AND WEATHER. *This Morning.*

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



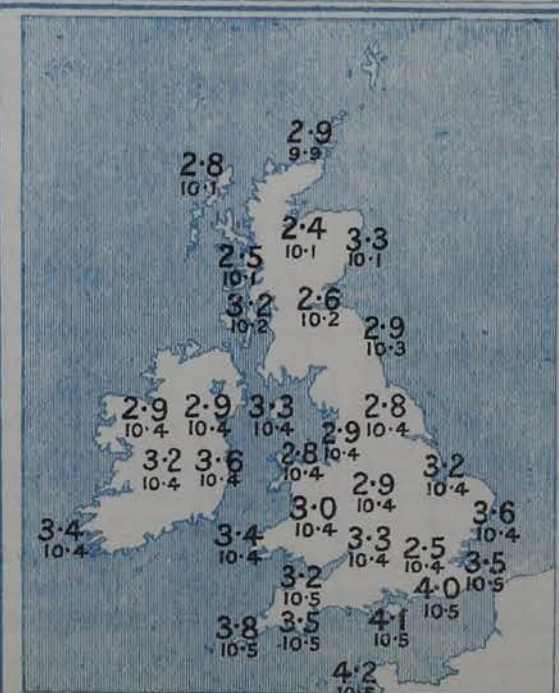
## III. BAROMETER AND WIND

*Yesterday morning.*



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

Specimen { Average No of } 2.8  
(for Stornaway) { Hours daily }  
{ Total Possible } 10.1



## V. Means of DAILY TEMPERATURE

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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The centre of the deep depression which reached the west of Scotland yesterday has moved eastwards and now lies some miles to the eastward of Wick; the barometer is rising fast at our western and north-western stations and readings range from 30.06 in. in the south of France to 28.72 in. at Lumburgh Head.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is strong to a gale from N at Lumburgh Head, from NW. on our north-western coasts, W<sup>ly</sup> over England and the Channel, S<sup>ly</sup> on the eastern shores of the North Sea, and S.E.<sup>ly</sup> to E.<sup>ly</sup> in Norway; in the southern parts of France it is moderate. Temperature is falling over our Islands, but has risen on the Continent; it now ranges from 55° at Dungeness to 45° at Stornoway; in the north-western parts of the country it is now below the average. The weather, though temporarily clear in some localities, is very squally and showery generally. The sea is high in the north, very rough in the west and south, and moderate off our east coasts. The gale of yesterday was experienced very generally, but except at a few north-western stations it does not seem to have been very severe.

Temperature rose yesterday to 60° in London, to 62° at Jersey and to from 55° to 59° in the other parts of the Kingdom. Rain fell very generally in some places heavily (1.63 in. at Stornoway). There were 6½ hours of bright sunshine, and from 4 to 5 hours at several of the north-western stations; elsewhere there was little or none.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Squally, showery weather and N.W.<sup>ly</sup> winds are likely to prevail generally to-day, but to moderate later, with a finer cooler night.

## FORECASTS \*

For the 24 hours ending at NOON on 17<sup>th</sup> October, 1902

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 $\nabla$ { SCOTLAND. NORTH	N.W. <sup>ly</sup> or W. <sup>ly</sup> gales and strong winds, squally; moderating later with finer weather; colder.	6 $\nabla$ { SCOTLAND WEST	Same as Nos. 0 to 2.
1 $\nabla$ { SCOTLAND EAST		7 $\nabla$ { ENGLAND N.W.	
2 $\nabla$ { ENGLAND N.E.		8 $\nabla$ { ENGLAND S.W.	Very strong and squally N.W. <sup>ly</sup> winds, moderating later and perhaps backing; colder, showery, clear intervals.
3 $\nabla$ { ENGLAND EAST	W. <sup>ly</sup> to N.W. <sup>ly</sup> gales, squally; showery, moderating later, clearer, colder.	9 $\nabla$ { IRELAND NORTH	
4 { MIDLAND COUNTIES		10 $\nabla$ { IRELAND SOUTH	
5 $\nabla$ { ENGLAND SOUTH		WARNINGS	The South Cone is flying on all 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. 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, o	58	49	1.3	0.16
Newton Reigny (Penrith)	29.06	49	SW 8	r	29.20	-.03	47	45	-3	W 6	c	*	o, p, c	55	46	1.8	0.58
Bath ... ..	29.49	64	N 3	o	29.52	-.18	50	48	-6	NE 2	o	*	-	60	49	0.0	0.27

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	57	46	o, c, b, c	4.5	0.25	Worthing ... ..	*	*	*	0.1	*
Birmingham, 9 p.m. ...	55	47	c	1.0	0.13	Llandudno ... ..	*	*	*	4.5	*
Lowestoft, up to 6 p.m. ...	*	*	*	*	*	Rhyl up to 6 p.m. ...	*	*	*	4.8	*
Hastings ... ..	*	*	*	0.8	*	Southport, 9 p.m. ...	58	48	o, p, c, b, o	5.0	0.09
Eastbourne up to 6 p.m. ...	*	*	*	0.4	*	Manchester, 9 p.m. ...	62	45	b	2.8	0.23
Brighton ... ..	*	*	*	0.3	*	Darwen, 9 p.m. ...	57	43	ou	4.1	0.44

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

STATIONS. 15. X. 02	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. 14. X. 02	TEMPERATURE, F. at 1 p.m.		WEATHER. 1 p.m.	RAIN. (measured at 7 a.m.)
	Max. °	Min. °				°	°		
Marseilles ... ..	73	52	c b	Ins.	Geneva ... ..	61		o	Ins.
Utrecht ... ..	55	48	o o	0.12	Berne ... ..	55		o	-
Copenhagen ... ..	54	45	o c	0.04	Lucerne ... ..	57		o	-
Prague ... ..	61	48	c c	0.04	Lausanne ... ..	57		bc	-
Vienna ... ..	63	50	c c	0.08	Lugano ... ..	63		o	-
Buda-Pesth ... ..	54	48	c o	-	Locarno ... ..	63		bc	-
St. Petersburg ... ..	46	32	r o	0.28					
Rome ... ..	72	56	r c	0.12					
Malta ... ..	77	73	? c	-					
Madeira (Funchal) ... ..	73	55	b 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.

	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 ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.		

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

16. X. 02, 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6.22	11.39	4.55
Greenwich ... ..	6.27	11.46	5.4
Wick ... ..	6.52	11.58	5.3
Valencia ... ..	7.9	12.27	5.44

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.

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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.

† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on

FRIDAY 17<sup>th</sup> OCTOBER

1902

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.		
				Dirac.	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.				
																				At 32° and M. S. L.	Dry Bulb.
Ins.		Ins.	Ins.	°	°	°	Ins.	Ins.	°	°	°	Ins.	Ins.	°	°	°	°	°	°		
SCANDINAVIA.	Haparanda ...	29.72	19	Z	0	6	29.65		11	10		Z	0	c	*	-	30	10	*	-	
	Hernösand ...	29.47	33	E	6	S	29.36	-40	32	32	+1	NE	2	S	*	-	41	28	*	0.35	
	Stockholm ...	29.30	46	Z	0	0	29.24	-39	46	46	+9	S	2	0	*	-	46	30	*	0.87	
	Wisby ...	29.31	47	S	6	bc	29.32	-28	48	47	+7	SSW	4	0	*	-	48	32	*	0.63	
	Karlstad ...	29.12	46	SE	4	+	29.12	-25	47	46	+10	S	2	+	*	+	*	*	*	0.51	
	Færder (X'ania Fjord) ...	28.99	50	SSW	5	+	28.99	-14	48	47	-2	SSW	5	c	4	-	50	41	*	0.75	
	Bodö ...	29.53	31	E	4	6	29.45	-18	30	27	+1	E	2	6	2	-	32	28	*	-	
	Christiansund ...	29.11	41	E	4	6	29.12	00	40	37	-7	E	1	bc	3	-	50	37	*	-	
	Skudesnaes ...	28.88	44	N	6	0	29.06	+13	42	42	-9	NNW	2	c	3	40	50	39	*	-	
BRITISH ISLANDS.	Sumburgh Head ...	29.06	48	NE	3	0	29.35	+63	43	40	-6	N	5	6	5	51	41	*	0.08		
	Stornoway ...	29.44	45	NNW	8	+	29.64	+57	44	43	-1	NNW	4	+	5	54	42	4.5	0.88		
	Malin Head ...	29.54	48	NW	8	bcap	29.72	+37	48	47	-1	NW	6	bcap	5	50	45	*	0.15		
	Blacksod Pt. ...	29.79	50	NW	6	cpqm	29.84	+18	49	47	+1	NW	2	cm	2	57	36	*	0.05		
	Valencia ...	29.94	55	NW	5	cp	29.93	+16	54	52	+3	WSW	3	og	4	55	48	6.0	0.14		
	Roche's Point ...	29.86	51	NW	4	bc	29.92	+24	50	48	0	WNW	2	c	1	54	48	*	0.02		
	Parsonstown ...	29.79	48	W	2	c	29.88	+26	44	42	0	W	1	c	*	53	43	7.8	0.01		
	Donaghadee ...	29.55	47	NW	6	c	29.72	+36	45	45	-2	WNW	4	ogq	4	51	44	*	0.07		
	Liverpool Obsy. ...	29.53	47	WNW	8	c	29.67	+30	49	45	-1	WNW	7	6	5	51	47	*	0.03		
	Holyhead ...	29.61	49	WNW	8	bcap	29.75	+32	48	46	-2	NW	8	bc	6	51	46	*	0.04		
	Pembroke (St. Ann's) ...	29.74	52	NW	6	c	29.84	+28	50	46	-2	NW	5	bcq	5	53	45	5.6	0.02		
	Scilly (St. Mary's) ...	29.86	54	NW	6	0	29.92	+28	54	52	0	NW	6	og	5	56	51	7.3	0.08		
	Jersey (St. Aubins) ...	29.77	54	WNW	5	cp	29.89	+19	51	48	-6	WNW	4	bcp	3	59	48	2.6	0.52		
	Portland Bill ...	29.69	51	WNW	8	bcq	29.81	+23	50	46	-4	NW	7	c	6	55	44	*	-		
	Dungeness ...	29.58	50	WNW	3	c	29.72	+21	47	45	-8	WNW	6	6	4	61	42	*	-		
GERMANY, &c.	Wick ...	29.10	48	NW	5	0	29.48	+69	45	42	-5	N	3	0	3	52	42	*	0.10		
	Nairn ...	29.21	47	WNW	5	0	29.56	+61	45	43	-4	WNW	4	c	2	50	43	*	0.21		
	Aberdeen ...	29.09	46	WNW	8	cp	29.49	+60	45	42	-3	NW	4	cp	3	52	44	3.3	0.20		
	Leith ...	29.26	49	WSW	4	6	29.58	+50	48	44	-2	W	3	6	*	56	43	*	0.05		
	North Shields ...	29.28	48	W	3	6	29.56	+44	45	43	-5	W	2	c	2	55	44	*	0.07		
	Spurn Head ...	29.31	51	W	7	bc	29.52	+31	48	46	-4	WNW	6	cpw	4	54	45	*	0.02		
	Yarmouth ...	29.45	51	W	5	bc	29.53	+21	46	44	-5	W	5	cg	5	55	42	*	-		
	Loughborough ...	29.53	46	WNW	6	6	29.66	+27	45	44	-5	WNW	5	cp	*	53	42	*	0.02		
	Oxford ...	29.65	44	WSW	3	6	29.74	+25	44	41	-6	WSW	3	6	*	55	40	*	-		
	London (Brixton) ...	29.60	48	NNW	3	6	29.72	+22	44	41	-7	WSW	3	6	*	57	40	3.5	-		
FRANCE.	The Scaw (Skagen) ...	29.10	50	SW	3	c	29.07	-10	49	48	-1	SW	3	c	1	52	48	*	0.04		
	Fanö ...	29.23	50	SSW	5	6	29.22	00	50	48	-1	SSW	4	c	*	54	48	*	0.35		
	Cuxhaven ...	29.36	52	SW	6	c	29.38	+04	45	44	-5	SW	5	c	*	54	45	*	-		
	The Helder ...	29.38	53	W	6	c	29.41	+12	50	48	-4	W	5	+	6	55	48	*	0.08		
	Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	
	Berlin ...	29.54	51	SSW	2	0	29.57	-05	47	46	-5	SSW	2	0	*	59	45	*	-		
	Frankfurt ...	29.68	60	SW	4	0	29.68	-01	47	45	-7	WSW	2	c	*	60	46	*	0.16		
	Munich ...	29.82	50	W	4	+	29.80	-13	44	43	-2	SE	4	+	*	59	43	*	0.16		
	C. Gris Nez ...	29.62	55	W	5	0	29.71	+17	47	44	-8	WNW	6	6	6	59	46	*	-		
	Brest ...	29.91	50	NW	5	6	30.00	+24	55	52	-2	NW	5	c	5	57	50	*	0.04		
SPAN. PEN.	Lorient ...	29.90	53	NW	6	0	30.01	+19	55	55	-1	WNW	6	0	7	61	50	*	0.04		
	Rochefort ...	29.90	55	NW	6	c	30.04	+15	55	55	-2	WNW	5	c	*	63	52	*	0.20		
	Biarritz ...	30.12	61	WNW	5	c	30.18	+12	59	53	-1	NW	4	bc	5	61	52	*	0.12		
	Paris ...	29.74	49	W	3	0	29.86	+12	43	43	-6	SW	3	c	*	60	42	*	0.20		
	Belfort ...	29.82	45	WSW	5	0	29.85	+09	42	41	-11	WSW	6	c	*	56	42	*	0.32		
	Lyons ...	29.91	51	NW	1	+	30.04	+03	47	44	-7	N	1	6	*	55	42	*	0.35		
	Nice ...	29.54	58	SW	1	0	29.62	-44	57	48	+4	E	3	6	*	68	52	*	-		
Perpignan ...	29.95	59	Z	0	0	30.04	+02	54	47	+5	NW	4	6	*	66	49	*	0.04			
SPAN. PEN.	Corunna ...	30.21	61	NNW	3	6	30.24	+03	58	53	-1	NNW	4	0	*	86	55	*	-		
	Lisbon ...	30.21	68	ESE	4	6	30.23	+09	68	65	+1	SE	4	bc	3	73	66	*	-		

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, 17<sup>th</sup> October, 1902.*

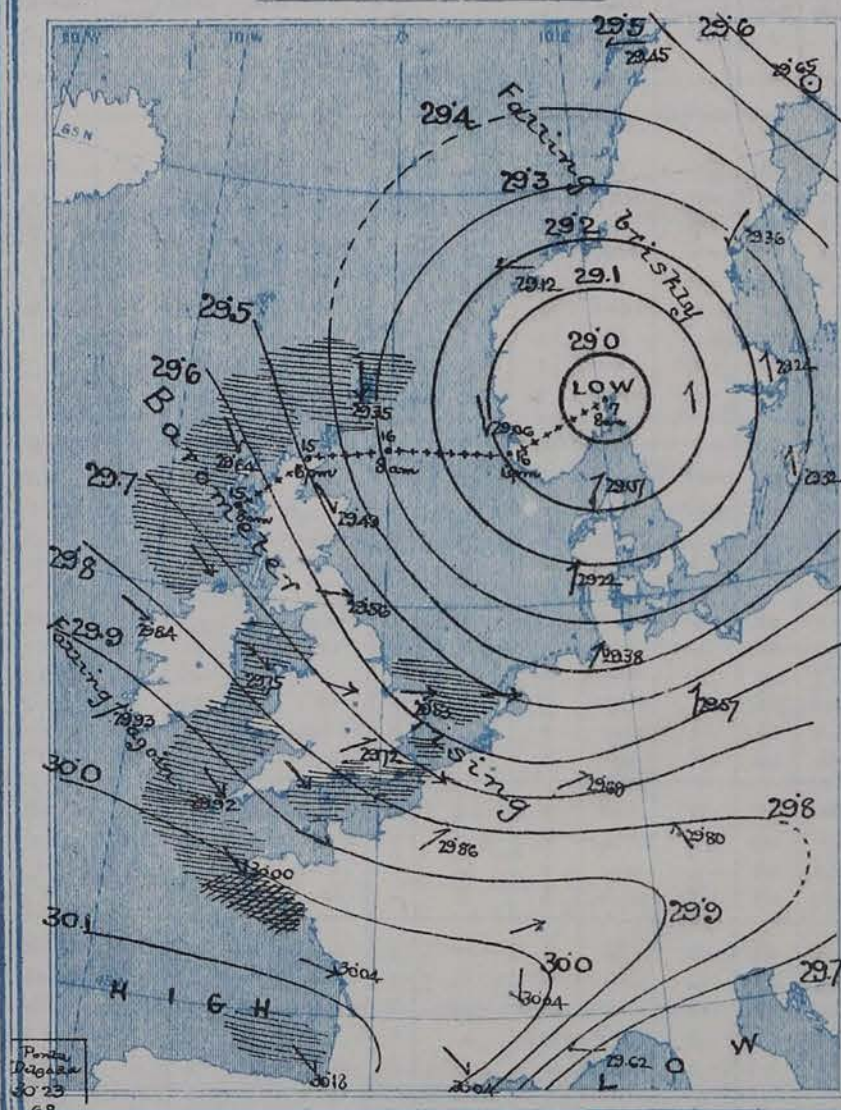
## I. BAROMETER, WIND AND SEA. *This Morning.*

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

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

Force above 10  $\rightarrow$  : Force 5 to 7  $\rightarrow$  : } Calm  $\odot$   
Force 8 to 10  $\rightarrow$  : Force 1 to 4  $\rightarrow$  :

SEA.—Rough  High 

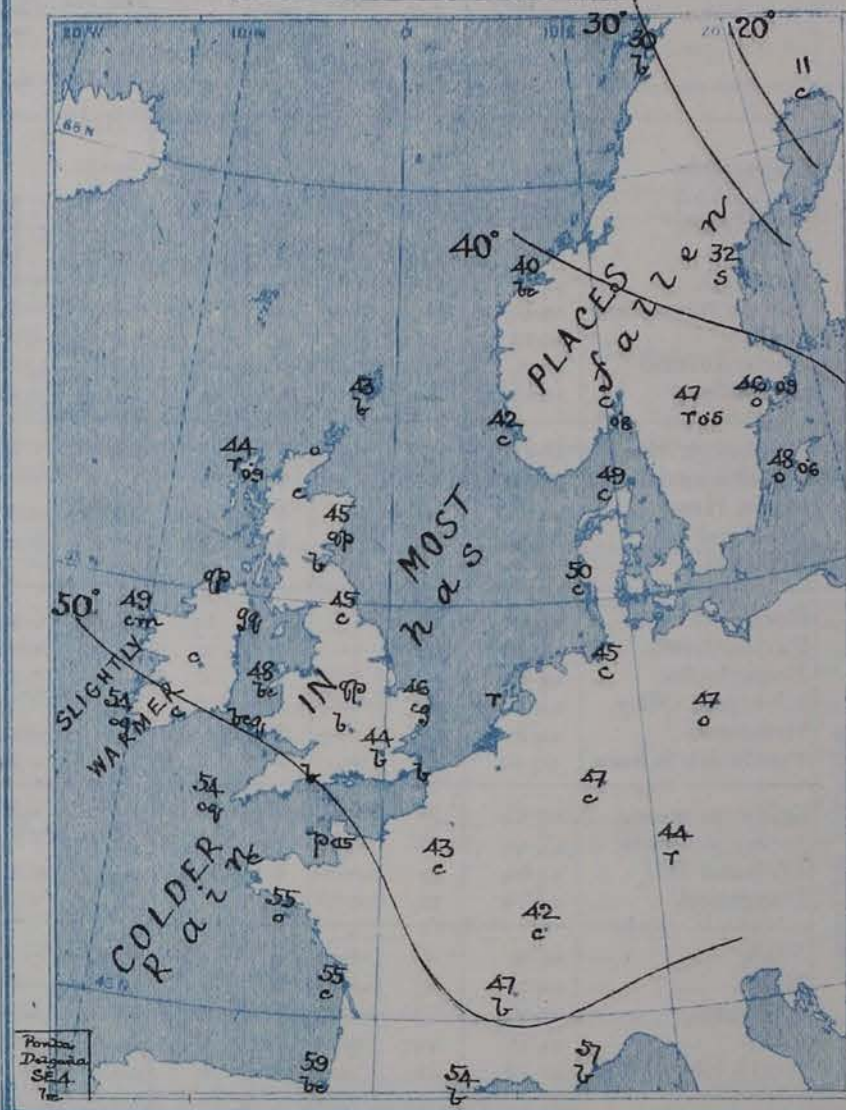


## II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

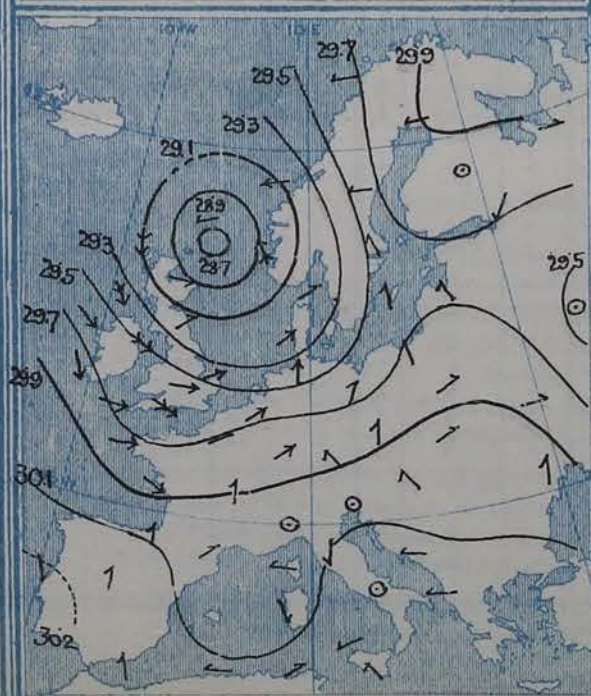
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

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—0.8



## III. BAROMETER AND WIND

*Yesterday morning.*



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



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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The centre of the depression which passed across Scotland on Wednesday night has now reached Christiania and the recovery of pressure in our Islands has become general. The readings over our area range from 30.18 in. at Biarritz to 28.90 in. at Faerder. In the west of Ireland the barometer has begun to fall again.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is now N.W.<sup>ly</sup> throughout almost the whole of the United Kingdom and its immediate neighbourhood, and blows very strongly at the English stations. In Ireland it has fallen light almost everywhere, and has backed considerably; in Denmark it is S.W.<sup>ly</sup>, in Sweden S.<sup>ly</sup>. Temperature has fallen decidedly over Great Britain and France, and ranges from 54° at Scilly to 43° at Malin Head, these readings differ but little from the average. In Ireland the thermometer has begun to rise again. The weather remains squally and showery in several parts of Great Britain, but has become more quiet in the west, though the sky is still cloudy; in London the sky has been brilliantly clear since last evening. The sea is very rough except at sheltered stations.

During the past day the gale has continued from N.W. at most of our stations and there has been rain except in the east and south-east of England. Bright sunshine has been very considerable at many stations.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The N.W.<sup>ly</sup> gale is now dying out generally, and a renewal of the S.W.<sup>ly</sup> winds is indicated. At present their force is not definitely shown, but the general appearance is very unsettled.

## FORECASTS \*

For the 24 hours ending at NOON on 18<sup>th</sup> October, 1902

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND, NORTH	N.W. <sup>ly</sup> winds, falling light and backing to S.W., force uncertain at present. Weather unsettled in every way.	5 { SCOTLAND WEST	N.W. <sup>ly</sup> to S.W. <sup>ly</sup> winds, moderate at first, uncertain later; fair to showery, warmer.
1 { SCOTLAND EAST		7 { ENGLAND N.W.	
2 { ENGLAND N.E.		8 { ENGLAND S.W.	
3 { ENGLAND EAST		9 { IRELAND NORTH	S.W. <sup>ly</sup> and S. <sup>ly</sup> winds, increasing; weather changeable.
4 { MIDLAND COUNTIES		10 { IRELAND SOUTH	
5 { ENGLAND SOUTH		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 ... ..	*	*	*	*	*	*	*	*	*	*	bc	*	z	56	32	7.1	-
Newton Reigny (Penrith)	29.39	45	W 6	0	29.60	+40	44	42	-3	W 2	bc	*	cp, b	51	43	7.7	0.06
Bath ... ..	29.68	49	NW 5	0	29.79	+27	46	43	-4	NW 3	bc	*	-	56	43	3.0	-

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	53	45	c, b	8.9	0.11	Worthing ... ..	*	*	*	7.7	*
Birmingham, 9 p.m. ...	52	42	b	3.6	-	Llandudno ... ..	*	*	*	4.0	*
Lowestoft, up to 6 p.m. ...	57	48	c	5.2	-	Rhyl up to 6 p.m. ...	*	*	*	2.5	*
Hastings ... ..	*	*	*	8.2	*	Southport, 9 p.m. ...	54	46	o, p, b, o	4.0	0.19.
Eastbourne up to 6 p.m. ...	*	*	*	7.5	*	Manchester, 9 p.m. ...	55	44	c, b, p, u	0.8	0.36
Brighton ... ..	*	*	*	6.7	*	Darwen, 9 p.m. ...	50	41	t	0.7	0.65

## 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. (measured at 7 a.m.)
	Max.	Min.				at 1 p.m.	°		
16. Oct. 02					15. Oct. 02				
Marseilles ... ..	70	52	c o	Ins.	Geneva ... ..	61		o	0.24
Utrecht ... ..	59	50	o o	0.35	Berne ... ..	58		o	0.28
Copenhagen ... ..	52	45	r r	0.04	Lucerne ... ..	59		bc	0.28
Prague ... ..	59	48	c o	-	Lausanne ... ..	59		bc	0.16
Vienna ... ..	61	43	b o	-	Lugano ... ..	61		o	-
Buda-Pesth ... ..	61	46	b c	-	Locarno ... ..	61		o	-
St. Petersburg ... ..	?	?	s s	0.20					
Rome ... ..	72	58	b c	0.08					
Malta ... ..	80	74	? c	-					
Madeira (Funchal) ... ..	73	59	o 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.

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	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 ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon)	8.36 a.m.		

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

17. X., 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
	h. m.	h. m.	h. m.
Yarmouth ... ..	6. 23	11. 38	4. 53
Greenwich ... ..	6. 28	11. 45	5. 2
Wick ... ..	6. 54	11. 57	5. 1
Valencia ... ..	7. 10	12. 26	5. 42

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† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on

SATURDAY 18<sup>TH</sup> OCTOBER

1902

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.		
SCANDINAVIA.	Haparanda	29.61	16	N	2	b	29.69	+0.4	19	18	+8	NE	2	0	*	-	23	10	*	-	
	Hernösand	29.49	31	NNE	6	o	29.63	+2.7	27	26	-5	N	4	8	*	-	34	27	*	0.04	
	Stockholm	29.36	47	S	2	o	29.40	+1.6	46	46	0	SE	4	0	*	-	52	43	*	-	
	Wisby	29.43	48	SSW	4	c	29.46	+1.4	46	46	-2	Z	0	0	*	-	50	41	*	0.16	
	Karlstad	29.26	47	Z	0	r	29.46	+3.4	41	40	-6	N	2	1	*	-	*	*	*	0.35	
	Færder (X'iania Fjord)	29.24	42	N	4	o	29.44	+4.5	40	39	-8	NNE	5	0	3	-	48	39	*	-	
	Bodö	29.49	28	E	5	b	29.62	+1.7	24	22	-6	ENE	5	6	2	-	34	10	*	-	
	Christiansund	29.31	39	ESE	2	b	29.51	+3.9	43	38	+3	WSW	1	c	2	-	46	39	*	-	
	Skudesnaes	29.27	45	NNW	4	o	29.45	+3.9	44	43	+2	N	6	0	2	o	46	42	*	*	
	Sumburgh Head	29.51	42	N	4	b	29.68	+3.3	39	36	-4	N	2	b	4	c, b	47	38	*	0.02	
BRITISH ISLANDS.	Stornoway	29.62	43	Z	0	bc	29.78	+1.4	39	39	-5	NNW	1	0	1	o, bc	53	38	2.7	0.05	
	Malin Head	29.62	45	S	3	r	29.75	+0.3	48	46	0	E	2	bc	2	bc, r	50	45	*	0.16	
	Blacksod Pt.	29.48	54	W	4	cpm	29.77	-0.7	53	51	+4	N	5	cm	4	r, cpm	54	48	*	0.26	
	Valencia	29.66	56	W	5	op	29.81	-1.2	55	53	+1	NNW	6	cm	6	o, op	57	52	0.0	0.23	
	Roche's Point	29.66	54	SW	5	+	29.75	-1.7	53	51	+3	WNW	4	0	2	c, r	57	49	*	0.09	
	Parsonstown	29.60	51	SSE	3	otg	29.71	-1.7	51	50	+7	WNW	1	cm	2	otg	53	43	0.4	0.19	
	Donaghadee	29.67	48	SW	1	o	29.72	-0.0	49	47	+4	ENE	2	0	2	-	53	44	*	0.14	
	Liverpool Obsy.	29.75	46	W	3	bc	29.70	+0.3	44	44	-5	E	2	+	?	bc, r	52	44	*	0.22	
	Holyhead	29.72	50	SW	3	c	29.68	-0.7	49	48	+1	ENE	4	cm	3	bc, o	52	46	*	0.63	
	Pembroke (St. Ann's)	29.76	53	SW	4	c	29.66	-1.8	54	53	+4	NW	6	cap	6	c, r, q	56	50	5.1	0.2	
GERMANY, &c.	Scilly (St. Mary's)	29.84	56	SW	5	o	29.77	-1.5	54	52	0	NW	6	op	5	bc, o	58	51	2.1	0.09	
	Jersey (St. Aubins)	29.94	55	WNW	4	c	29.74	-1.5	56	52	+5	WNW	5	ep	4	bc, c, gp	57	50	4.5	0.18	
	Portland Bill	29.88	52	NW	4	c	29.61	-2.0	54	51	+4	NW	7	cp	5	bc, c	55	47	*	0.23	
	Dungeness	29.86	49	NW	4	c	29.57	-1.5	53	53	+6	SSW	6	og	4	c	55	44	*	0.24	
	Wick	29.67	44	N	3	c	29.73	+2.5	38	36	-7	N	2	bc	2	-	49	33	*	0.05	
	Nairn	29.62	45	Z	0	o	29.76	+2.0	41	40	-4	W	1	c	1	-	52	35	*	0.02	
	Aberdeen	29.62	42	WNW	2	b	29.74	+2.5	38	37	-7	W	2	bc	2	cp, b	50	34	6.6	0.03	
	Leith	29.63	48	WSW	1	bc	29.75	+1.7	46	43	-2	Z	0	c	*	-	56	37	*	0.01	
	North Shields	29.65	49	NW	2	cm	29.71	+1.5	49	45	+4	NNE	1	c	3	c, cm	52	43	*	-	
	Spurn Head	29.69	51	WNW	3	c	29.70	+1.8	47	45	-1	N	1	c	3	-	53	44	*	-	
FRANCE.	Yarmouth	29.70	50	WNW	4	bc	29.67	+1.4	48	45	+2	SW	1	c	4	bc	52	40	*	0.03	
	Loughborough	29.76	47	WNW	3	o	29.66	-0.0	45	44	0	ENE	2	ogm	*	p, c, om	53	43	*	0.14	
	Oxford	29.80	45	WSW	2	bc	29.60	-1.4	48	47	+4	NNE	2	ot	*	bc, ot	53	43	*	0.28	
	London (Brixton)	29.80	49	WSW	3	c	29.56	-1.6	49	49	+5	Z	0	ogm	*	bc, cm, r	54	42	4.0	0.21	
	The Scaw (Skagen)	29.23	47	SW	3	bc	29.39	+3.2	46	45	-3	NNE	3	c	1	-	52	43	*	0.16	
	Fanö	29.43	46	W	4	c	29.57	+3.5	47	44	-3	WNW	6	c	*	-	52	45	*	0.28	
	Cuxhaven	29.46	48	WSW	5	o	29.67	+2.9	46	44	+1	SW	3	bc	*	-	50	45	*	0.28	
	The Helder	29.65	51	NW	5	bc	29.69	+2.8	49	46	-1	NW	1	c	2	-	54	43	*	0.20	
	Brussels	*	*	*	*	*	29.78	*	43	43	*	S	3	+	*	-	51	41	*	0.04	
	Berlin	29.62	48	SW	3	c	29.75	+1.8	46	44	-1	W	3	b	*	-	54	45	*	-	
SPAN. PEN.	Frankfurt	29.83	48	SW	4	o	29.89	+2.1	45	43	-2	SW	4	o	*	-	54	45	*	-	
	Munich	29.90	41	W	3	o	29.97	+1.7	35	?	-9	W	6	o	*	-	46	?	*	0.24	
	C. Gris Nez	29.86	51	W	5	c	29.68	-0.3	49	48	+2	SSE	5	o	5	-	54	46	*	0.12	
	Brest	30.04	55	WNW	3	o	29.84	-1.6	56	49	+1	NW	5	o	5	-	59	54	*	0.24	
	Lorient	29.99	57	WNW	5	o	29.84	-1.7	54	54	-1	NW	5	o	5	-	61	54	*	0.20	
	Rochefort	30.03	58	WNW	5	o	29.90	-1.4	58	57	+3	W	5	+	*	o	59	54	*	0.47	
	Biarritz	30.20	61	W	4	o	30.13	-0.5	55	51	-4	S	3	c	3	-	61	54	*	0.08	
	Paris	29.93	44	W	3	b	29.84	-0.2	46	46	+3	S	3	+	*	-	55	37	*	0.08	
	Belfort	29.91	41	WSW	2	c	29.99	+1.4	40	39	-2	WSW	2	m	*	-	50	39	*	0.28	
	Lyons	30.02	45	SSW	1	c	30.06	+0.2	44	42	-3	SE	1	+	*	-	56	40	*	0.04	
Nice	29.62	57	Z	0	b	29.93	+3.1	51	42	-6	E	3	b	2	-	66	50	*	-		
Perpignan	30.07	55	NW	5	b	30.08	+0.4	56	48	+2	NW	1	bc	*	-	63	49	*	-		
Corunna																					
Lisbon																					
Azores (P. Delgada)	30.26	66	ENE	2	b	30.26	+0.3	66	64	-2	ESE	4	b	3	-	73	64	*	-		

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, 18<sup>TH</sup> OCTOBER, 1902.*

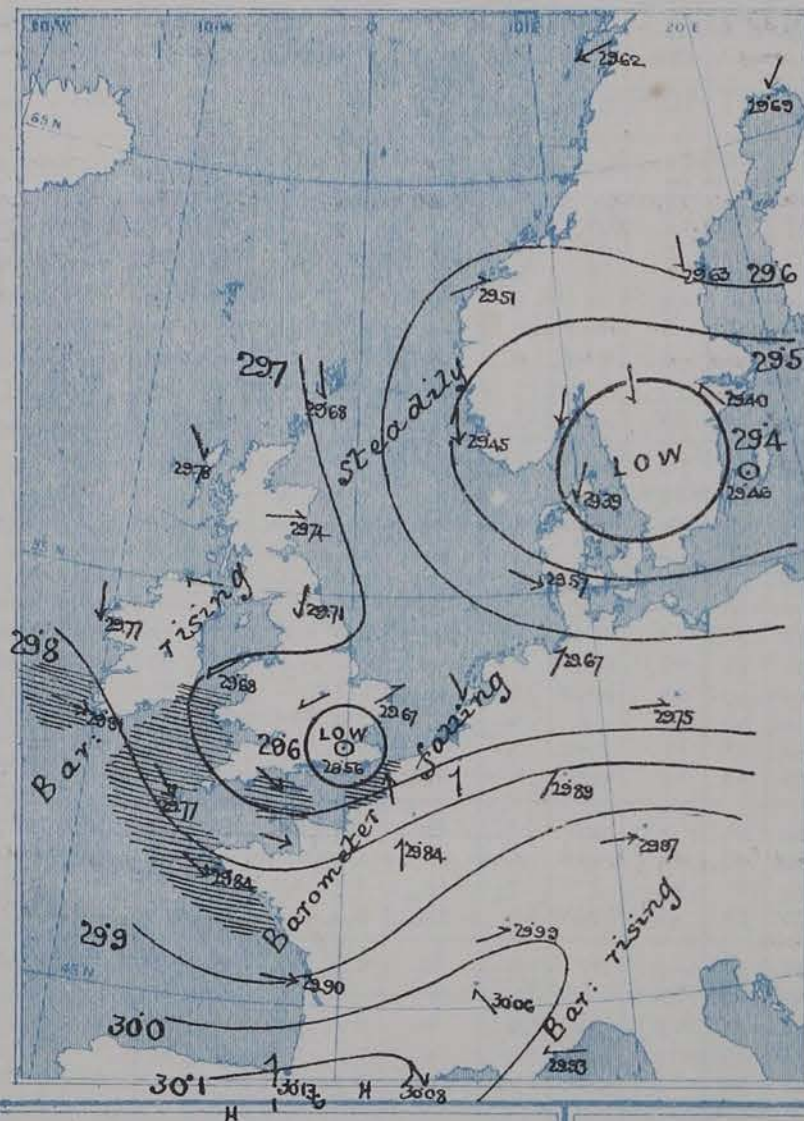
## I. BAROMETER, WIND AND SEA. *This Morning.*

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 ———

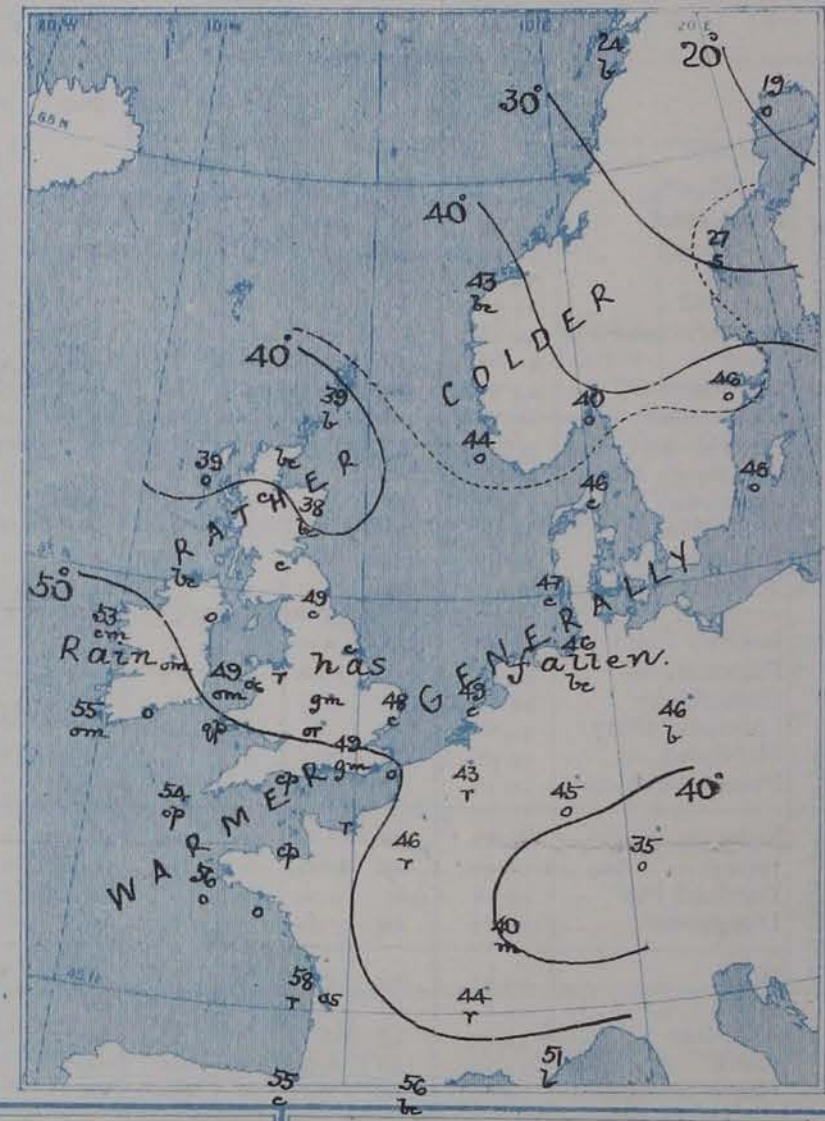


## II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

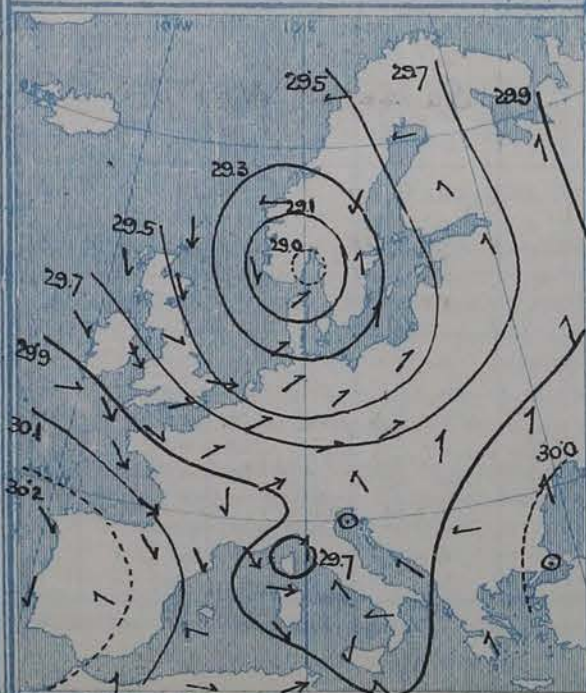
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

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

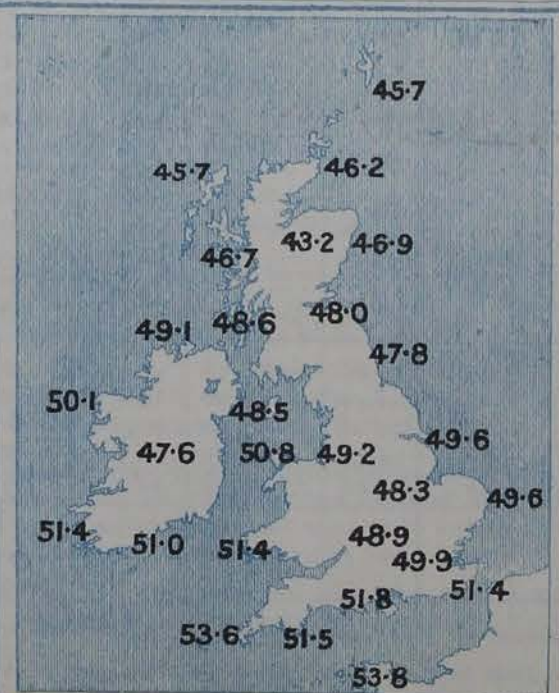


## III. BAROMETER AND WIND

*Yesterday morning.*



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



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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

In the night a small shallow depression had advanced in a south-easterly direction across the British Islands and its centre is now near London. The barometer has risen not only over the eastern shores of the North Sea, but also in Scotland and the north of Ireland, and readings vary from 30.13 in. at Biarritz to 29.56 in. over London and 29.39 in. at the Scaw. The old depression is over the south of Norway and is filling up quickly.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is strong from between N. and W. on the eastern shores of the North Sea, but over the Straits of Dover and Belgium it is S<sup>ly</sup>. Further to the westward it is very strong from N.W. and in Scotland light and variable. Temperature is changing fitfully; at our southern and western stations it has risen, but in Scotland it has fallen. The present values range from 55° at Valencia and 54° along our southern coast, to 38° at Wick and Aberdeen. In the north it is much below the average. The weather is exceedingly changeable and rain is falling in many parts of France and England, and rain and snow at some Swedish stations. The sea is rough in the south-west and south.

During yesterday the maximum temperatures in our Islands exceeded 50° except in the far north; at Scilly the maximum was 58°. At Lorient 61° was registered and at Nice 66°. There has been rain at almost all stations - the heaviest being 0.63 in. at Holyhead. Bright sunshine amounted to 8½ hours at Harting and Eastbourne; at Valencia there was none.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new depression is apparently still moving south-eastwards, and in its rear N<sup>ly</sup> winds are likely to be general, moderating during the day, with finer and colder weather than of late.

## FORECASTS \*

For the 24 hours ending at NOON on 19<sup>th</sup> October, 1902

### 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> and N<sup>ly</sup> winds, moderate; colder, fair as a whole.

N.W<sup>ly</sup> and N.E<sup>ly</sup> winds, strong to moderate; becoming colder and finer.



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

Same as Nos. 0 to 2.

N.W<sup>ly</sup> and N<sup>ly</sup> winds, moderating; colder, finer.

### WARNINGS

At 0.50 p.m. yesterday to districts 9 and 10, and at 3 p.m. to districts 7, 8 and part of 0, "Hoist South Cone." The signals have been lowered this morning.

*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	53	48	4.3	0.26
Newton Reigny (Penrith)	29.64	47	WSW 2	0	29.67	+0.07	42	42	- 2	2.0	c	*	bc,m	53	40	7.0	-
Bath ... ..	29.84	49	NE 1	0	29.63	-0.16	52	41	+ 6	5.3	0	*	-	56	43	7.0	0.22

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.	STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	55	44	c, b, c	6.3	0.04	Worthing ... ..	*	*	*	5.1	*
Birmingham, 9 p.m. ...	53	41	+	3.4	0.02	Llandudno ... ..	*	*	*	3.7	*
Lowestoft, up to 6 p.m. ...	*	*	*	*	*	Rhyl up to 6 p.m. ...	*	*	*	2.3	*
Hastings ... ..	*	*	*	8.6	*	Southport, 9 p.m. ...	51	45	cp, st	3.1	0.03
Eastbourne up to 6 p.m. ...	*	*	*	8.4	*	Manchester, 9 p.m. ...	56	44	p, o	2.3	0.23
Brighton ... ..	*	*	*	4.8	*	Darwen, 9 p.m. ...	50	41	0	4.9	0.35

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.				at 1 p.m.	°		
17. X. 02					16. Oct. 02				
Marseilles ... ..	70	52	o b	Ins.	Geneva ... ..	54		r	-
Utrecht ... ..	57	45	r o	0.04	Berne ... ..	57		o	-
Copenhagen ... ..	54	48	c o	0.35	Lucerne ... ..	57		o	-
Prague ... ..	61	48	o o	-	Lausanne ... ..	52		r	-
Vienna ... ..	57	50	o r	0.04	Lugano ... ..	59		o	0.16
Buda-Pesth ... ..	64	52	o c	-	Locarno ... ..	?		?	?
St. Petersburg ... ..	34	21	o s	0.08					
Rome ... ..	72	62	o o	0.12					
Malta ... ..	79	64	o o	0.12					
Madeira (Funchal) ... ..	86	55	6 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.

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	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 ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon)	8.36 a.m.		

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

18. X. 02, 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	h. m. 6. 25	h. m. 11. 38	h. m. 4. 51
Greenwich ... ..	6. 30	11. 45	5. 0
Wick ... ..	6. 56	11. 57	4. 58
Valencia ... ..	7. 12	12. 26	5. 40

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† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on

SUNDAY 19<sup>TH</sup> OCTOBER

1902

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 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.
SCANDINAVIA.	Haparanda ...	29.84	23	NE	4	0	29.88	+19	20	19	+1	N	2	c	*	-	27	12	*	-	
	Hernösand ...	29.75	27	Z	0	0	29.87	+24	27	26	0	N	2	0	*	-	32	27	*	-	
	Stockholm ...	29.56	41	N	6	+	29.74	+34	36	36	-10	NW	4	+	*	-	48	36	*	0.35	
	Wisby ...	29.52	46	WSW	2	b	29.71	+25	42	41	-4	N	4	0	*	-	50	41	*	-	
	Karlstad ...	29.67	37	NE	2	0	29.84	+38	34	32	-7	NE	2	0	*	0.1	*	*	0.20	-	
	Færder (X'ania Fjord) ...	29.74	40	NNE	4	0	29.84	+40	37	35	-13	NE	3	0	2	-	41	36	*	-	
	Bodö ...	29.78	25	ENE	5	b	29.82	+20	25	23	+1	E	4	0	2	-	27	19	*	-	
	Christiansund ...	29.71	40	WSW	2	0	29.86	+35	37	36	-6	Z	0	0	2	-	45	36	*	-	
	Skudesnaes ...	29.69	46	NNW	4	c	29.84	+39	40	40	-4	NE	2	bc	2	c	48	39	*	*	
	Sumburgh Head ...	29.79	40	N	1	0	29.81	+13	38	35	-1	Z	0	b	2	c, 0	44	35	*	-	
BRITISH ISLANDS.	Stornoway ...	29.84	46	SSW	1	0	29.76	-02	45	44	+6	Z	0	0	1	b, 0	54	37	6.9	0.04	
	Malin Head ...	29.87	50	W	1	b	29.85	+10	47	46	-1	W	4	c	2	b	54	45	*	0.01	
	Blackod Pt. ...	29.89	47	WSW	2	bc	29.85	+08	51	48	-2	SSW	3	cm	3	c, bc	55	46	*	0.21	
	Valencia ...	29.93	54	NNW	2	0	29.94	+13	46	45	-9	NE	1	0	4	c, 0	57	44	1.2	0.07	
	Roche's Point ...	29.88	55	NW	2	0	29.95	+20	50	48	-3	NW	3	0	1	0	58	48	*	0.01	
	Parsonstown ...	29.90	50	NNW	1	c	29.92	+21	48	47	-3	E	1	ogm	*	c	55	46	0.5	0.01	
	Donaghadee ...	29.89	49	NW	1	b	29.92	+20	44	43	-5	WNW	1	0	0	-	53	39	*	-	
	Liverpool Obsy. ...	29.89	47	NNE	1	0	29.97	+27	42	40	-2	SSE	1	b	?	p, om	51	39	*	0.01	
	Holyhead ...	29.88	50	NNE	1	b	29.96	+28	44	44	-5	SE	1	om	1	b	52	41	*	-	
	Pembroke (St. Ann's) ...	29.89	54	N	4	bc	29.96	+30	50	49	-4	NE	3	ogm	2	-	57	46	6.3	-	
GERMANY, &c.	Scilly (St. Mary's) ...	29.86	56	WNW	5	0	29.96	+19	55	53	+1	W	4	0	4	c, 0	58	52	3.7	0.01	
	Jersey (St. Aubins) ...	29.83	57	WNW	5	op	30.01	+27	56	54	0	ESE	3	om	3	b, op	59	53	3.7	0.05	
	Portland Bill ...	29.85	51	NNE	3	c	30.01	+40	52	49	-2	E	1	c	1	c	56	46	*	-	
	Dungeness ...	29.77	52	NE	3	0	30.03	+46	44	44	-9	N	2	bc	1	b, 0	58	39	*	-	
	Wick ...	29.81	38	Z	0	b	29.81	+08	40	39	+2	SE	1	bc	1	-	49	29	*	-	
	Nairn ...	29.85	38	Z	0	b	29.82	+06	43	42	+2	W	1	c	1	-	51	28	*	0.01	
	Aberdeen ...	29.87	36	NW	1	b	29.86	+12	33	32	-5	WNW	1	cm	2	b	47	28	6.8	-	
	Leith ...	29.87	43	Z	0	b	29.88	+13	41	40	-5	Z	0	om	*	-	54	32	*	-	
	North Shields ...	29.87	47	NNE	1	c	29.95	+24	40	39	-9	SW	2	cm	3	c	51	38	*	-	
	Spurn Head ...	29.85	49	NNE	4	bc	30.00	+30	46	44	-1	SW	3	c	3	-	54	48	*	-	
FRANCE.	Yarmouth ...	29.77	51	NE	5	c, j	29.98	+31	45	42	-3	WNW	3	bc	4	q, w	53	38	*	-	
	Loughborough ...	29.87	45	NW	1	0	30.02	+36	40	40	-5	ESE	1	omw	*	d, c, b, m	52	34	*	0.01	
	Oxford ...	29.92	44	N	2	c	30.07	+47	33	33	-15	Z	0	f	*	ad, c, b	53	33	*	-	
	London (Brixton) ...	29.82	50	NE	3	0	30.04	+48	36	35	-13	Z	0	f	*	d, o, f	51	35	0.0	0.02	
	The Scaw (Skagen) ...	29.64	43	NNE	2	0	29.79	+40	43	41	-3	NE	2	0	0	-	48	41	*	-	
	Fanö ...	29.69	46	WNW	4	c	29.85	+28	44	43	-3	WNW	2	c	*	-	50	39	*	0.12	
	Cuxhaven ...	29.74	46	SW	2	0	29.87	+20	47	45	+1	NW	1	b	*	-	50	45	*	0.12	
	The Helder ...	29.76	50	ENE	2	c	29.95	+26	51	47	+2	NNW	1	bc	1	-	55	46	*	0.04	
	Brussels ...	*	*	*	*	*	30.05	+27	44	44	+1	WNW	1	0	*	-	48	41	*	0.12	
	Berlin ...	29.80	45	SW	1	0	29.88	+13	44	43	-2	SW	2	c	*	-	54	41	*	-	
SPAN. PEN.	Frankfurt ...	29.82	46	W	1	+	29.93	+04	46	45	+1	N	2	0	*	-	54	45	*	0.04	
	Munich ...	29.91	40	SE	3	c	29.94	-03	44	44	+9	SW	4	+	*	-	48	35	*	0.20	
	C. Gris Nez ...	29.77	52	NNE	6	0	30.02	+34	48	47	-1	E	2	0	2	-	64	46	*	0.16	
	Brest ...	29.94	55	NW	3	0	30.04	+20	54	51	-2	NW	3	0	3	-	57	52	*	0.08	
	Lorient ...	29.94	56	NW	5	0	30.03	+19	54	54	0	N	2	c	2	-	59	52	*	-	
	Rochefort ...	29.95	58	WNW	5	0	30.07	+17	55	55	-3	W	3	c	*	0	64	54	*	0.16	
	Biarritz ...	30.09	60	SW	5	+	30.17	+04	57	57	+2	WSW	2	+	3	-	63	54	*	0.12	
	Paris ...	29.77	52	WSW	3	0	30.06	+22	46	45	0	NNE	3	bc	*	-	58	45	*	0.16	
	Belfort ...	29.81	46	WSW	2	0	29.97	-02	47	46	+7	WSW	4	0	*	-	52	40	*	0.28	
	Lyons ...	29.95	49	S	1	0	30.09	+03	49	48	+5	E	1	0	*	-	55	44	*	0.04	
Nice ...	29.91	50	E	1	b	29.93	00	51	46	0	E	4	b	2	-	66	46	*	-		
Perpignan ...	30.00	56	Z	0	bc	30.09	+01	57	51	+1	NW	2	0	*	-	72	52	*	-		
SPAN. PEN.	Corunna ...	30.17	66	W	3	0	30.14	-04	63	62	+3	WSW	3	+	3	-	66	57	*	0.16	
	Lisbon ...	30.25	61	NNW	4	c	30.25	-01	62	59	+2	N	2	c	*	-	68	59	*	-	
	Azores (P. Delgada) ...	30.28	68	ESE	3	c	30.23	-03	67	66	+1	SSE	3	0	3	-	73	66	*	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 Sunday, 19<sup>th</sup> October, 1902.

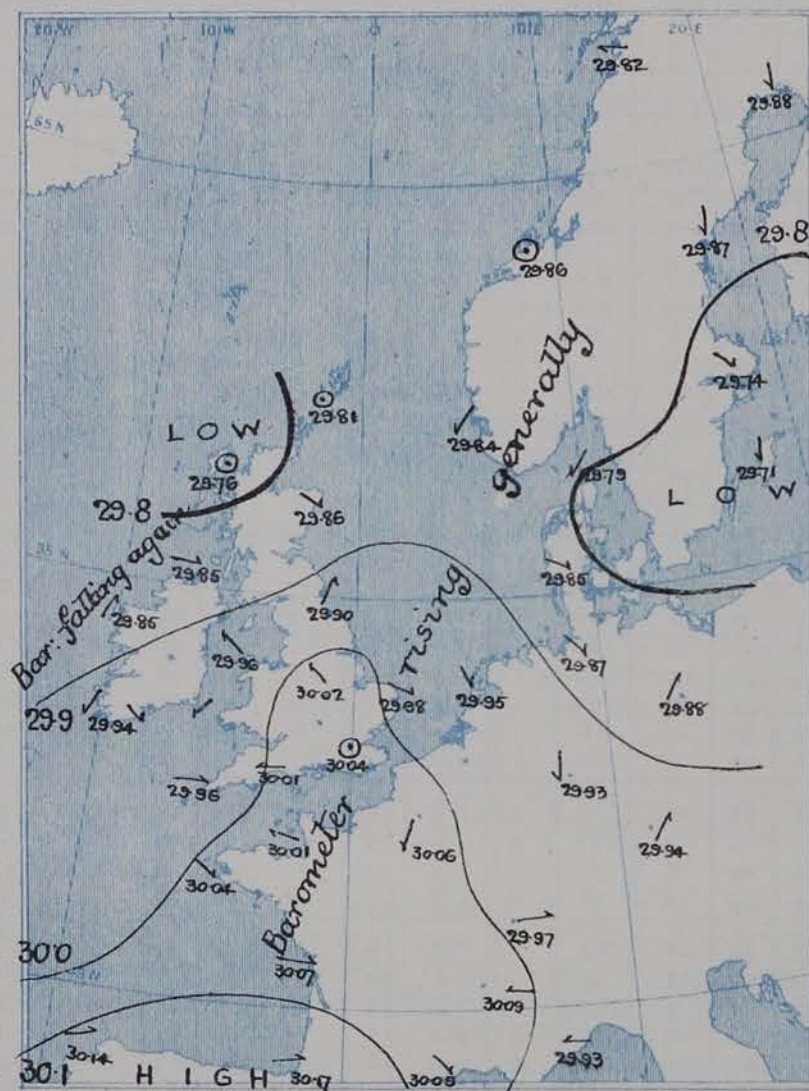
## I. BAROMETER, WIND AND SEA, This Morning.

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

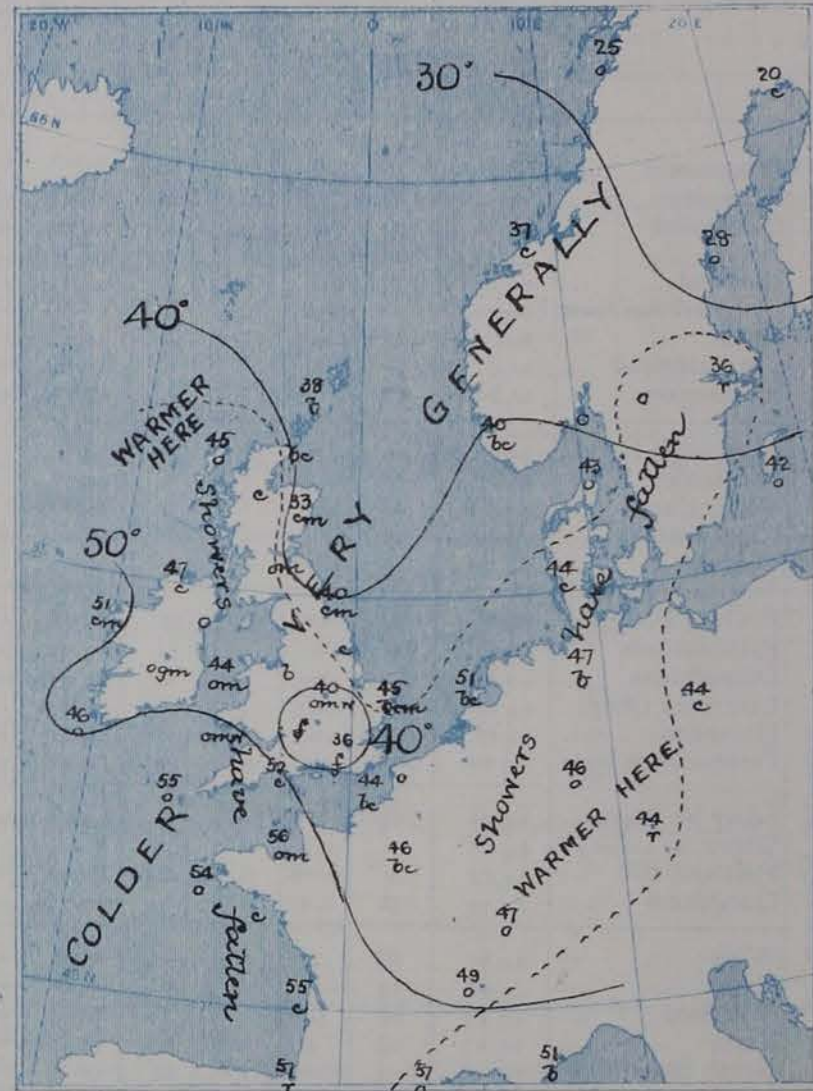


## II. TEMPERATURE AND WEATHER, This Morning.

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

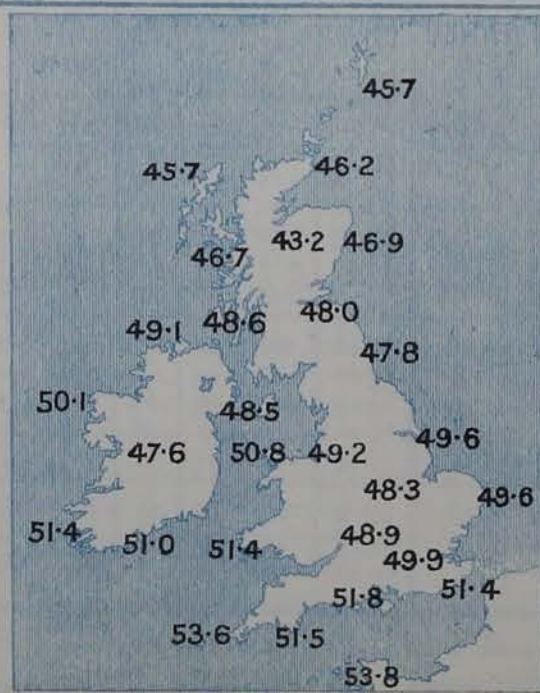


## III. BAROMETER AND WIND

Yesterday morning.



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



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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Barometer's pressure continues highest, 30.2 ins. to 30.1 ins. over the Iberian Peninsula and the southwest of France, while it is now lowest, 29.8 ins. and less, over the north of Sweden and the Baltic and also over and off the extreme northwest coast of Scotland.

The mercury is rising generally, but a fresh fall has commenced on our west and north-west coasts.

### WIND

The wind is light and variable over our Islands and France and mainly from some N<sup>W</sup> or NE<sup>W</sup> point in Scandinavia, Denmark and the Netherlands.

### TEMPERATURE

Temperature has fallen very decidedly in most places, but risen over the east of France and Bavaria as well as in the Hebrides. Over our Islands it ranges from 56° at Jersey, 55° at Scilly and 51° at Blackrod Pt., to 36° in London and to 33° at Oxford and Aberdeen. The continental values vary from 63° at Corunna to below 50° over Germany and the inland parts of France to below 40° in most parts of Scandinavia, and to 20° at Haparanda.

### WEATHER

The sky is cloudy or overcast in nearly all regions; fog or mist prevails at many of our own stations and rain at Stockholm, Biarritz and Corunna. The seas moderate to smooth.

### AND

### SEA

During yesterday the thermometers rose to 72° at Perpignan and 66° at Nice, but over the United Kingdom and its neighbourhood the maxima were all below 60°; at Wick, Aberdeen, and Lumburgh H<sup>o</sup> they were less than 50°. Sharp frost occurred in Scotland during the night. Rain fell yesterday at most continental stations and in many parts of the United Kingdom. The amounts were, however, slight.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS \*

For the 24 hours ending at NOON on 20<sup>TH</sup> OCT. 1902

### DISTRICTS.

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

### FORECASTS.

*issued.*

*None*

### DISTRICTS.

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

### FORECASTS.

*issued.*

*None*

*None issued.*

### WARNINGS

*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 ... ..	*	*	*	*	*	*	*	*	*	*	6	*	0	52	38	0.0	0.06
Newton Reigny (Penrith)																	
Bath ... ..	29.70	49	NE 1	0	30.03	+4.0	37	37	-15	E 1	0	*	-	53	36	0.0	-

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	52	41	c, b, c	2.7	0.02	Worthing ... ..	*	*	*	0.4	*
Birmingham, 9 p.m. ...	49	43	0	0.0	0.34	Llandudno ... ..	*	*	*	*	*
Lowestoft, up to 6 p.m. ...	*	*	*	*	*	Rhyl up to 6 p.m. ...	*	*	*	*	*
Hastings ... ..	*	*	*	*	*	Southport, 9 p.m. ...	55	40	c, m	4.9	0.30
Eastbourne up to 6 p.m. ...	*	*	*	*	*	Manchester, 9 p.m. ...	55	44	6	0.0	0.13
Brighton ... ..	*	*	*	*	*	Darwen, 9 p.m. ...	51	39	cm, w	1.7	0.17

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. at 1 p.m.	WEATHER.	RAIN. (measured at 7 a.m.)	
	Max. °	Min. °							
OCT. 18 <sup>th</sup>					OCT 17 <sup>th</sup>				
Marseilles ... ..	59	46	b, b	Ins.	Geneva ... ..	Obs: not yet rec <sup>d</sup> .		Ins.	
Utrecht... ..	52	43	c, o	0.43	Berne ... ..				
Copenhagen... ..	50	45	o, m	0.04	Lucerne ... ..				
Prague ... ..	57	43	o, o	—	Lausanne ... ..				
Vienna ... ..	59	45	o, o	0.12	Lugano ... ..				
Buda-Pesth ... ..	63	46	r, r	0.91	Locarno ... ..				
St. Petersburg ... ..	41	27	b, f	0.04					
Rome ... ..	68	53	b, o	0.95					
Malta ... ..	78	66	?, c	0.28					
Madeira (Funchal) ... ..	73	57	b, 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.

	Hours of Morning Observations by Local Standard Time.	Corres- ponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corres- ponding Greenwich Times.	OCT. 19, 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
						h. m.	h. m.	h. m.
British Isles, Belgium, Holland ... .. }	8 a.m.(West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.	Yarmouth ... ..	6.26	11.38	4.50
Germany, Denmark Norway, Sweden ... }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich ... ..	6.31	11.45	4.59
France ... ..	7 a.m. (Paris) ... ..	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick ... ..	6.58	11.57	4.56
Spain ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia ... ..	7.13	12.26	5.38
Portugal ... ..	8 a.m. (Lisbon) ... ..	8.36 a.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.

† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on Monday, 20<sup>th</sup> October, 1902

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.	Ins.	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.
SCANDINAVIA.	Haparanda ...	29.96	22	NE	4	0	30.31	+0.43	23	23	+3	Z	0	C	*	-	24	16	*	-		
	Hernösand ...	29.99	20	Z	0	0	30.00	+0.13	21	20	-6	Z	0	0	*	-	30	20	*	-		
	Stockholm ...	30.01	34	NNE	4	C	29.98	+0.24	30	30	-6	NW	2	0	*	-	43	30	*	-		
	Wisby ...	29.89	41	N	6	0	29.98	+0.27	39	35	-3	N	2	0	*	-	48	36	*	-		
	Karlstad... ..	29.95	34	NNE	2	C	29.96	+0.12	34	34	0	N	2	0	*	-	48	36	*	-		
	Færder (X'ania Fjord)	29.95	39	NE	1	0	29.92	+0.08	42	41	+5	SE	2	0	1	-	42	37	*	-		
	Bodö ...	29.94	31	E	4	0	29.86	+0.04	26	23	+1	E	4	0	2	-	31	17	*	-		
	Christiansund ...	29.88	39	ESE	2	0	29.75	-0.11	40	37	+3	ESE	5	0	3	-	41	37	*	-		
	Skudesnaes ...	29.89	45	SE	2	C	29.78	-0.06	45	42	+5	SSE	6	0	4	-	48	40	*	-		
	Sumburgh Head	29.69	44	S	2	C	29.44	-0.37	47	46	+9	SW	2	0	4	0	47	27	*	0.06		
Stornoway ...	29.60	48	SW	4	0	29.53	-0.23	40	40	-5	Z	0	0	1	0	53	39	0.7	0.40			
Malin Head ...	29.68	50	SSW	5	0	29.63	-0.22	49	46	+2	WNW	4	0	3	0	51	46	*	0.24			
Blacksod Pt. ...	29.69	53	SSW	4	0	29.71	-0.14	49	45	-2	WNW	3	0	3	0	53	47	*	0.49			
Valencia... ..	29.74	53	S	5	0	29.80	-0.14	53	48	+7	NW	3	0	4	0	57	45	0.1	0.32			
BRITISH ISLANDS.	Roche's Point ...	29.83	54	WSW	3	0	29.79	-0.16	52	50	+2	NNW	4	0	3	0	56	49	*	0.12		
	Parsonstown ...	29.78	50	SE	2	C	29.74	-0.18	46	45	-2	W	1	C	*	0	54	45	0.3	0.12		
	Donaghadee ...	29.77	50	W	2	0	29.60	-0.32	48	47	+4	NW	3	0	2	0	51	48	*	0.08		
	Liverpool Obsy.	29.85	48	S	2	C	29.61	-0.36	50	49	+8	SSW	3	0	2	0	53	42	*	0.17		
	Holyhead ...	29.80	52	SW	2	0	29.61	-0.35	53	52	+9	W	4	0	3	0	53	44	*	0.32		
	Pembroke (St. Ann's)	29.90	54	WSW	4	C	29.77	-0.19	54	52	+4	W	5	0	5	0	57	50	0.0	0.14		
	Scilly (St. Mary's)...	29.95	55	SW	4	0	29.79	-0.17	56	54	+1	WNW	4	0	4	0	57	52	1.2	0.02		
	Jersey (St. Aubins)...	30.02	57	W	3	0	29.89	-0.12	59	57	+3	SW	4	0	3	0	59	53	0.2	0.04		
	Portland Bill ...	29.96	54	WSW	4	C	29.78	-0.23	57	56	+5	WSW	5	0	4	0	57	49	*	0.10		
	Dungeness ...	30.00	55	S	3	0	29.85	-0.18	54	54	+10	W	5	0	3	0	57	43	*	0.22		
Wick ...	29.66	48	SE	3	0	29.51	-0.30	46	44	+6	W	2	0	1	0	51	39	*	0.12			
Nairn ...	29.67	50	W	2	0	29.54	-0.28	42	42	-1	WSW	2	C	1	-	54	40	*	0.07			
Aberdeen ...	29.75	46	SSW	2	0	29.56	-0.30	46	45	+13	W	1	0	1	-	48	33	1.0	0.05			
Leith ...	29.78	50	SSW	1	0	29.56	-0.32	49	48	+8	S	1	0	1	-	53	39	*	0.01			
North Shields ...	29.84	49	SSW	2	0	29.60	-0.35	49	48	+9	SSW	3	0	2	0	52	38	*	0.01			
Spurn Head ...	29.91	49	S	4	C	29.70	-0.30	48	48	+2	S	4	0	3	-	51	45	*	0.09			
Yarmouth ...	29.97	50	SSW	3	0	29.79	-0.19	50	48	+5	SW	3	0	3	0	52	41	*	0.03			
Loughborough ...	29.95	47	SE	2	0	29.69	-0.33	49	49	+9	S	4	0	4	0	53	40	*	0.12			
Oxford ...	29.93	50	SSE	2	0	29.73	-0.34	51	51	+18	S	2	0	2	0	52	33	*	0.15			
London (Brixton)	29.95	50	SW	1	0	29.78	-0.26	51	50	+15	SW	2	0	2	0	57	36	1.1	0.06			
GERMANY, &c.	The Scaw (Skagen)	29.93	44	Z	0	C	29.91	+0.12	44	42	+1	SSW	1	C	0	-	45	41	*	0.04		
	Fanö ...	29.98	40	Z	0	0	29.91	+0.06	41	41	-3	SE	2	C	0	-	52	39	*	0.04		
	Cuxhaven ...	30.01	47	W	1	0	29.96	+0.09	42	42	-5	S	2	0	0	-	50	41	*	-		
	The Helder ...	29.98	47	SSW	1	0	29.79	-0.16	50	49	-1	SSW	3	0	1	-	52	45	*	0.12		
	Brussels... ..	30.00	46	W	1	0	29.95	-0.10	50	48	+6	SW	4	0	0	-	56	43	*	-		
	Berlin ...	30.03	46	W	1	0	30.07	+0.19	43	42	-1	SW	1	C	0	-	54	39	*	-		
	Frankfurt ...	30.13	44	SW	2	0	30.09	+0.16	42	41	-4	SSW	2	0	0	-	55	39	*	-		
	Munich ...	30.17	44	W	4	0	30.15	+0.21	43	43	-1	SW	4	0	0	-	48	41	*	0.16		
C. Gris Nez ...	30.03	51	SSE	2	0	29.91	-0.11	55	52	+7	WSW	5	0	5	-	57	48	*	0.12			
Brest ...	30.04	55	WNW	2	0	29.86	-0.18	58	58	+4	SW	4	0	4	-	59	54	*	0.04			
Lorient ...	30.06	54	SW	2	C	29.95	-0.08	60	60	+6	WSW	4	0	3	-	60	50	*	-			
Rocheport ...	30.12	58	WSW	4	0	30.06	-0.01	59	59	+4	WSW	4	0	0	-	63	55	*	-			
Biarritz ...	30.21	60	Z	0	0	30.21	+0.04	63	62	+6	SW	2	0	2	-	63	57	*	0.12			
Paris ...	30.11	51	S	3	0	30.04	-0.02	50	48	+4	SSW	3	C	0	-	57	46	*	-			
Belfort ...	30.14	47	WSW	3	0	30.10	+0.13	44	43	+3	WSW	2	0	0	-	51	40	*	-			
Lyons ...	30.19	52	NNW	1	0	30.21	+0.12	48	46	-1	SSW	1	0	0	-	59	46	*	0.04			
Nice ...	30.04	55	Z	0	0	30.12	+0.19	53	48	+2	Z	0	0	0	-	64	48	*	-			
Perpignan ...	30.14	60	N	3	C	30.21	+0.12	55	52	-2	Z	0	0	0	-	68	50	*	-			
SPAN. PEN.	Corunna ...	30.23	61	NNW	4	0	30.23	-0.02	61	59	-1	NNW	2	0	0	-	70	57	*	-		
	Lisbon ...	30.23	61	NNW	4	0	30.23	-0.02	61	59	-1	NNW	2	0	0	-	70	57	*	-		
	Azores (P. Delgada)	30.23	61	NNW	4	0	30.23	-0.02	61	59	-1	NNW	2	0	0	-	70	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, 20<sup>th</sup> October, 1902.*

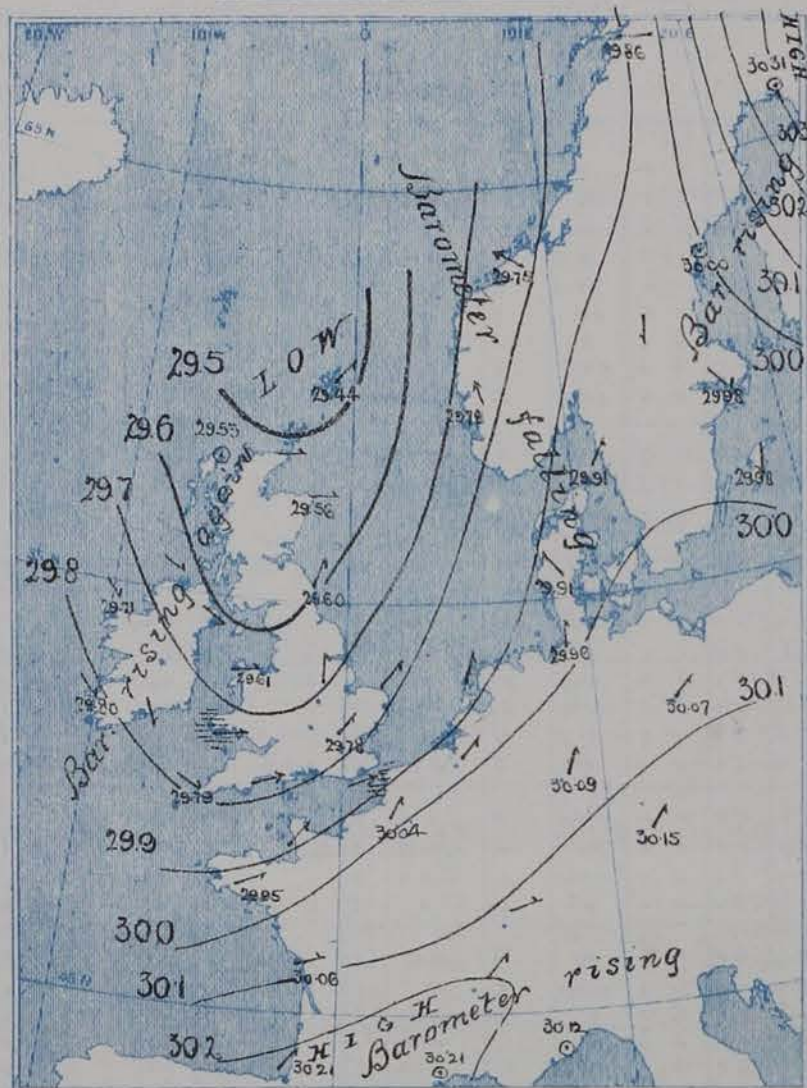
## I. BAROMETER, WIND AND SEA. *This Morning.*

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

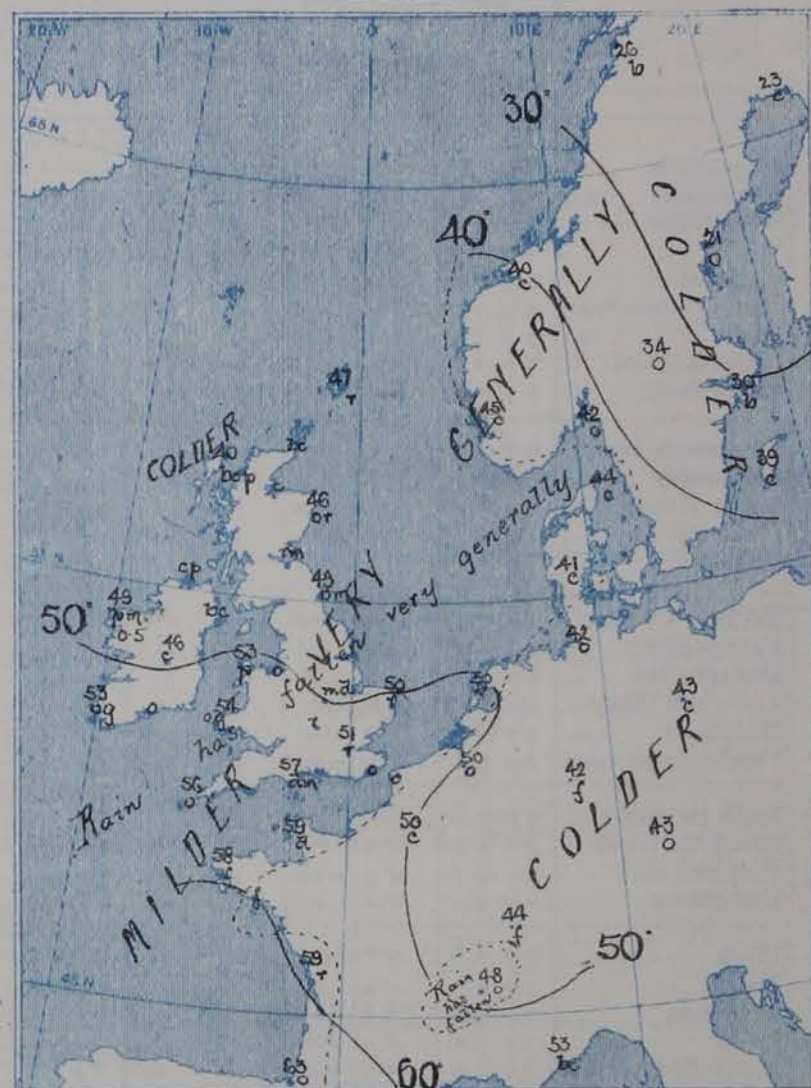


## II. TEMPERATURE AND WEATHER. *This Morning.*

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 OCTOBER. (1871-1900.)



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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Barometric pressure remains high over southern Europe, and a new system has begun to appear over the north of Russia and the Kola peninsula, but shallow depressions both primary and secondary are found over the Shetlands and the north of Great Britain. Readings vary from 30.21 in. at Biarritz and 30.31 in. at Haparanda to 29.44 in. at Lumburgh H<sup>2</sup> and 29.54 in. at Naïon.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is E<sup>2</sup> to SE<sup>2</sup> in the northwest of Norway, S<sup>2</sup> over the North Sea and east of England, W<sup>2</sup>, and rather fresh, over the English Channel and Bay of Biscay, NW<sup>2</sup> in Ireland. In Scotland it is very light and variable.

Temperature is unsteady; it has fallen over central Europe, risen over the North Sea, Great Britain and the north and west of France, but fallen in Ireland. In the British Islands it ranges from 57° at Portland to 40° at Stornoway. The English readings are considerably above the average. Those in Ireland and Scotland are much about the average generally, but that at Stornoway is decidedly below.

The weather is very changeable, rainy almost all over England, fine in Ireland, foggy in many parts of France. Sea is moderate to slight generally, smooth off the east of Scotland.

Since yesterday morning the maximum temperatures in our Islands have ranged from 50° to 57° as a whole. Rain has fallen generally, but lightly, and bright Sunshine has been very deficient.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The secondary depression over Scotland will probably move northeastwards, and in its rear a spell of colder NW<sup>2</sup> winds will spread, temporarily, all over the Kingdom, with fairer, possibly foggy weather. There are no indications at present of lasting fair weather.

## FORECASTS \*

For the 24 hours ending at NOON on 21<sup>ST</sup> OCT. 1902

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

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

NW<sup>2</sup> winds, light to moderate; colder, a few showers, bright intervals.

S. or SW winds, shifting to NW; mild and damp at first, then much cooler, finer.



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

Same as Nos 0 + 1.

NW<sup>2</sup> winds, moderate or fresh; fair as a whole, but cool, and hazy in places.

### 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 ... ..	*	*	*	*	*	*	*	*	*	*	r	*	8.0	53	46	7.4	0.07
Newton Reigny (Penrith)	29.80	47	SSE 1	o	29.57		46	46		SE 3	r	*	0.07	49	45	1.0	0.10
Bath ... ..	29.95	51	S 1	r	29.73	-3.0	55	54	+ 18	SW 4	o	*	-	55	38	0.0	0.05

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	51	38	3c	2.7	-	Worthing ... ..	*	*	*	3.0	*
Birmingham, 9 p.m. ...	51	39	o	1.3	-	Llandudno ... ..	*	*	*	2.8	*
Lowestoft, up to 6 p.m. ...	*	*	*	*	*	Rhyl up to 6 p.m. ...	*	*	*	4.9	*
Hastings ... ..	*	*	*	1.8	*	Southport, 9 p.m. ...	52	37	3co	1.7	-
Eastbourne up to 6 p.m. ...	*	*	*	0.9	*	Manchester, 9 p.m. ...	55	38	or	2.3	-
Brighton ... ..	*	*	*	1.9	*	Darwen, 9 p.m. ...	50	38	om	1.0	-

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

STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				at 1 p.m.	°		
19. X. 02					18. X. 02				
Marseilles ... ..	Obs.	not	yet received	Ins.	Geneva ... ..	52		o	0.04
Utrecht ... ..					Berne ... ..	50		c	0.04
Copenhagen ... ..					Lucerne ... ..	52		b	0.04
Prague ... ..					Lausanne ... ..	48		bc	0.08
Vienna ... ..					Lugano ... ..	59		b	-
Buda-Pesth ... ..					Locarno ... ..	59		b	-
St. Petersburg ... ..									
Rome ... ..									
Malta ... ..									
Madeira (Funchal) ... ..									

## 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.

	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 ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.		

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

20. OCT. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6.28	11.38	4.48
Greenwich ... ..	6.33	11.45	4.57
Wick ... ..	7.0	11.57	4.54
Valencia ... ..	7.15	12.26	5.36

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.

† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on Tuesday, 21<sup>st</sup> October, 1902

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.		Force (0 to 12.)	Weather.	Sea (0 to 9.)	Temp.				
																	Max.	Min.	Sun- shine.	Rainfall.	
At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	At 89° 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.				Ins.	Ins.	°	°												
SCANDINAVIA.	Haparanda ...	30.07	25	SE	4	0	30.07	+18	22	21	-1	SE	4	0	1	-	27	19	*	-	
	Hernösand ...	29.97	31	S	2	S	29.88	-12	36	35	+15	S	4	0	1	-	9	19	*	0.08	
	Stockholm ...	30.06	31	Z	0	0	29.86	-12	35	34	+5	ESE	2	0	1	-	43	27	*	-	
	Wisby ...	30.02	35	NNW	2	0	29.80	-18	42	41	+3	Z	0	1	1	-	43	30	*	0.04	
	Karlstad ...	29.88	41	NE	4	0	29.69	-27	37	36	+3	ENE	2	1	1	-	1	*	*	0.16	
	Færder (X'ania Fjord)	29.78	45	SSE	4	0	29.55	-37	41	40	-1	E	6	1	3	-	45	41	*	0.24	
	Bodö ...	29.77	27	E	4	0	29.68	-18	32	30	+6	E	4	1	2	-	32	24	*	-	
BRITISH ISLANDS.	Christiansund ...	29.58	44	ESE	4	0	29.57	-18	43	42	+3	?	?	0	2	-	45	40	*	0.04	
	Skudesnaes ...	29.61	45	SE	6	7	29.59	-19	43	42	-2	Z	0	1	2	-	48	43	*	*	
	Sumburgh Head	29.50	43	Z	0	0	29.55	+11	45	43	-2	W	1	0	3	0	50	42	*	0.03	
	Stornoway ...	29.54	45	WSW	1	0	29.62	+09	43	42	+3	W	3	0	3	0	53	37	6.7	0.07	
	Malin Head ...	29.68	48	WNW	5	0	29.80	+17	47	46	-1	W	5	0	4	0	52	45	*	0.24	
	Blacksod Pt. ...	29.76	50	WSW	4	0	29.92	+21	49	46	0	WSW	5	0	4	0	54	46	*	0.08	
	Valencia ...	29.87	54	WSW	3	0	30.07	+27	50	47	-3	SSW	2	0	4	0	55	47	2.8	0.02	
GERMANY, &c.	Roche's Point ...	29.85	52	W	3	0	30.08	+29	45	44	-7	NNE	3	0	2	0	58	39	*	-	
	Parsonstown ...	29.82	47	NE	1	0	30.01	+27	40	40	-6	NE	1	0	2	0	54	38	5.4	0.11	
	Donaghadee ...	29.72	48	W	1	0	29.88	+28	42	40	-6	W	3	0	3	0	54	37	*	-	
	Liverpool Obsy.	29.76	49	WNW	3	0	29.95	+34	47	46	-3	W	4	0	3	0	53	45	*	0.11	
	Holyhead ...	29.77	49	WNW	2	0	29.96	+35	49	47	-4	WNW	4	0	3	0	53	47	*	-	
	Pembroke (St. Ann's)	29.83	52	NW	4	0	30.04	+27	52	47	-2	NW	5	0	3	0	55	46	0.0	-	
	Scilly (St. Mary's)...	29.84	54	NNW	3	0	30.06	+27	53	51	-3	NW	4	0	3	0	56	51	0.2	0.19	
FRANCE.	Jersey (St. Aubins)...	29.85	61	SEW	3	0	30.12	+23	53	49	-6	NW	3	0	3	0	61	48	0.0	0.33	
	Portland Bill ...	29.81	54	NW	4	0	30.06	+28	52	48	-5	NW	4	0	4	0	59	46	*	0.08	
	Dungeness ...	29.78	56	W	4	0	30.02	+17	47	46	-7	NNW	3	0	1	0	58	42	*	0.17	
	Wick ...	29.56	44	W	2	0	29.62	+11	42	40	-4	W	2	0	1	0	54	39	*	0.01	
	Nairn ...	29.59	44	W	2	0	29.68	+14	42	40	0	WSW	2	0	1	0	53	37	*	-	
	Aberdeen ...	29.61	40	WNW	1	0	29.71	+15	42	40	-4	SW	1	0	1	0	52	36	4.0	0.09	
	Leith ...	29.63	47	WSW	1	0	29.83	+27	44	41	-5	WSW	3	0	1	0	55	41	*	0.01	
SPAN. PEN.	North Shields ...	29.63	50	WNW	1	0	29.83	+23	45	44	-4	WSW	3	0	2	0	54	40	*	0.02	
	Spurn Head ...	29.66	52	W	4	0	29.87	+17	47	46	-1	WSW	5	0	3	0	56	44	*	-	
	Yarmouth ...	29.66	56	WSW	3	0	29.90	+11	44	42	-6	W	3	0	3	0	57	40	*	0.01	
	Loughborough ...	29.75	50	WNW	3	0	29.96	+27	43	42	-6	W	2	0	2	0	57	41	*	-	
	Oxford ...	29.81	51	WNW	1	0	30.03	+30	41	40	-10	WSW	2	0	1	0	58	39	*	-	
	London (Brixton)	29.76	55	SW	1	0	30.02	+24	44	43	-7	WSW	2	0	1	0	61	40	0.1	0.06	
	The Scaw (Skagen)	29.76	47	S	3	0	29.45	-46	48	47	+4	Z	0	1	0	48	44	*	0.55		
GERMANY, &c.	Fanö ...	29.58	50	S	2	0	29.60	-31	48	46	+7	NNW	6	0	1	0	52	41	*	0.63	
	Cuxhaven ...	29.80	48	S	5	0	29.67	-29	51	50	+9	NNW	1	0	1	0	52	41	*	0.20	
	The Helder ...	29.66	54	SW	3	0	29.82	+03	52	48	+2	NW	3	0	3	0	55	50	*	0.16	
	Brussels ...	29.95	50	W	2	0	29.95	+00	48	48	-2	W	2	0	1	0	56	47	*	1.10	
	Berlin ...	29.97	48	S	2	0	29.71	-36	50	50	+7	SSW	2	0	1	0	54	48	*	0.12	
	Frankfurt ...	29.93	51	SW	4	0	29.82	-27	56	54	+14	SW	5	0	1	0	56	42	*	0.24	
	Munich ...	30.13	49	SW	4	0	30.05	-10	52	50	+9	W	6	0	1	0	54	43	*	0.08	
FRANCE.	C. Gris Nez ...	29.76	57	SW	5	0	29.99	+08	49	47	-6	NW	4	0	4	0	63	48	*	0.63	
	Brest ...	29.86	59	SW	4	0	30.15	+29	54	50	-4	NNW	3	0	3	0	59	50	*	0.84	
	Lorient ...	29.94	60	WSW	5	0	30.14	+19	54	52	-6	NW	4	0	4	0	63	50	*	0.24	
	Rochefort ...	30.06	63	SW	4	0	30.10	+04	59	58	0	NNW	4	0	1	0	64	57	*	0.16	
	Biarritz ...	30.19	67	NE	2	0	30.22	+01	62	61	-1	SW	2	0	2	0	72	59	*	-	
	Paris ...	29.95	58	SSW	3	0	30.00	-04	53	52	+3	NW	4	0	1	0	60	50	*	0.20	
	Belfort ...	30.07	51	WSW	3	0	30.02	-08	54	52	+10	WSW	7	0	1	0	54	44	*	0.08	
SPAN. PEN.	Lyons ...	30.17	56	SSW	2	0	30.20	-01	53	50	+5	S	1	0	1	0	63	48	*	-	
	Nice ...	30.15	56	Z	0	0	30.17	+05	53	50	0	E	1	0	2	0	64	50	*	-	
	Perpignan ...	30.19	58	Z	0	0	30.20	-01	53	52	-2	SW	2	0	1	0	69	52	*	-	
SPAN. PEN.	Corunna ...	30.19	62	NNW	4	0	30.22	-01	61	57	0	N	3	0	1	0	70	57	*	-	
	Lisbon ...	30.19	62	NNW	4	0	30.22	-01	61	57	0	N	3	0	1	0	70	57	*	-	
	Azores (P. Delgada)	30.25	63	NE	4	0	30.29	+10	64	59	-3	NE	5	0	3	0	72	63	*	0.16	

† The 8 a.m. Barometer reading at Haparanda in yesterday's Report should read '29.91'.

\* Observations for this column not generally received.

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



# WEATHER CHARTS

FOR *Tuesday 21<sup>st</sup> October 1902.*

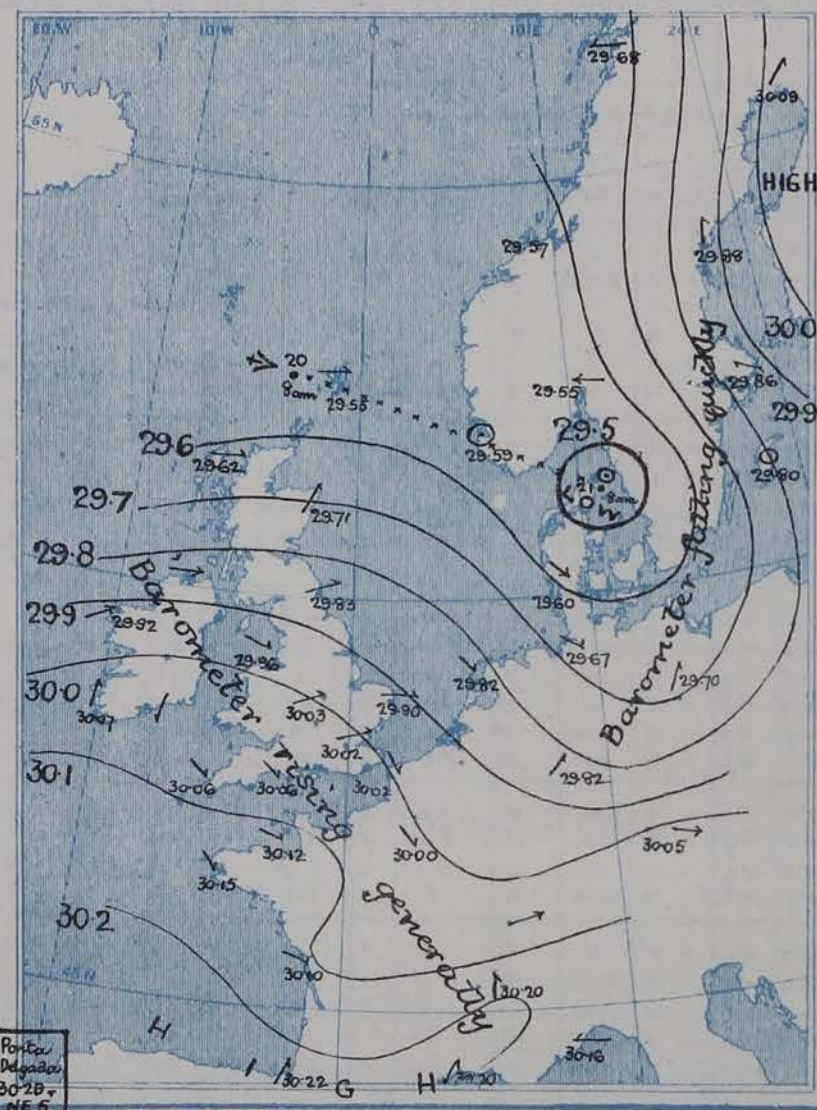
## I. BAROMETER, WIND AND SEA. *This Morning.*

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 ———

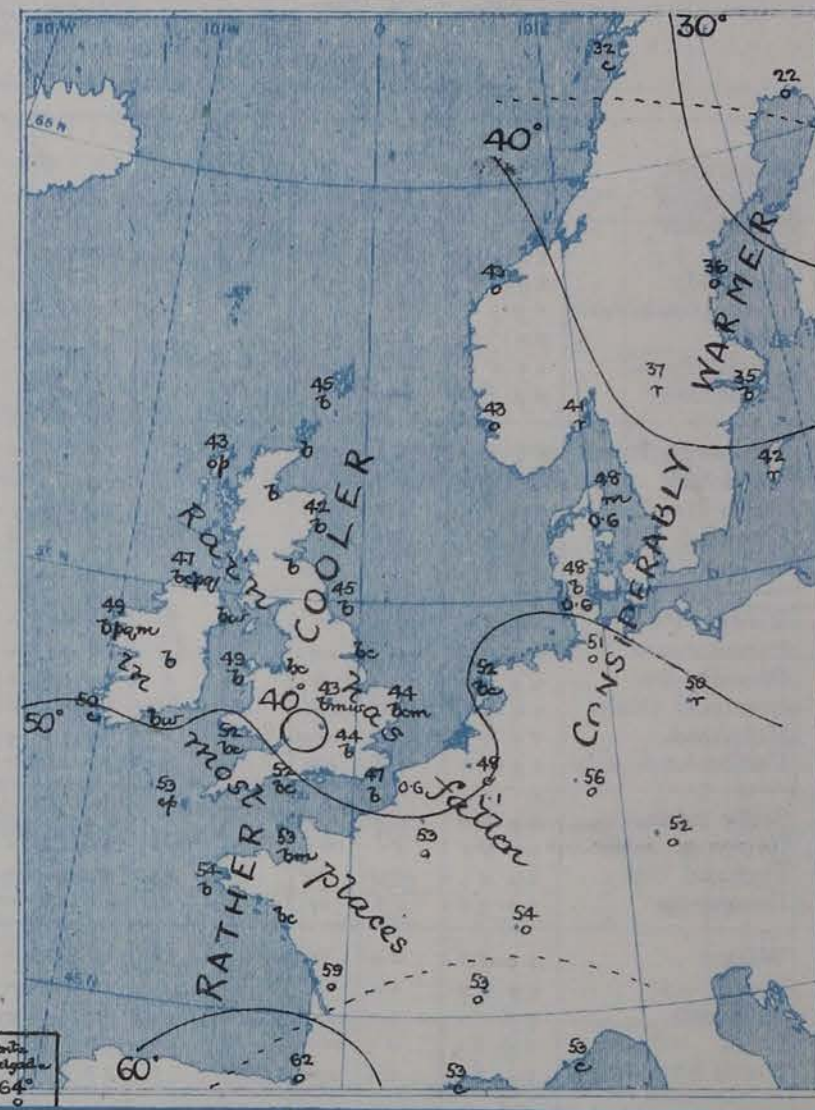


## II. TEMPERATURE AND WEATHER. *This Morning.*

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 OCTOBER. (1871-1900.)



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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

The cyclonic disturbances noticed over and to the northward of our Islands yesterday morning have moved away east-south-eastwards and now lie over Germany and the north of Denmark. In the latter region the barometer is below 29.5 ins., while the highest readings, 30.2 ins. and upwards, are found over the Spanish Peninsula and the south of France. Pressure is, however, relatively high (30.09 ins.) at Haparanda. The mercury is still rising over France and the United Kingdom, falling to the eastward of the North Sea.

## WIND

The wind is chiefly W<sup>3</sup> over our Islands, but draws into NW at some of our southern stations, as well as in the north of France. Over Denmark and its neighbourhood there is a complete cyclonic circulation, both the E<sup>2</sup> wind at Christiansa and the NW<sup>3</sup> wind at Fariö being strong in force.

## TEMPERATURE

Temperature has fallen several degrees generally, but has risen at most stations in Germany, Denmark and Scandinavia. It is rather below the normal over our Islands, ranging from 53° at Jersey and Scilly and 50° in the southwest of Ireland to 43° at Loughborough, 42° in the north of Scotland, 40° at Parsonstown, and to 39° at Bath. At Biarritz the reading is 62°, at Nice and Paris 53°, Stockholm 35°, and at Haparanda 22°.

## WEATHER

The weather is dull and rainy in the immediate vicinity of the barometric disturbances, and mostly overcast over France. Over the greater part of the United Kingdom, however, the sky has cleared, the only places from which showers are reported being the Scilly Isles and the extreme northwest coasts of Ireland and Scotland.

## AND

## SEA

The Sea is moderate to smooth.

During yesterday the thermometers rose to 72° at Biarritz, 61° in London and at Jersey and to nearly 60° at several other English stations, but in Ireland and Scotland the maximum temperatures were generally below 55°. Rain has fallen in nearly all places — more than 0.5 ins. in Denmark and at Cape Gris Nez and as much as 1.1 ins. at Brussels.

Bright sunshine was very deficient except in some northern and north-western districts.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of the approach of any disturbance towards our Islands, but as the general distribution of pressure continues favourable for the advance of cyclonic systems from the Atlantic, the fine weather now prevailing is likely to be but temporary.

## FORECASTS \*

For the 24 hours ending at NOON on 22<sup>nd</sup> OCT. 1902

### DISTRICTS.

### FORECASTS.

0	{ SCOTLAND NORTH	W <sup>3</sup> winds, backing later; mostly fine today, becoming unsettled tomorrow, cool.
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	Light or moderate winds between W and NW; fair generally, cool air. Local fogs and frosts at night.
3	{ ENGLAND EAST	
4	{ MIDLAND COUNTIES	
5	{ ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	{ SCOTLAND WEST	Same as Nos 0 + 1.
7	{ ENGLAND N.W.	
8	{ ENGLAND S.W.	NW <sup>2</sup> to W <sup>3</sup> or SW <sup>2</sup> winds, moderate; fair generally, but local showers.
9	{ IRELAND NORTH	W <sup>2</sup> to SW <sup>2</sup> or S <sup>2</sup> breezes; changeable, some showers.
10	{ IRELAND SOUTH	

### 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-	Rainfall
	Ins.	°			Ins. Change.	Dry.	Wet.	Change.					Max.	Min.	shine.	Ins.
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	7	*	0, c	57	41	0.2	0.09
Newton Reigny (Penrith) ...	29.70	43	W 1	7	29.84 +.27	45	43	- 1	W 3	7 c	*	7 c, 0, r, c	51	38	2.7	0.06
Bath ... ..	29.80	53	NE 1	0	30.04 +.31	39	39	- 16	E 1	7 c	*	-	58	37	0.0	-

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.	STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	54	45	0	0.0	0.11	Worthing ... ..	*	*	*	1.0	*
Birmingham, 9 p.m. ...	55	48	0	0.0	0.16	Llandudno ... ..	*	*	*	0.1	*
Lowestoft, up to 6 p.m. ...	54	46	c	0.0	0.13	Rhyl up to 6 p.m. ...	*	*	*	*	*
Hastings ... ..	*	*	*	0.0	*	Southport, 9 p.m. ...	53	47	0, 7, 8 c	1.3	0.18
Eastbourne up to 5 p.m. ...	*	*	*	0.2	*	Manchester, 9 p.m. ...	57	43	7 c	0.0	0.18
Brighton ... ..	*	*	*	0.0	*	Darwen, 9 p.m. ...	51	42	7 v w	0.0	0.32

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

STATIONS. 20 <sup>th</sup> Oct. 1902.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F. at 1 p.m.		WEATHER.	RAIN. (measured at 7 a.m.)
	Max.	Min.				°	°		
Marseilles ... ..	63	43	b, bc	Ins.	Geneva ... ..	Not received			Ins.
Utrecht ... ..	55	41	o, o	-	Berne ... ..				
Copenhagen ... ..	48	41	bc, f	?	Lucerne ... ..				
Prague ... ..	50	41	b, b	-	Lausanne ... ..				
Vienna ... ..	52	43	r, b	0.08	Lugano ... ..				
Buda-Pesth ... ..	55	46	o, b	-	Locarno ... ..				
St. Petersburg ... ..	43	36	r, m	0.24					
Rome ... ..	59	51	o, b	0.24					
Malta ... ..	70	63	c	0.08					
Madeira (Funchal) ...	75	59	bc, 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.

	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 ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.		

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

21. Oct., 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	h. m. 6.30	h. m. 11.38	h. m. 4.46
Greenwich ... ..	6.35	11.45	4.55
Wick ... ..	7.3	11.57	4.51
Valencia ... ..	7.17	12.26	5.34

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.

† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 22<sup>nd</sup> October, 1902

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.	Rainfall.		
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.)	Weather.	Max.	Min.	Hours	Ins.						
Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	°	°	°	°	°	°	°	°	°	°	°	°	°	°		
SCANDINAVIA.	Haparanda ...	30.10	24	E	6	0	30.20	+ .11	29	?	+ 7	E	4	0	*	-	29	19	*	-	
	Hernösand ...	29.89	36	Z	0	0	29.99	+ .11	36	36	0	E	2	r	*	-	37	32	*	0.16	
	Stockholm ...	29.69	42	SE	2	r	29.74	- .12	42	41	+ 7	ESE	6	r	*	-	45	28	*	0.63	
	Wisby ...	29.52	44	SSE	2	0	29.56	- .24	44	43	+ 2	Z	0	0	*	-	46	32	*	0.63	
	Karlstad ...	29.56	38	NE	4	r	29.81	+ .12	38	37	+ 1	NNE	2	r	*	-	*	*	*	0.59	
	Færder (X'iania Fjord) ...	29.65	40	NNW	5	0	29.85	+ .30	39	37	- 2	NNW	4	bc	2	-	41	38	*	0.67	
	Bodö ...	29.73	37	ESE	6	bc	29.86	+ .18	39	35	+ 7	S	1	m	0	-	39	30	*	-	
	Christiansund ...	29.67	45	ESE	3	0	29.74	+ .17	43	39	0	SSE	3	c	3	-	46	39	*	0.04	
	Skudesnaes ...	29.76	44	NNW	5	r	29.85	+ .26	46	44	+ 3	S	2	c	2	c, r	50	41	*	*	
BRITISH ISLANDS.	Sumburgh Head ...	29.61	46	W	3	0	29.77	+ .22	44	42	- 1	WNW	2	bc	3	bc	50	42	*	0.08	
	Stornoway ...	29.68	46	WSW	2	c	29.87	+ .25	41	40	- 2	NW	3	bc	3	bc, bc	53	39	5.3	0.06	
	Malin Head ...	29.84	50	SW	6	bc, r	29.98	+ .18	51	49	+ 4	WNW	5	bc	4	bc, bc	52	47	*	0.22	
	Holyhead ...	29.86	53	SW	6	bc, r	30.08	+ .16	52	51	+ 3	WSW	3	r	3	bc, r	54	48	*	0.10	
	Valencia ...	30.10	53	WSW	4	c, m	30.20	+ .13	58	56	+ 8	WNW	6	bc	6	bc, c, m	58	49	5.8	0.38	
	Roche's Point ...	30.11	52	W	4	c	30.17	+ .09	54	51	+ 9	WNW	4	c	3	c	55	44	*	0.07	
	Parsonstown ...	30.03	48	SE	2	bc	30.12	+ .11	47	46	+ 7	W	2	c	*	bc, bc	53	39	6.9	0.19	
	Donaghadee ...	29.95	49	WNW	2	bc	29.98	+ .10	48	47	+ 6	NW	4	bc	3	bc	54	40	*	0.09	
	Liverpool Obsy. ...	30.04	48	WSW	3	bc	29.91	- .04	50	47	+ 3	WNW	8	o	6	bc	53	45	*	0.14	
GERMANY, &c.	Holyhead ...	30.04	49	WSW	3	cp	30.02	+ .06	52	49	+ 3	NW	7	cp	6	c, cp	54	47	*	0.15	
	Pembroke (St. Ann's) ...	30.12	53	W	5	c	30.11	+ .07	54	49	+ 2	NW	6	bc	5	c, cp	56	48	7.0	0.02	
	Scilly (St. Mary's) ...	30.20	54	WNW	4	c	30.20	+ .14	55	53	+ 2	W	6	o	4	c	57	51	9.0	-	
	Jersey (St. Aubins) ...	30.24	55	W	3	bc	30.22	+ .10	55	52	+ 2	SW	6	bc	4	bc	61	50	8.5	0.03	
	Portland Bill ...	30.18	55	NW	4	bc	30.09	+ .03	54	53	+ 2	NW	6	bc	5	bc	56	49	*	0.13	
	Dungeness ...	30.17	51	WNW	2	bc	30.07	+ .05	55	53	+ 8	W	5	o	2	bc, bc	60	42	*	-	
	Wick ...	29.67	45	W	2	bc	29.83	+ .21	38	36	- 4	NW	2	bc	1	-	51	37	*	0.03	
	Nairn ...	29.75	46	W	2	bc	29.87	+ .19	43	42	+ 1	WSW	2	c	1	-	52	39	*	0.08	
	Aberdeen ...	29.79	45	SSW	1	bc	29.87	+ .16	42	41	0	NW	3	c	1	bc, r	55	38	6.2	0.02	
FRANCE.	Leith ...	29.85	47	SW	3	bc	29.91	+ .08	46	45	+ 2	NW	2	bc	*	-	55	42	*	0.20	
	North Shields ...	29.90	51	WSW	2	c	29.82	- .01	46	45	+ 1	SW	2	c, m	2	bc, c	55	43	*	-	
	Spurn Head ...	30.02	49	W	4	bc	29.85	- .02	46	46	- 1	SSW	4	cp	3	-	54	43	*	0.10	
	Yarmouth ...	30.04	52	W	2	bc	29.96	+ .06	45	43	+ 1	SSW	4	bc	4	bc, bc	55	40	*	0.06	
	Loughborough ...	30.09	47	WSW	2	c	29.93	- .03	47	47	+ 4	SW	3	bc	*	bc, bc	57	43	*	0.14	
	Oxford ...	30.17	47	W	2	bc	30.01	- .02	49	48	+ 8	SW	3	c	*	bc, r	57	41	*	0.11	
	London (Brixton) ...	30.13	47	W	1	bc	30.01	- .01	49	48	+ 5	WSW	4	o, r	*	bc, bc	58	41	5.7	0.03	
	The Scaw (Skagen) ...	29.69	43	N	6	0	29.84	+ .39	44	40	- 4	NNW	3	bc	1	-	50	41	*	0.12	
	Fanö ...	29.88	48	W	6	c	29.95	+ .35	47	46	- 1	W	2	bc	*	-	52	46	*	0.12	
SPAN. PEN.	Cuxhaven ...	29.93	49	WNW	4	c	30.02	+ .35	45	44	- 6	SW	2	c	*	-	52	45	*	0.04	
	The Helder ...	30.02	51	WNW	3	bc	30.00	+ .18	52	48	0	SW	3	bc	3	-	54	50	*	0.04	
	Brussels ...	*	*	*	*	*	30.18	+ .23	44	43	- 4	SW	2	bc	*	-	55	40	*	-	
	Berlin ...	29.95	48	W	3	bc	30.10	+ .40	43	42	- 7	W	3	c	*	-	55	41	*	0.32	
	Frankfurt ...	30.21	47	WNW	2	bc	30.24	+ .42	41	40	- 15	SW	3	c	*	-	59	39	*	0.20	
	Munich ...	30.22	48	SW	3	c	30.25	+ .20	43	42	- 9	SE	2	o	*	-	61	39	*	0.12	
	C. Gris Nez ...	30.15	54	WSW	4	bc	30.12	+ .13	54	49	+ 5	WSW	4	bc	4	-	63	49	*	-	
	Brest ...	30.28	55	NW	2	bc	30.31	+ .16	55	52	+ 1	W	4	o	4	-	61	54	*	-	
	Lorient ...	30.28	55	W	5	c	30.34	+ .20	55	53	+ 1	WNW	5	bc	2	-	63	50	*	-	
SPAN. PEN.	Rochefort ...	30.26	59	NNW	3	0	30.36	+ .26	51	50	- 8	NNE	3	bc	*	bc, o	61	50	*	-	
	Biarritz ...	30.20	63	NNW	3	0	30.41	+ .19	54	53	- 8	Z	0	o	3	-	66	54	*	0.08	
	Paris ...	30.25	47	NW	3	bc	30.28	+ .28	40	40	- 13	S	3	bc	*	-	60	40	*	0.04	
	Belfort ...	30.21	49	WSW	3	0	30.26	+ .24	41	41	- 13	Z	0	f	*	-	59	41	*	0.16	
	Lyons ...	30.22	56	WNW	1	r	30.32	+ .12	48	46	- 5	NNW	1	o	*	-	69	47	*	0.08	
	Nice ...	30.12	56	Z	0	c	30.08	- .09	54	51	+ 1	E	1	c	1	-	64	52	*	-	
	Perpignan ...	30.19	62	Z	0	0	30.25	+ .05	60	54	+ 7	NW	3	o	*	-	72	53	*	0.08	
	Corunna ...																				
	Lisbon ...	30.25	61	N	4	bc	30.25	+ .03	59	57	- 2	NNW	5	bc	*	-	70	57	*	-	
Azores (P. Delgada) ...																					

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, 22<sup>nd</sup> October, 1902.*

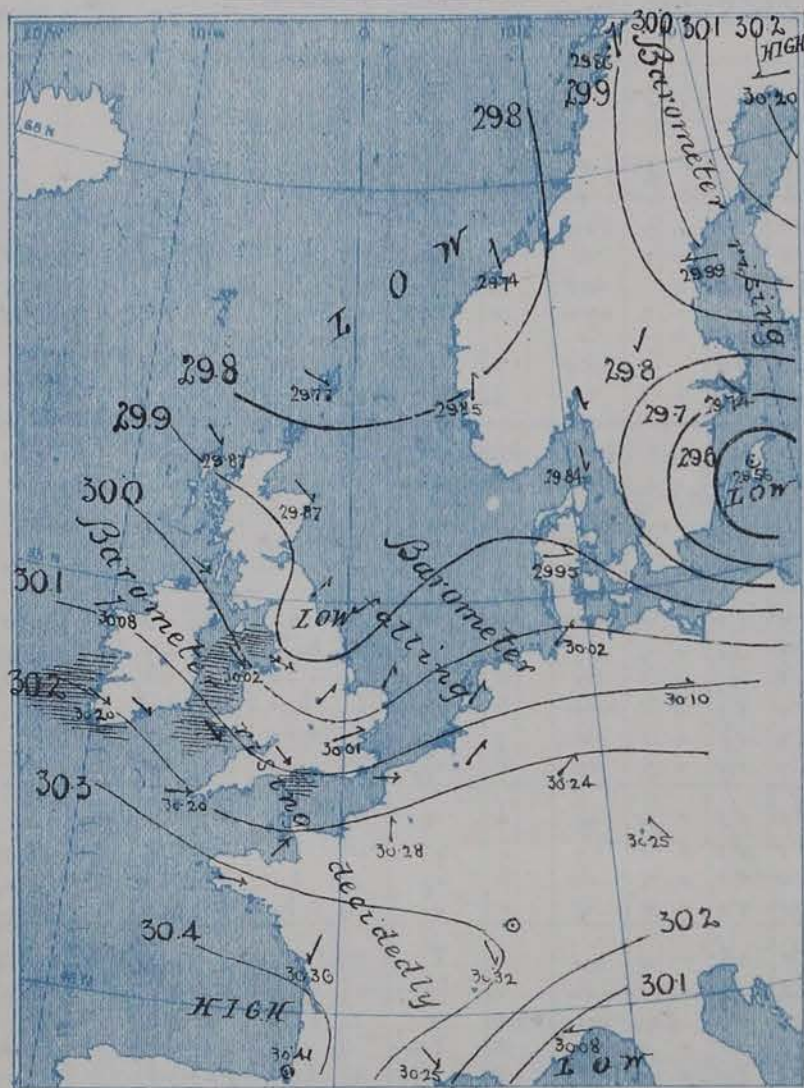
## I. BAROMETER, WIND AND SEA. *This Morning.*

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

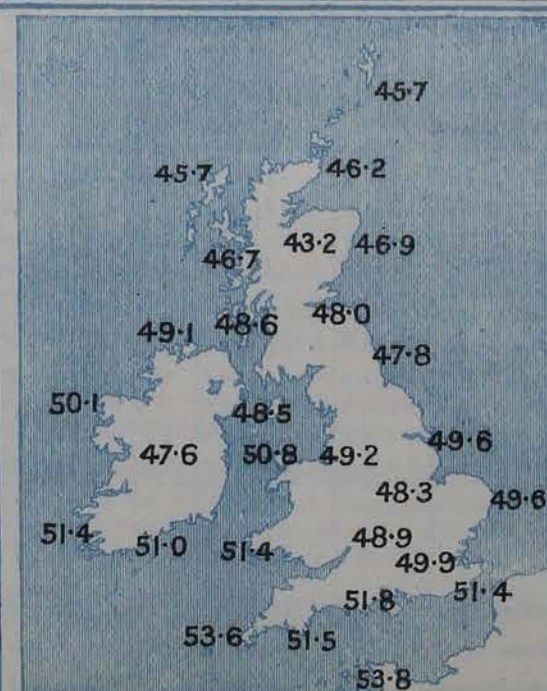


## III. BAROMETER AND WIND

*Yesterday morning.*



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



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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Barometric pressure this morning ranges from 30.20 ins. at Haparanda, and 30.41 ins. at Biarritz to 29.56 ins. at Wisby and below 29.8 ins. over the Shetlands and west of Norway. There is also a shallow secondary over the north of England in which readings are below 29.9 ins.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is light and variable from between SW and NW, over the extreme northern and northeastern parts of our Islands, but is moderate to very strong from the same quarters over many parts of Ireland, England and the English Channel; in central France it is very light.

Temperature has fallen fast over France, but is higher over Ireland and England than it was yesterday, though unsteady generally. It ranges from 58° at Valencia to 38° at Wick. The southern readings are much above the average, those in the north are low — especially that at Wick.

The weather has become very changeable and rainy over Ireland, England and the Channel as well as in the South of Sweden, but is fair over Scotland and France. The sea is rough in the west, rather so in the south.

Yesterday the maximum temperatures exceeded 55° at most of our stations and touched 61° at Jersey; 63° at Lorient.

Rain fell very generally at some part of the day — heavily in Sweden.

Bright Sunshine has been very considerable — 9.8 hrs. at Eastbourne.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Varying W<sup>2</sup> (NW to SW) winds are probable, with showery weather at intervals, and, on the whole, mild weather.

## FORECASTS \*

For the 24 hours ending at NOON on 23<sup>rd</sup> OCT. 1902

### DISTRICTS.

### FORECASTS.

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

NW<sup>2</sup> to SW<sup>2</sup> winds, moderate; changeable from showery to fair.

W<sup>2</sup> to NW<sup>2</sup> winds, fresh; showery to fair, cold tonight.

### 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.

NW<sup>2</sup> to SW<sup>2</sup> winds, fresh to moderate, changeable, showery.

### 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 Inch.
					Ins.	Change.	Dry.	Wet.	Change.					Max. °	Min. °		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	0	*	b, c	55	42	8.3	0.07
Newton Reigny (Penrith)	29.93	45	sw 2	b	29.82	-0.02	47	47	+ 2	wnw 2	0	*	b, c, r, g	52	43	4.0	0.12
Bath ... ..	30.15	49	s 1	0	30.04	0.00	51	50	+ 12	sw 1	b	*	-	57	39	8.0	0.07

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	54	37	c	8.4	-	Worthing ... ..	*	*	*	9.2	*
Birmingham, 9 p.m. ...	57	41	b	6.6	-	Llandudno ... ..	*	*	*	6.8	*
Lowestoft, up to 6 p.m. ...	55	40	b, w	8.0	-	Rhyl up to 6 p.m. ...	*	*	*	7.5	*
Hastings ... ..	*	*	*	9.0	*	Southport, 9 p.m. ...	54	48	c, b, c	7.8	0.01
Eastbourne up to 6 p.m. ...	*	*	*	9.8	*	Manchester, 9 p.m. ...	58	39	b, c	4.0	0.02
Brighton ... ..	*	*	*	3.7	*	Darwen, 9 p.m. ...	52	42	c, w	6.8	0.07

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

STATIONS. OCT 21 <sup>ST</sup>		TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. OCT 20 <sup>TH</sup>		TEMPERATURE, F.		WEATHER. 1 p.m.	RAIN. (measured at 7 a.m.)
		Max. °	Min. °					at 1 p.m. °			
Marseilles ... ..		64	48	b, o	Ins.	Geneva ... ..		59		c	—
Utrecht... ..		55	48	o, bc	0.24	Berne ... ..		54		o	0.08
Copenhagen... ..		48	43	r, r	0.35	Lucerne ... ..		57		c	0.20
Prague ... ..		54	41	o, o	0.04	Lausanne... ..		54		b	0.12
Vienna ... ..		54	46	o, o	—	Lugano ... ..		59		b	—
Buda-Pesth ... ..		55	46	o, c	—	Locarno ... ..		57		b	—
St. Petersburg ... ..		41	30	s, o	0.04						
Rome ... ..		66	48	b, o	—						
Malta ... ..		74	65	?, bc	—						
Madeira (Funchal) ... ..		75	57	o, 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.

	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 ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon)	8.36 a.m.		

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

22. OCT., 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	h. m. 6.32	h. m. 11.38	h. m. 4.43
Greenwich ... ..	6.38	11.45	4.52
Wick ... ..	7.6	11.57	4.48
Valencia ... ..	7.19	12.26	5.32

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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.

† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on Thursday, 23<sup>rd</sup> October, 1902

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.	Rainfall.		
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.	Hours	Ins.							
Ins.	Ins.	°	°	Ins.	Ins.	°	°	°	°	Ins.	Ins.	°	°	Ins.	Ins.						
SCANDINAVIA.	Haparanda ...	30.27	16	E	2	0	30.34	+0.14	16	14	+13	SE	2	0	*	-	29	12	*	-	
	Hernösand ...	30.17	35	Z	0	0	30.25	+0.26	32	31	-4	Z	0	c	*	-	37	32	*	-	
	Stockholm ...	30.11	39	Z	0	7	30.28	+0.54	37	37	-5	WNW	2	0	*	-	43	37	*	0.12	
	Wisby ...	29.91	41	NW	4	7	30.26	+0.70	39	37	-5	Z	0	0	*	-	46	36	*	0.04	
	Karlstad ...	30.12	39	N	2	0	30.29	+0.48	38	37	0	NE	2	0	*	-	*	*	*	0.04	
	Færder (X'ianta Fjord) ...	30.11	43	NE	2	0	30.28	+0.43	43	40	+4	SSW	1	0	2	-	43	37	*	-	
	Bodö ...	29.95	37	E	5	8	29.93	+0.07	39	35	0	E	4	8	2	-	39	16	*	-	
	Christiansund ...	29.99	44	SE	3	0	29.96	+0.22	44	39	+1	SE	4	c	3	-	50	43	*	-	
BRITISH ISLANDS.	Skudesnaes ...	30.10	41	Z	0	8	30.21	+0.36	48	46	+2	S	6	0	3	-	48	41	*	-	
	Sumburgh Head ...	29.97	44	W	1	8	29.82	+0.05	52	50	+8	W	4	0	5	8	52	42	*	0.25	
	Stornoway ...	29.96	50	SW	4	om	29.90	+0.03	56	53	+15	W	5	og	5	bm,ou	56	38	4.6	0.02	
	Malin Head ...	30.11	54	W	5	om p	30.17	+0.19	55	53	+4	W	5	c	4	c,om p	55	50	*	0.01	
	Blacksod Pt. ...	30.22	55	SW	4	cm	30.23	+0.15	57	53	+5	SSW	6	om	4	cm p,cm	58	51	*	0.07	
	Valencia... ..	30.37	57	WSW	3	0	30.42	+0.22	56	53	-2	SSW	2	0	4	om,0	58	53	0.0	0.01	
	Roche's Point ...	30.35	57	NW	3	0	30.45	+0.28	55	54	+1	WSW	1	c	2	0	59	52	*	0.02	
	Parsonstown ...	30.29	55	W	4	0	30.37	+0.25	53	51	+6	SW	3	0	*	cg,0	58	46	0.6	0.01	
	Donaghadee ...	30.17	52	WSW	2	0	30.29	+0.31	53	51	+5	WSW	2	0	3	-	56	52	*	-	
	Liverpool Obsy. ...	30.25	48	NW	3	8	30.40	+0.49	53	51	+3	W	3	c	3	p,8	54	48	*	0.03	
	Holyhead ...	30.26	52	W	2	dm	30.39	+0.37	54	53	+2	WSW	2	c	1	bc,dm	54	49	*	0.06	
	Pembroke (St. Ann's) ...	30.30	55	WNW	4	0	30.43	+0.32	55	54	+1	WNW	4	cm g	3	o,p	57	49	?	-	
	Scilly (St. Mary's)... ..	30.33	56	WNW	5	om	30.49	+0.29	56	54	+1	W	4	cm	3	o,om	59	53	1.6	-	
	Jersey (St. Aubins)... ..	30.31	57	WNW	3	bc	30.49	+0.27	58	55	+3	WNW	2	om p	2	c,8c	60	53	4.5	0.04	
	Portland Bill ...	30.27	56	NW	5	bc	30.48	+0.39	55	54	+1	WNW	3	c	1	c,8c	57	50	*	0.04	
	Dungeness ...	30.16	52	NNW	4	og	30.47	+0.40	44	44	-11	N	2	m	1	c,og	56	41	*	0.24	
GERMANY, &c.	Wick ... ..	30.02	50	W	3	bc	29.95	+0.12	50	48	+12	W	2	0	1	-	54	38	*	0.05	
	Nairn ... ..	30.04	50	Z	0	c	30.00	+0.13	56	53	+13	SW	4	c	3	-	56	42	*	-	
	Aberdeen ... ..	30.11	42	W	1	8	30.09	+0.22	52	50	+10	SSE	2	c	1	bc,8	53	41	6.0	-	
	Leith ... ..	30.12	48	WSW	1	8	30.18	+0.27	55	52	+9	SW	4	0	*	-	58	44	*	-	
	North Shields ... ..	30.14	50	N	1	c	30.27	+0.45	53	51	+7	SW	2	cm w	2	c	53	42	*	-	
	Spurn Head ... ..	30.14	50	NNW	4	c	30.37	+0.52	49	48	+3	SW	3	m	2	-	54	45	*	-	
	Yarmouth ... ..	30.05	51	NW	4	cp	30.38	+0.42	45	44	0	W	3	bc f	3	o,cp	52	41	*	0.04	
	Loughborough ... ..	30.22	48	WNW	1	bc	30.41	+0.48	47	46	0	Z	0	om w	*	bc,com	55	38	*	-	
FRANCE.	Oxford ... ..	30.33	46	NW	1	8	30.47	+0.46	47	46	-2	S	1	f	*	8,m	55	41	*	-	
	London (Brixton) ... ..	30.14	51	NW	3	8	30.45	+0.44	44	43	-5	S	1	0	*	od,8	55	39	0.5	0.03	
	The Scaw (Skagen) ... ..	30.10	44	NNE	1	c	30.30	+0.46	45	44	+1	Z	0	c	0	-	46	43	*	-	
	Fanö ... ..	30.15	42	Z	0	8	30.35	+0.40	39	38	-8	ENE	2	m	*	-	52	36	*	-	
	Cuxhaven ... ..	30.10	49	W	1	bc	30.34	+0.32	46	45	+1	N	1	8	*	-	52	45	*	-	
	The Helder ... ..	30.01	47	SSW	1	8	30.35	+0.35	46	46	-6	W	1	m	1	-	55	41	*	0.08	
	Brussels... ..	*	*	*	*	*	30.41	+0.23	44	44	0	NNE	1	f	*	-	54	41	*	0.12	
	Berlin ... ..	30.13	46	WSW	2	0	30.30	+0.20	41	40	-2	WNW	1	c	*	-	54	39	*	0.04	
SPAN. PEN.	Frankfurt ... ..	30.18	47	SW	2	0	30.32	+0.08	46	45	+5	N	2	c	*	-	55	41	*	0.12	
	Munich ... ..	30.28	42	W	3	bc	30.30	+0.05	40	40	-3	E	3	r	*	-	46	39	*	0.04	
	C. Gris Nez ... ..	30.13	54	WNW	6	0	30.41	+0.29	49	48	-5	N	3	0	4	-	55	48	*	0.67	
	Brest ... ..	30.39	56	NW	3	0	30.52	+0.21	56	55	+1	NNW	3	0	1	-	59	54	*	-	
	Lorient ... ..	30.38	57	NW	5	c	30.50	+0.16	56	55	+1	NW	3	c	3	-	61	54	*	-	
	Rochefort ... ..	30.33	58	W	5	c	30.45	+0.09	53	52	+2	NNE	3	c	*	-	63	50	*	-	
	Biarritz ... ..	30.49	59	NNW	8	bc	30.51	+0.10	56	55	+2	ENE	2	0	3	-	61	54	*	0.16	
	Paris ... ..	30.22	51	WNW	3	8	30.41	+0.13	45	44	+5	NNW	3	c	*	-	57	48	*	0.04	
SPAN. PEN.	Belfort ... ..	30.23	46	WSW	4	8	?		44	44	+3	WSW	4	0	*	-	55	41	*	0.12	
	Lyons ... ..	30.35	49	NNW	1	8	30.36	+0.04	46	44	-2	NNW	2	0	*	-	58	46	*	-	
	Nice ... ..	30.01	57	Z	0	c	30.06	-0.02	54	51	0	Z	0	bc	1	-	64	52	*	-	
	Perpignan ... ..	30.33	57	NW	3	8	30.30	+0.05	57	49	-3	W	4	8	*	-	60	54	*	-	
SPAN. PEN.	Corunna ... ..																				
	Lisbon ... ..																				
	Azores (P. Delgada) ... ..																				

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, 23<sup>rd</sup> October, 1902.*

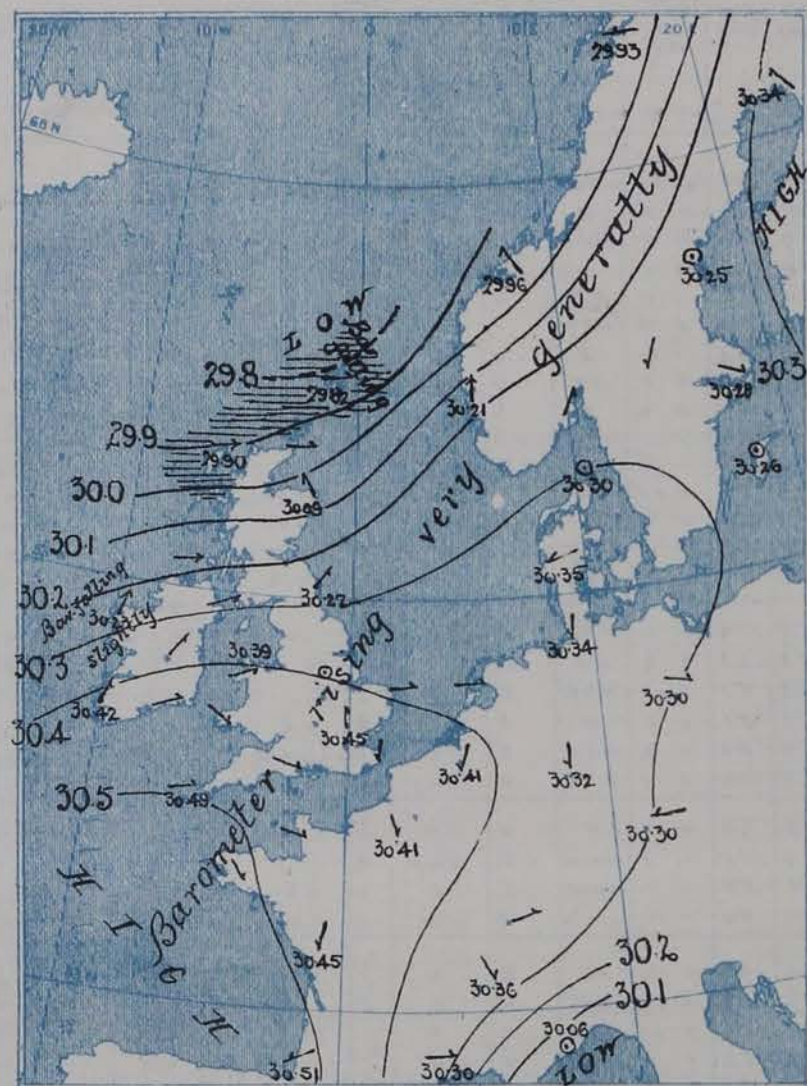
## I. BAROMETER, WIND AND SEA. *This Morning.*

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

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

Force above 10  $\Rightarrow$  : Force 5 to 7  $\Rightarrow$  } Calm  $\odot$   
Force 8 to 10  $\Rightarrow$  : Force 1 to 4  $\Rightarrow$

SEA.—Rough  $\square$  High  $\square$



## 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 OCTOBER. (1871-1900.)



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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Since yesterday the barometer has risen over the whole of our area—most at Llyn Head—and readings now range from 30.5 ins. and more over the Bay of Biscay and 30.34 ins. at Haparanda and Cusshaven to 29.82 ins. at Lumburgh Head. The gradients are more decided over Scotland and the west of Norway than elsewhere.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The winds are very light, and mainly anticyclonic over France, Germany and the south of England; in the north of our Islands they are W<sup>ly</sup> but in the west of Ireland they have backed to SSW, and blow strongly at Blacksod Pt. In Norway they are S<sup>ly</sup> to E<sup>ly</sup>. Temperature has fallen decidedly over our southeastern counties, risen fast in Scotland, slowly in the north of Ireland. Narvik is 12° and Blacksod 13° warmer than London. The Scotch readings (50° to 56°) are much higher than the average.

The weather in our Islands is cloudy generally, especially in the far west; at Stormoway it is squally; over the inland parts of England fog or haze is prevalent. Sea is rather rough in the far north, moderate in the extreme west, slight or smooth elsewhere.

During yesterday the shade temperature touched 60° at Jersey and 58° at Aberdeen as well as in the west of Ireland. Some rain fell at several stations, mostly in the north and west, and also over Germany and various parts of France. The amount of Bright Sunshine varied considerably locally.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new disturbance is apparently coming towards Ireland from the Atlantic, and changeable weather is again probable, with a rise of temperature over England.

## FORECASTS \*

For the 24 hours ending at NOON on 24<sup>TH</sup> OCT. 1902

### DISTRICTS.

### FORECASTS.

0	{ SCOTLAND NORTH	} W <sup>ly</sup> to SW <sup>ly</sup> or S <sup>ly</sup> winds, fresh- ening; some rain.
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	
3	{ ENGLAND EAST	
4	{ MIDLAND COUNTIES	
5	{ ENGLAND SOUTH	Calms and SW <sup>ly</sup> breezes; fair at first, and milder; uncertain later.

### DISTRICTS.

### FORECASTS.

6	{ SCOTLAND WEST	} Same as N <sup>o</sup> 0.
7	{ ENGLAND N.W.	
8	{ ENGLAND S.W.	} SW <sup>ly</sup> winds, freshening; fair to showery.
9	{ IRELAND NORTH	
10	{ IRELAND SOUTH	} S <sup>ly</sup> and SW <sup>ly</sup> winds, freshening; showery.

### 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. Ins. Change.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature Max. Min.	Sun- shine Hrs.	Rainfall Ins.
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	bc	*	o, c	54 40	0.8	0.03
Newton Reigny (Penrith) ...	30.13	43	w 1	bc	30.27 +.45	52	50	+ 5	WSW 2	o	*	c	53 40	4.3	-
Bath ... ..	30.62	52	NE 1	o	30.46 +.42	53	52	+ 2	N 1	o	*	-	57 42	7.3	-

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	54	43	c	2.9	0.32	Worthing ... ..	*	*	*	4.7	*
Birmingham, 9 p.m. ...	54	41	bc	1.1	0.04	Llandudno ... ..	*	*	*	5.7	*
Lowestoft, up to 6 p.m. ...	53	39	cg	3.2	0.03	Rhyl up to 6 p.m. ...	*	*	*	6.7	*
Hastings ... ..	*	*	*	4.0	*	Southport, 9 p.m. ...	55	43	cr, bc	6.1	0.26
Eastbourne up to 6 p.m. ...	*	*	*	2.4	*	Manchester, 9 p.m. ...	57	42	bc	4.2	0.22
Brighton ... ..	*	*	*	1.7	*	Darwen, 9 p.m. ...	50	38	om	3.6	0.70

## 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.				at 1 p.m.	at 1 p.m.		
22 <sup>nd</sup> OCT.				Ins.	21 <sup>st</sup> OCT				Ins.
Marseilles ... ..	70	52	o, o	-	Geneva ... ..	66	c	-	-
Utrecht ... ..	57	39	b, m	-	Berne ... ..	59	o	0.04	-
Copenhagen ... ..	52	43	o, b	0.08	Lucerne ... ..	66	c	0.04	-
Prague ... ..	63	43	c, o	0.12	Lausanne ... ..	57	bc	-	-
Vienna ... ..	55	46	o, o	0.12	Lugano ... ..	57	c	-	-
Buda-Pesth ... ..	59	50	b, b	-	Locarno ... ..	57	bc	-	-
St. Petersburg ... ..	34	25	c, o	-					
Rome ... ..	67	52	b, o	-					
Malta ... ..	71	65	?, o	-					
Madeira (Funchal) ... ..	75	46	b, 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.

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	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 ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon)	8.36 a.m.		

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

23. OCT., 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6.34	11.37	4.40
Greenwich ... ..	6.39	11.44	4.49
Wick ... ..	7.8	11.56	4.45
Valencia ... ..	7.21	12.25	5.30

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† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on Friday, 24<sup>th</sup> October,

1902

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.)		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.
SCANDINAVIA.	Haparanda	30.14	19	SE	4	0	29.59	-0.75	30	30	+14	S	6	S	-	43	14	*	0.12		
	Hernösand	30.02	38	SW	6	0	29.69	-0.56	42	40	+10	Z	0	0	-	42	28	*	-		
	Stockholm	?	42	Z	0	0	29.86	-0.42	45	44	+8	WSW	6	0	-	45	34	*	-		
	Wisby	30.29	40	W	2	0	29.99	-0.27	49	48	+10	WSW	6	0	-	49	36	*	-		
	Karlstad	30.23	45	SW	6	0	29.94	-0.31	51	49	+13	SW	4	0	-	51	38	*	-		
	Färder (X'ania Fjord)	30.18	48	SW	6	0	29.97	-0.31	49	48	+6	SW	6	m	3	49	43	*	-		
	Bodö	29.45	42	E	6	7	29.39	-0.54	41	39	+2	SW	6	c	3	45	37	*	0.71		
	Christiansund	29.65	55	SW	6	7	29.73	-0.23	42	40	-2	W	3	7	3	55	41	*	2.28		
	Skudesnaes	30.14	50	SSW	4	0	30.05	-0.16	51	50	+3	SW	6	0	4	51	47	*	-		
	Sumburgh Head	29.80	53	SW	7	7	29.76	-0.06	51	50	-1	WSW	4	7	6	53	50	*	0.33		
Stornoway	29.93	56	WSW	5	0.02	29.92	+0.02	52	52	-4	W	4	7	5	57	51	0.0	0.20			
Malin Head	30.19	55	SW	6	0.99	30.13	-0.06	54	53	-1	SW	7	0.9	5	58	53	*	-			
Blacksod Pt.	30.24	57	SSW	7	0.01	30.20	-0.03	57	54	0	S	7	0.9m	6	58	54	*	-			
Valencia	30.44	57	SSW	3	0	30.39	-0.03	58	55	+2	S	5	0.9	5	58	54	0.0	0.01			
BRITISH ISLANDS.	Roche's Point	30.47	56	W	3	0	30.46	+0.01	57	55	+2	SW	3	c	3	59	52	*	0.03		
	Parsonstown	30.41	55	SW	4	0	30.36	-0.01	55	52	+2	S	3	0	0.9	57	52	0.0	-		
	Donaghadee	30.31	56	WSW	3	0.9	30.27	-0.02	54	51	+1	W	3	0.9	3	57	44	*	-		
	Liverpool Obsy.	30.44	54	W	2	0	30.44	+0.04	53	50	0	SW	2	0.0	2	58	49	*	-		
	Holyhead	30.41	55	SW	3	0.01	30.42	+0.03	55	53	+1	WSW	3	0	2	56	53	*	-		
	Pembroke (St. Ann's)	30.47	56	WSW	4	0	30.50	+0.07	56	52	+1	SW	4	0.9	3	57	54	1.3	-		
	Scilly (St. Mary's)	30.54	56	WSW	3	cw	30.54	+0.05	56	54	0	SW	3	c	5	60	53	4.8	-		
	Jersey (St. Aubins)	30.54	59	NW	2	0.01	30.59	+0.10	48	47	-10	NW	3	0.01	3	60	45	0.0	0.01		
	Portland Bill	30.52	57	WNW	1	c	30.56	+0.08	57	51	+2	WNW	1	0.0	1	59	48	*	-		
	Dungeness	30.52	53	N	1	0	30.55	+0.08	55	55	+11	SW	3	0.0	1	55	44	*	-		
Wick	29.96	55	W	4	0	29.91	-0.04	53	53	+3	W	2	7	2	58	47	*	0.08			
Nairn	30.04	57	WSW	4	c	29.98	-0.02	56	54	0	WSW	4	c	2	60	53	*	-			
Aberdeen	30.11	55	SSE	2	0	30.05	-0.04	55	50	+3	SW	2	c	1	56	51	0.4	-			
Leith	30.18	54	SW	3	c	30.17	-0.01	55	50	0	SW	4	c	2	57	53	*	-			
North Shields	30.27	55	SSW	1	c	30.27	0.00	56	51	+3	SW	3	c	2	60	51	*	-			
Spurn Head	30.37	55	SSW	3	c	30.42	+0.05	52	50	+3	SSW	3	c	2	57	48	*	-			
Yarmouth	30.42	52	WSW	2	c	30.48	+0.10	52	50	+7	WSW	3	0.0	2	53	42	*	-			
Loughborough	30.46	55	SW	2	0	30.50	+0.09	52	48	+5	SW	2	0	0.0	59	47	*	-			
Oxford	30.53	54	WSW	2	0	30.56	+0.09	51	49	+4	WSW	1	0	0	59	47	*	-			
London (Brixton)	30.50	52	SW	1	0	30.55	+0.10	47	46	+3	WSW	1	0.0	0.9	54	44	0.0	-			
GERMANY, &c.	The Scaw (Skagen)	30.30	49	SW	3	0	30.16	-0.14	51	50	+6	WSW	5	m	1	52	45	*	-		
	Fanö	30.42	50	SSW	4	c	30.37	+0.02	51	51	+12	SW	4	m	2	52	39	*	-		
	Cuxhaven	30.50	46	Z	0	0	30.48	+0.14	47	46	+1	SSW	3	0	0	50	43	*	-		
	The Helder	30.47	49	ESE	1	0	30.48	+0.13	47	46	+1	SW	3	0	0	57	46	*	-		
	Brussels	*	*	*	*	*	30.62	+0.21	43	42	-1	Z	0	0	0	56	40	*	-		
	Berlin	30.51	46	W	1	0	30.61	+0.31	34	33	-7	SW	1	f	0	48	32	*	-		
	Frankfurt	30.56	44	NE	1	0	30.66	+0.34	34	34	-12	E	1	f	0	57	34	*	-		
	Munich	30.51	41	SW	3	0	30.63	+0.33	31	31	-9	SE	3	f	0	45	30	*	0.12		
C. Gris Nez	30.51	51	Z	0	c	?		53	50	+4	?	3	0	2	57	48	*	-			
Brest	30.58	55	Z	0	c	30.57	+0.05	49	49	-7	Z	0	0	2	59	48	*	-			
Lorient	30.54	59	Z	0	c	30.58	+0.08	54	50	-2	ENE	2	0.0	2	66	50	*	-			
Rochefort	30.48	57	N	3	0.0	30.49	+0.04	47	46	-6	NNE	3	0	0.0	61	45	*	-			
Biarritz	30.52	59	N	3	0.0	30.46	-0.05	46	?	-10	N	1	0	0	61	46	*	-			
Paris	30.54	49	NNE	3	0	30.60	+0.19	36	36	-9	NE	2	0	0	57	36	*	-			
Belfort	30.43	44	ENE	4	0	?		37	37	-7	ENE	4	f	0	52	36	*	-			
Lyons	30.44	46	NNW	2	0	30.43	+0.07	41	39	-5	N	2	0	0	53	40	*	0.04			
Nice	30.14	52	Z	0	0.0	30.19	+0.13	50	40	-4	ENE	3	0	0	63	48	*	-			
Perpignan	30.33	56	W	4	0	30.32	+0.02	51	45	-6	W	3	0	0	63	50	*	-			
SPAN. PEN.	Corunna																	*	-		
	Lisbon	30.30	63	NNE	4	0	30.27	-0.08	59	52	+2	NNE	4	0	0	70	57	*	-		
	Azores (P. Delgada)																	*	-		

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, 24<sup>th</sup> October, 1902.*

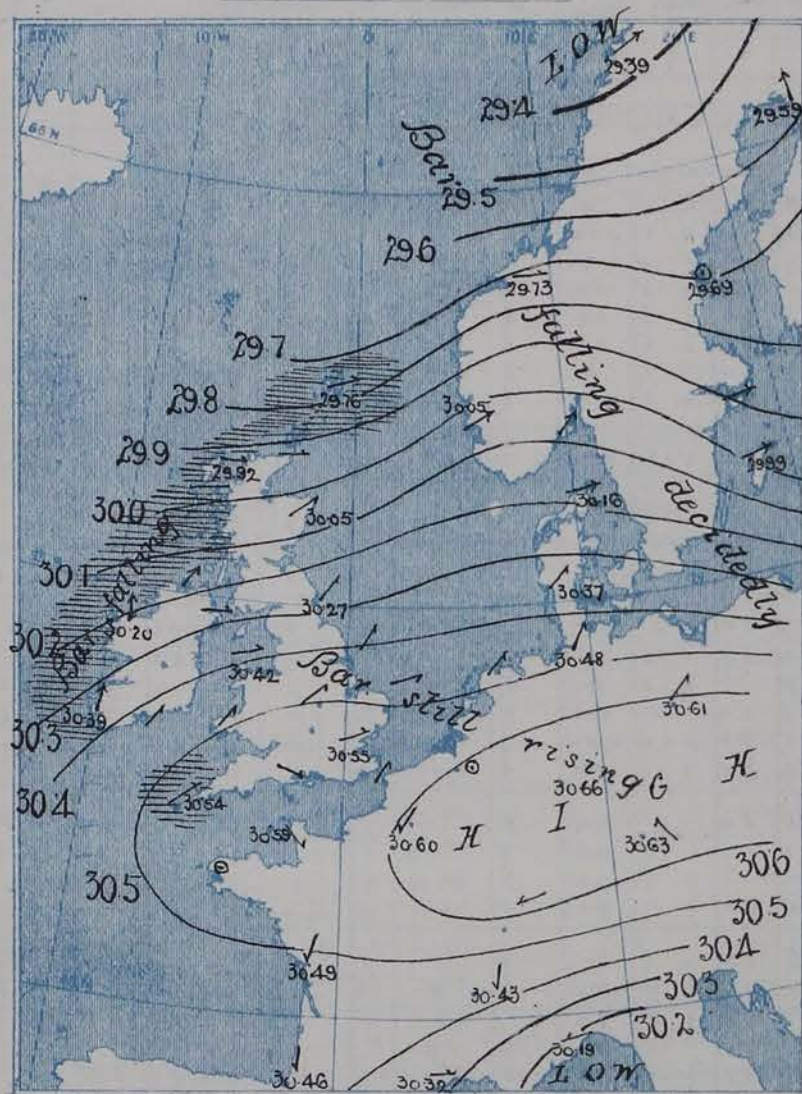
## I. BAROMETER, WIND AND SEA. *This Morning.*

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°.

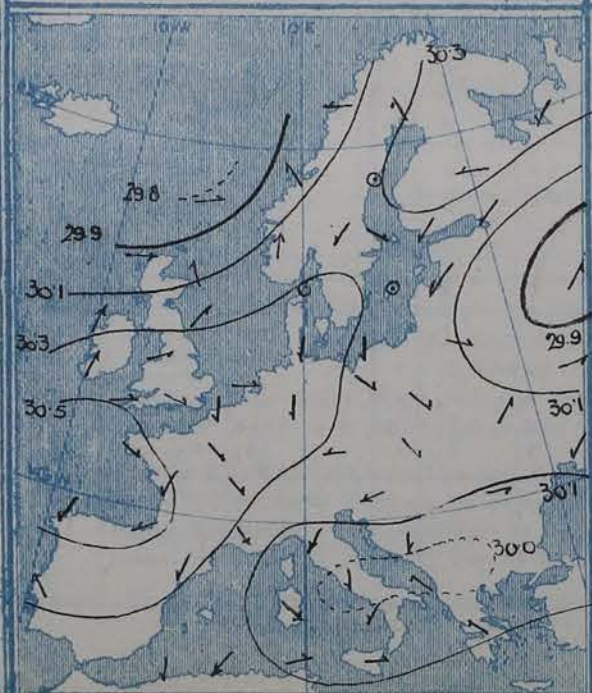
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

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 OCTOBER. (1871-1900.)



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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

A further increase of barometric pressure has taken place over Germany, France and England since yesterday, a decided decrease over Scandinavia, and a slight decrease in the north of Scotland as well as at several of the Irish stations. Barometric readings now vary from 30.66 ins. at Frankfurt and 30.54 ins. at Scilly to 29.76 ins. at Lumburgh Head, and 29.39 ins. at Bodø.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is blowing very strongly from SW over Norway, and a moderate breeze from W in Scotland. Over Germany, France and the greater part of England it is very light and anticyclonic, while in the northwest of Ireland it is blowing a moderate gale from S.

Temperature has risen considerably over England, rapidly over Sweden and the south of Norway, fallen over Central Europe. It now ranges from 58° at Valencia and 57° at Portland to 51° at Sumburgh H. and is much above the average over the Kingdom generally. Portland Bill is 21° warmer than Paris, and 11° warmer than London. The weather is very rainy in the far north, gloomy in the extreme west, fair over England. Sea is rough in the extreme north and west. A considerable "ground-swell" prevails at Scilly.

The maximum temperatures yesterday ranged between 57° and 60° in many parts of the British Islands. A great deal of rain fell at Christiansund, less in the north of Scotland and only slight quantities, sporadically, elsewhere. Bright sunshine was very deficient except at Scilly.

**NOTICE.** Owing to the Operation of the Factory Act, the Daily Weather Report for tomorrow (Saturday) cannot be issued till Monday.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is now falling a little in the west of Ireland, and a new depression is advancing which will probably cause more general disturbance than that now passing off in the North.

## FORECASTS \*

For the 24 hours ending at NOON on 25<sup>TH</sup> OCT. 1902

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
10	{ SCOTLAND NORTH	Wind backing to S again; force uncertain. Showery.	10	{ SCOTLAND WEST	S <sup>W</sup> and SW winds, strong; showery.
1	{ SCOTLAND EAST		7	{ ENGLAND N.W.	
2	{ ENGLAND N.E.	SW <sup>W</sup> winds, light or moderate; fair.	8	{ ENGLAND S.W.	
3	{ ENGLAND EAST		9	{ IRELAND NORTH	
4	{ MIDLAND COUNTIES		10	{ IRELAND SOUTH	
5	{ ENGLAND SOUTH		WARNINGS		At 7.20 p.m. to Districts 0, 6 and part of 9. "Hot 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	*	*	*	*	*	*	*	*	*	*	c	*	bc, m	53	44	2.5	-
Newton Reigny (Penrith)	30.30	54	WSW 5	c	30.30	+ .03	53	49	+ 1	SW 3	c	*	o, c	56	52	0.0	-
Bath	30.50	55	NW 1	o	30.55	+ .09	52	49	- 1	W 1	c	*	-	62	49	2.0	-

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	58	41	c, w	1.5	-	Worthing ... ..	*	*	*	0.0	*
Birmingham, 9 p.m. ...	59	44	o	0.3	-	Llandudno ... ..	*	*	*	0.2	*
Lowestoft, up to 6 p.m. ...	53	41	o, m	0.0	-	Rhyl up to 6 p.m. ...	*	*	*	2.7	*
Hastings ... ..	*	*	*	0.3	*	Southport, 9 p.m. ...	56	50	o, c	0.8	0.01
Eastbourne up to 6 p.m. ...	*	*	*	0.1	*	Manchester, 9 p.m. ...	63	45	o	0.6	0.18
Brighton ... ..	*	*	*	0.0	*	Darwen, 9 p.m. ...	56	45	o, m	1.4	0.01

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

STATIONS. OCT 23.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS. OCT 22	TEMPERATURE, F. at 1 p.m.	WEATHER. 1 p.m.	RAIN (measured at 7 a.m.)
	Max. °	Min. °						
Marseilles ... ..	64	48	bc, b	Ins.	Geneva ... ..	55	b	0.16
Utrecht ... ..	55	37	bc, f	0.12	Berne ... ..	50	c	0.24
Copenhagen ... ..	52	39	b, m	-	Lucerne ... ..	50	c	0.39
Prague ... ..	50	37	b, f	-	Lausanne ... ..	52	b	0.28
Vienna ... ..	57	41	o, b	-	Lugano ... ..	54	o	-
Buda-Pesth ... ..	57	45	o, c	?	Locarno ... ..	52	o	-
St. Petersburg ... ..	30	27	o, o	-				
Rome ... ..	69	58	o, o	1.26				
Malta ... ..	75	66	?, o	-				
Madeira (Funchal) ... ..		Not	received	-				

## 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.

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British Isles, Belgium, Holland ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.		

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

24 OCT 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6.36	11.37	4.38
Greenwich ... ..	6.41	11.44	4.47
Wick ... ..	7.10	11.56	4.42
Valencia ... ..	7.23	12.25	5.28

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# DAILY WEATHER REPORT

for 8 a.m. on Saturday, 25<sup>th</sup> October, 1902

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.
SCANDINAVIA.	Haparanda ...	29.51	31	W	6	3	29.65	+0.6	30	27	0	W	2	3	-	36	18	*	0.04		
	Hernösand ...	29.82	38	Z	0	3	30.00	+0.31	36	33	-6	W	2	3	-	45	27	*	-		
	Stockholm ...	29.93	52	SW	6	0	30.08	+0.3	40	39	-5	W	2	3	-	54	37	*	-		
	Wisby ...	30.03	49	WSW	6	0	30.05	-0.33	48	46	-1	NW	2	0	-	52	36	*	0.04		
	Karlstad ...	29.89	51	SW	4	0	30.16	+0.18	39	37	-12	NW	2	3	-	*	*	*	-		
	Færder (X'iania Fjord)	29.91	50	SW	6	0	30.19	+0.22	46	44	-3	Z	0	3	-	50	45	*	-		
	Bodö ...	29.61	37	SW	7	0	29.72	+0.33	38	36	-3	W	7	0	-	41	35	*	0.20		
	Christiansund ...	29.89	43	W	4	0	30.25	+0.52	44	40	+2	WSW	6	0	-	44	42	*	0.63		
	Skudesnaes ...	30.04	50	W	4	7	30.32	+0.27	46	44	-5	NNW	6	0	-	52	45	*	-		
	Sumburgh Head	30.00	48	W	3	3	30.36	+0.60	44	40	-7	WNW	1	0	-	51	43	*	0.07		
BRITISH ISLANDS.	Stornoway ...	30.17	47	Z	0	3	30.35	+0.43	37	37	-15	Z	0	3	-	53	36	0.0	0.19		
	Malin Head ...	30.26	51	NW	4	0	30.31	+0.18	48	48	-6	ESE	4	0	-	55	46	*	0.03		
	Blacksod Pt. ...	30.32	51	N	2	0	30.26	+0.06	56	55	-1	SSW	5	0	-	59	48	*	0.76		
	Valencia ...	30.39	58	S	5	0	30.38	-0.01	55	53	-3	S	4	0	-	59	54	0.0	-		
	Roche's Point ...	30.44	56	SW	3	0	30.45	-0.01	55	53	-2	SW	4	0	-	58	54	*	0.01		
	Parsonstown ...	30.36	57	SW	3	0	30.39	+0.03	52	51	-3	SSE	2	0	-	59	52	0.1	0.01		
	Donaghadee ...	30.27	57	W	3	7	30.39	+0.12	50	49	-4	SSW	1	0	-	58	49	*	0.06		
	Liverpool Obsy.	30.39	55	WSW	3	0	30.43	-0.01	54	52	+1	WSW	1	0	-	59	53	*	-		
	Holyhead ...	30.38	56	SW	5	0	30.41	-0.01	55	54	0	WSW	3	0	-	57	53	*	-		
	Pembroke (St. Ann's)	30.45	56	SW	5	0	30.46	-0.04	55	52	-1	WSW	4	0	-	57	50	0.0	-		
GERMANY, &c.	Scilly (St. Mary's)...	30.51	55	S	4	0	30.47	-0.07	54	51	-2	S	3	0	-	57	50	0.3	-		
	Jersey (St. Aubins)...	30.53	55	NNW	2	0	30.54	-0.05	52	48	+4	NE	2	0	-	61	46	5.3	-		
	Portland Bill ...	30.53	55	WNW	1	0	30.53	-0.03	55	51	-2	WSW	1	0	-	60	50	*	-		
	Dungeness ...	30.53	52	Z	0	3	30.51	-0.04	53	52	-2	NW	2	0	-	60	47	*	-		
	Wick ...	30.12	49	W	3	7	30.38	+0.47	45	43	-8	NW	2	0	-	53	40	*	0.38		
	Nairn ...	30.19	48	NW	1	0	30.39	+0.41	39	38	-17	SW	1	0	-	56	37	*	0.48		
	Aberdeen ...	30.18	47	NW	2	7	30.42	+0.37	38	38	-17	W	1	0	-	58	37	0.2	0.22		
	Leith ...	30.14	55	SW	4	0	30.42	+0.25	43	42	-12	E	1	0	-	60	38	*	-		
	North Shields ...	30.24	58	S	3	0	30.42	+0.15	50	49	-6	NNE	1	0	-	60	48	*	0.03		
	Spurn Head ...	30.36	54	SSW	4	0	30.39	-0.03	53	52	+1	WSW	3	0	-	56	50	*	-		
FRANCE.	Yarmouth ...	30.45	54	SW	3	0	30.41	-0.07	52	50	0	W	3	0	-	55	49	*	-		
	Loughborough ...	30.45	53	SW	4	0	30.45	-0.05	51	50	-1	S	1	0	-	56	50	*	-		
	Oxford ...	30.52	53	SW	1	0	30.49	-0.07	51	50	0	WSW	1	0	-	56	50	*	-		
	London (Brixton)	30.52	54	W	1	0	30.48	-0.07	51	49	+4	SW	1	0	-	58	47	0.6	-		
	The Scaw (Skagen)	30.09	52	WSW	5	7	30.20	+0.04	49	47	-2	NW	3	0	-	54	48	*	-		
	Fanö ...	30.32	52	WSW	5	0	30.33	-0.04	50	49	-1	NW	2	0	-	54	50	*	0.04		
	Cuxhaven ...	30.47	50	SW	4	0	30.39	-0.09	50	48	+3	SW	2	0	-	50	47	*	-		
	The Helder ...	30.44	54	WSW	2	0	30.39	-0.09	54	52	0	WSW	1	0	-	55	54	*	-		
	Brussels ...	*	*	*	*	*	30.52	-0.10	44	42	+1	S	1	0	-	57	40	*	-		
	Berlin ...	30.56	42	SW	1	3	30.47	-0.14	37	36	+3	S	2	0	-	45	34	*	-		
SPAN. PEN.	Frankfurt ...	30.59	41	E	2	3	30.55	-0.11	31	31	-3	Z	0	0	-	55	30	*	-		
	Munich ...	30.56	35	NE	4	3	30.46	-0.17	31	31	0	Z	0	0	-	46	28	*	-		
	C. Gris Nez ...	30.50	54	SW	3	3	30.47	?	53	50	0	SW	2	0	-	64	50	*	-		
	Brest ...	30.53	53	NE	1	0	30.51	-0.06	50	48	+1	ENE	1	0	-	63	46	*	-		
	Lorient ...	30.52	57	NE	1	0	30.49	-0.09	50	50	-4	E	3	0	-	66	48	*	-		
	Rochefort ...	30.42	54	NNE	4	3	30.36	-0.13	43	42	-4	NE	4	0	-	63	39	*	-		
	Biarritz ...	30.42	56	NE	4	3	30.42	-0.04	43	41	-3	SSW	2	0	-	59	39	*	-		
	Paris ...	30.52	47	NNE	3	3	30.50	-0.10	34	34	-2	N	2	0	-	58	34	*	-		
	Belfort ...	30.40	46	ENE	7	3	30.43	?	32	32	-5	ENE	6	0	-	53	32	*	-		
	Lyons ...	30.39	46	WNW	2	3	30.45	+0.02	36	35	-5	E	1	0	-	53	34	*	-		

ERRATA:—The 8 a.m. barometer reading at Wisby in yesterday's report should read 30.38, and that at Stockholm 30.05.

\* Observations for this column not generally received.

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



# WEATHER CHARTS

FOR *Saturday, 25<sup>th</sup> October, 1902.*

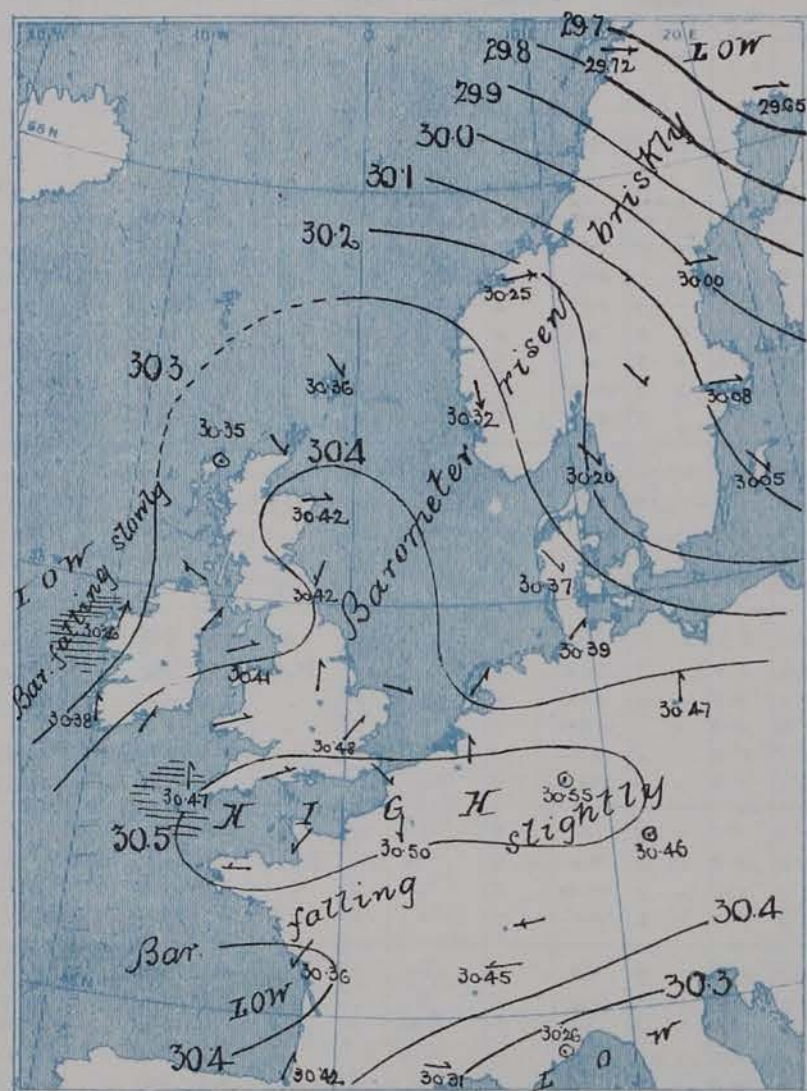
## I. BAROMETER, WIND AND SEA. *This Morning.*

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

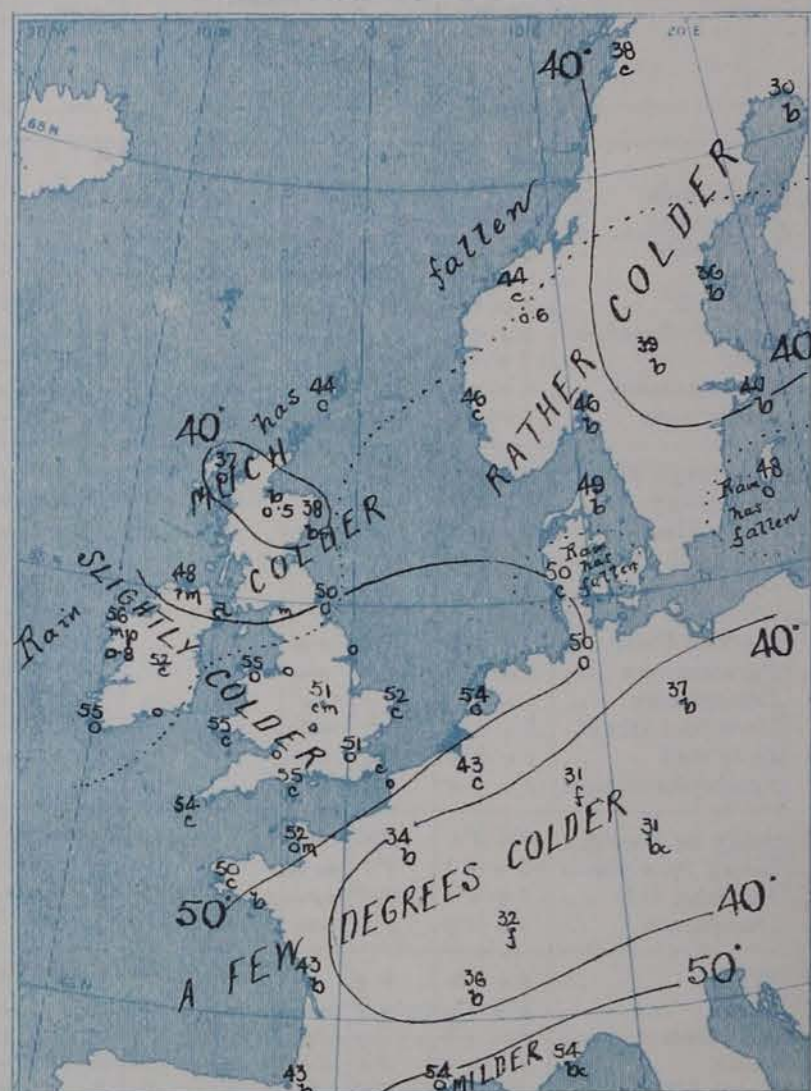


## II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

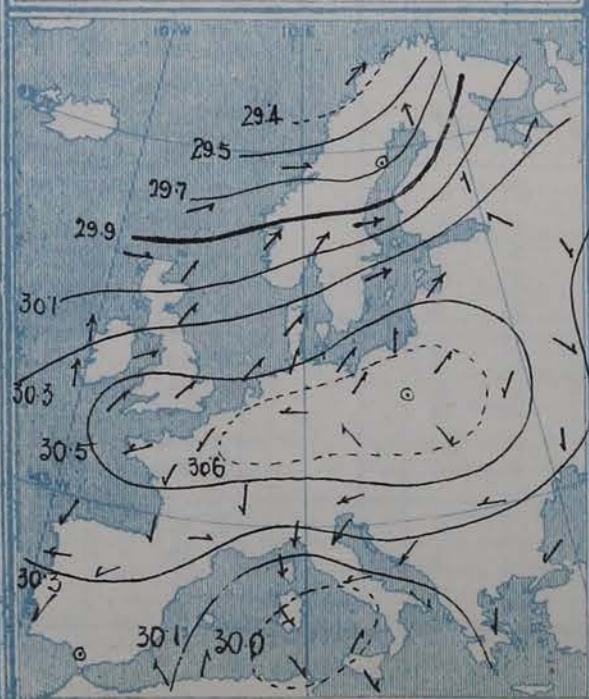
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

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)

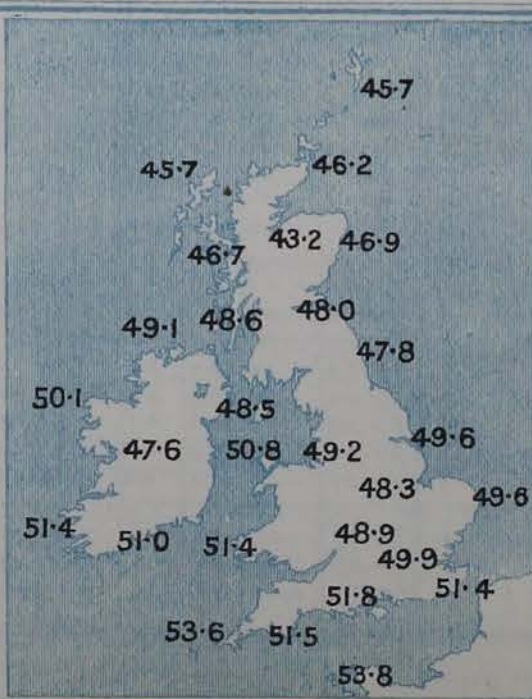


## III. BAROMETER AND WIND

*Yesterday morning.*



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



## V. Means of DAILY TEMPERATURE

*at 8 A.M. for the Two monthly period OCTOBER NOVEMBER (1871-1900.)*





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Since yesterday the barometer has risen all over the northern half of our area, fallen slightly in the south. An area of high pressure now covers the whole of Germany, France, England and the south of Ireland and readings range from 30.55 ins. at Frankfurt and 30.54 ins. at Jersey to 29.65 ins. at Haparanda, 30.26 ins. at Blackrod Pt. and at Nice.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

W<sup>24</sup> to NW<sup>24</sup> winds of great strength prevail over Norway, and moderate S<sup>24</sup> breezes in the west and south of Ireland, light to strong from E over the central parts of France; elsewhere variable, anticyclonic, airs are reported. Temperature has given way considerably over Scotland, slightly over France, but over Wales and the midland counties there has been no appreciable change. Portland Bill is again 21° warmer than Paris and is 17° warmer than Aberdeen. The English readings are above, the Scotch readings below the average. Weather is dull in the west and north of Ireland and rainy in places, fine in the east of Scotland, fair over England, but rather foggy at some Continental stations. Sea is smooth except in the extreme southwest, west and north.

During yesterday 60° was again reached at several of our stations, 61° at Jersey, 66° at Lorient, the night also was warm in most places, cold over Germany. Bright sunshine varied from 4 to 5 hrs. in the south, but was slight elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Fair weather is indicated at present in most places but with a decrease of temperature over England, and fog at several stations.

## FORECASTS \*

For the 24 hours ending at NOON on 26<sup>TH</sup> OCT. 1902

### DISTRICTS.

### FORECASTS.

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

Light variable airs, fine weather, colder.

Variable airs, shifting to east finally; colder, some fog.

### 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.

SE<sup>24</sup> and E<sup>24</sup> winds, light, fine, foggy or hazy, colder.

Same as Nos 0 to 2.

Same as No 8.

### 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 ... ..	*	*	*	*	*	*	*	*	*	*	0	*	c, 0	59	49	1.0	-	
Newton Reigny (Penrith)	30.25	54	sw 6	bc	30.36	+0.06	47	47	- 6	z 0	m	*	c, 0 gm	58	46	1.0	0.12	
Bath ... ..	30.52	55	w 1	0	30.49	-0.06	52	50	0	w 1	0	*	-	57	47	0.0	-	

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Rainfall.		STATIONS.	TEMPERATURE.		Weather.	Sunshine. Rainfall.	
	Max.	Min.		Hrs.	Ins.		Max.	Min.		Hrs.	Ins.
Harrogate, up to 6 p.m. ...	61	49	cw	3.2	-	Worthing ... ..	*	*	*	3.9	*
Birmingham, 9 p.m. ...	54	50	o	0.0	-	Llandudno ... ..	*	*	*	0.0	*
Lowestoft, up to 6 p.m. ...						Rhyl up to 6 p.m. ...	*	*	*	1.5	*
Hastings ... ..	*	*	*	4.9	*	Southport, 9 p.m. ...	56	52	o	0.0	-
Eastbourne up to 6 p.m. ...	*	*	*	4.6	*	Manchester, 9 p.m. ...	61	51	o	0.0	-
Brighton ... ..	*	*	*	4.9	*	Darwen, 9 p.m. ...	54	48	od	0.0	-

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

STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F. at 1 p.m.	WEATHER. ipm	RAIN. (measured at 7 a.m.)
	Max. °	Min. °						
OCT 24:					OCT 23:			
Marseilles ... ..	66	41	b, b	Ins.	Geneva ... ..	50	c	0.04
Utrecht... ..	57	41	b, m	—	Berne ... ..	43	r	—
Copenhagen... ..	50	43	m, m	—	Lucerne ... ..	45	o	0.24
Prague ... ..	52	36	b, f	—	Lausanne... ..	48	c	0.08
Vienna ... ..	52	39	b, b	—	Lugano ... ..	59	b	—
Buda-Pesth ... ..	54	41	b, b	—	Lqcaro ... ..	55	b	0.08
St. Petersburg ... ..	27	21	s, o	—				
Rome ... ..	61	53	o, o	0.24				
Malta ... ..	76	63	? , r	0.28				
Madeira (Funchal) ... ..	73	57	o, o	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.			
	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	25... OCT., 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium, Holland ... ..	8 a.m.(West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.	Yarmouth ... ..	h. m. 6.37	h. m. 11.37	h. m. 4.36
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich ... ..	6.42	11.44	4.45
France ... ..	7 a.m. (Paris) ... ..	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick ... ..	7.12	11.56	4.39
Spain ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia ... ..	7.24	12.25	5.26
Portugal ... ..	8 a.m. (Lisbon) ... ..	8.36 a.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.

† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on SUNDAY 26<sup>th</sup> OCTOBER

1902

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.								TEMP.			
	At 32° and M.S.L.	Dry Bulb	Dirac.	Force (0 to 12.)	Weather.		At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Max.	Min.	Sun- shine. Hours	Rainfall. Ins.
	Ins.						Ins.	Ins.	°	°										
SCANDINAVIA.	Haparanda ...	29.78	31	NW	6	b	29.97	+32	26	23	-4	WNW	2	b	*	-	36	25	*	-
	Hernösand ...	30.17	40	Z	0	b	30.15	+15	37	35	+1	Z	0	b	*	-	45	32	*	-
	Stockholm ...	30.39	40	Z	0	b	30.31	+23	36	34	-4	WSW	2	b	*	-	52	39	*	-
	Wisby ...	30.37	44	NNW	2	b	30.35	+30	37	36	-11	Z	0	b	*	-	52	37	*	-
	Karlstad ...	30.43	35	N	2	b	30.28	+12	31	30	-8	N	2	b	*	-	*	*	*	-
	Færder (X'iania Fjord) ...	30.39	47	SE	2	b	30.22	+03	43	42	-3	W	1	m	2	-	50	43	*	-
	Bodö ...	30.05	39	W	4	+	29.93	+21	42	40	+4	SW	6	o	3	-	39	34	*	-
	Christiansund ...	30.32	43	WSW	3	b	30.07	-18	35	32	-9	E	1	b	4	-	45	34	*	-
	Skudesnaes ...	30.36	42	N	2	b	30.19	-13	44	42	-2	S	6	o	4	b	48	36	*	*
	Sumburgh Head ...	30.25	44	SSW	1	o	29.76	-60	49	48	+5	S	4	o	5	o	49	43	*	0.02
BRITISH ISLANDS.	Stornoway ...	30.07	48	S	5	fm	29.58	-77	50	50	+13	SE	2	op	2	b, fm	54	35	4.9	0.53
	Malin Head ...	30.12	54	SSW	5	o	29.68	-63	52	50	+4	W	9	og	8	o	55	48	*	0.15
	Blackod Pt. ...	30.02	56	SSW	8	og, fm	30.09	-17	54	50	-2	NNW	7	em	6	og, ogp	56	51	*	0.39
	Valencia ...	30.17	57	S	6	o	30.18	-20	54	50	-1	NNW	4	bc	4	og, o	57	53	0.0	0.60
	Roche's Point ...	30.30	55	SSW	5	o	30.13	-32	52	50	-3	NNW	5	b	3	o, t	56	50	*	0.28
	Parsonstown ...	30.23	53	S	3	o	30.08	-31	48	46	-4	WSW	5	og	*	o, o	58	47	1.9	0.28
	Donaghadee ...	30.27	53	SW	2	cg	29.84	-55	50	48	0	W	4	og	4	-	58	50	*	0.30
	Liverpool Obsy. ...	30.37	52	SW	1	bc	29.97	-46	53	52	-1	SW	4	c	3	bc, t	59	47	*	0.14
	Holyhead ...	30.34	54	SW	3	o	30.00	-41	51	50	-4	W	6	bc	5	c, o	56	50	*	0.41
	Pembroke (St. Ann's) ...	30.36	54	SSW	5	c	30.05	-41	56	54	+1	W	6	o	6	c, og	57	52	0.0	0.19
GERMANY, &c.	Scilly (St. Mary's) ...	30.41	55	S	4	o	30.15	-32	54	53	0	SSW	5	m	4	o	58	51	2.4	0.05
	Jersey (St. Aubins) ...	30.45	56	ESE	2	bc, m	30.30	-24	53	49	+1	SW	2	o	2	bc, bc, m	59	42	5.0	-
	Portland Bill ...	30.45	54	NNW	1	c	30.19	-24	52	51	-3	SW	4	c	3	c	59	49	*	0.02
	Dungeness ...	30.42	55	NNW	1	c	30.25	-26	47	47	-6	NNW	1	o	0	c, w, f	58	40	*	-
	Wick ...	30.16	43	S	6	c	29.64	-74	50	50	+5	S	4	fu	3	-	51	40	*	0.10
	Nairn ...	30.17	51	W	3	c	29.58	-81	53	49	+14	SSW	3	c	1	-	54	37	*	-
	Aberdeen ...	30.28	48	SSE	3	o	29.67	-75	50	48	+12	SSE	5	og, t	5	c, o	51	38	4.5	0.04
	Leith ...	30.26	51	SE	1	+	29.66	-76	51	48	+8	SSW	4	og	*	-	54	41	*	0.04
	North Shields ...	29.32	50	SSE	2	+	29.84	-58	49	48	-1	SSW	4	c	2	o, t	52	48	*	0.06
	Spurn Head ...	30.36	53	S	2	c	30.02	-37	48	48	-5	SSE	4	+	3	-	55	48	*	0.05
FRANCE.	Yarmouth ...	30.36	56	WSW	2	em	30.17	-24	50	48	-2	SW	2	bc, m	2	c, em	62	48	*	-
	Loughborough ...	30.39	52	SW	1	c	30.09	-36	48	47	-3	S	5	og, t	*	em, og, t	59	47	*	0.06
	Oxford ...	30.41	53	W	2	o	30.14	-35	49	47	-2	S	2	op	*	-	60	47	*	0.02
	London (Brixton) ...	30.42	54	NW	1	o	30.16	-32	50	48	-1	SW	3	o	*	o, c, o, t	60	46	0.0	0.02
	The Scaw (Skagen) ...	30.39	44	Z	0	b	30.25	+05	42	42	-7	Z	0	f	0	-	52	39	*	-
	Fanö ...	30.40	38	Z	0	b	30.24	-09	40	39	-10	NE	1	bc	*	-	52	37	*	-
	Cuxhaven ...	30.39	51	N	1	+	30.24	-15	50	50	0	SW	1	o	*	t, f	54	48	*	0.08
	The Helder ...	30.36	53	WSW	1	bc	30.19	-20	53	53	-1	SW	3	o	?	-	57	52	*	-
	Brussels ...	*	*	*	*	*	30.28	-24	43	41	-1	Z	0	b	*	-	58	40	*	-
	Berlin ...	30.40	50	W	1	o	30.30	-17	46	45	+9	S	1	o	*	-	55	37	*	-
SPAN. PEN.	Frankfurt ...	30.44	40	Z	0	b	30.32	-23	30	30	-1	E	1	f	*	-	54	30	*	-
	Munich ...	30.41	35	W	2	b	30.28	-17	31	31	0	NE	3	f	*	-	39	28	*	-
	C. Gris Nez ...	30.43	55	SSW	2	c	30.24	-23	51	49	-2	Z	0	o	0	-	59	48	*	-
	Brest ...	30.45	53	Z	0	c	30.28	-23	55	53	+5	S	3	o	3	-	59	48	*	-
	Lorient ...	30.44	55	E	3	o	30.32	-17	50	48	0	E	2	bc	2	-	66	45	*	?
	Rochefort ...	30.36	52	NE	3	b	30.28	-08	43	41	0	NE	3	o	*	b	61	39	*	-
	Biarritz ...	30.39	55	Z	0	b	30.30	-12	53	51	+10	SSW	2	c	2	-	59	43	*	-
	Paris ...	30.44	45	NNE	3	b	30.32	-18	32	32	-2	Z	0	f	*	-	55	30	*	-
	Belfort ...	30.41	36	ESE	6	f	30.26	-17	35	35	+3	ESE	4	f	*	-	46	32	*	-
	Lyons ...	30.38	44	NW	1	b	30.32	-13	36	35	0	NNW	1	f	*	-	?	34	*	-
SPAN. PEN.	Nice ...	30.11	61	Z	0	c	30.03	-23	60	50	+6	Z	0	b	4	-	68	54	*	-
	Perpignan ...	30.20	59	NW	6	b	30.12	-19	55	47	+1	NW	3	b	*	-	67	53	*	-
SPAN. PEN.	Corunna ...																			
	Lisbon ...																			
SPAN. PEN.	Azores (P. Delgado) ...	30.25	69	E	3	o	30.24	+04	67	64	-1	SE	4	bc	3	-	72	66	*	-

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 26<sup>th</sup> October, 1902.

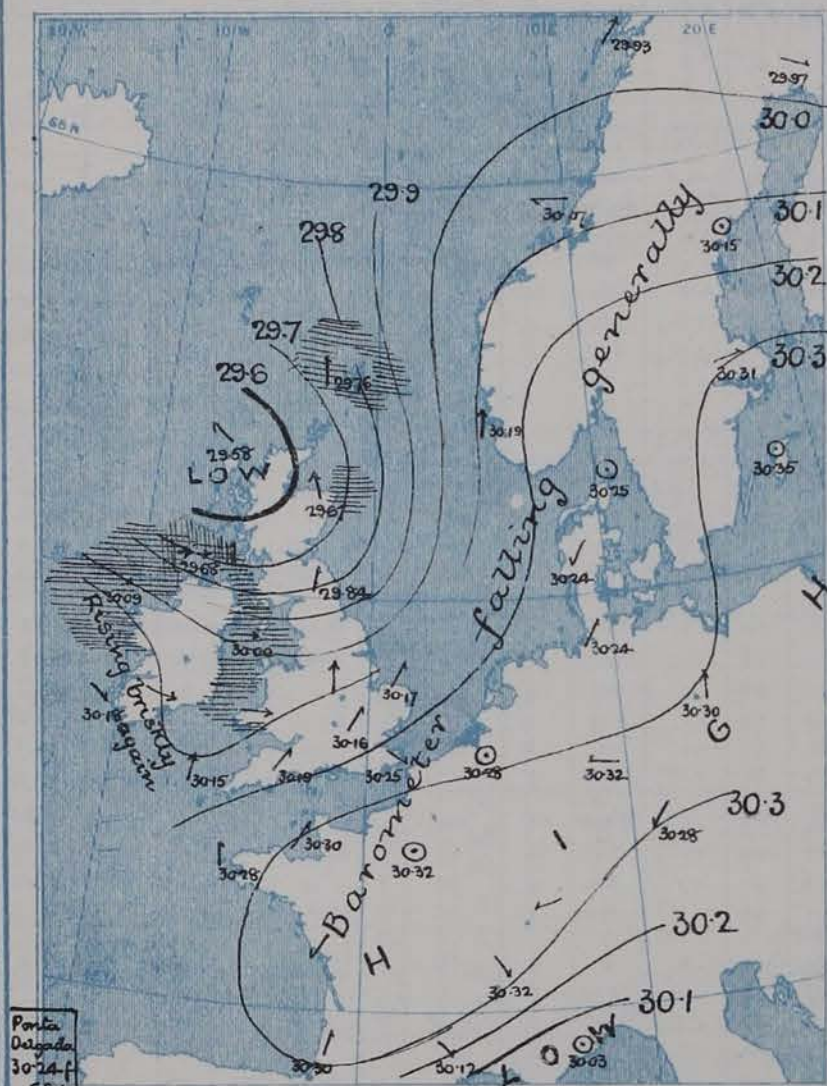
## I. BAROMETER, WIND AND SEA. This Morning.

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 3 to 4 → Force 1 to 2 → Calm ☉

SEA.—Rough High

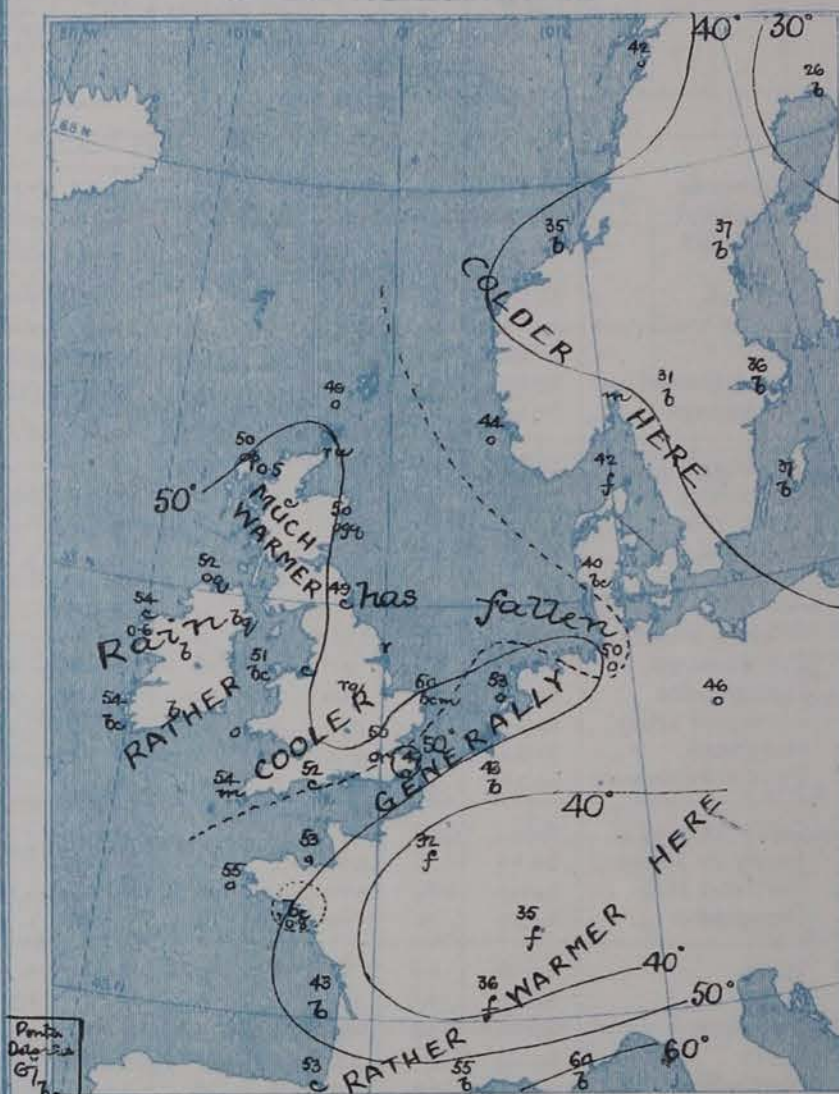


## II. TEMPERATURE AND WEATHER. This Morning.

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

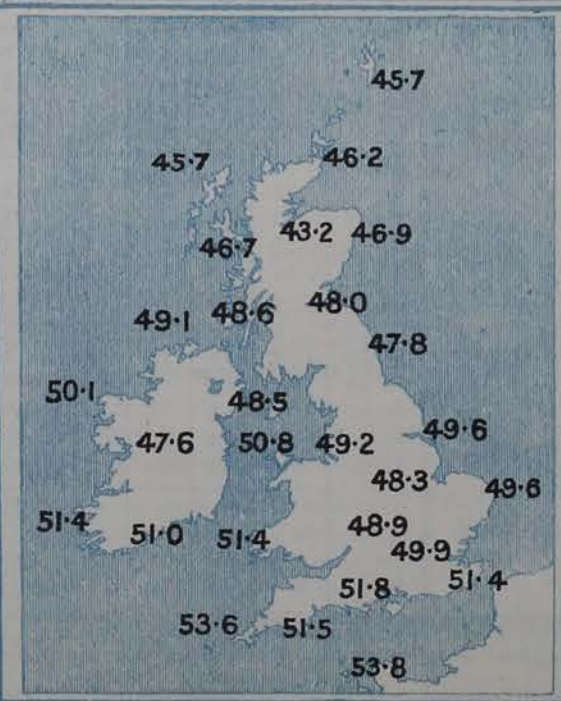


## III. BAROMETER AND WIND

Yesterday morning.



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



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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

A cyclonic disturbance of considerable size and depth has advanced over these Islands from the Atlantic, the centre of the system being now situated a little to the southwest of the Hebrides. The barometer is falling over western Europe generally, quickly in the northern parts of the United Kingdom, the lowest readings 29.6 ins. and less being reported in the west and north of Scotland; in the west of Ireland however, the mercury is now beginning to rise again. The highest readings, 30.3 ins. and upwards, are found in an anticyclone lying over France, south and east Germany, the Baltic and the south of Sweden.

### WIND

The wind is strong from the W or NW over our western coasts, with a gale in the north of Ireland, but is light to moderate from the southwest over the south of England and the adjacent parts of the Continent and from the S to SE over the northern parts of Great Britain and the eastern shores of the North Sea. In Sweden the wind is light from the W but in the southern parts of France it varies between NE and NW.

### TEMPERATURE

Temperature has risen briskly in Scotland but has fallen slightly in most other parts of our area. Over the United Kingdom the morning readings are again above the average, the thermometers being above 50° at most of our western and northern stations and as high as 56° at Pembroke. On the continent the weather is much colder than in these islands, slight frost being reported not only at several of the Swedish stations but also in several parts of Germany and Central France.

### WEATHER

### AND

The weather is dull over Great Britain, with rain in many places but is fine in most other parts of our area; fog is however reported at several of the French, German and Danish stations. The sea is very high at Malin Head and is rough or rather so on the more exposed parts of our western and northern coasts generally.

### SEA

During yesterday the thermometers rose to between 55° and 60° in most parts of Ireland and England, and to 62° at Falmouth; in the west and south of France it exceeded 65°. The duration of bright sunshine was generally small, but amounted to 4.5 hours at Aberdeen and to about 5 hours at Stornoway and Jersey. Rain has fallen in most parts of the United Kingdom, rather heavily on our extreme north-west coasts.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS \*

For the 24 hours ending at NOON on 27<sup>th</sup> OCT. 1902

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

0  $\overline{\uparrow}$  SCOTLAND NORTH

1  $\overline{\uparrow}$  SCOTLAND EAST

2 { ENGLAND N.E.

3 { ENGLAND EAST

4 { MIDLAND COUNTIES

5 { ENGLAND SOUTH

None issued

6  $\overline{\uparrow}$  SCOTLAND WEST

7  $\overline{\uparrow}$  ENGLAND N.W.

8  $\overline{\uparrow}$  ENGLAND S.W.

9  $\overline{\uparrow}$  IRELAND NORTH

10  $\overline{\uparrow}$  IRELAND SOUTH

### WARNINGS

None issued

At 7.15 pm. yesterday to Districts 0, 1, 6, 7, 9, 10 and part of 8. "Hoist South Cone."

*Note.*—The South Cone, point downwards ( $\overline{\uparrow}$ ), 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 ( $\overline{\uparrow}$ ), 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. Ins.   Change.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	*	0	57	46	0.0	-
Newton Reigny (Penrith)																
Bath ... ..	30.36	55	W 1	0	30.13	-36	52	50	0	W 3	C	-	59	41	0.0	-

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	55	48	m, o, t	0.0	0.27	Worthing ... ..	*	*	*	1.2	*
Birmingham, 9 p.m. ...	60	50	C	1.9	-	Llandudno ... ..	*	*	*	0.8	*
Lowestoft, up to 6 p.m. ...						Rhyl up to 6 p.m. ...	*	*	*		*
Hastings ... ..	*	*	*		*	Southport, 9 p.m. ...	56	49	t, o, c, o	0.7	0.04
Eastbourne up to 6 p.m. ...	*	*	*		*	Manchester, 9 p.m. ...	60	49	b	0.0	-
Brighton ... ..	*	*	*		*	Darwen, 9 p.m. ...	54	46	cm	0.0	0.38

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. at 1 p.m.	WEATHER. 1 p.m.	RAIN. (measured at 7 a.m.)
	Max. °	Min. °						
OCT 25					OCT 24			
Marseilles ... ..	63	50	a, a	Ins.	Geneva ... ..	48	o	0.12
Utrecht... ..	54	48	m, m	—	Berne ... ..	45	bc	0.16
Copenhagen... ..	54	48	m, r	?	Lucerne ... ..	48	c	0.36
Prague ... ..	50	32	c, f	—	Lausanne ... ..	48	b	—
Vienna ... ..	48	30	b, b	—	Lugano ... ..	54	b	—
Buda-Pesth ... ..	52	34	b, b	—	Locarno ... ..	55	b	—
St. Petersburg ... ..	39	19	r, o	0.24				
Rome ... ..	63	54	o, o	0.24				
Malta ... ..	68	61	r, r	1.58				
Madeira (Funchal) ... ..	73	55	b, 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.

	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 ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon)	8.36 a.m.		

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

26. OCT. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6.39	11.37	4.35
Greenwich ... ..	6.44	11.44	4.44
Wick ... ..	7.14	11.56	4.37
Valencia ... ..	7.20	12.25	5.24

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.

† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on Monday, 27<sup>th</sup> October, 1902

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.	Dirac.	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.
SCANDINAVIA.	Haparanda ...	29.79	31	SW	2	c	29.80	-17	27	27	+1	SW	2	c	-	34	23	-	-		
	Hernösand ...	29.96	31	Z	0	b	29.95	-20	26	24	-11	Z	0	b	-	43	26	-	-		
	Stockholm ...	30.13	39	Z	0	b	30.05	-26	39	37	+3	SW	2	o	-	46	32	-	-		
	Wisby ...	30.18	38	Z	0	b	30.08	-27	41	40	+4	Z	0	f	-	46	32	-	-		
	Karlstad ...	30.07	44	SW	2	o	30.02	-26	40	39	+9	SW	2	b	-	-	-	-	-		
	Färder (X'ania Fjord) ...	30.06	43	NW	1	o	30.04	-18	42	41	-1	N	1	c	-	46	41	-	-		
	Bodö ...	29.77	42	SW	4	o	29.75	-18	42	41	-1	SW	6	o	3	-	43	37	0.35		
	Christiansund ...	29.92	42	WSW	4	c	29.96	-11	48	46	+13	WSW	4	o	4	-	48	34	-		
BRITISH ISLANDS.	Skudesnaes ...	29.97	45	E	4	o	30.00	-19	46	45	+2	ENE	2	r	3	-	46	43	-	-	
	Sumburgh Head ...	29.80	48	S	1	o	30.01	+25	41	39	-8	N	1	b	4	7.0	49	40	0.20		
	Stornoway ...	29.99	47	N	4	o	30.06	+48	40	40	-10	Z	0	o	1	78.0	53	37	0.01		
	Malin Head ...	30.08	51	NW	7	cg	30.10	+42	45	44	-7	S	3	c	3	0.09	52	45	-	-	
	Blacksod Pt. ...	30.20	52	NNW	3	c	30.06	-03	50	48	-4	SSE	4	r	3	0.09	55	42	0.01		
	Valencia ...	30.25	53	N	3	b	30.13	-05	51	50	-3	SSE	2	op	3	0.6	57	42	0.04		
	Roche's Point ...	30.21	53	NW	5	b	30.18	+05	47	46	-5	NE	1	og	0	c, b	57	46	-	-	
	Parsonstown ...	30.19	51	W	2	c	30.15	+07	45	44	-3	SE	1	o	-	69.0	57	44	5.0	-	
GERMANY, &c.	Donaghadee ...	30.01	53	NW	4	cg	30.11	+27	43	41	-7	NW	3	b, c	3	-	53	38	-	-	
	Liverpool Obsy. ...	29.96	52	W	7	o	30.11	+14	48	46	-5	NW	1	b	2	-	54	47	-	-	
	Holyhead ...	30.06	53	W	7	cg	30.13	+13	50	48	-1	NW	3	c	2	c, og	54	48	-	-	
	Pembroke (St. Ann's) ...	30.13	56	NW	5	b, c	30.13	+08	50	47	-6	N	3	cg	2	-	57	46	8.4	-	
	Scilly (St. Mary's) ...	30.21	55	NNW	5	c	30.16	+01	53	50	-1	NNW	3	c	2	b, c	58	50	6.6	0.07	
	Jersey (St. Aubins) ...	30.14	57	W	4	og, md	30.17	-13	54	50	+1	WNW	2	cm	2	og, md	57	50	1.1	0.05	
	Portland Bill ...	30.09	53	NW	6	c	30.14	-05	52	48	-4	NNW	5	c	4	-	58	50	-	-	
	Dungeness ...	30.03	55	W	5	b	30.02	-23	51	50	+4	NW	2	b, c	1	0.6	55	46	-	0.01	
FRANCE.	Wick ...	29.89	50	NW	2	o	30.05	+41	38	36	-12	N	2	b, c	2	-	54	36	0.04	-	
	Nairn ...	29.91	51	W	3	c	30.08	+50	36	35	-17	SW	1	b, c	1	-	56	35	0.01	-	
	Aberdeen ...	29.84	51	NW	4	cg, p	30.07	+40	44	43	-6	WSW	2	b, c	2	-	53	44	0.4	0.03	
	Leith ...	29.85	54	NW	2	c	30.09	+42	45	43	-6	Z	0	om	-	-	57	43	-	0.03	
	North Shields ...	29.79	52	WNW	3	cp	30.06	+22	49	47	-2	N	3	o	3	c, r	54	47	-	0.05	
	Spurn Head ...	29.77	51	W	6	c	30.08	+06	50	49	+2	NW	5	og	3	c, p	54	48	-	0.11	
	Yarmouth ...	29.94	52	SSW	3	cr	29.95	-22	52	50	+2	NW	3	cm	3	r, cr	53	48	-	0.09	
	Loughborough ...	29.98	52	W	5	o	30.07	-02	45	44	-3	W	1	cu	-	76.00	58	45	-	0.02	
SPAN. PEN.	Oxford ...	30.05	52	W	2	o	30.10	-04	46	44	-3	NW	2	b	-	0.6	59	44	-	0.01	
	London (Brixton) ...	29.96	55	WSW	3	b, c	30.06	-10	49	46	-1	NW	2	b, c	-	od, b, c	55	47	0.0	0.01	
	The Scaw (Skagen) ...	30.04	47	SSW	1	c	30.01	-24	49	48	+7	SSE	1	m	0	-	49	41	-	0.04	
	Fanö ...	30.00	49	SE	2	r	29.99	-25	46	46	+6	ESE	1	m	-	-	50	39	-	0.20	
	Cuxhaven ...	30.07	50	SW	2	o	29.95	-29	46	45	-4	SE	2	o	-	-	52	46	-	0.08	
	The Helder ...	29.91	49	SSW	1	r	29.85	-34	50	50	-3	HNE	1	o	2	-	54	46	-	0.43	
	Brussels ...	*	*	*	*	*	29.94	-34	49	49	+6	W	1	r	-	-	49	43	-	0.20	
	Berlin ...	30.13	44	Z	0	b, c	29.99	-31	39	37	-7	SSE	1	c	-	-	50	37	-	-	
SPAN. PEN.	Frankfurt ...	30.13	37	SW	2	o	30.01	-31	39	38	+9	SW	3	o	-	-	50	30	-	0.04	
	Munich ...	30.18	34	Z	0	f	30.09	-19	38	37	+7	W	4	c	-	-	38	30	-	-	
	C. Gris Nez ...	30.06	55	SW	5	o	30.01	-23	53	50	+2	NW	5	o	5	-	57	50	-	-	
	Brest ...	30.19	57	W	3	f	30.23	-05	50	49	-5	N	1	c	1	-	59	46	-	0.04	
	Lorient ...	30.21	56	WNW	2	c	30.19	-13	50	50	-2	N	2	b	1	-	59	48	-	0.04	
	Rochefort ...	30.22	53	NNW	3	o	30.16	-12	53	52	+10	NNW	2	o	-	-	55	43	-	-	
	Biarritz ...	30.26	57	NW	1	c	30.23	-07	51	49	-2	S	3	b	2	-	59	46	-	-	
	Paris ...	30.19	43	SSW	1	b	30.09	-23	45	45	+13	SSW	3	o	-	-	49	32	-	-	
SPAN. PEN.	Belfort ...	30.19	38	WSW	3	m	30.10	-16	35	35	-2	W	4	f	-	-	49	32	-	-	
	Lyons ...	30.25	41	N	1	o	30.19	-13	39	39	+3	N	1	o	-	-	42	36	-	-	
	Nice ...	30.02	56	Z	0	c	29.88	-15	53	49	-7	Z	0	b	3	-	68	52	-	-	
	Perpignan ...	30.05	59	NW	4	b	30.05	-07	55	45	-10	NW	3	b	-	-	67	52	-	-	
SPAN. PEN.	Corunna ...																				
	Lisbon ...																				
	Azores (P. Delgada) ...																				

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, 27<sup>th</sup> October, 1902.*

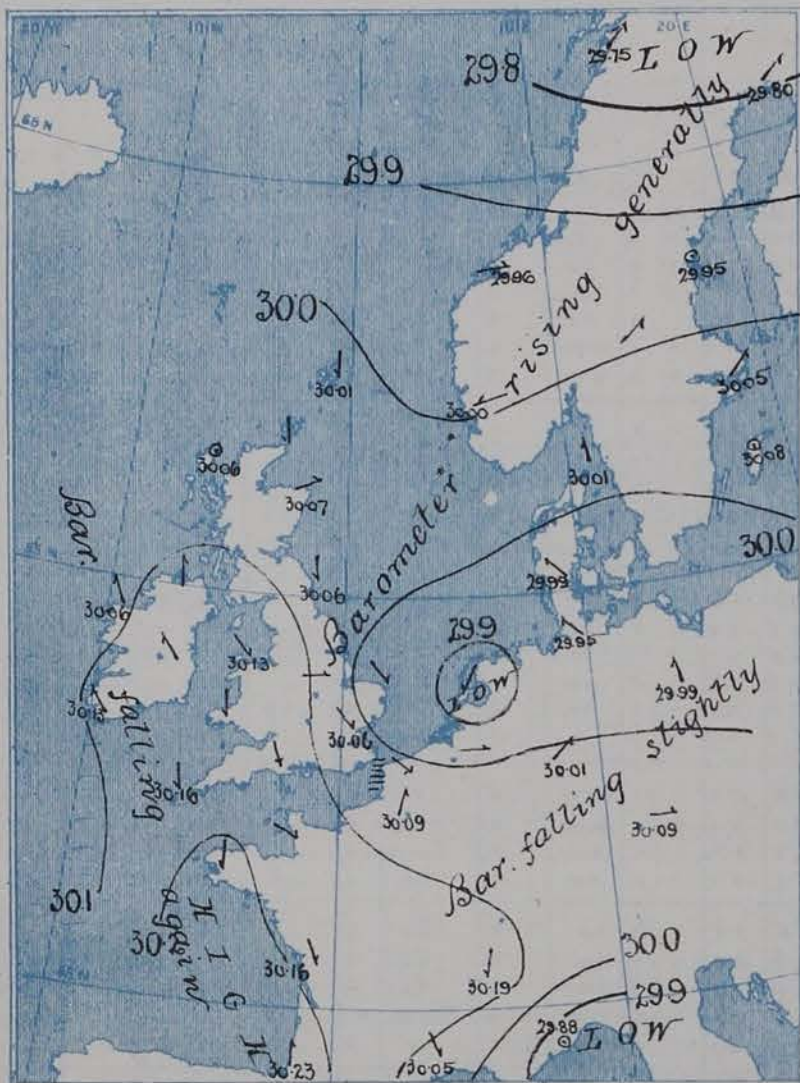
## I. BAROMETER, WIND AND SEA. *This Morning.*

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 OCTOBER. (1871-1900.)



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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Barometric pressure this morning varies from 30.2 ins. and more over the Bay of Biscay, and 30.1 ins. and more in a ridge which extends northwards over our western districts, to 29.8 ins. and less over Lapland, 29.9 ins. and less in a small depression near the Hebrides, and to 30.06 ins. at Blacksod Pt. The barometer is at present rising over the northeastern and eastern parts of the Kingdom but has begun to fall decidedly in the west during the night.

### WIND

The wind is NW<sup>24</sup> and moderate over almost the whole of England, but in the west of Ireland it has backed to the S<sup>4th</sup> during the night; in France it is light from NW and in Germany from SW and S.

### TEMPERATURE

Temperature has decreased generally over the United Kingdom, and varies from 53° at Scilly to 40° at Newton Reigny and 38° at Nairn. The southern readings are higher than the average but the inland values in the north are low, by several degrees. In France the thermometer has risen.

### WEATHER

The weather is at present fair over the United Kingdom as a whole, but is gloomy in the west, rainy at Blacksod Pt. It is in a very unstable condition in all districts.

### AND

Sea is smooth or slight except at Lumburgh H<sup>2</sup> and C. Gris Neg.

### SEA

The maximum temperatures recorded yesterday were above 55° at many of our stations and touched 59° at Oxford. Rain fell in small quantities over all but our western districts and some parts of the Continent. Bright Sunshine was considerable at Scilly, Pembroke and many parts of Ireland. Southwesterly and westerly gales were experienced in the west.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The renewed and decided fall of the barometer in the west indicates the advance of a new depression bringing both wind and rain and the Warning signals remain up in the west and north.

## FORECASTS \*

For the 24 hours ending at NOON on 28<sup>TH</sup> OCT. 1902

### DISTRICTS.

### FORECASTS.

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

Wind backing S<sup>25</sup> and increasing greatly, with rainy, tough weather.

Light NW<sup>24</sup> breezes and fair weather, followed by strong S<sup>24</sup> winds and rain. Temperature unsteady.

### DISTRICTS.

### FORECASTS.

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

Wind backing to South or Southwest and increasing greatly, with rain.

### WARNINGS

At 9.35 am. yesterday to District 2. "Hoist South Cone". The signals are still flying in Districts 0, 1, 6, 7, 9, 10 and part of 8.

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 ... ..	*	*	*	*	*	*	*	*	*	*	*	o, c	52	50	0.5	0.05
Newton Reigny (Penrith) ...	29.88	54	w 4	c	30.08		40	40		SE 1	bc	ov, c, m	54	38	0.4	0.17
Bath ... ..	30.07	51	SW 4	o	30.13	0	44	43	- 8	w 1	b	-	60	43	4.0	-

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.	STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	54	47	o, c, o	2.3	0.11	Worthing ... ..	*	*	*	0.1	*
Birmingham, 9 p.m. ...	56	46	o	3.0	0.07	Llandudno ... ..	*	*	*	3.2	*
Lowestoft, up to 6 p.m. ...	*	*	*	*	*	Rhyl up to 6 p.m. ...	*	*	*	2.8	*
Hastings ... ..	*	*	*	0.1	*	Southport, 9 p.m. ...	55	47	cr, g	3.2	0.17
Eastbourne up to 6 p.m. ...	*	*	*	0.0	*	Manchester, 9 p.m. ...	59	47	c, b, g	1.5	0.17
Brighton ... ..	*	*	*	0.0	*	Darwen, 7 p.m. ...	52	44	om	1.0	0.25

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. at 1 p.m. °	WEATHER. 1 p.m.	RAIN. (measured at 7 a.m.)
	Max. °	Min. °						
OCT 26					OCT 25			
Marseilles ... ..		Obs.	not received	Ins.	Geneva ... ..	39	c	Ins.
Utrecht... ..					Berne ... ..	39	m	
Copenhagen... ..					Lucerne ... ..	43	o	
Prague ... ..					Lausanne ... ..	43	bc	
Vienna ... ..					Lugano ... ..	54	b	
Buda-Pesth ... ..					Locarno ... ..	54	b	
St. Petersburg ... ..								
Rome ... ..								
Malta ... ..								
Madeira (Funchal) ... ..								

## 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.

	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 ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon)	8.36 a.m.		

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

27 OCT. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6.41	11.37	4.33
Greenwich ... ..	6.46	11.44	4.42
Wick ... ..	7.17	11.56	4.35
Valencia ... ..	7.28	12.25	5.22

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.

† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on Tuesday, 28<sup>th</sup> October, 1902  
 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.	Dirac.	Force (0 to 12.)	Weather.	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)	Weather.	Max.			Min.					
																			Ins.			Ins.	°
SCANDINAVIA.	Haparanda	29.74	30	SW	2	0	29.75	-0.05	35	35	+ 8	SW	4	c	*	-	36	25	*	-			
	Hernösand	30.00	35	Z	0	0	30.03	+0.03	32	30	+ 6	Z	0	c	*	-	45	26	*	-			
	Stockholm	30.06	40	SW	2	0	30.11	+0.06	37	37	- 2	Z	0	o	*	-	46	36	*	-			
	Wisby	30.12	45	Z	0	0	30.15	+0.07	42	40	+ 1	WNW	2	0	0	*	-	48	36	*	-		
	Karlstad	30.10	35	Z	0	0	30.19	+0.17	34	33	- 6	Z	0	f	*	-	*	*	*	-			
	Færder (X'ania Fjord)	30.08	42	NE	1	0	30.14	+0.10	44	44	+ 2	SW	1	m	1	-	44	41	*	-			
	Bodö	29.74	44	SW	7	0	29.73	-0.02	44	43	+ 2	SW	6	o	4	-	45	42	*	0.51			
	Christiansund	30.02	46	SW	2	0	29.98	+0.02	46	44	- 2	SW	1	r	4	-	46	45	*	0.28			
Skudesnaes	30.08	48	Z	0	0	30.08	+0.08	49	48	+ 3	S	6	o	4	0.7	49	46	*	*				
BRITISH ISLANDS.	Sumburgh Head	29.98	43	Z	0	0	29.82	-0.19	48	47	+ 7	SSW	2	o	3	0.0	49	40	*	-			
	Stornoway	29.88	49	S	4	0	29.76	-0.30	52	51	+ 12	WSW	4	o	4	0	52	38	1.3	0.03			
	Malin Head	29.86	49	S	5	0.07m	29.92	-0.18	52	51	+ 7	W	3	omp	3	0.07m	52	44	*	0.07			
	Blacksod Pt.	29.86	57	SW	6	0.07m	29.94	-0.12	56	55	+ 6	SW	5	om	4	0.07m	57	49	*	0.07			
	Valencia...	29.99	58	SW	3	0.07m	30.05	-0.08	58	57	+ 7	SW	1	fd	3	0.07m	58	50	0.0	0.09			
	Roche's Point	30.06	54	SSW	4	0.07m	30.05	-0.13	56	55	+ 9	W	1	f	0	0.07m	57	47	*	0.04			
	Parsonstown	29.98	53	SE	4	0	30.02	-0.13	52	51	+ 7	SW	1	og	*	0.07m	55	44	0.0	0.02			
	Donaghadee	30.02	49	NW	2	0	29.98	-0.13	52	52	+ 9	W	2	o	1	-	53	40	*	0.05			
Liverpool Obsy.	30.10	47	WNW	1	0	30.05	-0.06	48	48	0	S	2	o	0	0	53	46	*	0.03				
Holyhead	30.08	51	SW	2	0	30.02	-0.11	54	54	+ 4	Z	0	cf	0	0.07m	54	48	*	0.29				
Pembroke (St. Ann's)	30.12	52	SW	3	0	30.05	-0.08	55	54	+ 5	NW	3	cgdm	3	0.07m	56	49	0.2	0.05				
GERMANY, &c.	Scilly (St. Mary's)	30.13	54	W	3	0	30.06	-0.10	55	54	+ 2	W	4	f	2	0.07m	56	50	0.0	0.14			
	Jersey (St. Aubins)	30.15	54	NW	2	0.07m	30.18	+0.01	53	51	- 1	WNW	1	omd	1	0.07m	56	48	0.2	0.01			
	Portland Bill	30.15	52	NNW	3	0	30.13	-0.01	53	51	+ 1	SW	2	odp	2	0	54	49	*	-			
	Dungeness	30.07	52	NNW	2	0	30.15	+0.13	42	42	- 9	N	1	f	1	0.07m	53	37	*	-			
	Wick	29.94	50	S	3	0	29.81	-0.24	50	48	+ 12	S	2	o	2	-	52	35	*	-			
	Nairn	29.95	46	Z	0	0	29.85	-0.23	52	50	+ 16	Z	0	c	1	-	52	35	*	0.01			
	Aberdeen	30.01	46	SSE	2	0	29.92	-0.15	47	46	+ 3	SW	2	cm	2	0.07m	52	44	5.1	-			
	Leith	30.01	50	Z	0	0	29.95	-0.14	51	50	+ 1	NNE	1	om	*	-	54	44	*	0.01			
North Shields	30.05	50	ESE	2	0	30.02	-0.04	47	46	- 2	SW	2	om	2	0.07m	51	45	*	-				
FRANCE.	Spurn Head	30.07	50	NNW	3	0	30.08	0.00	48	48	- 2	S	3	0c	2	-	53	46	*	0.10			
	Yarmouth	30.03	52	NW	3	0	30.10	+0.15	44	42	- 8	WNW	2	0f	2	0.07m	54	40	*	-			
	Loughborough	30.11	47	WNW	1	0	30.11	+0.04	45	45	0	SE	1	0f	*	0.07m	52	38	*	0.01			
	Oxford	30.14	46	WNW	1	0	30.13	+0.03	47	46	+ 1	S	1	o	*	0.07m	57	38	*	-			
	London (Brixton)	30.09	52	WNW	1	0	30.12	+0.06	45	44	- 4	Z	0	0f	*	0.07m	54	41	0.0	-			
	The Scaw (Skagen)	30.11	49	E	1	0	30.16	+0.15	48	47	- 1	S	1	o	0	-	50	46	*	-			
	Fanö	30.09	49	ESE	1	0	30.18	+0.19	44	43	- 2	NE	1	c	*	-	52	43	*	-			
	Cuxhaven	30.00	48	E	3	0	30.15	+0.20	42	41	- 4	ENE	2	0	*	-	46	41	*	-			
The Helder	30.00	48	NNE	1	0	30.13	+0.28	48	47	- 2	SE	1	m	0	-	52	45	*	-				
SPAN. PEN.	Brussels...	*	*	*	*	*	30.15	+0.21	44	43	- 5	NNW	1	c	*	-	51	41	*	0.08			
	Berlin	30.00	46	SSE	1	0	30.12	+0.13	43	42	+ 4	SE	1	o	*	-	46	39	*	-			
	Frankfurt	30.00	44	SW	2	0	30.06	+0.05	44	44	+ 5	N	1	o	*	-	45	39	*	0.12			
	Munich	30.06	41	SW	2	0	30.07	-0.02	41	40	+ 3	SE	1	o	*	-	48	37	*	-			
	C. Gris Nez	30.04	51	NNW	4	0	30.14	+0.13	50	49	- 2	NNE	3	o	2	-	55	41	*	-			
	Brest	30.19	54	N	2	0	30.19	0.00	54	53	+ 4	NW	2	c	1	-	59	50	*	-			
	Rochefort	30.15	55	NNE	3	0	30.17	+0.01	48	48	- 5	NNE	2	o	*	0.07m	61	46	*	-			
	Biarritz	30.21	59	NNW	1	0	30.21	-0.02	51	49	0	E	2	c	1	-	64	48	*	-			
SPAN. PEN.	Paris	30.10	52	NW	3	0	30.15	+0.06	47	46	+ 2	NW	3	o	*	-	56	45	*	-			
	Belfort	30.05	42	WSW	2	0	30.03	-0.07	44	44	+ 9	WSW	2	f	*	-	45	35	*	0.08			
	Lyons	30.13	47	NW	1	0	30.11	-0.08	46	43	+ 7	NNW	2	c	*	-	54	44	*	0.04			
	Nice	29.87	55	Z	0	0	29.85	-0.03	51	50	- 2	ENE	2	o	2	-	68	51	*	-			
	Perpignan	29.99	59	NW	4	0	30.04	-0.01	55	50	0	NW	3	o	*	-	66	54	*	-			
SPAN. PEN.	Corunna																		*	-			
	Lisbon																		*	-			
	Azores (P. Delgada)																		*	-			

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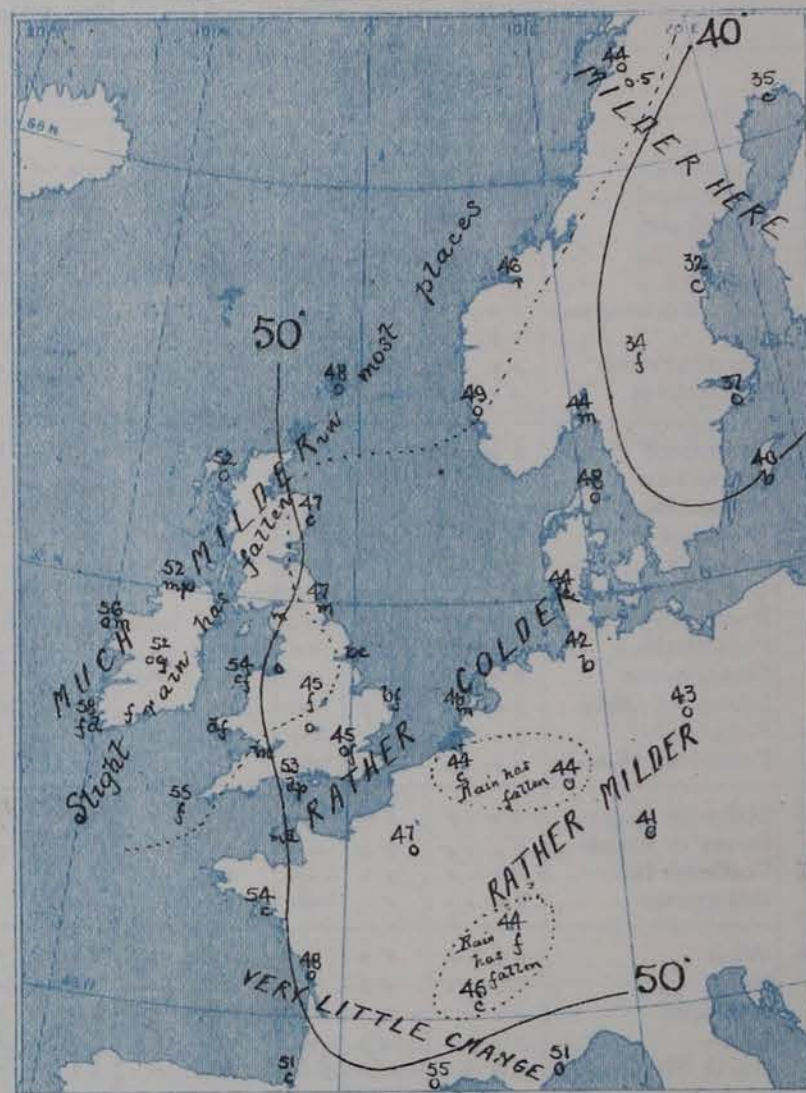
FOR Tuesday, 28<sup>th</sup> October, 1902.

*BAROMETER*.—Isobars are drawn for each tenth of an inch.  
*WIND*.—Arrows show Directions and Force, flying with the wind.

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.



A map of the British Isles showing the distribution of the number of days with snow in January. The map includes numerical values for various locations across the UK and Ireland. The values are as follows:

- 45.7 (North West)
- 46.2 (North East)
- 45.7 (West of Scotland)
- 46.7 (Central Scotland)
- 43.2 (East of Scotland)
- 46.9 (North East of England)
- 48.0 (Central England)
- 47.8 (East of England)
- 49.6 (South East)
- 49.9 (South East)
- 51.4 (South East)
- 51.8 (South East)
- 51.4 (South East)
- 51.5 (South East)
- 53.6 (South West)
- 53.8 (South West)
- 51.0 (West of England)
- 51.4 (West of England)
- 50.8 (Central England)
- 48.3 (Central England)
- 48.9 (Central England)
- 49.2 (Central England)
- 47.6 (West of England)
- 48.5 (Central England)
- 48.6 (Central England)
- 49.1 (West of England)
- 50.1 (West of England)

A map of the North Atlantic Ocean showing isotherms for 44°C and 48°C. The 44°C isotherm is a solid line, and the 48°C isotherm is a dashed line. Various temperature values are labeled along these lines and in the surrounding water. The map includes latitude and longitude markings, with latitude ranging from 40°N to 52°N and longitude from 40°W to 60°W. The 44°C isotherm is located between 40°N and 48°N, and the 48°C isotherm is located between 48°N and 52°N. The map shows the coastline of North America and Europe, with the Gulf of Mexico and the Atlantic Ocean labeled. The 44°C isotherm is labeled with values such as 44.0, 44.3, 44.4, 44.5, 44.6, 44.7, 44.8, 44.9, 45.0, 45.1, 45.2, 45.3, 45.4, 45.5, 45.6, 45.7, 45.8, 45.9, 46.0, 46.1, 46.2, 46.3, 46.4, 46.5, 46.6, 46.7, 46.8, 46.9, 47.0, 47.1, 47.2, 47.3, 47.4, 47.5, 47.6, 47.7, 47.8, 47.9, 48.0, 48.1, 48.2, 48.3, 48.4, 48.5, 48.6, 48.7, 48.8, 48.9, 49.0, 49.1, 49.2, 49.3, 49.4, 49.5, 49.6, 49.7, 49.8, 49.9, 50.0, 50.1, 50.2, 50.3, 50.4, 50.5, 50.6, 50.7, 50.8, 50.9, 51.0, 51.1, 51.2, 51.3, 51.4, 51.5, 51.6, 51.7, 51.8, 51.9, 52.0, 52.1, 52.2, 52.3, 52.4, 52.5, 52.6, 52.7, 52.8, 52.9, 53.0, 53.1, 53.2, 53.3, 53.4, 53.5, 53.6, 53.7, 53.8, 53.9, 54.0, 54.1, 54.2, 54.3, 54.4, 54.5, 54.6, 54.7, 54.8, 54.9, 55.0, 55.1, 55.2, 55.3, 55.4, 55.5, 55.6, 55.7, 55.8, 55.9, 56.0, 56.1, 56.2, 56.3, 56.4, 56.5, 56.6, 56.7, 56.8, 56.9, 57.0, 57.1, 57.2, 57.3, 57.4, 57.5, 57.6, 57.7, 57.8, 57.9, 58.0, 58.1, 58.2, 58.3, 58.4, 58.5, 58.6, 58.7, 58.8, 58.9, 59.0, 59.1, 59.2, 59.3, 59.4, 59.5, 59.6, 59.7, 59.8, 59.9, 60.0, 60.1, 60.2, 60.3, 60.4, 60.5, 60.6, 60.7, 60.8, 60.9, 61.0, 61.1, 61.2, 61.3, 61.4, 61.5, 61.6, 61.7, 61.8, 61.9, 62.0, 62.1, 62.2, 62.3, 62.4, 62.5, 62.6, 62.7, 62.8, 62.9, 63.0, 63.1, 63.2, 63.3, 63.4, 63.5, 63.6, 63.7, 63.8, 63.9, 64.0, 64.1, 64.2, 64.3, 64.4, 64.5, 64.6, 64.7, 64.8, 64.9, 65.0, 65.1, 65.2, 65.3, 65.4, 65.5, 65.6, 65.7, 65.8, 65.9, 66.0, 66.1, 66.2, 66.3, 66.4, 66.5, 66.6, 66.7, 66.8, 66.9, 67.0, 67.1, 67.2, 67.3, 67.4, 67.5, 67.6, 67.7, 67.8, 67.9, 68.0, 68.1, 68.2, 68.3, 68.4, 68.5, 68.6, 68.7, 68.8, 68.9, 69.0, 69.1, 69.2, 69.3, 69.4, 69.5, 69.6, 69.7, 69.8, 69.9, 70.0, 70.1, 70.2, 70.3, 70.4, 70.5, 70.6, 70.7, 70.8, 70.9, 71.0, 71.1, 71.2, 71.3, 71.4, 71.5, 71.6, 71.7, 71.8, 71.9, 72.0, 72.1, 72.2, 72.3, 72.4, 72.5, 72.6, 72.7, 72.8, 72.9, 73.0, 73.1, 73.2, 73.3, 73.4, 73.5, 73.6, 73.7, 73.8, 73.9, 74.0, 74.1, 74.2, 74.3, 74.4, 74.5, 74.6, 74.7, 74.8, 74.9, 75.0, 75.1, 75.2, 75.3, 75.4, 75.5, 75.6, 75.7, 75.8, 75.9, 76.0, 76.1, 76.2, 76.3, 76.4, 76.5, 76.6, 76.7, 76.8, 76.9, 77.0, 77.1, 77.2, 77.3, 77.4, 77.5, 77.6, 77.7, 77.8, 77.9, 78.0, 78.1, 78.2, 78.3, 78.4, 78.5, 78.6, 78.7, 78.8, 78.9, 79.0, 79.1, 79.2, 79.3, 79.4, 79.5, 79.6, 79.7, 79.8, 79.9, 80.0, 80.1, 80.2, 80.3, 80.4, 80.5, 80.6, 80.7, 80.8, 80.9, 81.0, 81.1, 81.2, 81.3, 81.4, 81.5, 81.6, 81.7, 81.8, 81.9, 82.0, 82.1, 82.2, 82.3, 82.4, 82.5, 82.6, 82.7, 82.8, 82.9, 83.0, 83.1, 83.2, 83.3, 83.4, 83.5, 83.6, 83.7, 83.8, 83.9, 84.0, 84.1, 84.2, 84.3, 84.4, 84.5, 84.6, 84.7, 84.8, 84.9, 85.0, 85.1, 85.2, 85.3, 85.4, 85.5, 85.6, 85.7, 85.8, 85.9, 86.0, 86.1, 86.2, 86.3, 86.4, 86.5, 86.6, 86.7, 86.8, 86.9, 87.0, 87.1, 87.2, 87.3, 87.4, 87.5, 87.6, 87.7, 87.8, 87.9, 88.0, 88.1, 88.2, 88.3, 88.4, 88.5, 88.6, 88.7, 88.8, 88.9, 89.0, 89.1, 89.2, 89.3, 89.4, 89.5, 89.6, 89.7, 89.8, 89.9, 90.0, 90.1, 90.2, 90.3, 90.4, 90.5, 90.6, 90.7, 90.8, 90.9, 91.0, 91.1, 91.2, 91.3, 91.4, 91.5, 91.6, 91.7, 91.8, 91.9, 92.0, 92.1, 92.2, 92.3, 92.4, 92.5, 92.6, 92.7, 92.8, 92.9, 93.0, 93.1, 93.2, 93.3, 93.4, 93.5, 93.6, 93.7, 93.8, 93.9, 94.0, 94.1, 94.2, 94.3, 94.4, 94.5, 94.6, 94.7, 94.8, 94.9, 95.0, 95.1, 95.2, 95.3, 95.4, 95.5, 95.6, 95.7, 95.8, 95.9, 96.0, 96.1, 96.2, 96.3, 96.4, 96.5, 96.6, 96.7, 96.8, 96.9, 97.0, 97.1, 97.2, 97.3, 97.4, 97.5, 97.6, 97.7, 97.8, 97.9, 98.0, 98.1, 98.2, 98.3, 98.4, 98.5, 98.6, 98.7, 98.8, 98.9, 99.0, 99.1, 99.2, 99.3, 99.4, 99.5, 99.6, 99.7, 99.8, 99.9, 100.0, 100.1, 100.2, 100.3, 100.4, 100.5, 100.6, 100.7, 100.8, 100.9, 101.0, 101.1, 101.2, 101.3, 101.4, 101.5, 101.6, 101.7, 101.8, 101.9, 102.0, 102.1, 102.2, 102.3, 102.4, 102.5, 102.6, 102.7, 102.8, 102.9, 103.0, 103.1, 103.2, 103.3, 103.4, 103.5, 103.6, 103.7, 103.8, 103.9, 104.0, 104.1, 104.2, 104.3, 104.4, 104.5, 104.6, 104.7, 104.8, 104.9, 105.0, 105.1, 105.2, 105.3, 105.4, 105.5, 105.6, 105.7, 105.8, 105.9, 106.0, 106.1, 106.2, 106.3, 106.4, 106.5, 106.6, 106.7, 106.8, 106.9, 107.0,



## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The Barometer is now highest over the Bay of Biscay and rather high in a band extending thence across the north of France, the Netherlands, and Denmark to Sweden and readings vary from 30.21 ins. at Biarritz and 30.19 ins. at Karlstad to 29.73 ins. at Bodö, 29.76 ins. at Stornoway and 29.85 ins. at Nice.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

Wind is moderate from SW in the northern parts of Ireland and Scotland, strong at Bodö, and is strong from S at Skudesnes; elsewhere it is very light and variable, and in some places calm. Temperature has fallen a little in the east of England, risen fast over Ireland and Scotland, and varies from 58° at Valencia, 55° at Sicily and 52° at Stornoway to 45° at Newton Reigny, in London and at Loughborough, and to 42° at Dungeress. Over central France and in Germany it is rather low. Weather is cloudy, damp and misty or foggy, in many places both in these Islands and on the Continent. The sea is very little disturbed.

The depression which approached our northwest coasts yesterday has gone away to the northward; some very shallow secondaries lie over England and the North Sea. The maximum temperatures recorded in the past 24 hrs. reached 58° at some of our western stations, 56° at Paris, 63° at Nice. Some rain fell generally in the west and north. Bright Sunshine was very deficient except at Aberdeen and some of our southern stations.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Misty damp weather with very light winds are probable very generally; some very slight drizzle in places.

## FORECASTS \*

For the 24 hours ending at NOON on 29<sup>TH</sup> OCT. 1902

### DISTRICTS.

### FORECASTS.

0	{ SCOTLAND NORTH	Variable W <sup>ly</sup> winds, light, hazy, colder, air rather damp.
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	
3	{ ENGLAND EAST	
4	{ MIDLAND COUNTIES	
5	{ ENGLAND SOUTH	Variable airs, misty or foggy; damp air, cloudy.

### DISTRICTS.

### FORECASTS.

6	{ SCOTLAND WEST	Same as No. 0.
7	{ ENGLAND N.W.	
8	{ ENGLAND S.W.	Variable W <sup>ly</sup> to SW <sup>ly</sup> winds, light; foggy or misty, damp air.
9	{ IRELAND NORTH	
10	{ IRELAND SOUTH	

### WARNINGS

At 7.40 pm. yesterday to District 2.  
"Lower 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. 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	*	c, f	55	40	1.5	-
Newton Reigny (Penrith)	30.04	47	2 0	0	30.01	-0.07	45	45	+ 5	2 0	m	*	c, o, m	54	40	4.0	0.02
Bath ... ..	30.14	52	5 1	0	30.06	-0.07	50	49	+ 6	SE 1	bc	*	-	55	44	4.0	-

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	53	47	o, c, o	0.0	-	Worthing ... ..	*	*	*	5.9	*
Birmingham, 9 p.m. ...	53	44	8	0.4	0.01	Llandudno ... ..	*	*	*	0.1	*
Lowestoft, up to 6 p.m. ...	54	46	8 w	1.8	0.05	Rhyl up to 6 p.m. ...	*	*	*	0.2	*
Hastings ... ..	*	*	*	0.3	*	Southport, 9 p.m. ...	54	44	8 c, o	1.9	-
Eastbourne up to 6 p.m. ...	*	*	*	0.3	*	Manchester, 9 p.m. ...	58	40	m	0.0	-
Brighton ... ..	*	*	*	5.1	*	Darwen, 9 p.m. ...	50	40	o m	0.5	-

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. at 1 p.m. °	WEATHER.	RAIN. (measured at 7 a.m.)
	Max. °	Min. °						
OCT: 27					OCT: 26			
Marseilles ... ..	68	43	b , c	Ins.	Geneva ... ..	Observations not rec <sup>d</sup> .		
Utrecht... ..	55	48	o , m	0.12	Berne ... ..			
Copenhagen... ..	50	45	f , r	-	Lucerne ... ..			
Prague ... ..	43	32	o , o	-	Lausanne ... ..			
Vienna ... ..	52	36	b , f	-	Lugano ... ..			
Buda-Pesth ... ..	50	41	c , o	-	Locarno ... ..			
St. Petersburg ... ..	39	34	b , o	-				
Rome ... ..	65	53	o , o	-				
Malta ... ..	69	59	? , b	-				
Madeira (Funchal) ... ..	73	57	c , 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.

	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 ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.		

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

28 <sup>th</sup> Oct, 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
	h. m.	h. m.	h. m.
Yarmouth ... ..	6.43	11.37	4.31
Greenwich ... ..	6.48	11.44	4.40
Wick ... ..	7.20	11.56	4.32
Valencia ... ..	7.30	12.25	5.20

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.

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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.

† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 29<sup>th</sup> October, 1902

1902

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.	Dirac.	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 ...	29.67	38	SW	6	c	29.65	-10	35	33	0	SSW	2	r	*	-	38	32	*	-			
	Hernösand ...	29.97	34	Z	0	b	29.84	-19	36	33	+4	SW	2	o	*	-	48	32	*	-			
	Stockholm ...	30.27	46	Z	0	o	30.13	+02	44	43	+7	WSW	1	b	*	-	46	32	*	-			
	Wisby ...	30.31	41	Z	0	b	30.26	+11	41	41	-1	Z	0	f	*	-	50	36	*	-			
	Karlstad... ..	30.19	46	SE	2	o	30.09	-10	47	45	+13	S	2	o	*	-	*	*	*	-			
	Færder (X'ania Fjord) ...	30.15	48	SW	4	o	30.10	-04	48	46	+4	WSW	6	c	3	-	48	42	*	-			
	Bodö ...	29.71	44	SW	6	r	29.42	-31	47	46	+3	SW	6	r	4	-	47	42	*	1.30			
	Christiansund ...	29.87	48	SW	2	o	29.64	-34	55	48	+9	S	2	o	4	-	55	45	*	-			
	Skudesnaes ...	30.13	49	S	8	o	30.04	-04	49	48	0	S	8	r	5	0	50	49	*	*			
	Sumburgh Head ...	29.81	49	SW	1	o	29.66	-16	52	50	+4	SW	4	o	4	c,o	52	47	*	0.05			
BRITISH ISLANDS.	Stornoway ...	29.78	53	SSW	4	b	29.69	-07	52	50	0	W	4	o	4	o	54	50	0.6	0.08			
	Malin Head ...	29.92	57	SSW	4	o	29.87	-05	52	52	0	S	3	o	3	o	57	52	*	0.03			
	Blacksod Pt. ...	29.93	58	SW	5	om	29.90	-04	54	53	-2	SW	4	c	3	opm,om	58	53	*	0.09			
	Valencia... ..	30.06	58	S	2	o	29.97	-08	56	55	-2	S	2	rm	4	om,o	60	55	1.7	0.04			
	Roche's Point ...	30.08	58	WNW	2	c	30.02	-03	55	55	-1	SSW	3	ogrm	2	f,c	64	54	*	0.02			
	Parsonstown ...	30.03	59	SW	1	o	29.96	-06	54	52	+2	SE	1	o	*	od	60	50	0.0	0.02			
	Donaghadee ...	30.01	53	SW	2	o	29.93	-05	54	53	+2	SSW	1	b	2	-	57	50	*	0.01			
	Liverpool Obsy. ...	30.08	54	SSE	1	o	30.02	-03	51	50	+3	SSE	2	o	1	gem,c	56	48	*	0.01			
	Holyhead ...	30.07	54	SW	1	om	29.99	-03	55	55	+1	SSW	3	cm	2	bc,om	56	52	*	0.12			
	Pembroke (St. Ann's) ...	30.09	55	Z	0	o	30.04	-01	56	55	+1	SSE	1	ogf	3	af	57	54	2.8	0.10			
GERMANY, &c.	Scilly (St. Mary's)... ..	30.09	57	WNW	3	f	30.04	-02	55	53	0	N	1	o	3	f	59	53	0.0	0.02			
	Jersey (St. Aubins)... ..	30.14	56	SSE	2	ogmdp	30.12	-06	55	51	+2	SE	3	bcm	3	ogp	57	52	0.0	0.04			
	Portland Bill ...	30.11	55	SW	2	r	30.11	-02	55	52	+2	SSE	3	c	2	r,d	55	50	*	0.09			
	Dungeness ...	30.16	52	Z	0	c	30.17	+02	49	47	+7	S	2	bc	1	f,c	53	41	*	-			
	Wick ...	29.82	53	SW	3	c	29.74	-07	54	53	+4	S	2	o	1	-	55	48	*	0.01			
	Nairn ...	29.85	56	WSW	3	c	29.74	-11	56	56	+4	W	1	o	1	-	60	50	*	-			
	Aberdeen ...	29.90	52	SSW	3	bc	29.82	-10	53	52	+6	S	2	om	2	c,bc	54	47	2.7	-			
	Leith ...	29.99	53	NW	2	bc	29.88	-07	58	55	+7	SSW	3	om	*	-	58	49	*	-			
	North Shields ...	30.00	55	SSW	3	m	29.96	-06	52	51	+5	SSW	2	om	2	cm,m	59	47	*	-			
	Spurn Head ...	30.09	53	SSE	3	bc	30.07	-01	50	49	+2	S	4	c	3	-	56	48	*	-			
FRANCE.	Yarmouth ...	30.14	48	SE	3	f	30.13	+03	51	49	+7	SSE	3	c	3	b,f	53	41	*	-			
	Loughborough ...	30.12	51	SE	2	o	30.10	-01	51	50	+6	S	2	omdp	*	omdp	53	45	*	0.02			
	Oxford ...	30.14	51	S	2	o	30.13	00	50	49	+3	SSE	2	ogd	*	ogd	52	46	*	0.06			
	London (Brixton) ...	30.14	51	S	1	o	30.14	+02	43	43	-2	Z	0	f	*	omdfw	56	43	0.0	0.02			
	The Scaw (Skagen) ...	30.24	47	SW	1	m	30.21	+05	44	43	-4	SW	3	m	1	-	50	41	*	-			
	Fanö ...	30.28	39	Z	0	b	30.26	+08	37	36	-7	SE	1	f	*	-	48	37	*	-			
	Cuxhaven ...	30.25	47	E	2	b	30.26	+11	40	40	-2	Z	0	f	*	-	48	39	*	-			
	The Helder ...	30.19	45	SE	1	m	30.19	+06	41	41	-7	S	1	f	1	-	52	41	*	-			
	Brussels... ..	*	*	*	*	*	30.22	+07	40	40	-4	ENE	1	f	*	-	51	38	*	-			
	Berlin ...	30.25	46	NE	1	o	30.29	+17	39	39	-4	Z	0	f	*	-	46	37	*	-			
SPAN. PEN.	Frankfurt ...	30.20	46	NE	2	bc	30.20	+14	40	40	-4	NE	1	b	*	-	48	39	*	-			
	Munich ...	30.13	43	E	4	o	30.12	+05	40	39	-1	E	5	o	*	-	48	34	*	-			
	C. Gris Nez ...	30.19	49	NE	2	o	30.17	+03	41	39	-9	SE	2	b	1	-	57	39	*	-			
	Brest ...	30.13	55	NW	2	f	30.06	-13	55	54	+1	N	1	c	0	-	57	54	*	-			
	Lorient ...	30.15	56	SE	2	o	30.06	-13	55	55	+1	?	4	r	3	-	59	54	*	0.32			
	Rochefort ...	30.15	55	NNW	3	c	30.06	-11	49	48	+1	ESE	3	b	*	bc	63	47	*	-			
	Biarritz ...	30.19	57	NE	3	c	30.08	-13	50	48	-1	SE	1	c	2	-	59	46	*	-			
	Paris ...	30.16	49	N	3	c	30.15	00	34	34	-13	NE	3	b	*	-	57	34	*	-			
	Belfort ...	30.07	43	ENE	2	f	30.06	+03	40	40	-4	ENE	5	f	*	-	49	40	*	0.12			
	Lyons ...	30.10	48	NNW	2	o	30.08	-03	42	41	-4	N	2	o	*	-	54	41	*	-			
SPAN. PEN.	Nice ...	29.86	54	Z	0	bc	29.84	-01	51	46	0	E	1	c	4	-	63	48	*	-			
	Perpignan ...	30.02	55	NW	4	b	29.95	-09	51	45	-4	NW	3	bc	*	-	62	49	*	-			
SPAN. PEN.	Corunna ...	29.97	66	N	4	b	29.92	-16	60	52	+2	NNE	4	b	*	-	73	55	*	-			
	Lisbon ...	30.14	62	NNE	6	r	30.21	+11	60	56	-7	N	5	bc	*	-	72	59	*	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

Wednesday, 29<sup>th</sup> October, 1902.

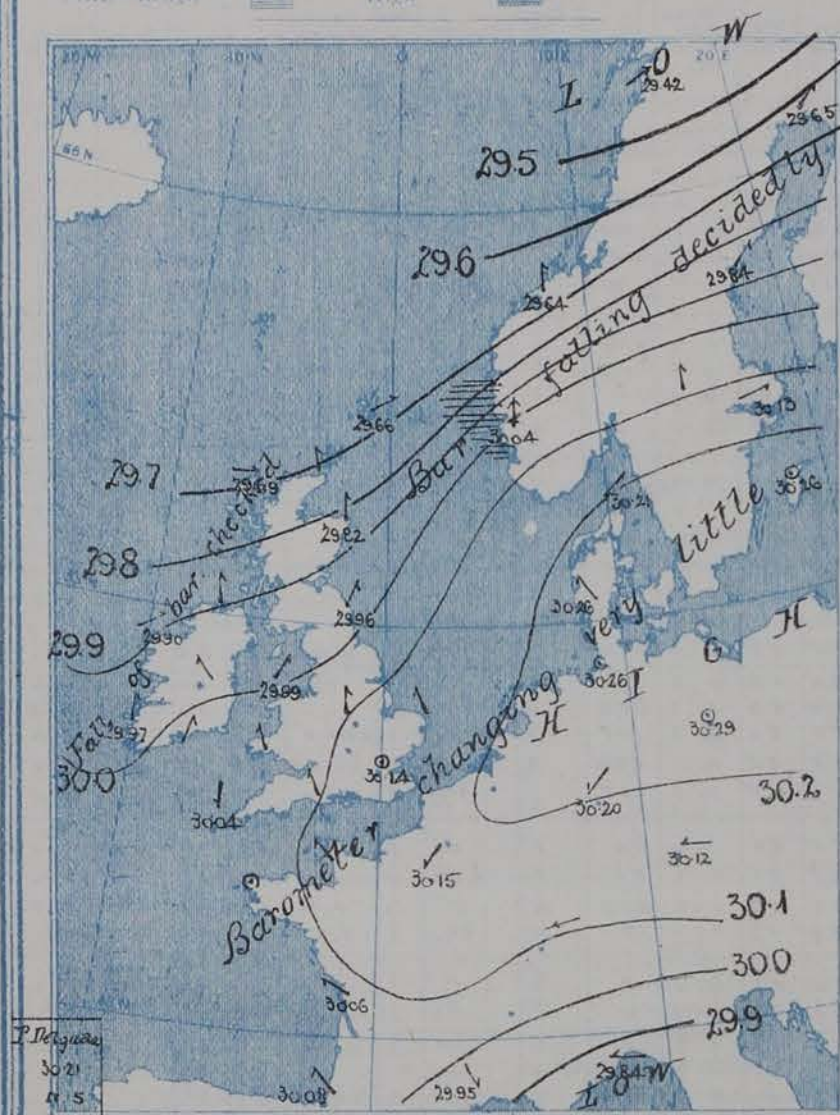
## I. BAROMETER, WIND AND SEA. This Morning.

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

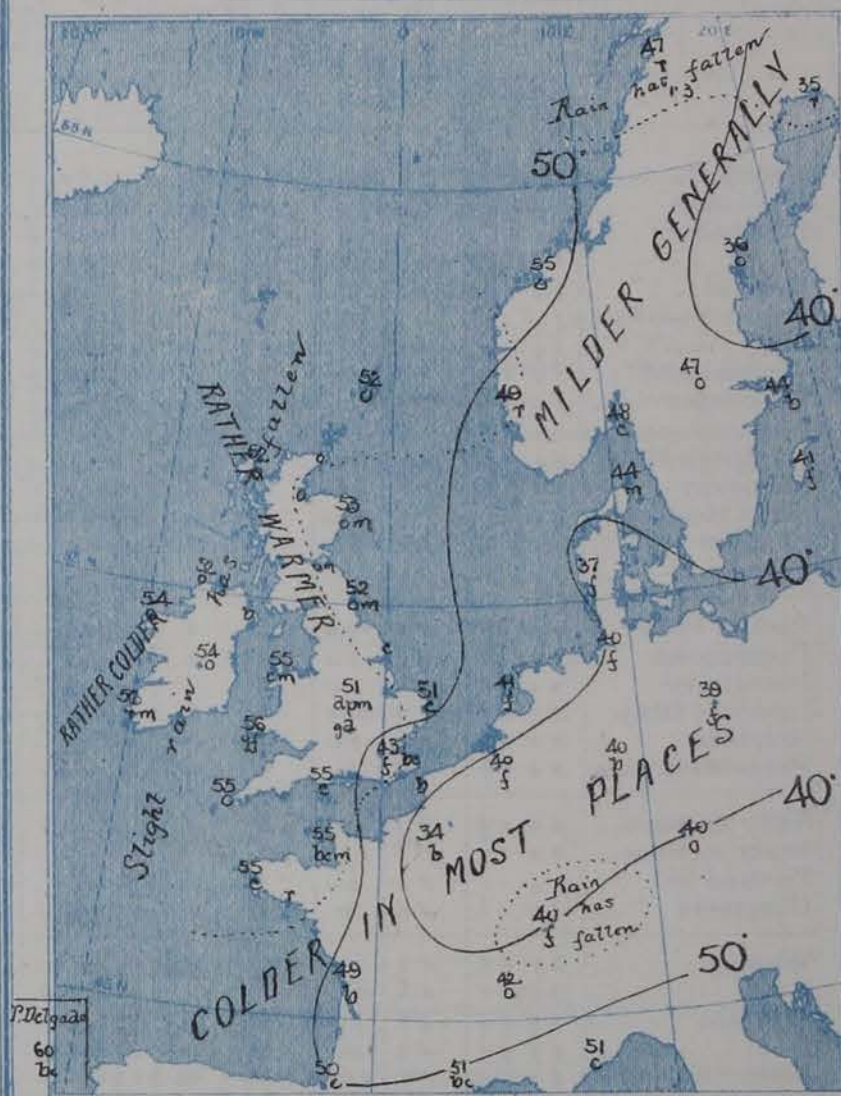


## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

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

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

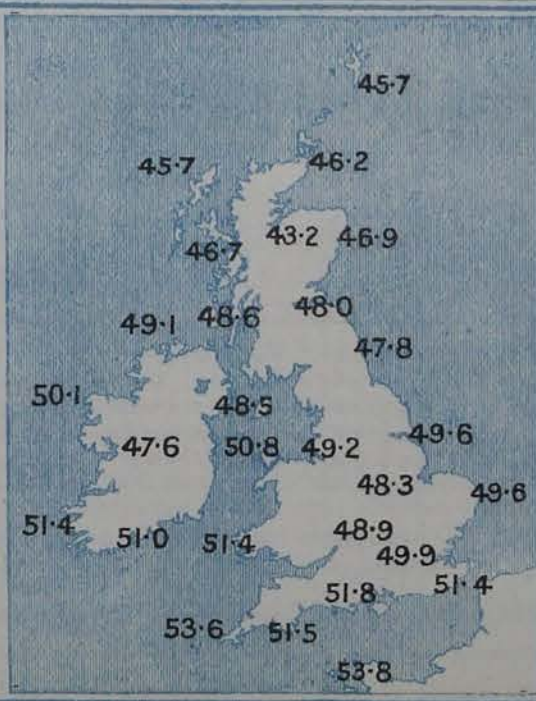


## III. BAROMETER AND WIND

Yesterday morning.



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



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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Barometric pressure has decreased slightly in the west, considerably in the north, and this morning's values are highest over Denmark, the Baltic and North Germany; lowest in the west of Lapland, the extreme north of our Islands and the South of France. The readings range from 30.29 ins. at Berlin and 30.15 ins. at Paris to 29.42 ins. at Bodø, 29.69 ins. at Tromsø, and 29.84 ins. at Nise.

## WIND

## TEMPERATURE

## WEATHER

## AND

## SEA

The wind is SW<sup>2y</sup> in direction, moderate in force at the northern stations, S<sup>2y</sup> in Ireland and England, NE<sup>2y</sup> and E<sup>2y</sup> over the greater part of France and south Germany. In London it is calm. Temperature has again risen in Scotland, fallen fast over central France, and this morning's readings vary from 56° at Nairn and Valencia and 55° at Portland Bill to 34° at Paris, 39° at Berlin, 35° at Haparanda. In the British Islands nearly all the temperatures are much above the average — especially in Scotland.

Weather is at present rainy in the south of Ireland and at Bodø, overcast or very cloudy in most other places, with wet fog in some British localities and over north Germany. It is very changeable generally. Sea is moderate in the west and north, slight or smooth elsewhere.

During yesterday the thermometer rose to 64° at Roches Pt. and to 60° at several other southwestern and western stations. A little rain fell over central and southeast England, in Ireland and Scotland, and a large quantity at Bodø. Bright Sunshine was defective except at Lowestoft.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Changeable weather is still probable, — slight rain and bright or foggy intervals.

## FORECASTS \*

For the 24 hours ending at NOON on 30<sup>th</sup> OCT. 1902

### DISTRICTS.

### FORECASTS.

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

W<sup>2y</sup> and variable winds, light; changeable, a little rain.

S<sup>2y</sup> and SW<sup>2y</sup> winds, light; mild, fair to showery; then NW<sup>2y</sup>, light; colder and clearer.

### DISTRICTS.

### FORECASTS.

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

Same as N<sup>os</sup> 0 and 1.

Same as N<sup>os</sup> 2 to 5.

Wind shifting to NW; colder, fair, after showers.

### 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 ... ..	*	*	*	*	*	*	*	*	*	*	mw	*	m, bc	51	38	0.5	-
Newton Reigny (Penrith)	30.03	52	z o	o	29.95	-0.06	51	50	+ 6	sse 1	c	*	cm	54	41	1.0	-
Bath ... ..	30.06	50	s 1	r	30.06	0.00	52	52	+ 2	s 1	b	*	-	57	50	0.0	0.16

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	54	41	m, o, cm	0.7	0.05	Worthing ... ..	*	*	*	1.2	*
Birmingham, 9 p.m. ...	52	45	o	0.0	0.04	Llandudno ... ..	*	*	*	1.6	*
Lowestoft, up to 6 p.m. ...	55	38	o, m	5.2	-	Rhyl up to 6 p.m. ...	*	*	*	1.0	*
Hastings ... ..	*	*	*	0.5	*	Southport, 9 p.m. ...	56	46	f, o, d, o	0.0	0.11
Eastbourne up to 6 p.m. ...	*	*	*	0.0	*	Manchester, 9 p.m. ...	57	43	o	0.0	0.03
Brighton ... ..	*	*	*	0.2	*	Darwen, 9 p.m. ...	52	43	o, m	0.0	0.03

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. at 1 p.m.	WEATHER. 1 p.m.	RAIN. (measured at 7 a.m.)
	Max.	Min.						
OCT: 28.					OCT: 27.			
Marseilles ... ..	64	36	b, b	Ins.	Geneva ... ..	54	b	-
Utrecht ... ..	54	34	m, f	-	Berne ... ..	46	o	-
Copenhagen ... ..	50	43	m, m	-	Lucerne ... ..	50	b	-
Prague ... ..	46	41	o, f	0.04	Lausanne ... ..	48	c	-
Vienna ... ..	48	37	b, o	-	Lugano ... ..	54	o	-
Buda-Pesth ... ..	52	45	o, o	-	Locarno ... ..	54	bc	-
St. Petersburg ... ..	41	37	o, o	-				
Rome ... ..	64	53	o, o	-				
Malta ... ..	71	53	?, o	0.04				
Madeira (Funchal) ... ..	73	55	b, 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.

	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 ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	5.25 p.m.
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.		

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

29. OCT., 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6.44	11.37	4.30
Greenwich ... ..	6.49	11.44	4.39
Wick ... ..	7.22	11.56	4.30
Valencia ... ..	7.31	12.25	5.19

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.

† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on Thursday, 30<sup>th</sup> October, 1902

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.		Sea (0 to 9.)	Weather.	Temp.		Sun- shine Hours	Rainfall. Ins.	
			At 32° and M.S.L.	Dry Bulb.				Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Max.			Min.				
																		Ins.			Ins.
SCANDINAVIA.	Haparanda ...	29.32	38	NW	4	0	29.32	-33	38	36	+3	SW	2	bc	*	-	39	35	*	0.08	
	Hernösand ...	29.65	46	SW	2	0	29.55	-29	43	40	+7	SW	2	0	*	-	46	30	*	-	
	Stockholm ...	30.03	44	SW	6	0	29.82	-31	44	41	0	SW	4	0	*	-	50	41	*	-	
	Wisby ...	30.20	43	SSW	6	0	29.97	-29	43	40	+2	SW	6	0	*	-	50	36	*	-	
	Karlstad ...	30.00	46	SW	6	0	29.77	-32	45	44	-2	SW	6	7	*	-	*	*	*	-	
	Färder (X'iania Fjord) ...	29.90	48	SSW	6	0	29.72	-38	49	48	+1	S	6	0	3	-	49	48	*	-	
	Bodö ...	29.29	46	SW	6	7	29.18	-24	44	41	-3	SW	6	7	4	-	48	44	*	1.02	
	Christiansund ...	29.55	51	WSW	8	7	29.43	-21	47	44	-8	WSW	7	7	5	-	55	47	*	0.71	
BRITISH ISLANDS.	Skudesnaes ...	29.85	49	S	8	0	29.72	-32	49	49	0	W	4	0	4	T, D	50	49	*	*	
	Sumburgh Head ...	29.63	50	WSW	4	7	29.69	+03	44	41	-8	N	4	c	4	0, r	53	42	*	0.12	
	Stornoway ...	29.70	51	WSW	4	0	29.86	+17	44	44	-8	WNW	3	bc p	3	79, 0	55	43	2.1	0.14	
	Malin Head ...	29.87	53	SW	5	09	30.04	+17	50	48	-2	NW	6	bc p	4	9, 09	55	48	*	0.02	
	Blacksod Pt. ...	29.96	53	WNW	3	0	30.17	+27	50	46	-4	NW	4	bc	3	0	56	48	*	0.01	
	Valencia ...	30.01	54	NNW	1	07m	30.22	+25	51	49	-5	N	2	cp	4	c, om	58	48	0.1	0.08	
	Roche's Point ...	29.98	55	WSW	2	0	30.19	+17	48	47	-7	NW	4	bc	3	0	58	47	*	0.02	
	Parsonstown ...	29.97	51	SW	1	7	30.18	+22	40	39	-14	NE	1	bc	*	or	60	39	0.0	0.09	
GERMANY, &c.	Donaghadee ...	29.90	52	W	1	dp	30.05	+12	46	44	-8	WNW	3	bc	3	-	57	41	*	0.02	
	Liverpool Obsy. ...	29.99	55	WSW	2	0	30.07	+05	50	48	-1	WNW	3	bc	3	-	58	49	*	0.04	
	Holyhead ...	29.95	54	SW	3	omdp	30.09	+10	50	49	-5	NW	3	bc	2	9, om dp	56	49	*	0.10	
	Pembroke (St. Ann's) ...	30.00	55	SW	4	c	30.13	+09	52	50	-4	NNW	3	0	3	cp	57	51	0.3	0.03	
	Scilly (St. Mary's) ...	30.02	56	N	1	m	30.14	+10	55	54	0	N	3	0	5	f, m	58	53	0.0	0.09	
	Jersey (St. Aubins) ...	30.08	54	SE	2	bc	30.13	+01	47	45	-8	NE	1	cm	1	bc, f, w	59	40	9.1	-	
	Portland Bill ...	30.08	51	SSE	1	bc	30.10	-01	55	53	0	WNW	4	cm	2	bc, bc	57	48	*	0.02	
	Dungeness ...	30.09	50	S	1	c	30.07	-10	50	50	+1	WSW	1	0	0	bc, c, f	54	34	*	-	
FRANCE.	Wick ...	29.73	54	W	2	c	29.81	+07	44	44	-10	NW	2	0	1	-	58	42	*	0.08	
	Nairn ...	29.75	52	W	2	bc	29.85	+11	45	43	-11	WSW	2	bc	1	-	59	43	*	0.02	
	Aberdeen ...	29.80	53	SW	2	bc	29.86	+04	46	42	-7	SW	2	bc	1	c, bc	57	43	0.3	-	
	Leith ...	29.86	54	SW	1	0	29.94	+06	46	44	-12	SW	1	bc m	*	-	60	45	*	-	
	North Shields ...	29.89	57	SSW	2	c	29.97	+01	48	46	-4	W	3	bc	2	om, c, r	59	47	*	0.02	
	Spurn Head ...	29.97	52	SSE	3	0	29.94	-13	51	51	+1	W	4	bc	2	-	54	48	*	-	
	Yarmouth ...	30.04	49	S	3	bc	29.99	-14	50	49	-1	WSW	3	bc f	3	bc, bc	52	45	*	-	
	Loughborough ...	30.04	53	SSW	2	0	30.05	-05	50	49	-1	WNW	3	cmw	*	oc, o, bc	56	50	*	-	
SPAN. PEN.	Oxford ...	30.07	50	SSW	1	0	30.07	-06	52	51	+2	SW	2	ad	*	o, d	53	49	*	0.01	
	London (Brixton) ...	30.07	47	S	1	bc f w	30.05	-09	49	48	+6	NW	1	cm d	*	cf, bc, w, o	57	42	2.8	0.02	
	The Scaw (Skagen) ...	30.05	44	SW	4	m	29.83	-38	45	44	+1	SW	5	m	1	-	48	43	*	-	
	Fanö ...	30.12	45	S	2	0	29.96	-30	46	45	+9	SSW	2	0	*	-	46	37	*	-	
	Cuxhaven ...	30.18	41	Z	0	f	30.03	-23	37	37	-3	S	1	f	*	f	43	34	*	0.04	
	The Helder ...	30.12	42	SSW	1	m	30.00	-19	44	44	+3	SSW	1	m	1	-	46	41	*	-	
	Brussels ...	*	*	*	*	*	30.12	-10	39	39	-1	WSW	1	f	*	-	49	47	*	-	
	Berlin ...	30.22	39	d	2	f	30.11	-18	37	36	-2	SE	1	f	*	-	45	36	*	-	
SPAN. PEN.	Frankfurt ...	30.12	45	d	2	bc	30.10	-10	34	34	-6	E	1	bc	*	-	55	34	*	-	
	Munich ...	30.07	40	Z	0	bc	30.08	-04	41	41	+1	Z	0	f	*	-	48	36	*	-	
	C. Gris Nez ...	30.12	46	SE	1	bc	30.09	-08	41	41	0	SE	3	f	2	-	55	39	*	-	
	Brest ...	30.07	57	NNE	1	0	30.12	+06	55	52	0	SE	1	f	3	-	59	46	*	-	
	Lorient ...	30.06	55	S	3	c	30.11	+05	54	53	-1	E	1	bc	1	-	57	52	*	-	
	Rochefort ...	30.04	50	E	2	bc	30.12	+06	41	41	-8	ENE	3	m	*	-	57	40	*	-	
	Biarritz ...	30.05	55	Z	0	bc	30.12	+04	48	46	-2	SE	1	bc	3	bc	57	45	*	-	
	Paris ...	30.12	39	NE	3	bc	30.15	00	35	35	+1	NNW	2	f	*	-	51	34	*	-	
SPAN. PEN.	Belfort ...	30.05	42	ENE	4	m	30.07	+01	41	39	+1	ENE	1	m	*	-	45	39	*	-	
	Lyons ...	30.07	46	NW	1	0	30.15	+07	43	41	+1	NW	1	0	*	-	51	42	*	9	
	Nice ...	29.86	56	ENE	3	c	29.94	+10	55	48	+4	Z	0	c	4	-	57	50	*	0.08	
	Perpignan ...	29.95	55	NW	3	bc	30.01	+06	47	43	-4	NW	1	bc	*	-	61	45	*	-	
SPAN. PEN.	Corunna ...																				
	Lisbon ...	29.88	63	N	3	bc	29.99	+07	56	50	-4	ENE	5	bc	*	-	72	55	*	-	
	Azores (P. Delgada) ...																				

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, 30<sup>th</sup> October, 1902.

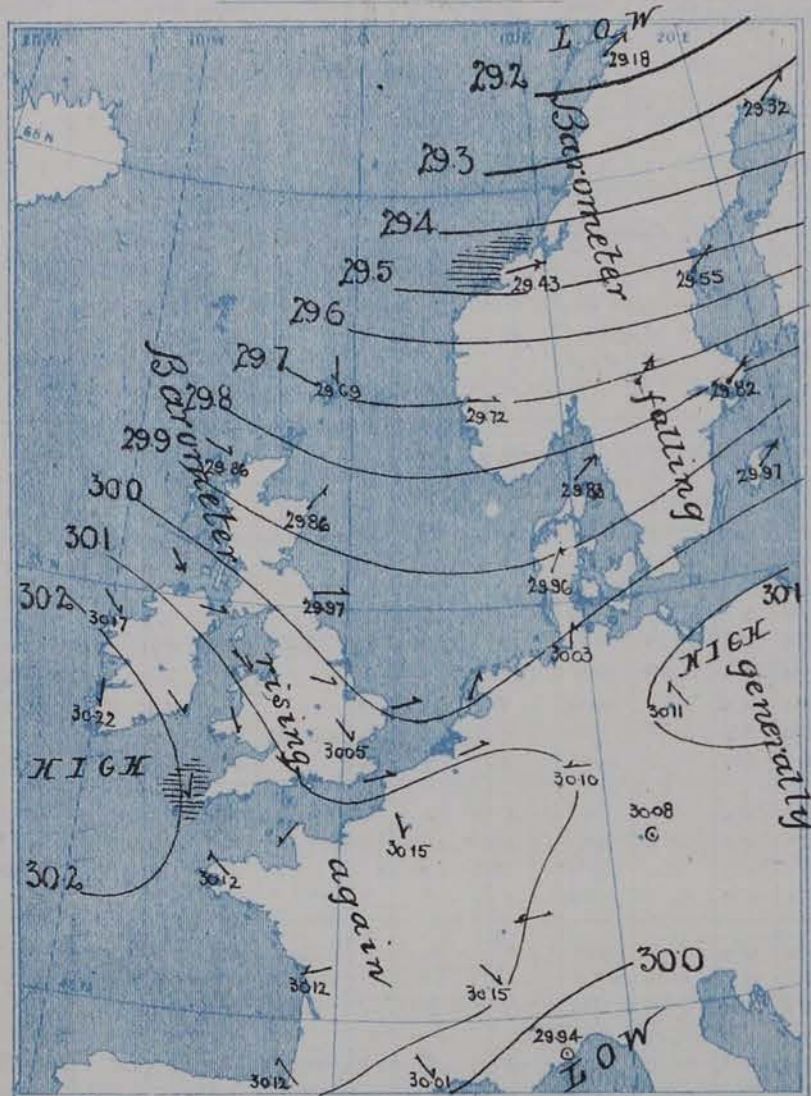
## I. BAROMETER, WIND AND SEA. This Morning.

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. A.)

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 OCTOBER. (1871-1900.)



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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Since yesterday the Barometer has fallen over Scandinavia, the Baltic and North Germany, risen a little at all our northwestern and western stations as well as in the west of France. It now ranges from 30.22 ins. at Valencia, and 30.11 ins. at Berlin to 29.18 ins. at Bodo, and 29.94 ins. at Nice. There is a "V" shaped secondary disturbance over England moving eastwards.

### WIND

The wind is mainly from between W and NW in our Islands, and is of little strength; but is SW<sup>ly</sup> to S<sup>ly</sup> on the eastern shores of the North Sea, and is fresh to strong at several stations. In France it is very light and variable — E<sup>ly</sup> at some of the stations.

### TEMPERATURE

Temperature has fallen over our northern, western and southwestern districts, but the change has not at present extended to the southeast of England. It ranges from 55° at Scilly and Portland Bill to 44° at Wick. The values are a little above the average especially over Central England. Paris is 20° colder than Portland.

### WEATHER

The weather is clearing up over the greater part of our Islands, but is dull and rainy in the southeast. It is rainy in many parts of Scandinavia, very foggy over Germany. A considerable "ground swell" is reported at Scilly, not elsewhere.

### AND

### SEA

The maximum temperatures yesterday were 60° at Parsonstown and Leith. There has been a little more rain measured except at the most eastern stations and Bright Sunshine was abundant at some of our southern coast stations.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the "V" shaped disturbance passes to the eastwards, finer colder weather will prevail generally, with light NW<sup>ly</sup> or N<sup>ly</sup> breezes. Some fog is likely tomorrow morning.

## FORECASTS \*

For the 24 hours ending at NOON on 31<sup>ST</sup> OCT. 1902

### DISTRICTS.

### FORECASTS.

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

W<sup>ly</sup> and NW<sup>ly</sup> winds, light; colder, some local showers; bright intervals.

NW<sup>ly</sup> winds, light; showery to fair, colder.

Wind shifting to NW, light; weather clearing up, colder.

### 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.

NW<sup>ly</sup> or N<sup>ly</sup> winds, light to calm; fair, colder, Hazy or foggy.

### 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. Ins. Change.	Temperature. Dry. Wet. Change.			Wind.	Weather.	Sea.	Weather.	Temperature. Max. Min.	Sun- shine. Hrs.	Rainfall Ins.
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	mw	*	7	52 42	3.6	0.02
Newton Reigny (Penrith) ...	29.91	54	z 0	0	30.01 +.06	46	44	- 5	w 2	7	*	omr, c	56 45	0.0	0.03
Bath ... ..	30.07	54	sw 1	0	30.07 +.01	54	53	+ 2	s 1	0	*	-	59 52	1.5	-

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	56	49	com	0.0	-	Worthing ... ..	*	*	*	4.7	*
Birmingham, 9 p.m. ...	53	50	0	0.0	0.03	Llandudno ... ..	*	*	*	0.7	*
Lowestoft, up to 6 p.m. ...	*	*	*	*	*	Rhyl up to 6 p.m. ...	*	*	*	1.3	*
Hastings ... ..	*	*	*	5.5	*	Southport, 9 p.m. ...	57	47	0	0.0	0.01
Eastbourne up to 6 p.m. ...	*	*	*	7.8	*	Manchester, 9 p.m. ...	59	50	od	0.0	0.04
Brighton ... ..	*	*	*	5.5	*	Darwen, 9 p.m. ...	53	48	om	0.0	0.01

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. at 1 p.m.		WEATHER. ipm	RAIN. (measured at 7 a.m.)
	Max. °	Min. °				°	°		
OCT 29					OCT 28				
Marseilles ... ..	63	43	m, q	Ins.	Geneva ... ..	54		b	-
Utrecht ... ..	52	37	f, f	-	Berne ... ..	48		c	0.08
Copenhagen ... ..		not	received	-	Lucerne ... ..	48		o	-
Prague ... ..	50	39	o, c	-	Lausanne ... ..	50		bc	-
Vienna ... ..	46	43	o, o	0.08	Lugano ... ..	54		b	-
Buda-Pesth ... ..	52	50	o, o	-	Locarno ... ..	55		bc	-
St. Petersburg ... ..	?	?	c, o	-					
Rome ... ..		not	received	-					
Malta ... ..									
Madeira (Funchal) ... ..	68	61	?, c	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 (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.

	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 ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 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 ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.		

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

30. OCT. 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	6.46	11.37	4.28
Greenwich ... ..	6.51	11.44	4.37
Wick ... ..	7.25	11.56	4.27
Valencia ... ..	7.33	12.25	5.17

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

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" 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.

† Except at Oxford, where the observations are taken at 8 p.m.



# DAILY WEATHER REPORT

for 8 a.m. on Friday, 31<sup>st</sup> October, 1902

1902

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.	Ins.	Dry Bulb.	Dirac.		Force (0 to 12.)	Weather.	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.			Force (0 to 12.)	Weather.			Max.	Min.
SCANDINAVIA.		Haparanda ...	29.23	35	SW	2	bc	29.13	-19	32	31	-6	W	2	c	*	-	41	32	*	-	
		Hernösand ...	29.39	42	Z	0	bc	29.45	-10	37	34	-6	W	6	bc	*	-	46	37	*	-	
		Stockholm ...	29.63	45	Z	0	0	29.61	-21	39	39	-5	W	2	bc	*	-	46	39	*	0.08	
		Wisby ...	29.71	42	SW	6	0	29.64	-33	44	43	+1	SW	2	r	*	-	48	37	*	0.04	
		Karlstad... ..	29.58	43	SW	2	bc	29.70	-07	35	33	-10	NW	2	bc	*	bc,r	*	*	*	0.08	
		Färder (X'iania Fjord)	29.61	48	WNW	4	bc	29.72	-00	42	37	-7	WNW	2	bc	3	-	50	42	*	-	
		Bodö ...	29.18	40	SW	6	r	29.39	+21	35	34	-9	N	4	0	2	-	44	34	*	0.51	
		Christiansund ...	29.65	42	WNW	8	r	29.68	+25	36	35	-11	WSW	5	r	5	-	47	36	*	0.28	
		Skudesnaes ...	29.84	44	NW	8	bc	29.88	+16	41	37	-8	NNW	2	0	3	0, bc	50	39	*	*	
		Sumburgh Head ...	29.93	40	NW	4	0	29.54	-15	44	44	0	SW	5	r	5	c, 0	44	38	*	0.20	
		Stornoway ...	30.07	43	W	1	0	29.66	-20	51	50	+7	WSW	5	r	5	0	52	41	3.8	0.25	
		Malin Head ...	30.17	47	NW	5	cp	29.99	-05	51	51	+1	SW	7	orm	5	bc, cp	51	47	*	0.04	
		Blacksod Pt. ...	30.28	50	NW	3	0	30.14	-03	53	52	+3	WSW	6	rm	5	c	53	48	*	-	
		Valencia... ..	30.34	52	N	3	0	30.30	+08	53	50	+2	WSW	3	0	4	c, 0	55	49	3.7	-	
		Roche's Point ...	30.30	53	NW	4	0	30.31	+12	48	46	0	W	3	c	2	c, 0	55	47	*	-	
		Parsonstown ...	30.27	48	NW	1	c	30.23	+05	49	46	+9	WNW	3	0	*	bc	53	39	5.3	-	
		Donaghadee ...	30.18	47	NW	2	bc	30.13	+08	46	44	0	WSW	2	od	2	-	57	41	*	0.02	
		Liverpool Obsy. ...	30.17	48	NW	4	c	30.17	+10	49	45	-1	WNW	4	0	3	bc, c	52	47	*	-	
		Holyhead ...	30.20	51	NW	4	bc	30.21	+12	49	46	-1	W	2	c	2	bc, bc	51	46	*	-	
		Pembroke (St. Ann's)	30.20	50	N	4	0	30.27	+14	51	45	-1	NW	5	cg	4	-	57	40	7.0	-	
		Scilly (St. Mary's)...	30.19	54	N	4	c	30.28	+14	52	49	-3	NNW	4	c	4	0, c	57	48	0.0	-	
		Jersey (St. Aubins)...	30.16	57	NW	2	c	30.29	+16	52	47	+5	NNW	2	c	2	0, c	60	46	1.0	0.01	
		Portland Bill ...	30.15	55	NNW	3	bc	30.28	+18	49	47	-6	NNW	3	bc	2	c, bc	57	42	*	-	
		Dungeness ...	30.09	51	NW	1	m	30.22	+15	40	39	-10	N	2	mw	1	0, m	55	36	*	-	
		Wick ...	30.04	45	S	3	bc	29.61	-20	46	45	+2	S	3	r	3	-	48	34	*	0.10	
		Nairn ...	30.06	44	W	1	bc	29.72	-13	50	48	+5	W	3	c	2	-	51	39	*	0.10	
		Aberdeen ...	30.05	43	WNW	2	c	29.83	-03	43	42	-3	SSW	3	or	2	c	52	39	5.0	0.08	
		Leith ...	30.08	48	W	2	bc	29.94	-00	48	45	+2	SW	4	0	*	-	56	40	*	0.02	
		North Shields ...	30.02	52	W	3	0	30.05	+08	46	44	-2	WSW	2	og	2	c	54	39	*	-	
		Spurn Head ...	30.07	52	WNW	4	bc	30.12	+18	43	42	-8	WSW	4	c	3	-	55	42	*	-	
		Yarmouth ...	30.03	49	NW	2	bc	30.15	+16	40	39	-10	W	3	bcm	2	bc	53	37	*	0.01	
		Loughborough ...	30.15	45	NW	1	bc	30.20	+15	42	41	-8	WSW	2	cmw	*	bc, cm	57	39	*	-	
		Oxford ...	30.20	44	NW	2	bc	30.26	+19	39	38	-13	W	1	bc	*	bc	56	38	*	-	
		London (Brixton) ...	30.11	51	NW	2	orm	30.23	+18	37	37	-12	WSW	2	bcm	*	bc, cm, pmw	56	35	0.1	0.03	
		The Scaw (Skagen) ...	29.69	47	W	3	bc	29.77	-06	44	40	-1	NW	4	bc	1	-	50	43	*	0.04	
		Fanö ...	29.91	47	WNW	4	bc	29.98	+02	43	41	-3	NW	2	bc	*	-	50	43	*	0.12	
		Cuxhaven ...	29.93	44	SW	3	0	30.03	-00	46	44	+9	NW	2	bc	*	-	48	37	*	0.08	
		The Helder ...	29.98	52	NW	2	bc	30.10	+10	49	46	+5	NNE	1	bc	1	-	54	44	*	0.04	
		Brussels... ..	*	*	*	*	*	30.19	+07	40	40	+1	SE	1	c	*	-	46	37	*	0.08	
		Berlin ...	29.99	38	Z	0	f	30.00	-11	42	42	+5	WNW	3	0	*	-	43	36	*	0.04	
		Frankfurt ...	30.08	45	W	2	c	30.10	-00	45	44	+11	SW	2	0	*	-	54	34	*	-	
		Munich ...	30.09	42	SW	3	0	30.13	+05	41	40	0	W	4	0	*	-	45	41	*	0.04	
		C. Gris Nez ...	30.11	54	NW	4	0	30.18	+09	47	45	+6	NNE	4	bc	4	-	57	41	*	0.08	
		Brest ...	30.19	56	NNW	3	f	30.29	+17	47	44	-8	NE	2	c	1	-	61	45	*	-	
		Lorient ...	30.14	55	W	1	0	30.25	+14	50	50	-4	N	4	bc	1	-	59	48	*	-	
		Rochefort ...	30.16	47	N	3	c	30.21	+09	47	46	+6	SW	1	0	*	0, bc	54	41	*	-	
		Biarritz ...	30.17	54	Z	0	bc	30.25	+13	46	45	-2	SSW	2	bc	4	-	59	43	*	-	
		Paris ...	30.15	41	SW	2	f	30.19	+04	43	43	+8	NE	2	f	*	-	43	35	*	0.08	
		Belfort ...	30.11	42	ENE	3	m	30.13	+06	39	38	-2	WSW	3	f	*	-	44	39	*	-	
		Lyons ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
		Nice ...	29.97	55	S	1	bc	29.89	-05	50	46	-5	E	1	bc	1	-	64	48	*	-	
		Perpignan ...	30.04	55	NW	2	bc	30.04	+03	52	45	+5	NW	3	bc	*	-	67	47	*	-	
		Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
		Lisbon ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
		Azores (P. Delgada)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	

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 Chart on next page



## WEATHER CHARTS

Friday, 31<sup>st</sup> October,

1902.

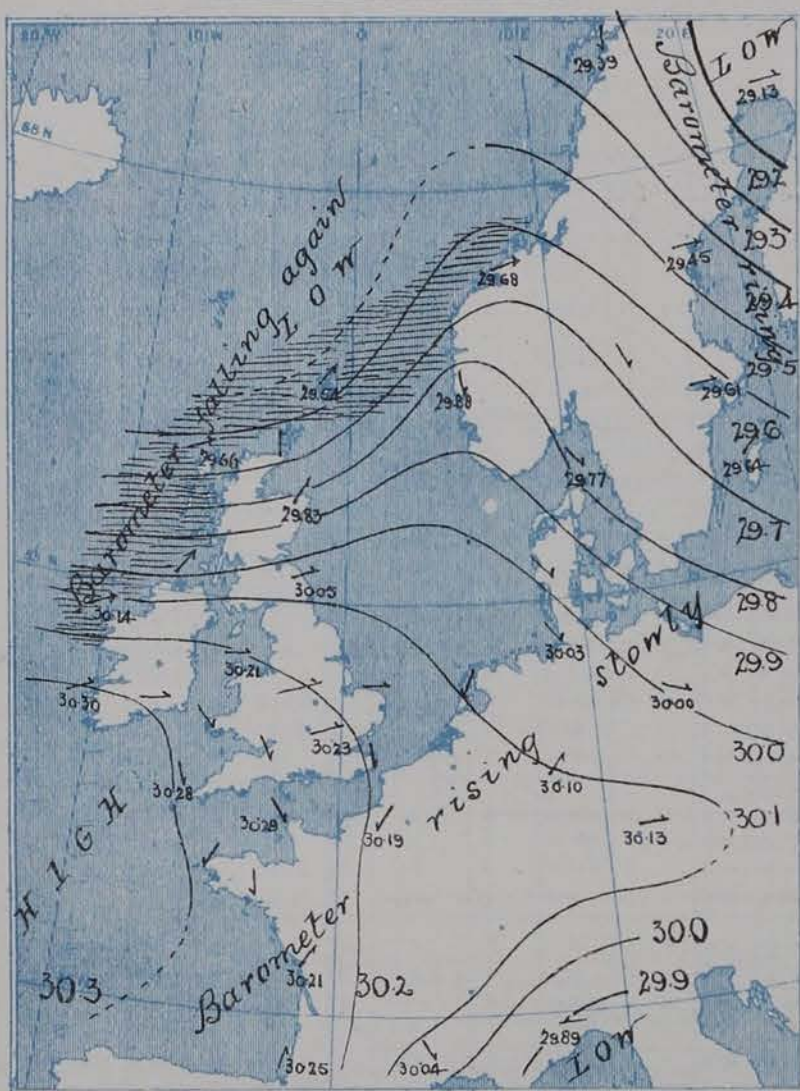
I. BAROMETER, WIND AND SEA. *This Morning.*

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

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

Force above 10  $\Rightarrow \Rightarrow \Rightarrow$  :      Force 5 to 7  $\Rightarrow \Rightarrow \Rightarrow$  :  
 Force 8 to 10  $\Rightarrow \Rightarrow \Rightarrow$  :      Force 1 to 4  $\Rightarrow \Rightarrow \Rightarrow$  :      } Calm ☉

SFA — Rough  High

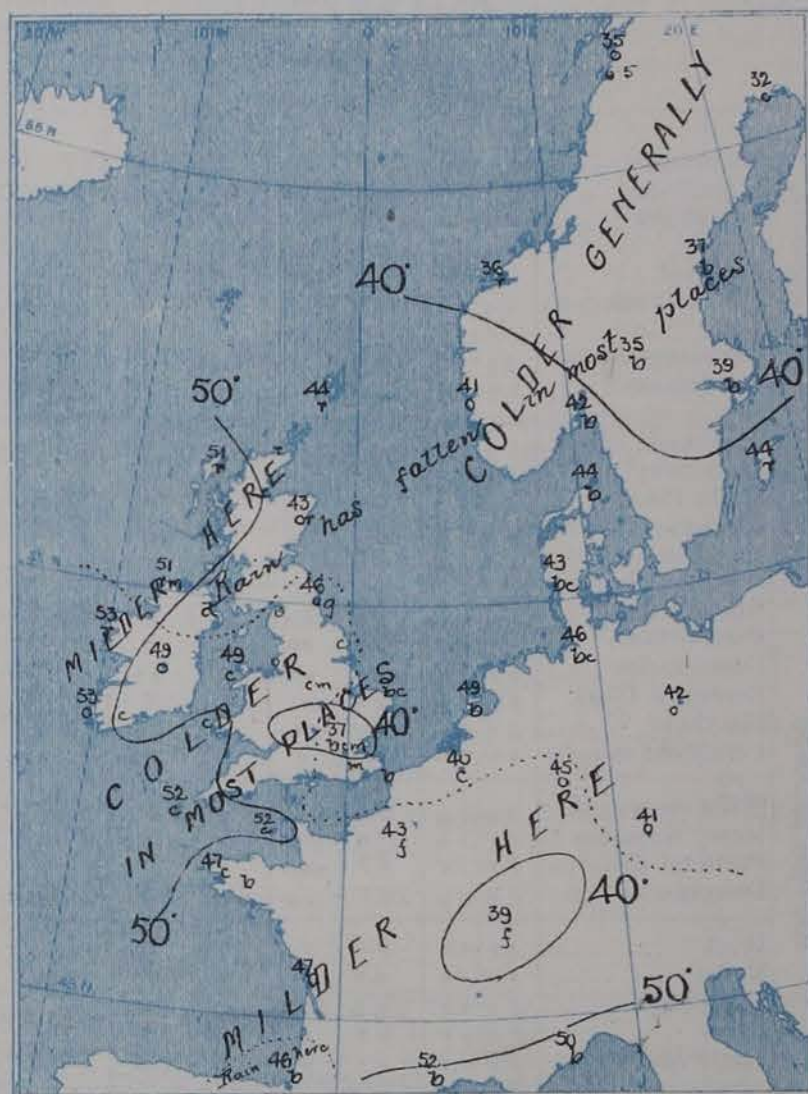


## II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each  $10^{\circ}$ .

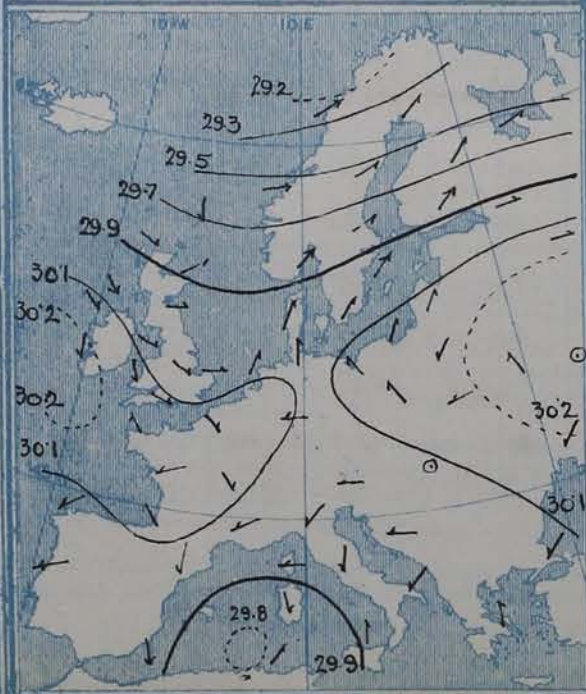
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

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



### III BAROMETER AND WIND

Yesterday morning.



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



V. Means of DAILY TEMPERATURE  
at 8 A.M. for the Two monthly period  
OCTOBER NOVEMBER. (1877-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Barometric pressure is now highest (30.3 ins. to 30.2 ins.) over the Bay of Biscay, the west of France and the southwestern and southern parts of the United Kingdom and lowest (29.13 ins.) at Naparanda; it is, however, as low as 29.54 ins. at Lumburgh H<sup>d</sup>. The gradients are much steeper over the northern stations than they are over the southern half of the British Islands.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

W<sup>2y</sup> and SW<sup>2y</sup> winds of considerable strength, and increasing, prevail in the north and northwest, moderate to light winds from W and NW in the south, while in France the wind is light and variable. Over Scandinavia W<sup>2y</sup> and NW<sup>2y</sup> winds prevail except at Christiansund.

Temperature has fallen fast over England, risen over Ireland and Scotland. Stornoway is now 14° warmer than London and 16° warmer than Bath. The Irish and western Scotch values are much higher than the average, those over the inland parts of our southern counties are greatly in defect.

The weather is becoming very rainy and unsettled over the northern half of the Kingdom but is fair, or hazy, in the south, foggy in France, dull over Germany.

The sea is rather rough, and rising on our north and northwest coasts, but going down at Scilly.

The maximum temperatures yesterday were again high generally (60° at Jersey) but the minima over the eastern and southeastern counties were low. A little rain fell generally to the eastward of the North Sea and in Scotland. Bright sunshine amounted to about 7 hrs. at Pembroke and our northwestern stations.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

W<sup>2y</sup> and NW<sup>2y</sup> winds are probable, strong to a gale in force over the northern half of the Kingdom, with colder weather and rain, moderate in the south with fair, but not settled, weather as a whole, and some increase on night temperatures.

## FORECASTS \*

For the 24 hours ending at NOON on 1<sup>ST</sup> Nov.<sup>R</sup> 1902

### DISTRICTS.

### FORECASTS.

0 <sup>FT</sup>	SCOTLAND NORTH	} W <sup>2y</sup> to NW <sup>2y</sup> winds, strong to a gale; showery, colder.
1 <sup>FT</sup>	SCOTLAND EAST	
2	ENGLAND N.E.	} NW <sup>2y</sup> winds, rather strong; some showers. Unsettled.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	} W <sup>2y</sup> and NW <sup>2y</sup> winds, moderate; hazy, cloudy; less cold.
5	ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6 <sup>FT</sup>	SCOTLAND WEST	} Same as Nos. 0 and 1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	} W <sup>2y</sup> and NW <sup>2y</sup> winds, increasing; fair as a whole.
9 <sup>FT</sup>	IRELAND NORTH	
10	IRELAND SOUTH	} Same as Nos. 0 and 1.
		} W <sup>2y</sup> and NW <sup>2y</sup> winds, freshening; some showers, colder.
		} At 10 am. to districts 0, 1, 6, and 9.
		} "Hoist South Cone".

### WARNINGS

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 (  $\Uparrow$  ), 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, 8	55	37	2.5	-
Newton Reigny (Penrith)	30.11	45	nnw 2	c	30.10	+0.09	46	44	0	W 5W 2	0	*	c, 8, od	53	38	6.3	-	
Bath ... ..	30.16	75.0	w 2	0	30.25	+0.18	35	35	-19	N 1	8c	*	-	57	34	2.3	-	

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, up to 6 p.m. ...	55	45	8c, 8	6.8	-	Worthing ... ..	*	*	*	0.1	*
Birmingham, 9 p.m. ...	54	46	c	2.8	-	Llandudno ... ..	*	*	*	6.4	*
Lowestoft, up to 6 p.m. ...	55	44	3w	1.5	0.01	Rhyl up to 6 p.m. ...	*	*	*	6.8	*
Hastings ... ..	*	*	*	0.0	*	Southport, 9 p.m. ...	55	48	0, 8c	6.8	0.04
Eastbourne up to 6 p.m. ...	*	*	*	0.1	*	Manchester, 9 p.m. ...	58	47	8	2.8	0.04
Brighton ... ..	*	*	*	0.2	*	Darwen, 9 p.m. ...	52	42	8mw	3.4	0.11

## 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. at 1 p.m.	WEATHER. 1 p.m.	RAIN. (measured at 7 a.m.)
	Max. °	Min. °						
OCT 30				Ins.	OCT 29			Ins.
Marseilles ... ..	61	43	r, 0	-	Geneva ... ..	50	8	-
Utrecht ... ..	41	39	m, 0	-	Berne ... ..	43	0	0.12
Copenhagen ... ..	48	41	m, c	-	Lucerne ... ..	45	0	0.08
Prague ... ..	52	36	f, f	-	Lausanne ... ..	52	8	-
Vienna ... ..	52	41	0, 0	-	Lugano ... ..	54	8c	-
Buda-Pesth ... ..	57	48	0, 0	-	Locarno ... ..		Not received	-
St. Petersburg ... ..	43	39	0, 0	-				
Rome ... ..	64	55	c, 0	0.20				
Malta ... ..	71	61	?, c	-				
Madeira (Funchal) ... ..	71	57	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.

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

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	31.OCT., 1902.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium, Holland ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.	Yarmouth ... ..	6.48	11.37	4.26
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich ... ..	6.53	11.44	4.35
France ... ..	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick ... ..	7.28	11.56	4.24
Spain ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia ... ..	7.35	12.25	5.15
Portugal ... ..	8 a.m. (Lisbon)	8.36 a.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.

† Except at Oxford, where 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.			Barometer.		Temperature.			Wind.				Temp.		Sun- shine.	Rainfall.		
At 89° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	At 89° Fabr. and M.S.L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	Max.	Min.	Hours.	Ins.			
Ins.	°				Ins.	Ins.	°	°	°												
1 <sup>st</sup>	Corunna.	29.95	65	NE	3	b	29.89	00	50	48	-18	NE	22	2	-	68	45	-	-		
"	Lisbon.	29.76	66	SW	3	r	29.78	-01	63	60	-2	NW	1	-	-	68	59	-	0.24		
2 <sup>nd</sup>	Corunna.	29.85	60	NNE	1	b	29.86	-03	47	44	-3	NNE	1	2	-	61	43	-	-		
3 <sup>rd</sup>	Corunna.	29.84	63	N	3	b	29.84	-02	52	48	+5	E	1	2	-	63	45	-	0.39		
"	Lisbon.	29.86	62	Z	0	b	30.01	+15	57	55	-5	E	4	-	-	68	57	-	0.24		
"	P. Delgada.	29.99	63	NNW	4	bc	30.01	+02	63	59	0	Z	0	-	-	68	59	-	-		
4 <sup>th</sup>	Corunna.	29.73	61	E	1	bc	29.82	-02	50	48	-2	E	1	3	-	63	45	-	0.04		
"	Lisbon.	29.78	59	SW	4	o	29.86	-15	61	57	+4	NNW	2	-	-	68	57	-	0.04		
"	P. Delgada.	30.07	62	NE	3	b	30.05	+04	65	62	+2	SSW	4	-	-	70	61	-	-		
5 <sup>th</sup>	Corunna.	29.86	61	N	3	b	29.98	+16	55	54	+5	W	3	-	-	63	50	-	0.04		
"	Newton Reigny.	30.16	46	NE	4	o	30.12	-11	47	45	+2	E	1	-	0.7, c	49	44	0.3	0.01		
6 <sup>th</sup>	Corunna.	29.98	63	W	2	b	29.94	-04	55	52	0	W	3	-	-	64	48	-	0.12		
"	P. Delgada.	30.02	68	Z	0	b	30.03	+10	68	66	-1	WNW	4	-	-	73	64	-	-		
7 <sup>th</sup>	Boão.	29.98	45	SW	6	o	29.81	-16	43	41	-2	SW	6	-	-	45	41	-	0.28		
"	Christiansund.	30.10	44	SW	2	o	30.05	-13	42	41	-4	SE	1	-	-	46	41	-	0.08		
"	Skudesnaes.	30.06	46	N	2	b	29.95	-26	39	39	-6	Z	0	-	-	50	37	-	-		
"	Corunna.	29.82	64	SSW	3	bc	29.67	-27	54	52	-1	N	3	-	-	66	48	-	-		
8 <sup>th</sup>	Corunna.	29.55	63	S	3	r	29.63	-04	59	?	+5	SSW	4	-	-	66	54	-	0.24		
"	Lisbon.	29.76	64	WSW	1	o	29.63	-15	61	60	-4	NNB	4	-	-	68	61	-	0.23		
9 <sup>th</sup>	Lorient.	29.67	59	SE	5	o	29.40	-31	58	?	+5	ESE	5	-	-	61	53	-	0.35		
"	Beaufort.	29.90	51	ESE	5	o	29.86	-06	50	?	+12	ENE	6	-	-	56	?	-	-		
"	Corunna.	29.55	62	S	3	r	29.63	00	59	57	0	SSE	4	-	-	66	54	-	0.24		
"	Lisbon.	29.54	57	W	3	o	29.63	00	59	54	-2	S	4	-	-	63	58	-	0.95		
"	P. Delgada.	29.99	61	NNW	4	bc	29.91	-15	62	59	-1	Z	0	-	-	68	59	-	-		
10 <sup>th</sup>	Heldet.	29.73	51	E	2	o	29.53	-42	55	?	+7	SSW	1	-	-	55	46	-	-		
"	Lorient.	29.33	62	SE	5	o	29.47	+07	60	?	+2	SW	6	-	-	66	57	-	0.08		
"	Corunna.	29.50	64	NNW	3	c	29.59	-04	57	55	-2	S	3	-	-	66	52	-	0.24		
"	Lisbon.	29.68	62	SSW	5	bc	29.62	-01	59	57	0	SW	3	-	-	66	58	-	0.24		
"	P. Delgada.	29.93	60	NNE	3	b	29.95	+04	62	59	0	NNW	2	-	-	68	59	-	-		
11 <sup>th</sup>	Corunna.	29.67	67	SW	3	o	29.91	+22	55	53	-2	NE	2	-	-	68	50	-	0.32		
"	Lisbon.	29.81	60	WNW	3	b	29.94	+32	61	57	+2	NNW	3	-	-	68	59	-	-		
"	P. Delgada.	29.99	64	Z	0	m	29.97	+02	65	65	+3	WSW	4	-	-	68	62	-	0.04		
12 <sup>th</sup>	Corunna.	29.98	61	WNW	1	bc	30.26	+35	48	46	-7	WNW	2	-	-	63	43	-	-		
"	Newton Reigny.	29.83	47	Z	0	c	30.12	+45	36	35	-10	E	2	-	0, c, b	51	29	1.8	-		
13 <sup>th</sup>	Corunna.	30.36	60	WNW	3	b	30.34	+08	48	46	0	NW	3	-	-	63	46	-	-		
14 <sup>th</sup>	Biarritz.	30.33	61	NE	1	b	30.21	-22	55	?	0	SSW	1	-	-	66	48	-	-		
16 <sup>th</sup>	P. Delgada.	30.16	66	SE	4	c	30.14	-07	67	64	+5	SE	4	-	-	72	62	-	-		
17 <sup>th</sup>	Brussels.	-	-	-	-	-	29.69	+11	43	-	-9	SW	5	-	-	56	40	-	0.08		
"	Corunna.	30.21	62	WNW	3	bc	30.26	?	52	50	?	NW	1	-	-	63	48	-	-		
18 <sup>th</sup>	Corunna.	30.25	62	NW	3	b	30.18	-08	61	58	+9	W	3	-	-	63	52	-	-		
"	Lisbon.	30.23	58	ENE	2	b	30.26	+02	60	57	+2	N	4	-	-	68	55	-	-		
19 <sup>th</sup>	Newton Reigny.	29.84	44	ENE	2	m	29.91	+24	44	43	+2	S	1	-	cm	54	34	5.2	-		
20 <sup>th</sup>	Corunna.	30.17	66	W	4	o	30.17	+03	64	64	+1	WSW	3	-	-	66	59	-	0.04		
"	P. Delgada.	30.21	67	WSW	1	b	30.19	-04	67	66	0	Z	0	-	-	73	66	-	-		
21 <sup>st</sup>	Corunna.	30.17	70	SW	3	b	30.21	+04	62	59	-2	SW	1	-	-	72	55	-	-		
22 <sup>nd</sup>	Corunna.	30.29	55	N	3	r	30.45	+24	54	51	-8	N	1	-	-	62	48	-	0.16		
"	P. Delgada.	30.34	64	NE	3	bc	30.28	-01	66	63	+2	ESE	5	-	-	70	63	-	-		
23 <sup>rd</sup>	Corunna.	30.44	61	N	3	b	30.53	+08	54	51	0	NNE	1	-	-	63	48	-	-		
"	Lisbon.	30.27	65	NNE	5	b	30.35	+10	57	50	-2	?	5	-	-	73	55	-	-		
"	P. Delgada.	30.23	66	ESE	5	bc	30.17	-11	67	64	+1	ESE	5	-	-	72	64	-	0.04		
24 <sup>th</sup>	Corunna.	30.48	66	NE	3	b	30.41	-12	58	54	+4	NE	2	-	-	68	52	-	-		
"	P. Delgada.	30.17	67	ESE	4	b	30.19	+02	67	65	0	ESE	4	-	-	72	66	-	-		
26 <sup>th</sup>	Corunna.	30.29	63	NE	3	b	30.30	-04	46	-	-4	NE	1	-	-	64	41	-	-		
"	Lisbon.	30.24	57	N	2	b	30.23	-03	55	-	0	NNE	3	-	-	68	50	-	-		
"	Newton Reigny.	30.26	52	SSW	2	o	29.82	-54	49	47	+2	SW	4	-	omt	53	47	0.0	0.14		
27 <sup>th</sup>	Corunna.	30.25	59	NE	3	b	30.23	-07	46	44	0	NE	2	-	-	61	41	-	-		
"	Lisbon.	30.14	59	NNW	4	b	30.12	-11	56	53	+1	N	2	-	-	68	54	-	-		
"	Delgada.	30.24	67	SSE	4	b	30.21	-03	66	60	-1	S	4	-	-	72	64	-	-		
28 <sup>th</sup>	Brest.	30.19	54	NNW	1	o	30.15	-08	55	?	+5	SW	3	-	-	58	50	-	-		
"	Corunna.	30.17	60	NE	3	bc	30.19	-04	46	45	0	N	2	-	-	61	41	-	-		
"	Lisbon.	30.10	62	NNW	4	b	30.08	-04	58	50	+2	NNE	4	-	-	72	52	-	-		
"	P. Delgada.	30.17	68	SSE	4	o	30.10	-11	67	62	+1	S	4	-	-	72	66	-	-		



# REPORTS FOR OCTOBER. 1902.

1. CONT  $\frac{D}{\vdots}$

DATE.	STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.			BAROMETER.		TEMPERATURE.			WIND.					TEMP.				
				At 32° and M.S.L.	Dry Bulb.		Direc.	Force (0 to 12).	Weather.	At 32° Fabr. and M.S.L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.				Change since Yesterday.	Direc.			Force (0 to 12).
		Ins.	°				Ins.	Ins.	°	°	°									Hours	Ins.
29 <sup>th</sup>	Corunna.	30.10	63	N	3	3	?	?	50	48	+4	NE	1	bc	2	-	64	46	-	-	
30 <sup>th</sup>	Corunna.	29.90	66	NE	3	3	30.02	?	50	48	0	NE	1	f	5	-	68	46	-	-	
"	P. Delgada.	30.16	59	NE	4	3	30.08	-13	60	59	0	ENE	5	0	3	-	64	55	-	0.12	
31 <sup>st</sup>	Lyons.	30.17	45	ENE	1	0	30.19	+0.4	43	-	0	NW	2	0	-	-	48	42	-	-	
"	Corunna.	30.66	64	NE	1	3	30.18	+16	50	48	0	NE	1	f	6	-	64	46	-	-	
"	Lisbon.	30.07	63	W	3	3	30.12	+13	55	49	-1	NNE	4	3	-	-	70	54	-	-	
"	P. Delgada.	30.01	63	E	6	+	29.95	-13	64	61	+4	ENE	5	3	4	-	64	59	-	-	

## 2. CORRECTIONS

[illegible]